D: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

PFK4

	51	FUNCTION4 PFK	430.9728	39.34	0.000						6.3
	51	FUNCTION4 PFK	430.9728	38.60	0.000						2.0

PFK5

ETHERS1

	53	FUNCTION1 HXCD...	375.8364	28.20	0.000	0.000					4.3
	53	FUNCTION1 HXCD...	375.8364	21.12	0.000	0.000					4.2

ETHERS2

	54	FUNCTION1 HPCD...	409.7974	24.21	0.000	0.000					2.3
	54	FUNCTION1 HPCD...	409.7974	23.22	0.000	0.000					5.6

ETHERS3

	55	FUNCTION2 HPCD...	409.7974	32.12	0.000	0.000					2.7
	55	FUNCTION2 HPCD...	409.7974	31.58	0.000	0.000					3.6
	55	FUNCTION2 HPCD...	409.7974	30.97	0.000	0.000					4.0
	55	FUNCTION2 HPCD...	409.7974	29.28	0.000	0.000					1.4

ETHERS4

ETHERS5

	57	FUNCTION4 NCDPE	479.7165	41.25	0.000	0.000					3.1
	57	FUNCTION4 NCDPE	479.7165	41.13	0.000	0.000					3.4
	57	FUNCTION4 NCDPE	479.7165	39.11	0.000	0.000					9.9
	57	FUNCTION4 NCDPE	479.7165	41.33	0.000	0.000					7.8

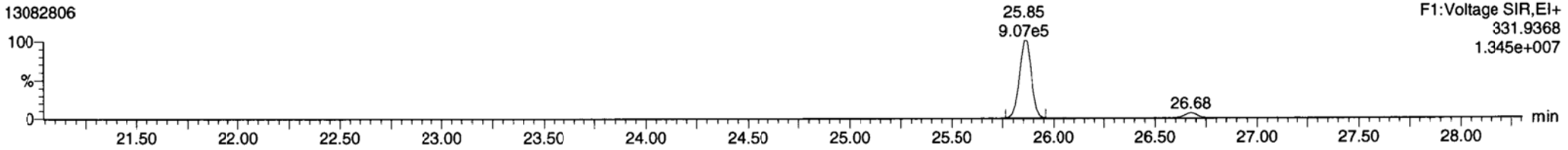
ETHERS6

Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

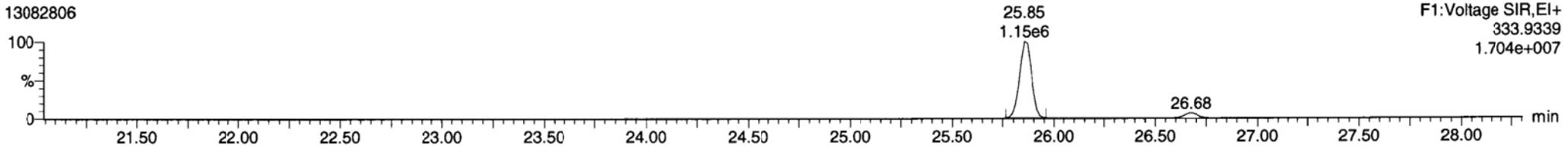
Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

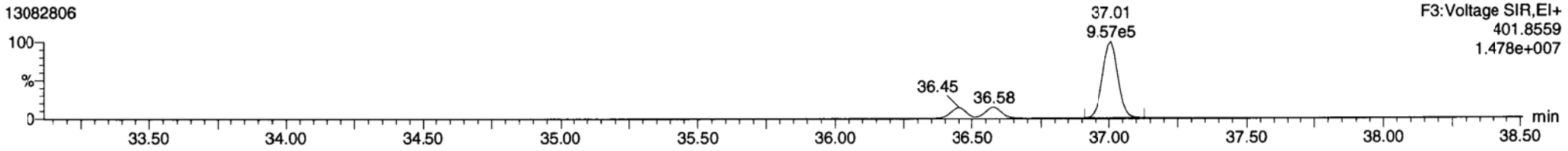
13C-1234-TCDD



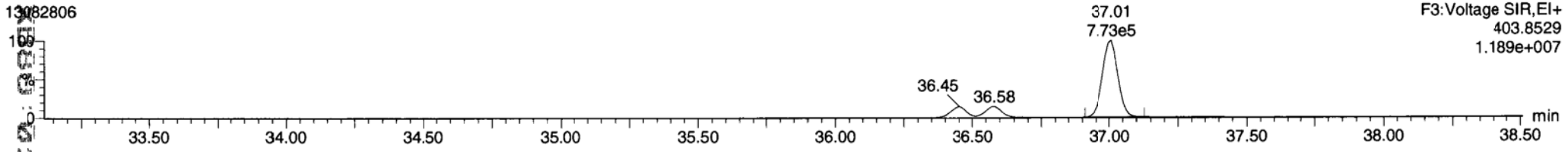
13C-1234-TCDD



13C-123789-HxCDD



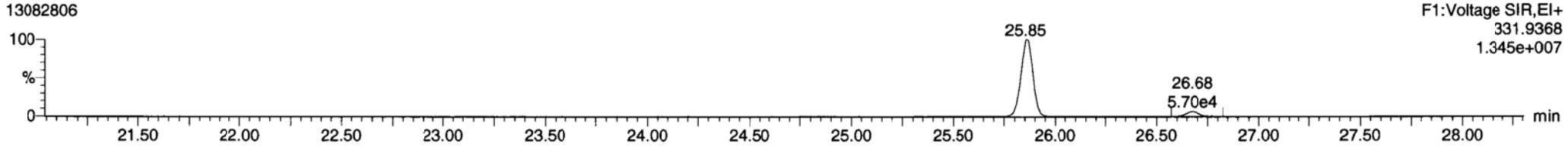
13C-123789-HxCDD



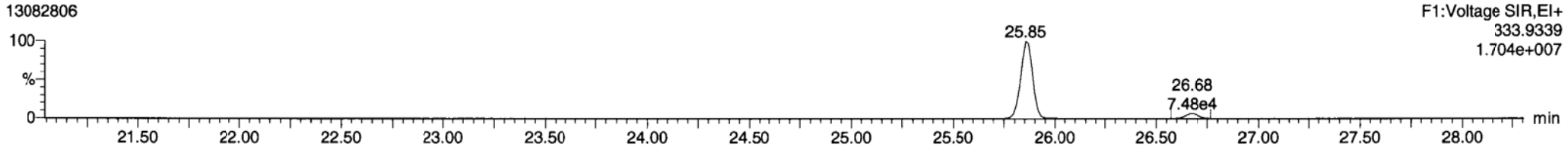
Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

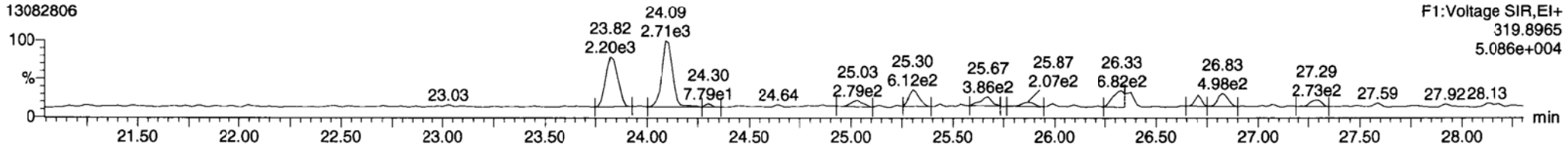
13C-2378-TCDD



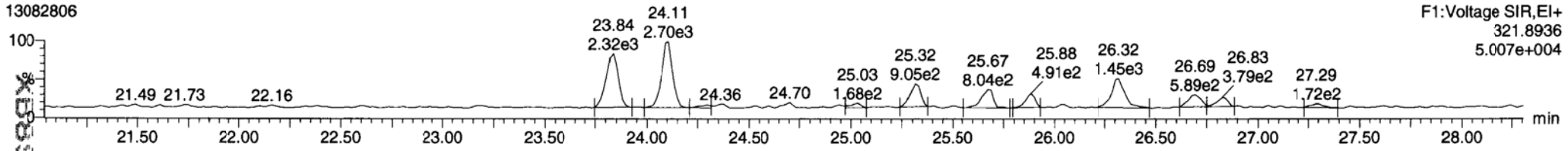
13C-2378-TCDD



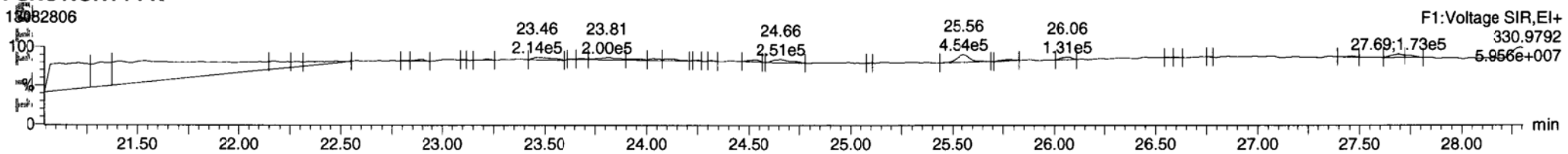
Total-tetradioxins



Total-tetradioxins



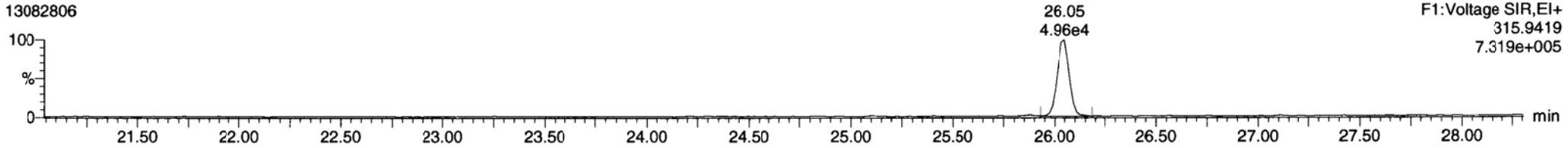
FUNCTION1 PFK



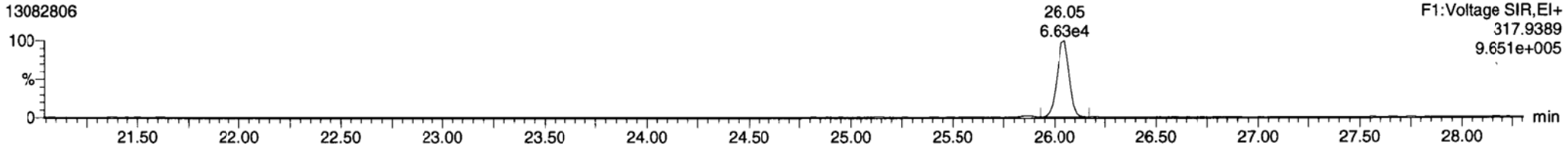
Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

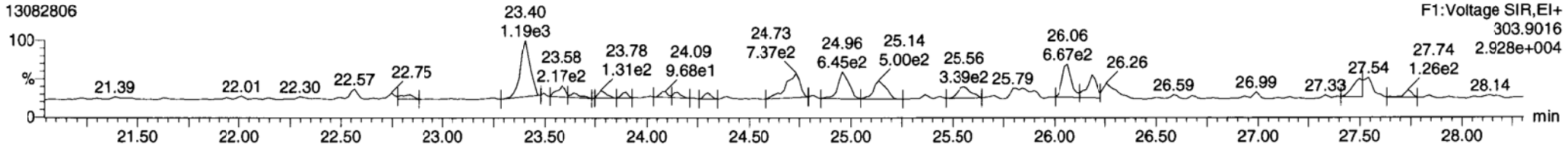
13C-2378-TCDF



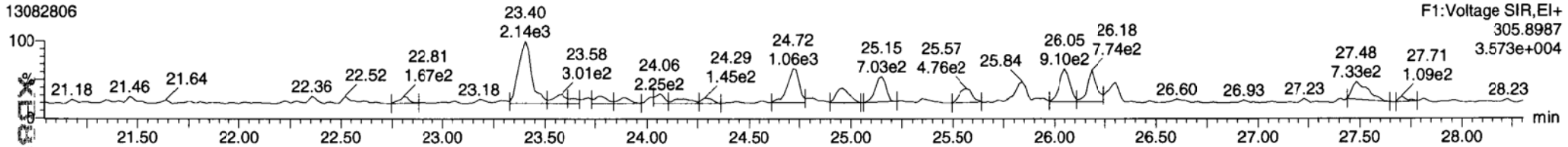
13C-2378-TCDF



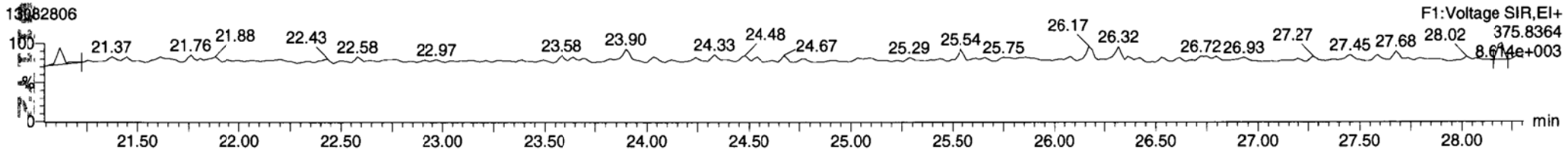
Total-tetrafurans



Total-tetrafurans



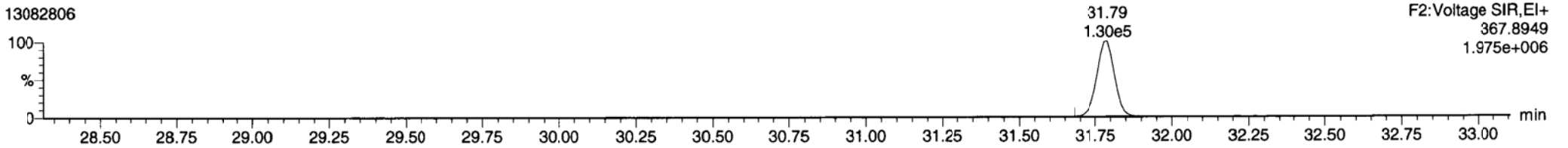
FUNCTION1 HXCDPE



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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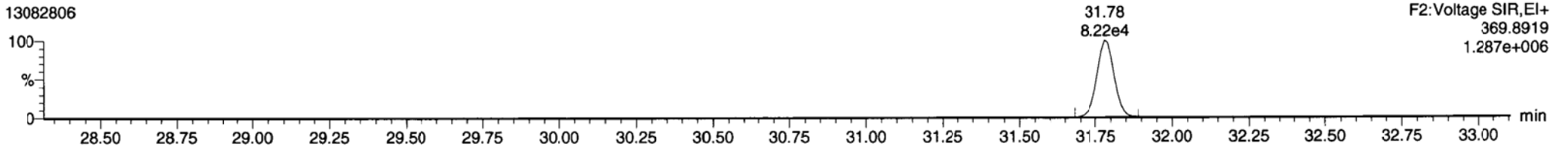
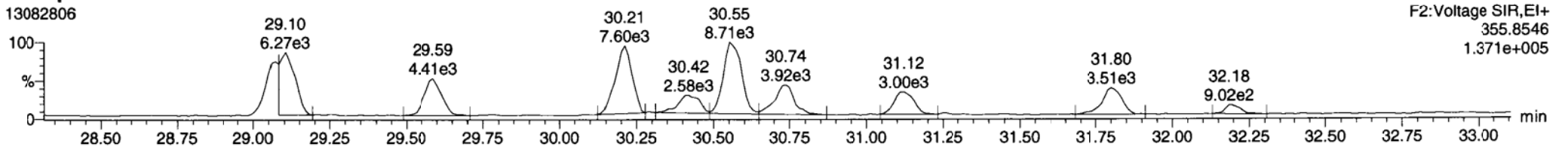
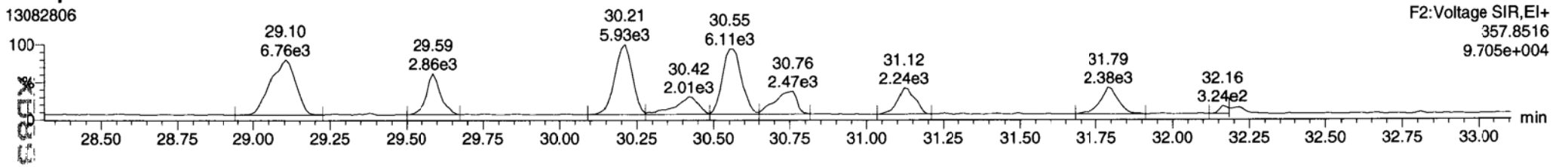


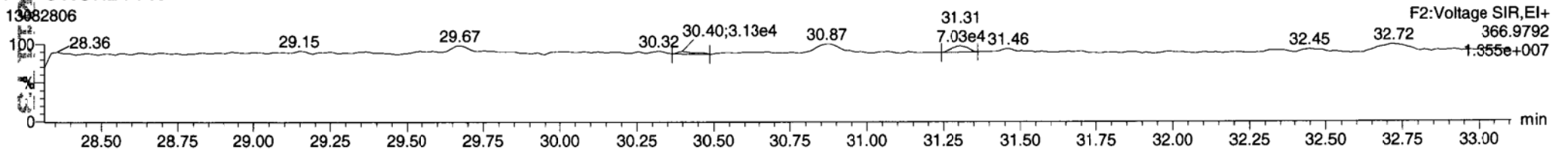
Total-pentadioxins



Total-pentadioxins



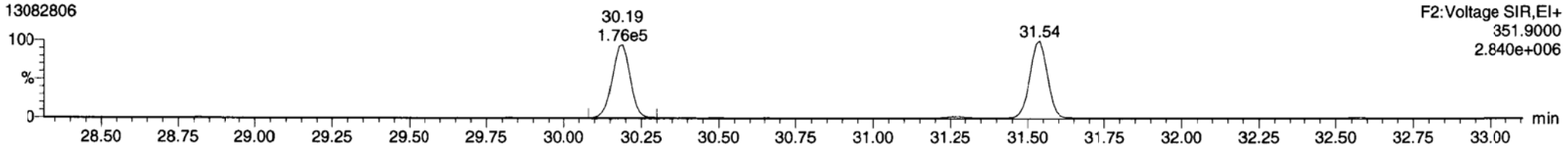
FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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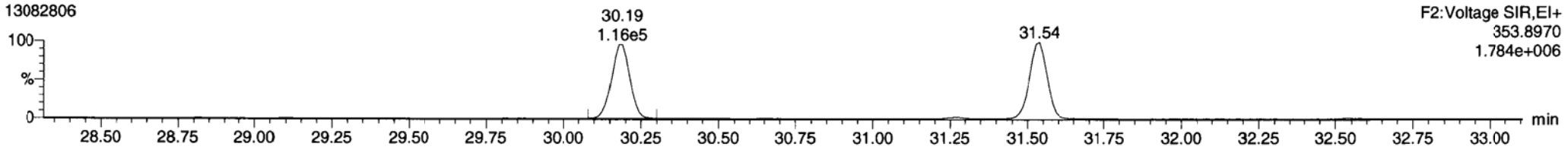
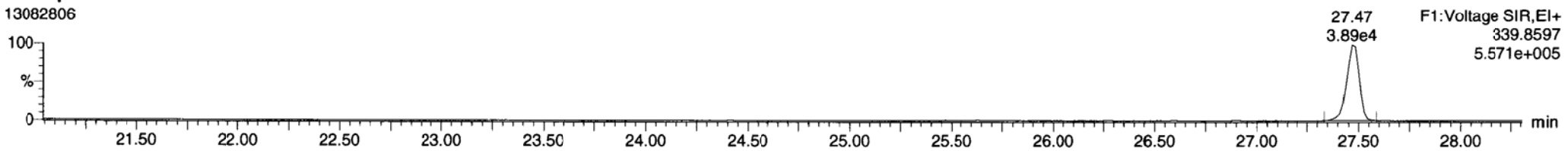
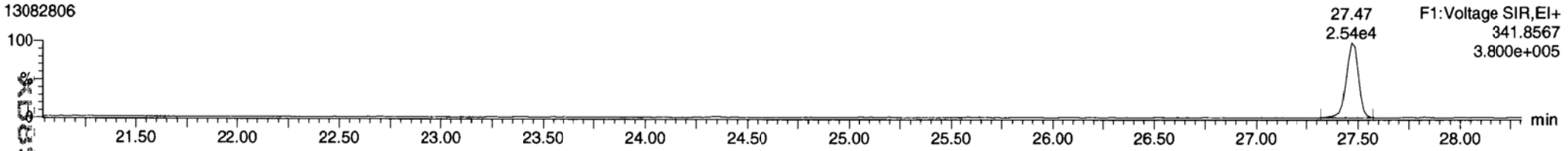


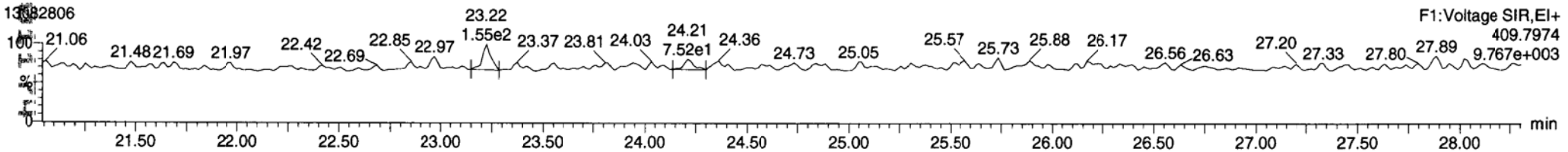
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
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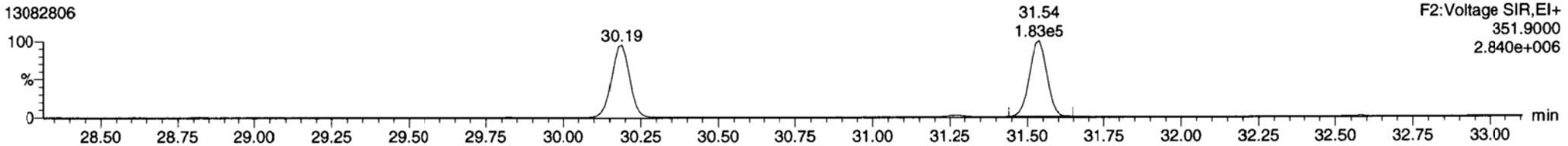
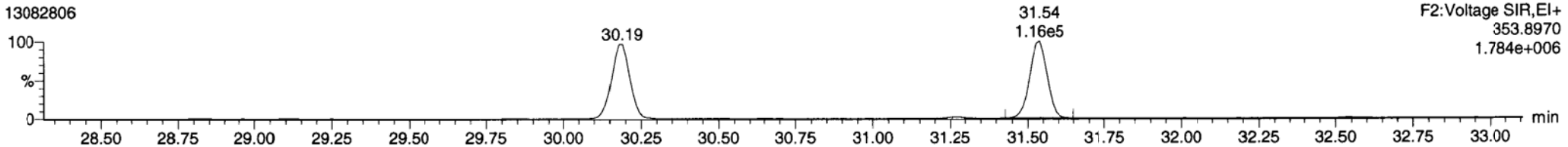
ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

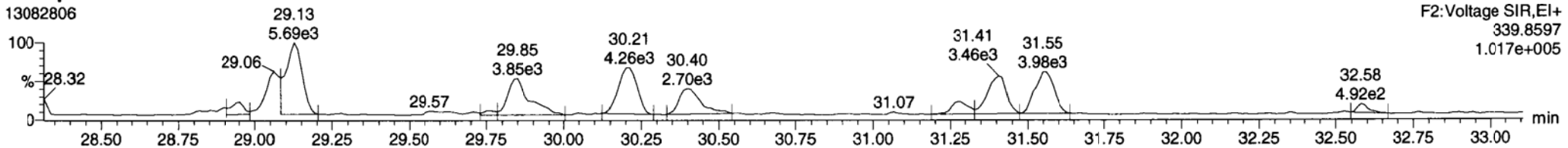
13C-23478-PeCDF



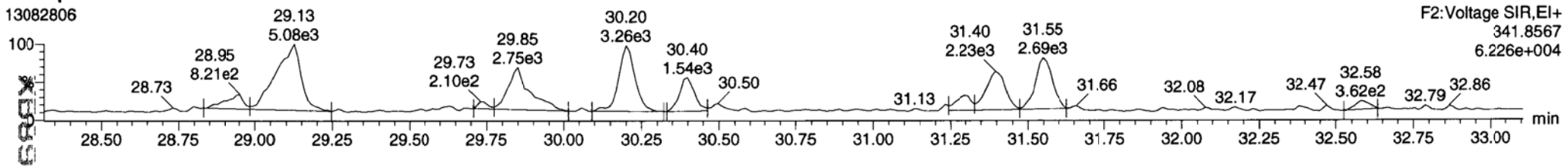
13C-23478-PeCDF



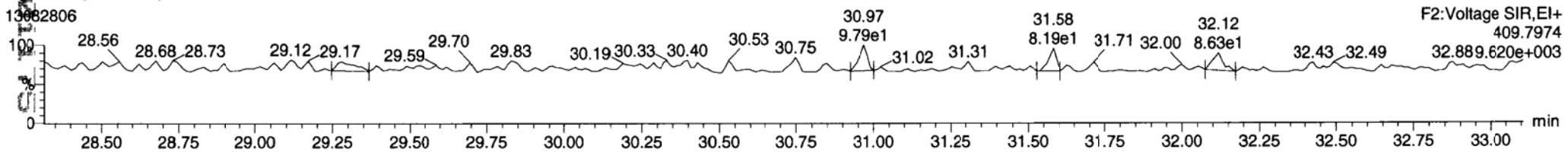
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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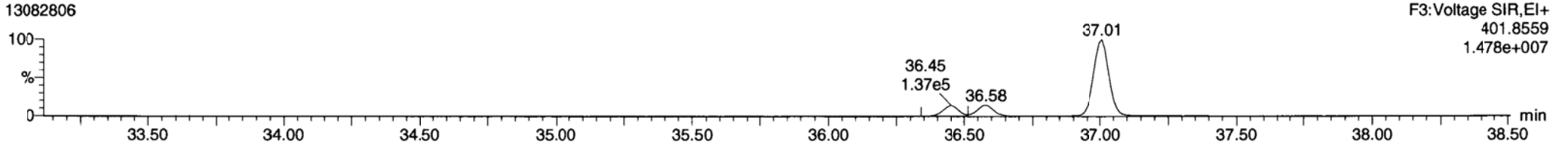
ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

13C-123478-HxCDD



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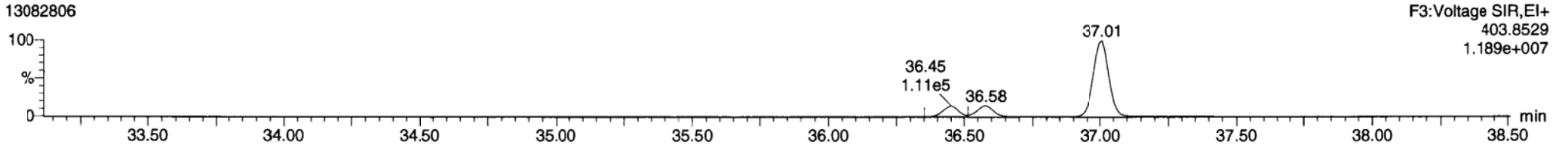
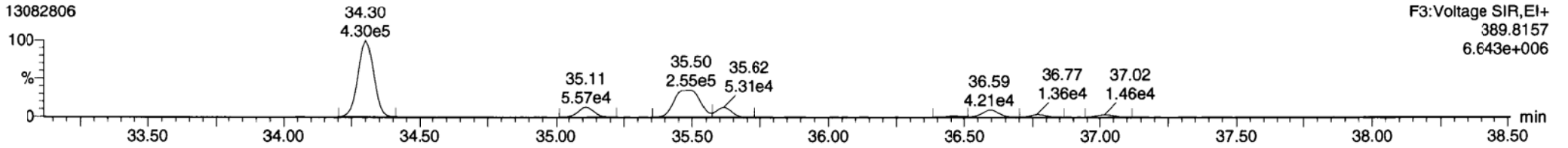
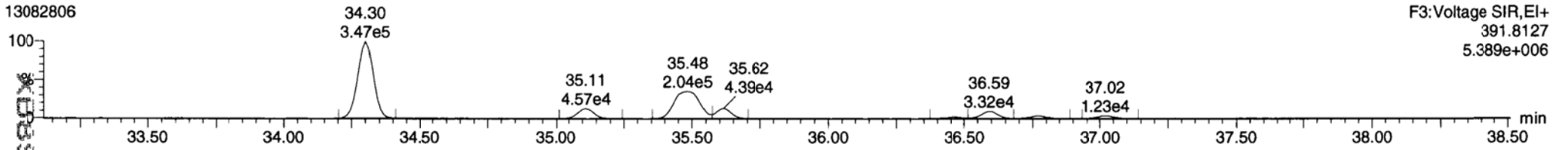


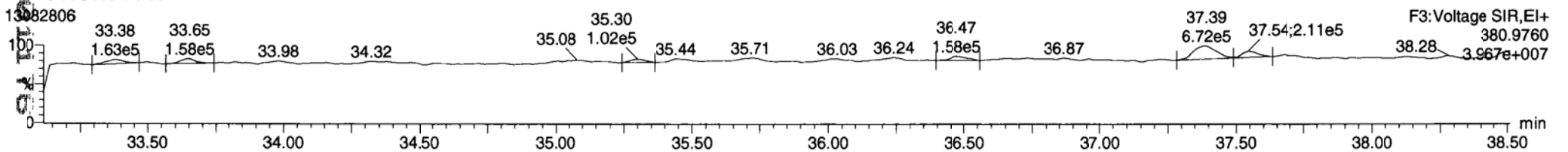
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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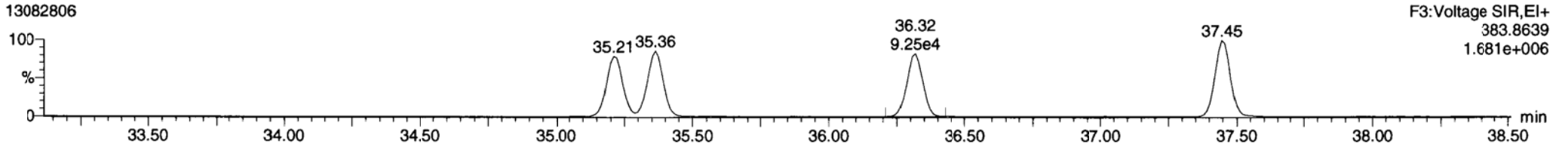
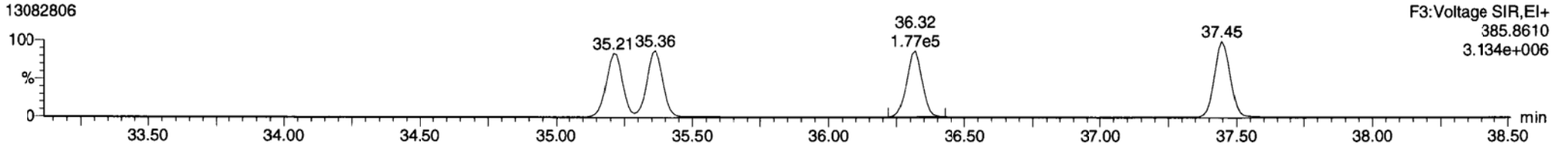
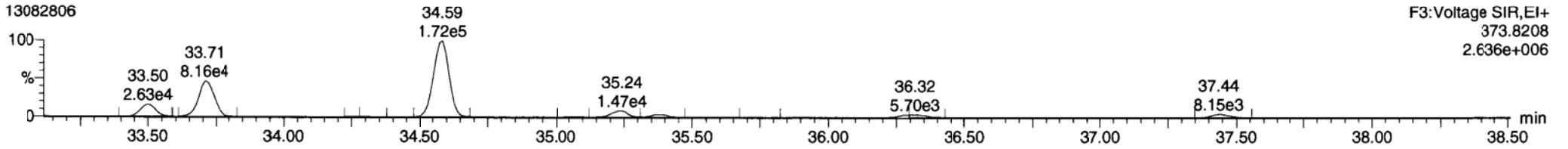
13C-234678-HxCDF



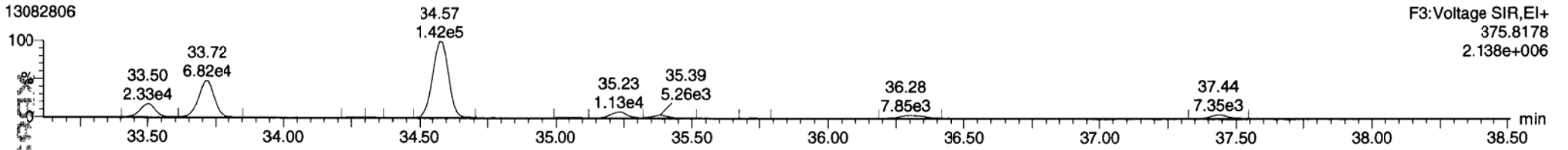
13C-234678-HxCDF



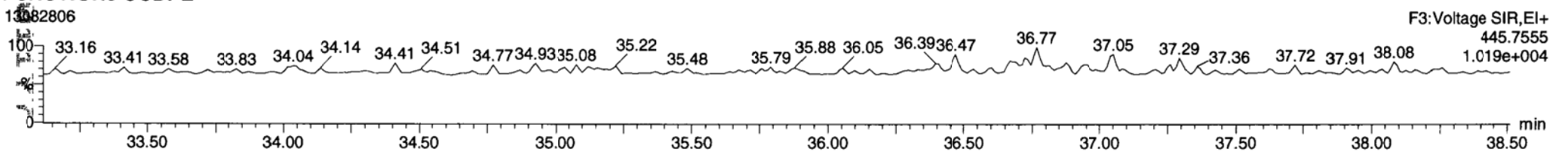
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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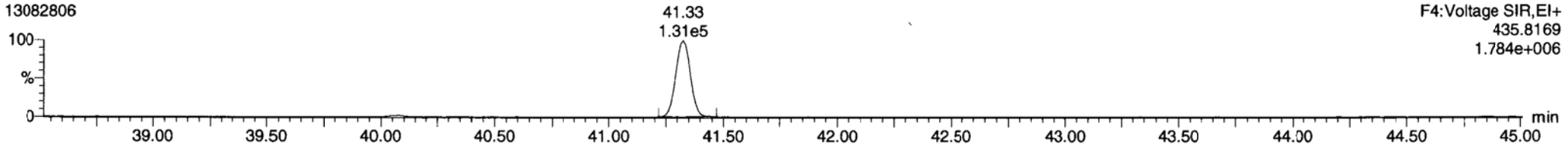
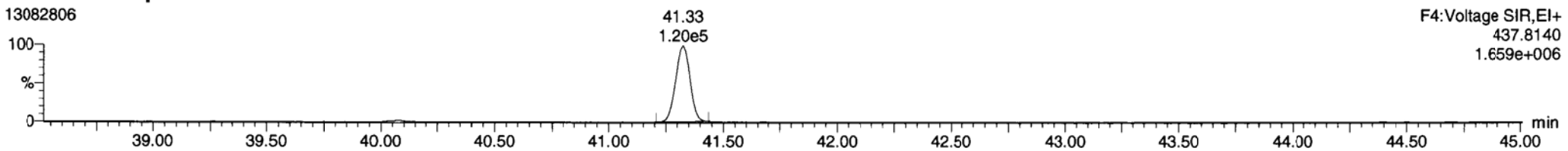
ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

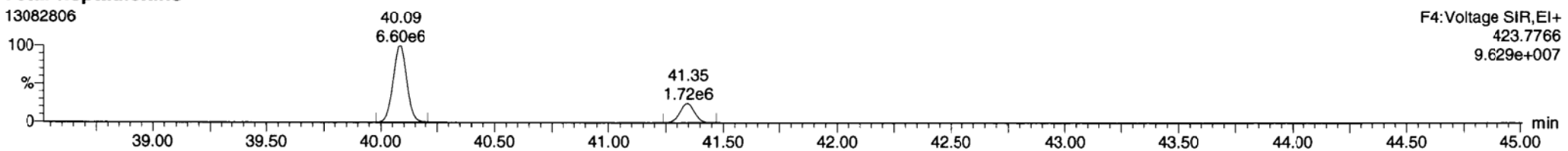
13C-1234678-HpCDD



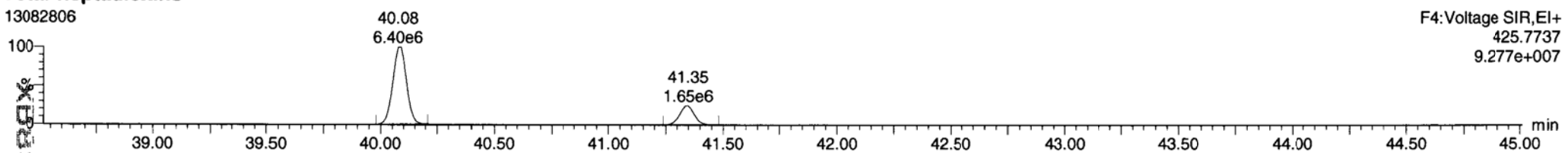
13C-1234678-HpCDD



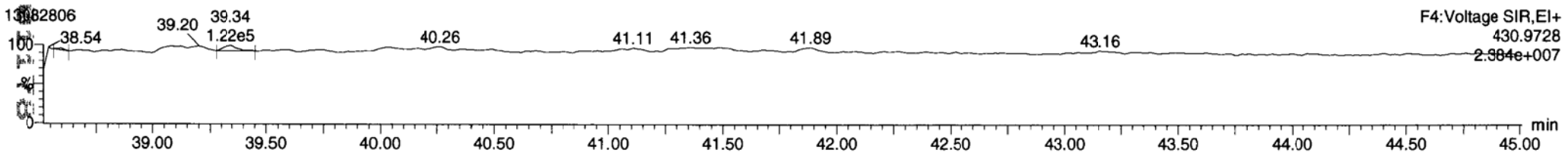
Total-heptadioxins



Total-heptadioxins

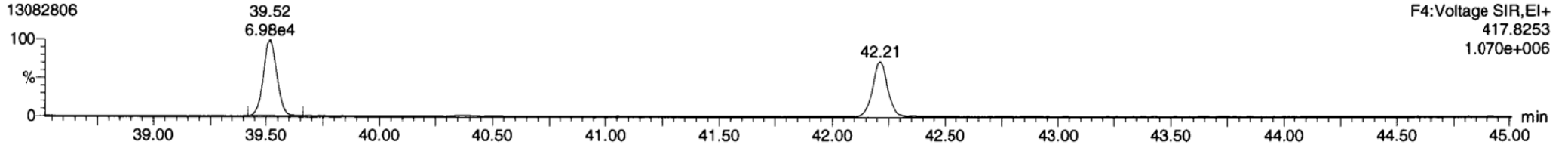


FUNCTION4 PFK

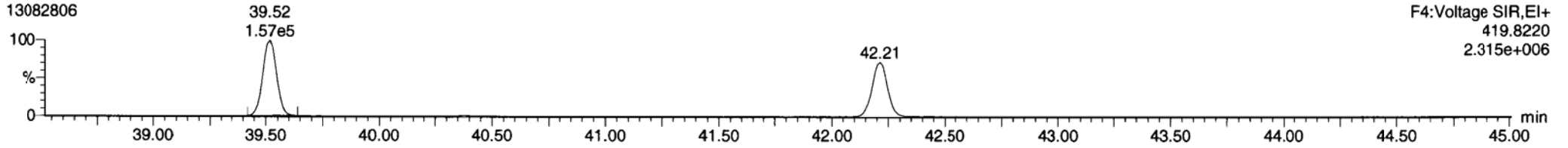


ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

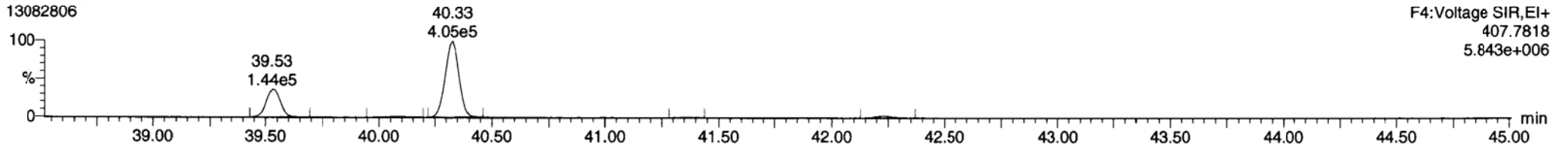
13C-1234678-HpCDF



13C-1234678-HpCDF



Total-heptafurans



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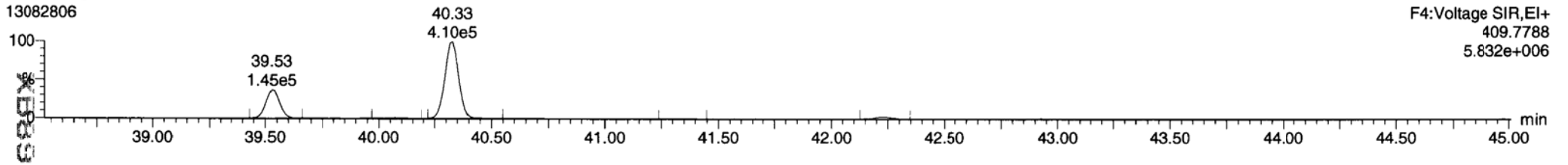
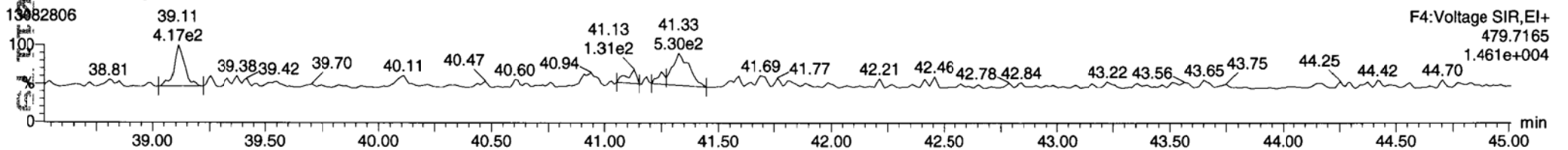


FUNCTION4 NCDPE



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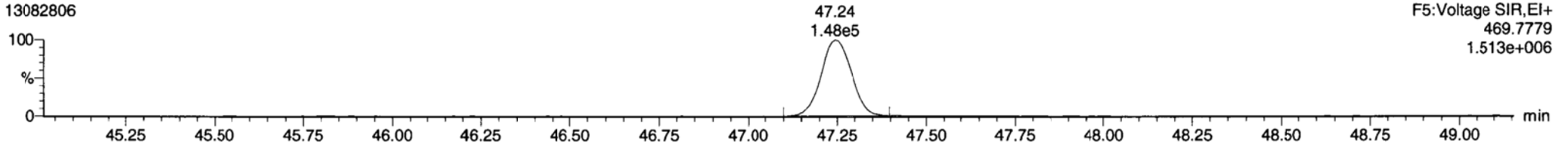
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

13C-OCDD



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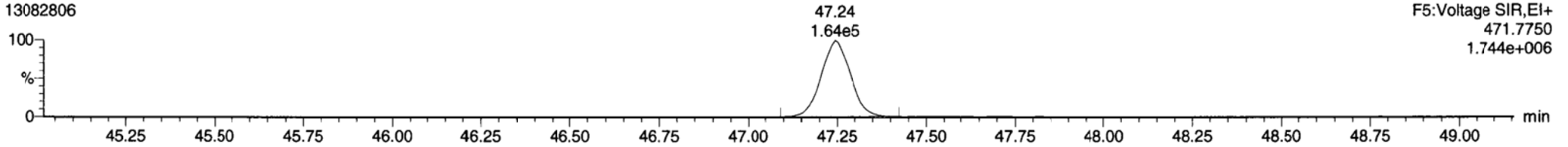

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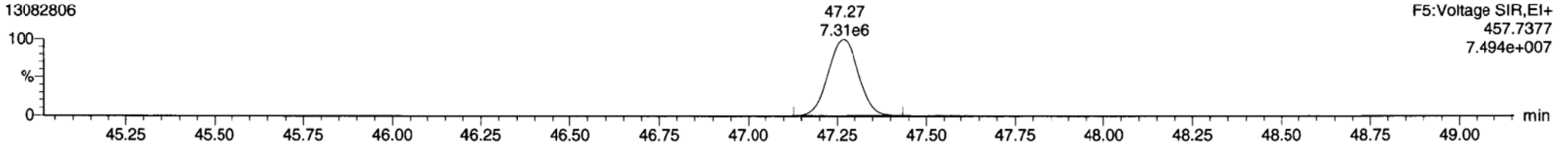

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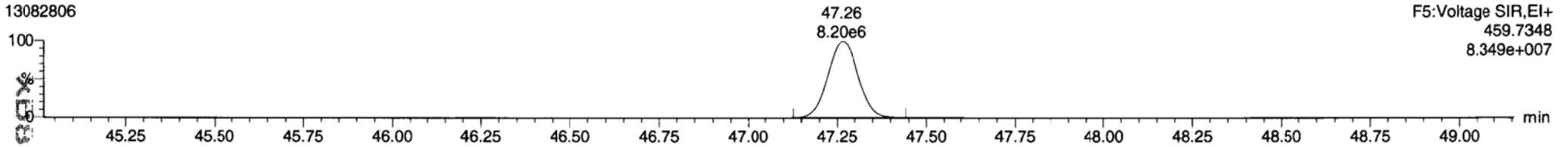
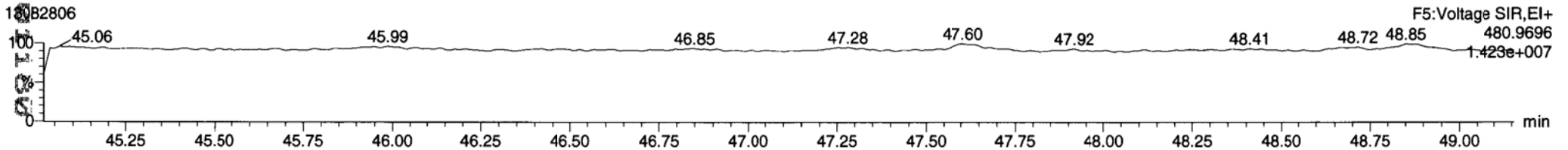


FUNCTION5 PFK



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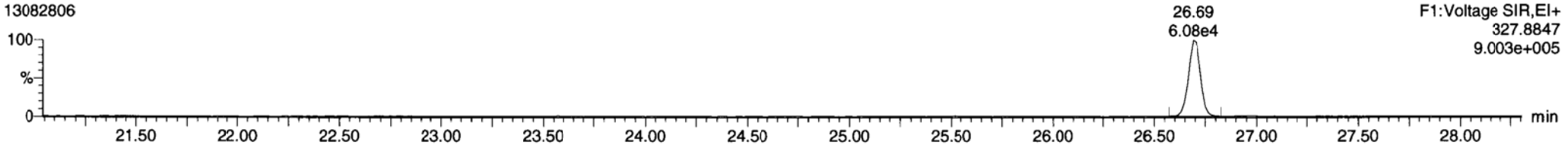
37CL-2378-TCDD



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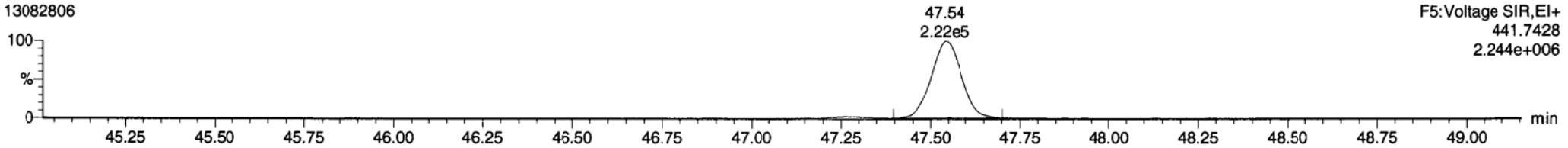

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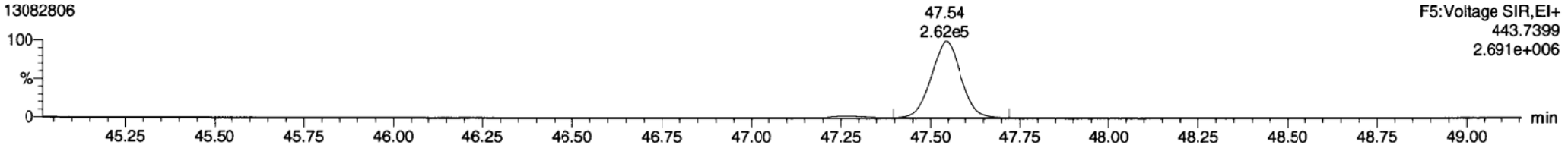
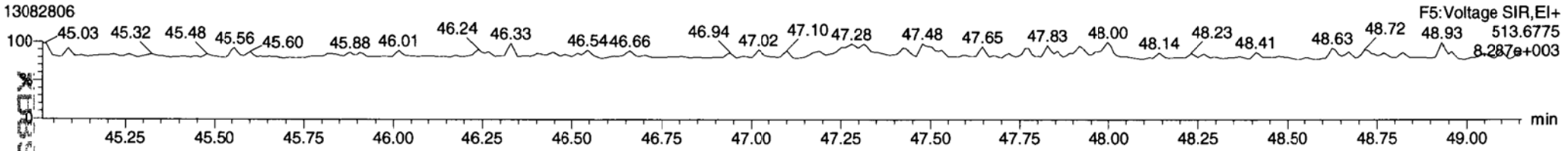


FUNCTION5 DCDPE



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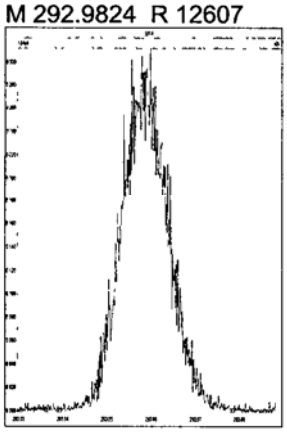
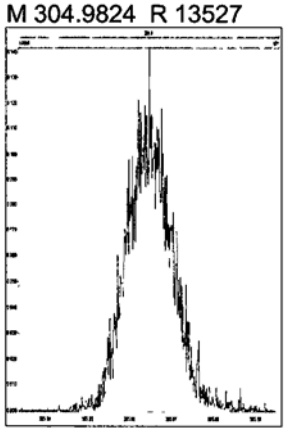
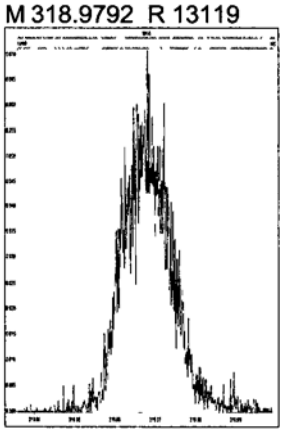
M 292.9824 R 12607



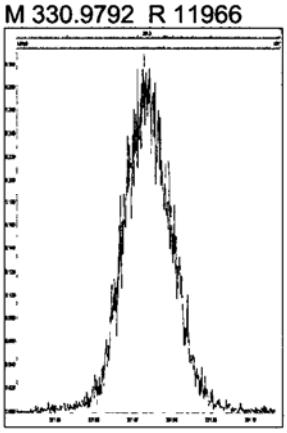
M 304.9824 R 13527



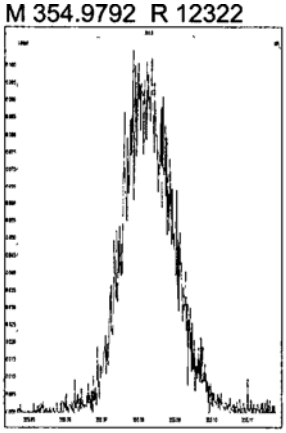
M 318.9792 R 13119



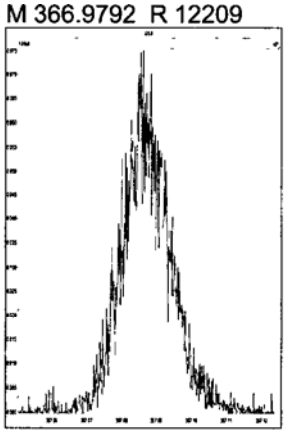
M 330.9792 R 11966



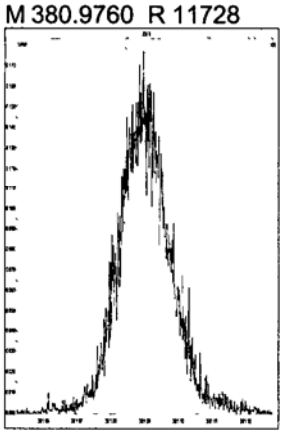
M 354.9792 R 12322



M 366.9792 R 12209



M 380.9760 R 11728



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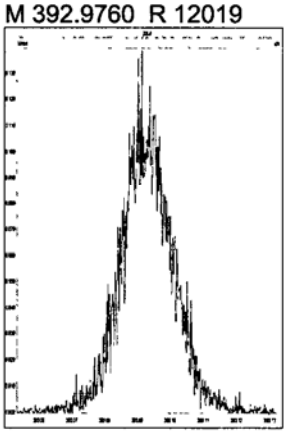

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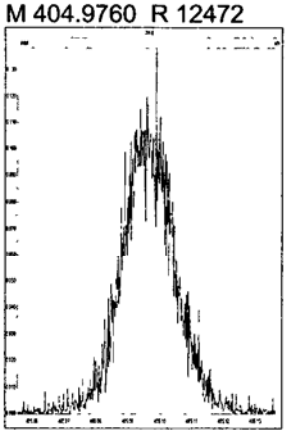

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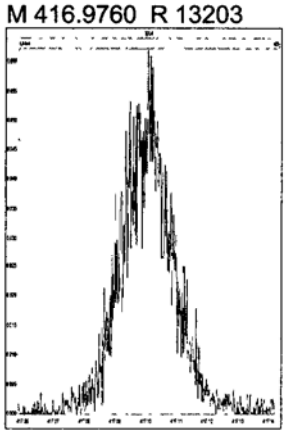
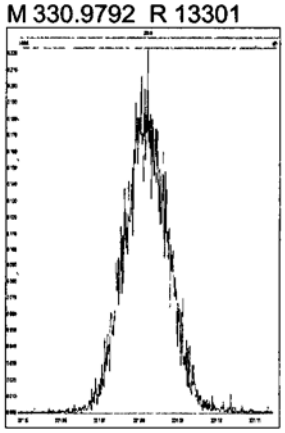
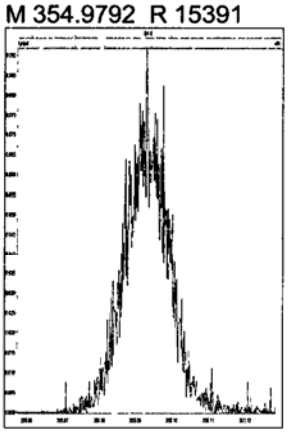


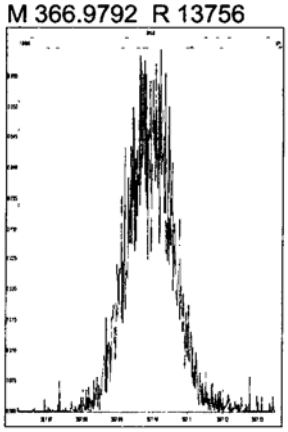
M 330.9792 R 13301



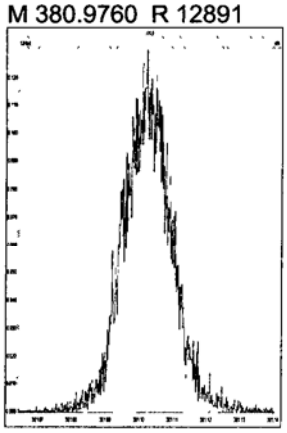
M 354.9792 R 15391



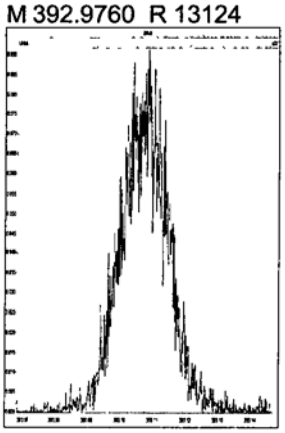
M 366.9792 R 13756



M 380.9760 R 12891



M 392.9760 R 13124



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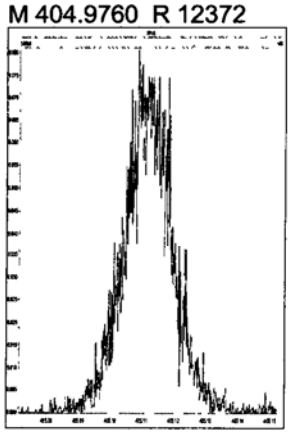
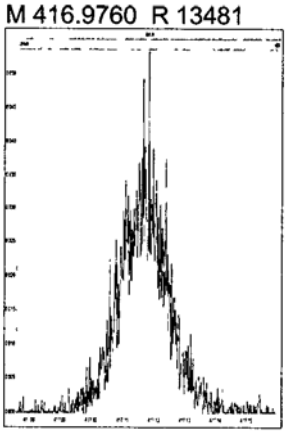


M 416.9760 R 13481



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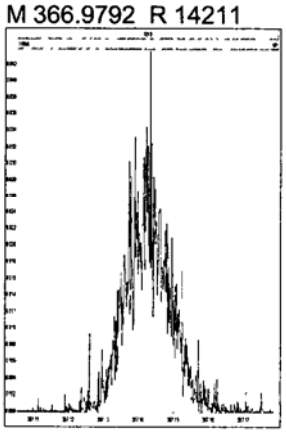
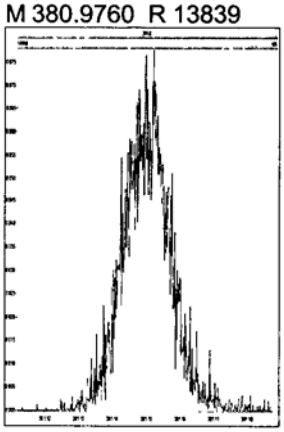


M 380.9760 R 13839



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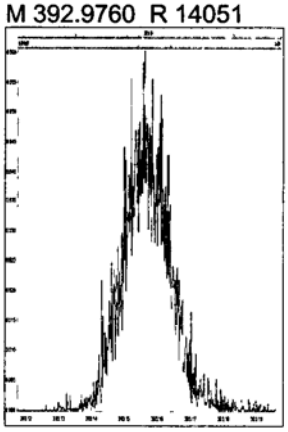
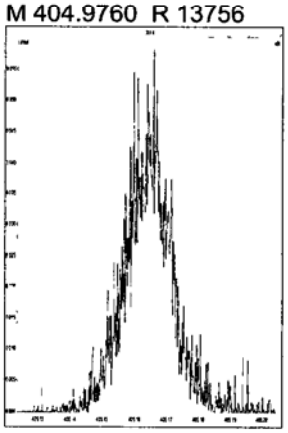
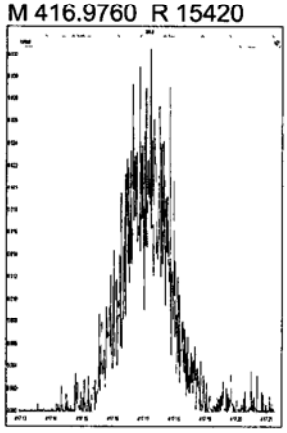


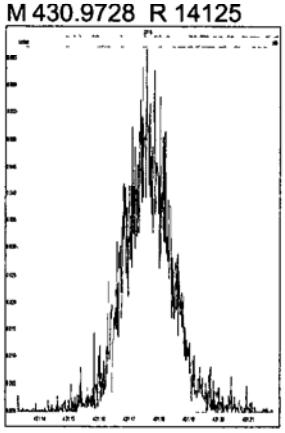
M 404.9760 R 13756



M 416.9760 R 15420



M 430.9728 R 14125



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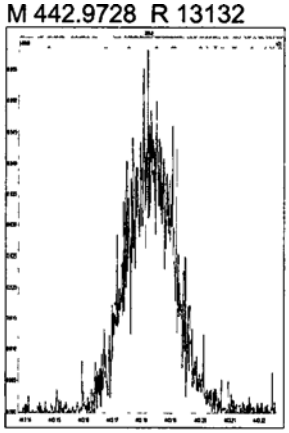
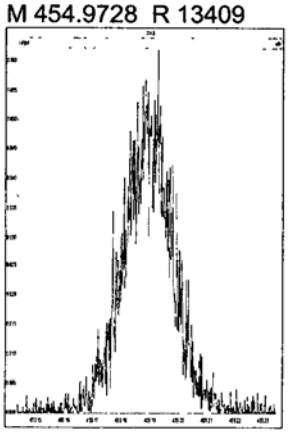


M 454.9728 R 13409



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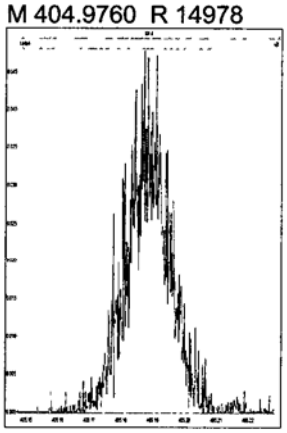

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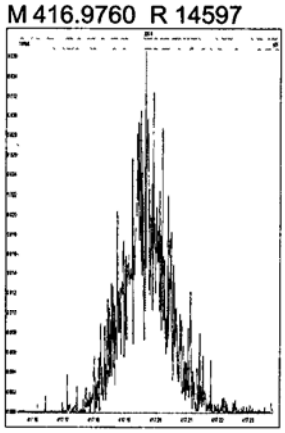
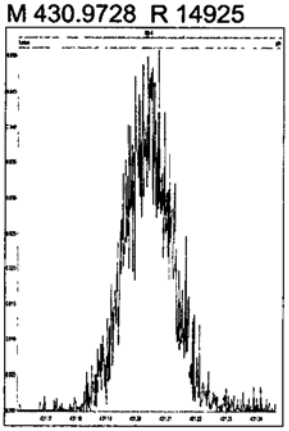
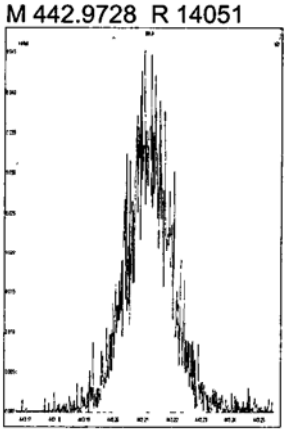


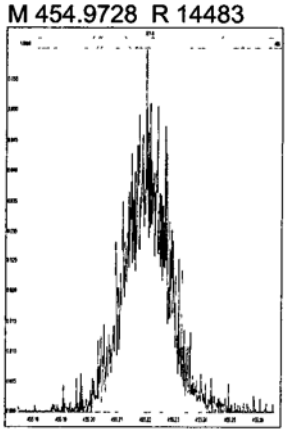
M 430.9728 R 14925



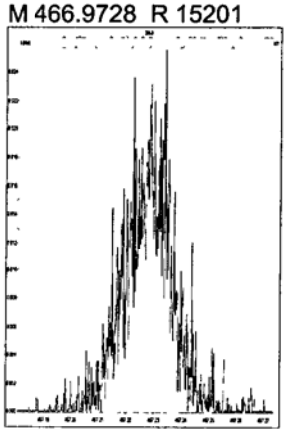
M 442.9728 R 14051



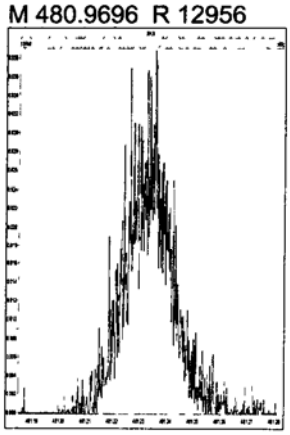
M 454.9728 R 14483



M 466.9728 R 15201



M 480.9696 R 12956



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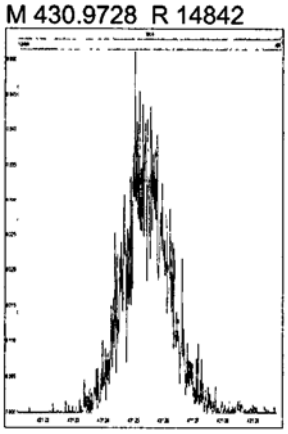
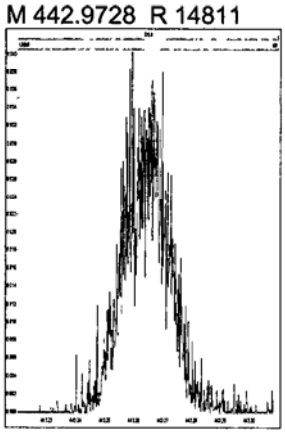
M 430.9728 R 14842



M 442.9728 R 14811



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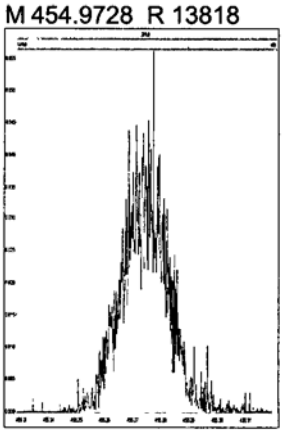
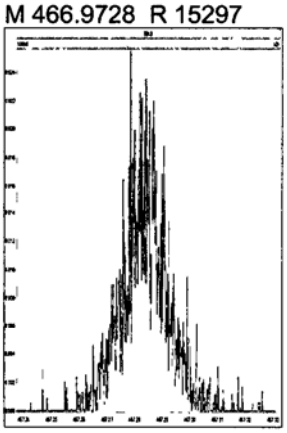
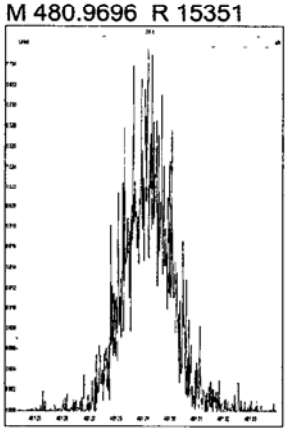


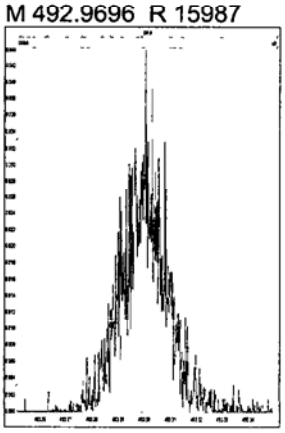
M 466.9728 R 15297



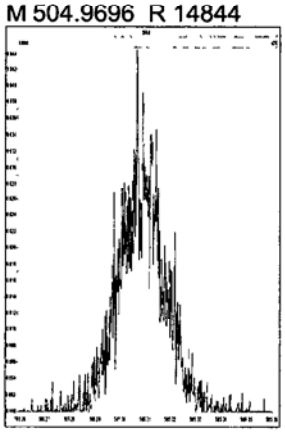
M 480.9696 R 15351



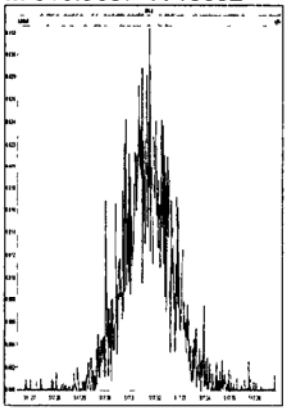
M 492.9696 R 15987



M 504.9696 R 14844



M 516.9697 R 15692



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Printed: Thursday, August 29, 2013 11:33:47 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

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23478-PeCDF	31.560	1.000	5.25e5	3.55e5	0.880	1.477	1.550	1944.9	NO	52.547	52.547
123478-HxCDF	35.232	1.001	5.51e5	4.57e5	1.048	1.206	1.240	2082.9	NO	49.844	49.844
234678-HxCDF	36.328	1.001	6.05e5	5.03e5	1.088	1.204	1.240	2196.3	NO	50.805	50.805
123678-HxCDF	35.386	1.001	5.64e5	4.73e5	1.025	1.192	1.240	2058.8	NO	49.977	49.977
123789-HxCDF	37.468	1.000	4.47e5	3.79e5	0.959	1.181	1.240	1698.8	NO	50.562	50.562
1234678-HpCDF	39.518	1.000	4.23e5	4.24e5	1.215	0.999	1.050	3540.1	NO	50.244	50.244
1234789-HpCDF	42.226	1.000	3.15e5	3.22e5	1.200	0.979	1.050	2277.2	NO	51.261	51.261
OCDF	47.522	1.006	5.49e5	6.18e5	1.064	0.888	0.890	2080.3	NO	100.395	100.395
2378-TCDD	26.706	1.001	7.52e4	9.68e4	0.994	0.777	0.770	910.0	NO	9.932	9.932
12378-PeCDD	31.812	1.001	4.93e5	3.20e5	0.976	1.540	1.550	3875.3	NO	49.300	49.300
123478-HxCDD	36.460	1.000	4.48e5	3.58e5	0.967	1.253	1.240	3177.3	NO	50.002	50.002
123678-HxCDD	36.591	1.001	4.33e5	3.44e5	0.902	1.261	1.240	2996.8	NO	49.983	49.983
123789-HxCDD	37.019	1.012	4.10e5	3.31e5	0.914	1.240	1.240	2838.2	NO	47.839	47.839
1234678-HpCDD	41.338	1.000	2.98e5	2.80e5	0.999	1.063	1.050	2124.3	NO	49.579	49.579
OCDD	47.244	1.000	5.03e5	5.66e5	0.979	0.889	0.890	3495.2	NO	99.932	99.932
13C-2378-TCDF	26.049	1.007	1.16e6	1.50e6	1.419	0.771	0.770	6212.9	NO		96.405
13C-12378-PeCDF	30.201	1.167	1.16e6	7.31e5	1.158	1.584	1.550	6800.5	NO		83.991
13C-23478-PeCDF	31.549	1.220	1.16e6	7.43e5	1.127	1.564	1.550	6898.7	NO		87.003
13C-123478-HxCDF	35.210	0.952	6.59e5	1.27e6	1.206	0.518	0.510	3278.0	NO		104.607
13C-123678-HxCDF	35.364	0.956	6.98e5	1.33e6	1.266	0.526	0.510	3452.6	NO		104.679
13C-234678-HxCDF	36.306	0.981	6.86e5	1.32e6	1.155	0.520	0.510	3285.4	NO		113.407
13C-123789-HxCDF	37.458	1.012	5.84e5	1.12e6	1.121	0.521	0.510	2927.0	NO		99.429
13C-1234678-HpCDF	39.507	1.068	4.27e5	9.61e5	1.040	0.444	0.440	4469.6	NO		87.319
13C-1234789-HpCDF	42.204	1.141	3.21e5	7.14e5	0.789	0.450	0.440	2912.6	NO		85.812
13C-1234-TCDD	25.869	0.000	8.63e5	1.08e6	1.000	0.799	0.770	5711.0	NO		100.000
13C-2378-TCDD	26.691	1.032	7.66e5	9.77e5	0.962	0.785	0.770	5027.0	NO		93.241
13C-12378-PeCDD	31.790	1.229	1.03e6	6.57e5	0.746	1.571	1.550	10697.3	NO		116.507
13C-123478-HxCDD	36.449	0.985	9.36e5	7.29e5	1.003	1.283	1.240	5808.0	NO		108.605
13C-123678-HxCDD	36.569	0.988	9.41e5	7.83e5	1.052	1.202	1.240	5946.7	NO		107.146
13C-1234678-HpCDD	41.316	1.117	5.94e5	5.74e5	0.880	1.035	1.050	5050.2	NO		86.720
13C-OCDD	47.226	1.276	1.03e6	1.16e6	0.775	0.885	0.890	4557.8	NO		184.337

Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
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ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	36.997	0.000	8.48e5	6.81e5	1.000	1.245	1.240	5204.1	NO	100.000
Total-tetrafurans			3.18e5		0.867					32.781
Total-penta1			7.65e5							72.634
Total-pentafurans			1.62e6		0.877					161.811
Total-hexafurans			2.68e6		1.030					249.117
Total-heptafurans			7.41e5		1.207					101.801
Total-Furans			6.67e6		1.022					718.549
Total-tetradioxins			4.38e5		0.994					58.069
Total-pentadioxins			1.50e6		0.976					150.158
Total-hexadioxins			1.77e6		0.928					203.504
Total-heptadioxins			6.36e5		0.999					106.708
Total-Dioxins			4.85e6		0.962					618.371
Total-TEQ			1.15e7							1336.920
37CL-2378-TCDD	26.706	1.032	1.91e5		1.091			1933.1		8.989
FUNCTION1 PFK			9.47e6							
FUNCTION2 PFK			1.54e6							0.000
FUNCTION3 PFK			1.03e7							0.000
FUNCTION4 PFK			3.17e6							
FUNCTION5 PFK			0.00e0							
FUNCTION1 HXCDPE			1.13e2							0.000
FUNCTION1 HPCDPE			7.27e1							0.000
FUNCTION2 HPCDPE			5.59e2							0.000
FUNCTION3 OCDPE			0.00e0							
FUNCTION4 NCDPE			0.00e0							
FUNCTION5 DCDPE			0.00e0							

Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
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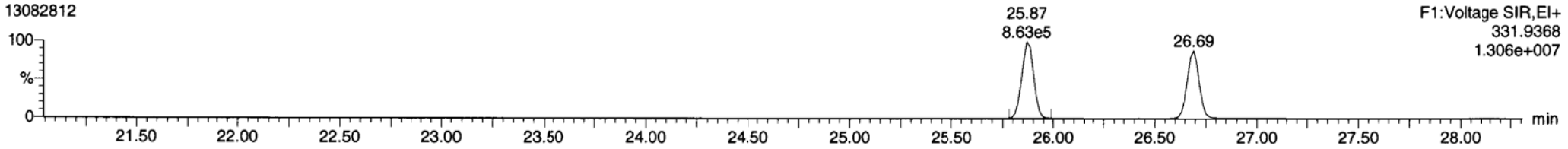
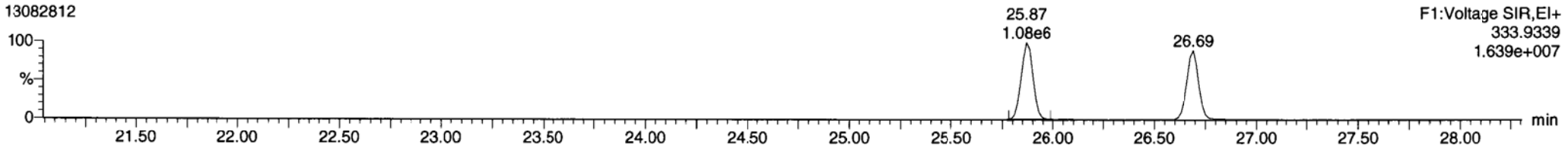
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

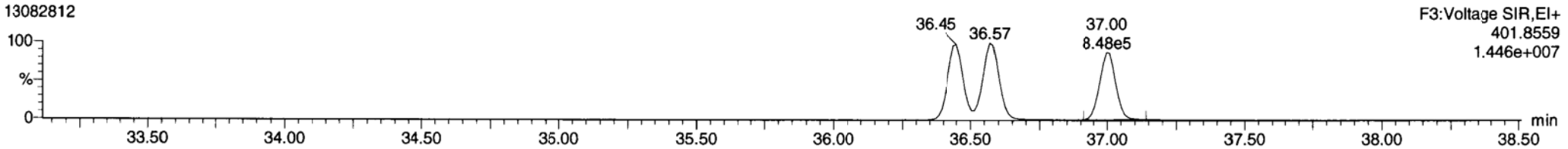
13C-1234-TCDD



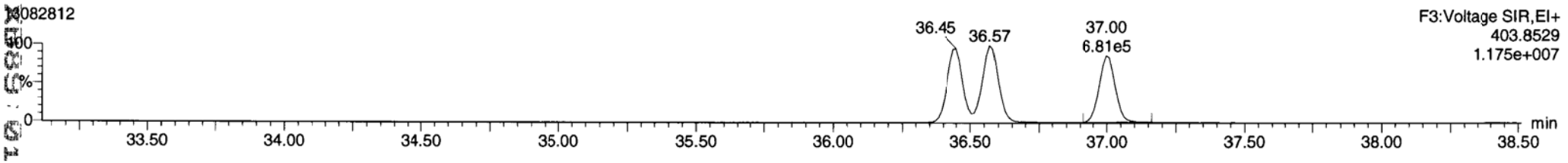
13C-1234-TCDD



13C-123789-HxCDD



13C-123789-HxCDD



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
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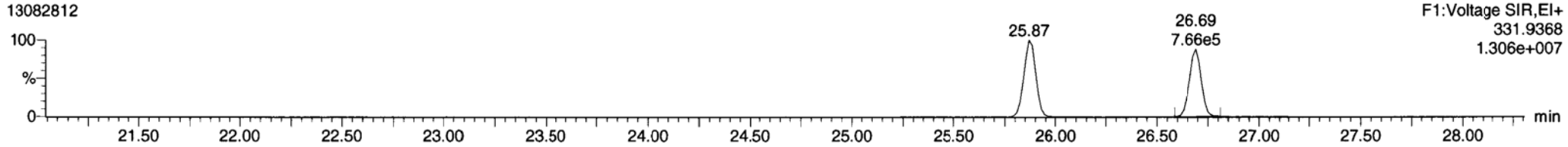
ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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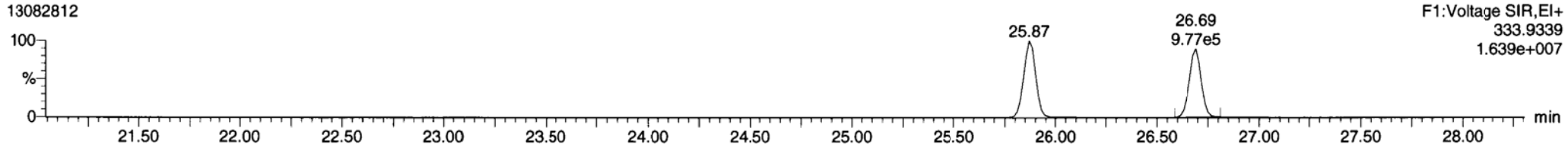
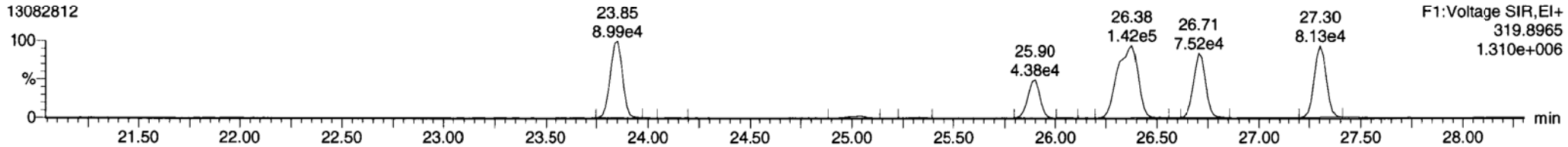
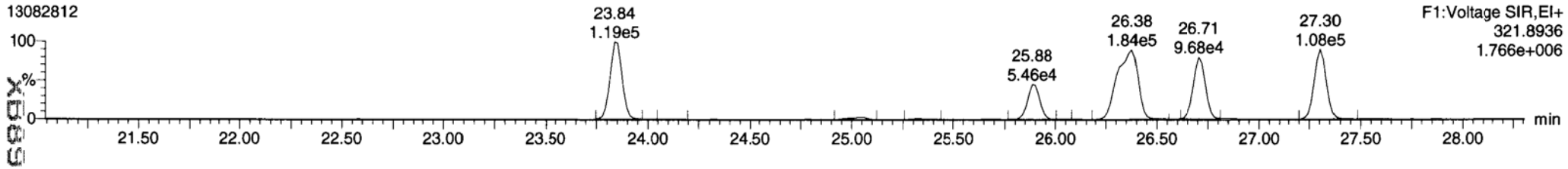


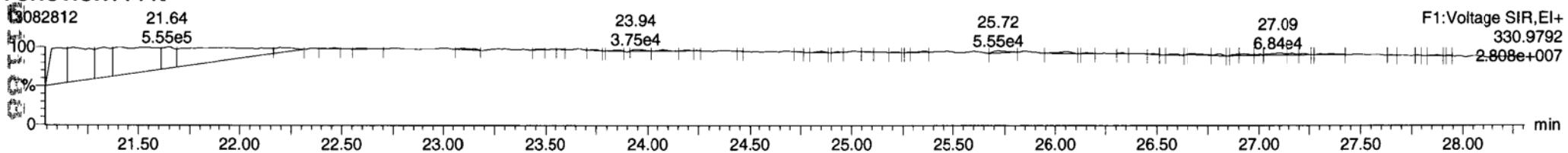
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
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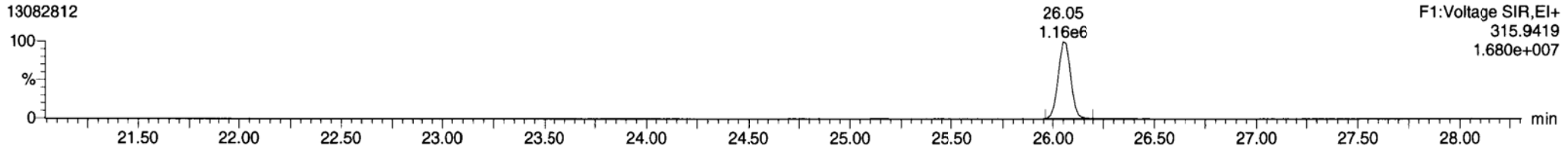
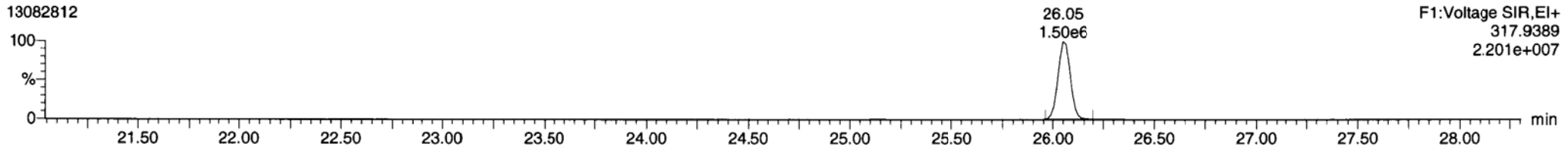
ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

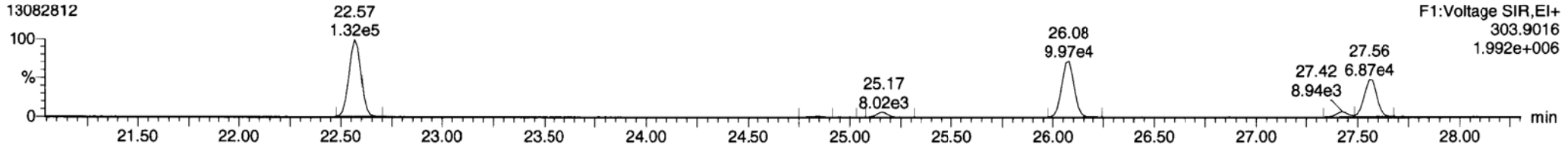
13C-2378-TCDF



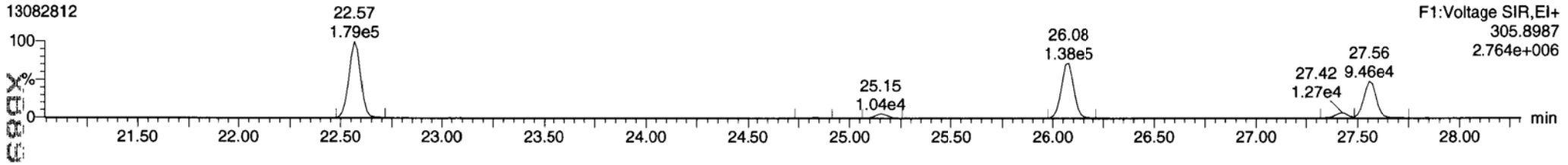
13C-2378-TCDF



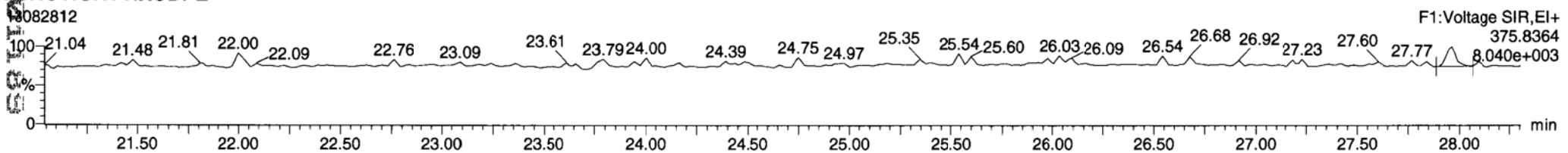
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
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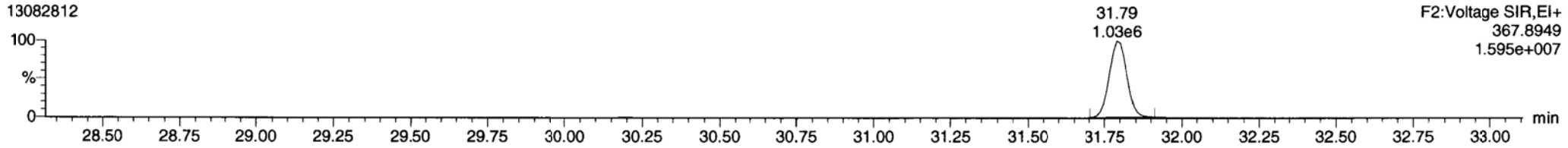
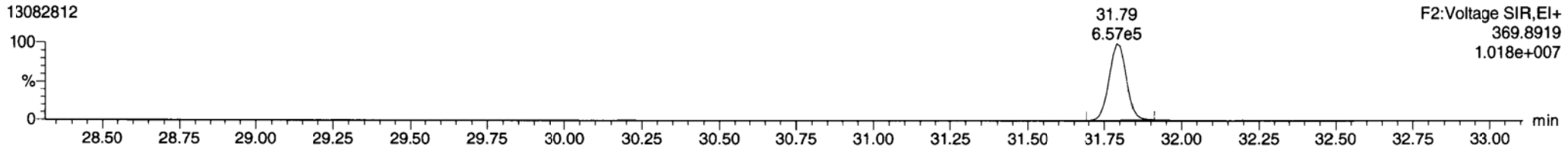
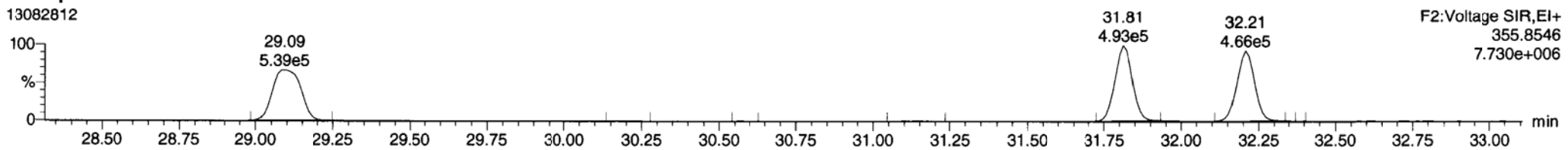
13C-12378-PeCDD



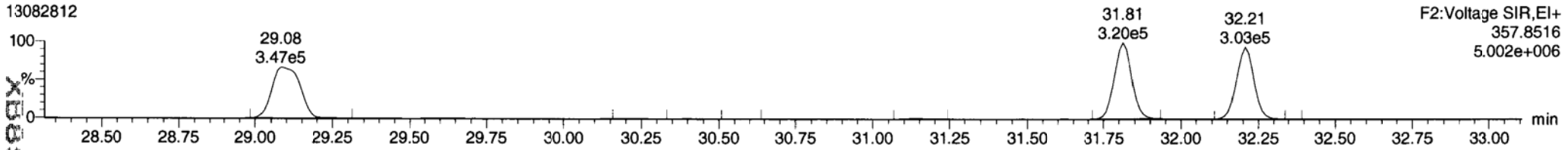
13C-12378-PeCDD



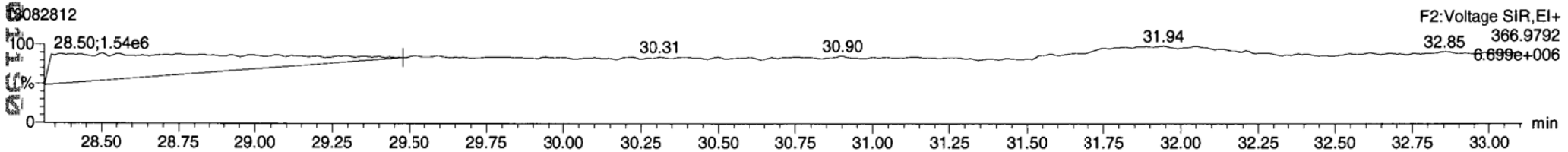
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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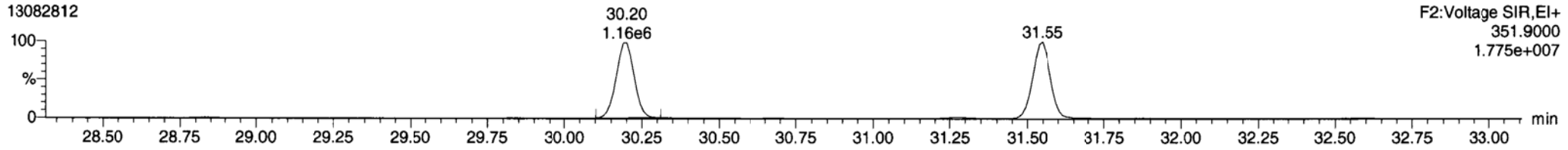
13C-12378-PeCDF



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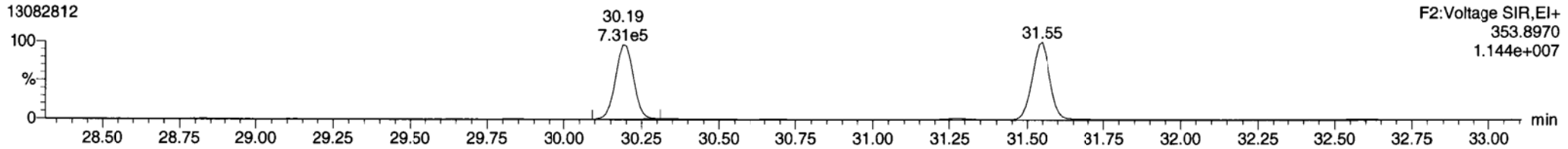
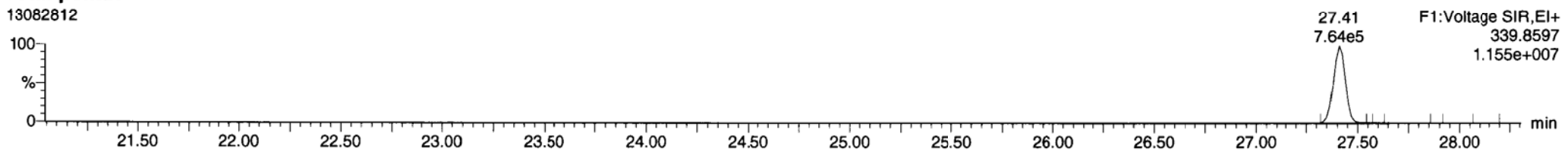
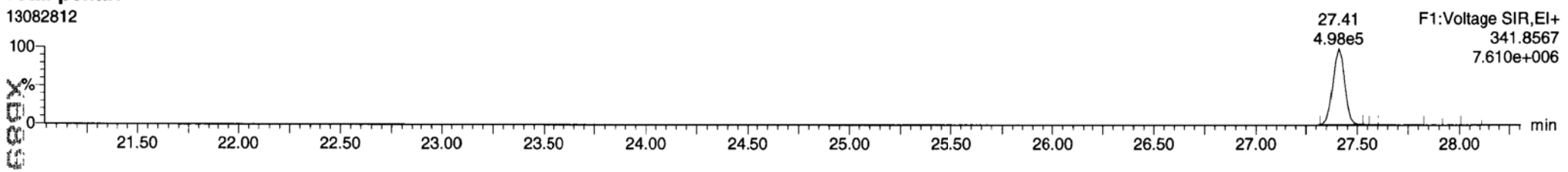


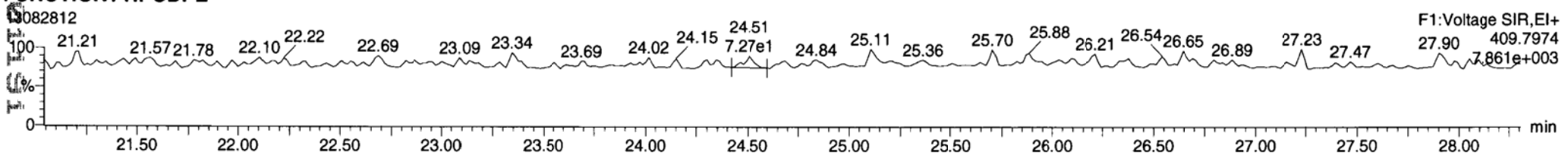
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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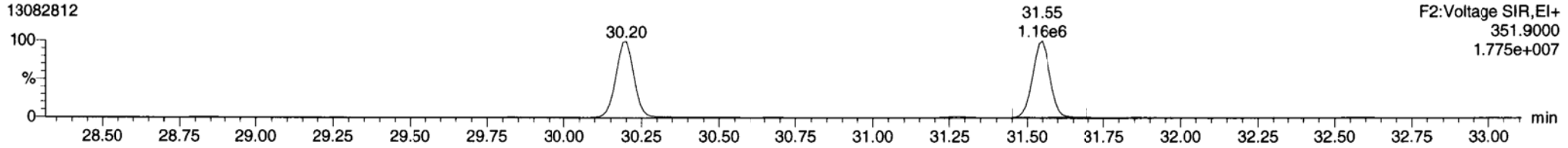
13C-23478-PeCDF



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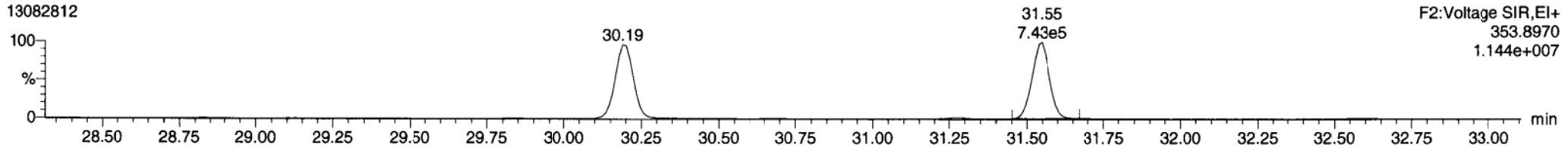
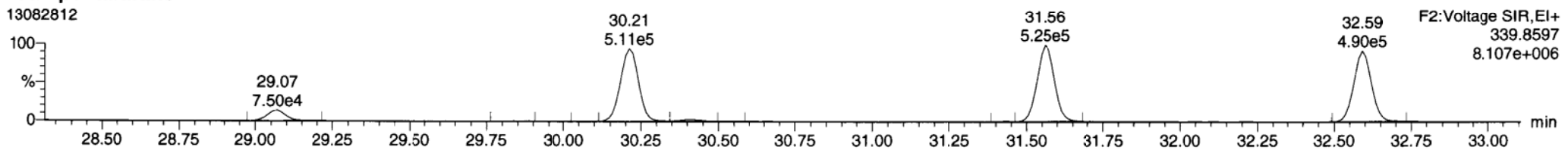
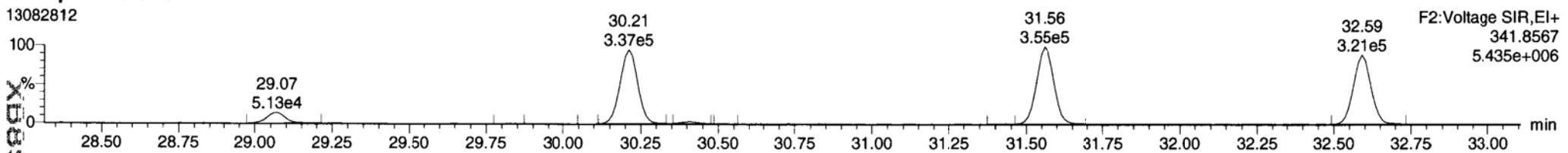


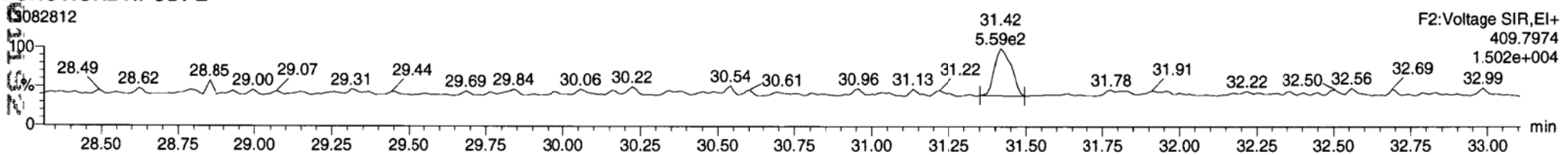
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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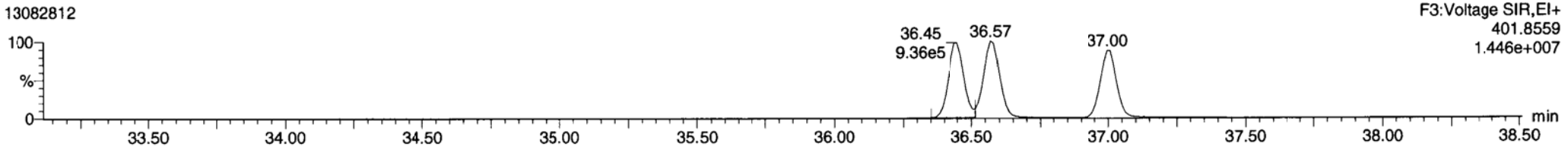
13C-123478-HxCDD



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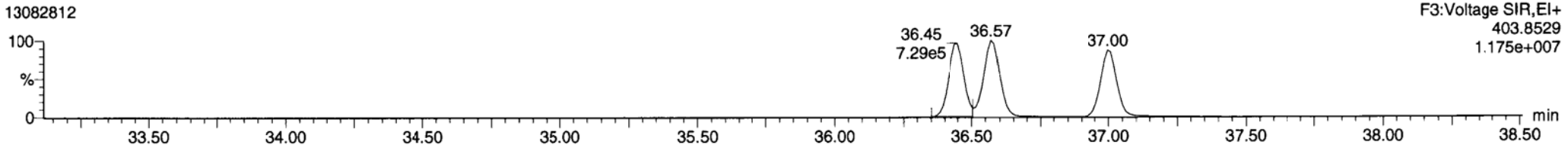
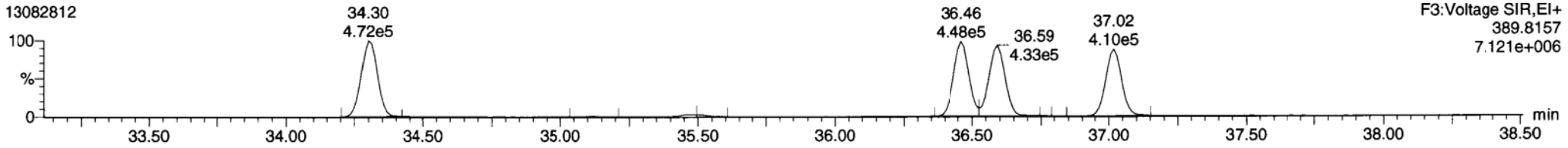
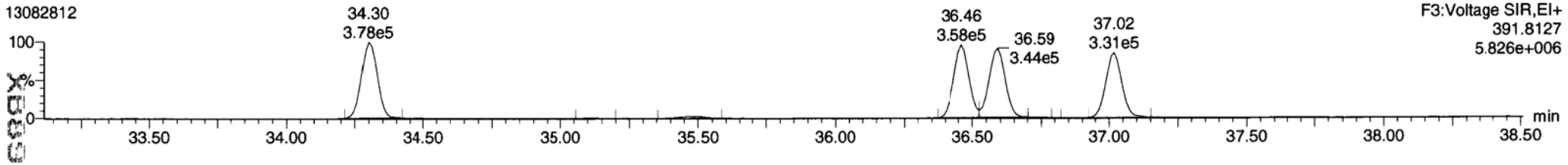


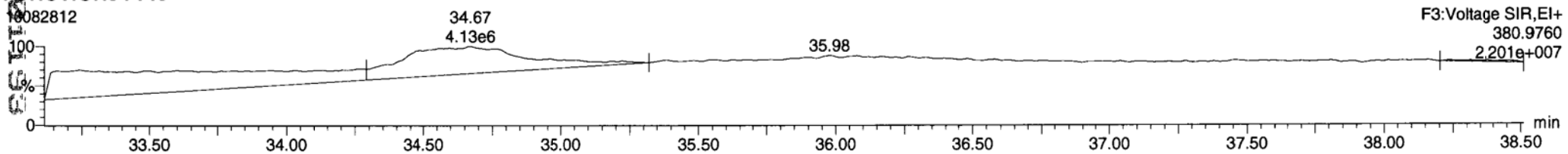
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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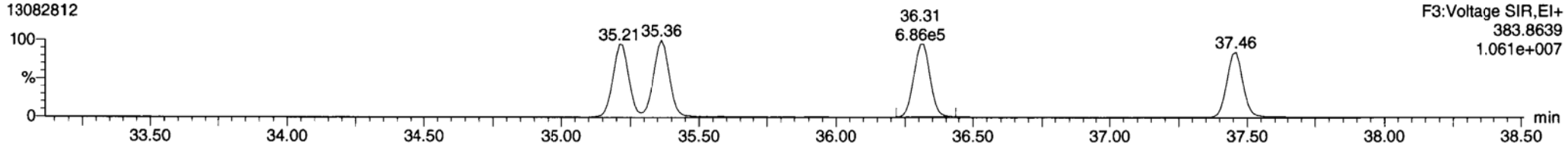
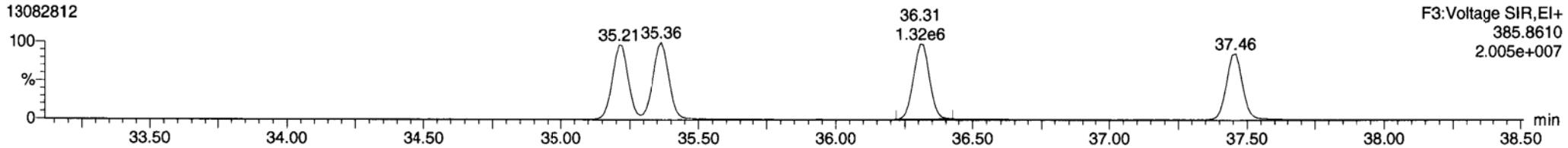
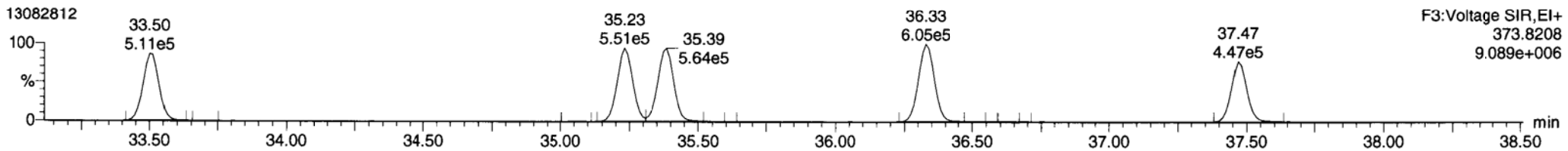
13C-234678-HxCDF



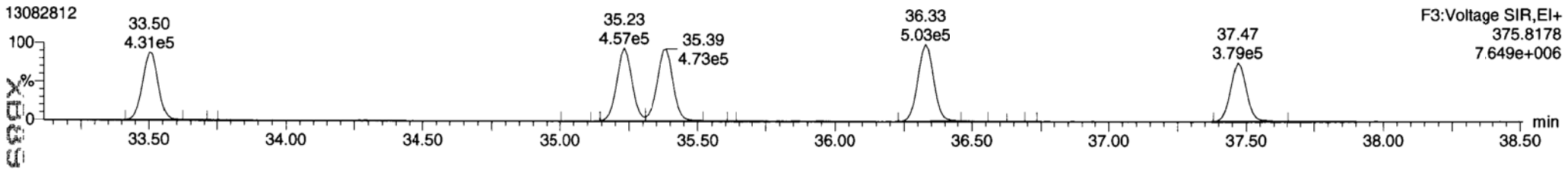
13C-234678-HxCDF



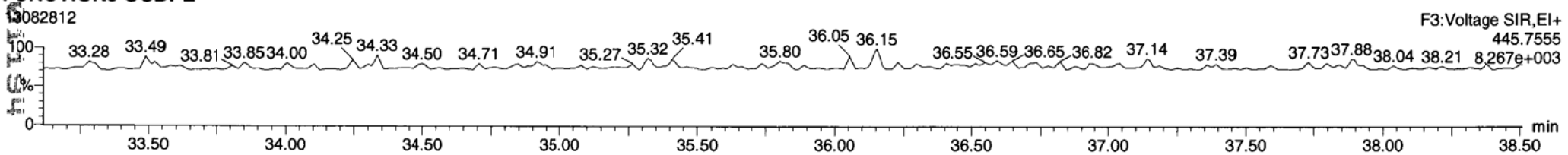
Total-hexafurans



Total-hexafurans



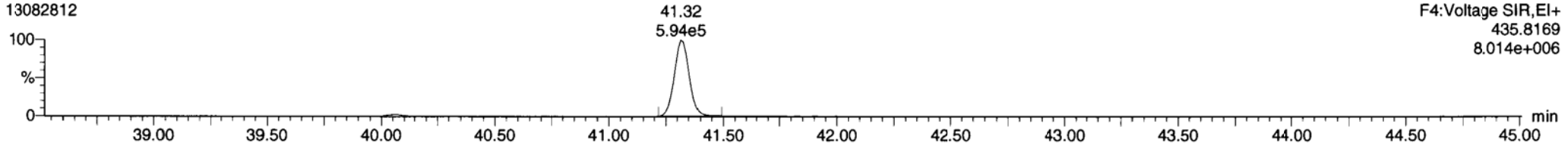
FUNCTION3 OCDPE



Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 11:33:47 Pacific Daylight Time

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDD



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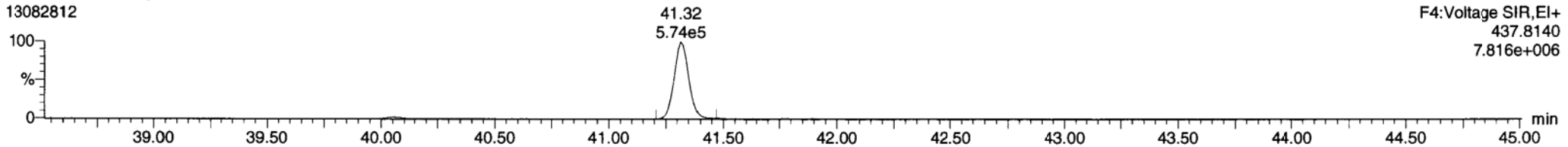
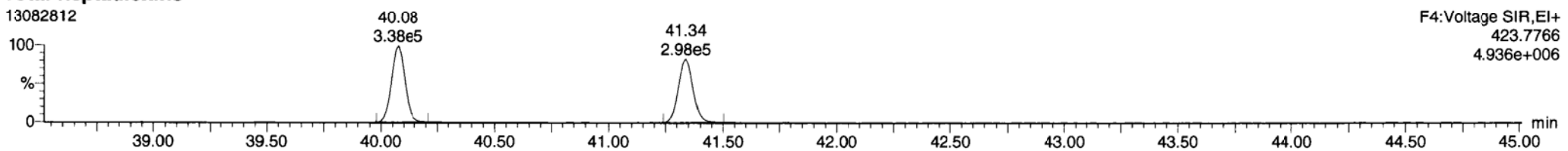
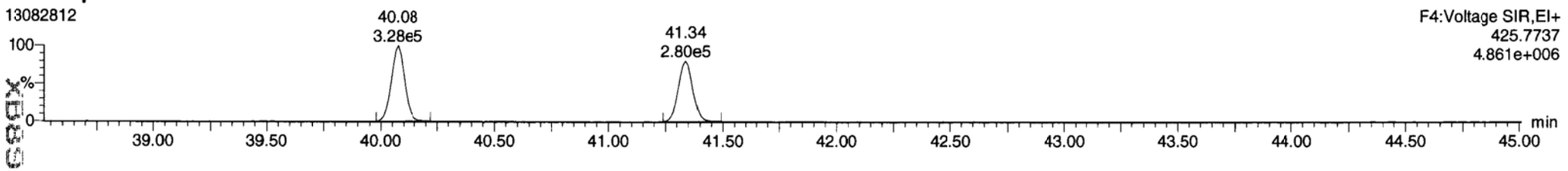


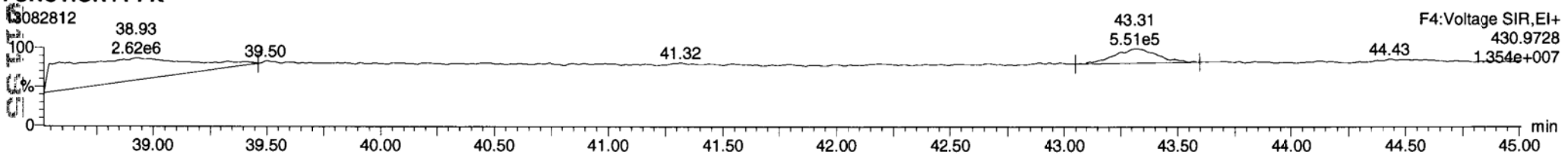
Total-heptadioxins



Total-heptadioxins



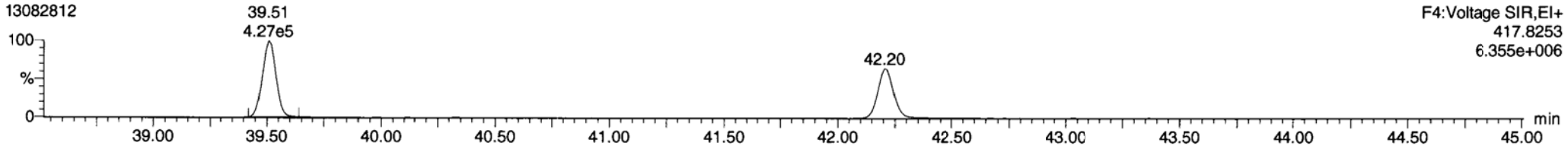
FUNCTION4 PFK



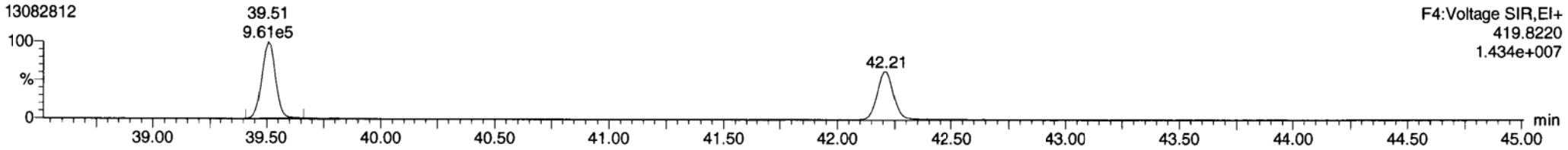
Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 11:33:47 Pacific Daylight Time

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

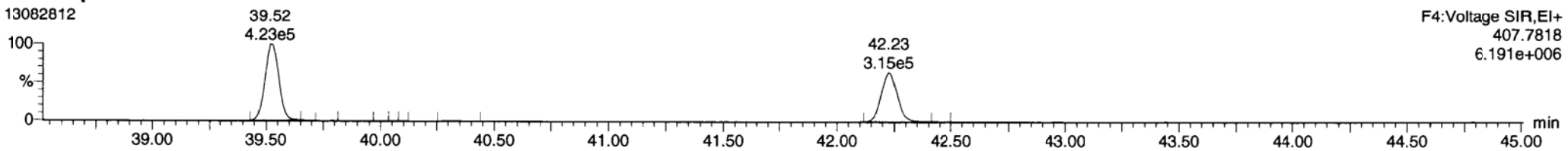
13C-1234678-HpCDF



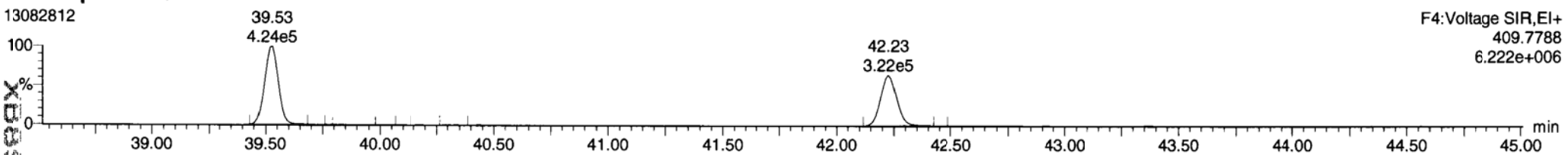
13C-1234678-HpCDF



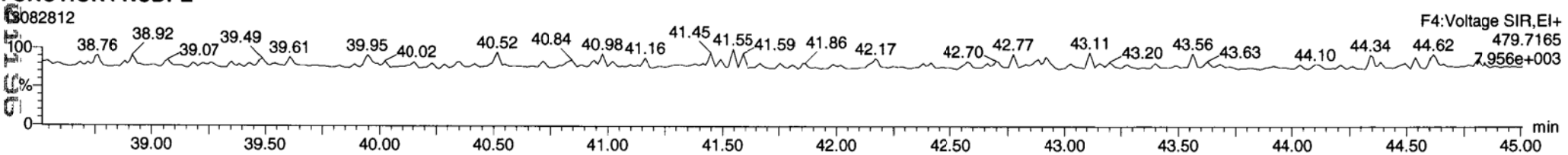
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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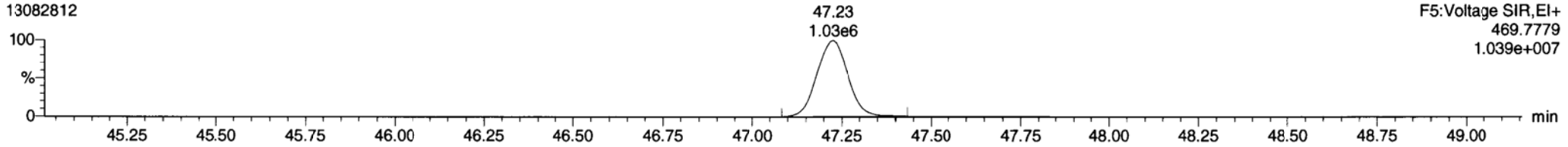
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 11:33:47 Pacific Daylight Time

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

13C-OCDD



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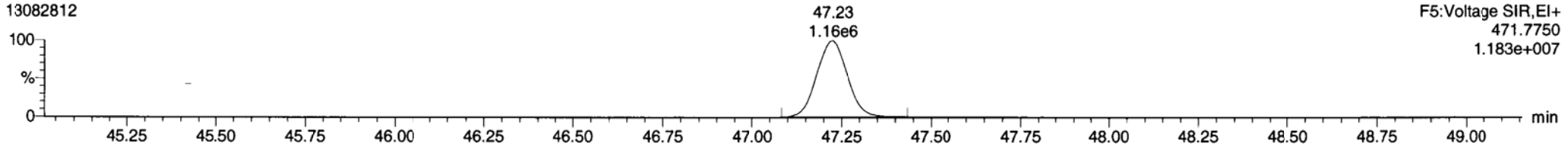
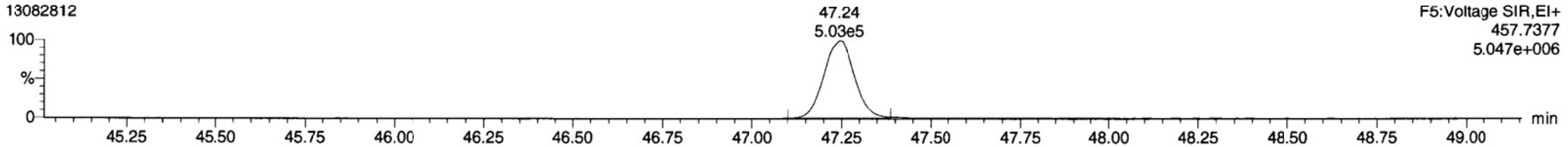
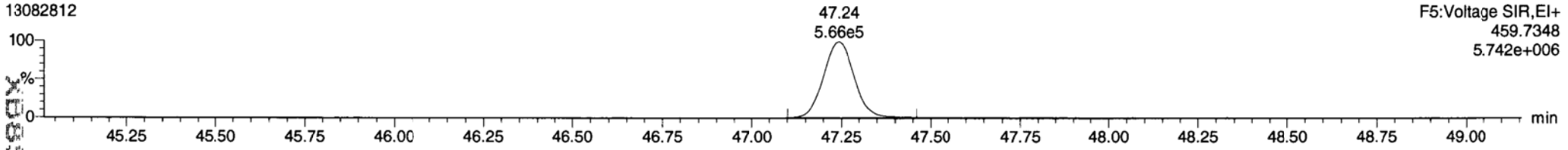


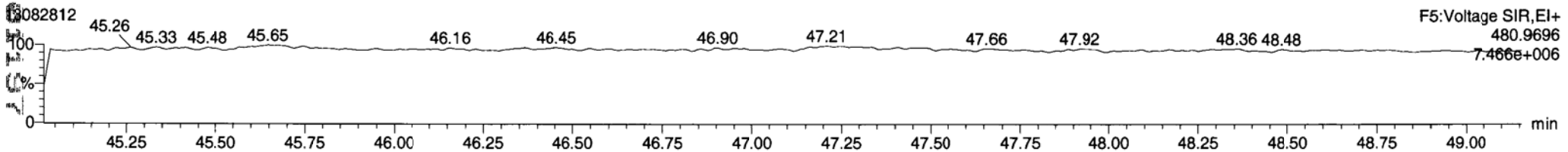
OCDD



OCDD



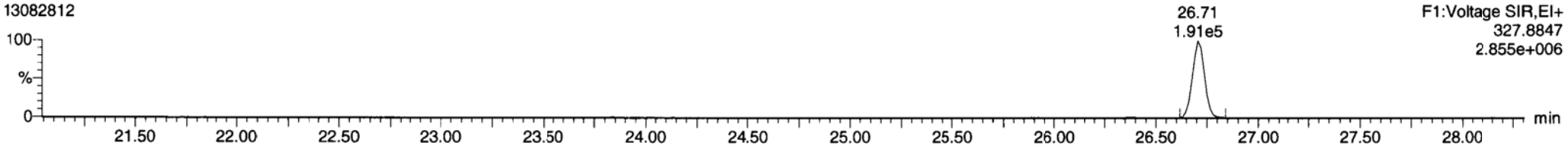
FUNCTION5 PFK



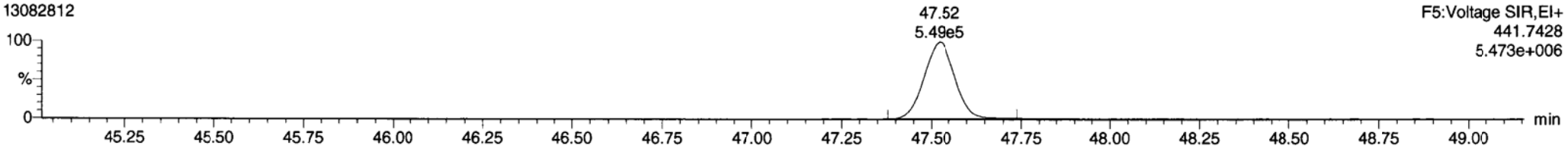
Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 11:33:47 Pacific Daylight Time

ID: CS3, Name: 13082812, Date: 28-Aug-2013, Time: 20:01:36, Conditions: AUTOSPEC01, User: pk

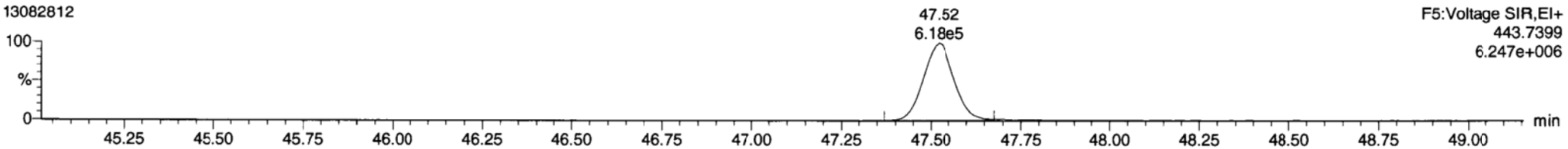
37CL-2378-TCDD



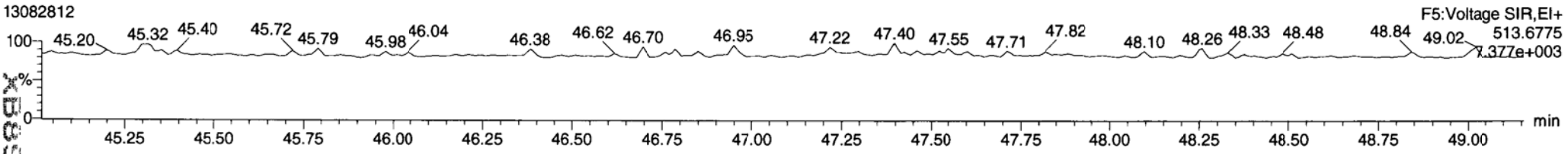
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.093	1.001	7.02e3	9.27e3	0.867	0.757	0.770	70.6	1467	9488	1.04e5	1.41e5	NO	1.747	1.747
12378-PeCDF	30.245	1.000	2.93e4	2.09e4	0.875	1.399	1.550	150.6	3025	1600	4.56e5	3.19e5	NO	2.409	2.409
23478-PeCDF	31.604	1.001	3.01e4	2.02e4	0.880	1.495	1.550	145.5	3025	1600	4.40e5	3.15e5	NO	2.226	2.226
123478-HxCDF	35.309	1.000	1.12e5	9.32e4	1.048	1.207	1.240	350.5	4923	2618	1.73e6	1.40e6	NO	9.056	9.056
234678-HxCDF	36.405	1.000	4.09e4	3.54e4	1.088	1.157	1.240	110.7	4923	2618	5.45e5	4.92e5	NO	3.518	3.518
123678-HxCDF	35.463	1.001	4.85e4	3.95e4	1.025	1.228	1.240	151.9	4923	2618	7.48e5	5.93e5	NO	3.847	3.847
123789-HxCDF	37.512	1.000	4.95e4	4.23e4	0.959	1.169	1.240	156.3	4923	2618	7.69e5	6.62e5	NO	4.363	4.363
1234678-HpCDF	39.628	1.000	9.09e5	9.20e5	1.215	0.988	1.050	6275.3	2190	2571	1.37e7	1.38e7	NO	107.602	107.602
1234789-HpCDF	42.314	1.000	6.07e4	6.15e4	1.200	0.987	1.050	339.9	2190	2571	7.44e5	7.91e5	NO	9.124	9.124
OCDF	47.684	1.006	1.16e6	1.35e6	1.064	0.861	0.890	7470.6	1708	2403	1.28e7	1.48e7	NO	333.574	333.574
2378-TCDD	26.736	1.001	2.22e3	3.12e3	0.994	0.711	0.770	26.6	1051	1219	2.79e4	4.36e4	NO	0.458	0.458
12378-PeCDD	31.845	1.001	2.78e4	1.81e4	0.976	1.539	1.550	192.0	1949	1957	3.74e5	2.41e5	NO	2.762	2.762
123478-HxCDD	36.548	1.000	5.35e4	4.33e4	0.967	1.235	1.240	133.1	6363	5553	8.47e5	6.39e5	NO	5.186	5.186
123678-HxCDD	36.679	1.000	3.32e5	2.65e5	0.902	1.253	1.240	790.6	6363	5553	5.03e6	3.96e6	NO	34.276	34.276
123789-HxCDD	37.118	1.012	1.02e5	8.25e4	0.914	1.235	1.240	244.7	6363	5553	1.56e6	1.26e6	NO	10.448	10.448
1234678-HpCDD	41.437	1.001	1.11e7	1.08e7	0.999	1.031	1.050	13607.6	11671	8865	1.59e8	1.54e8	NO	1473.657	1473.657
OCDD	47.415	1.000	3.33e7	3.75e7	0.979	0.887	0.890	78946.1	4346	6882	3.43e8	3.84e8	NO	10196.846	10196.846
13C-2378-TCDF	26.078	1.008	4.68e5	6.08e5	1.419	0.770	0.770	3323.7	2148	1452	7.14e6	9.14e6	NO		24.481
13C-12378-PeCDF	30.234	1.168	1.46e6	9.28e5	1.158	1.569	1.550	6984.9	3241	2217	2.26e7	1.44e7	NO		66.389
13C-23478-PeCDF	31.582	1.220	1.57e6	1.00e6	1.127	1.567	1.550	7497.1	3241	2217	2.43e7	1.56e7	NO		73.562
13C-123478-HxCDF	35.298	0.952	7.35e5	1.43e6	1.206	0.513	0.510	4119.0	2677	3016	1.10e7	2.14e7	NO		86.117
13C-123678-HxCDF	35.440	0.955	7.63e5	1.47e6	1.266	0.519	0.510	4237.6	2677	3016	1.13e7	2.19e7	NO		84.623
13C-234678-HxCDF	36.405	0.981	6.83e5	1.31e6	1.155	0.521	0.510	3788.7	2677	3016	1.01e7	1.95e7	NO		82.710
13C-123789-HxCDF	37.512	1.011	7.51e5	1.44e6	1.121	0.521	0.510	4585.8	2677	3016	1.23e7	2.38e7	NO		93.919
13C-1234678-HpCDF	39.617	1.068	4.30e5	9.69e5	1.040	0.444	0.440	2626.6	2439	2255	6.41e6	1.43e7	NO		64.543
13C-1234789-HpCDF	42.303	1.140	3.43e5	7.74e5	0.789	0.444	0.440	1795.3	2439	2255	4.38e6	9.73e6	NO		67.880
13C-1234-TCDD	25.884	0.000	1.37e6	1.73e6	1.000	0.793	0.770	8292.7	2529	1980	2.10e7	2.66e7	NO		100.000
13C-2378-TCDD	26.706	1.032	5.11e5	6.62e5	0.962	0.772	0.770	3112.8	2529	1980	7.87e6	1.03e7	NO		39.342
13C-12378-PeCDD	31.823	1.229	1.04e6	6.65e5	0.746	1.558	1.550	7608.1	2051	1870	1.56e7	1.01e7	NO		73.540
13C-123478-HxCDD	36.537	0.985	1.08e6	8.52e5	1.003	1.264	1.240	7132.6	2305	1631	1.64e7	1.30e7	NO		92.277
13C-123678-HxCDD	36.668	0.988	1.07e6	8.63e5	1.052	1.240	1.240	7053.6	2305	1631	1.63e7	1.32e7	NO		88.106
13C-1234678-HpCDD	41.415	1.116	7.63e5	7.29e5	0.880	1.046	1.050	6515.8	1623	1674	1.06e7	1.02e7	NO		81.289
13C-OCDD	47.397	1.278	6.69e5	7.49e5	0.775	0.894	0.890	5756.4	1153	1295	6.64e6	7.47e6	NO		87.795

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	37.096	0.000	1.15e6	9.32e5	1.000	1.238	1.240	7691.6	2305	1631	1.77e7	1.42e7	NO	100.000
Total-tetrafurans			6.10e4		0.867				1467		8.47e5			14.970
Total-penta1			3.17e5						1009		4.55e6			22.881
Total-pentafurans			2.56e5		0.877				3025		3.83e6			19.766
Total-hexafurans			2.42e6		1.030				4923		3.63e7			201.915
Total-heptafurans			3.53e6		1.207				2190		5.23e7			453.285
Total-Furans			7.75e6		1.022				1467		1.11e8			1046.418
Total-tetradioxins			6.72e4		0.994				1051		9.86e5			13.529
Total-pentadioxins			3.97e5		0.976				1949		5.43e6			39.823
Total-hexadioxins			7.04e6		0.928				6363		9.37e7			710.183
Total-heptadioxins			5.25e7		0.999				11671		7.79e8			6941.590
Total-Dioxins			9.33e7		0.962				1051		1.22e9			17901.972
Total-TEQ			1.01e8						1051		1.33e9			18948.390
37CL-2378-TCDD	26.721	1.032	5.35e5		1.091			6744.3	1192		8.04e6			15.823
FUNCTION1 PFK			8.54e5						478321		1.23e7			
FUNCTION2 PFK			2.46e6						132290		2.96e7			0.000
FUNCTION3 PFK			1.96e6						268768		2.05e7			0.000
FUNCTION4 PFK			3.63e4						192336		7.21e5			
FUNCTION5 PFK			0.00e0						162171		0.00e0			
FUNCTION1 HXCDPE			0.00e0						532		0.00e0			
FUNCTION1 HPCDPE			1.91e2						598		4.17e3			0.000
FUNCTION2 HPCDPE			8.91e2						808		1.65e4			0.000
FUNCTION3 OCDPE			3.33e3						1307		6.36e4			0.000
FUNCTION4 NCDPE			1.00e4						1104		1.53e5			0.000
FUNCTION5 DCDPE			9.18e2						471		1.82e4			0.000

XB89.S12SS

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

TF

	35	Total-tetrafurans	303.9016	24.84	2546.873	0.867	0.273		0.64	0.77	YES	12.8
	35	Total-tetrafurans	303.9016	24.75	15729.977	0.867	1.686		0.79	0.77	NO	58.4
	35	Total-tetrafurans	303.9016	24.08	3874.050	0.867	0.415		0.72	0.77	NO	16.2
	35	Total-tetrafurans	303.9016	23.61	4431.627	0.867	0.475		1.90	0.77	YES	16.9
	35	Total-tetrafurans	303.9016	23.43	26392.936	0.867	2.829		0.76	0.77	NO	109.8
	35	Total-tetrafurans	303.9016	22.85	2962.191	0.867	0.318		0.69	0.77	NO	12.7
	35	Total-tetrafurans	303.9016	27.54	10633.204	0.867	1.140		0.63	0.77	YES	28.6
	35	Total-tetrafurans	303.9016	26.32	9647.493	0.867	1.034		1.01	0.77	YES	49.4
	35	Total-tetrafurans	303.9016	26.21	11261.832	0.867	1.207		0.72	0.77	NO	54.0
	1	2378-TCDF	303.9016	26.09	16292.959	0.867	1.747	1.747	0.76	0.77	NO	70.6
	35	Total-tetrafurans	303.9016	25.85	8413.205	0.867	0.902		0.71	0.77	NO	25.6
	35	Total-tetrafurans	303.9016	25.60	7522.543	0.867	0.806		0.75	0.77	NO	30.8
	35	Total-tetrafurans	303.9016	25.17	11611.096	0.867	1.245		0.72	0.77	NO	51.9
	35	Total-tetrafurans	303.9016	24.99	8334.619	0.867	0.893		0.80	0.77	NO	39.8

TP

	36	Total-penta1	339.8597	27.51	519371.391		22.881		1.56	1.55	NO	4508.8

TF

	37	Total-pentafurans	339.8597	29.67	5092.695	0.877	0.235		1.41	1.55	NO	18.0
	37	Total-pentafurans	339.8597	29.17	81298.016	0.877	3.745		1.51	1.55	NO	251.8
	37	Total-pentafurans	339.8597	29.10	41526.715	0.877	1.913		1.29	1.55	YES	134.0
	37	Total-pentafurans	339.8597	28.97	20743.970	0.877	0.955		1.58	1.55	NO	47.2
	37	Total-pentafurans	339.8597	28.87	5896.532	0.877	0.272		1.89	1.55	YES	22.5
	37	Total-pentafurans	339.8597	32.63	8252.745	0.877	0.380		1.32	1.55	NO	21.5
	3	23478-PeCDF	339.8597	31.60	50271.255	0.880	2.226	2.226	1.49	1.55	NO	145.5
	37	Total-pentafurans	339.8597	31.44	47757.934	0.877	2.200		1.49	1.55	NO	145.3
	37	Total-pentafurans	339.8597	31.33	15432.282	0.877	0.711		1.46	1.55	NO	52.6
	37	Total-pentafurans	339.8597	31.09	892.598	0.877	0.041		1.49	1.55	NO	3.8
	37	Total-pentafurans	339.8597	30.57	4913.128	0.877	0.226		1.47	1.55	NO	16.1
	37	Total-pentafurans	339.8597	30.44	35309.436	0.877	1.626		1.63	1.55	NO	110.2
	2	12378-PeCDF	339.8597	30.24	50195.543	0.875	2.409	2.409	1.40	1.55	NO	150.6
	37	Total-pentafurans	339.8597	29.89	57884.561	0.877	2.666		1.53	1.55	NO	132.6
	37	Total-pentafurans	339.8597	29.76	3508.620	0.877	0.162		1.57	1.55	NO	12.7

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HF

		Name										
	38	Total-hexafurans	373.8208	36.37	54993.737	1.030	2.487		0.97	1.24	YES	109.3
	38	Total-hexafurans	373.8208	36.02	2563.524	1.030	0.116		1.55	1.24	YES	5.4
	38	Total-hexafurans	373.8208	35.82	5294.645	1.030	0.239		1.35	1.24	NO	10.3
	6	123678-HxCDF	373.8208	35.46	88049.774	1.025	3.847	3.847	1.23	1.24	NO	151.9
	4	123478-HxCDF	373.8208	35.31	205657.218	1.048	9.056	9.056	1.21	1.24	NO	350.5
	38	Total-hexafurans	373.8208	35.13	13169.994	1.030	0.596		1.17	1.24	NO	22.4
	38	Total-hexafurans	373.8208	34.65	2395091.750	1.030	108.312		1.18	1.24	NO	3932.3
	38	Total-hexafurans	373.8208	34.33	15253.121	1.030	0.690		1.23	1.24	NO	22.5
	38	Total-hexafurans	373.8208	33.79	1136832.344	1.030	51.410		1.19	1.24	NO	1865.4
	38	Total-hexafurans	373.8208	33.57	382153.032	1.030	17.282		1.17	1.24	NO	637.3
	7	123789-HxCDF	373.8208	37.51	91819.102	0.959	4.363	4.363	1.17	1.24	NO	156.3
	5	234678-HxCDF	373.8208	36.41	76266.156	1.088	3.518	3.518	1.16	1.24	NO	110.7

HPF

		Name	Fre...	RT	Area							
	39	Total-heptafurans	407.7818	40.19	44181.357	1.207	2.909		0.83	1.05	YES	129.2
	8	1234678-HpCDF	407.7818	39.63	1828558.063	1.215	107.602	107....	0.99	1.05	NO	6275.3
	9	1234789-HpCDF	407.7818	42.31	122269.610	1.200	9.124	9.124	0.99	1.05	NO	339.9
	39	Total-heptafurans	407.7818	41.44	9261.409	1.207	0.610		1.22	1.05	YES	31.8
	39	Total-heptafurans	407.7818	40.42	5057836.500	1.207	333.039		1.00	1.05	NO	17102.2

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

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Furans,TF,PP,PF,HF,HPF,OF

[redacted]	35	Total-tetrafurans	303.9016	24.84	2546.873	0.867	0.273		0.64	0.77	YES	12.8
[redacted]	35	Total-tetrafurans	303.9016	24.75	15729.977	0.867	1.686		0.79	0.77	NO	58.4
[redacted]	35	Total-tetrafurans	303.9016	24.08	3874.050	0.867	0.415		0.72	0.77	NO	16.2
[redacted]	35	Total-tetrafurans	303.9016	23.61	4431.627	0.867	0.475		1.90	0.77	YES	16.9
[redacted]	35	Total-tetrafurans	303.9016	23.43	26392.936	0.867	2.829		0.76	0.77	NO	109.8
[redacted]	35	Total-tetrafurans	303.9016	22.85	2962.191	0.867	0.318		0.69	0.77	NO	12.7
[redacted]	40	Total-Furans	303.9016	28.20	310.616	1.022	0.028		2.61	0.77	YES	2.5
[redacted]	35	Total-tetrafurans	303.9016	27.54	10633.204	0.867	1.140		0.63	0.77	YES	28.6
[redacted]	35	Total-tetrafurans	303.9016	26.32	9647.493	0.867	1.034		1.01	0.77	YES	49.4
[redacted]	35	Total-tetrafurans	303.9016	26.21	11261.832	0.867	1.207		0.72	0.77	NO	54.0
[redacted]	1	2378-TCDF	303.9016	26.09	16292.959	0.867	1.747	1.747	0.76	0.77	NO	70.6
[redacted]	35	Total-tetrafurans	303.9016	25.85	8413.205	0.867	0.902		0.71	0.77	NO	25.6
[redacted]	35	Total-tetrafurans	303.9016	25.60	7522.543	0.867	0.806		0.75	0.77	NO	30.8
[redacted]	35	Total-tetrafurans	303.9016	25.17	11611.096	0.867	1.245		0.72	0.77	NO	51.9
[redacted]	35	Total-tetrafurans	303.9016	24.99	8334.619	0.867	0.893		0.80	0.77	NO	39.8
[redacted]	37	Total-pentafurans	339.8597	29.67	5092.695	0.877	0.235		1.41	1.55	NO	18.0
[redacted]	37	Total-pentafurans	339.8597	29.17	81298.016	0.877	3.745		1.51	1.55	NO	251.8
[redacted]	37	Total-pentafurans	339.8597	29.10	41526.715	0.877	1.913		1.29	1.55	YES	134.0
[redacted]	37	Total-pentafurans	339.8597	28.97	20743.970	0.877	0.955		1.58	1.55	NO	47.2
[redacted]	37	Total-pentafurans	339.8597	28.87	5896.532	0.877	0.272		1.89	1.55	YES	22.5
[redacted]	37	Total-pentafurans	339.8597	32.63	8252.745	0.877	0.380		1.32	1.55	NO	21.5
[redacted]	3	23478-PeCDF	339.8597	31.60	50271.255	0.880	2.226	2.226	1.49	1.55	NO	145.5
[redacted]	37	Total-pentafurans	339.8597	31.44	47757.934	0.877	2.200		1.49	1.55	NO	145.3
[redacted]	37	Total-pentafurans	339.8597	31.33	15432.282	0.877	0.711		1.46	1.55	NO	52.6
[redacted]	37	Total-pentafurans	339.8597	31.09	892.598	0.877	0.041		1.49	1.55	NO	3.8
[redacted]	37	Total-pentafurans	339.8597	30.57	4913.128	0.877	0.226		1.47	1.55	NO	16.1
[redacted]	37	Total-pentafurans	339.8597	30.44	35309.436	0.877	1.626		1.63	1.55	NO	110.2
[redacted]	2	12378-PeCDF	339.8597	30.24	50195.543	0.875	2.409	2.409	1.40	1.55	NO	150.6
[redacted]	37	Total-pentafurans	339.8597	29.89	57884.561	0.877	2.666		1.53	1.55	NO	132.6
[redacted]	37	Total-pentafurans	339.8597	29.76	3508.620	0.877	0.162		1.57	1.55	NO	12.7
[redacted]	38	Total-hexafurans	373.8208	36.37	54993.737	1.030	2.487		0.97	1.24	YES	109.3
[redacted]	38	Total-hexafurans	373.8208	36.02	2563.524	1.030	0.116		1.55	1.24	YES	5.4
[redacted]	38	Total-hexafurans	373.8208	35.82	5294.645	1.030	0.239		1.35	1.24	NO	10.3
[redacted]	6	123678-HxCDF	373.8208	35.46	88049.774	1.025	3.847	3.847	1.23	1.24	NO	151.9
[redacted]	4	123478-HxCDF	373.8208	35.31	205657.218	1.048	9.056	9.056	1.21	1.24	NO	350.5
[redacted]	38	Total-hexafurans	373.8208	35.13	13169.994	1.030	0.596		1.17	1.24	NO	22.4
[redacted]	38	Total-hexafurans	373.8208	34.65	2395091.750	1.030	108.312		1.18	1.24	NO	3932.3
[redacted]	38	Total-hexafurans	373.8208	34.33	15253.121	1.030	0.690		1.23	1.24	NO	22.5
[redacted]	38	Total-hexafurans	373.8208	33.79	1136832.344	1.030	51.410		1.19	1.24	NO	1865.4
[redacted]	38	Total-hexafurans	373.8208	33.57	382153.032	1.030	17.282		1.17	1.24	NO	637.3
[redacted]	7	123789-HxCDF	373.8208	37.51	91819.102	0.959	4.363	4.363	1.17	1.24	NO	156.3
[redacted]	5	234678-HxCDF	373.8208	36.41	76266.156	1.088	3.518	3.518	1.16	1.24	NO	110.7
[redacted]	39	Total-heptafurans	407.7818	40.19	44181.357	1.207	2.909		0.83	1.05	YES	129.2
[redacted]	8	1234678-HpCDF	407.7818	39.63	1828558.063	1.215	107.602	107....	0.99	1.05	NO	6275.3
[redacted]	9	1234789-HpCDF	407.7818	42.31	122269.610	1.200	9.124	9.124	0.99	1.05	NO	339.9
[redacted]	39	Total-heptafurans	407.7818	41.44	9261.409	1.207	0.610		1.22	1.05	YES	31.8
[redacted]	39	Total-heptafurans	407.7818	40.42	5057836.500	1.207	333.039		1.00	1.05	NO	17102.2
[redacted]	10	OCDF	441.7428	47.68	2517239.625	1.064	333.574	333....	0.86	0.89	NO	7470.6
[redacted]	36	Total-penta1	339.8597	27.51	519371.391		22.881		1.56	1.55	NO	4508.8

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TD

	41	Total-tetradioxins	319.8965	23.87	40363.565	0.994	3.463		0.72	0.77	NO	250.0
	41	Total-tetradioxins	319.8965	27.30	2915.954	0.994	0.250		0.71	0.77	NO	13.3
	41	Total-tetradioxins	319.8965	26.84	6388.076	0.994	0.548		0.85	0.77	NO	41.6
	11	2378-TCDD	319.8965	26.74	5340.686	0.994	0.458	0.458	0.71	0.77	NO	26.6
	41	Total-tetradioxins	319.8965	26.36	17242.649	0.994	1.479		0.69	0.77	NO	82.4
	41	Total-tetradioxins	319.8965	26.05	1228.597	0.994	0.105		0.88	0.77	NO	7.9
	41	Total-tetradioxins	319.8965	25.90	7620.430	0.994	0.654		0.87	0.77	NO	54.6
	41	Total-tetradioxins	319.8965	25.70	7358.717	0.994	0.631		0.65	0.77	YES	41.4
	41	Total-tetradioxins	319.8965	25.60	762.851	0.994	0.065		0.96	0.77	YES	6.9
	41	Total-tetradioxins	319.8965	25.35	14309.716	0.994	1.228		0.79	0.77	NO	85.8
	41	Total-tetradioxins	319.8965	25.06	5992.087	0.994	0.514		0.76	0.77	NO	32.8
	41	Total-tetradioxins	319.8965	24.87	588.040	0.994	0.050		1.27	0.77	YES	6.0
	41	Total-tetradioxins	319.8965	24.36	1240.355	0.994	0.106		0.44	0.77	YES	5.1
	41	Total-tetradioxins	319.8965	24.12	46324.196	0.994	3.975		0.75	0.77	NO	284.4

PD

	42	Total-pentadioxins	355.8546	32.25	10500.093	0.976	0.632		1.40	1.55	NO	47.6
	12	12378-PeCDD	355.8546	31.85	45869.596	0.976	2.762	2.762	1.54	1.55	NO	192.0
	42	Total-pentadioxins	355.8546	31.17	43389.740	0.976	2.613		1.38	1.55	NO	180.1
	42	Total-pentadioxins	355.8546	30.78	49606.271	0.976	2.988		1.39	1.55	NO	182.8
	42	Total-pentadioxins	355.8546	30.62	127404.594	0.976	7.673		1.47	1.55	NO	618.9
	42	Total-pentadioxins	355.8546	30.47	32058.399	0.976	1.931		1.47	1.55	NO	149.7
	42	Total-pentadioxins	355.8546	30.39	13165.642	0.976	0.793		1.45	1.55	NO	68.0
	42	Total-pentadioxins	355.8546	30.26	114655.242	0.976	6.905		1.60	1.55	NO	552.0
	42	Total-pentadioxins	355.8546	29.64	70190.142	0.976	4.227		1.55	1.55	NO	330.9
	42	Total-pentadioxins	355.8546	29.15	154397.188	0.976	9.299		1.52	1.55	NO	465.8

HD

	15	123789-HxCDD	389.8157	37.12	184445.625	0.914	10.448	10.448	1.23	1.24	NO	244.7
	43	Total-hexadioxins	389.8157	36.87	183655.757	0.928	10.251		1.23	1.24	NO	234.0
	14	123678-HxCDD	389.8157	36.68	597246.188	0.902	34.276	34.276	1.25	1.24	NO	790.6
	13	123478-HxCDD	389.8157	36.55	96807.895	0.967	5.186	5.186	1.23	1.24	NO	133.1
	43	Total-hexadioxins	389.8157	35.69	802061.407	0.928	44.770		1.25	1.24	NO	1057.4
	43	Total-hexadioxins	389.8157	35.54	3613407.625	0.928	201.697		1.24	1.24	NO	2705.0
	43	Total-hexadioxins	389.8157	35.19	813660.938	0.928	45.418		1.23	1.24	NO	1121.0
	43	Total-hexadioxins	389.8157	34.38	6416015.250	0.928	358.136		1.24	1.24	NO	8447.1

HPD

	16	1234678-HpCDD	423.7766	41.44	21955668....	0.999	1473.6...	1473...	1.03	1.05	NO	13607.6
	44	Total-heptadioxins	423.7766	40.19	81465480....	0.999	5467.9...		1.03	1.05	NO	53103.6

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Dioxins,TD,PD,HD,HPD,OD

	41	Total-tetradioxins	319.8965	23.87	40363.565	0.994	3.463		0.72	0.77	NO	250.0
	41	Total-tetradioxins	319.8965	27.30	2915.954	0.994	0.250		0.71	0.77	NO	13.3
	41	Total-tetradioxins	319.8965	26.84	6388.076	0.994	0.548		0.85	0.77	NO	41.6
	11	2378-TCDD	319.8965	26.74	5340.686	0.994	0.458	0.458	0.71	0.77	NO	26.6
	41	Total-tetradioxins	319.8965	26.36	17242.649	0.994	1.479		0.69	0.77	NO	82.4
	41	Total-tetradioxins	319.8965	26.05	1228.597	0.994	0.105		0.88	0.77	NO	7.9
	41	Total-tetradioxins	319.8965	25.90	7620.430	0.994	0.654		0.87	0.77	NO	54.6
	41	Total-tetradioxins	319.8965	25.70	7358.717	0.994	0.631		0.65	0.77	YES	41.4
	41	Total-tetradioxins	319.8965	25.60	762.851	0.994	0.065		0.96	0.77	YES	6.9
	41	Total-tetradioxins	319.8965	25.35	14309.716	0.994	1.228		0.79	0.77	NO	85.8
	41	Total-tetradioxins	319.8965	25.06	5992.087	0.994	0.514		0.76	0.77	NO	32.8
	41	Total-tetradioxins	319.8965	24.87	588.040	0.994	0.050		1.27	0.77	YES	6.0
	41	Total-tetradioxins	319.8965	24.36	1240.355	0.994	0.106		0.44	0.77	YES	5.1
	41	Total-tetradioxins	319.8965	24.12	46324.196	0.994	3.975		0.75	0.77	NO	284.4
	42	Total-pentadioxins	355.8546	32.25	10500.093	0.976	0.632		1.40	1.55	NO	47.6
	12	12378-PeCDD	355.8546	31.85	45869.596	0.976	2.762	2.762	1.54	1.55	NO	192.0
	42	Total-pentadioxins	355.8546	31.17	43389.740	0.976	2.613		1.38	1.55	NO	180.1
	42	Total-pentadioxins	355.8546	30.78	49606.271	0.976	2.988		1.39	1.55	NO	182.8
	42	Total-pentadioxins	355.8546	30.62	127404.594	0.976	7.673		1.47	1.55	NO	618.9
	42	Total-pentadioxins	355.8546	30.47	32058.399	0.976	1.931		1.47	1.55	NO	149.7
	42	Total-pentadioxins	355.8546	30.39	13165.642	0.976	0.793		1.45	1.55	NO	68.0
	42	Total-pentadioxins	355.8546	30.26	114655.242	0.976	6.905		1.60	1.55	NO	552.0
	42	Total-pentadioxins	355.8546	29.64	70190.142	0.976	4.227		1.55	1.55	NO	330.9
	42	Total-pentadioxins	355.8546	29.15	154397.188	0.976	9.299		1.52	1.55	NO	465.8
	15	123789-HxCDD	389.8157	37.12	184445.625	0.914	10.448	10.448	1.23	1.24	NO	244.7
	43	Total-hexadioxins	389.8157	36.87	183655.757	0.928	10.251		1.23	1.24	NO	234.0
	14	123678-HxCDD	389.8157	36.68	597246.188	0.902	34.276	34.276	1.25	1.24	NO	790.6
	13	123478-HxCDD	389.8157	36.55	96807.895	0.967	5.186	5.186	1.23	1.24	NO	133.1
	43	Total-hexadioxins	389.8157	35.69	802061.407	0.928	44.770		1.25	1.24	NO	1057.4
	43	Total-hexadioxins	389.8157	35.54	3613407.625	0.928	201.697		1.24	1.24	NO	2705.0
	43	Total-hexadioxins	389.8157	35.19	813660.938	0.928	45.418		1.23	1.24	NO	1121.0
	43	Total-hexadioxins	389.8157	34.38	6416015.250	0.928	358.136		1.24	1.24	NO	8447.1
	17	OCDD	457.7377	47.42	70790078....	0.979	10196....	1019...	0.89	0.89	NO	78946.1
	16	1234678-HpCDD	423.7766	41.44	21955668....	0.999	1473.6...	1473...	1.03	1.05	NO	13607.6
	44	Total-heptadioxins	423.7766	40.19	81465480....	0.999	5467.9...		1.03	1.05	NO	53103.6

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
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TotalTEQ,Furans,Dioxins

	35 Total-tetrafurans	303.9016	24.84	2546.873	0.867	0.273		0.64	0.77	YES	12.8
	35 Total-tetrafurans	303.9016	24.75	15729.977	0.867	1.686		0.79	0.77	NO	58.4
	35 Total-tetrafurans	303.9016	24.08	3874.050	0.867	0.415		0.72	0.77	NO	16.2
	35 Total-tetrafurans	303.9016	23.61	4431.627	0.867	0.475		1.90	0.77	YES	16.9
	35 Total-tetrafurans	303.9016	23.43	26392.936	0.867	2.829		0.76	0.77	NO	109.8
	35 Total-tetrafurans	303.9016	22.85	2962.191	0.867	0.318		0.69	0.77	NO	12.7
	40 Total-Furans	303.9016	28.20	310.616	1.022	0.028		2.61	0.77	YES	2.5
	35 Total-tetrafurans	303.9016	27.54	10633.204	0.867	1.140		0.63	0.77	YES	28.6
	35 Total-tetrafurans	303.9016	26.32	9647.493	0.867	1.034		1.01	0.77	YES	49.4
	35 Total-tetrafurans	303.9016	26.21	11261.832	0.867	1.207		0.72	0.77	NO	54.0
	1 2378-TCDF	303.9016	26.09	16292.959	0.867	1.747	1.747	0.76	0.77	NO	70.6
	35 Total-tetrafurans	303.9016	25.85	8413.205	0.867	0.902		0.71	0.77	NO	25.6
	35 Total-tetrafurans	303.9016	25.60	7522.543	0.867	0.806		0.75	0.77	NO	30.8
	35 Total-tetrafurans	303.9016	25.17	11611.096	0.867	1.245		0.72	0.77	NO	51.9
	35 Total-tetrafurans	303.9016	24.99	8334.619	0.867	0.893		0.80	0.77	NO	39.8
	37 Total-pentafurans	339.8597	29.67	5092.695	0.877	0.235		1.41	1.55	NO	18.0
	37 Total-pentafurans	339.8597	29.17	81298.016	0.877	3.745		1.51	1.55	NO	251.8
	37 Total-pentafurans	339.8597	29.10	41526.715	0.877	1.913		1.29	1.55	YES	134.0
	37 Total-pentafurans	339.8597	28.97	20743.970	0.877	0.955		1.58	1.55	NO	47.2
	37 Total-pentafurans	339.8597	28.87	5896.532	0.877	0.272		1.89	1.55	YES	22.5
	37 Total-pentafurans	339.8597	32.63	8252.745	0.877	0.380		1.32	1.55	NO	21.5
	3 23478-PeCDF	339.8597	31.60	50271.255	0.880	2.226	2.226	1.49	1.55	NO	145.5
	37 Total-pentafurans	339.8597	31.44	47757.934	0.877	2.200		1.49	1.55	NO	145.3
	37 Total-pentafurans	339.8597	31.33	15432.282	0.877	0.711		1.46	1.55	NO	52.6
	37 Total-pentafurans	339.8597	31.09	892.598	0.877	0.041		1.49	1.55	NO	3.8
	37 Total-pentafurans	339.8597	30.57	4913.128	0.877	0.226		1.47	1.55	NO	16.1
	37 Total-pentafurans	339.8597	30.44	35309.436	0.877	1.626		1.63	1.55	NO	110.2
	2 12378-PeCDF	339.8597	30.24	50195.543	0.875	2.409	2.409	1.40	1.55	NO	150.6
	37 Total-pentafurans	339.8597	29.89	57884.561	0.877	2.666		1.53	1.55	NO	132.6
	37 Total-pentafurans	339.8597	29.76	3508.620	0.877	0.162		1.57	1.55	NO	12.7
	38 Total-hexafurans	373.8208	36.37	54993.737	1.030	2.487		0.97	1.24	YES	109.3
	38 Total-hexafurans	373.8208	36.02	2563.524	1.030	0.116		1.55	1.24	YES	5.4
	38 Total-hexafurans	373.8208	35.82	5294.645	1.030	0.239		1.35	1.24	NO	10.3
	6 123678-HxCDF	373.8208	35.46	88049.774	1.025	3.847	3.847	1.23	1.24	NO	151.9
	4 123478-HxCDF	373.8208	35.31	205657.218	1.048	9.056	9.056	1.21	1.24	NO	350.5
	38 Total-hexafurans	373.8208	35.13	13169.994	1.030	0.596		1.17	1.24	NO	22.4
	38 Total-hexafurans	373.8208	34.65	2395091.750	1.030	108.312		1.18	1.24	NO	3932.3
	38 Total-hexafurans	373.8208	34.33	15253.121	1.030	0.690		1.23	1.24	NO	22.5
	38 Total-hexafurans	373.8208	33.79	1136832.344	1.030	51.410		1.19	1.24	NO	1865.4
	38 Total-hexafurans	373.8208	33.57	382153.032	1.030	17.282		1.17	1.24	NO	637.3
	7 123789-HxCDF	373.8208	37.51	91819.102	0.959	4.363	4.363	1.17	1.24	NO	156.3
	5 234678-HxCDF	373.8208	36.41	76266.156	1.088	3.518	3.518	1.16	1.24	NO	110.7
	39 Total-heptafurans	407.7818	40.19	44181.357	1.207	2.909		0.83	1.05	YES	129.2
	8 1234678-HpCDF	407.7818	39.63	1828558.063	1.215	107.602	107....	0.99	1.05	NO	6275.3
	9 1234789-HpCDF	407.7818	42.31	122269.610	1.200	9.124	9.124	0.99	1.05	NO	339.9
	39 Total-heptafurans	407.7818	41.44	9261.409	1.207	0.610		1.22	1.05	YES	31.8
	39 Total-heptafurans	407.7818	40.42	5057836.500	1.207	333.039		1.00	1.05	NO	17102.2
	10 OCDF	441.7428	47.68	2517239.625	1.064	333.574	333....	0.86	0.89	NO	7470.6
	36 Total-penta1	339.8597	27.51	519371.391		22.881		1.56	1.55	NO	4508.8

Quantify Totals Report MassLynx 4.1 SCN 714
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
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TotalTEQ,Furans,Dioxins

	41 Total-tetradioxins	319.8965	23.87	40363.565	0.994	3.463		0.72	0.77	NO	250.0
	41 Total-tetradioxins	319.8965	27.30	2915.954	0.994	0.250		0.71	0.77	NO	13.3
	41 Total-tetradioxins	319.8965	26.84	6388.076	0.994	0.548		0.85	0.77	NO	41.6
	11 2378-TCDD	319.8965	26.74	5340.686	0.994	0.458	0.458	0.71	0.77	NO	26.6
	41 Total-tetradioxins	319.8965	26.36	17242.649	0.994	1.479		0.69	0.77	NO	82.4
	41 Total-tetradioxins	319.8965	26.05	1228.597	0.994	0.105		0.88	0.77	NO	7.9
	41 Total-tetradioxins	319.8965	25.90	7620.430	0.994	0.654		0.87	0.77	NO	54.6
	41 Total-tetradioxins	319.8965	25.70	7358.717	0.994	0.631		0.65	0.77	YES	41.4
	41 Total-tetradioxins	319.8965	25.60	762.851	0.994	0.065		0.96	0.77	YES	6.9
	41 Total-tetradioxins	319.8965	25.35	14309.716	0.994	1.228		0.79	0.77	NO	85.8
	41 Total-tetradioxins	319.8965	25.06	5992.087	0.994	0.514		0.76	0.77	NO	32.8
	41 Total-tetradioxins	319.8965	24.87	588.040	0.994	0.050		1.27	0.77	YES	6.0
	41 Total-tetradioxins	319.8965	24.36	1240.355	0.994	0.106		0.44	0.77	YES	5.1
	41 Total-tetradioxins	319.8965	24.12	46324.196	0.994	3.975		0.75	0.77	NO	284.4
	42 Total-pentadioxins	355.8546	32.25	10500.093	0.976	0.632		1.40	1.55	NO	47.6
	12 12378-PeCDD	355.8546	31.85	45869.596	0.976	2.762	2.762	1.54	1.55	NO	192.0
	42 Total-pentadioxins	355.8546	31.17	43389.740	0.976	2.613		1.38	1.55	NO	180.1
	42 Total-pentadioxins	355.8546	30.78	49606.271	0.976	2.988		1.39	1.55	NO	182.8
	42 Total-pentadioxins	355.8546	30.62	127404.594	0.976	7.673		1.47	1.55	NO	618.9
	42 Total-pentadioxins	355.8546	30.47	32058.399	0.976	1.931		1.47	1.55	NO	149.7
	42 Total-pentadioxins	355.8546	30.39	13165.642	0.976	0.793		1.45	1.55	NO	68.0
	42 Total-pentadioxins	355.8546	30.26	114655.242	0.976	6.905		1.60	1.55	NO	552.0
	42 Total-pentadioxins	355.8546	29.64	70190.142	0.976	4.227		1.55	1.55	NO	330.9
	42 Total-pentadioxins	355.8546	29.15	154397.188	0.976	9.299		1.52	1.55	NO	465.8
	15 123789-HxCDD	389.8157	37.12	184445.625	0.914	10.448	10.448	1.23	1.24	NO	244.7
	43 Total-hexadioxins	389.8157	36.87	183655.757	0.928	10.251		1.23	1.24	NO	234.0
	14 123678-HxCDD	389.8157	36.68	597246.188	0.902	34.276	34.276	1.25	1.24	NO	790.6
	13 123478-HxCDD	389.8157	36.55	96807.895	0.967	5.186	5.186	1.23	1.24	NO	133.1
	43 Total-hexadioxins	389.8157	35.69	802061.407	0.928	44.770		1.25	1.24	NO	1057.4
	43 Total-hexadioxins	389.8157	35.54	3613407.625	0.928	201.697		1.24	1.24	NO	2705.0
	43 Total-hexadioxins	389.8157	35.19	813660.938	0.928	45.418		1.23	1.24	NO	1121.0
	43 Total-hexadioxins	389.8157	34.38	6416015.250	0.928	358.136		1.24	1.24	NO	8447.1
	17 OCDD	457.7377	47.42	70790078....	0.979	10196....	1019...	0.89	0.89	NO	78946.1
	16 1234678-HpCDD	423.7766	41.44	21955668....	0.999	1473.6...	1473...	1.03	1.05	NO	13607.6
	44 Total-heptadioxins	423.7766	40.19	81465480....	0.999	5467.9...		1.03	1.05	NO	53103.6

PFK1

	48 FUNCTION1 PFK	330.9792	24.54	0.000							6.2
	48 FUNCTION1 PFK	330.9792	23.49	0.000							5.9
	48 FUNCTION1 PFK	330.9792	23.03	0.000							3.7
	48 FUNCTION1 PFK	330.9792	21.55	0.000							5.4
	48 FUNCTION1 PFK	330.9792	21.43	0.000							4.3

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PFK2

[redacted]	49	FUNCTION2 PFK	366.9792	28.69	0.000	0.000				18.2
[redacted]	49	FUNCTION2 PFK	366.9792	28.57	0.000	0.000				20.0
[redacted]	49	FUNCTION2 PFK	366.9792	28.43	0.000	0.000				22.6
[redacted]	49	FUNCTION2 PFK	366.9792	28.37	0.000	0.000				24.0
[redacted]	49	FUNCTION2 PFK	366.9792	30.18	0.000	0.000				0.3
[redacted]	49	FUNCTION2 PFK	366.9792	30.15	0.000	0.000				0.5
[redacted]	49	FUNCTION2 PFK	366.9792	30.08	0.000	0.000				1.9
[redacted]	49	FUNCTION2 PFK	366.9792	30.04	0.000	0.000				3.0
[redacted]	49	FUNCTION2 PFK	366.9792	29.83	0.000	0.000				1.5
[redacted]	49	FUNCTION2 PFK	366.9792	29.74	0.000	0.000				0.6
[redacted]	49	FUNCTION2 PFK	366.9792	29.61	0.000	0.000				2.7
[redacted]	49	FUNCTION2 PFK	366.9792	29.55	0.000	0.000				2.1
[redacted]	49	FUNCTION2 PFK	366.9792	29.43	0.000	0.000				4.7
[redacted]	49	FUNCTION2 PFK	366.9792	29.32	0.000	0.000				7.3
[redacted]	49	FUNCTION2 PFK	366.9792	29.28	0.000	0.000				8.1
[redacted]	49	FUNCTION2 PFK	366.9792	29.26	0.000	0.000				8.0
[redacted]	49	FUNCTION2 PFK	366.9792	29.07	0.000	0.000				12.3
[redacted]	49	FUNCTION2 PFK	366.9792	28.97	0.000	0.000				13.7
[redacted]	49	FUNCTION2 PFK	366.9792	28.89	0.000	0.000				14.9
[redacted]	49	FUNCTION2 PFK	366.9792	28.84	0.000	0.000				15.9
[redacted]	49	FUNCTION2 PFK	366.9792	32.12	0.000	0.000				1.8
[redacted]	49	FUNCTION2 PFK	366.9792	32.06	0.000	0.000				2.1
[redacted]	49	FUNCTION2 PFK	366.9792	31.72	0.000	0.000				1.8
[redacted]	49	FUNCTION2 PFK	366.9792	31.61	0.000	0.000				2.5
[redacted]	49	FUNCTION2 PFK	366.9792	31.52	0.000	0.000				1.7
[redacted]	49	FUNCTION2 PFK	366.9792	31.37	0.000	0.000				2.3
[redacted]	49	FUNCTION2 PFK	366.9792	31.32	0.000	0.000				2.3
[redacted]	49	FUNCTION2 PFK	366.9792	31.29	0.000	0.000				2.2
[redacted]	49	FUNCTION2 PFK	366.9792	30.96	0.000	0.000				3.1
[redacted]	49	FUNCTION2 PFK	366.9792	30.88	0.000	0.000				3.6
[redacted]	49	FUNCTION2 PFK	366.9792	30.72	0.000	0.000				0.4
[redacted]	49	FUNCTION2 PFK	366.9792	30.64	0.000	0.000				3.8
[redacted]	49	FUNCTION2 PFK	366.9792	30.58	0.000	0.000				2.3
[redacted]	49	FUNCTION2 PFK	366.9792	30.50	0.000	0.000				2.0
[redacted]	49	FUNCTION2 PFK	366.9792	30.39	0.000	0.000				1.5
[redacted]	49	FUNCTION2 PFK	366.9792	30.35	0.000	0.000				2.5
[redacted]	49	FUNCTION2 PFK	366.9792	32.83	0.000	0.000				1.1
[redacted]	49	FUNCTION2 PFK	366.9792	32.80	0.000	0.000				0.9
[redacted]	49	FUNCTION2 PFK	366.9792	32.50	0.000	0.000				0.7
[redacted]	49	FUNCTION2 PFK	366.9792	32.46	0.000	0.000				0.9
[redacted]	49	FUNCTION2 PFK	366.9792	32.43	0.000	0.000				0.6
[redacted]	49	FUNCTION2 PFK	366.9792	32.33	0.000	0.000				0.7
[redacted]	49	FUNCTION2 PFK	366.9792	32.28	0.000	0.000				0.4
[redacted]	49	FUNCTION2 PFK	366.9792	32.20	0.000	0.000				0.5

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'FK3

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	50	FUNCTION3 PFK	380.9760	37.72	0.000		0.000					11.9
	50	FUNCTION3 PFK	380.9760	37.63	0.000		0.000					15.9
	50	FUNCTION3 PFK	380.9760	37.51	0.000		0.000					17.5
	50	FUNCTION3 PFK	380.9760	37.40	0.000		0.000					19.3
	50	FUNCTION3 PFK	380.9760	34.17	0.000		0.000					3.5
	50	FUNCTION3 PFK	380.9760	33.68	0.000		0.000					8.2

'FK4

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	51	FUNCTION4 PFK	430.9728	39.23	0.000							3.8

'FK5

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N

:THERS1

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N

:THERS2

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	54	FUNCTION1 HPCD...	409.7974	24.11	0.000		0.000					2.8
	54	FUNCTION1 HPCD...	409.7974	23.43	0.000		0.000					4.2

:THERS3

	#	Name	Trace	RT	Abs Resp	RRT M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	55	FUNCTION2 HPCD...	409.7974	31.85	0.000		0.000					2.2
	55	FUNCTION2 HPCD...	409.7974	30.22	0.000		0.000					6.6
	55	FUNCTION2 HPCD...	409.7974	29.95	0.000		0.000					2.8
	55	FUNCTION2 HPCD...	409.7974	29.86	0.000		0.000					4.6
	55	FUNCTION2 HPCD...	409.7974	29.61	0.000		0.000					2.0
	55	FUNCTION2 HPCD...	409.7974	28.56	0.000		0.000					2.3

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ETHERS4

	#	Name	Mass	RT	Area Ratio	RF M...	pg	EMPC	1° Ratio	2° Ratio	Int.	S/N
	56	FUNCTION3 OCDPE	445.7555	35.08	0.000	0.000						2.8
	56	FUNCTION3 OCDPE	445.7555	34.99	0.000	0.000						4.8
	56	FUNCTION3 OCDPE	445.7555	37.68	0.000	0.000						2.3
	56	FUNCTION3 OCDPE	445.7555	37.11	0.000	0.000						3.8
	56	FUNCTION3 OCDPE	445.7555	36.95	0.000	0.000						3.1
	56	FUNCTION3 OCDPE	445.7555	36.88	0.000	0.000						6.8
	56	FUNCTION3 OCDPE	445.7555	36.77	0.000	0.000						7.4
	56	FUNCTION3 OCDPE	445.7555	36.71	0.000	0.000						2.2
	56	FUNCTION3 OCDPE	445.7555	36.62	0.000	0.000						2.2
	56	FUNCTION3 OCDPE	445.7555	36.47	0.000	0.000						3.7
	56	FUNCTION3 OCDPE	445.7555	36.41	0.000	0.000						3.2
	56	FUNCTION3 OCDPE	445.7555	36.35	0.000	0.000						2.6
	56	FUNCTION3 OCDPE	445.7555	35.21	0.000	0.000						3.7

ETHERS5

	#	Name	Mass	RT	Area Ratio	RF M...	pg	EMPC	1° Ratio	2° Ratio	Int.	S/N
	57	FUNCTION4 NCDPE	479.7165	41.07	0.000	0.000						7.8
	57	FUNCTION4 NCDPE	479.7165	41.04	0.000	0.000						10.0
	57	FUNCTION4 NCDPE	479.7165	40.19	0.000	0.000						6.5
	57	FUNCTION4 NCDPE	479.7165	39.16	0.000	0.000						42.4
	57	FUNCTION4 NCDPE	479.7165	41.83	0.000	0.000						2.9
	57	FUNCTION4 NCDPE	479.7165	41.73	0.000	0.000						6.4
	57	FUNCTION4 NCDPE	479.7165	41.66	0.000	0.000						4.8
	57	FUNCTION4 NCDPE	479.7165	41.60	0.000	0.000						3.7
	57	FUNCTION4 NCDPE	479.7165	41.43	0.000	0.000						35.5
	57	FUNCTION4 NCDPE	479.7165	41.29	0.000	0.000						3.7
	57	FUNCTION4 NCDPE	479.7165	41.24	0.000	0.000						6.5
	57	FUNCTION4 NCDPE	479.7165	41.16	0.000	0.000						8.7

ETHERS6

	#	Name	Mass	RT	Area Ratio	RF M...	pg	EMPC	1° Ratio	2° Ratio	Int.	S/N
	58	FUNCTION5 DCDPE	513.6775	48.11	0.000	0.000						11.0
	58	FUNCTION5 DCDPE	513.6775	47.65	0.000	0.000						5.5
	58	FUNCTION5 DCDPE	513.6775	47.59	0.000	0.000						6.0
	58	FUNCTION5 DCDPE	513.6775	47.56	0.000	0.000						5.5
	58	FUNCTION5 DCDPE	513.6775	47.41	0.000	0.000						10.7

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

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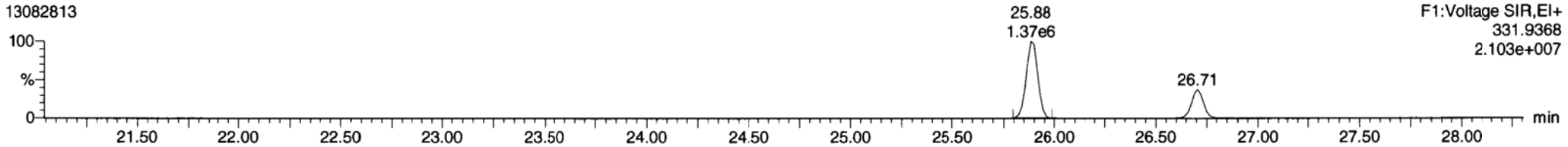
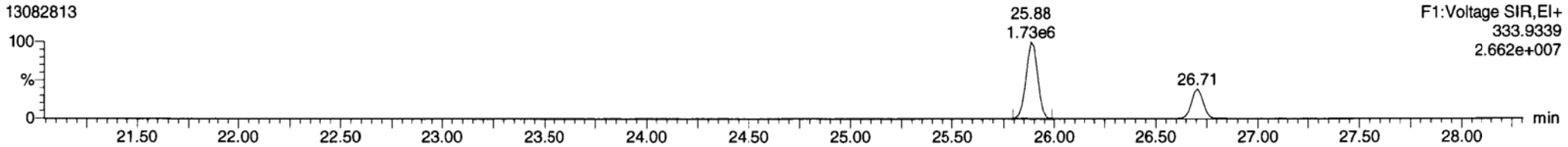
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

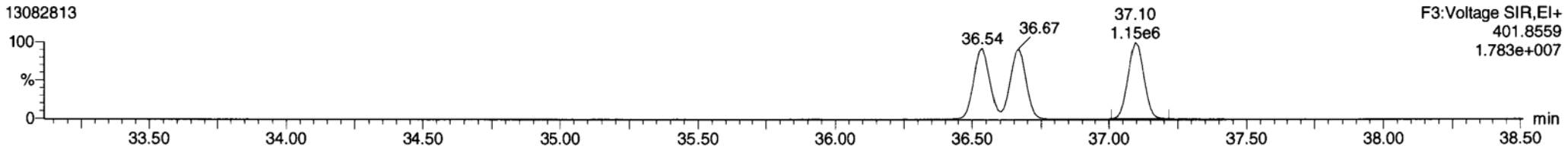
13C-1234-TCDD



13C-1234-TCDD



13C-123789-HxCDD



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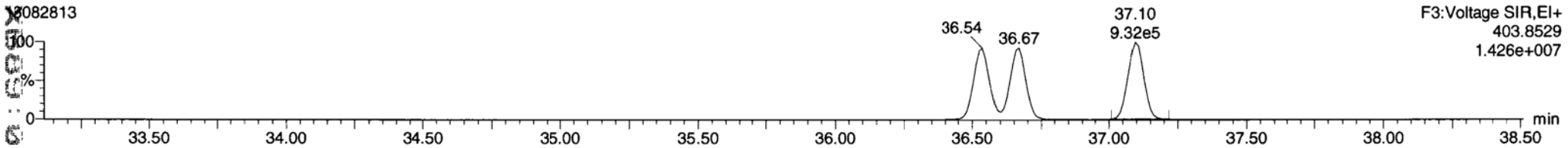
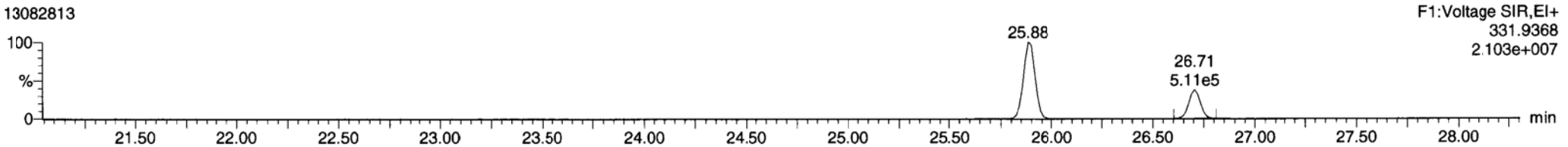


Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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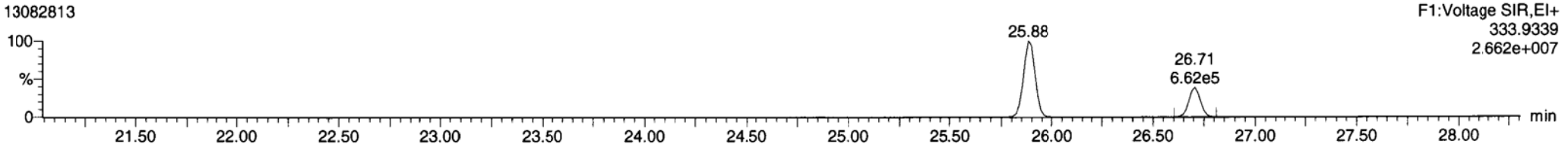
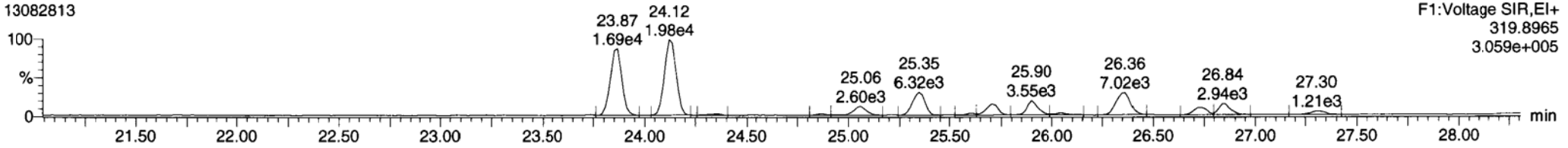
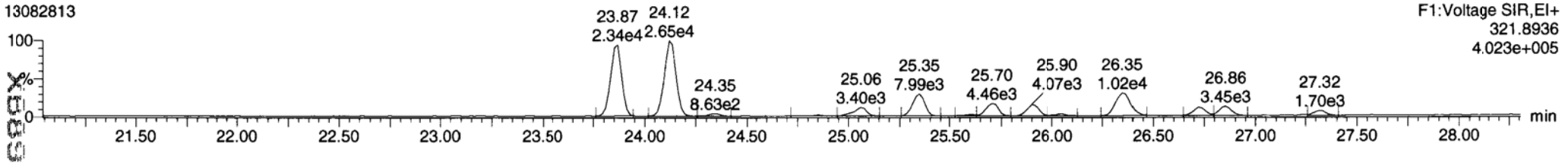


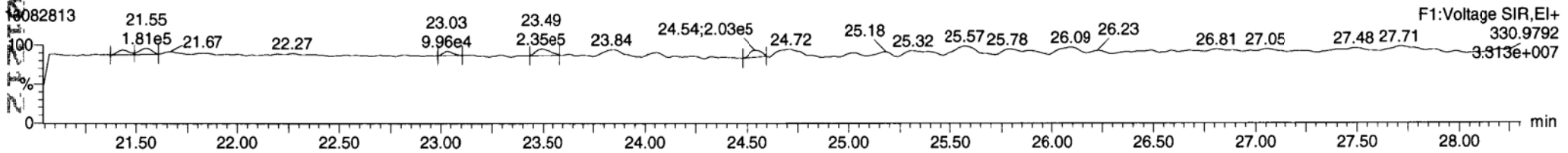
Total-tetradioxins



Total-tetradioxins



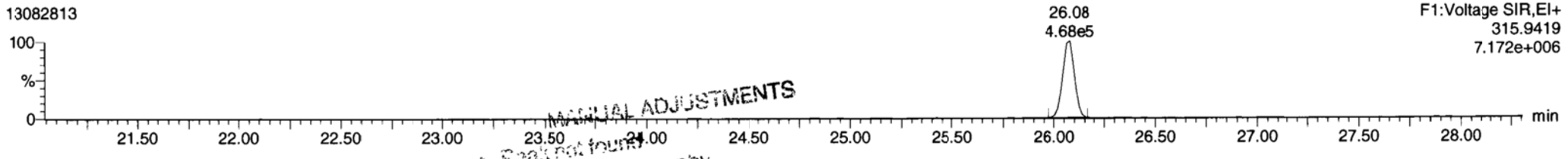
FUNCTION1 PFK



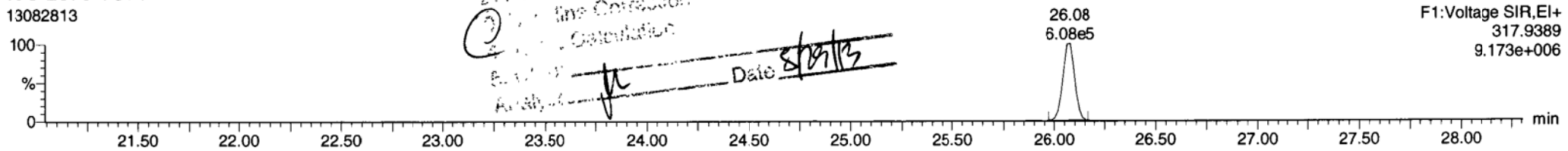
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

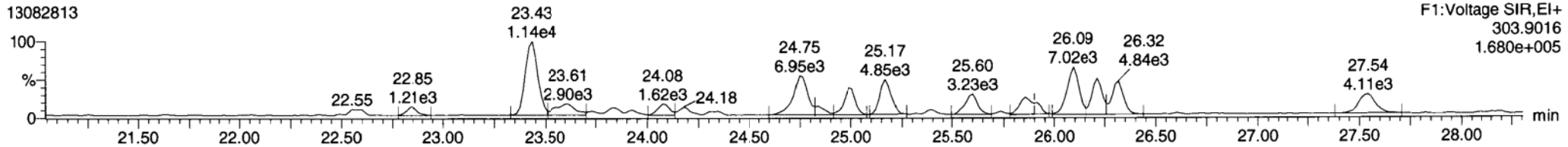
13C-2378-TCDF



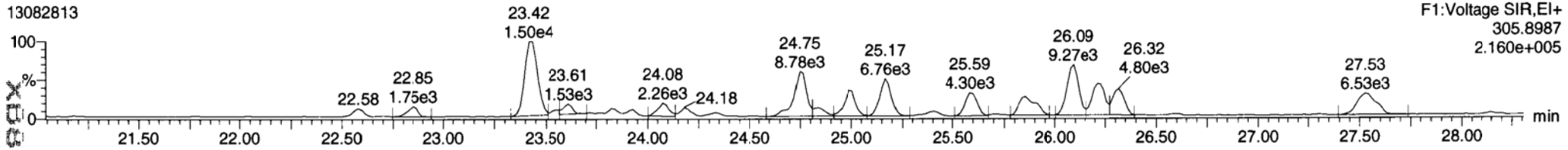
13C-2378-TCDF



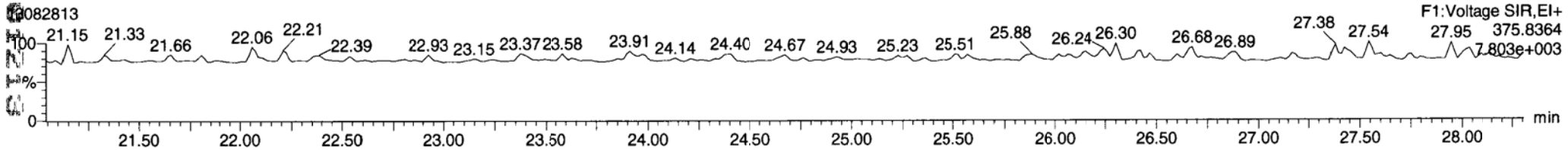
Total-tetrafurans



Total-tetrafurans



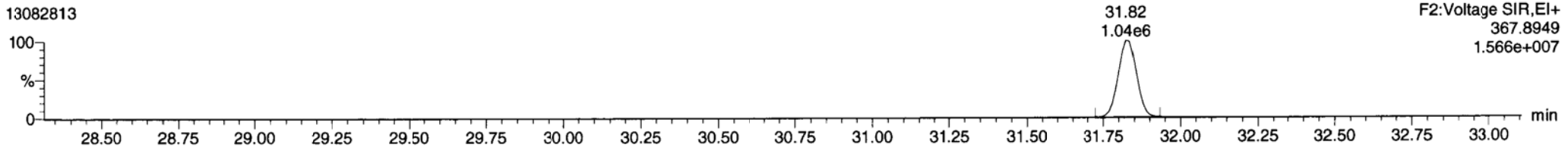
FUNCTION1 HXCDPE



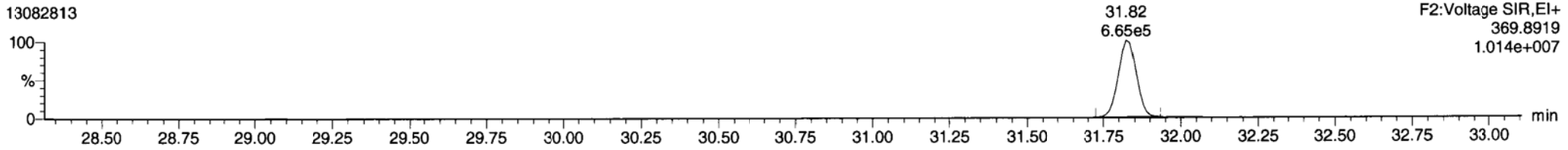
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

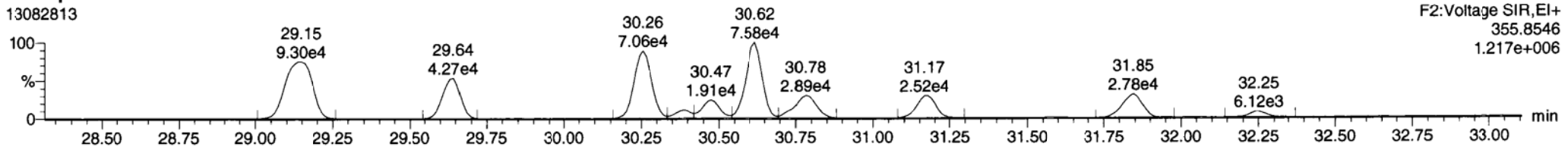
13C-12378-PeCDD



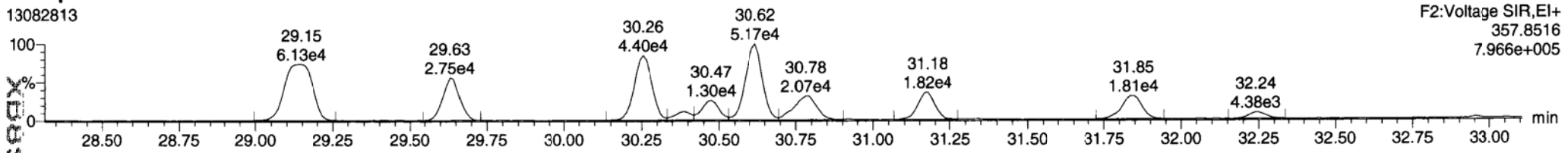
13C-12378-PeCDD



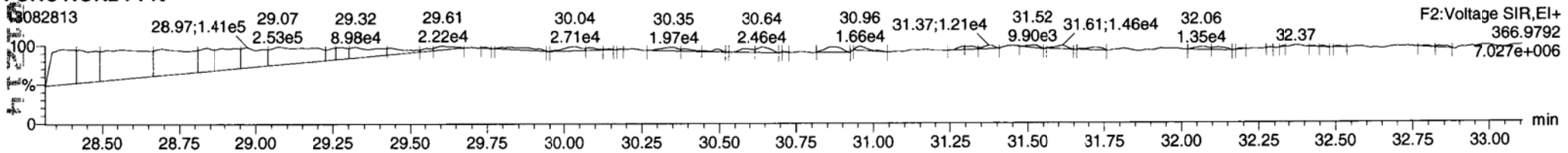
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
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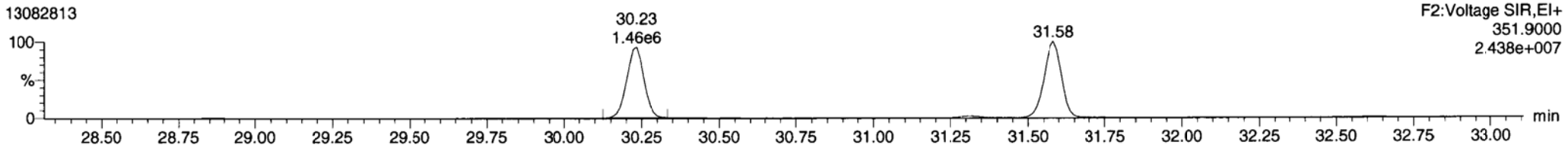
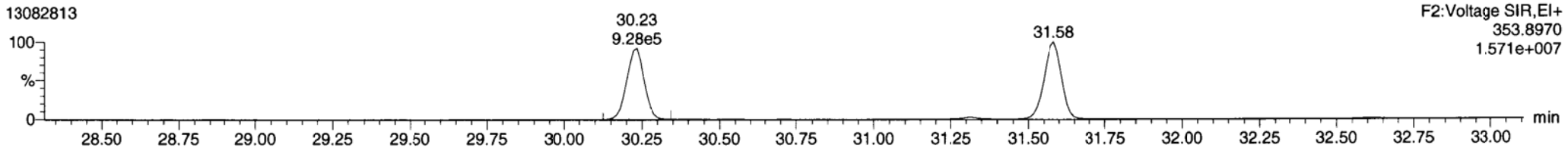
ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

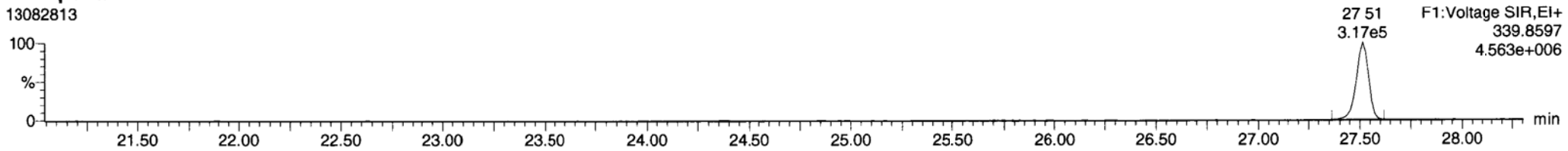
13C-12378-PeCDF



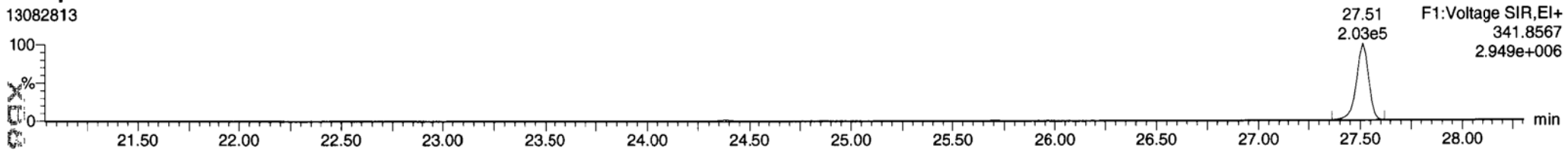
13C-12378-PeCDF



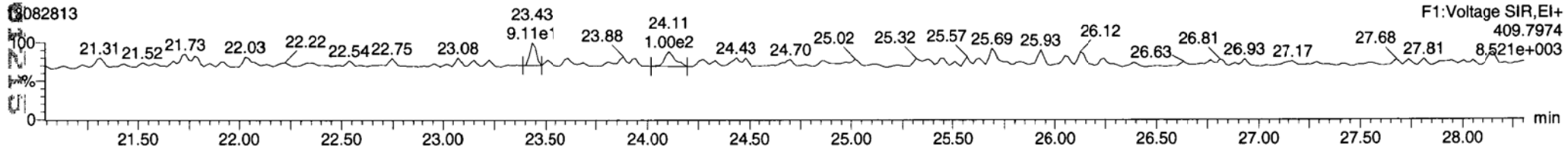
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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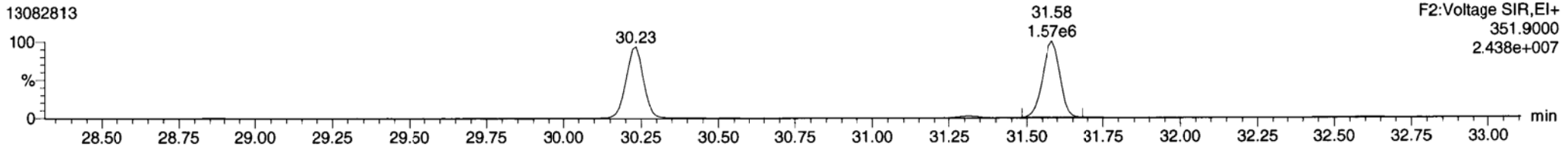
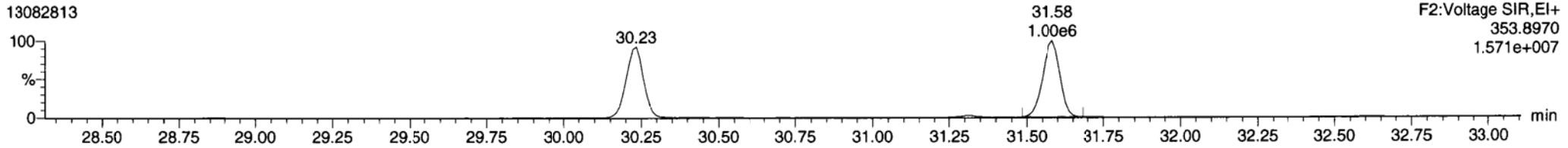
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

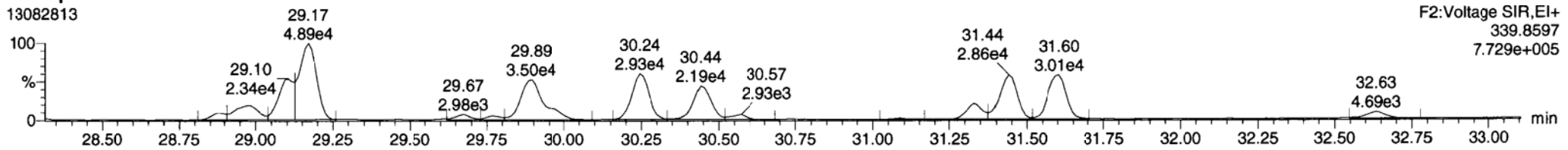
13C-23478-PeCDF



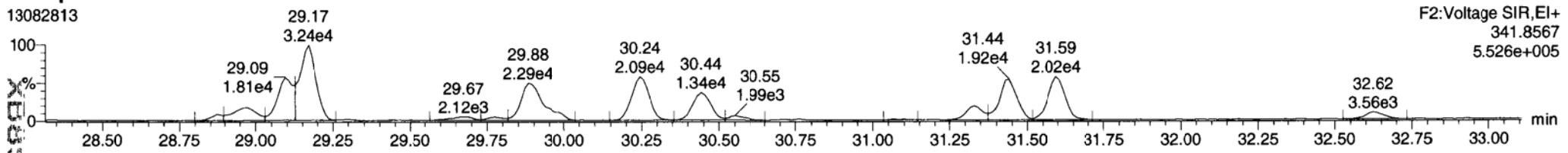
13C-23478-PeCDF



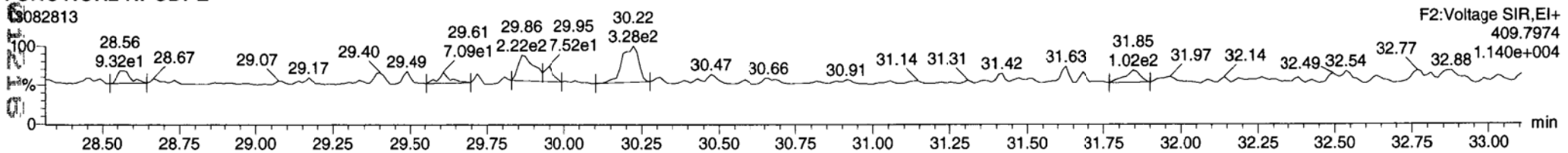
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
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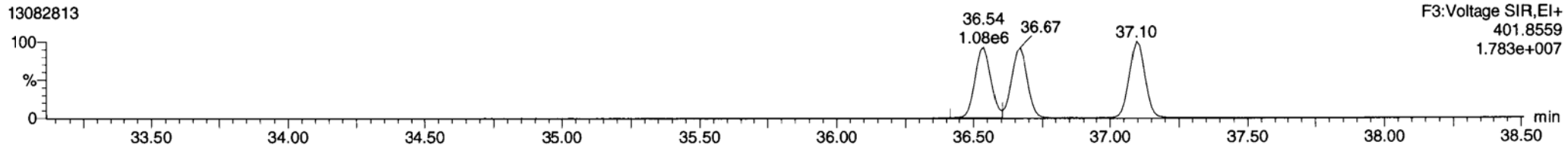
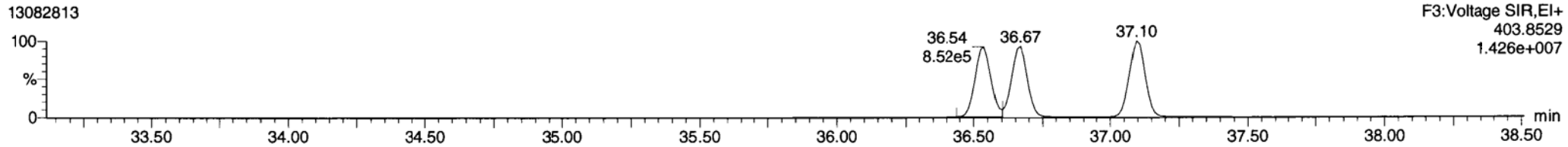
ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

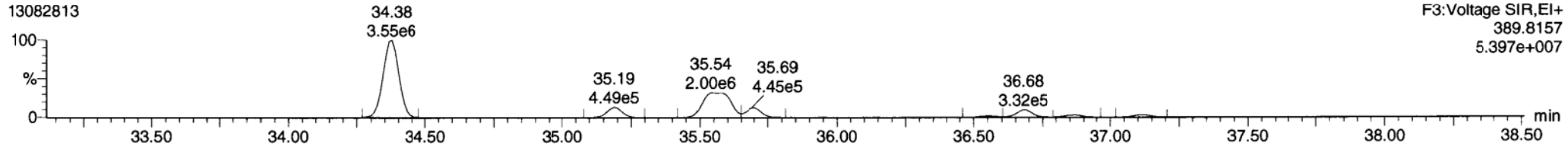
13C-123478-HxCDD



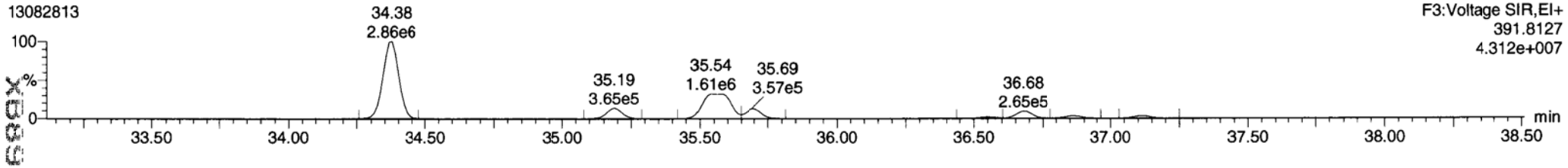
13C-123478-HxCDD



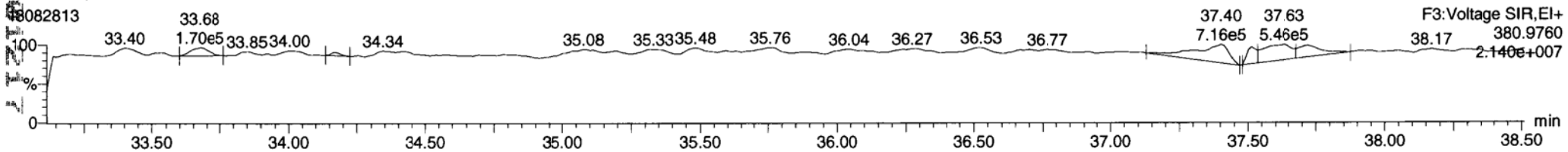
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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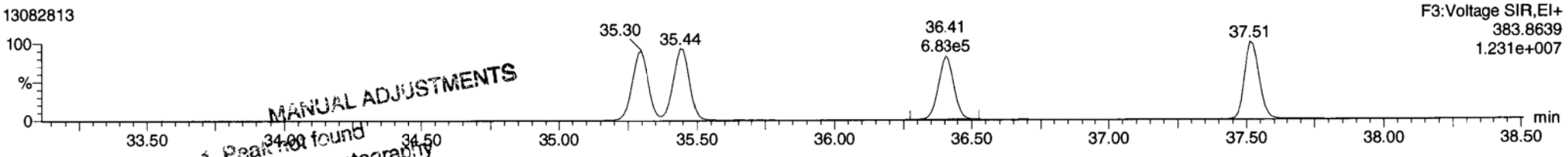
13C-234678-HxCDF



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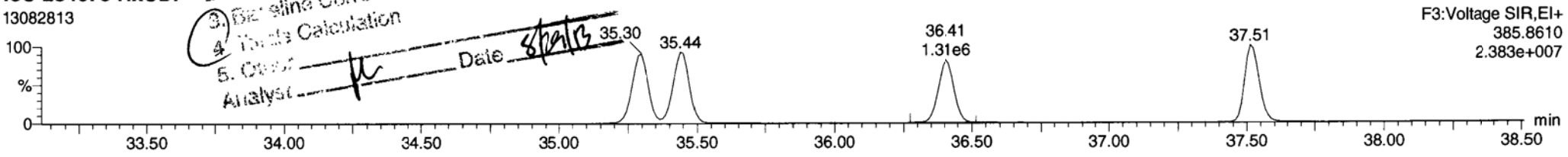
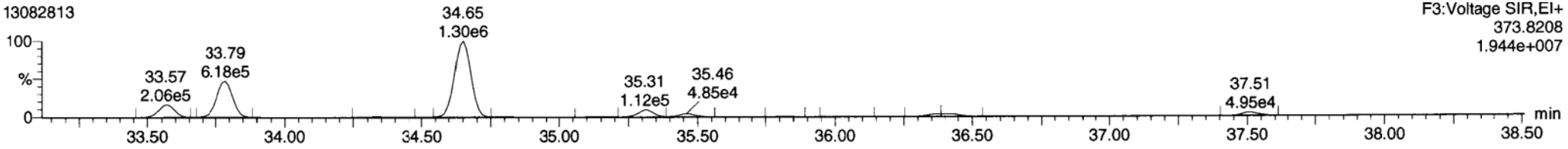
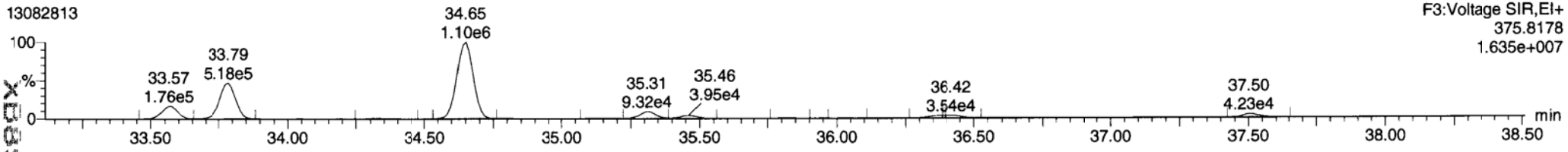


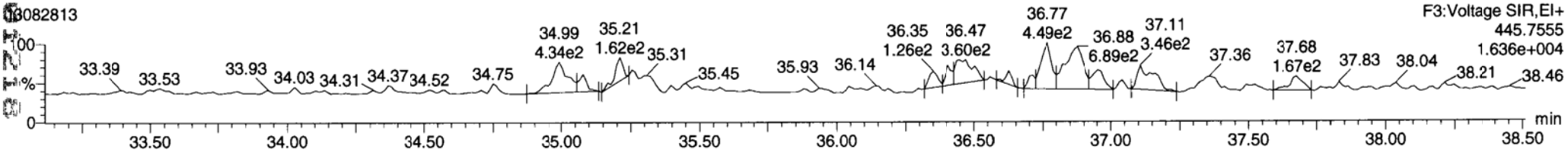
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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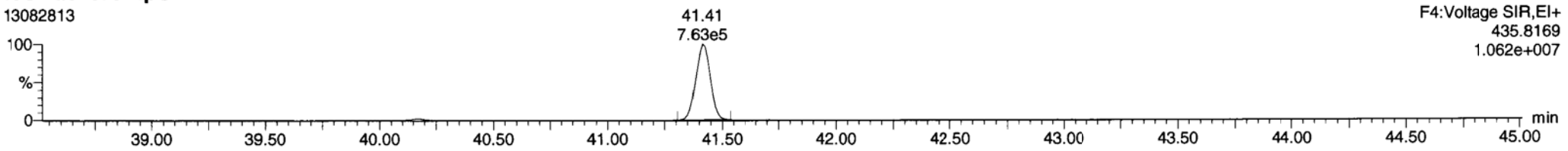
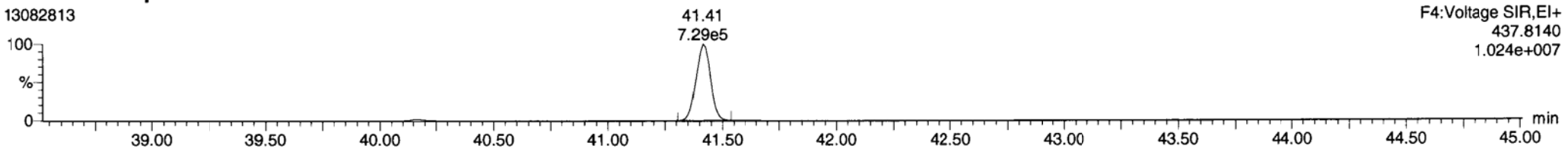
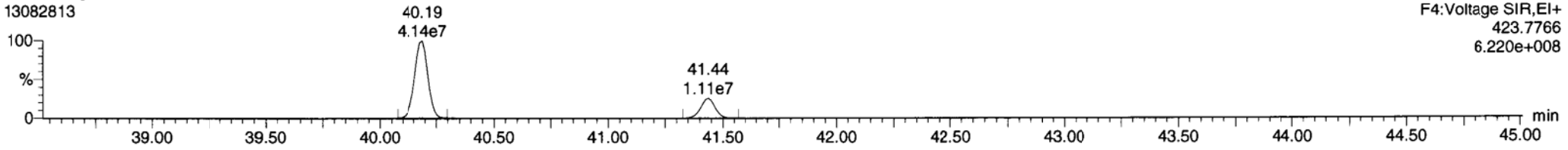
13C-1234678-HpCDD



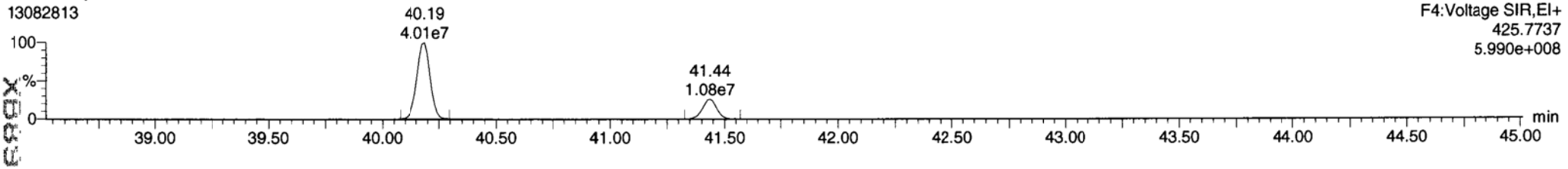
13C-1234678-HpCDD



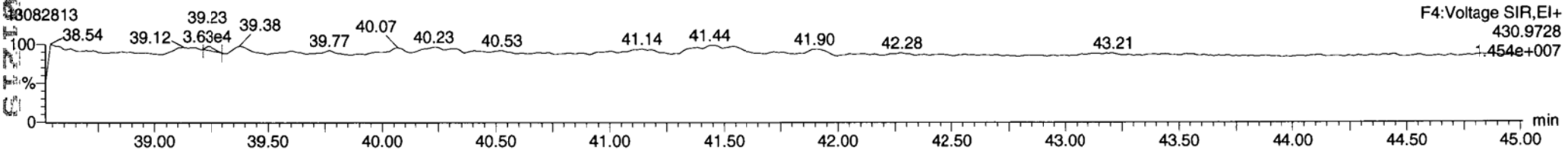
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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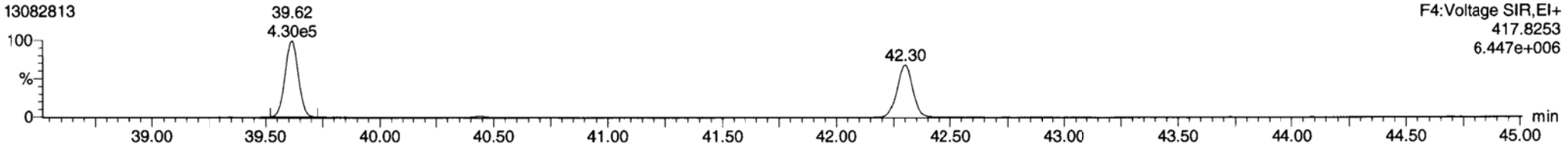
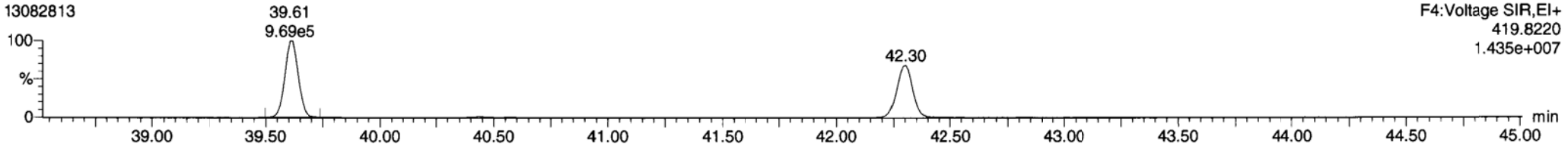
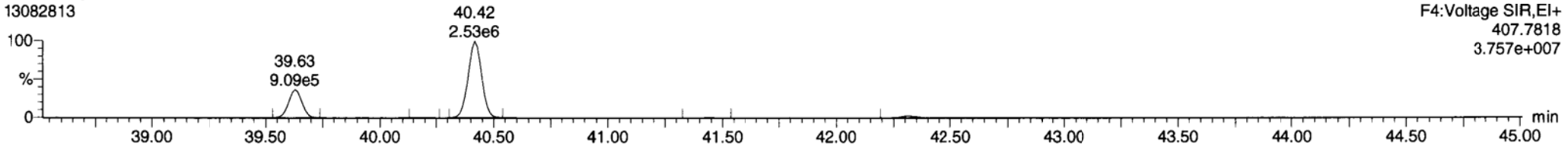
13C-1234678-HpCDF



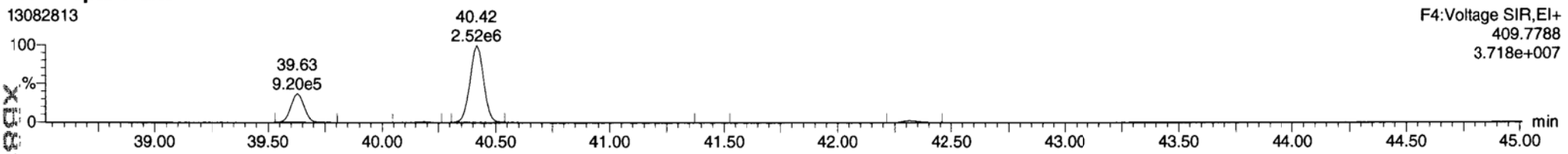
13C-1234678-HpCDF



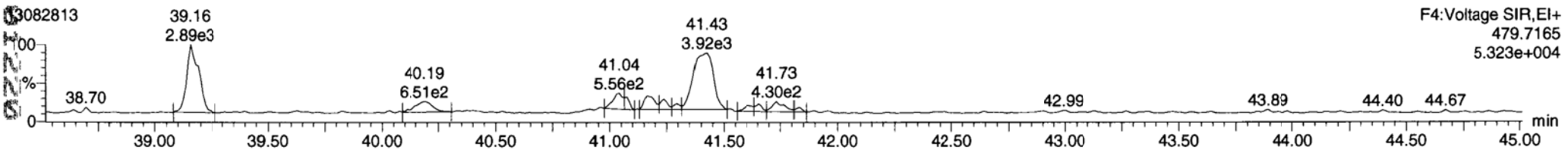
Total-heptafurans



Total-heptafurans



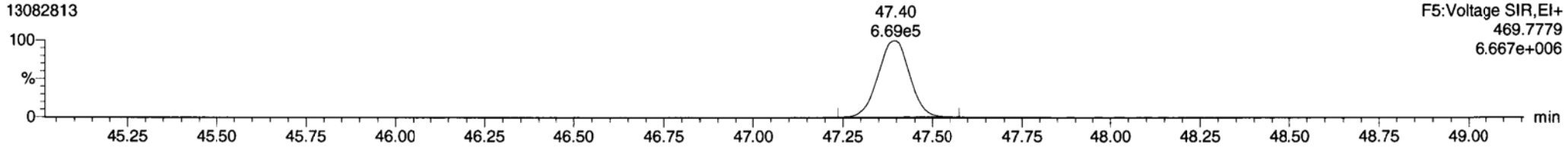
FUNCTION4 NCDPE



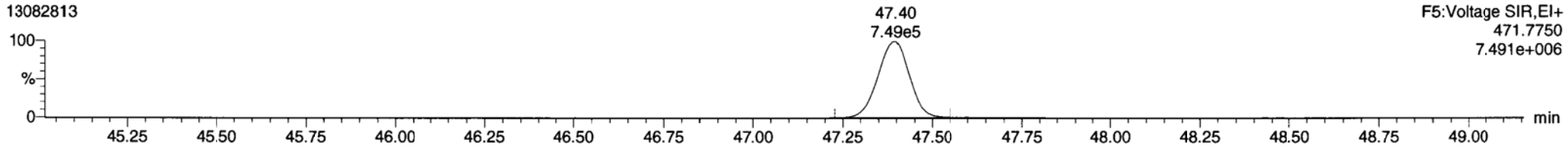
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

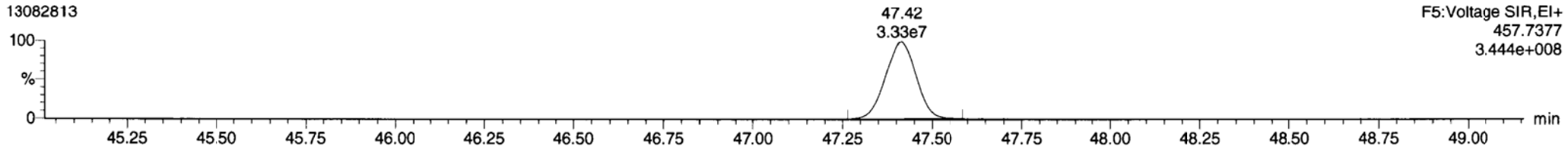
13C-OCDD



13C-OCDD



OCDD



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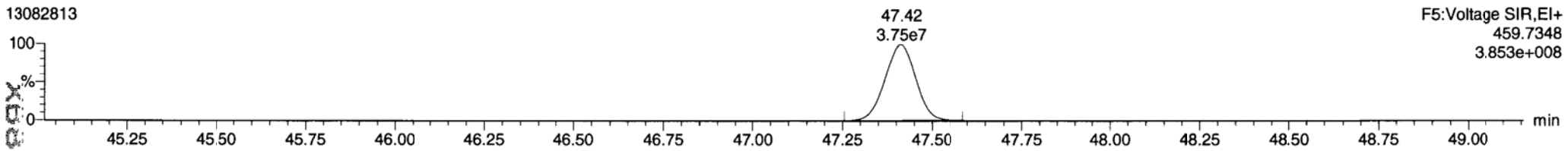
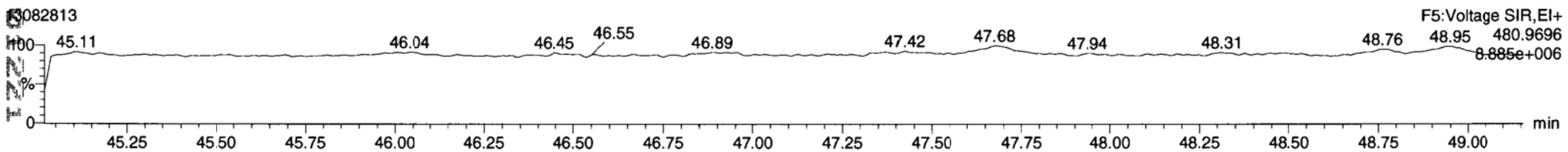


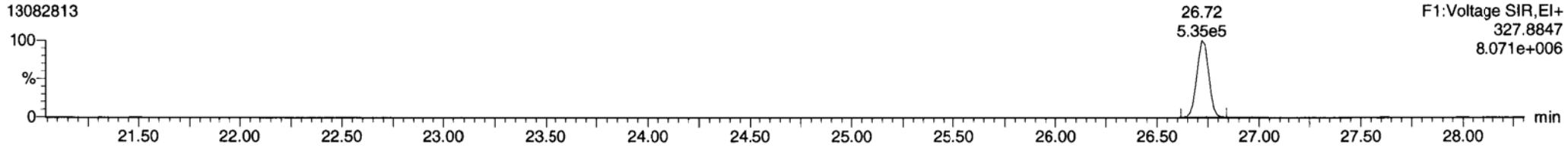
FUNCTION5 PFK



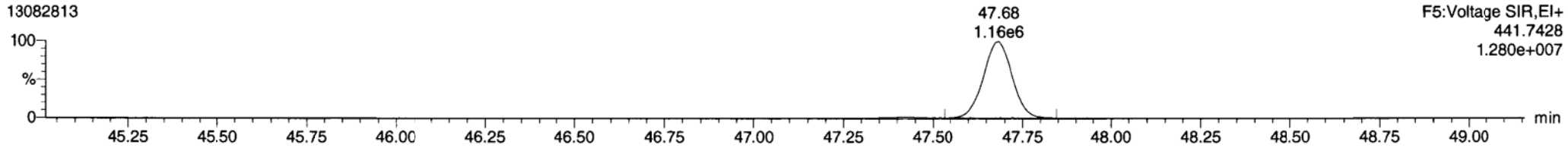
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:03:48 Pacific Daylight Time

ID: XB89A, Name: 13082813, Date: 28-Aug-2013, Time: 21:02:01, Conditions: AUTOSPEC01, User: pk

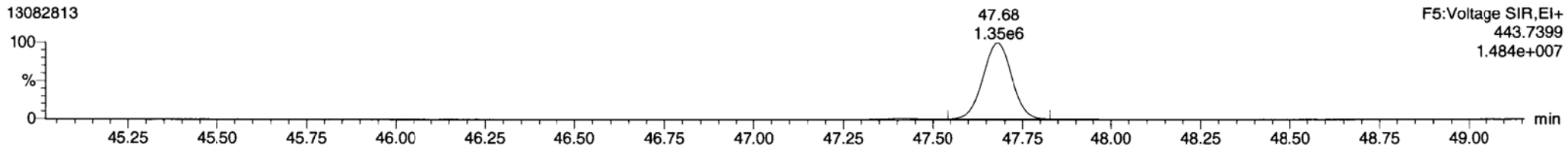
37CL-2378-TCDD



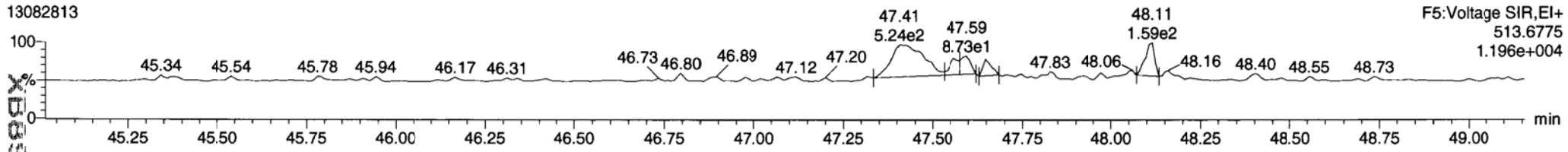
OCDF



OCDF



FUNCTION5 DCDPE



XB89A.61222

Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:04:10 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

Name	RT	Area	Height	S/N	Ratio	Ref	Conc							
2378-TCDF	26.079	1.001	7.94e3	1.08e4	0.867	0.738	0.770	36.2	3559	2019	1.29e5	1.74e5	NO	1.357	1.357	
12378-PeCDF	30.234	1.001	1.81e4	1.29e4	0.875	1.401	1.550	156.3	1822	4804	2.85e5	1.92e5	NO	1.274	1.274	X
23478-PeCDF	31.582	1.000	1.98e4	1.31e4	0.880	1.506	1.550	159.9	1822	4804	2.91e5	1.98e5	NO	1.289	1.289	
123478-HxCDF	35.298	1.000	5.81e4	5.05e4	1.048	1.151	1.240	284.7	2994	3491	8.52e5	7.74e5	NO	4.483	4.483	
234678-HxCDF	36.416	1.001	2.27e4	1.93e4	1.088	1.176	1.240	125.8	2994	3491	3.77e5	2.95e5	NO	1.801	1.801	
123678-HxCDF	35.451	1.001	2.86e4	2.53e4	1.025	1.132	1.240	136.7	2994	3491	4.09e5	3.73e5	NO	2.183	2.183	
123789-HxCDF	37.490	0.999	2.03e4	1.76e4	0.959	1.152	1.240	107.0	2994	3491	3.20e5	2.65e5	NO	1.689	1.689	
1234678-HpCDF	39.617	1.000	7.53e5	7.56e5	1.215	0.995	1.050	3963.2	2845	2299	1.13e7	1.13e7	NO	81.587	81.587	
1234789-HpCDF	42.313	1.001	3.59e4	3.46e4	1.200	1.037	1.050	162.8	2845	2299	4.63e5	4.54e5	NO	5.055	5.055	
OCDF	47.675	1.006	1.25e6	1.45e6	1.064	0.863	0.890	7016.2	1984	1486	1.39e7	1.60e7	NO	339.223	339.223	
2378-TCDD	26.721	1.001	2.05e3	3.37e3	0.994	0.608	0.770	11.5	2677	2579	3.07e4	4.48e4	YES	0.311	0.358	
12378-PeCDD	31.834	1.000	2.76e4	1.68e4	0.976	1.642	1.550	221.0	1654	1279	3.66e5	2.25e5	NO	2.193	2.193	
123478-HxCDD	36.548	1.001	4.25e4	3.40e4	0.967	1.252	1.240	132.7	4686	3640	6.22e5	5.33e5	NO	3.811	3.811	
123678-HxCDD	36.668	1.000	2.29e5	1.86e5	0.902	1.233	1.240	757.0	4686	3640	3.55e6	2.85e6	NO	22.104	22.104	
123789-HxCDD	37.107	1.012	8.04e4	6.48e4	0.914	1.241	1.240	263.0	4686	3640	1.23e6	9.81e5	NO	7.645	7.645	
1234678-HpCDD	41.425	1.001	5.94e6	5.80e6	0.999	1.025	1.050	13602.3	6262	7163	8.52e7	8.26e7	NO	753.240	753.240	
OCDD	47.397	1.000	2.16e7	2.43e7	0.979	0.890	0.890	56972.7	3917	4754	2.23e8	2.50e8	NO	6245.765	6245.765	
13C-2378-TCDF	26.063	1.007	7.02e5	8.87e5	1.419	0.792	0.770	2490.9	4346	3475	1.08e7	1.36e7	NO		31.232	
13C-12378-PeCDF	30.212	1.167	1.70e6	1.09e6	1.158	1.566	1.550	6304.3	4168	2126	2.63e7	1.67e7	NO		67.126	
13C-23478-PeCDF	31.571	1.220	1.77e6	1.13e6	1.127	1.566	1.550	6493.2	4168	2126	2.71e7	1.73e7	NO		71.849	
13C-123478-HxCDF	35.287	0.952	7.89e5	1.52e6	1.206	0.519	0.510	4615.5	2474	3871	1.14e7	2.20e7	NO		72.973	
13C-123678-HxCDF	35.430	0.955	8.17e5	1.59e6	1.266	0.513	0.510	4881.0	2474	3871	1.21e7	2.38e7	NO		72.527	
13C-234678-HxCDF	36.394	0.981	7.37e5	1.41e6	1.155	0.523	0.510	4419.2	2474	3871	1.09e7	2.08e7	NO		70.733	
13C-123789-HxCDF	37.512	1.012	8.01e5	1.54e6	1.121	0.518	0.510	5204.8	2474	3871	1.29e7	2.47e7	NO		79.735	
13C-1234678-HpCDF	39.606	1.068	4.65e5	1.06e6	1.040	0.439	0.440	3919.3	1780	2478	6.98e6	1.58e7	NO		55.814	
13C-1234789-HpCDF	42.292	1.140	3.58e5	8.05e5	0.789	0.445	0.440	2626.1	1780	2478	4.68e6	1.02e7	NO		56.171	
13C-1234-TCDD	25.884	0.000	1.59e6	2.00e6	1.000	0.795	0.770	7836.7	3055	2077	2.39e7	2.97e7	NO		100.000	
13C-2378-TCDD	26.691	1.031	6.74e5	8.50e5	0.962	0.793	0.770	3382.8	3055	2077	1.03e7	1.30e7	NO		44.150	
13C-12378-PeCDD	31.823	1.229	1.26e6	8.06e5	0.746	1.568	1.550	12717.6	1488	1569	1.89e7	1.20e7	NO		77.380	
13C-123478-HxCDD	36.526	0.985	1.15e6	9.26e5	1.003	1.240	1.240	9281.9	1925	2212	1.79e7	1.44e7	NO		78.809	
13C-123678-HxCDD	36.657	0.988	1.16e6	9.25e5	1.052	1.251	1.240	9318.2	1925	2212	1.79e7	1.43e7	NO		75.398	
13C-1234678-HpCDD	41.404	1.116	8.03e5	7.58e5	0.880	1.060	1.050	5874.8	1885	1492	1.11e7	1.05e7	NO		67.562	
13C-OCDD	47.379	1.278	7.06e5	7.95e5	0.775	0.888	0.890	4734.3	1516	1098	7.18e6	8.11e6	NO		73.799	

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:04:10 Pacific Daylight Time

ID: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	37.085	0.000	1.45e6	1.17e6	1.000	1.241	1.240	11842.2	1925	2212	2.28e7	1.83e7	NO	100.000
Total-tetrafurans			7.00e4		0.867				3559		1.03e6			12.200
Total-penta1			2.30e5						1203		3.29e6			14.358
Total-pentafurans			1.82e5		0.877				1822		2.70e6			12.292
Total-hexafurans			1.53e6		1.030				2994		2.33e7			119.019
Total-heptafurans			2.61e6		1.207				2845		3.82e7			309.836
Total-Furans			5.88e6		1.022				3559		8.24e7			806.929
Total-tetradioxins			8.28e4		0.994				2677		1.22e6			12.578
Total-pentadioxins			2.77e5		0.976				1654		3.69e6			22.446
Total-hexadioxins			2.75e6		0.928				4686		3.72e7			257.758
Total-heptadioxins			1.95e7		0.999				6262		2.86e8			2464.520
Total-Dioxins			4.42e7		0.962				2677		5.51e8			9003.067
Total-TEQ			5.01e7						2677		6.33e8			9809.996
37CL-2378-TCDD	26.721	1.032	6.86e5		1.091			5763.5	1762		1.02e7			17.528
FUNCTION1 PFK			1.02e6						422440		1.43e7			
FUNCTION2 PFK			2.70e5						110361		6.89e6			0.000
FUNCTION3 PFK			1.40e6						261011		1.12e7			0.000
FUNCTION4 PFK			4.92e4						186370		8.52e5			
FUNCTION5 PFK			0.00e0						117467		0.00e0			
FUNCTION1 HXCDPE			6.73e2						522		1.22e4			0.000
FUNCTION1 HPCDPE			5.65e2						785		1.64e4			0.000
FUNCTION2 HPCDPE			1.07e3						800		2.11e4			0.000
FUNCTION3 OCDPE			4.07e3						1267		8.81e4			0.000
FUNCTION4 NCDPE			7.89e3						941		1.38e5			0.000
FUNCTION5 DCDPE			2.39e2						483		5.20e3			0.000

Quantify Totals Report MassLynx 4.1 SCN 714
Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:04:10 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

TF

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	I° Rati...	I° Rati...	I° R...	S/N
	35	Total-tetrafurans	303.9016	24.99	10130.488	0.867	0.736		0.68	0.77	NO	16.7
	35	Total-tetrafurans	303.9016	24.82	4165.052	0.867	0.302		0.40	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	24.75	16540.717	0.867	1.201		0.68	0.77	NO	21.7
	35	Total-tetrafurans	303.9016	24.32	2412.319	0.867	0.175		0.56	0.77	YES	4.1
	35	Total-tetrafurans	303.9016	24.18	3727.161	0.867	0.271		0.48	0.77	YES	6.4
	35	Total-tetrafurans	303.9016	24.08	5290.919	0.867	0.384		0.68	0.77	NO	10.4
	35	Total-tetrafurans	303.9016	23.90	2422.641	0.867	0.176		0.73	0.77	NO	4.7
	35	Total-tetrafurans	303.9016	23.84	3250.542	0.867	0.236		1.02	0.77	YES	6.0
	35	Total-tetrafurans	303.9016	23.72	2747.453	0.867	0.199		0.55	0.77	YES	4.2
	35	Total-tetrafurans	303.9016	23.60	7300.808	0.867	0.530		0.76	0.77	NO	10.0
	35	Total-tetrafurans	303.9016	23.42	22773.702	0.867	1.654		0.76	0.77	NO	39.6
	35	Total-tetrafurans	303.9016	22.84	4054.447	0.867	0.294		0.59	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	22.57	2833.168	0.867	0.206		0.57	0.77	YES	5.0
	35	Total-tetrafurans	303.9016	27.53	8877.784	0.867	0.645		0.81	0.77	NO	12.0
	35	Total-tetrafurans	303.9016	26.30	11539.941	0.867	0.838		0.67	0.77	NO	20.1
	35	Total-tetrafurans	303.9016	26.21	9111.779	0.867	0.662		0.71	0.77	NO	15.3
	1	2378-TCDF	303.9016	26.08	18689.019	0.867	1.357	1.357	0.74	0.77	NO	36.2
	35	Total-tetrafurans	303.9016	25.90	4272.253	0.867	0.310		1.06	0.77	YES	9.8
	35	Total-tetrafurans	303.9016	25.84	6429.665	0.867	0.467		0.80	0.77	NO	13.6
	35	Total-tetrafurans	303.9016	25.57	7335.797	0.867	0.533		0.89	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	25.38	1855.251	0.867	0.135		0.85	0.77	NO	3.5
	35	Total-tetrafurans	303.9016	25.17	12273.318	0.867	0.891		0.67	0.77	NO	22.8

PP

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	I° Rati...	I° Rati...	I° R...	S/N
	36	Total-penta1	339.8597	27.50	374631.860		14.358		1.59	1.55	NO	2739.5

PF

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	I° Rati...	I° Rati...	I° R...	S/N
	37	Total-pentafurans	339.8597	29.87	44029.381	0.877	1.764		1.44	1.55	NO	168.1
	37	Total-pentafurans	339.8597	29.77	4084.452	0.877	0.164		1.38	1.55	NO	21.1
	37	Total-pentafurans	339.8597	29.65	4560.199	0.877	0.183		1.38	1.55	NO	18.8
	37	Total-pentafurans	339.8597	29.16	71933.978	0.877	2.882		1.45	1.55	NO	334.3
	37	Total-pentafurans	339.8597	29.08	28040.781	0.877	1.124		1.55	1.55	NO	190.5
	37	Total-pentafurans	339.8597	28.95	15235.824	0.877	0.611		1.38	1.55	NO	57.4
	37	Total-pentafurans	339.8597	28.87	3861.335	0.877	0.155		1.49	1.55	NO	22.2
	37	Total-pentafurans	339.8597	32.62	4329.890	0.877	0.174		1.48	1.55	NO	20.4
	3	23478-PeCDF	339.8597	31.58	32902.230	0.880	1.289	1.289	1.51	1.55	NO	159.9
	37	Total-pentafurans	339.8597	31.43	26647.794	0.877	1.068		1.45	1.55	NO	130.5
	37	Total-pentafurans	339.8597	31.31	11526.601	0.877	0.462		1.52	1.55	NO	63.1
	37	Total-pentafurans	339.8597	30.54	3103.302	0.877	0.124		1.56	1.55	NO	17.2
	37	Total-pentafurans	339.8597	30.43	25459.911	0.877	1.020		1.37	1.55	NO	119.9
	2	12378-PeCDF	339.8597	30.23	31060.947	0.875	1.274	1.274	1.40	1.55	NO	156.3

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:04:10 Pacific Daylight Time

D: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

HF

	7 123789-HxCDF	373.8208	37.49	37977.474	0.959	1.689	1.689	1.15	1.24	NO	107.0
	5 234678-HxCDF	373.8208	36.42	42036.080	1.088	1.801	1.801	1.18	1.24	NO	125.8
	38 Total-hexafurans	373.8208	35.80	3616.493	1.030	0.152		1.47	1.24	YES	11.1
	6 123678-HxCDF	373.8208	35.45	53893.687	1.025	2.183	2.183	1.13	1.24	NO	136.7
	4 123478-HxCDF	373.8208	35.30	108587.489	1.048	4.483	4.483	1.15	1.24	NO	284.7
	38 Total-hexafurans	373.8208	35.12	10532.106	1.030	0.444		1.26	1.24	NO	32.2
	38 Total-hexafurans	373.8208	34.64	1599612.376	1.030	67.445		1.19	1.24	NO	4434.5
	38 Total-hexafurans	373.8208	34.32	11388.968	1.030	0.480		1.08	1.24	NO	27.6
	38 Total-hexafurans	373.8208	33.77	709211.187	1.030	29.903		1.20	1.24	NO	1929.0
	38 Total-hexafurans	373.8208	33.56	247589.664	1.030	10.439		1.17	1.24	NO	690.6

HPF

	9 1234789-HpCDF	407.7818	42.31	70562.864	1.200	5.055	5.055	1.04	1.05	NO	162.8
	39 Total-heptafurans	407.7818	41.44	5375.801	1.207	0.332		1.07	1.05	NO	13.2
	39 Total-heptafurans	407.7818	40.41	3588381.125	1.207	221.310		1.01	1.05	NO	9209.9
	39 Total-heptafurans	407.7818	40.17	13080.355	1.207	0.807		1.21	1.05	NO	35.4
	39 Total-heptafurans	407.7818	40.11	12088.967	1.207	0.746		0.89	1.05	YES	35.0
	8 1234678-HpCDF	407.7818	39.62	1509126.438	1.215	81.587	81.587	1.00	1.05	NO	3963.2

Dataset: P:\DIOXIN8290.PRO\130828DATA2.qld
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Furans,TF,PP,PF,HF,HPF,OF

	35	Total-tetrafurans	303.9016	24.99	10130.488	0.867	0.736		0.68	0.77	NO	16.7
	35	Total-tetrafurans	303.9016	24.82	4165.052	0.867	0.302		0.40	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	24.75	16540.717	0.867	1.201		0.68	0.77	NO	21.7
	35	Total-tetrafurans	303.9016	24.32	2412.319	0.867	0.175		0.56	0.77	YES	4.1
	35	Total-tetrafurans	303.9016	24.18	3727.161	0.867	0.271		0.48	0.77	YES	6.4
	35	Total-tetrafurans	303.9016	24.08	5290.919	0.867	0.384		0.68	0.77	NO	10.4
	35	Total-tetrafurans	303.9016	23.90	2422.641	0.867	0.176		0.73	0.77	NO	4.7
	35	Total-tetrafurans	303.9016	23.84	3250.542	0.867	0.236		1.02	0.77	YES	6.0
	35	Total-tetrafurans	303.9016	23.72	2747.453	0.867	0.199		0.55	0.77	YES	4.2
	35	Total-tetrafurans	303.9016	23.60	7300.808	0.867	0.530		0.76	0.77	NO	10.0
	35	Total-tetrafurans	303.9016	23.42	22773.702	0.867	1.654		0.76	0.77	NO	39.6
	35	Total-tetrafurans	303.9016	22.84	4054.447	0.867	0.294		0.59	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	22.57	2833.168	0.867	0.206		0.57	0.77	YES	5.0
	35	Total-tetrafurans	303.9016	27.53	8877.784	0.867	0.645		0.81	0.77	NO	12.0
	35	Total-tetrafurans	303.9016	26.30	11539.941	0.867	0.838		0.67	0.77	NO	20.1
	35	Total-tetrafurans	303.9016	26.21	9111.779	0.867	0.662		0.71	0.77	NO	15.3
	1	2378-TCDF	303.9016	26.08	18689.019	0.867	1.357	1.357	0.74	0.77	NO	36.2
	35	Total-tetrafurans	303.9016	25.90	4272.253	0.867	0.310		1.06	0.77	YES	9.8
	35	Total-tetrafurans	303.9016	25.84	6429.665	0.867	0.467		0.80	0.77	NO	13.6
	35	Total-tetrafurans	303.9016	25.57	7335.797	0.867	0.533		0.89	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	25.38	1855.251	0.867	0.135		0.85	0.77	NO	3.5
	35	Total-tetrafurans	303.9016	25.17	12273.318	0.867	0.891		0.67	0.77	NO	22.8
	37	Total-pentafurans	339.8597	29.87	44029.381	0.877	1.764		1.44	1.55	NO	168.1
	37	Total-pentafurans	339.8597	29.77	4084.452	0.877	0.164		1.38	1.55	NO	21.1
	37	Total-pentafurans	339.8597	29.65	4560.199	0.877	0.183		1.38	1.55	NO	18.8
	37	Total-pentafurans	339.8597	29.16	71933.978	0.877	2.882		1.45	1.55	NO	334.3
	37	Total-pentafurans	339.8597	29.08	28040.781	0.877	1.124		1.55	1.55	NO	190.5
	37	Total-pentafurans	339.8597	28.95	15235.824	0.877	0.611		1.38	1.55	NO	57.4
	37	Total-pentafurans	339.8597	28.87	3861.335	0.877	0.155		1.49	1.55	NO	22.2
	37	Total-pentafurans	339.8597	32.62	4329.890	0.877	0.174		1.48	1.55	NO	20.4
	3	23478-PeCDF	339.8597	31.58	32902.230	0.880	1.289	1.289	1.51	1.55	NO	159.9
	37	Total-pentafurans	339.8597	31.43	26647.794	0.877	1.068		1.45	1.55	NO	130.5
	37	Total-pentafurans	339.8597	31.31	11526.601	0.877	0.462		1.52	1.55	NO	63.1
	37	Total-pentafurans	339.8597	30.54	3103.302	0.877	0.124		1.56	1.55	NO	17.2
	37	Total-pentafurans	339.8597	30.43	25459.911	0.877	1.020		1.37	1.55	NO	119.9
	2	12378-PeCDF	339.8597	30.23	31060.947	0.875	1.274	1.274	1.40	1.55	NO	156.3
	7	123789-HxCDF	373.8208	37.49	37977.474	0.959	1.689	1.689	1.15	1.24	NO	107.0
	5	234678-HxCDF	373.8208	36.42	42036.080	1.088	1.801	1.801	1.18	1.24	NO	125.8
	38	Total-hexafurans	373.8208	35.80	3616.493	1.030	0.152		1.47	1.24	YES	11.1
	6	123678-HxCDF	373.8208	35.45	53893.687	1.025	2.183	2.183	1.13	1.24	NO	136.7
	4	123478-HxCDF	373.8208	35.30	108587.489	1.048	4.483	4.483	1.15	1.24	NO	284.7
	38	Total-hexafurans	373.8208	35.12	10532.106	1.030	0.444		1.26	1.24	NO	32.2
	38	Total-hexafurans	373.8208	34.64	1599612.376	1.030	67.445		1.19	1.24	NO	4434.5
	38	Total-hexafurans	373.8208	34.32	11388.968	1.030	0.480		1.08	1.24	NO	27.6
	38	Total-hexafurans	373.8208	33.77	709211.187	1.030	29.903		1.20	1.24	NO	1929.0
	38	Total-hexafurans	373.8208	33.56	247589.664	1.030	10.439		1.17	1.24	NO	690.6
	9	1234789-HpCDF	407.7818	42.31	70562.864	1.200	5.055	5.055	1.04	1.05	NO	162.8
	39	Total-heptafurans	407.7818	41.44	5375.801	1.207	0.332		1.07	1.05	NO	13.2
	39	Total-heptafurans	407.7818	40.41	3588381.125	1.207	221.310		1.01	1.05	NO	9209.9

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Furans,TF,PP,PF,HF,HPF,OF

	39	Total-heptafurans	407.7818	40.17	13080.355	1.207	0.807		1.21	1.05	NO	35.4
	39	Total-heptafurans	407.7818	40.11	12088.967	1.207	0.746		0.89	1.05	YES	35.0
	8	1234678-HpCDF	407.7818	39.62	1509126.438	1.215	81.587	81.587	1.00	1.05	NO	3963.2
	10	OCDF	441.7428	47.67	2708436.750	1.064	339.223	339....	0.86	0.89	NO	7016.2
	36	Total-penta1	339.8597	27.50	374631.860		14.358		1.59	1.55	NO	2739.5

TD

	41	Total-tetradioxins	319.8965	23.85	58007.933	0.994	3.833		0.75	0.77	NO	144.3
	41	Total-tetradioxins	319.8965	27.29	2601.628	0.994	0.172		0.76	0.77	NO	4.8
	41	Total-tetradioxins	319.8965	26.86	6198.875	0.994	0.410		0.78	0.77	NO	14.4
	11	2378-TCDD	319.8965	26.72	5420.313	0.994	0.358	0.311	0.61	0.77	YES	11.5
	41	Total-tetradioxins	319.8965	26.33	22016.558	0.994	1.455		0.73	0.77	NO	43.8
	41	Total-tetradioxins	319.8965	25.90	7564.558	0.994	0.500		0.61	0.77	YES	15.0
	41	Total-tetradioxins	319.8965	25.69	9143.857	0.994	0.604		0.81	0.77	NO	20.4
	41	Total-tetradioxins	319.8965	25.33	17918.946	0.994	1.184		0.73	0.77	NO	45.7
	41	Total-tetradioxins	319.8965	25.05	8848.786	0.994	0.585		0.84	0.77	NO	22.8
	41	Total-tetradioxins	319.8965	24.33	3103.196	0.994	0.205		1.10	0.77	YES	7.3
	41	Total-tetradioxins	319.8965	24.12	49547.727	0.994	3.274		0.84	0.77	NO	124.4

PD

	42	Total-pentadioxins	355.8546	32.24	9445.738	0.976	0.467		1.69	1.55	NO	56.4
	12	12378-PeCDD	355.8546	31.83	44346.791	0.976	2.193	2.193	1.64	1.55	NO	221.0
	42	Total-pentadioxins	355.8546	31.15	31723.850	0.976	1.569		1.42	1.55	NO	157.5
	42	Total-pentadioxins	355.8546	30.77	33070.394	0.976	1.636		1.46	1.55	NO	132.3
	42	Total-pentadioxins	355.8546	30.60	77978.717	0.976	3.857		1.65	1.55	NO	430.4
	42	Total-pentadioxins	355.8546	30.45	33093.436	0.976	1.637		1.56	1.55	NO	187.6
	42	Total-pentadioxins	355.8546	30.38	5974.796	0.976	0.296		1.94	1.55	YES	45.6
	42	Total-pentadioxins	355.8546	30.23	79698.209	0.976	3.942		1.56	1.55	NO	434.0
	42	Total-pentadioxins	355.8546	29.62	31251.195	0.976	1.546		1.58	1.55	NO	178.6
	42	Total-pentadioxins	355.8546	29.14	107259.996	0.976	5.305		1.54	1.55	NO	387.3

HD

	43	Total-hexadioxins	389.8157	35.68	249643.742	0.928	12.950		1.25	1.24	NO	444.7
	43	Total-hexadioxins	389.8157	35.57	1478898.750	0.928	76.715		1.24	1.24	NO	1651.1
	43	Total-hexadioxins	389.8157	35.18	387325.640	0.928	20.092		1.22	1.24	NO	703.7
	43	Total-hexadioxins	389.8157	34.37	2121155.563	0.928	110.031		1.24	1.24	NO	3833.8
	43	Total-hexadioxins	389.8157	34.07	15022.895	0.928	0.779		1.16	1.24	NO	28.1
	15	123789-HxCDD	389.8157	37.11	145235.472	0.914	7.645	7.645	1.24	1.24	NO	263.0
	43	Total-hexadioxins	389.8157	36.85	69976.102	0.928	3.630		1.21	1.24	NO	122.2
	14	123678-HxCDD	389.8157	36.67	414868.515	0.902	22.104	22.104	1.23	1.24	NO	757.0
	13	123478-HxCDD	389.8157	36.55	76465.371	0.967	3.811	3.811	1.25	1.24	NO	132.7

Quantify Totals Report MassLynx 4.1 SCN 714
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HPD

	16 1234678-HpCDD	423.7766	41.43	11740221....	0.999	753.240	753....	1.03	1.05	NO	13602.3
	44 Total-heptadioxins	423.7766	40.18	26672514....	0.999	1711.2...		1.03	1.05	NO	32019.6

Dioxins,TD,PD,HD,HPD,OD

	41 Total-tetradioxins	319.8965	23.85	58007.933	0.994	3.833		0.75	0.77	NO	144.3
	41 Total-tetradioxins	319.8965	27.29	2601.628	0.994	0.172		0.76	0.77	NO	4.8
	41 Total-tetradioxins	319.8965	26.86	6198.875	0.994	0.410		0.78	0.77	NO	14.4
	11 2378-TCDD	319.8965	26.72	5420.313	0.994	0.358	0.311	0.61	0.77	YES	11.5
	41 Total-tetradioxins	319.8965	26.33	22016.558	0.994	1.455		0.73	0.77	NO	43.8
	41 Total-tetradioxins	319.8965	25.90	7564.558	0.994	0.500		0.61	0.77	YES	15.0
	41 Total-tetradioxins	319.8965	25.69	9143.857	0.994	0.604		0.81	0.77	NO	20.4
	41 Total-tetradioxins	319.8965	25.33	17918.946	0.994	1.184		0.73	0.77	NO	45.7
	41 Total-tetradioxins	319.8965	25.05	8848.786	0.994	0.585		0.84	0.77	NO	22.8
	41 Total-tetradioxins	319.8965	24.33	3103.196	0.994	0.205		1.10	0.77	YES	7.3
	41 Total-tetradioxins	319.8965	24.12	49547.727	0.994	3.274		0.84	0.77	NO	124.4
	42 Total-pentadioxins	355.8546	32.24	9445.738	0.976	0.467		1.69	1.55	NO	56.4
	12 12378-PeCDD	355.8546	31.83	44346.791	0.976	2.193	2.193	1.64	1.55	NO	221.0
	42 Total-pentadioxins	355.8546	31.15	31723.850	0.976	1.569		1.42	1.55	NO	157.5
	42 Total-pentadioxins	355.8546	30.77	33070.394	0.976	1.636		1.46	1.55	NO	132.3
	42 Total-pentadioxins	355.8546	30.60	77978.717	0.976	3.857		1.65	1.55	NO	430.4
	42 Total-pentadioxins	355.8546	30.45	33093.436	0.976	1.637		1.56	1.55	NO	187.6
	42 Total-pentadioxins	355.8546	30.38	5974.796	0.976	0.296		1.94	1.55	YES	45.6
	42 Total-pentadioxins	355.8546	30.23	79698.209	0.976	3.942		1.56	1.55	NO	434.0
	42 Total-pentadioxins	355.8546	29.62	31251.195	0.976	1.546		1.58	1.55	NO	178.6
	42 Total-pentadioxins	355.8546	29.14	107259.996	0.976	5.305		1.54	1.55	NO	387.3
	43 Total-hexadioxins	389.8157	35.68	249643.742	0.928	12.950		1.25	1.24	NO	444.7
	43 Total-hexadioxins	389.8157	35.57	1478898.750	0.928	76.715		1.24	1.24	NO	1651.1
	43 Total-hexadioxins	389.8157	35.18	387325.640	0.928	20.092		1.22	1.24	NO	703.7
	43 Total-hexadioxins	389.8157	34.37	2121155.563	0.928	110.031		1.24	1.24	NO	3833.8
	43 Total-hexadioxins	389.8157	34.07	15022.895	0.928	0.779		1.16	1.24	NO	28.1
	15 123789-HxCDD	389.8157	37.11	145235.472	0.914	7.645	7.645	1.24	1.24	NO	263.0
	43 Total-hexadioxins	389.8157	36.85	69976.102	0.928	3.630		1.21	1.24	NO	122.2
	14 123678-HxCDD	389.8157	36.67	414868.515	0.902	22.104	22.104	1.23	1.24	NO	757.0
	13 123478-HxCDD	389.8157	36.55	76465.371	0.967	3.811	3.811	1.25	1.24	NO	132.7
	16 1234678-HpCDD	423.7766	41.43	11740221....	0.999	753.240	753....	1.03	1.05	NO	13602.3
	44 Total-heptadioxins	423.7766	40.18	26672514....	0.999	1711.2...		1.03	1.05	NO	32019.6
	17 OCDD	457.7377	47.40	45876788....	0.979	6245.7...	6245...	0.89	0.89	NO	56972.7

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TotalTEQ,Furans,Dioxins

	#	Name		RT		RRF		EMPC				S/N
	35	Total-tetrafurans	303.9016	24.99	10130.488	0.867	0.736		0.68	0.77	NO	16.7
	35	Total-tetrafurans	303.9016	24.82	4165.052	0.867	0.302		0.40	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	24.75	16540.717	0.867	1.201		0.68	0.77	NO	21.7
	35	Total-tetrafurans	303.9016	24.32	2412.319	0.867	0.175		0.56	0.77	YES	4.1
	35	Total-tetrafurans	303.9016	24.18	3727.161	0.867	0.271		0.48	0.77	YES	6.4
	35	Total-tetrafurans	303.9016	24.08	5290.919	0.867	0.384		0.68	0.77	NO	10.4
	35	Total-tetrafurans	303.9016	23.90	2422.641	0.867	0.176		0.73	0.77	NO	4.7
	35	Total-tetrafurans	303.9016	23.84	3250.542	0.867	0.236		1.02	0.77	YES	6.0
	35	Total-tetrafurans	303.9016	23.72	2747.453	0.867	0.199		0.55	0.77	YES	4.2
	35	Total-tetrafurans	303.9016	23.60	7300.808	0.867	0.530		0.76	0.77	NO	10.0
	35	Total-tetrafurans	303.9016	23.42	22773.702	0.867	1.654		0.76	0.77	NO	39.6
	35	Total-tetrafurans	303.9016	22.84	4054.447	0.867	0.294		0.59	0.77	YES	6.3
	35	Total-tetrafurans	303.9016	22.57	2833.168	0.867	0.206		0.57	0.77	YES	5.0
	35	Total-tetrafurans	303.9016	27.53	8877.784	0.867	0.645		0.81	0.77	NO	12.0
	35	Total-tetrafurans	303.9016	26.30	11539.941	0.867	0.838		0.67	0.77	NO	20.1
	35	Total-tetrafurans	303.9016	26.21	9111.779	0.867	0.662		0.71	0.77	NO	15.3
	1	2378-TCDF	303.9016	26.08	18689.019	0.867	1.357	1.357	0.74	0.77	NO	36.2
	35	Total-tetrafurans	303.9016	25.90	4272.253	0.867	0.310		1.06	0.77	YES	9.8
	35	Total-tetrafurans	303.9016	25.84	6429.665	0.867	0.467		0.80	0.77	NO	13.6
	35	Total-tetrafurans	303.9016	25.57	7335.797	0.867	0.533		0.89	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	25.38	1855.251	0.867	0.135		0.85	0.77	NO	3.5
	35	Total-tetrafurans	303.9016	25.17	12273.318	0.867	0.891		0.67	0.77	NO	22.8
	37	Total-pentafurans	339.8597	29.87	44029.381	0.877	1.764		1.44	1.55	NO	168.1
	37	Total-pentafurans	339.8597	29.77	4084.452	0.877	0.164		1.38	1.55	NO	21.1
	37	Total-pentafurans	339.8597	29.65	4560.199	0.877	0.183		1.38	1.55	NO	18.8
	37	Total-pentafurans	339.8597	29.16	71933.978	0.877	2.882		1.45	1.55	NO	334.3
	37	Total-pentafurans	339.8597	29.08	28040.781	0.877	1.124		1.55	1.55	NO	190.5
	37	Total-pentafurans	339.8597	28.95	15235.824	0.877	0.611		1.38	1.55	NO	57.4
	37	Total-pentafurans	339.8597	28.87	3861.335	0.877	0.155		1.49	1.55	NO	22.2
	37	Total-pentafurans	339.8597	32.62	4329.890	0.877	0.174		1.48	1.55	NO	20.4
	3	23478-PeCDF	339.8597	31.58	32902.230	0.880	1.289	1.289	1.51	1.55	NO	159.9
	37	Total-pentafurans	339.8597	31.43	26647.794	0.877	1.068		1.45	1.55	NO	130.5
	37	Total-pentafurans	339.8597	31.31	11526.601	0.877	0.462		1.52	1.55	NO	63.1
	37	Total-pentafurans	339.8597	30.54	3103.302	0.877	0.124		1.56	1.55	NO	17.2
	37	Total-pentafurans	339.8597	30.43	25459.911	0.877	1.020		1.37	1.55	NO	119.9
	2	12378-PeCDF	339.8597	30.23	31060.947	0.875	1.274	1.274	1.40	1.55	NO	156.3
	7	123789-HxCDF	373.8208	37.49	37977.474	0.959	1.689	1.689	1.15	1.24	NO	107.0
	5	234678-HxCDF	373.8208	36.42	42036.080	1.088	1.801	1.801	1.18	1.24	NO	125.8
	38	Total-hexafurans	373.8208	35.80	3616.493	1.030	0.152		1.47	1.24	YES	11.1
	6	123678-HxCDF	373.8208	35.45	53893.687	1.025	2.183	2.183	1.13	1.24	NO	136.7
	4	123478-HxCDF	373.8208	35.30	108587.489	1.048	4.483	4.483	1.15	1.24	NO	284.7
	38	Total-hexafurans	373.8208	35.12	10532.106	1.030	0.444		1.26	1.24	NO	32.2
	38	Total-hexafurans	373.8208	34.64	1599612.376	1.030	67.445		1.19	1.24	NO	4434.5
	38	Total-hexafurans	373.8208	34.32	11388.968	1.030	0.480		1.08	1.24	NO	27.6
	38	Total-hexafurans	373.8208	33.77	709211.187	1.030	29.903		1.20	1.24	NO	1929.0
	38	Total-hexafurans	373.8208	33.56	247589.664	1.030	10.439		1.17	1.24	NO	690.6
	9	1234789-HpCDF	407.7818	42.31	70562.864	1.200	5.055	5.055	1.04	1.05	NO	162.8
	39	Total-heptafurans	407.7818	41.44	5375.801	1.207	0.332		1.07	1.05	NO	13.2
	39	Total-heptafurans	407.7818	40.41	3588381.125	1.207	221.310		1.01	1.05	NO	9209.9

D: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	39 Total-heptafurans	407.7818	40.17	13080.355	1.207	0.807		1.21	1.05	NO	35.4
	39 Total-heptafurans	407.7818	40.11	12088.967	1.207	0.746		0.89	1.05	YES	35.0
	8 1234678-HpCDF	407.7818	39.62	1509126.438	1.215	81.587	81.587	1.00	1.05	NO	3963.2
	10 OCDF	441.7428	47.67	2708436.750	1.064	339.223	339....	0.86	0.89	NO	7016.2
	36 Total-penta1	339.8597	27.50	374631.860		14.358		1.59	1.55	NO	2739.5
	41 Total-tetradioxins	319.8965	23.85	58007.933	0.994	3.833		0.75	0.77	NO	144.3
	41 Total-tetradioxins	319.8965	27.29	2601.628	0.994	0.172		0.76	0.77	NO	4.8
	41 Total-tetradioxins	319.8965	26.86	6198.875	0.994	0.410		0.78	0.77	NO	14.4
	11 2378-TCDD	319.8965	26.72	5420.313	0.994	0.358	0.311	0.61	0.77	YES	11.5
	41 Total-tetradioxins	319.8965	26.33	22016.558	0.994	1.455		0.73	0.77	NO	43.8
	41 Total-tetradioxins	319.8965	25.90	7564.558	0.994	0.500		0.61	0.77	YES	15.0
	41 Total-tetradioxins	319.8965	25.69	9143.857	0.994	0.604		0.81	0.77	NO	20.4
	41 Total-tetradioxins	319.8965	25.33	17918.946	0.994	1.184		0.73	0.77	NO	45.7
	41 Total-tetradioxins	319.8965	25.05	8848.786	0.994	0.585		0.84	0.77	NO	22.8
	41 Total-tetradioxins	319.8965	24.33	3103.196	0.994	0.205		1.10	0.77	YES	7.3
	41 Total-tetradioxins	319.8965	24.12	49547.727	0.994	3.274		0.84	0.77	NO	124.4
	42 Total-pentadioxins	355.8546	32.24	9445.738	0.976	0.467		1.69	1.55	NO	56.4
	12 12378-PeCDD	355.8546	31.83	44346.791	0.976	2.193	2.193	1.64	1.55	NO	221.0
	42 Total-pentadioxins	355.8546	31.15	31723.850	0.976	1.569		1.42	1.55	NO	157.5
	42 Total-pentadioxins	355.8546	30.77	33070.394	0.976	1.636		1.46	1.55	NO	132.3
	42 Total-pentadioxins	355.8546	30.60	77978.717	0.976	3.857		1.65	1.55	NO	430.4
	42 Total-pentadioxins	355.8546	30.45	33093.436	0.976	1.637		1.56	1.55	NO	187.6
	42 Total-pentadioxins	355.8546	30.38	5974.796	0.976	0.296		1.94	1.55	YES	45.6
	42 Total-pentadioxins	355.8546	30.23	79698.209	0.976	3.942		1.56	1.55	NO	434.0
	42 Total-pentadioxins	355.8546	29.62	31251.195	0.976	1.546		1.58	1.55	NO	178.6
	42 Total-pentadioxins	355.8546	29.14	107259.996	0.976	5.305		1.54	1.55	NO	387.3
	43 Total-hexadioxins	389.8157	35.68	249643.742	0.928	12.950		1.25	1.24	NO	444.7
	43 Total-hexadioxins	389.8157	35.57	1478898.750	0.928	76.715		1.24	1.24	NO	1651.1
	43 Total-hexadioxins	389.8157	35.18	387325.640	0.928	20.092		1.22	1.24	NO	703.7
	43 Total-hexadioxins	389.8157	34.37	2121155.563	0.928	110.031		1.24	1.24	NO	3833.8
	43 Total-hexadioxins	389.8157	34.07	15022.895	0.928	0.779		1.16	1.24	NO	28.1
	15 123789-HxCDD	389.8157	37.11	145235.472	0.914	7.645	7.645	1.24	1.24	NO	263.0
	43 Total-hexadioxins	389.8157	36.85	69976.102	0.928	3.630		1.21	1.24	NO	122.2
	14 123678-HxCDD	389.8157	36.67	414868.515	0.902	22.104	22.104	1.23	1.24	NO	757.0
	13 123478-HxCDD	389.8157	36.55	76465.371	0.967	3.811	3.811	1.25	1.24	NO	132.7
	16 1234678-HpCDD	423.7766	41.43	11740221....	0.999	753.240	753....	1.03	1.05	NO	13602.3
	44 Total-heptadioxins	423.7766	40.18	26672514....	0.999	1711.2...		1.03	1.05	NO	32019.6
	17 OCDD	457.7377	47.40	45876788....	0.979	6245.7...	6245...	0.89	0.89	NO	56972.7

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Last Altered: Thursday, August 29, 2013 10:01:17 Pacific Daylight Time
Printed: Thursday, August 29, 2013 10:04:10 Pacific Daylight Time

D: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

PFK1

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ID: XB89B, Name: 13082814, Date: 28-Aug-2013, Time: 21:57:38, Conditions: AUTOSPEC01, User: pk

PFK2

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Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

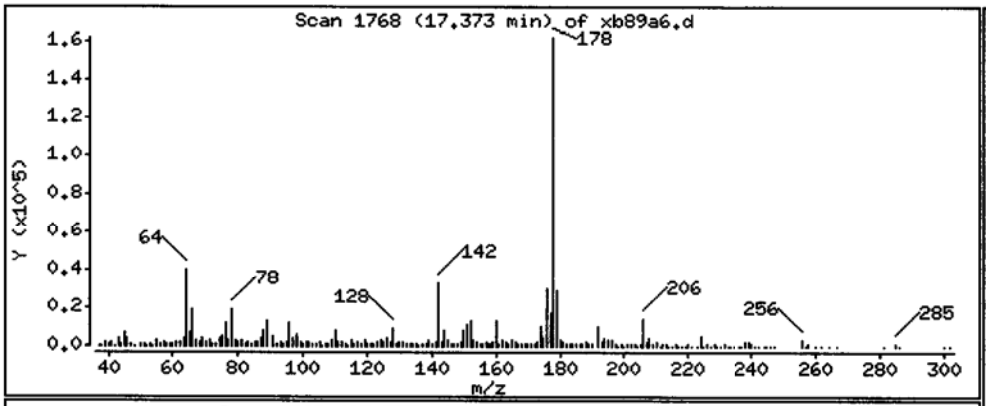
Operator: VTS/YZ

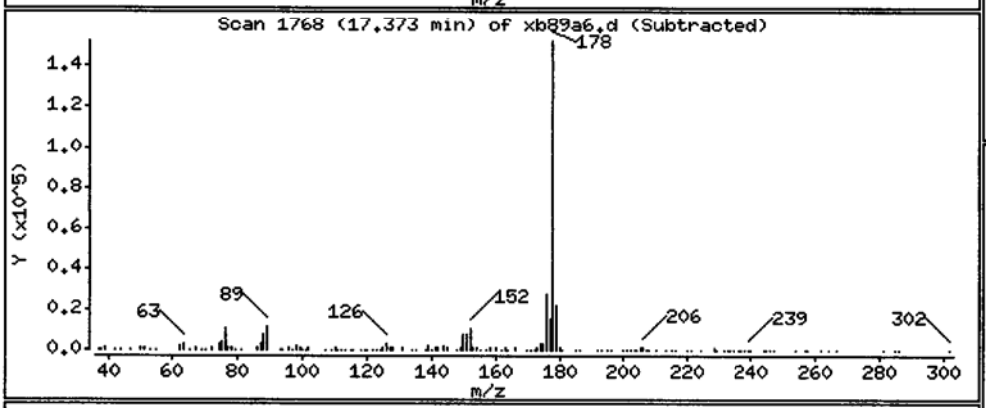
Column phase: ZB-5msi

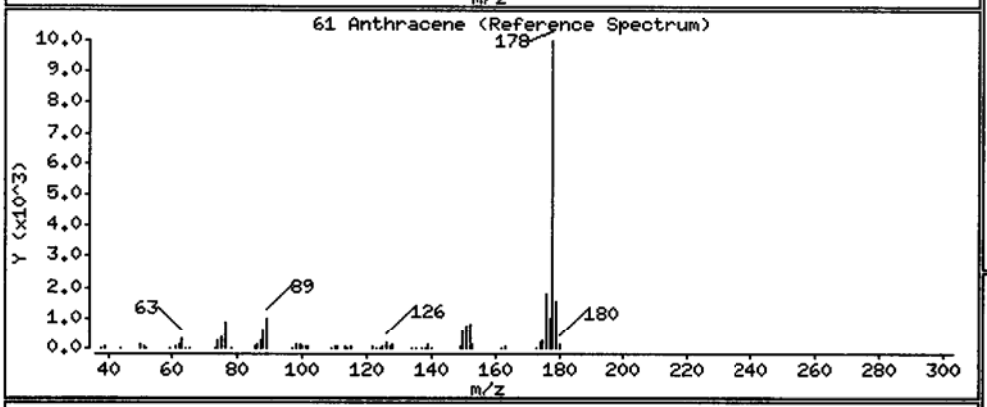
Column diameter: 0.25

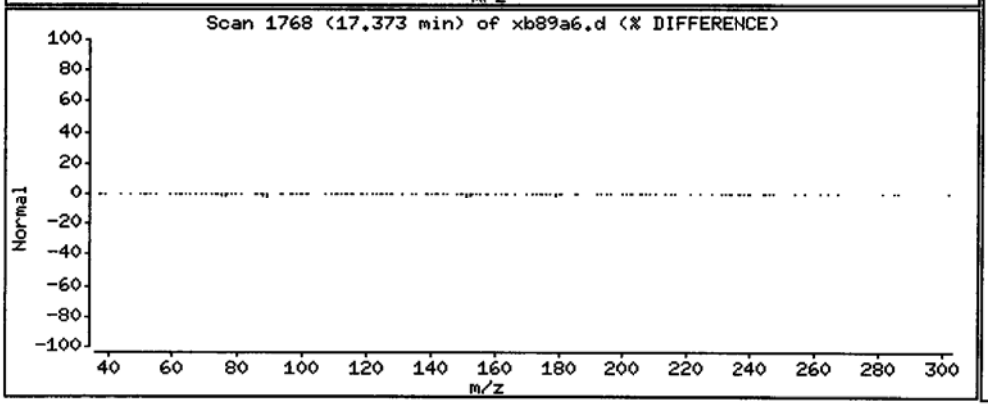
61 Anthracene

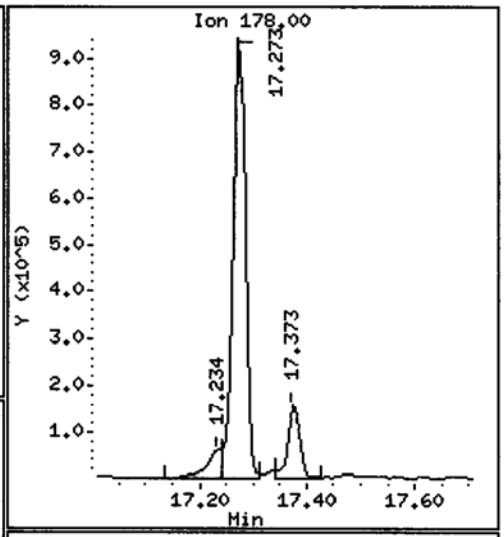
Concentration: 1211 ug/kg

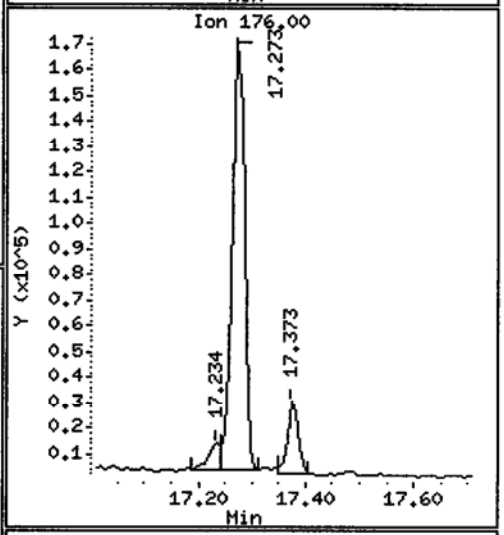


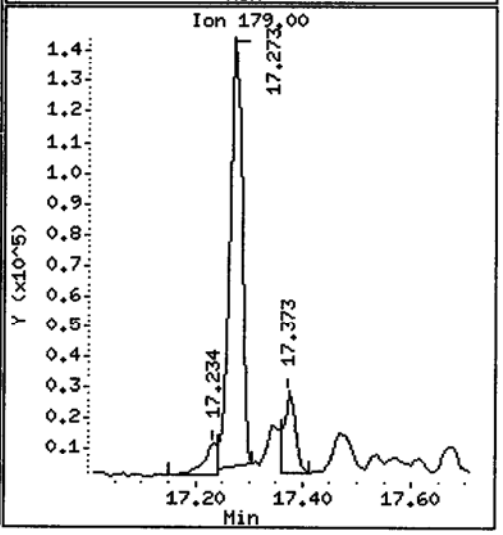












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

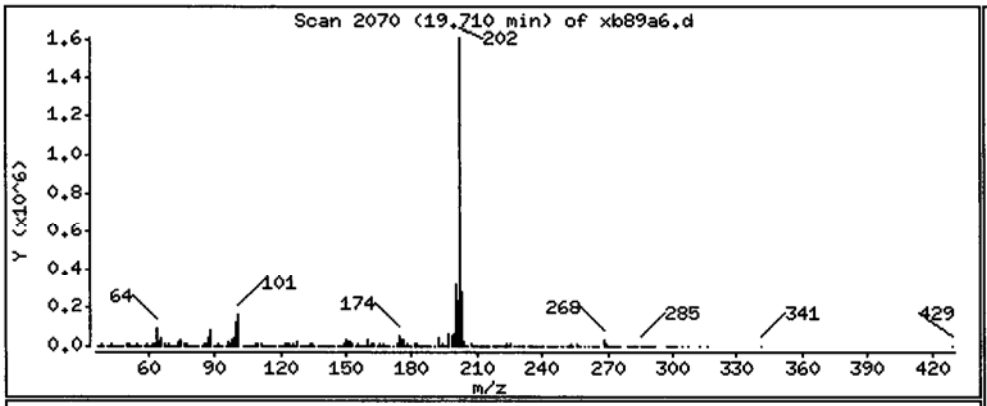
Operator: VTS/YZ

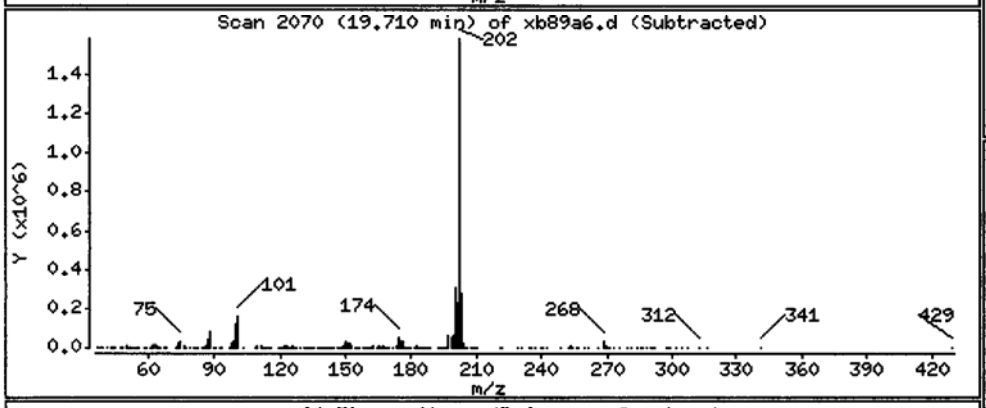
Column phase: ZB-5msi

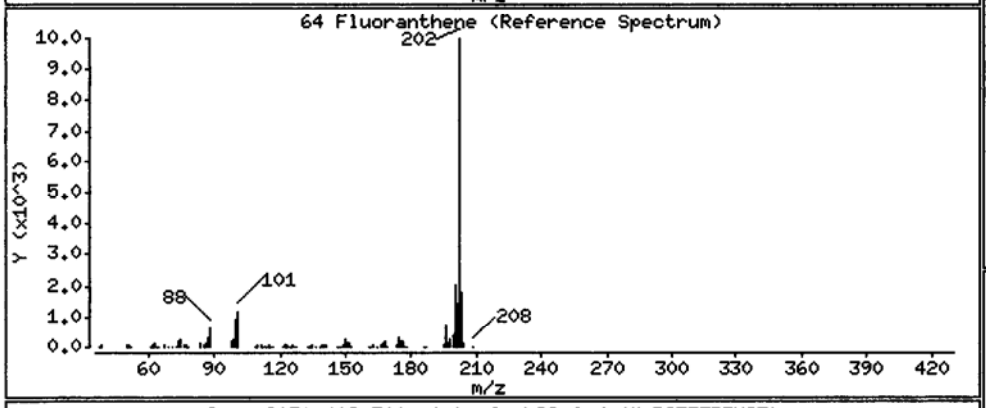
Column diameter: 0.25

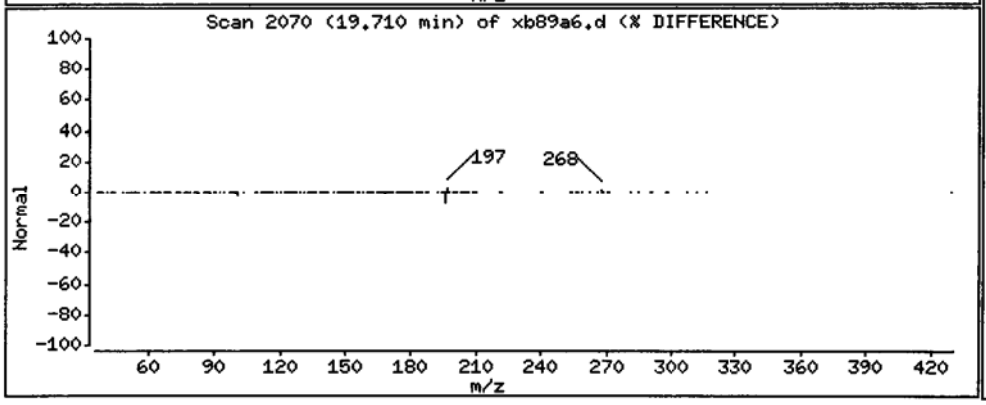
64 Fluoranthene

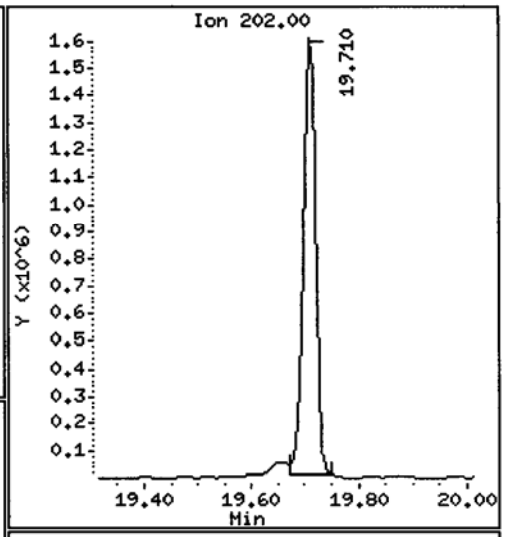
Concentration: 11220 ug/kg

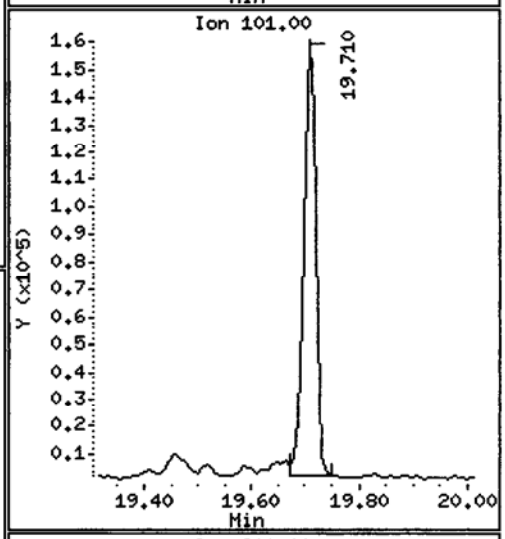


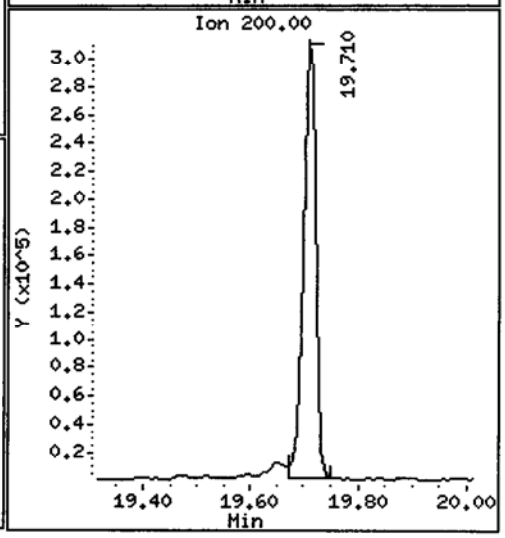












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

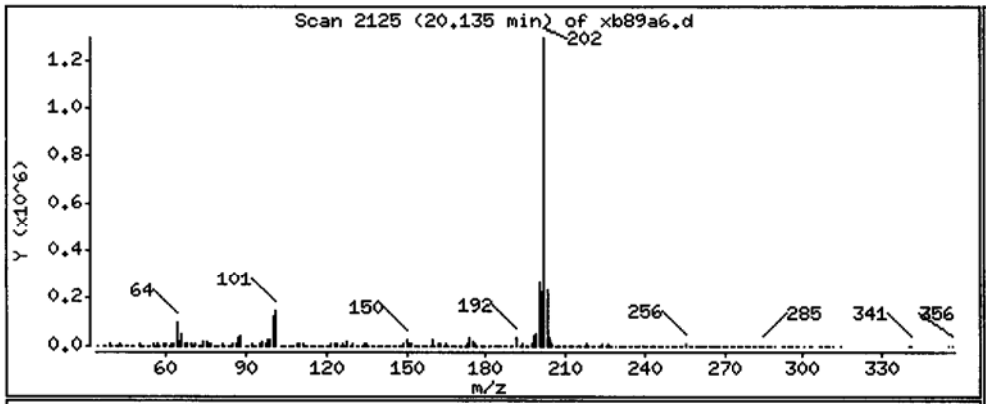
Operator: VTS/YZ

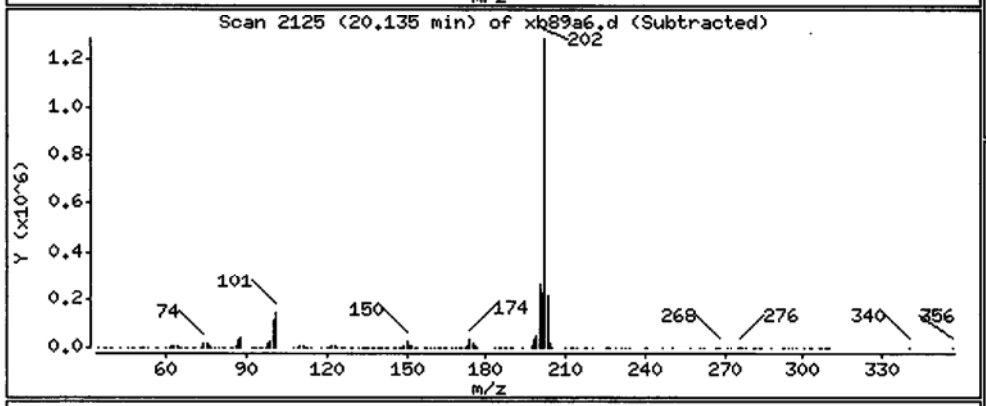
Column phase: ZB-5msi

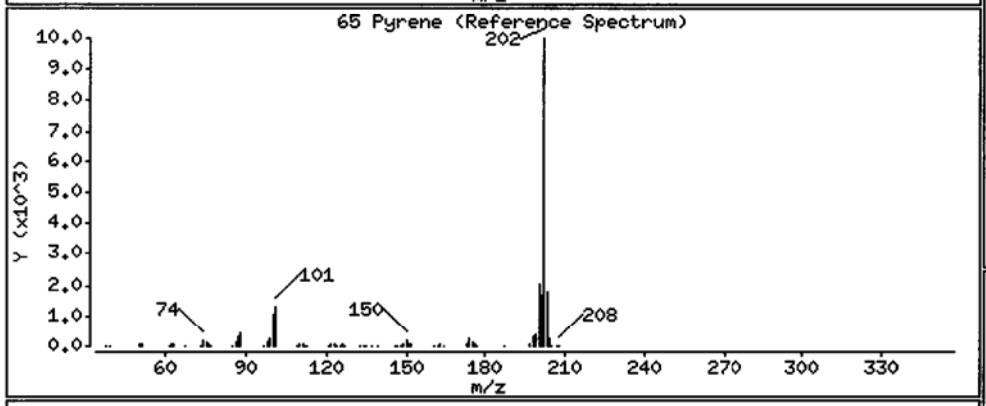
Column diameter: 0.25

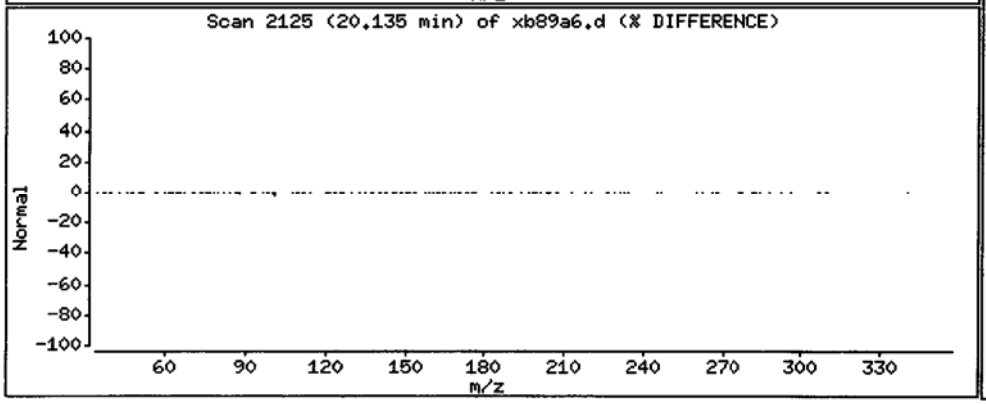
65 Pyrene

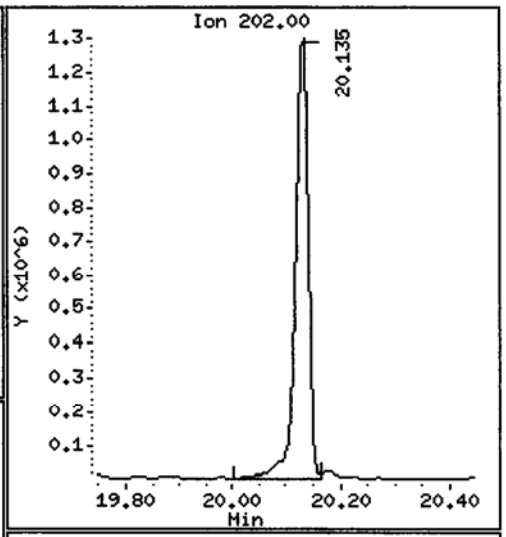
Concentration: 8710 ug/kg

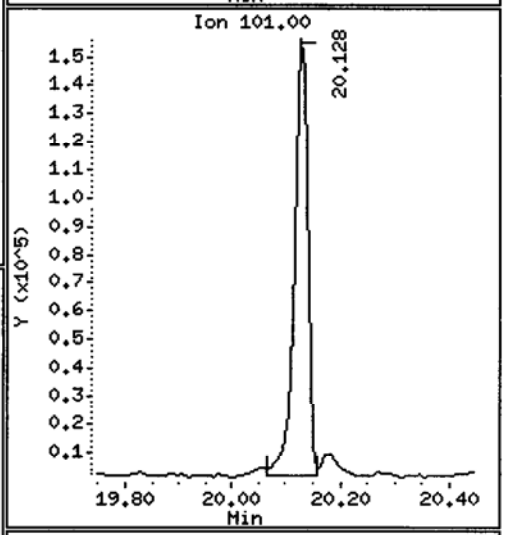


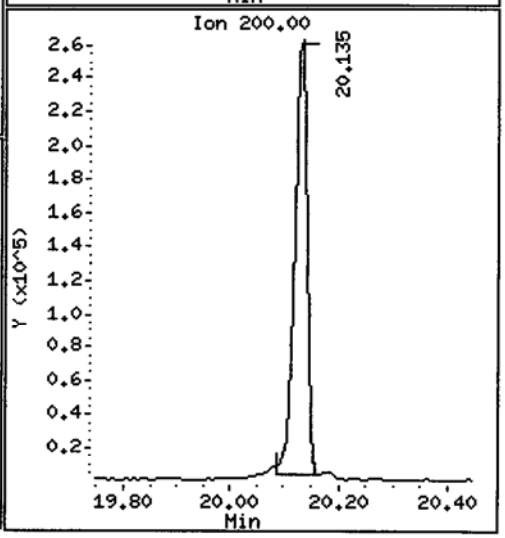












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

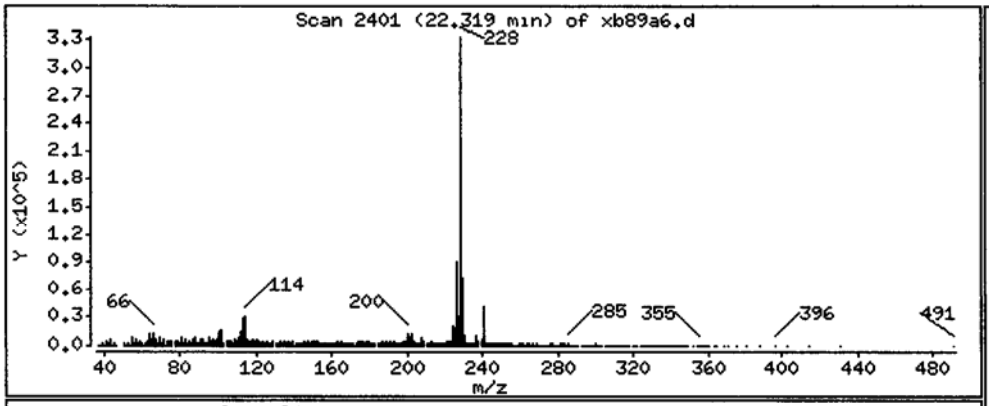
Operator: VTS/YZ

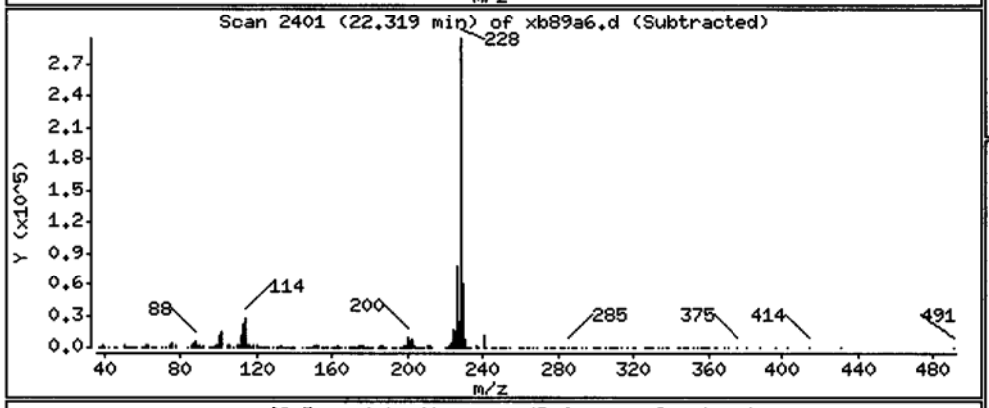
Column phase: ZB-5msi

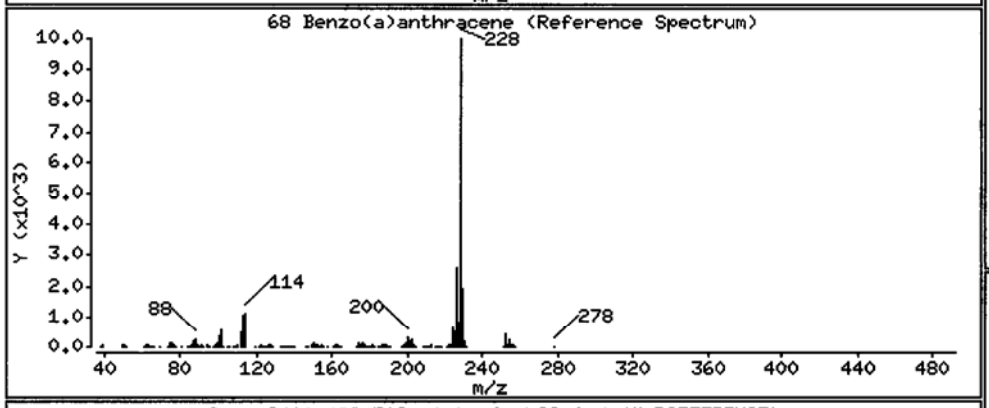
Column diameter: 0.25

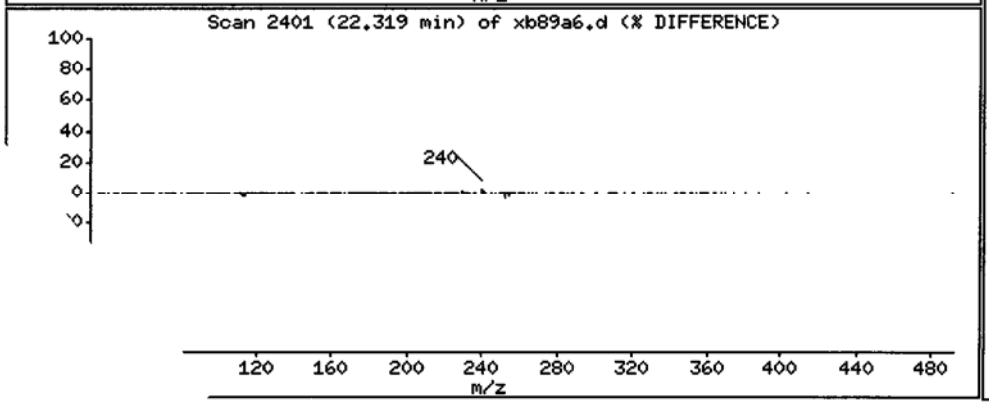
68 Benzo(a)anthracene

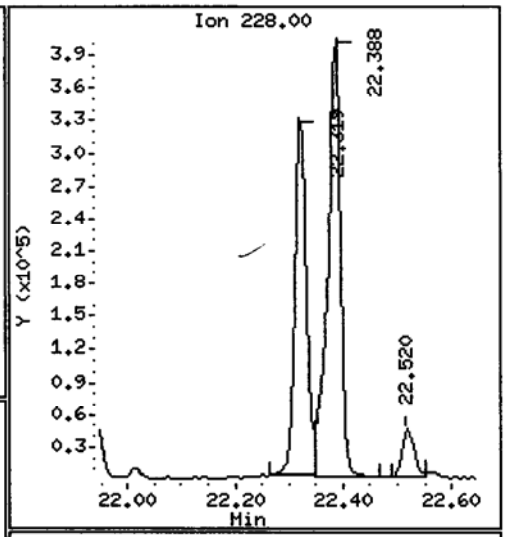
Concentration: 2375 ug/kg

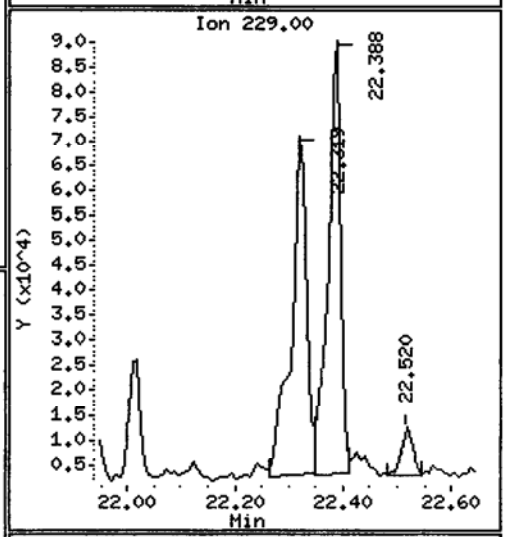


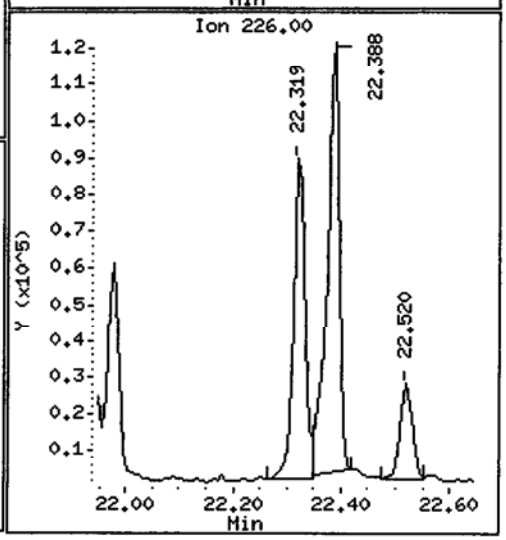












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

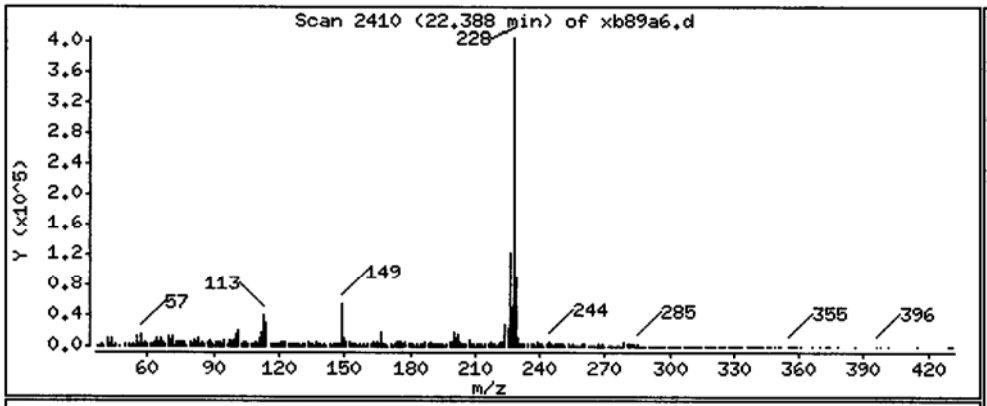
Operator: VTS/YZ

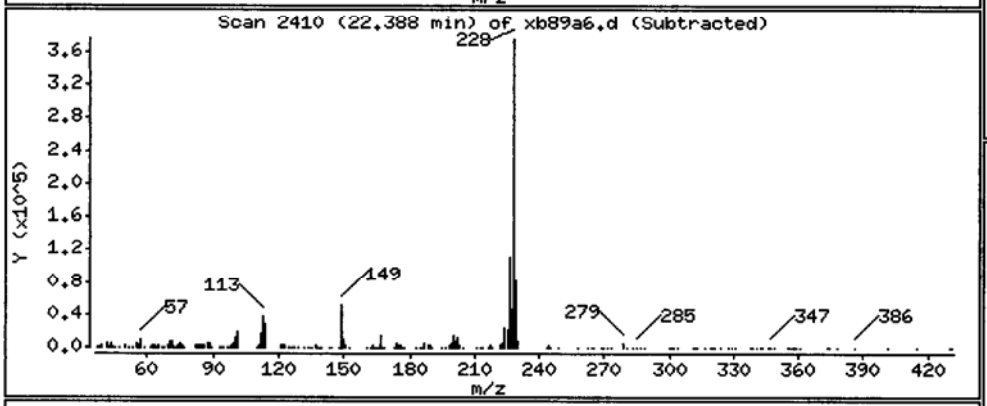
Column phase: ZB-5msi

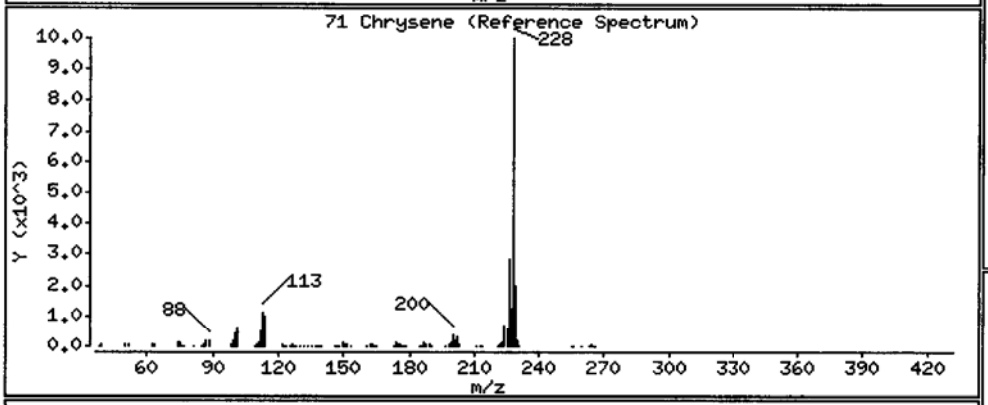
Column diameter: 0.25

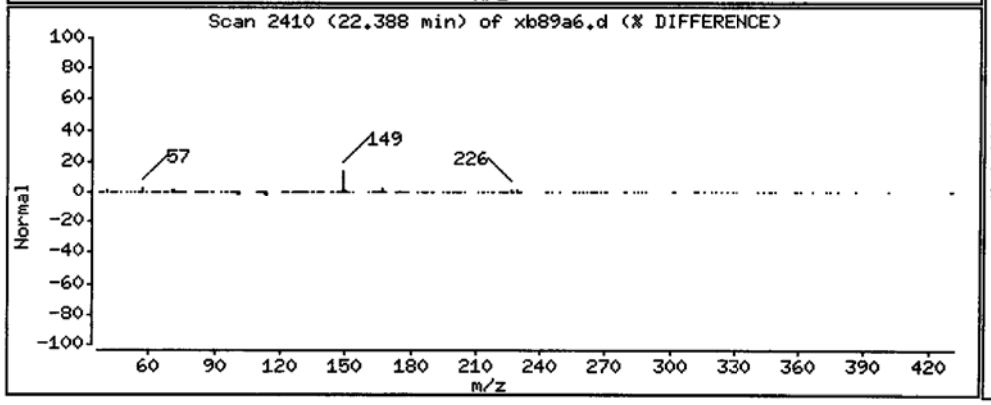
71 Chrysene

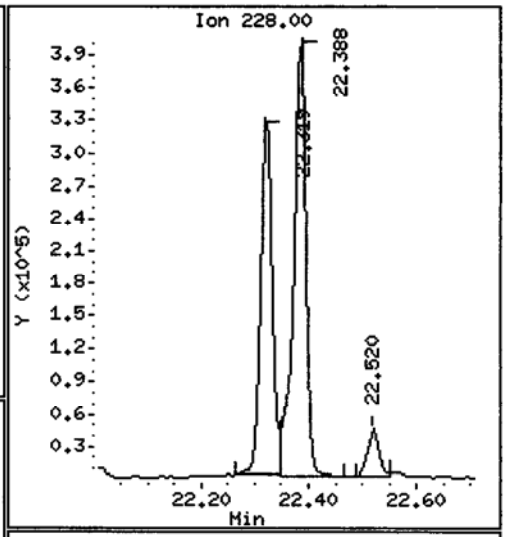
Concentration: 3510 ug/kg

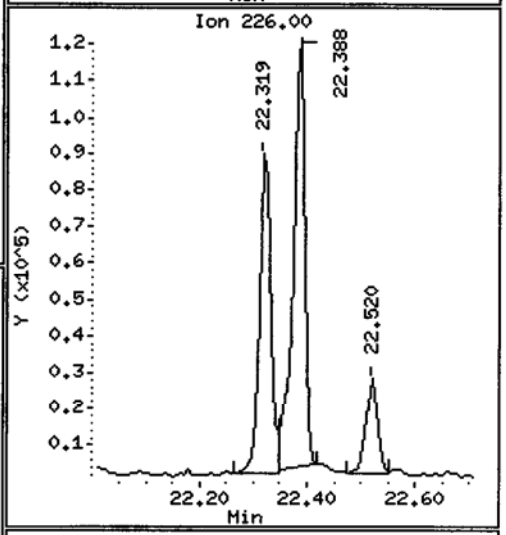


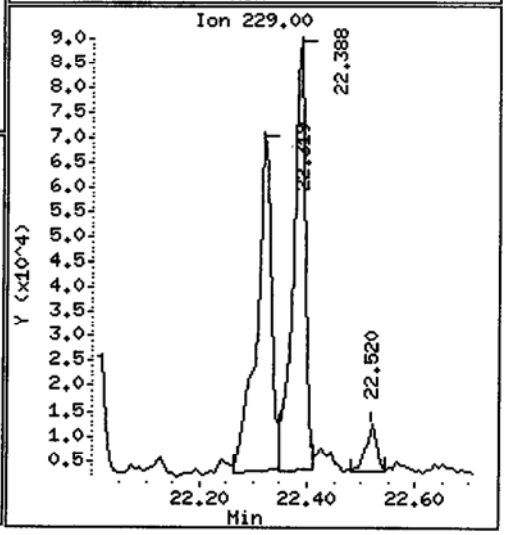












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

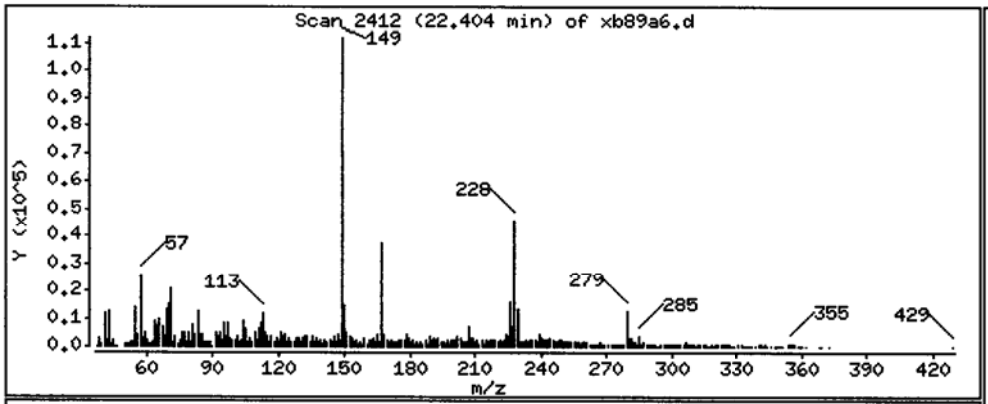
Operator: VTS/YZ

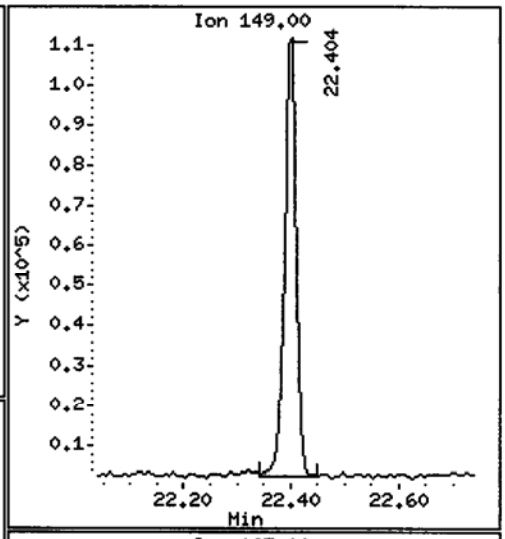
Column phase: ZB-5msi

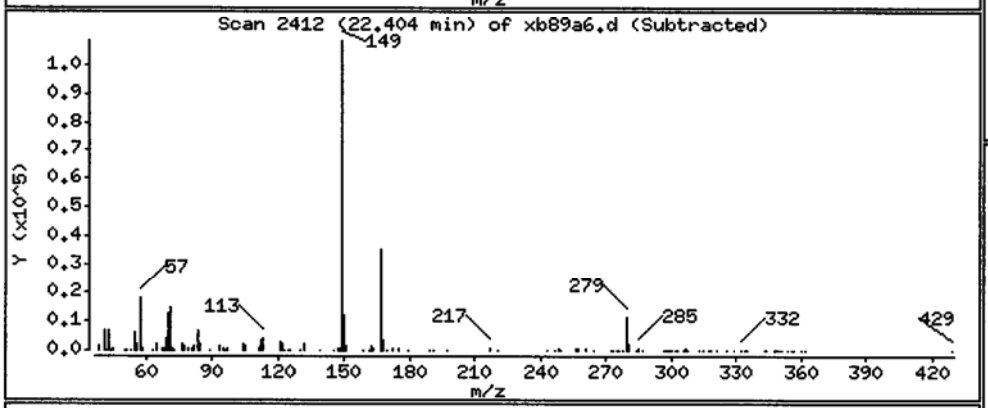
Column diameter: 0.25

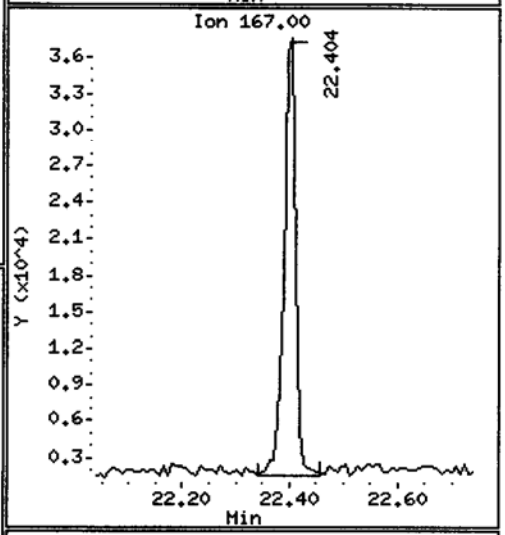
72 bis(2-Ethylhexyl)phthalate

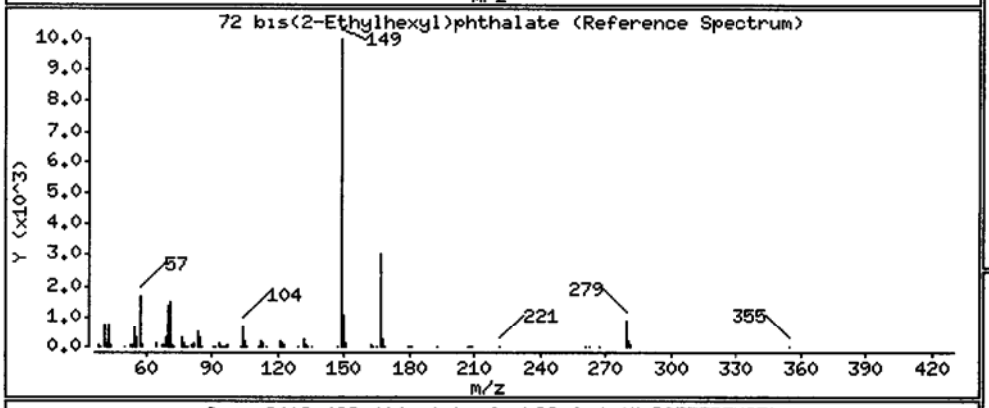
Concentration: 1269 ug/kg

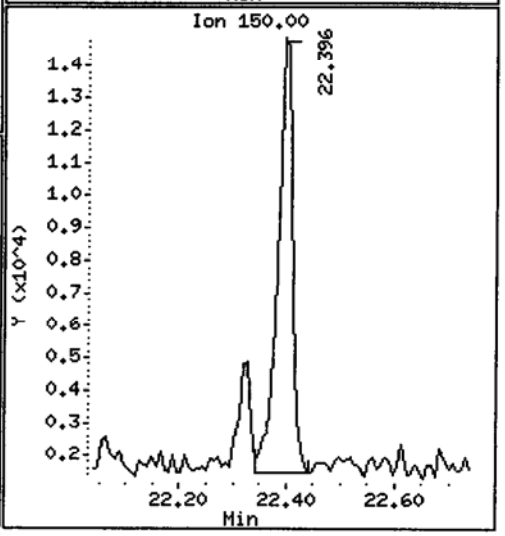


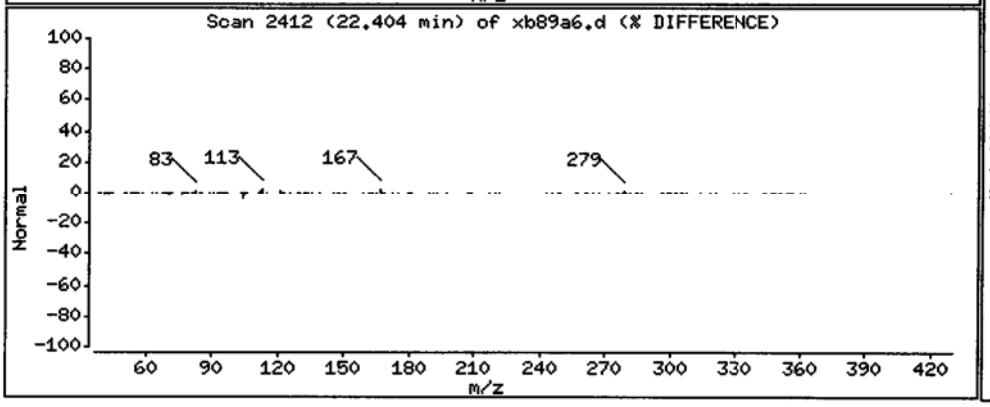












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

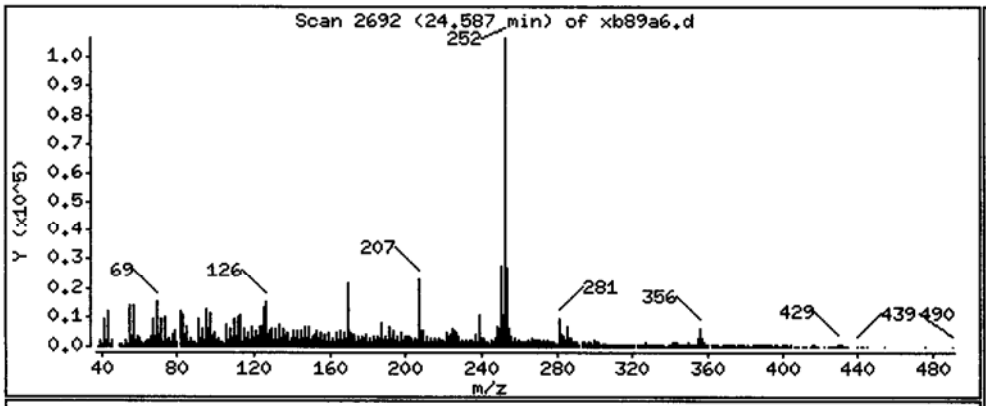
Operator: VTS/YZ

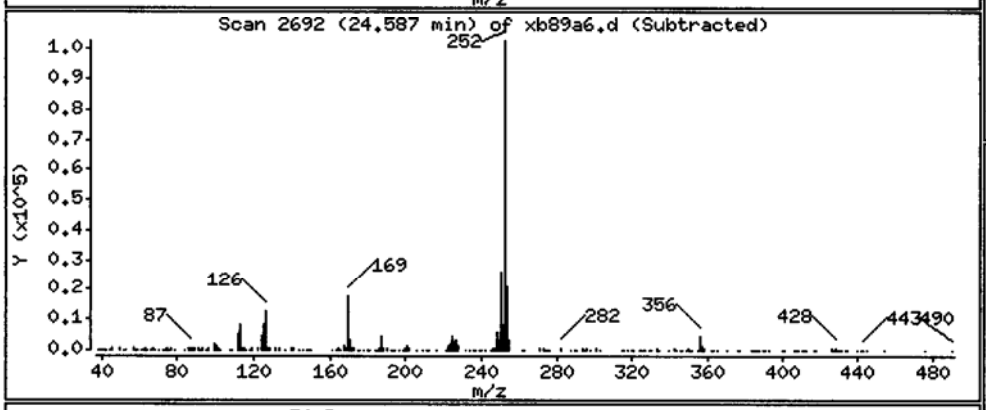
Column phase: ZB-5msi

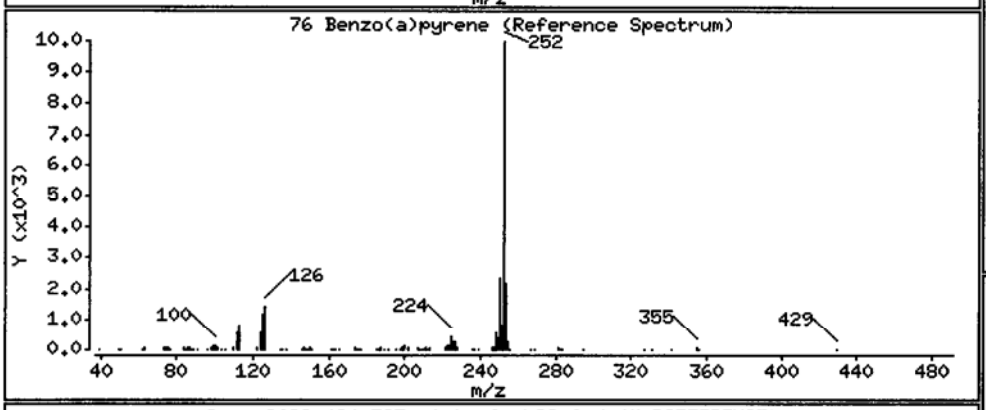
Column diameter: 0.25

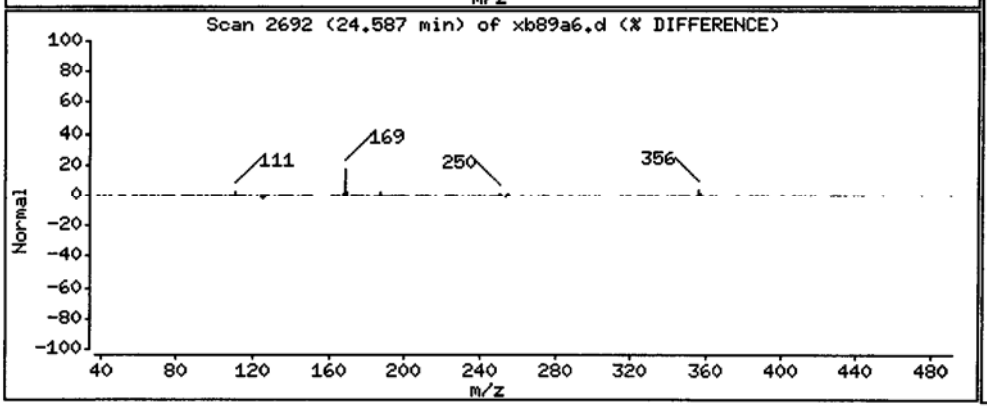
76 Benzo(a)pyrene

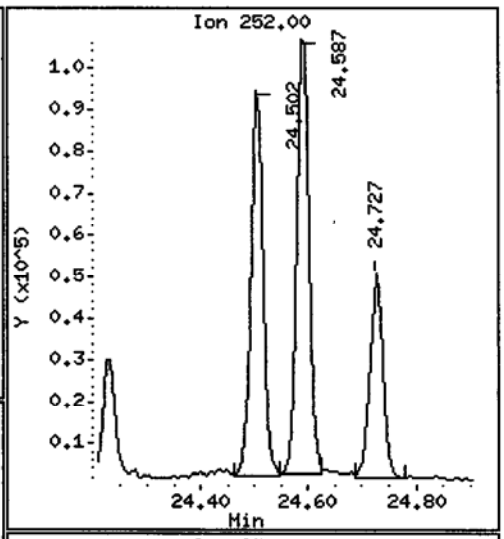
Concentration: 836.6 ug/kg

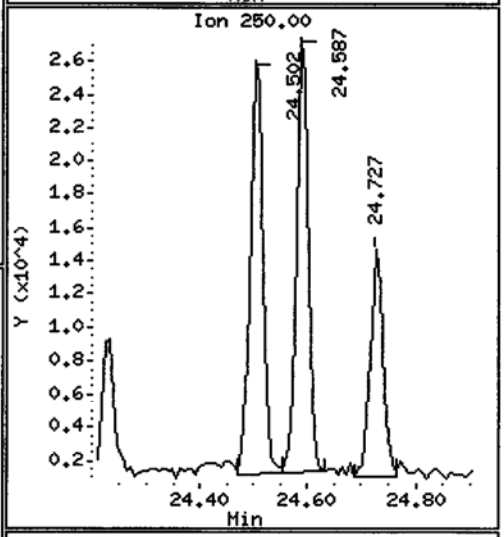


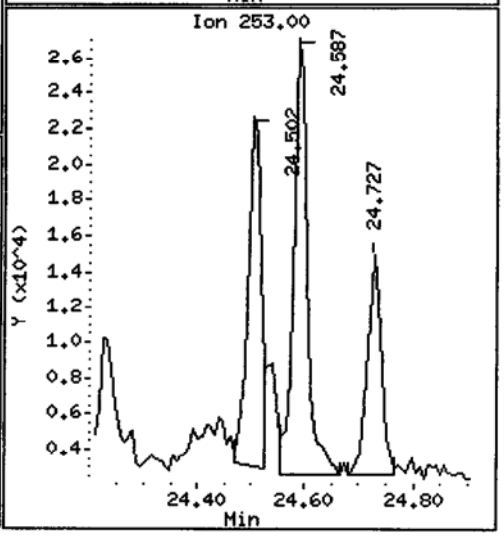












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

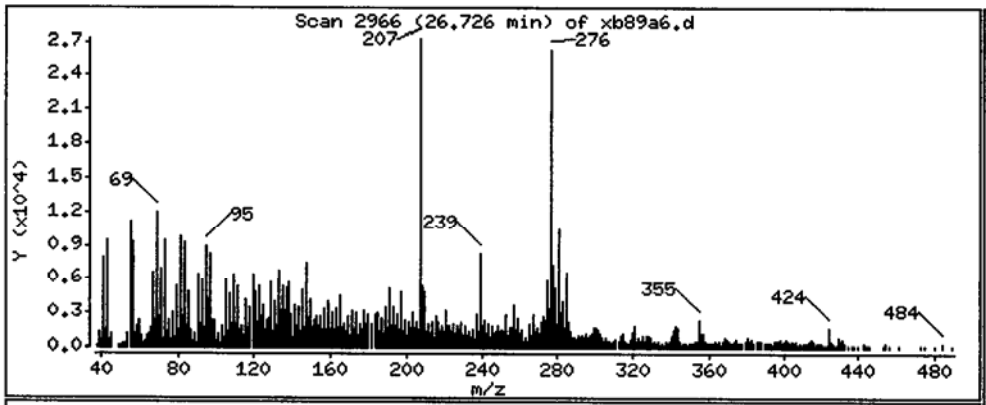
Operator: VTS/YZ

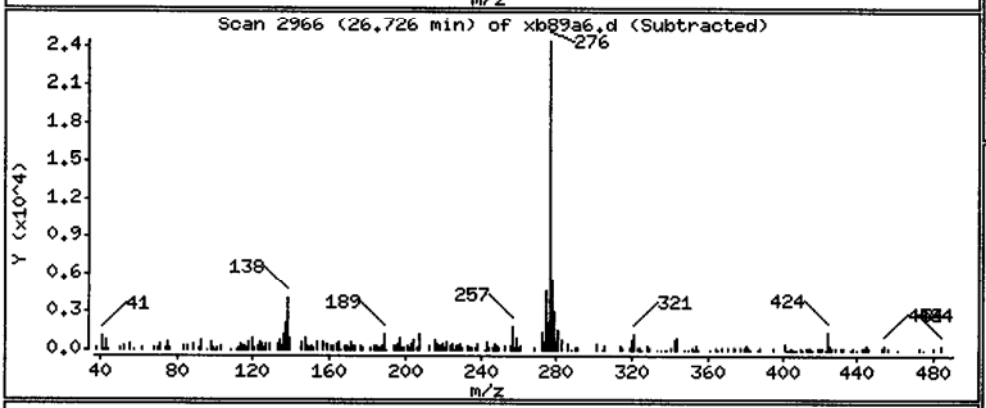
Column phase: ZB-5msi

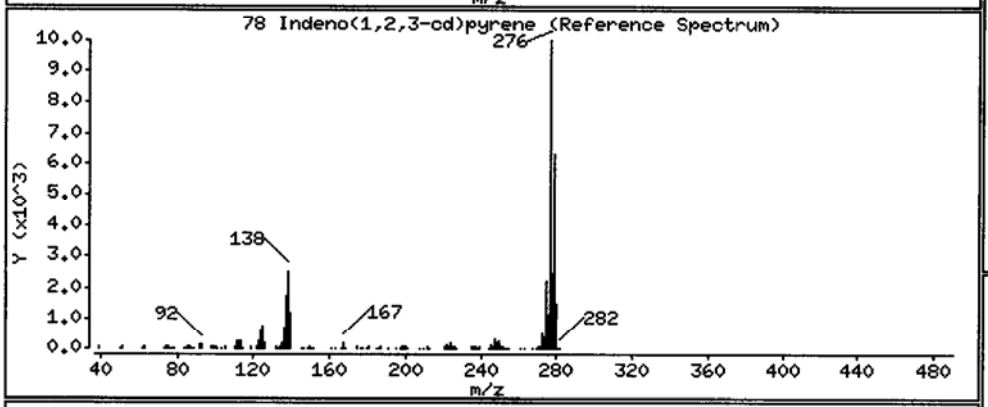
Column diameter: 0.25

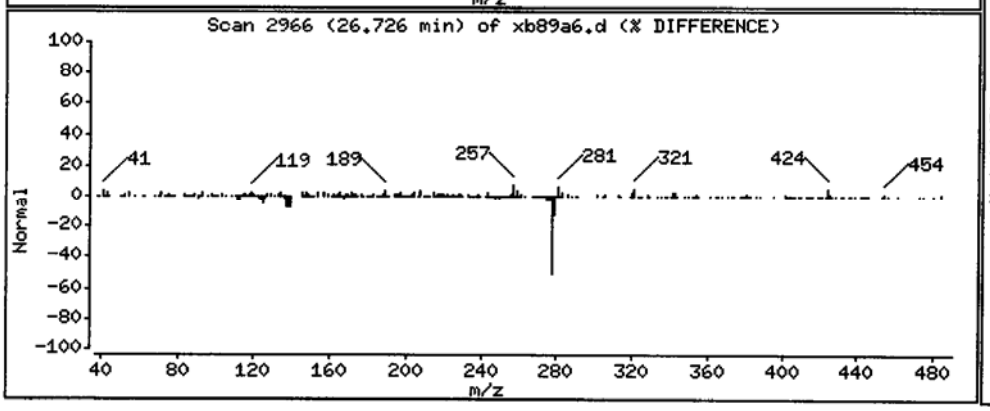
78 Indeno(1,2,3-cd)pyrene

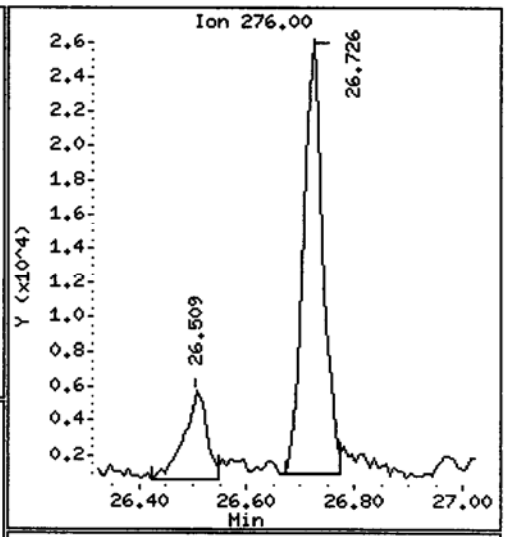
Concentration: 257.5 ug/kg

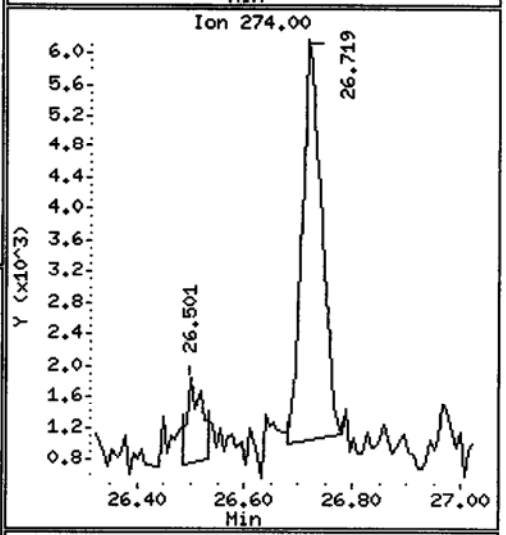


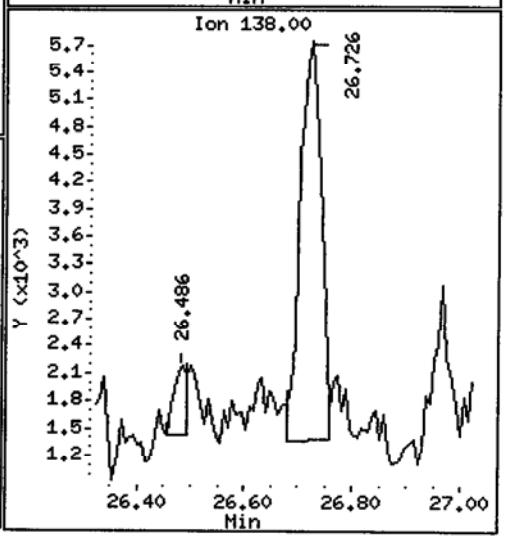












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

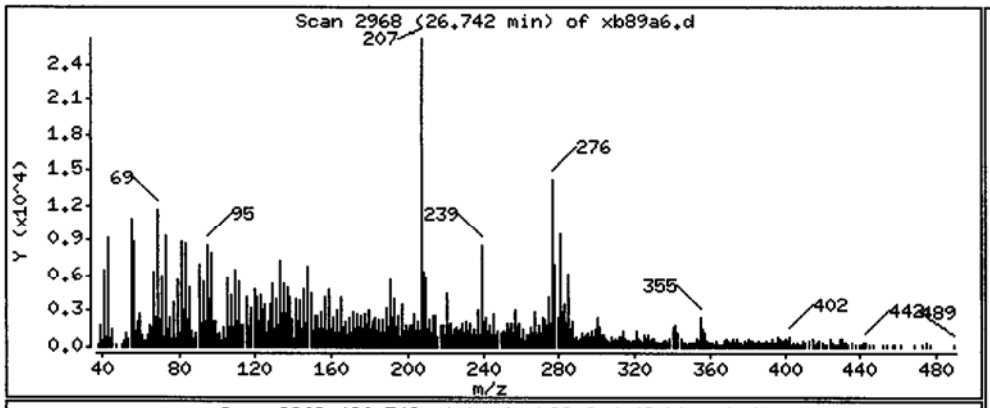
Operator: VTS/YZ

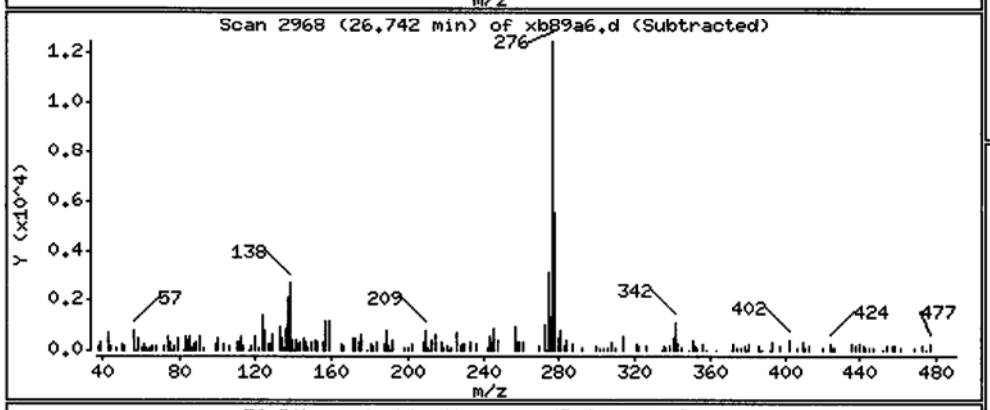
Column phase: ZB-5msi

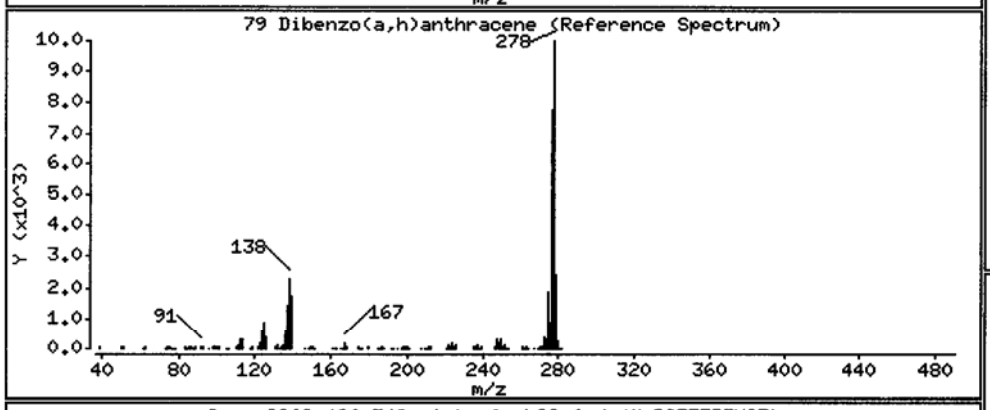
Column diameter: 0.25

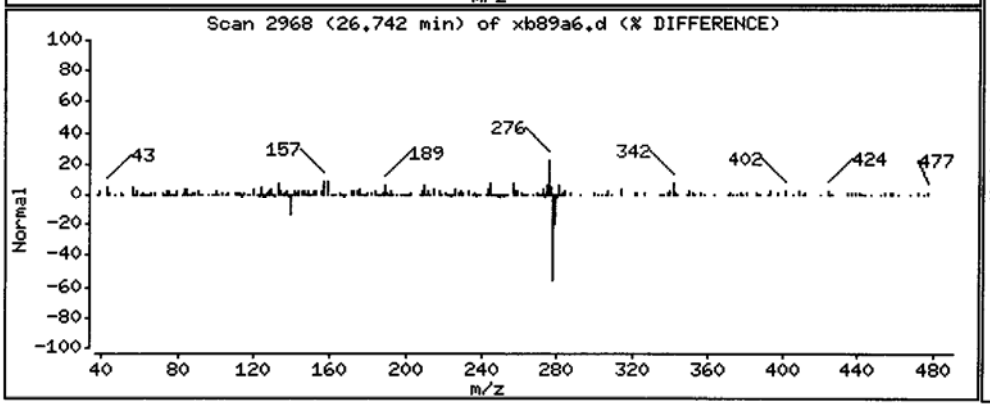
79 Dibenzo(a,h)anthracene

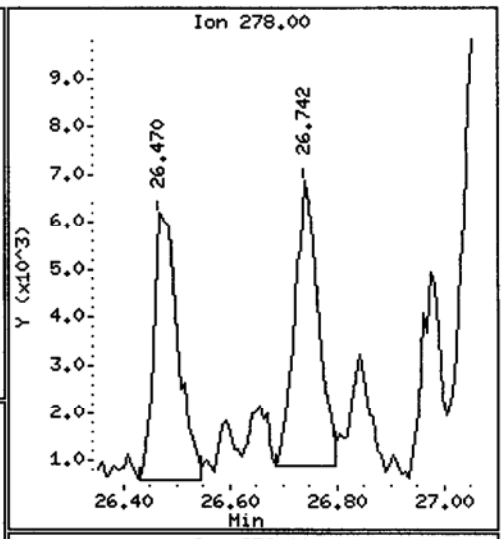
Concentration: 92.93 ug/kg

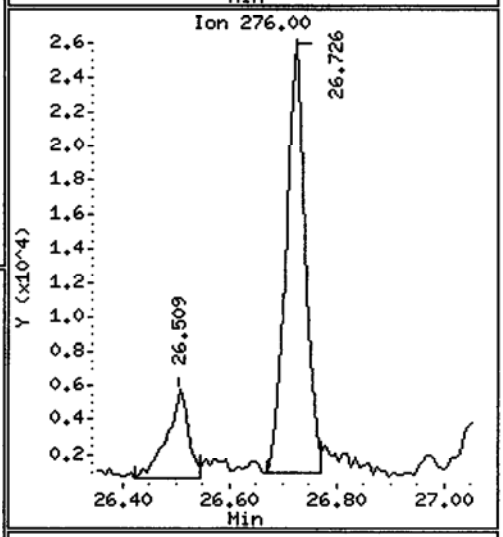


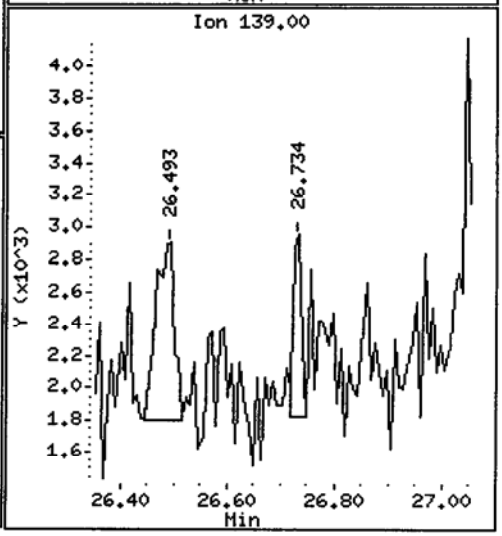












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

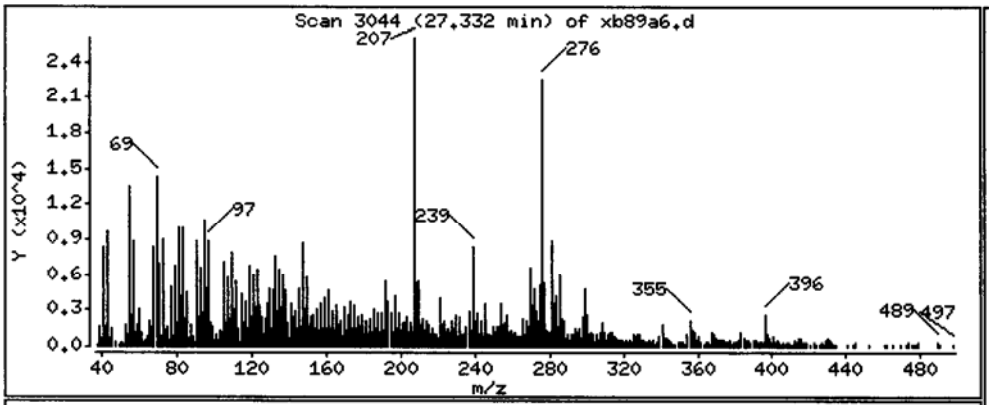
Operator: VTS/YZ

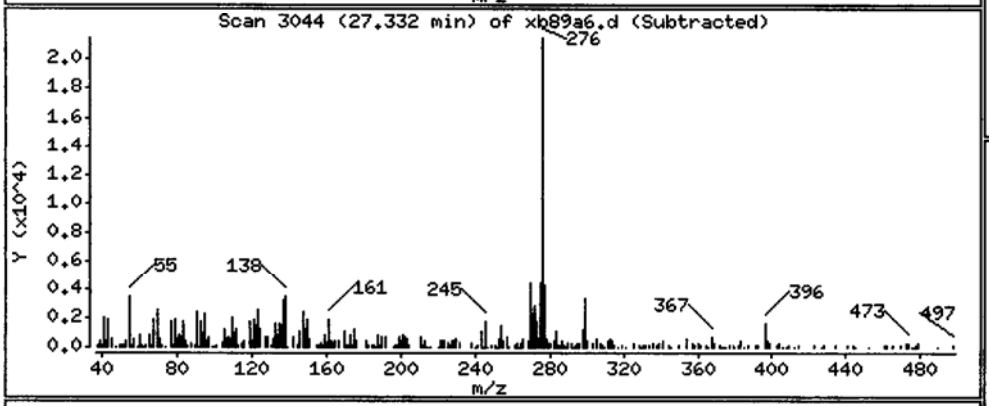
Column phase: ZB-5msi

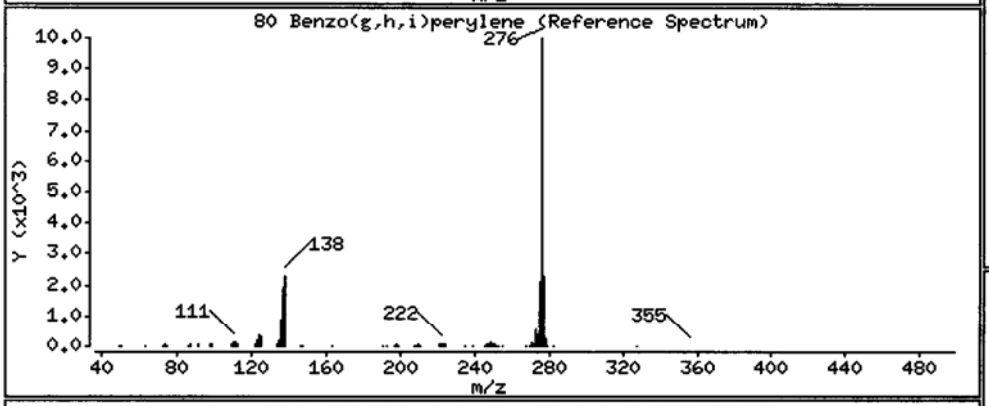
Column diameter: 0.25

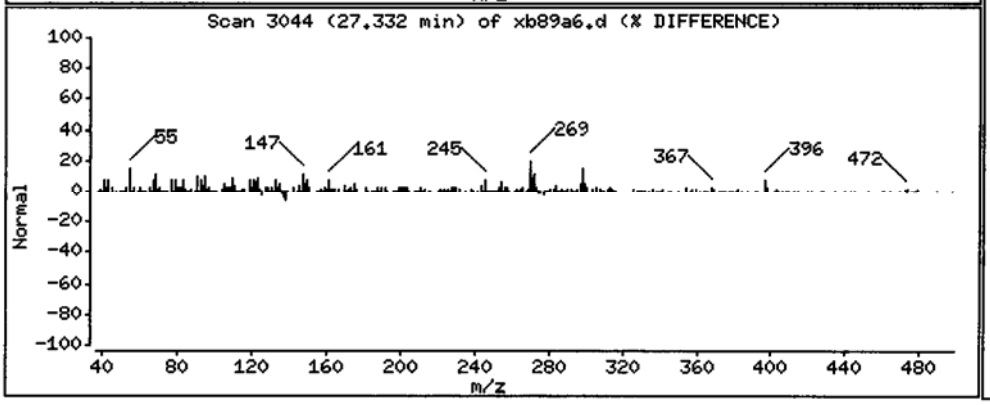
80 Benzo(g,h,i)perylene

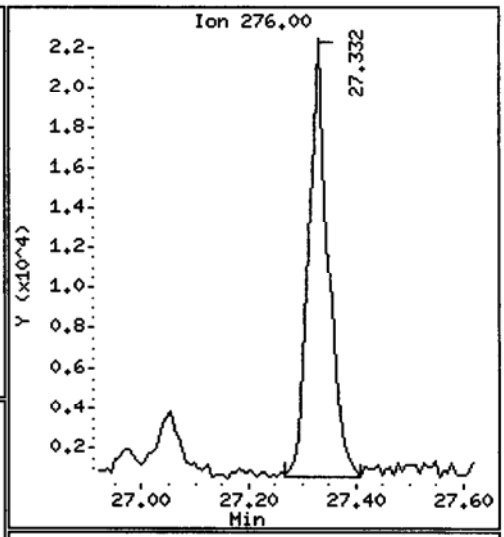
Concentration: 253.4 ug/kg

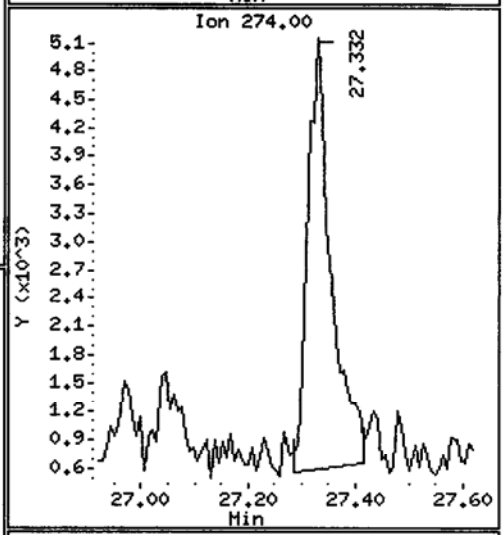


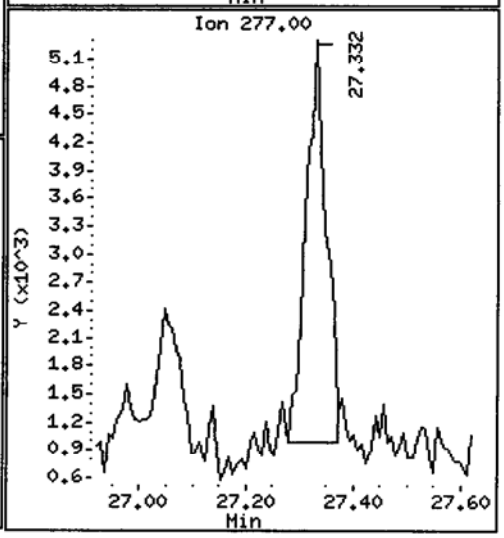












Data File: /chem1/nt10.i/20130903.b/xb89a6.d

Date : 03-SEP-2013 20:42

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A,6

Volume Injected (uL): 1.0

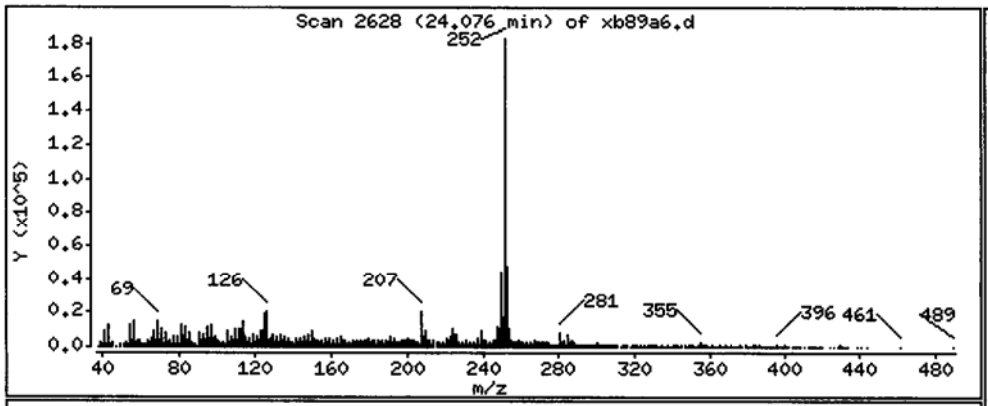
Operator: VTS/YZ

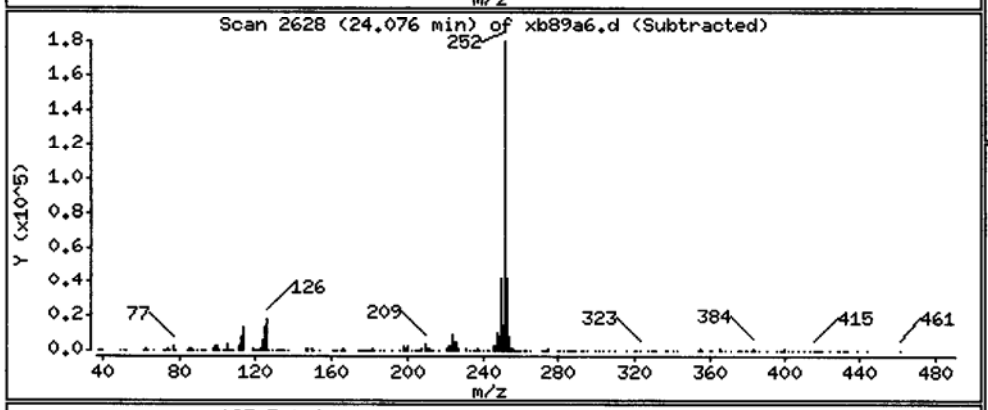
Column phase: ZB-5msi

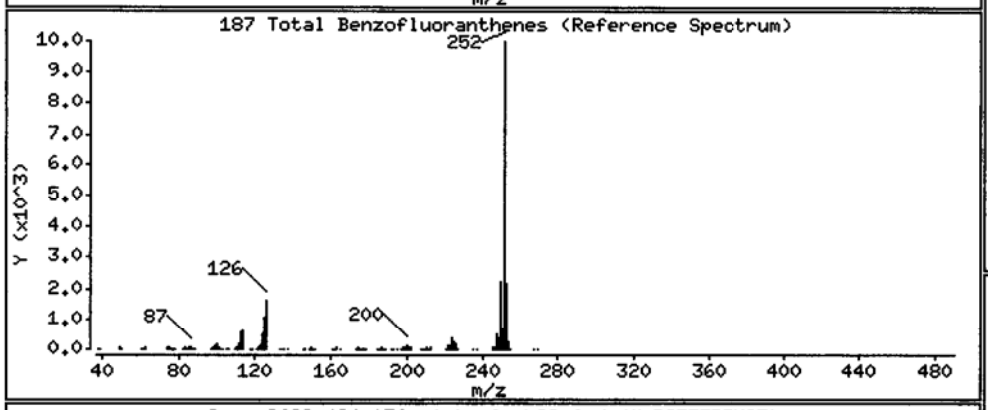
Column diameter: 0.25

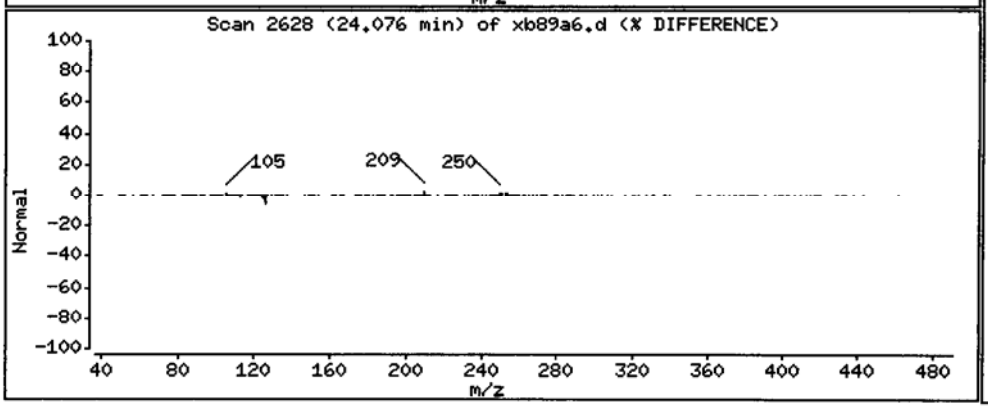
187 Total Benzofluoranthenes

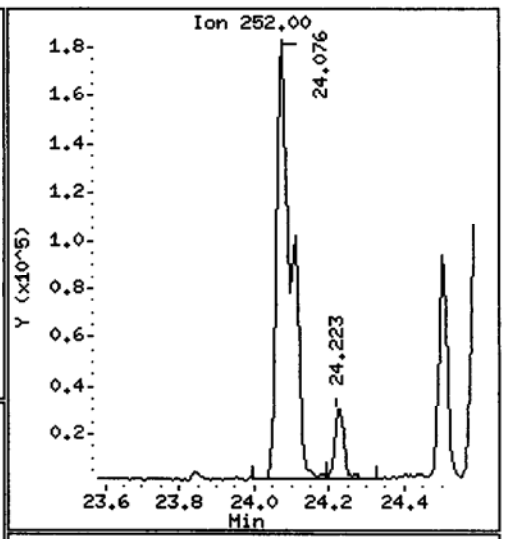
Concentration: 2259 ug/kg

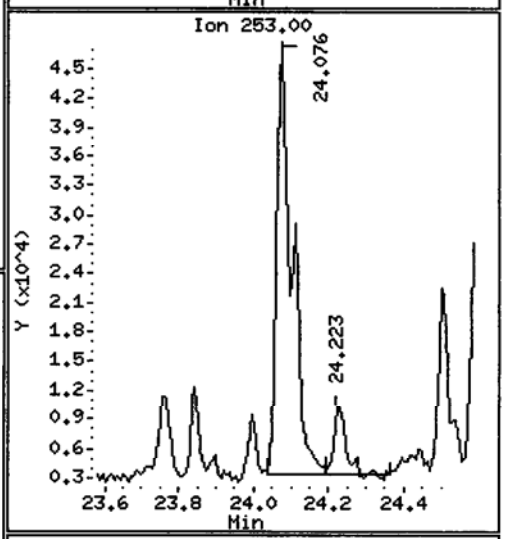


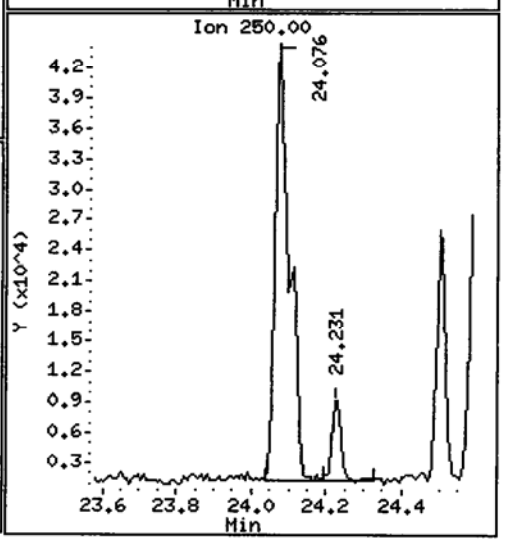












CO-ELUTION SUMMARY FOR FILE - xb89a6.d

Lab ID: XB89A, Method: ABN.m, Instrument: nt10.i, Date: 03-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D YZ 9/5/13

Data file : /chem1/nt10.i/20130903.b/xb89c10.d
Lab Smp Id: XB89C Client Smp ID: IJ13-SS-151
Inj Date : 03-SEP-2013 21:17
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89C,30
Misc Info : 13-17438
Comment : 1ul Injection
Method : /chem1/nt10.i/20130903.b/ABN.m
Meth Date : 05-Sep-2013 15:19 yev Quant Type: ISTD
Cal Date : 03-SEP-2013 11:53 Cal File: cc0903.d
Als bottle: 18
Dil Factor: 30.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	30.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	18.30000	Weight of sample extracted (g)
M	41.50000	% Moisture

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1	2-Fluorophenol	112	5.997	5.974	(0.731)	10895	0.25395	711.7
$	2	Phenol-d5	99	7.604	7.574	(0.926)	12023	0.20928	586.5
	3	Phenol	94	Compound Not Detected.					
$	5	2-Chlorophenol-d4	132	7.821	7.806	(0.953)	11604	0.24749	693.5
	4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6	2-Chlorophenol	128	Compound Not Detected.					
	7	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8	1,4-Dichlorobenzene-d4	152	8.208	8.200	(1.000)	154770	4.00000	
	9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10	1,2-Dichlorobenzene-d4	152	8.208	8.480	(1.000)	154770	4.64641	13020(R)
	12	1,2-Dichlorobenzene	146	Compound Not Detected.					
	11	Benzyl alcohol	108	Compound Not Detected.					
	14	2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
	13	2-Methylphenol	108	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	17 Hexachloroethane	117	Compound Not Detected.					
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	9.007	8.984	(1.097)	6052	0.13618 J	381.6
$	18 Nitrobenzene-d5	82	9.248	9.240	(0.869)	6619	0.13697	383.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	10.637	10.622	(1.000)	607144	4.00000	
	28 Naphthalene	128	10.676	10.668	(1.004)	16531	0.12409 J	347.7
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	142	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	12.819	12.804	(0.904)	16768	0.15668	439.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	14.173	14.158	(1.000)	340193	4.00000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	14.235	14.228	(1.004)	9896	0.12319 J	345.2
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	14.591	14.584	(1.029)	14200	0.11638 J	326.1
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	15.302	15.287	(1.080)	13504	0.13634 J	382.1
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	15.804	15.781	(1.115)	6031	0.29435	824.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.218	17.203	(1.000)	585192	4.00000	
	60 Phenanthrene	178	17.265	17.250	(1.003)	66176	0.51500	1443
	61 Anthracene	178	17.373	17.358	(1.009)	17071	0.12504 J	350.4
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	19.679	19.664	(1.143)	275523	1.71635	4810
	65 Pyrene	202	20.112	20.097	(0.900)	233979	1.47488	4133
$	66 Terphenyl-d14	244	20.437	20.422	(0.915)	17263	0.19350	542.3
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	22.318	22.296	(0.999)	43572	0.31991	896.5
*	69 Chrysene-d12	240	22.334	22.311	(1.000)	543426	4.00000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	22.380	22.358	(1.002)	84548	0.71600	2006
	72 bis(2-Ethylhexyl)phthalate	149	22.396	22.389	(0.955)	761569	9.60851	26930
*	134 Di-n-octylphthalate-d4	153	23.449	23.441	(1.000)	697115	4.00000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	24.068	24.045	(0.976)	58134	0.41690	1168
	75 Benzo(k)fluoranthene	252	24.107	24.084	(0.977)	26658	0.17657	494.8(M)
	76 Benzo(a)pyrene	252	24.579	24.556	(0.996)	22250	0.17064	478.2
*	77 Perylene-d12	264	24.672	24.649	(1.000)	580672	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	142	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	24.068	24.084	(0.976)	80186	0.57037	1598
	99 Perylene	252	Compound Not Detected.					
	98 Retene	219	Compound Not Detected.					
	120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89c10.d
Lab Smp Id: XB89C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130903.b/ABN.m
Misc Info: 13-17438

Calibration Date: 03-SEP-2013
Calibration Time: 11:53
Client Smp ID: IJ13-SS-151
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	152867	76434	305734	154770	1.24
27 Naphthalene-d8	536851	268426	1073702	607144	13.09
42 Acenaphthene-d10	348566	174283	697132	340193	-2.40
59 Phenanthrene-d10	633376	316688	1266752	585192	-7.61
69 Chrysene-d12	651036	325518	1302072	543426	-16.53
134 Di-n-octylphthala	837259	418630	1674518	697115	-16.74
77 Perylene-d12	696727	348364	1393454	580672	-16.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.20	7.70	8.70	8.21	0.09
27 Naphthalene-d8	10.62	10.12	11.12	10.64	0.14
42 Acenaphthene-d10	14.16	13.66	14.66	14.17	0.11
59 Phenanthrene-d10	17.20	16.70	17.70	17.22	0.09
69 Chrysene-d12	22.31	21.81	22.81	22.33	0.10
134 Di-n-octylphthala	23.44	22.94	23.94	23.45	0.03
77 Perylene-d12	24.65	24.15	25.15	24.67	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

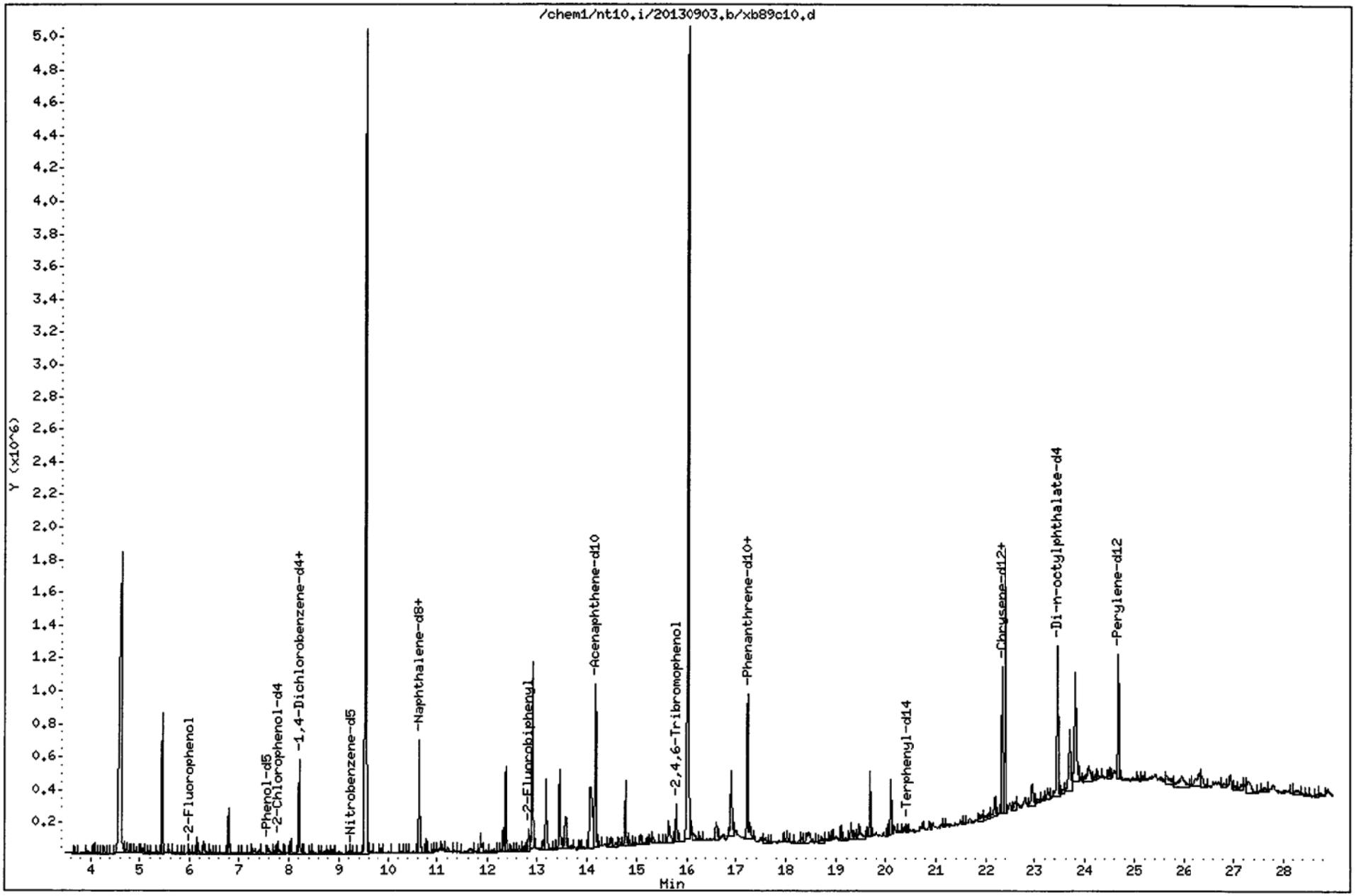
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89C Client Smp ID: IJ13-SS-151
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDAICAL.sub
Method File: /chem1/nt10.i/20130903.b/ABN.m
Misc Info: 13-17438

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	700.6	711.7	101.58	27-120
$ 2 Phenol-d5	700.6	586.5	83.71	29-120
$ 5 2-Chlorophenol-d4	700.6	693.5	99.00	31-120
$ 10 1,2-Dichlorobenzen	467.0	13020	2787.85*	32-120
$ 18 Nitrobenzene-d5	467.0	383.8	82.18	30-120
$ 36 2-Fluorobiphenyl	467.0	439.1	94.01	35-120
$ 55 2,4,6-Tribromophen	700.6	824.9	117.74	24-134
$ 66 Terphenyl-d14	467.0	542.3	116.10	37-120

Data File: /chem1/nt10.i/20130903.b/xb89c10.d
Date : 03-SEP-2013 21:17
Client ID: IJ13-SS-151
Sample Info: XB89C,30
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89:00656

Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

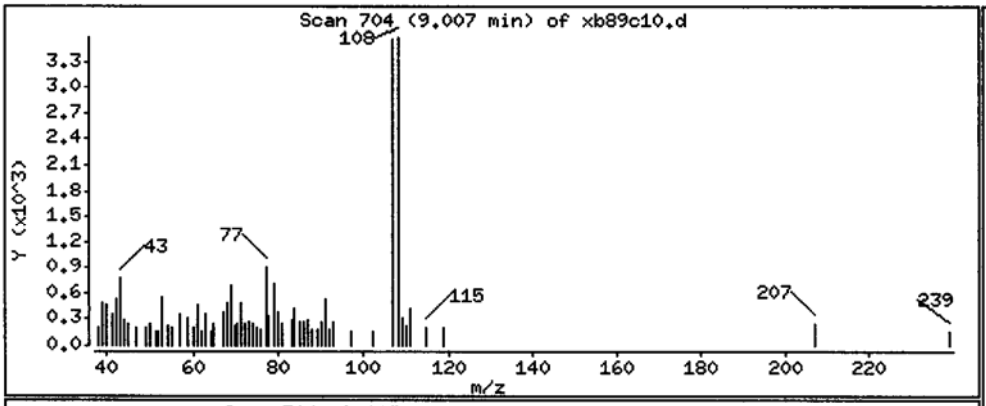
Operator: VTS/YZ

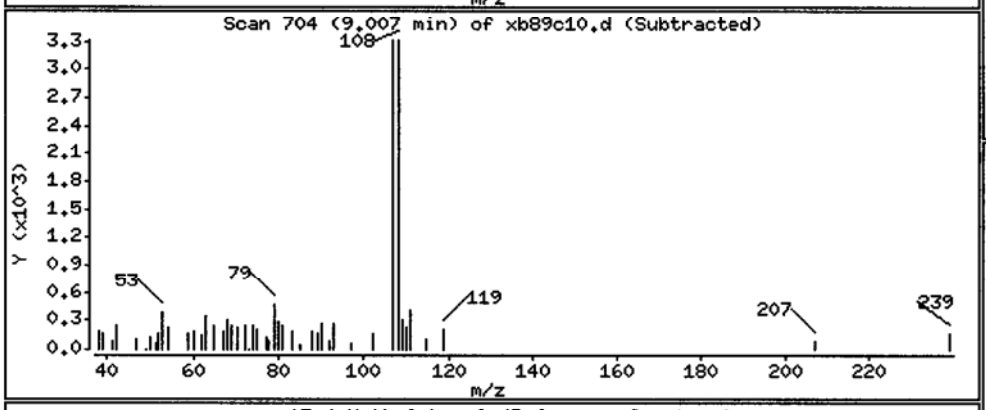
Column phase: ZB-5msi

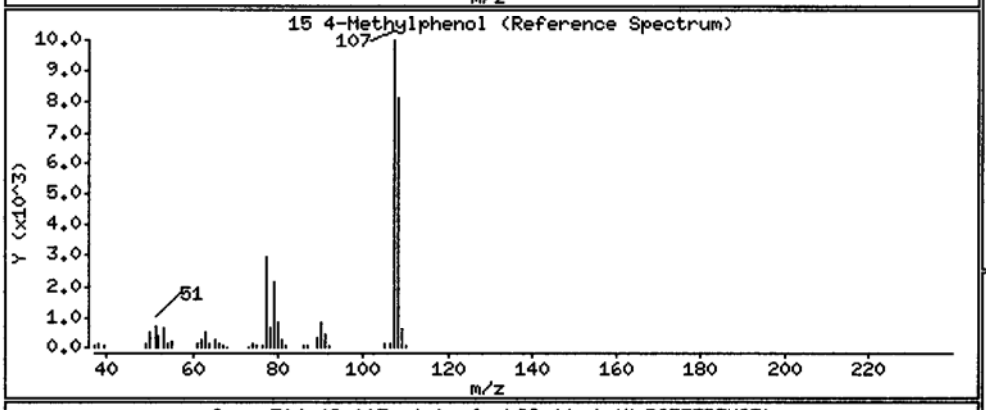
Column diameter: 0.25

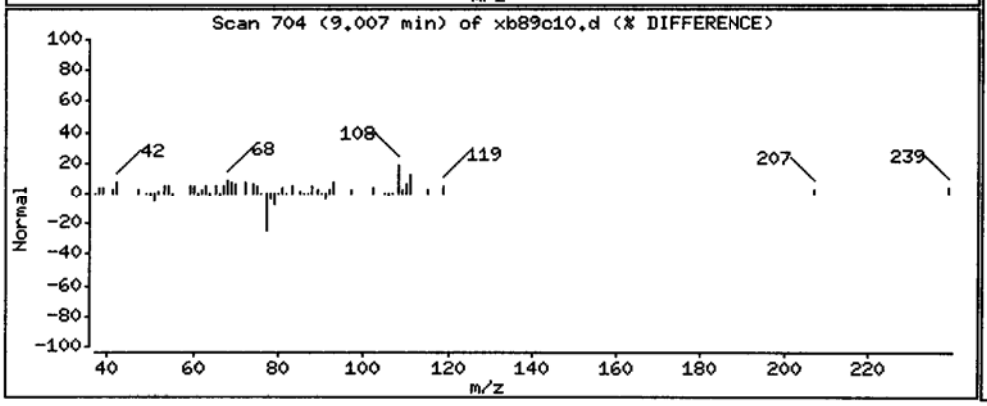
15 4-Methylphenol

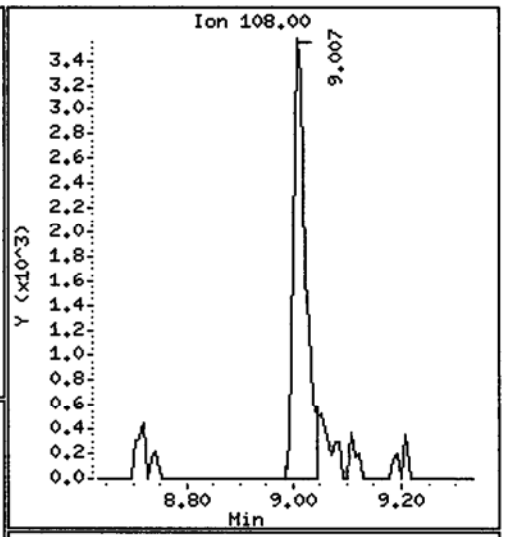
Concentration: 381.6 ug/kg

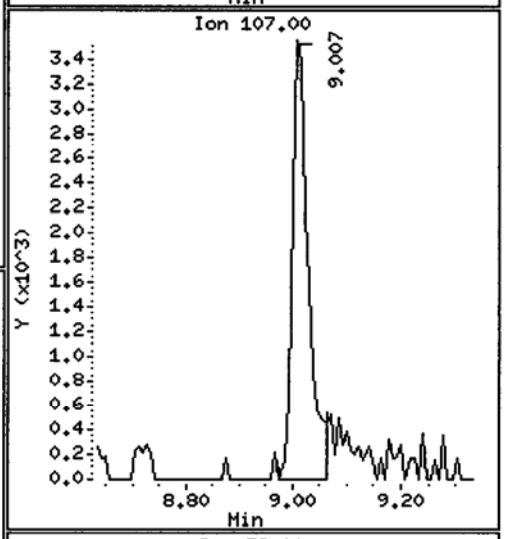


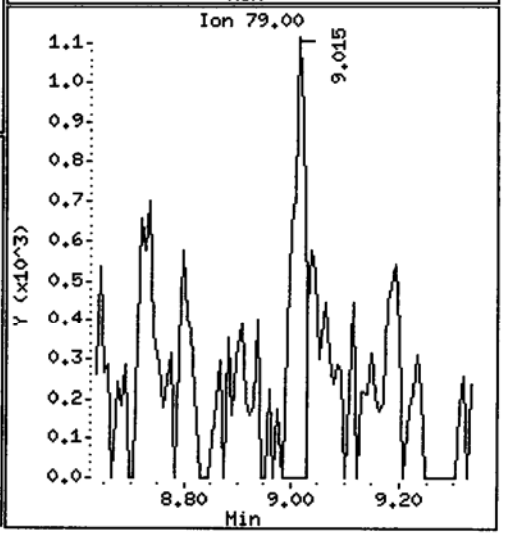












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

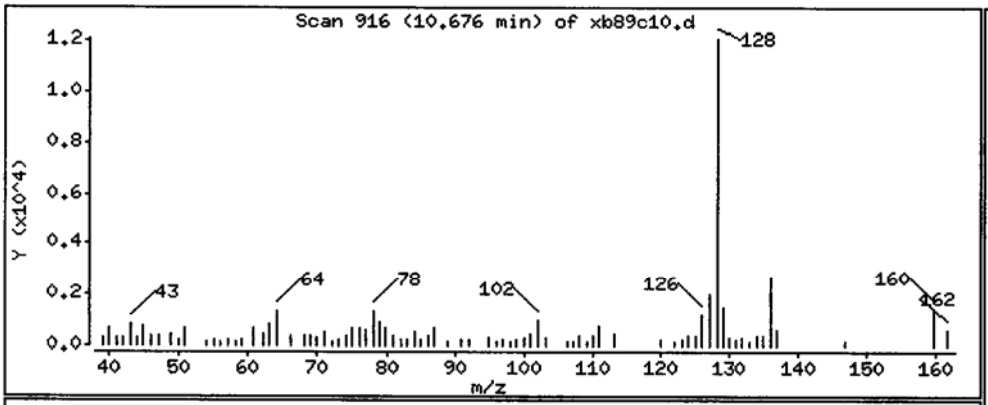
Operator: VTS/YZ

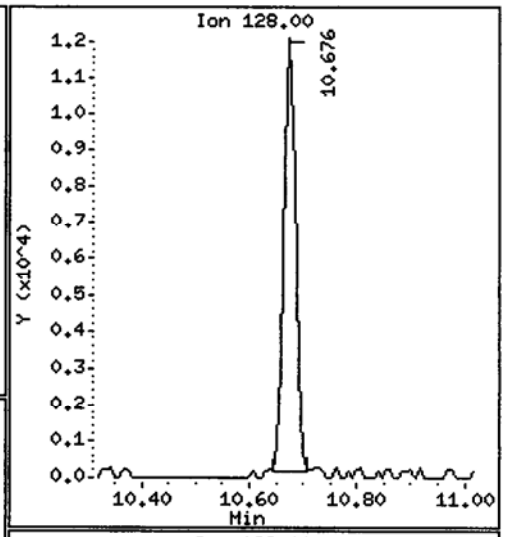
Column phase: ZB-5msi

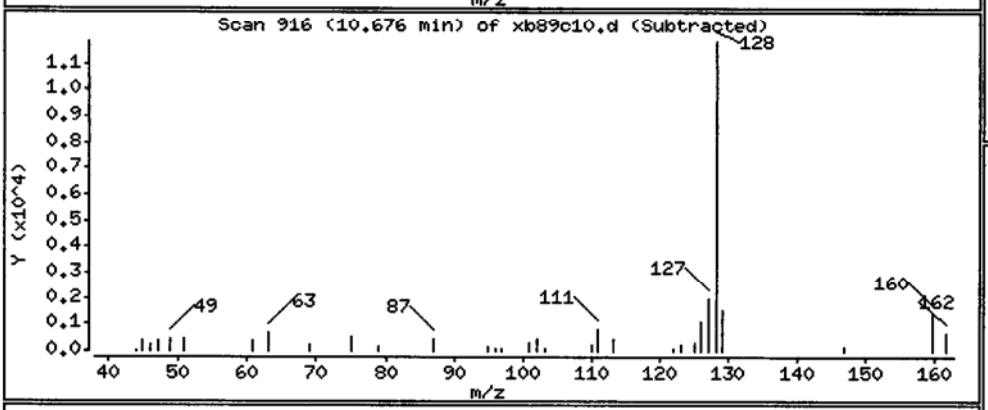
Column diameter: 0.25

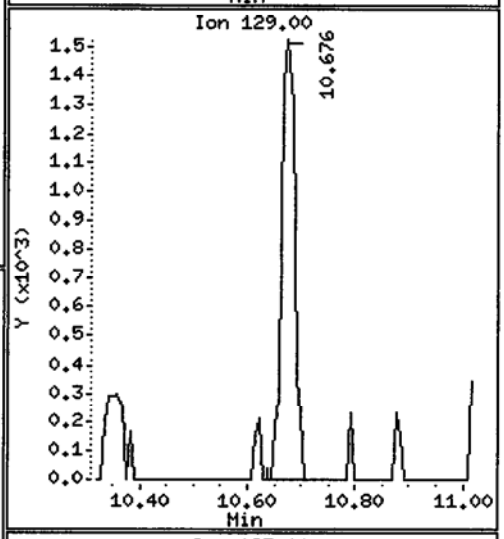
28 Naphthalene

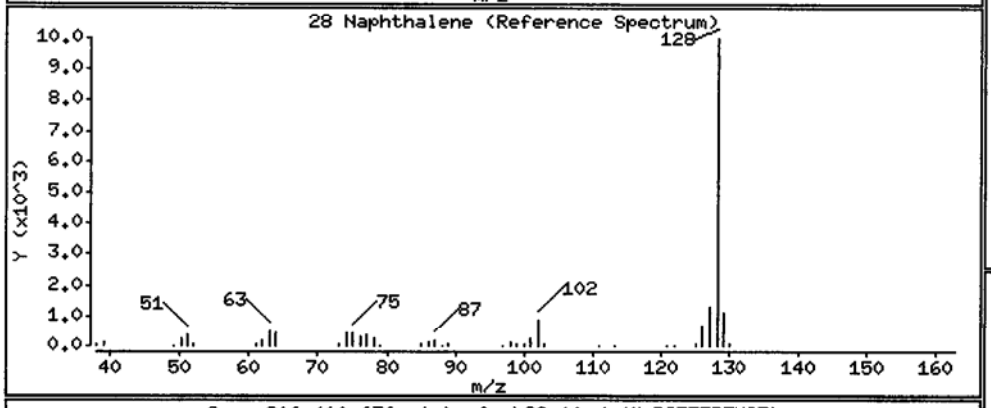
Concentration: 347.7 ug/kg

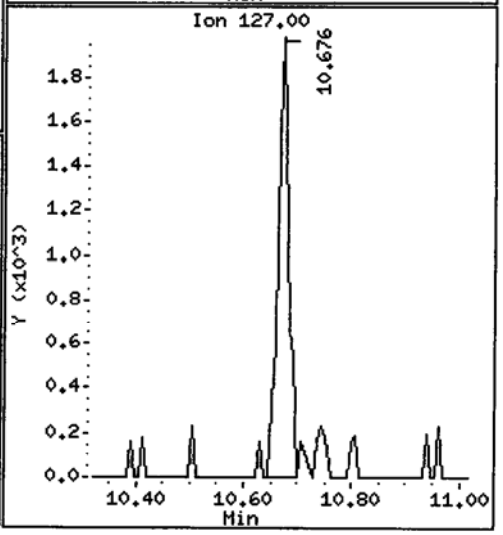


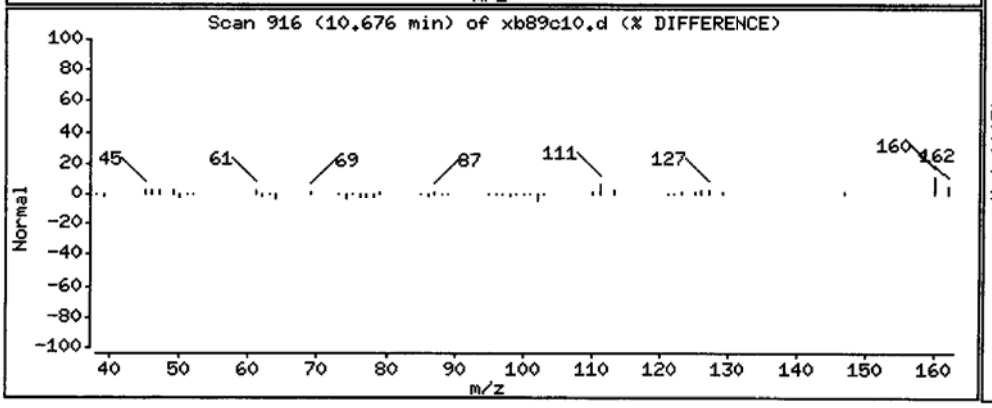












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

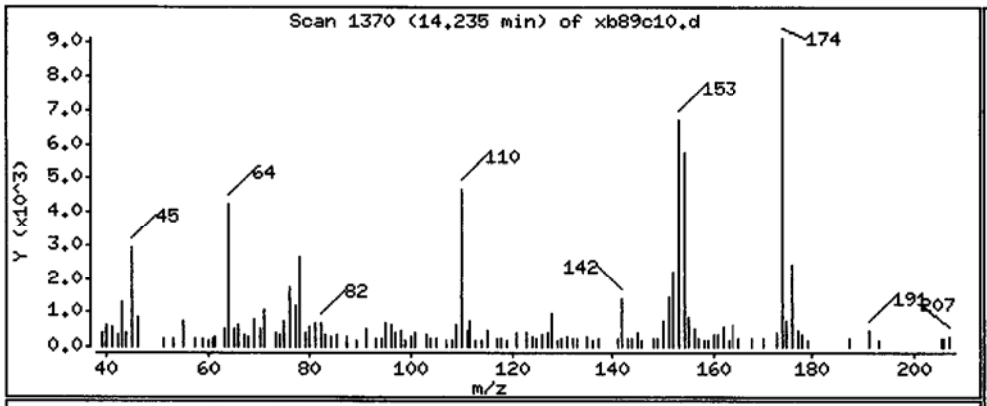
Operator: VTS/YZ

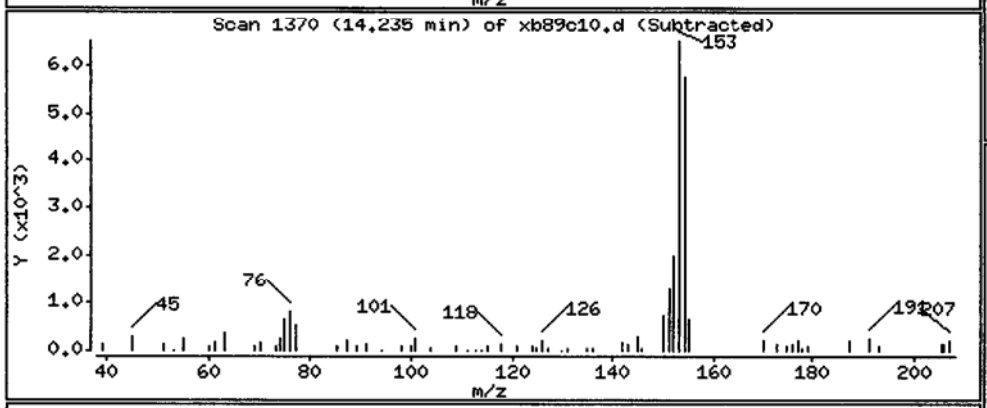
Column phase: ZB-5msi

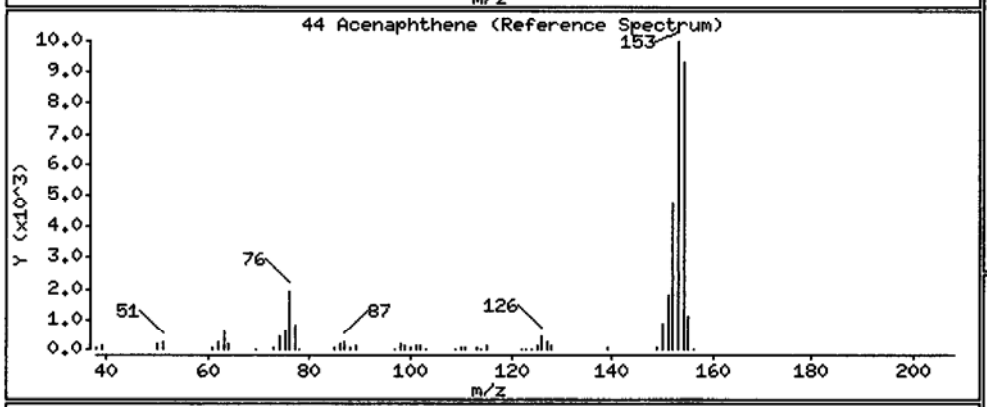
Column diameter: 0.25

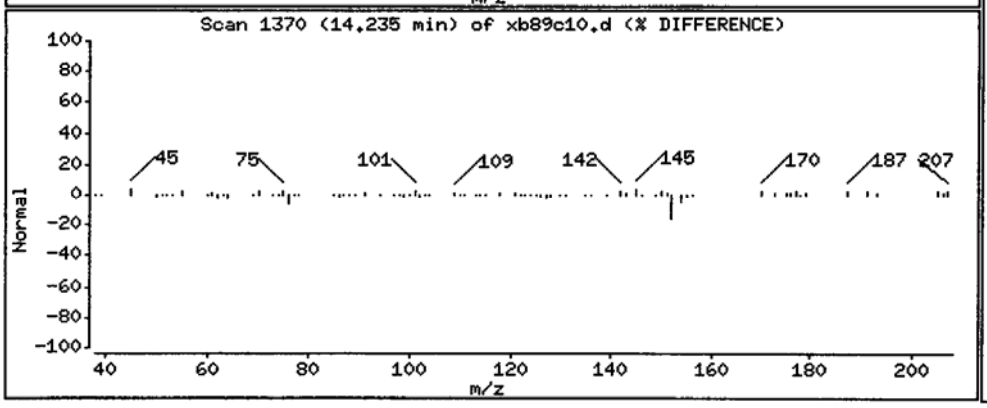
44 Acenaphthene

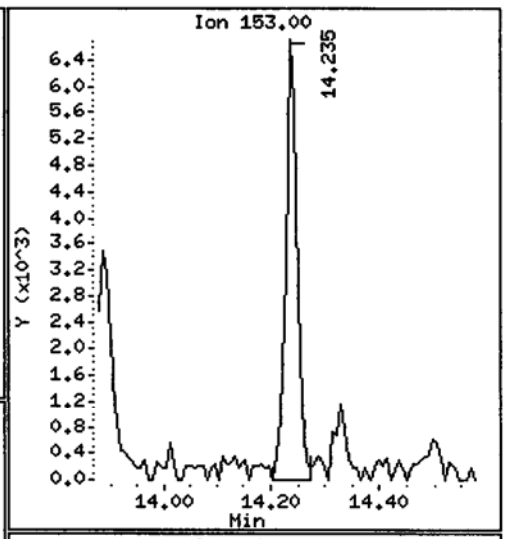
Concentration: 345.2 ug/kg

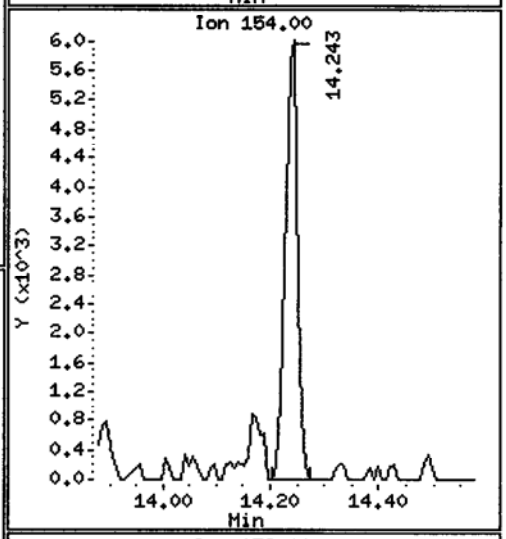


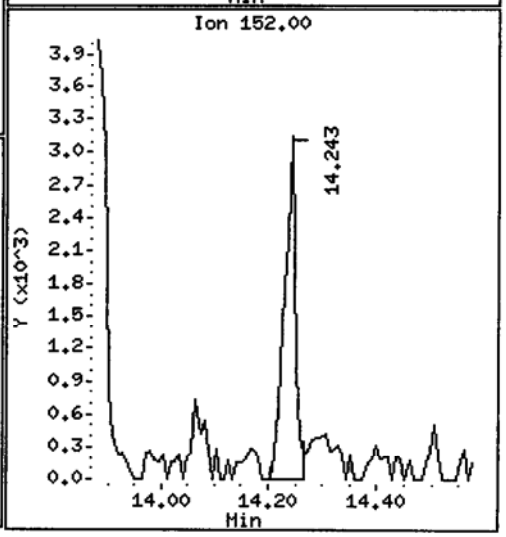












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

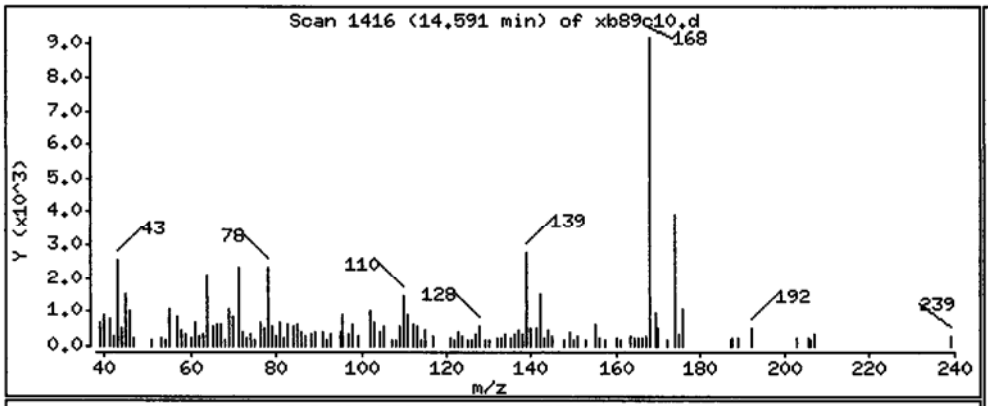
Operator: VTS/YZ

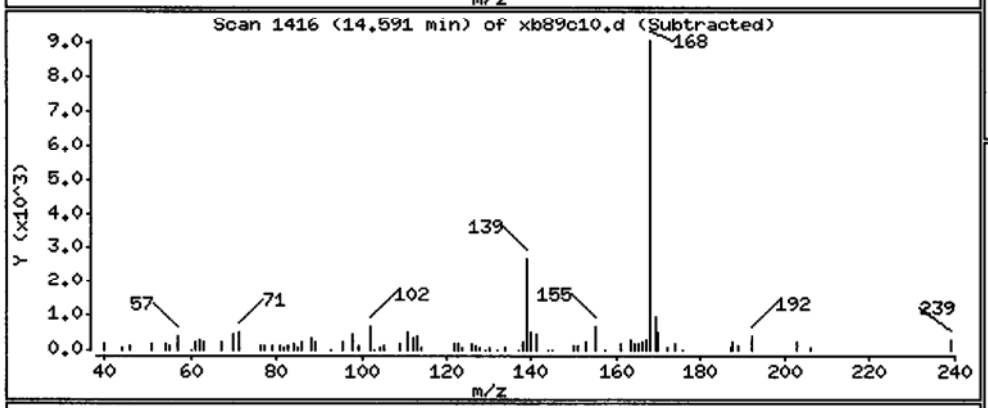
Column phase: ZB-5msi

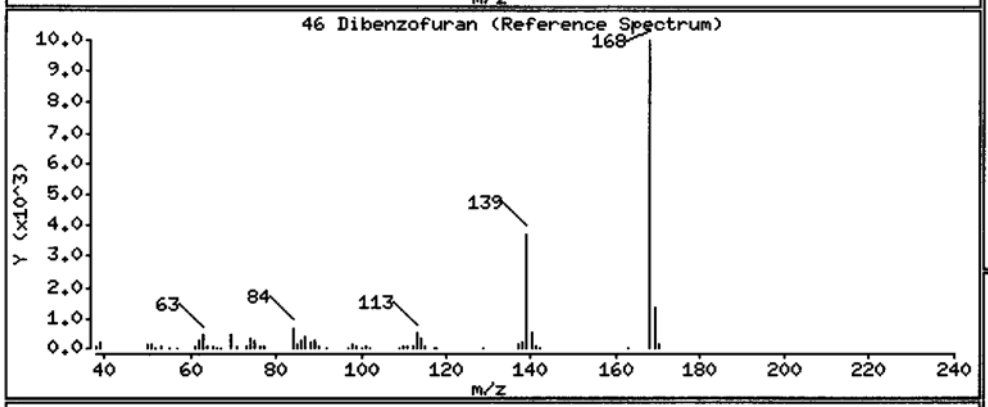
Column diameter: 0.25

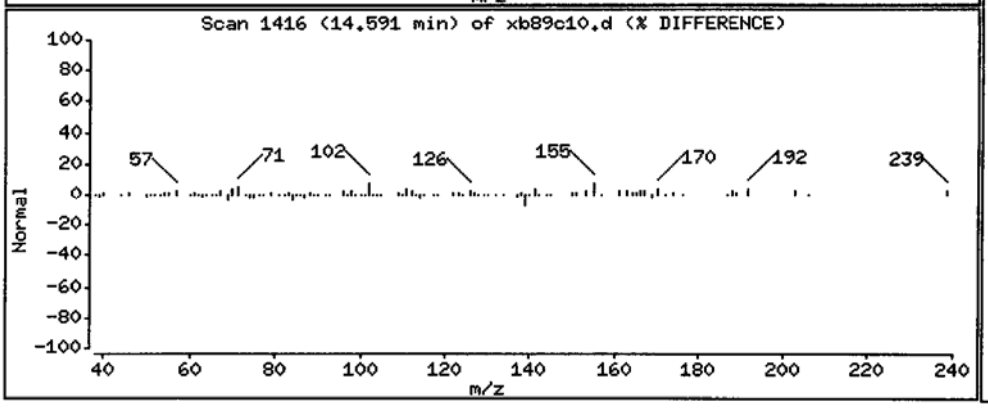
46 Dibenzofuran

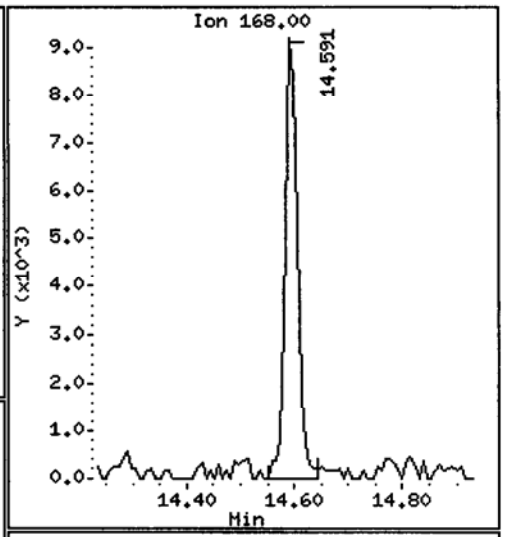
Concentration: 326.1 ug/kg

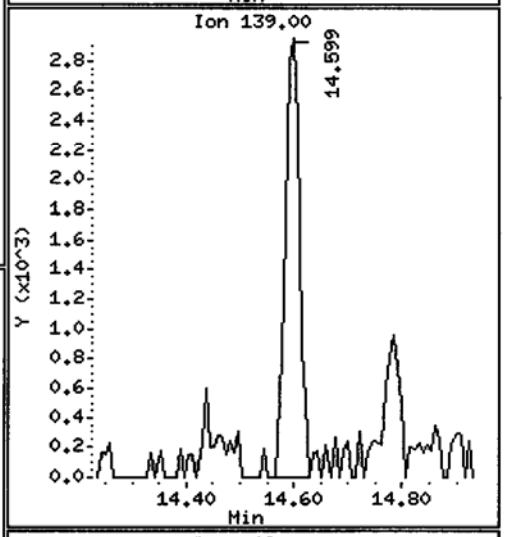


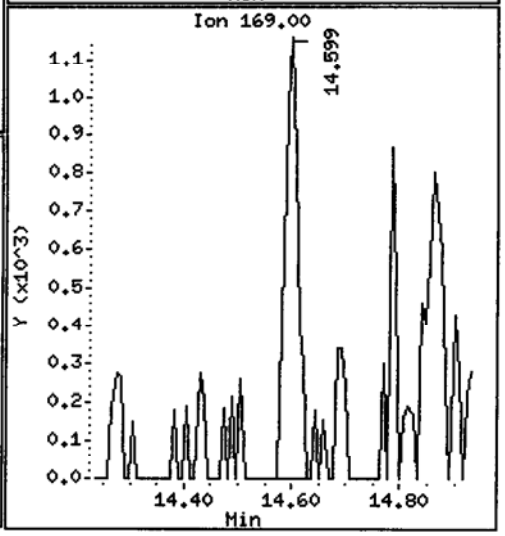












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

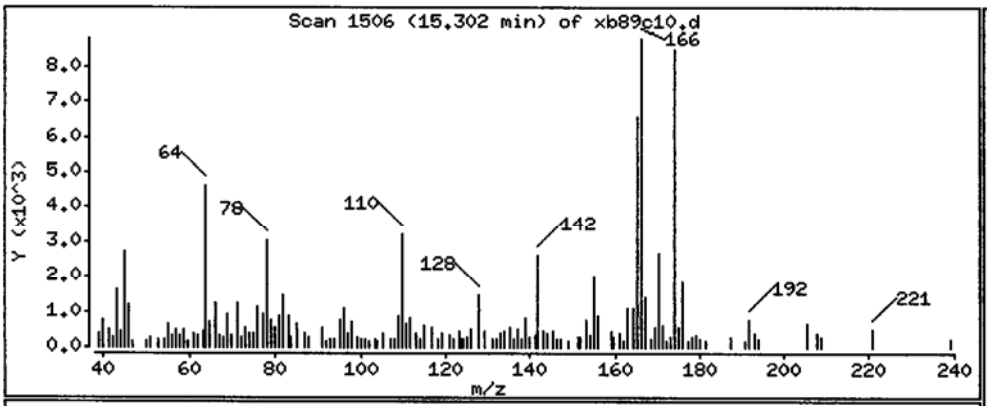
Operator: VTS/YZ

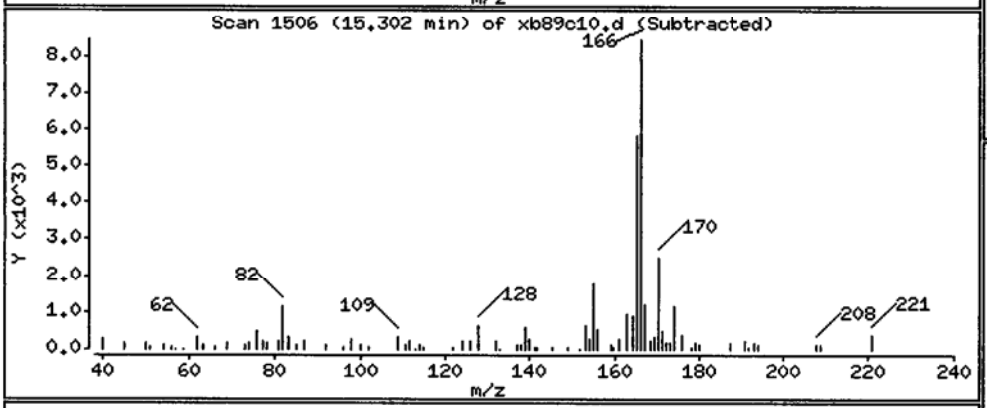
Column phase: ZB-5msi

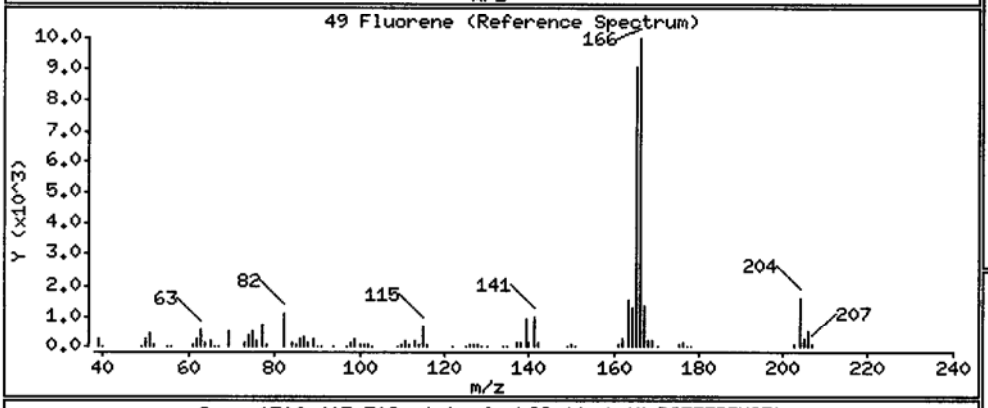
Column diameter: 0.25

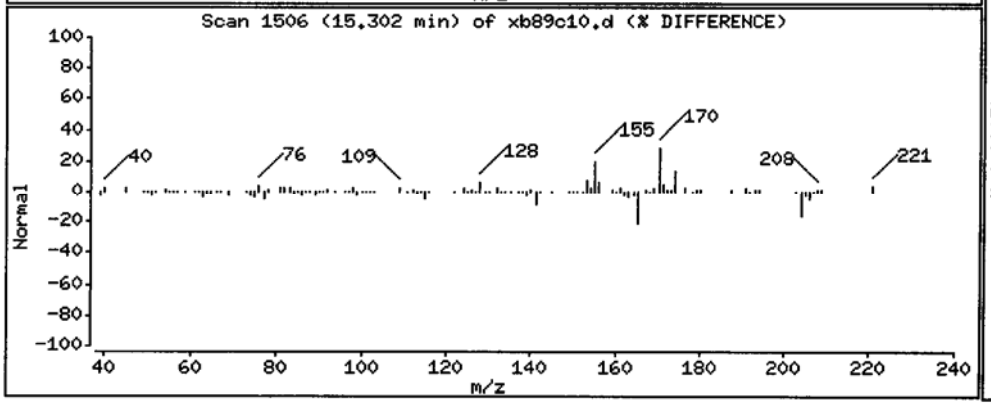
49 Fluorene

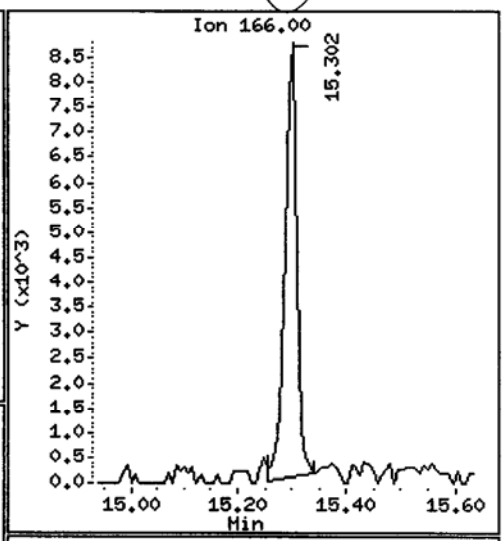
Concentration: 382.1 ug/kg

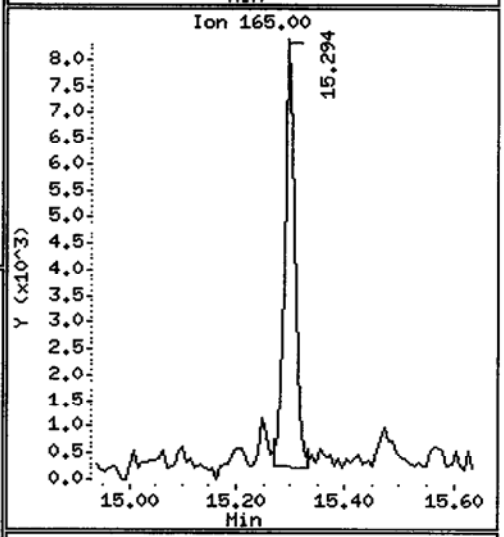


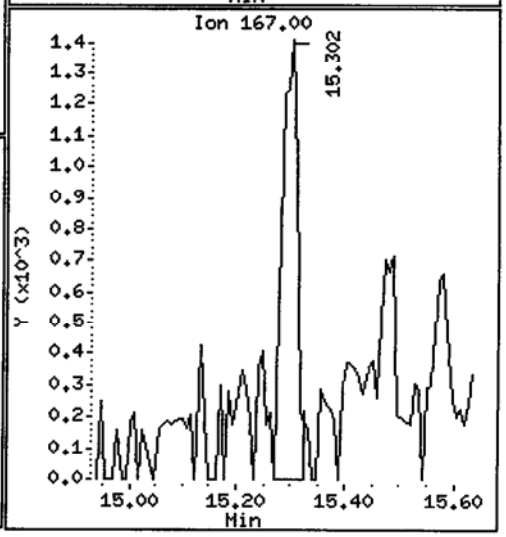












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

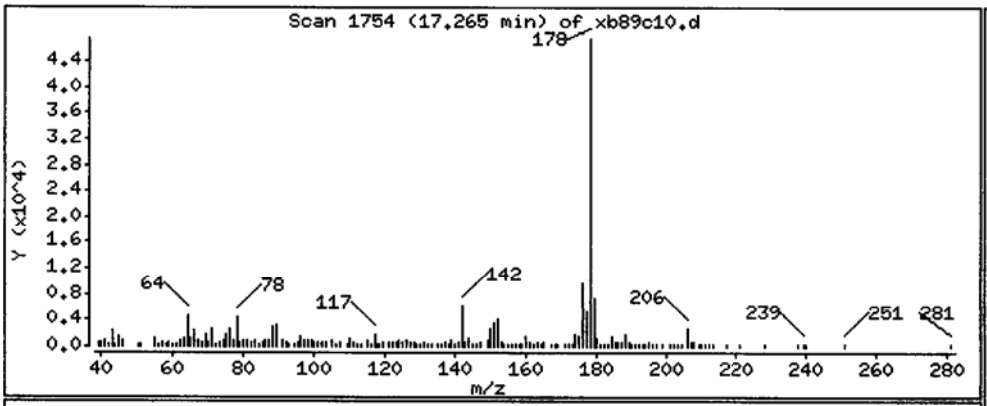
Operator: VTS/YZ

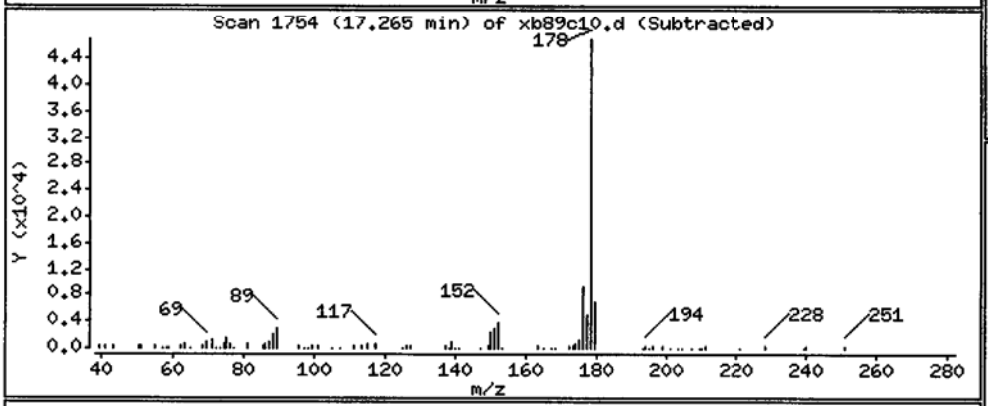
Column phase: ZB-5msi

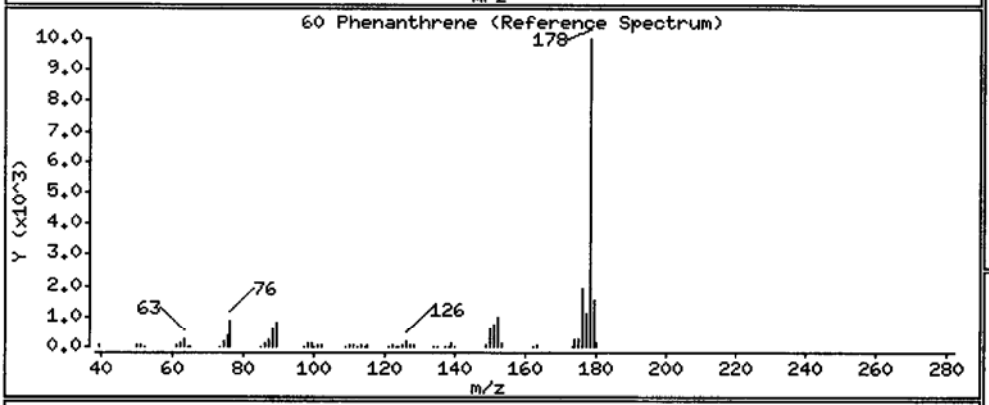
Column diameter: 0.25

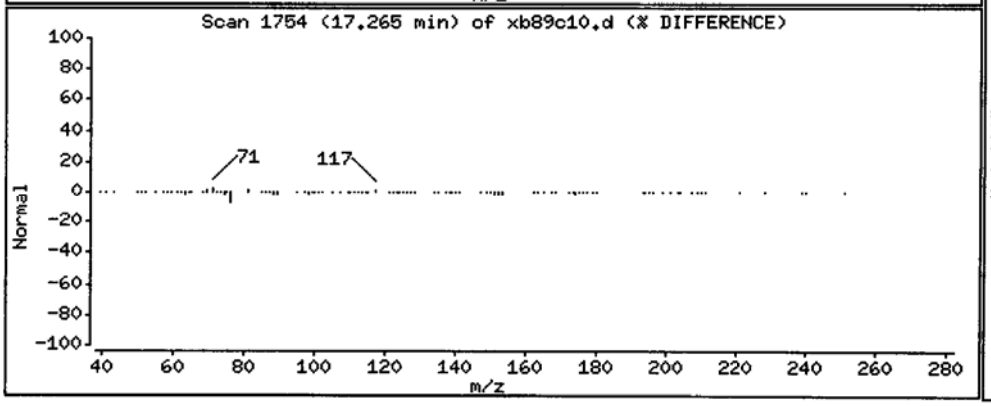
60 Phenanthrene

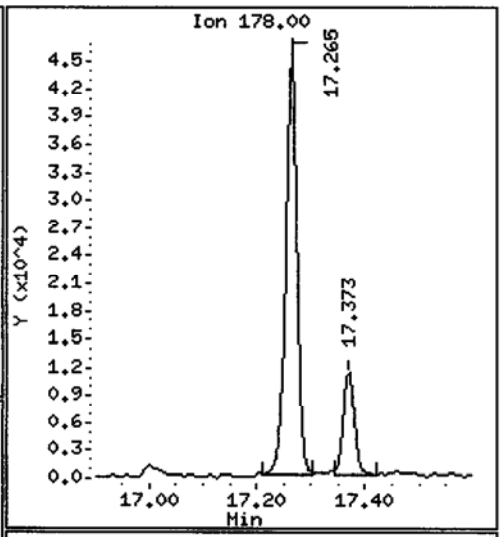
Concentration: 1443 ug/kg

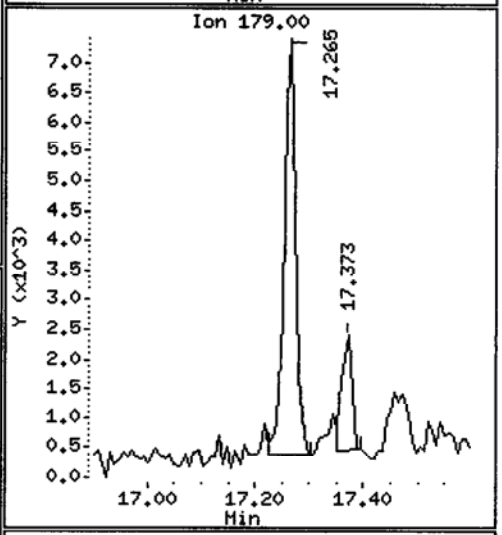


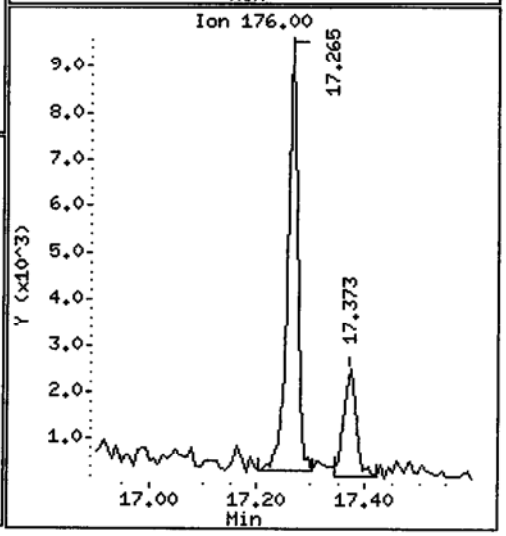












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

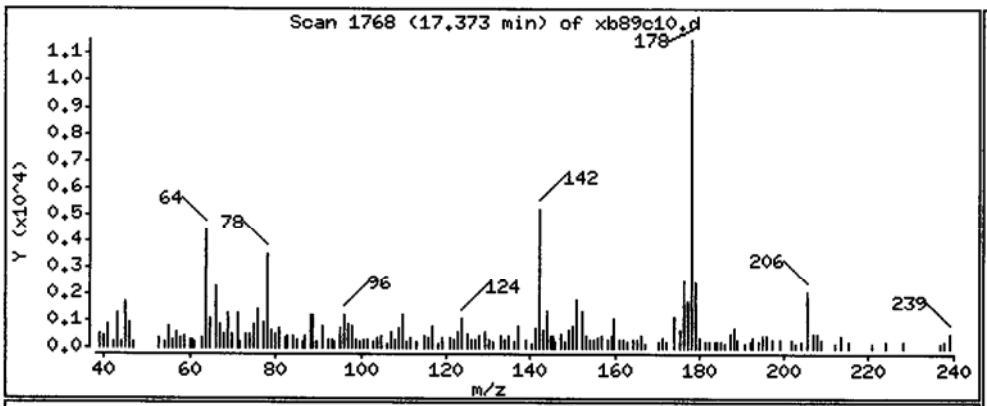
Operator: VTS/YZ

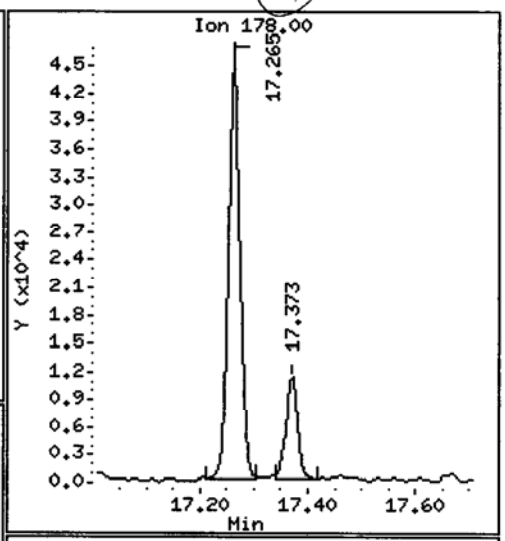
Column phase: ZB-5msi

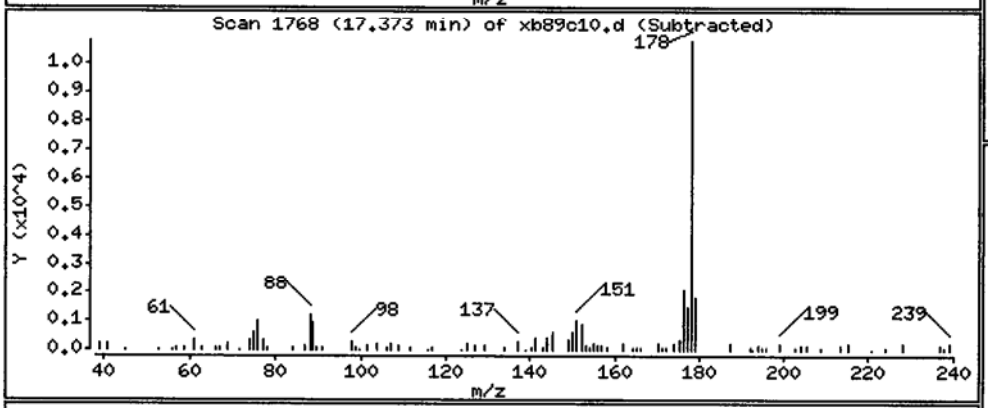
Column diameter: 0.25

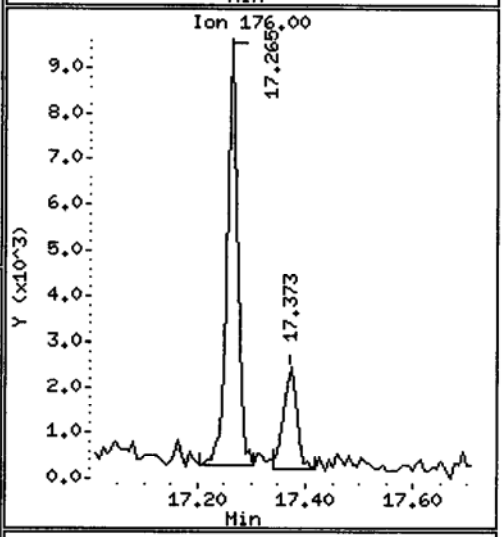
61 Anthracene

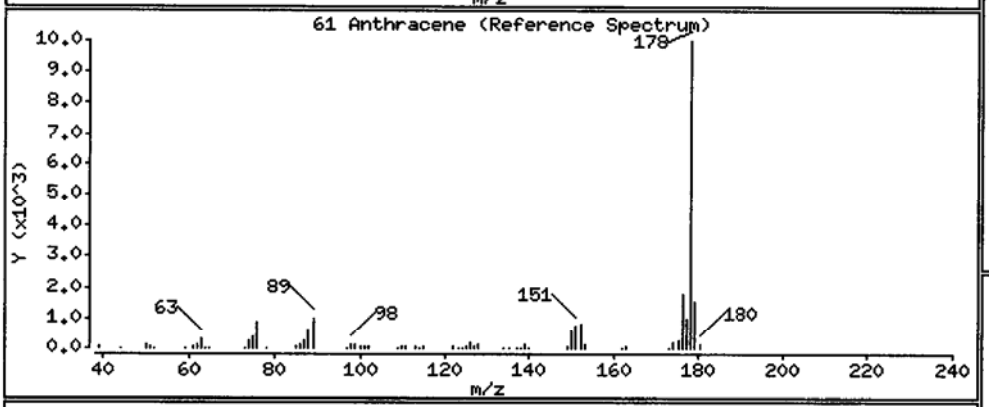
Concentration: 350.4 ug/kg

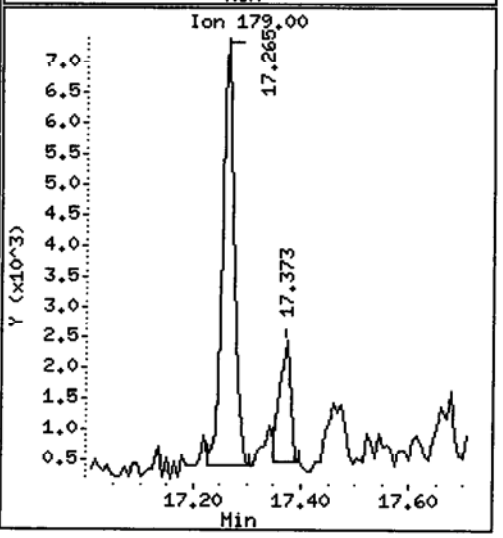


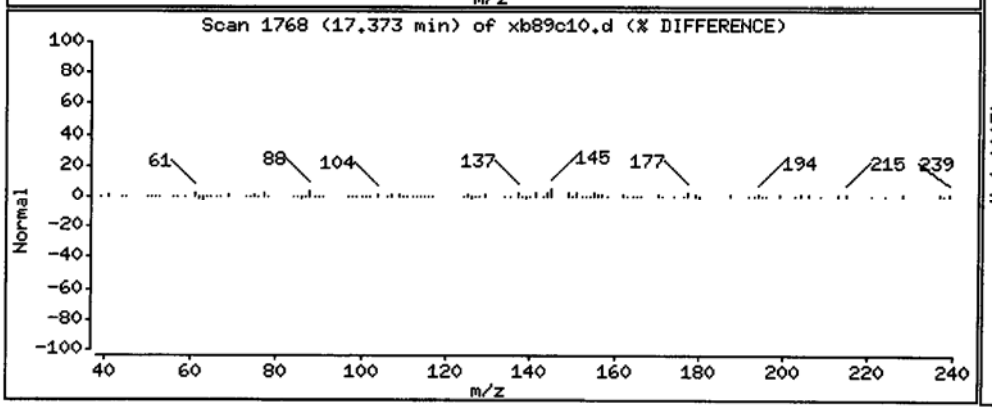












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

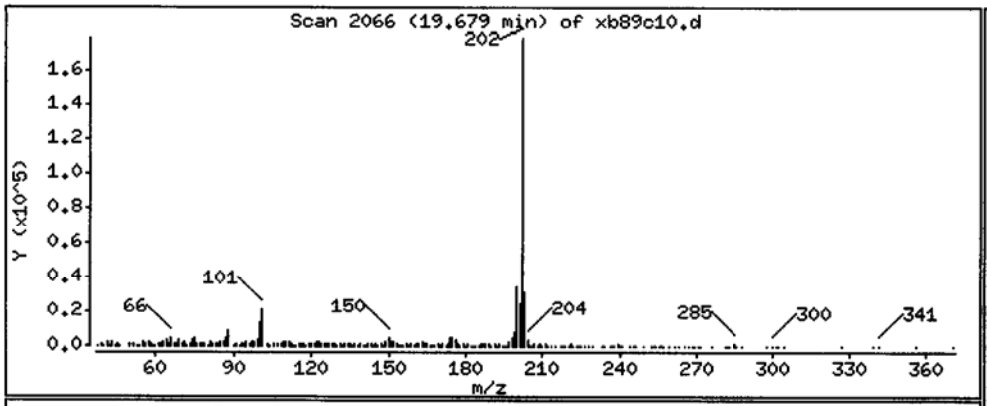
Operator: VTS/YZ

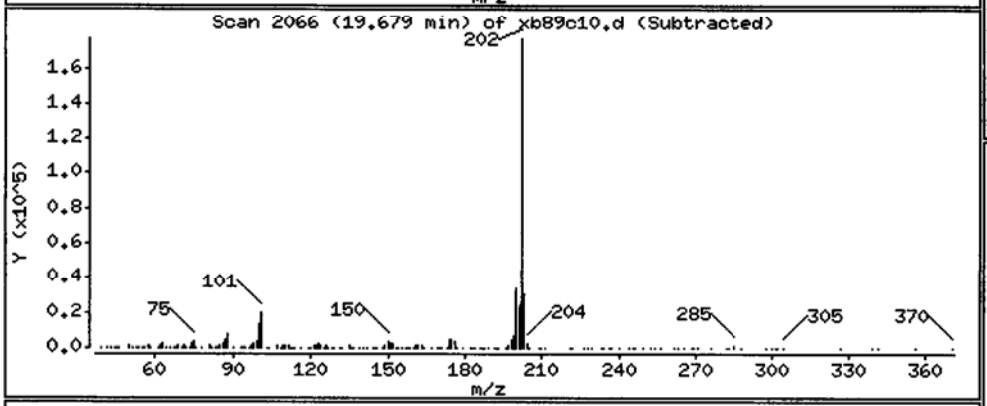
Column phase: ZB-5msi

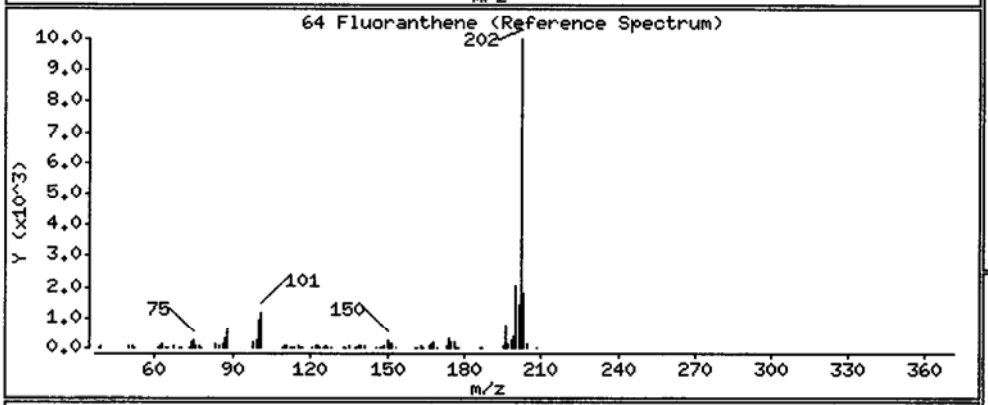
Column diameter: 0.25

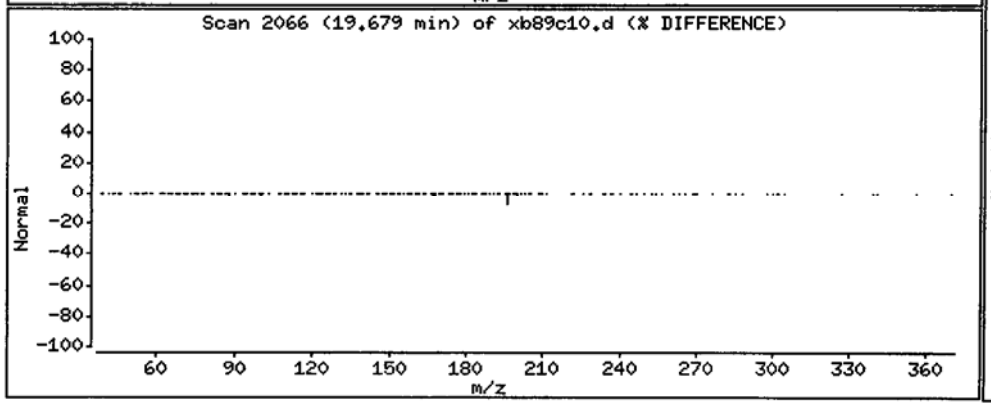
64 Fluoranthene

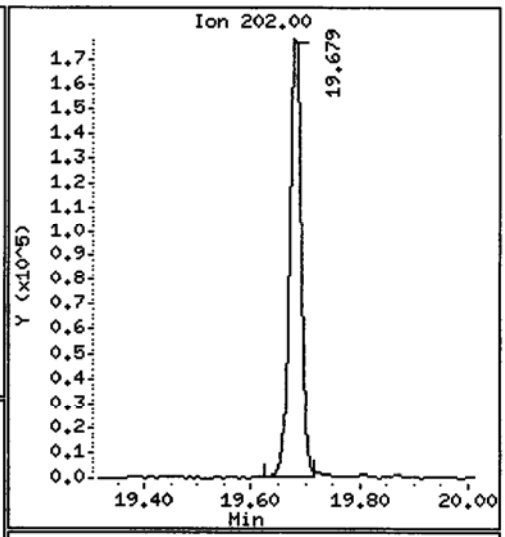
Concentration: 4810 ug/kg

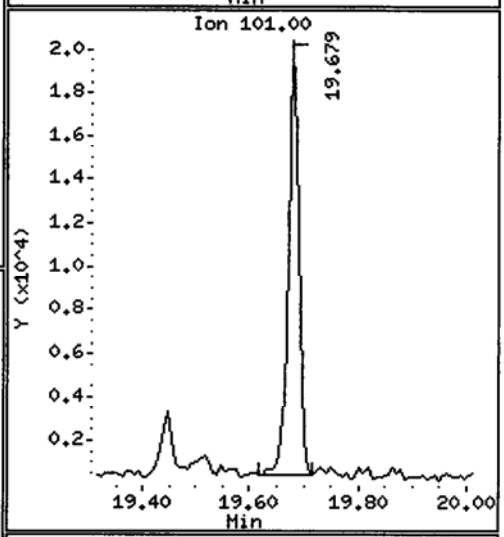


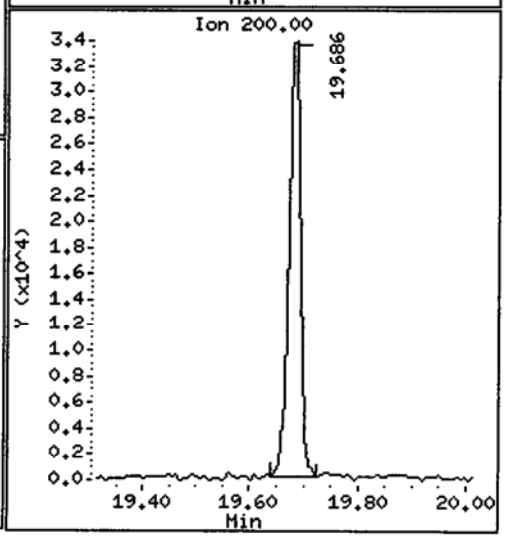












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

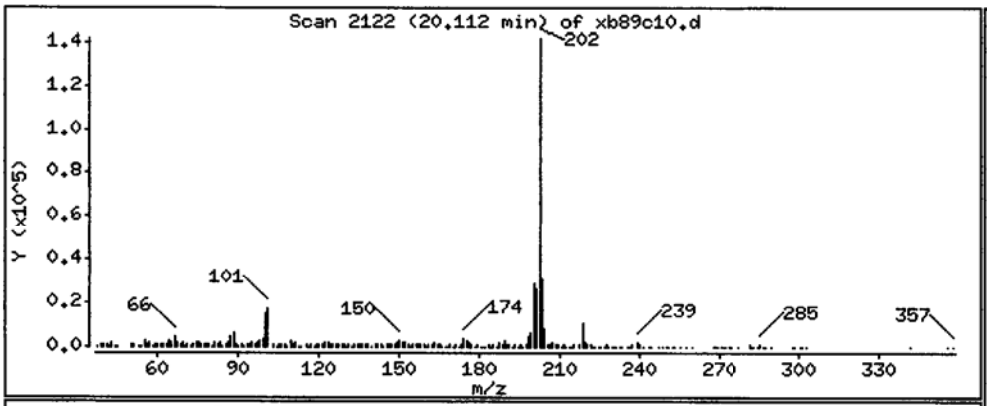
Operator: VTS/YZ

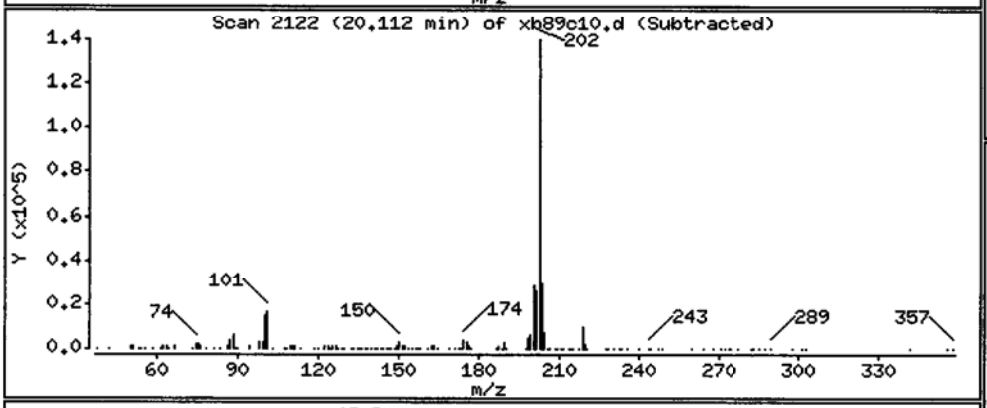
Column phase: ZB-5msi

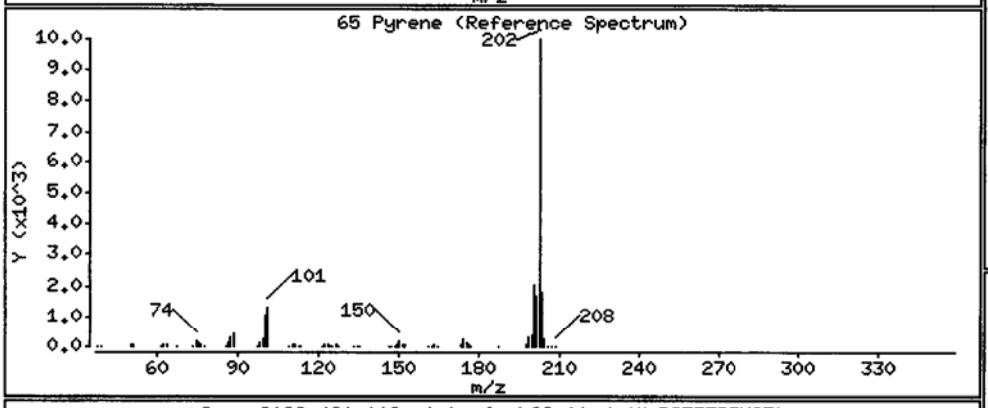
Column diameter: 0.25

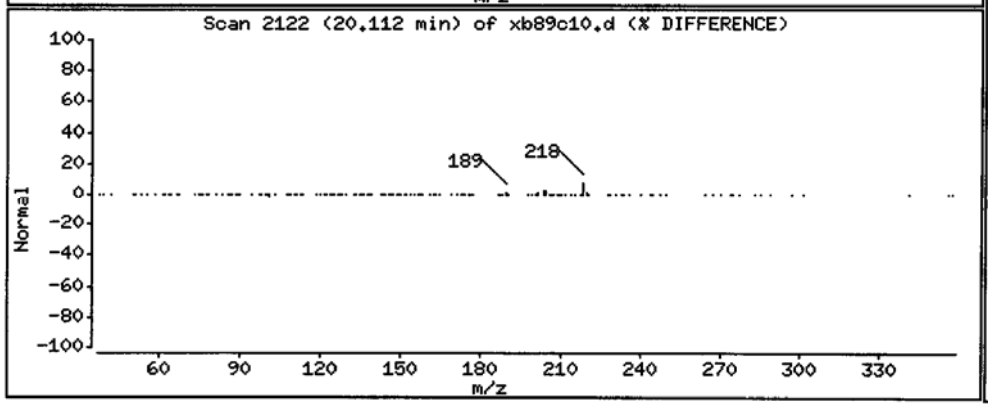
65 Pyrene

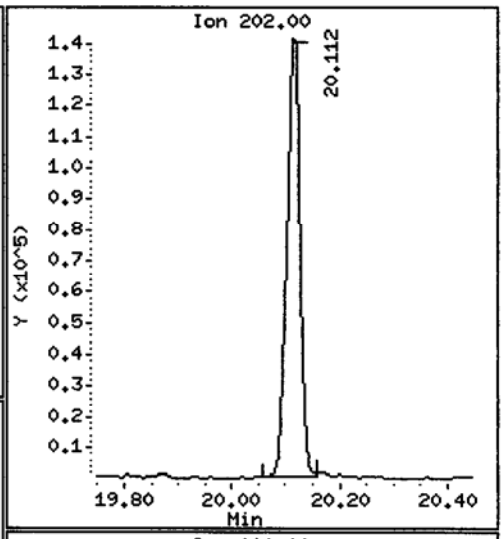
Concentration: 4133 ug/kg

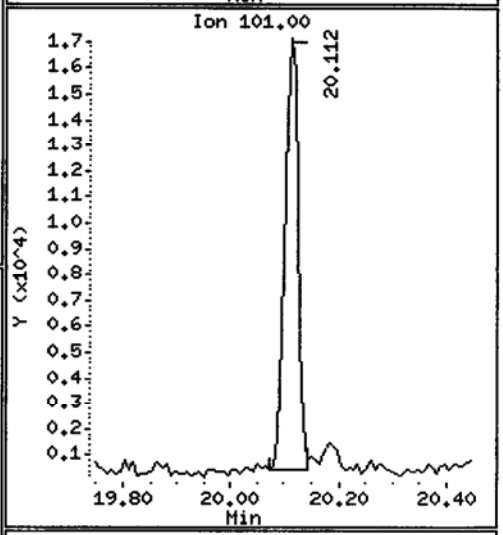


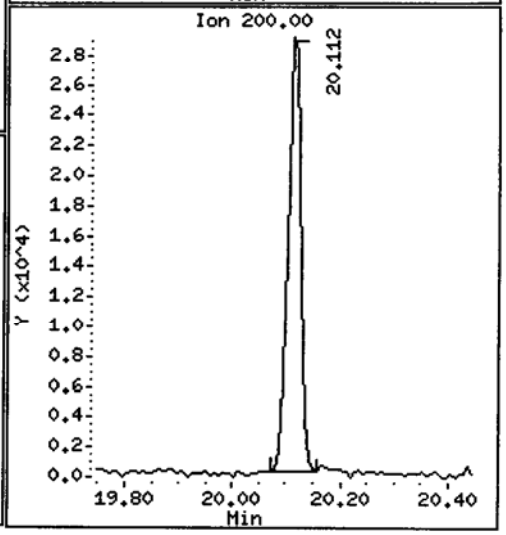












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

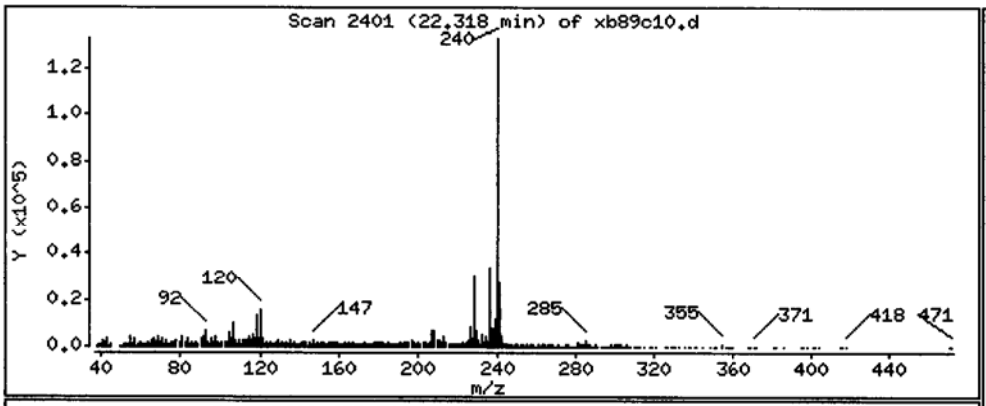
Operator: VTS/YZ

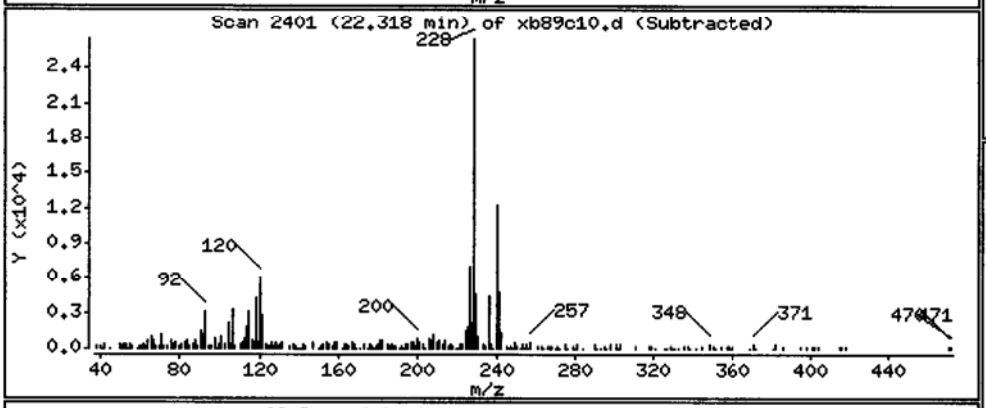
Column phase: ZB-5msi

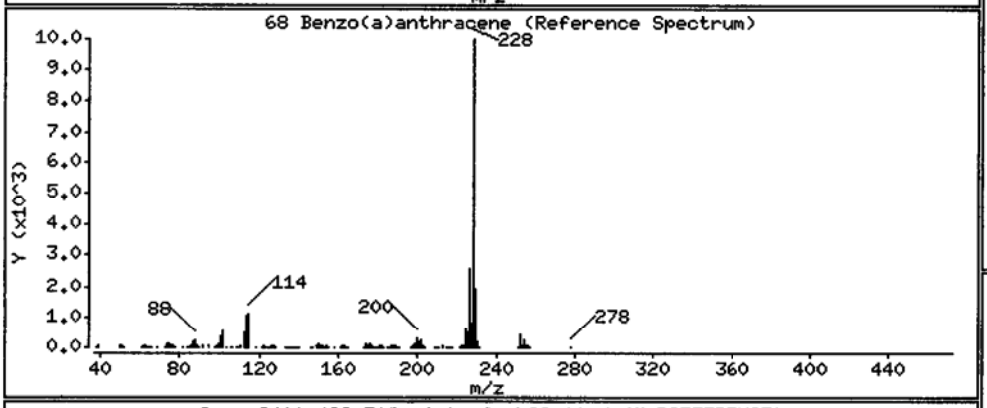
Column diameter: 0.25

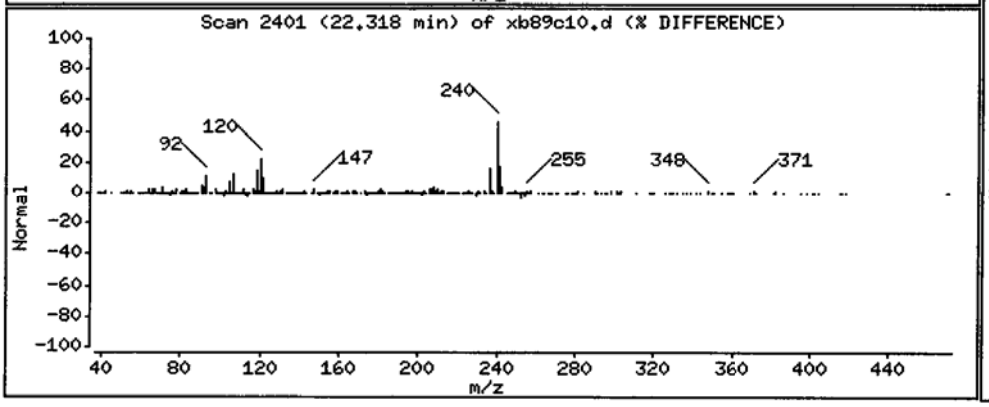
68 Benzo(a)anthracene

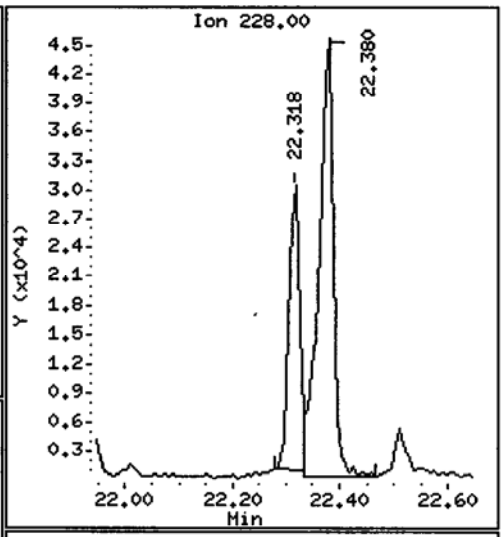
Concentration: 896.5 ug/kg

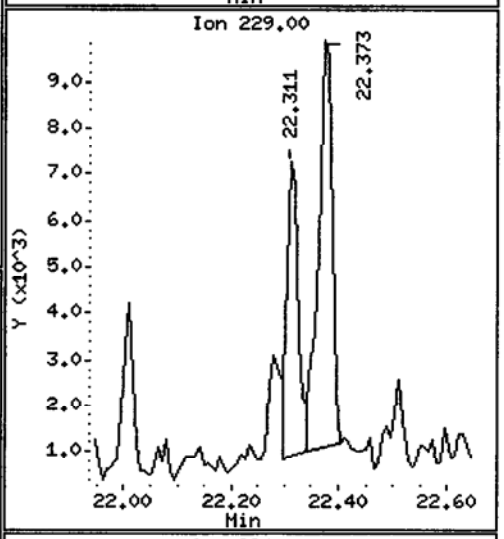


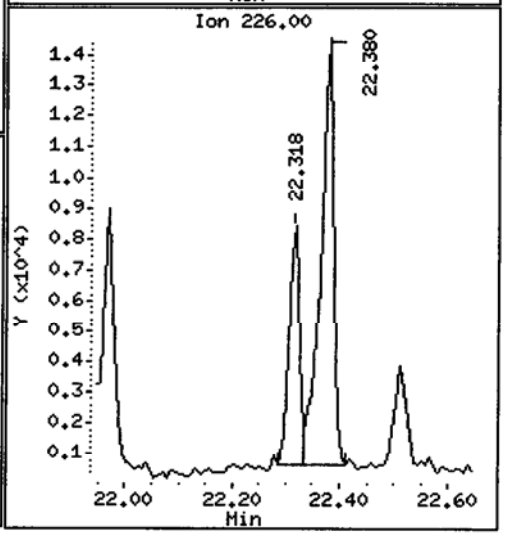












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

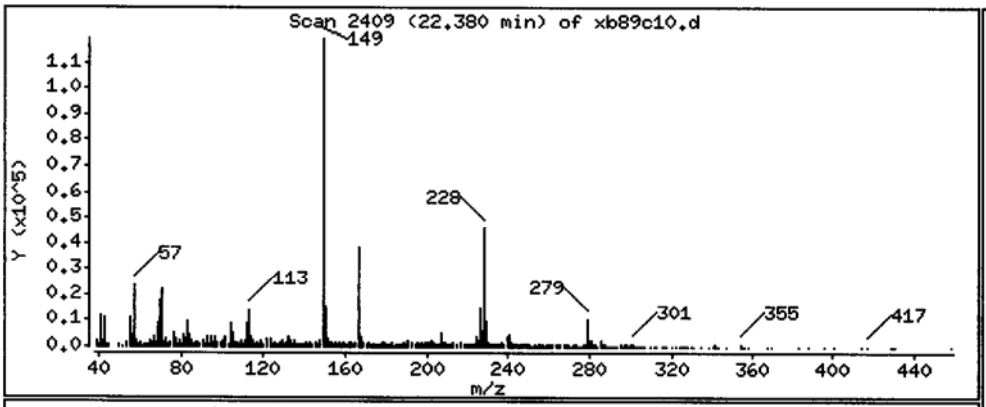
Operator: VTS/YZ

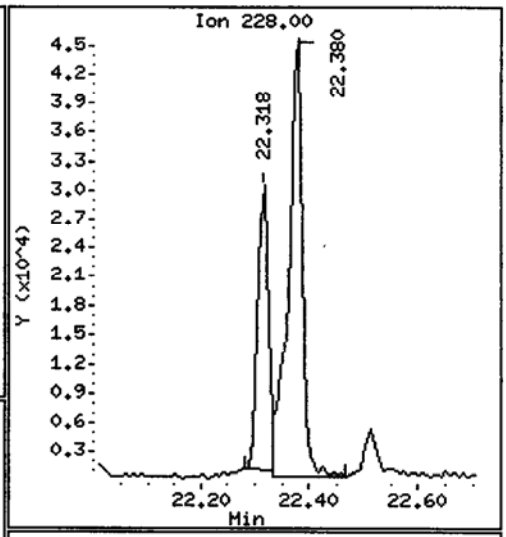
Column phase: ZB-5msi

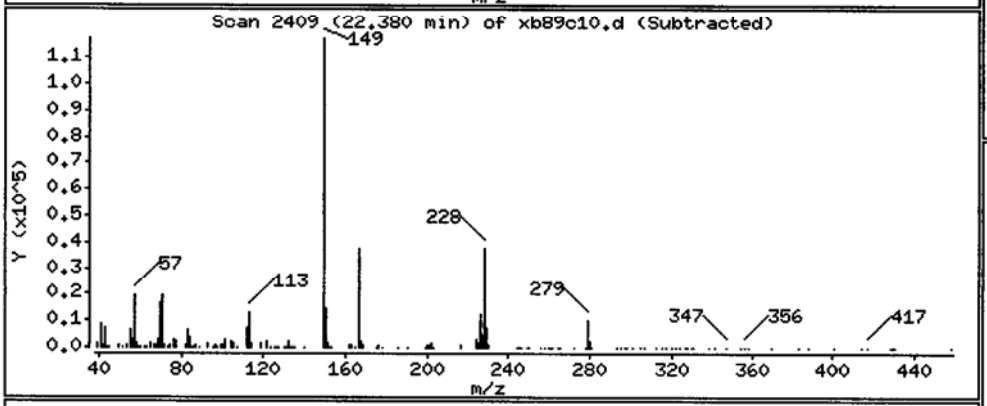
Column diameter: 0.25

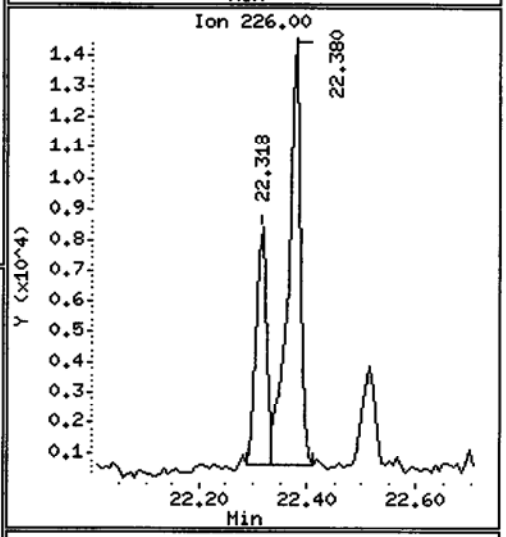
71 Chrysene

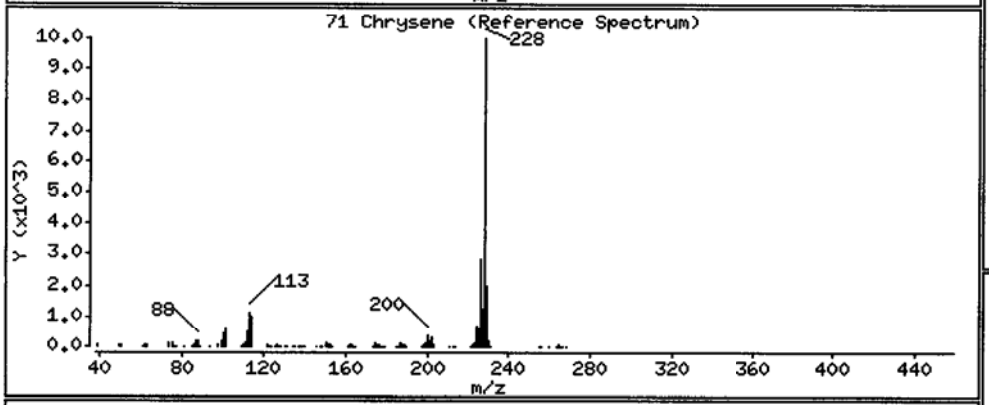
Concentration: 2006 ug/kg

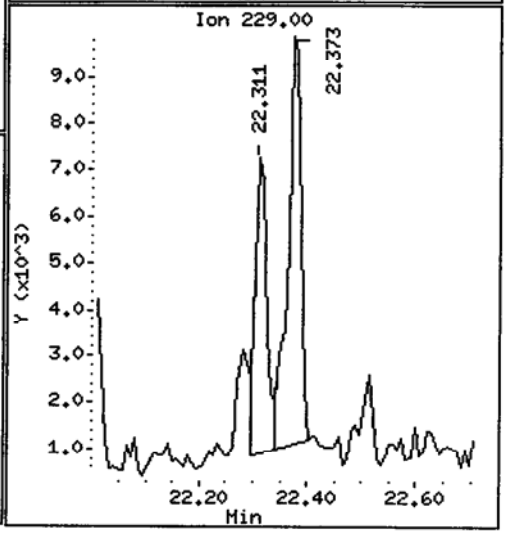


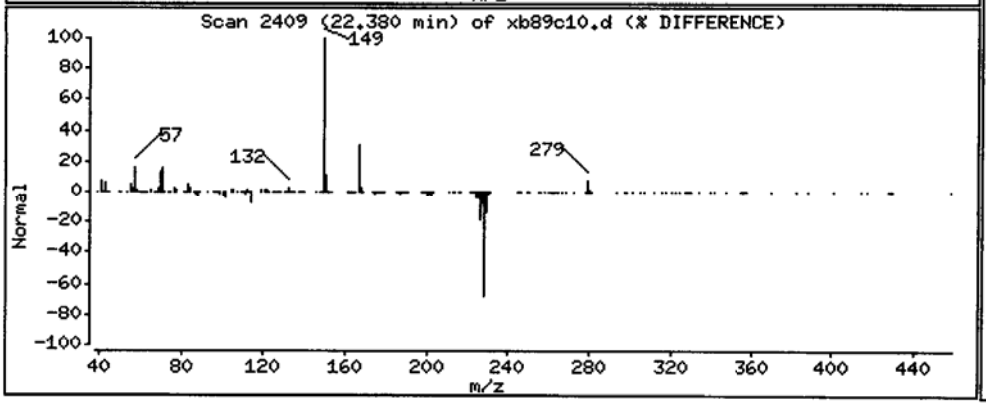












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

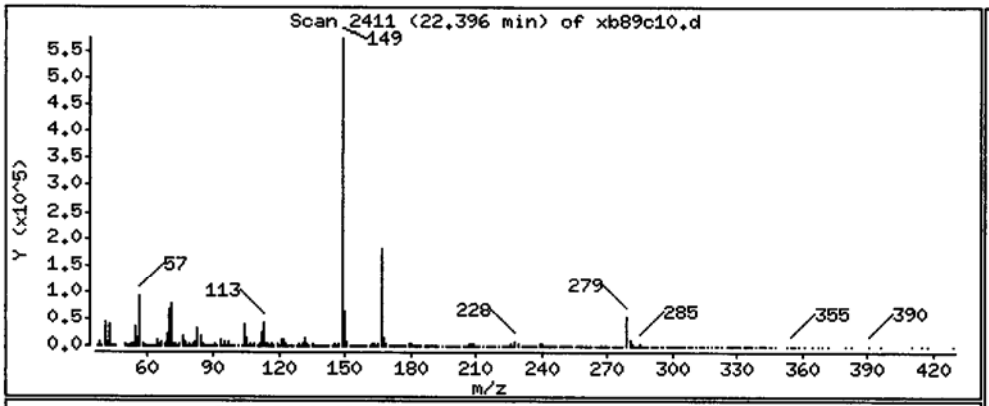
Operator: VTS/YZ

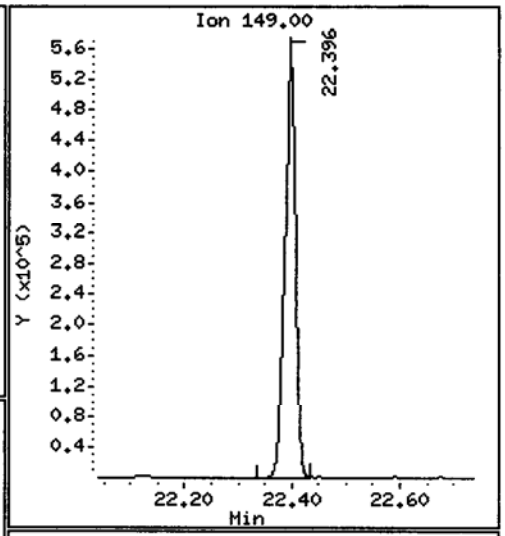
Column phase: ZB-5msi

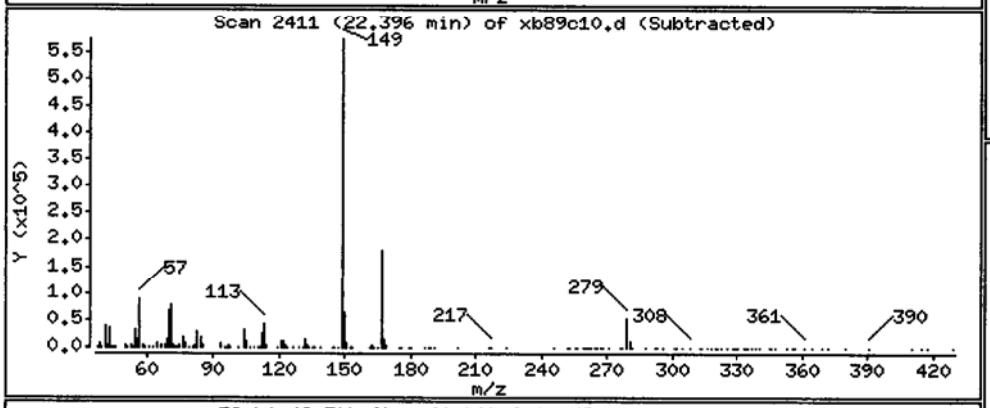
Column diameter: 0.25

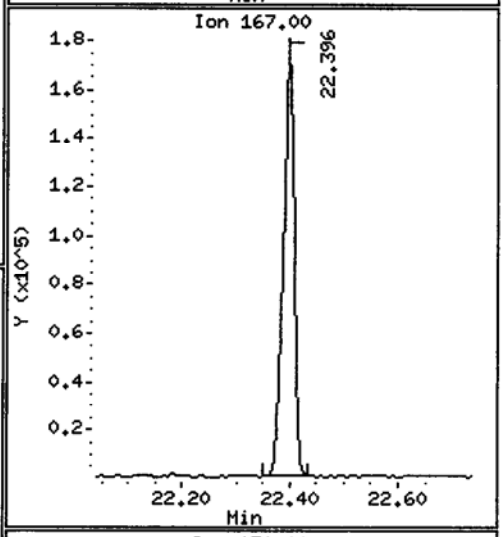
72 bis(2-Ethylhexyl)phthalate

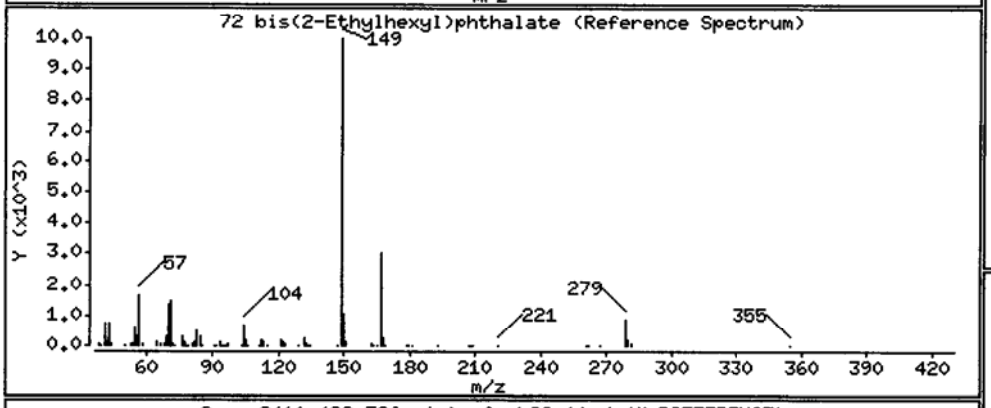
Concentration: 26930 ug/kg

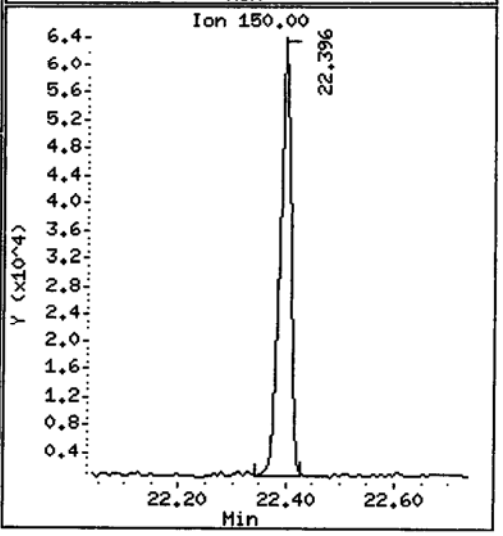


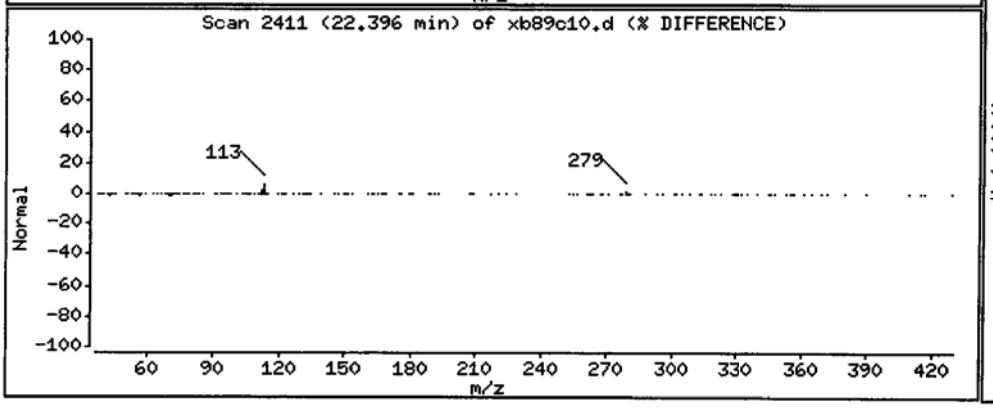












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

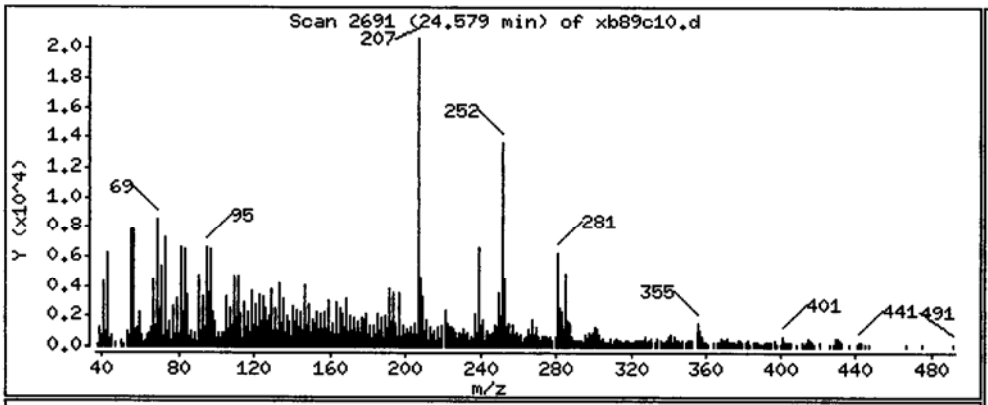
Operator: VTS/YZ

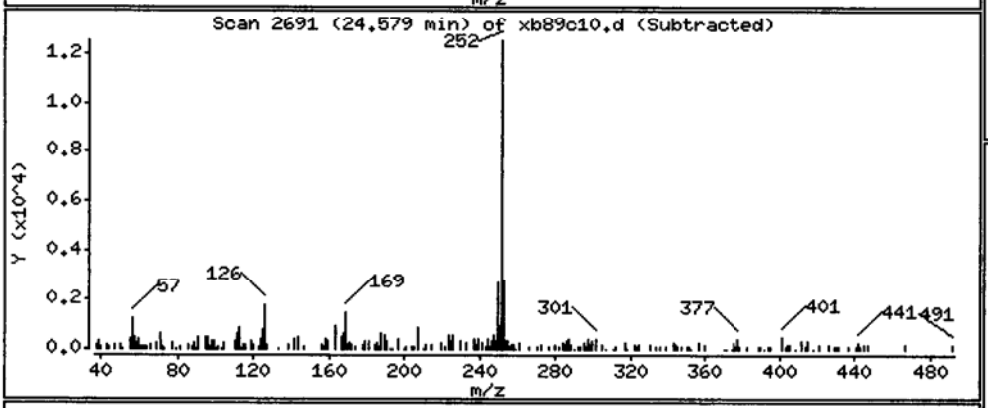
Column phase: ZB-5msi

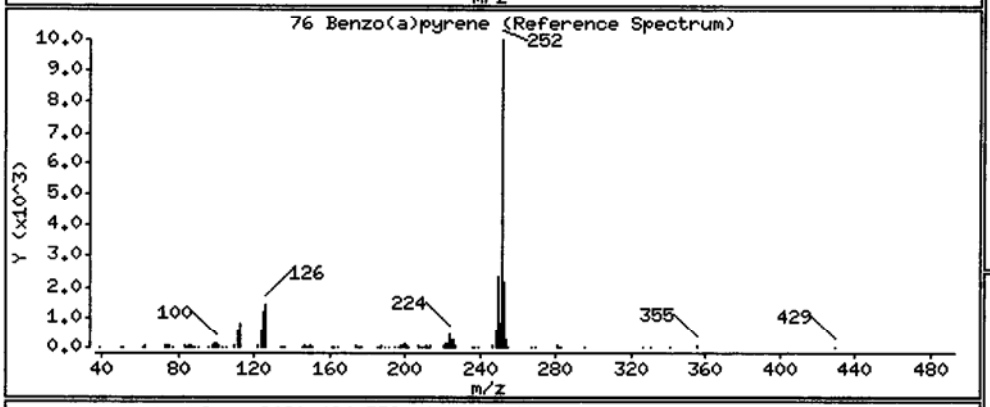
Column diameter: 0.25

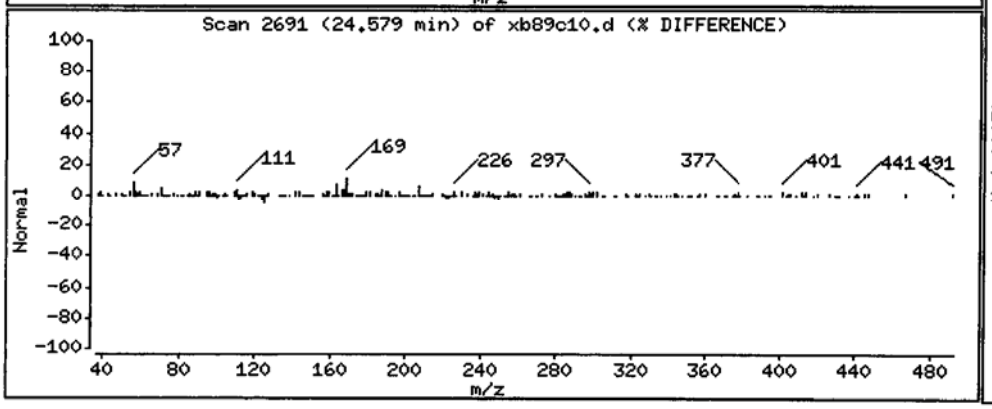
76 Benzo(a)pyrene

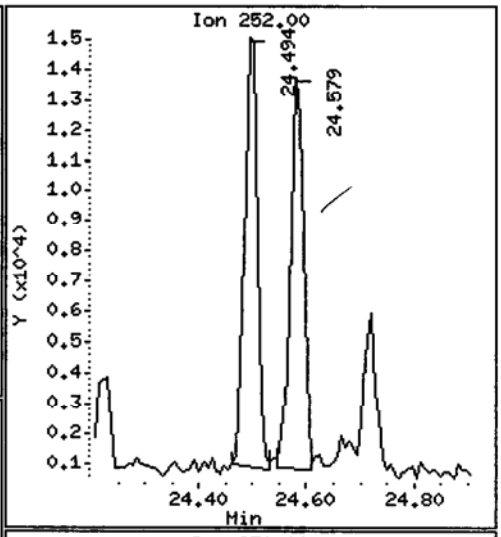
Concentration: 478.2 ug/kg

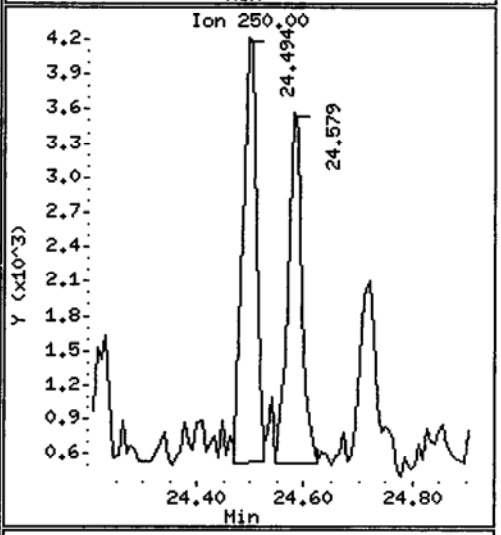


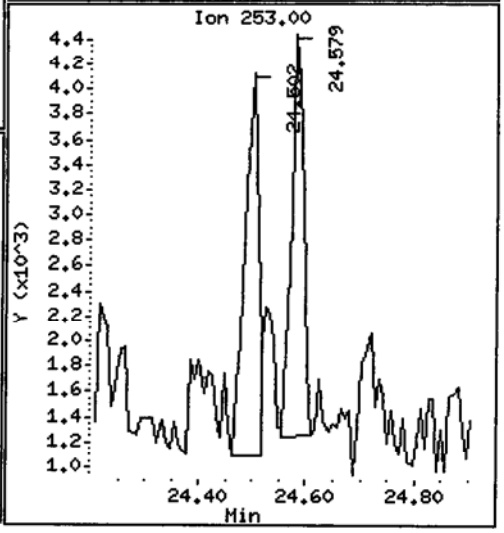












Data File: /chem1/nt10.i/20130903.b/xb89c10.d

Date : 03-SEP-2013 21:17

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C,30

Volume Injected (uL): 1.0

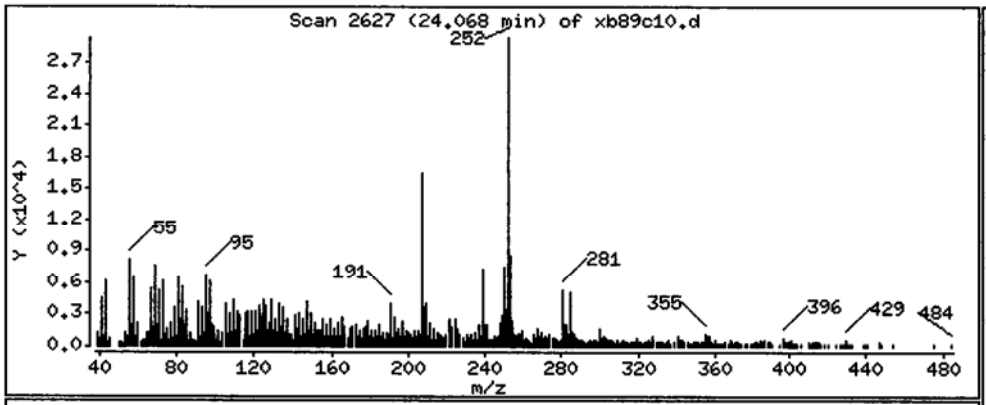
Operator: VTS/YZ

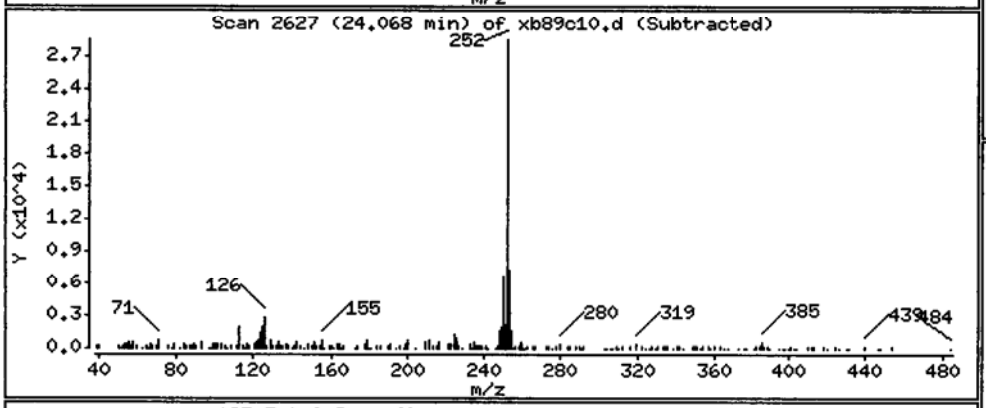
Column phase: ZB-5msi

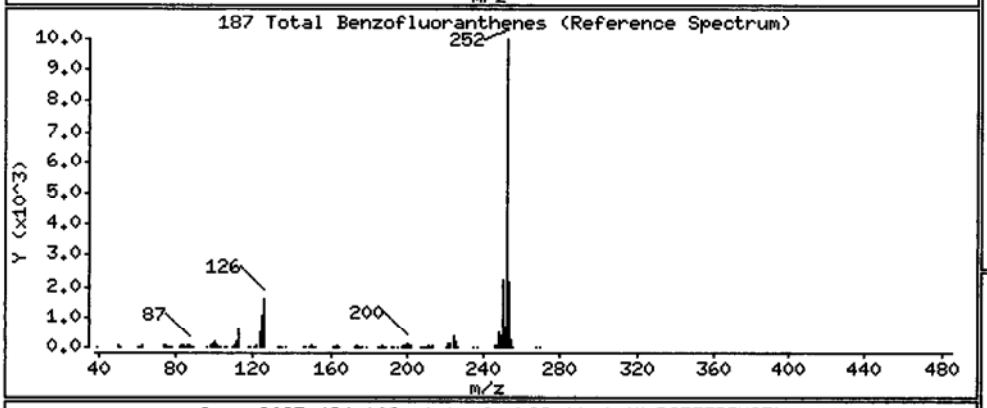
Column diameter: 0.25

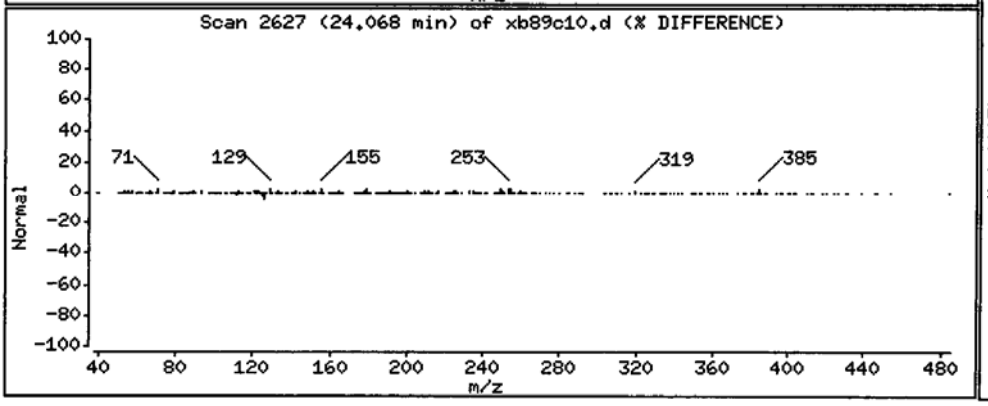
187 Total Benzofluoranthenes

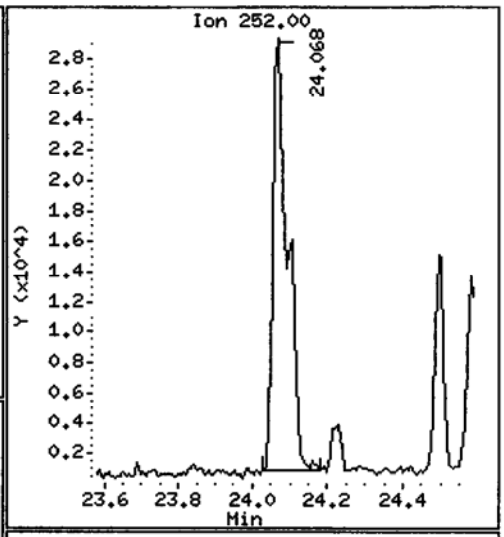
Concentration: 1598 ug/kg

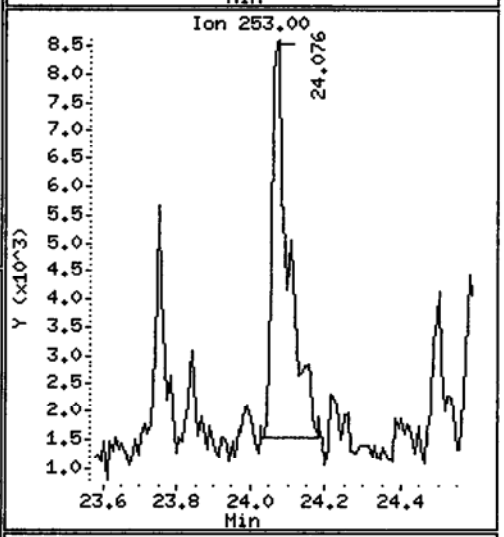


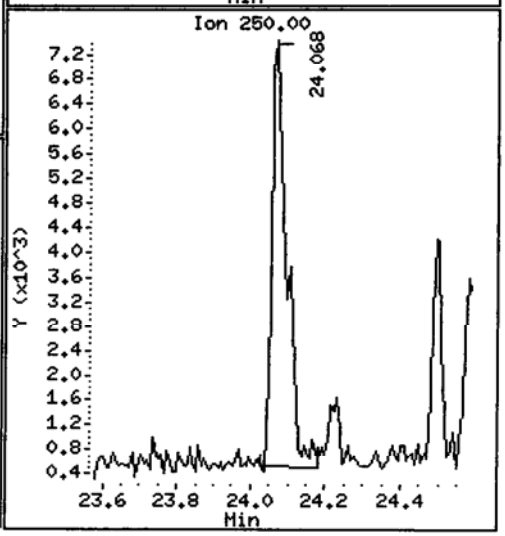












CO-ELUTION SUMMARY FOR FILE - xb89c10.d

Lab ID: XB89C, Method: ABN.m, Instrument: nt10.i, Date: 03-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

SIM Semivolatile Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: XB89

Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270D) BAN/SIM SVOA PSDDA–Soil/Sediment
Microwave (3546) (SOP # 3304S)

Preparation Test BAN/SIM SVOA PSDDA # 9 (BANSBANSDMP)

ARI Job No(s) XB89 Page 1 of 1 PSDDA (5-20ppb) Batch set up by: ~~SH~~

Bottle #	Extraction Requirements	Weight Extracted (eq. to 10g dry wt)	(REQ) GPC (1:1) 1 or (2)	Final Effective Volume	Volume to Lab	Comments	Verify Client ID / Microwave / KD / TurboVap / GPC / Post GPC KD / TurboVap
	XB89 MBS	10.00g	(1:1) (Y) / N	1mL	1mL	(Use 5g Pre-Deactivated Sodium Sulfate for Blanks)	M 8/26/13 Analyst/Date
	SBS	10.00g	(1:1) (Y) / N	1mL	1mL	(Use 5g Pre-Deactivated Sodium Sulfate for Blanks)	Microwave 1 2 (3) M 8/26/13 Analyst/Date
	SBS Dup.	10.00g	(1:1) (Y) / N	1mL	1mL	(Use 5g Pre-Deactivated Sodium Sulfate for Blanks)	KD 80-85°C (1) 2 3 4 5 6 YL 8/26/13 Analyst/Date
	~~QLS~~	~~10.00g~~	(1:1) Y / N	~~1mL~~	~~1mL~~	(Use 5g Pre-Deactivated Sodium Sulfate for Blanks)	
	~~QLS (SIM)~~	~~10.00g~~	(1:1) Y / N	~~1mL~~	~~1mL~~	~~(Use 5g Pre-Deactivated Sodium Sulfate for Blanks)~~	TurboVap (1) 2 3 AC Analyst/Date
4	XB89 A	21.28	(1:1) (Y) / N	1mL	1mL		
4	B	18.28	(1:1) (Y) / N	1mL	1mL		GPC Prep Filter (1:1) AC 8-29-13 Analyst/Date
5	C	18.27	(1:1) (Y) / N	1mL	1mL		
3	D	16.08	(1:1) (Y) / N	1mL	1mL		
3	Dms	16.13	(1:1) (Y) / N	1mL	1mL		Post GPC KD 80-85°C (1) 2 3 4 5 6 SR 08/30/13 Analyst/Date
3	Dmsd	16.09	(1:1) (Y) / N	1mL	1mL		
3	E	18.15	(1:1) (Y) / N	1mL	1mL		
3	F	16.18	(1:1) (Y) / N	1mL	1mL		TurboVap (1) 2 3 AC 8-30-13 Analyst/Date
Analyst/Date		NL 08/26/13 M 08/26/13		AC 8-29-13	AC 8-30-13	Reviewed by/Date	AC 8-30-13

Standard	Standard ID	Concentration	Volume	Expiration Date	Analyst	Witness
Surrogate	A (B###861)	100/150µg/mL	50µL	6/28/14	M	~~SH~~
Full List Spike (Freezer)	7 (B###695)	100µg/mL	50µL	12/18/13	M	~~SH~~
Base Spike	56(B###696)	200µg/mL	50µL	12/18/13	M	~~SH~~
Acid Spike	38(B###697)	100/200µg/mL	50µL	12/18/13	M	~~SH~~
~~QLS Spike (14 in Freezer)~~	~~14( )~~	~~10/100µg/mL~~	~~20µL~~			
~~SIM QLS Spike (Freezer)~~	~~25( )~~	~~1µg/mL~~	~~50µL~~			

Extraction Time: 9:30 Balance ID: B146462614

SPECIAL INSTRUCTIONS: 1. Weigh into beakers-lightly dry with Sodium Sulfate. 2. Transfer to microwave vessel. Note: do not fill vessel more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 DCM/ACE to the vessels (until solvent is 3" above soil layer after homogenization). 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-rehomogenize while hot then let cool 15 min in cold water. Re-homogenize while cool. 7. Decant 1:1 DCM/ACE into Erlenmeyer flask with sodium sulfate in the bottom and funnel containing pre-deactivated glasswool. 8. Rinse with DCM 9. Microwave a 2nd time using 80:20 DCM/ACE (until solvent is 3" above soil layer after homogenization). 10. Let cool and decant the solvent then empty the soil into the funnel and rinse with DCM. 11. KD (small ~~or large~~ drying column with pre-deactivated glasswool-Blanks=5g sulfate)) to 5mL at 80- 85°C. 12. GPC Req. 13. (After GPC): KD at 80-85°. 14. TurboVap. 15. Vial in DCM.

A. Need Total Solids Y /(N) B. Archive/Freeze Y /(N)

XB89 : 00683

SIM Semivolatile Raw Data
Initial Calibration

ARI Job ID: XB89

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS,SVOA Initial Calibration Notes

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) SIM ABN **805S**(op-Pest)

Instrument: NT-4 NT-6 NT-8 NT-10 NT11 NT12

Curve Date(s): 8/23/13 Internal Standard ID B000928 Expiration 6/26/14

DFTPP Tune Meets Criteria?	YES / NO	Minimum Response Factors Met/	YES / NO
DDT Breakdown <20%?	YES / NO	ICV Exceeding ±20%? see full scan	YES / NO
Peak Tailing Factor ≤2?	YES / NO	ICV Exceeding ±30%?	YES / NO
ICal Meets %RSD & r^2 Criteria?	YES / NO	Linear Fits Used?	YES / NO
Q flag applied?	YES / NO	Quadratic Fits Used?	YES / NO
Manual Integrations for ICal?	YES / NO	Calibration Points Dropped?	YES / NO
Spectral Library Updated?	YES / NO		

Primary Source	Standard #	Expiration	Secondary Source	Standard #	Expiration
Supelco	B000112	10/15/13			
	2004-2	09/25/14			
	B000931	2/20/14			
	B000943	7/3/14			
	B000676	12/14/13			

Detail problems, corrective actions and/or other pertinent information below:

Quadratic fit used for PCP

Analyst: YE **Date:** 8/27/13

Reviewer: [illegible] **Date:** 8/27/13

XBS9 : 00685

Analytical Resources Inc.: Organics Instrument Log

NT-10 Serial No.:GC=CN10837018, MS= US83131105

Date: 8/26/13 Analysis: ABN/SIM ABN Analyst: YZ

GC Program: ABN2 Column No: 27749 Column Type: ZB-SemiVol

Instrument Tune (.U or .CT.): B02284 EM Voltage: 2153

Calibration File: DF0823 Curve Date: 8/23/13 Injection Vol.: 1uL

IS/SS	Ical/Ccal	LCS/ICV
B928	B942 B943	
	B946 B944-2	
	B931	

Document All Maintenance Tasks In Element

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt10.i/20130823.b

	Time	Filename	LabID	ClientId	DF											
1	1550	df0823.d	DFTPP	DFTPP	1	NO ISTDS FOUND										
2	1604	ic0823a.d	IC0823A		1	8.64	172003	11.10	623958	14.66	335796	17.72	741215	22.82	756015	25.26	815839
3	1717	ic0823c.d	IC0823C		1	8.64	154402	11.09	559804	14.66	309982	17.72	674684	22.81	723424	25.26	758172
4	1753	ic0823d.d	IC0823D		1	8.64	160515	11.09	576038	14.66	314384	17.72	686356	22.81	741751	25.26	800926
5	1907	ic0823f.d	IC0823F		1	8.65	173257	11.10	629956	14.66	332266	17.72	733636	22.81	784841	25.26	840195
6	1943	ic0823g.d	IC0823G		1	8.64	147509	11.09	526426	14.66	292983	17.72	640647	22.81	699476	25.26	750028
7	2020	ic0823h.d	IC0823H		1	8.64	139174	11.10	506861	14.66	285913	17.72	635002	22.81	676009	25.26	746295
8	2056	ic0823i.d	IC0823I		1	8.64	155075	11.09	563297	14.66	307964	17.72	669341	22.81	735690	25.26	778844

YZ 8/26/13

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks In Element

XB89:00686

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Batch File: /chem1/nt10.i/20130823.b/SIM.b
Inst ID: nt10.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	ic0823a	ic0823c	ic0823d	ic0823f	ic0823g	ic0823h	ic0823i
INJ.DATE:	23-AUG-2013	23-AUG-2013	23-AUG-2013	23-AUG-2013	23-AUG-2013	23-AUG-2013	23-AUG-2013
INJ.TIME:	16:04	17:17	17:53	19:07	19:43	20:20	20:56

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	6.340	6.340	6.340	6.340	6.340	6.340	6.340	6.340	5.840-6.840	6.340	0.000
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	33.580	33.080-34.080	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.873	30.373-31.373	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.300	30.800-31.800	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.300	30.800-31.800	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.496	14.996-15.996	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.428	19.928-20.928	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.471	19.971-20.971	+++++	+++++
137 NewCpnd_131	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.828	7.328-8.328	+++++	+++++
* 134 Di-n-octylphthalate-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.740	16.240-17.240	+++++	+++++
133 Butylatedhydroxytoluen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.190	13.690-14.690	+++++	+++++
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.262	30.762-31.762	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	29.954	29.454-30.454	+++++	+++++
146 Benzo(j)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.752	23.252-24.252	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.717	27.217-28.217	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.566	20.066-21.066	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.796	19.296-20.296	+++++	+++++

Reviewer 1 YZ Date: 9/27/13
Reviewer 2 Date: 8/27/13

XTRG0059

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Batch File: /chem1/nt10.i/20130823.b/SIM.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
108	4,5,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.517	16.017-17.017	+++++	+++++
107	4,5-Dichloro-2-Methoxy	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.803	14.303-15.303	+++++	+++++
106	Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.843	11.343-12.343	+++++	+++++
105	1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.826	10.326-11.326	+++++	+++++
$ 2	Phenol-d5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.886	6.386-7.386	+++++	+++++
3	Phenol	7.963	7.963	7.963	7.963	7.963	7.963	7.963	7.963	7.463-8.463	7.963	0.000
4	Bis(2-Chloroethyl)ethe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.268	7.768-8.768	+++++	+++++
$ 5	2-Chlorophenol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.087	6.587-7.587	+++++	+++++
6	2-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.592	8.092-9.092	+++++	+++++
7	1,3-Dichlorobenzene	8.535	8.535	8.535	8.543	8.535	8.535	8.535	8.535	8.035-9.035	8.536	0.003
* 8	1,4-Dichlorobenzene-d4	8.644	8.644	8.644	8.651	8.643	8.644	8.644	8.644	8.144-9.144	8.645	0.003
9	1,4-Dichlorobenzene	8.675	8.675	8.675	8.675	8.675	8.675	8.675	8.675	8.175-9.175	8.675	0.000
$ 10	1,2-Dichlorobenzene-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.656	7.156-8.156	+++++	+++++
11	Benzyl alcohol	8.892	8.892	8.884	8.892	8.884	8.892	8.892	8.892	8.392-9.392	8.890	0.004
12	1,2-Dichlorobenzene	8.954	8.954	8.954	8.962	8.954	8.954	8.954	8.954	8.454-9.454	8.955	0.003
13	2-Methylphenol	9.086	9.086	9.086	9.094	9.086	9.086	9.086	9.086	8.586-9.586	9.087	0.003
14	2,2'-oxybis(1-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.998	8.498-9.498	+++++	+++++
15	4-Methylphenol	9.381	9.373	9.373	9.381	9.373	9.381	9.373	9.381	8.881-9.881	9.377	0.004
16	N-Nitroso-di-n-propyla	9.397	9.389	9.389	9.389	9.389	9.397	9.389	9.397	8.897-9.897	9.391	0.004
17	Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.363	8.863-9.863	+++++	+++++
$ 18	Nitrobenzene-d5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.237	7.737-8.737	+++++	+++++
19	Nitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.696	8.196-9.196	+++++	+++++
20	Isophorone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.987	8.487-9.487	+++++	+++++
21	2-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.356	8.856-9.856	+++++	+++++

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Batch File: /chem1/nt10.i/20130823.b/SIM.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	22 2,4-Dimethylphenol	10.420	10.412	10.412	10.420	10.420	10.420	10.412	10.420	9.920-10.920	10.417	0.004
	23 Bis(2-Chloroethoxy)met	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.557	9.057-10.057	+++++	+++++
	24 Benzoic acid	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.387	9.887-10.887	+++++	+++++
	25 2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.500	9.000-10.000	+++++	+++++
	26 1,2,4-Trichlorobenzene	10.983	10.983	10.982	10.982	10.982	10.982	10.983	10.983	10.483-11.483	10.982	0.000
*	27 Naphthalene-d8	11.098	11.091	11.091	11.098	11.090	11.098	11.091	11.098	10.598-11.598	11.094	0.004
	28 Naphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.518	9.018-10.018	+++++	+++++
	29 4-Chloroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.911	9.411-10.411	+++++	+++++
	30 Hexachlorobutadiene	11.392	11.392	11.392	11.392	11.392	11.392	11.392	11.392	10.892-11.892	11.392	0.000
	31 4-Chloro-3-methylpheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.412	9.912-10.912	+++++	+++++
	32 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.826	10.326-11.326	+++++	+++++
	33 Hexachlorocyclopentadi	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.194	10.694-11.694	+++++	+++++
	34 2,4,6-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.019	10.519-11.519	+++++	+++++
	35 2,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.386	10.886-11.886	+++++	+++++
$	36 2-Fluorobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.091	10.591-11.591	+++++	+++++
	37 2-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.600	11.100-12.100	+++++	+++++
	38 2-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.805	11.305-12.305	+++++	+++++
	39 Dimethylphthalate	14.124	14.124	14.124	14.124	14.124	14.124	14.116	14.124	13.624-14.624	14.123	0.003
	40 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.232	11.732-12.732	+++++	+++++
	41 2,6-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.177	11.677-12.677	+++++	+++++
*	42 Acenaphthene-d10	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.157-15.157	14.657	0.000
	43 3-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.508	12.008-13.008	+++++	+++++
	44 Acenaphthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.578	12.078-13.078	+++++	+++++

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Batch File: /chem1/nt10.i/20130823.b/SIM.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
45	2,4-Dinitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.660	12.160-13.160	+++++	+++++
46	Dibenzofuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.756	12.256-13.256	+++++	+++++
47	4-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.867	12.367-13.367	+++++	+++++
48	2,4-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.031	12.531-13.531	+++++	+++++
49	Fluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.248	12.748-13.748	+++++	+++++
50	Diethylphthalate	15.593	15.585	15.577	15.585	15.577	15.585	15.577	15.593	15.093-16.093	15.583	0.006
51	4-Chlorophenyl-phenyle	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.368	13.868-14.868	+++++	+++++
52	4-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.510	13.010-14.010	+++++	+++++
53	4,6-Dinitro-2-methylph	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.340	12.840-13.840	+++++	+++++
54	N-Nitrosodiphenylamine	16.049	16.041	16.041	16.049	16.041	16.049	16.041	16.049	15.549-16.549	16.044	0.004
$ 55	2,4,6-Tribromophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.476	12.976-13.976	+++++	+++++
56	4-Bromophenyl-phenylet	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.191	13.691-14.691	+++++	+++++
57	Hexachlorobenzene	16.913	16.913	16.913	16.913	16.912	16.913	16.913	16.913	16.413-17.413	16.913	0.000
58	Pentachlorophenol	17.323	17.323	17.323	17.338	17.323	17.323	17.331	17.323	16.823-17.823	17.326	0.006
* 59	Phenanthrene-d10	17.718	17.718	17.718	17.718	17.717	17.718	17.718	17.718	17.218-18.218	17.718	0.000
60	Phenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.803	14.303-15.303	+++++	+++++
61	Anthracene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.803	14.303-15.303	+++++	+++++
62	Carbazole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.290	14.790-15.790	+++++	+++++
63	Di-n-butylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.577	15.077-16.077	+++++	+++++
64	Fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.867	16.367-17.367	+++++	+++++
65	Pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.445	16.945-17.945	+++++	+++++
$ 66	Terphenyl-d14	20.921	20.921	20.921	20.921	20.921	20.921	20.921	20.921	20.421-21.421	20.921	0.000
67	Butylbenzylphthalate	21.842	21.842	21.834	21.842	21.842	21.842	21.842	21.842	21.342-22.342	21.841	0.003
68	Benzo(a)anthracene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.250	18.750-19.750	+++++	+++++

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Batch File: /chem1/nt10.i/20130823.b/SIM.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
*	69 Chrysene-d12	22.818	22.810	22.810	22.810	22.810	22.810	22.810	22.818	22.318-23.318	22.811	0.003
	70 3,3'-Dichlorobenzidine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.276	19.776-20.776	+++++	+++++
	71 Chrysene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.339	19.839-20.839	+++++	+++++
	72 bis(2-Ethylhexyl)phtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.411	18.911-19.911	+++++	+++++
	73 Di-n-octylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.324	19.824-20.824	+++++	+++++
	74 Benzo(b)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.144	20.644-21.644	+++++	+++++
	75 Benzo(k)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.144	20.644-21.644	+++++	+++++
	76 Benzo(a)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.373	21.873-22.873	+++++	+++++
*	77 Perylene-d12	25.264	25.257	25.256	25.256	25.256	25.256	25.257	25.264	24.764-25.764	25.258	0.003
	78 Indeno(1,2,3-cd)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.378	23.878-24.878	+++++	+++++
	79 Dibenzo(a,h)anthracene	27.589	27.581	27.573	27.589	27.581	27.581	27.581	27.589	27.089-28.089	27.582	0.005
	80 Benzo(g,h,i)perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.408	24.908-25.908	+++++	+++++
$	85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.238	16.738-17.738	+++++	+++++
$	86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	29.316	28.816-29.816	+++++	+++++
$	87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.007	25.507-26.507	+++++	+++++
$	88 Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	44.609	44.109-45.109	+++++	+++++
$	89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.597	16.097-17.097	+++++	+++++
	90 N-Nitrosodimethylamine	4.186	4.194	4.186	4.224	4.178	4.178	4.209	4.186	3.686-4.686	4.194	0.017
	91 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.913	7.413-8.413	+++++	+++++
	92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.615	21.115-22.115	+++++	+++++
	93 Benzidine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.089	14.589-15.589	+++++	+++++
$	95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.686	17.186-18.186	+++++	+++++
	96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.540	14.040-15.040	+++++	+++++
	97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.957	26.457-27.457	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Averaged

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Level 2: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Level 3: /chem1/nt10.i/20130823.b/SIM.b/ic0823c.d
Level 4: /chem1/nt10.i/20130823.b/SIM.b/ic0823g.d
Level 5: /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d
Level 6: /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d
Level 7: /chem1/nt10.i/20130823.b/SIM.b/ic0823a.d

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	___ RRF	% RSD
138 Chlorobenzilate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Isodrin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 Diallate A	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
141 Diallate B	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 1,2-Dibromo-3-Chloropropane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
135 2,3,5,6-Tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	RRF	% RSD	
111 Azobenzene (1,2-DP-Hydrazine)	+++++ / 27.28039	250	207	371	108	53.05147	169	77.475	<-
110 Tetrachloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
109 3,4,5-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
108 4,5,6-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
107 4,5-Dichloro-2-Methoxyphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
106 Guaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
105 1-methylnaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
3 Phenol	1.22038 / 1.42350	1.41093	1.41708	1.39783	1.43299	1.47570	1.39692	5.844	
4 Bis(2-Chloroethyl)ether	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	RRF	% RSD
6 2-Chlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 1,3-Dichlorobenzene	1.44017 / 1.24563	1.50946	1.44700	1.36702	1.33959	1.34522	1.38487	6.307
9 1,4-Dichlorobenzene	1.43140 / 1.20630	1.50121	1.41760	1.32559	1.28733	1.30753	1.35385	7.444
11 Benzyl alcohol	0.56748 / 0.83568	0.60177	0.72823	0.71686	0.75298	0.83349	0.71950	14.429
12 1,2-Dichlorobenzene	1.32889 / 1.15698	1.42202	1.36566	1.25969	1.24873	1.25503	1.29100	6.797
13 2-Methylphenol	0.92672 / 1.16823	1.10785	1.20245	1.16153	1.19525	1.20443	1.13806	8.703
14 2,2'-oxybis(1-Chloropropane)	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
15 4-Methylphenol	1.02414 / 1.20656	1.13339	1.18807	1.16576	1.21977	1.22929	1.16671	6.082
16 N-Nitroso-di-n-propylamine	0.58780 / 0.62820	0.66368	0.66165	0.64679	0.66135	0.65956	0.64415	4.325

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	RRF	% RSD
17 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Nitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Isophorone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
21 2-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 2,4-Dimethylphenol	0.30809	0.34600	0.36631	0.34497	0.34829	0.34588	0.32341	0.34042	5.559
23 Bis(2-Chloroethoxy)methane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Benzoic acid	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 1,2,4-Trichlorobenzene	0.35431	0.37920	0.37267	0.34679	0.34147	0.33405	0.30883	0.34819	6.831

Analytical Resources, Inc.

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Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	___ RRF	% RSD
28 Naphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 4-Chloroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
30 Hexachlorobutadiene	0.20370	0.22695	0.21483	0.20545	0.19778	0.20035	0.18213	0.20445	6.844
31 4-Chloro-3-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Hexachlorocyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 2,4,6-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 2,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 2-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	RRF	% RSD
38 2-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 Dimethylphthalate	1.14101	1.21716	1.29872	1.15482	1.19303	1.13727	1.11785	1.17998	5.302
40 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 2,6-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 3-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
44 Acenaphthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 2,4-Dinitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
46 Dibenzofuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
47 4-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	___ RRF	% RSD
48 2,4-Dinitrotoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Fluorene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Diethylphthalate	1.55129 / 1.27339	1.55083	1.53848	1.37818	1.39697	1.32497	1.43059	8.092
51 4-Chlorophenyl-phenylether	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
52 4-Nitroaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 4,6-Dinitro-2-methylphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 N-Nitrosodiphenylamine	0.39496 / 0.39077	0.43541	0.43128	0.41604	0.42666	0.40368	0.41412	4.331
56 4-Bromophenyl-phenylether	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 Hexachlorobenzene	0.30424 / 0.23778	0.31314	0.29018	0.26742	0.26874	0.24858	0.27572	10.169

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Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	___ RRF	% RSD	
58 Pentachlorophenol	0.08091	0.10572	0.12311	0.13875	0.16177	0.16665	0.17574	0.13609	25.645	<-
60 Phenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
61 Anthracene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
62 Carbazole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
63 Di-n-butylphthalate	+++++	2300	29865	2969	17567	15784	11.40000	11416	102.288	<-
64 Fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
65 Pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
67 Butylbenzylphthalate	0.38887	0.39223	0.42686	0.38782	0.41137	0.39378	0.40310	0.40058	3.573	
68 Benzo(a)anthracene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

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Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	RRF	% RSD
70 3,3'-Dichlorobenzidine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
71 Chrysene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 bis(2-Ethylhexyl)phthalate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 Di-n-octylphthalate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
74 Benzo(b)fluoranthene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 Benzo(k)fluoranthene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
76 Benzo(a)pyrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
78 Indeno(1,2,3-cd)pyrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Dibenzo(a,h)anthracene	0.96035 / 0.88543	0.99548	1.06387	0.96282	0.96174	0.92038	0.96430	5.845

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Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	___ RRF	% RSD
80 Benzo(g,h,i)perylene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 N-Nitrosodimethylamine	0.46151 / 0.57403	0.55715	0.53186	0.53288	0.55706	0.60961	0.54630	8.384
91 Aniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
92 1,2-Diphenylhydrazine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Benzidine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 p-Cymene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
97 Caffeine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 Retene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
99 Perylene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	___ RRF	% RSD
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 Pyridine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 2-Fluorophenol	1.23377	1.27242	1.26941	1.19543	1.19981	1.22631	1.17698	1.22488	3.002
$ 145 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 2 Phenol-d5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 5 2-Chlorophenol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 10 1,2-Dichlorobenzene-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1 / 5.000 Level 7	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	RRF	% RSD
$ 18 Nitrobenzene-d5	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 36 2-Fluorobiphenyl	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 55 2,4,6-Tribromophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 66 Terphenyl-d14	0.42618 / 0.39592	0.43507	0.42904	0.40065	0.41575	0.40072	0.41476	3.811
$ 85 p-Cresol-d4	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 86 Anthracene-d10	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 87 Fluoranthene-d10	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 88 Dibenz(a,h)anthracene-d14	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 89 Diphenyl-d10	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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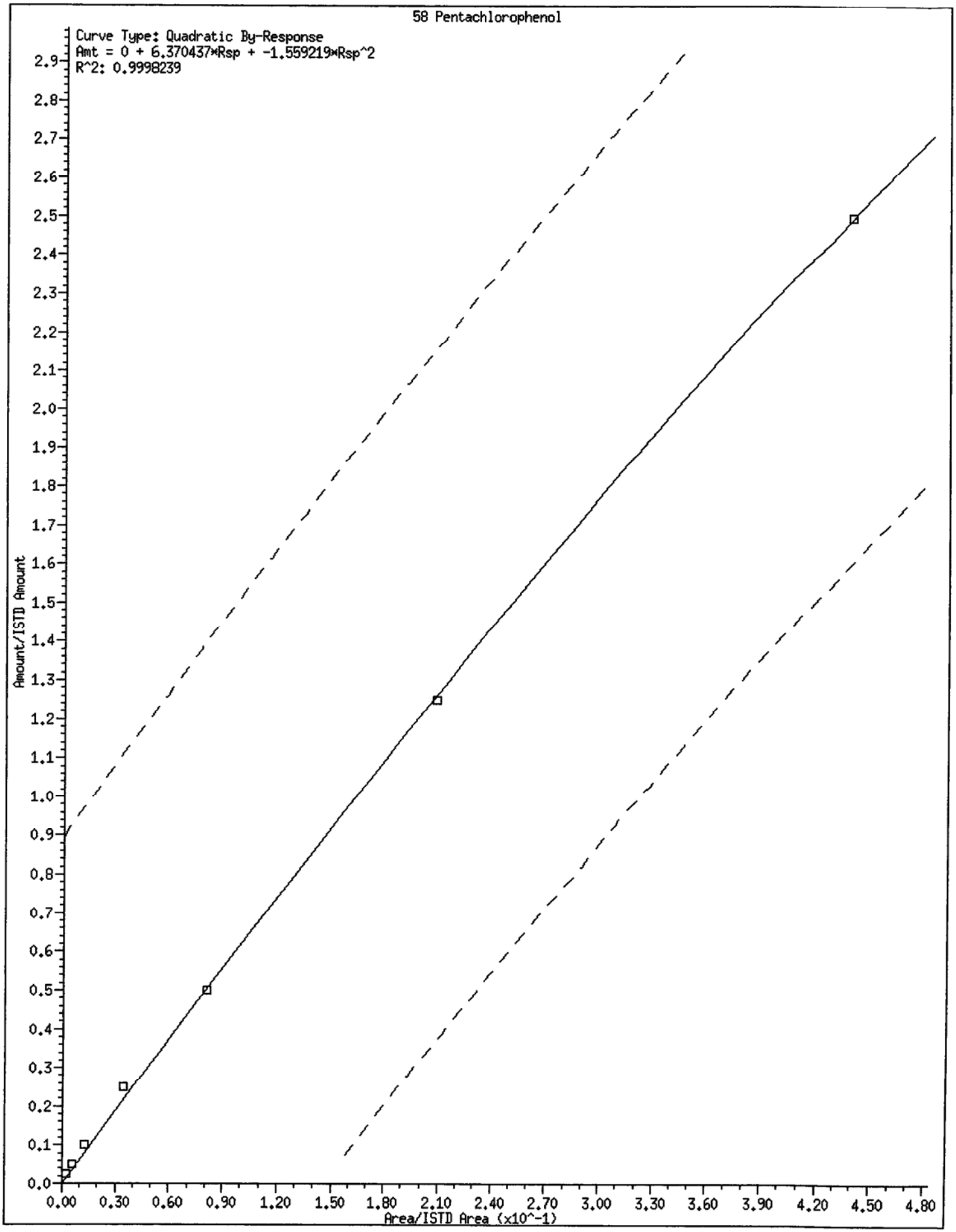
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:27 yev
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.20000 Level 3	0.50000 Level 4	1.000 Level 5	2.500 Level 6	5.000 Level 7	___ RRF	% RSD
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++


58 Pentachlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 6.370437*Rsp + -1.559219*Rsp^2
R^2: 0.9998239
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
0.00
0.30
0.60
0.90
1.20
1.50
1.80
2.10
2.40
2.70
3.00
3.30
3.60
3.90
4.20
4.50
4.80

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Origin : Force
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Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Calibration File Names:
Level 1: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Level 2: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Level 3: /chem1/nt10.i/20130823.b/SIM.b/ic0823c.d
Level 4: /chem1/nt10.i/20130823.b/SIM.b/ic0823g.d
Level 5: /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d
Level 6: /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d
Level 7: /chem1/nt10.i/20130823.b/SIM.b/ic0823a.d

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00

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Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
105 1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
3 Phenol	1.22038	1.41093	1.41708	1.39783	1.43299	1.47570					
	1.42350						AVRG		1.39692		5.84372
4 Bis(2-Chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
6 2-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
7 1,3-Dichlorobenzene	1.44017	1.50946	1.44700	1.36702	1.33959	1.34522					
	1.24553						AVRG		1.38487		6.30676
9 1,4-Dichlorobenzene	1.43140	1.50121	1.41760	1.32559	1.28733	1.30753					
	1.20630						AVRG		1.35385		7.44351
11 Benzyl alcohol	0.56748	0.60177	0.72823	0.71686	0.75298	0.83349					
	0.83558						AVRG		0.71950		14.42867

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Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
12 1,2-Dichlorobenzene	1.32889	1.42202	1.36566	1.25969	1.24873	1.25503					
	1.15698						AVRG		1.29100		6.79681
13 2-Methylphenol	0.92672	1.10785	1.20245	1.16153	1.19525	1.20443					
	1.16823						AVRG		1.13806		8.70308
14 2,2'-oxybis(1-Chloropropane)	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
15 4-Methylphenol	1.02414	1.13339	1.18807	1.16576	1.21977	1.22929					
	1.20656						AVRG		1.16671		6.08207
16 N-Nitroso-di-n-propylamine	0.58780	0.66368	0.66165	0.64679	0.66135	0.65956					
	0.62820						AVRG		0.64415		4.32539
17 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
19 Nitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00

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Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
20 Isophorone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
21 2-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
22 2,4-Dimethylphenol	0.30809	0.34600	0.36631	0.34497	0.34829	0.34588					
	0.32341						AVRG		0.34042		5.55912
23 Bis(2-Chloroethoxy)methane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
24 Benzoic acid	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
25 2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
26 1,2,4-Trichlorobenzene	0.35431	0.37920	0.37267	0.34679	0.34147	0.33405					
	0.30883						AVRG		0.34819		6.83060

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Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
35 2,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
37 2-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
38 2-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
39 Dimethylphthalate	1.14101	1.21716	1.29872	1.15482	1.19303	1.13727					
	1.11785						AVRG		1.17998		5.30217
40 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
41 2,6-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
43 3-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00

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Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
44 Acenaphthene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
45 2,4-Dinitrophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
46 Dibenzofuran	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
47 4-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
48 2,4-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
49 Fluorene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
50 Diethylphthalate	1.55129	1.55083	1.53848	1.37818	1.39697	1.32497					
	1.27339						AVRG		1.43059		8.09216

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
51 4-Chlorophenyl-phenylether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
52 4-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
53 4,6-Dinitro-2-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
54 N-Nitrosodiphenylamine	0.39496	0.43541	0.43128	0.41604	0.42666	0.40368					
	0.39077						AVRG		0.41412		4.33122
56 4-Bromophenyl-phenylether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
57 Hexachlorobenzene	0.30424	0.31314	0.29018	0.26742	0.26874	0.24858					
	0.23778						AVRG		0.27572		10.16914
58 Pentachlorophenol	1484	3538	8306	22223	55515	132275					
	325662						QUAD	0.000e+00	6.37044	-1.55922	0.99982

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	5 Level 7											
60 Phenanthrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
61 Anthracene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
62 Carbazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
63 Di-n-butylphthalate	+++++	2300	29865	2969	17567	15784						
	11.40000						AVRG		11416		102	<-
64 Fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
65 Pyrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
67 Butylbenzylphthalate	0.38887	0.39223	0.42686	0.38782	0.41137	0.39378						
	0.40310						AVRG		0.40058		3.57328	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
76 Benzo(a)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
78 Indeno(1,2,3-cd)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
79 Dibenzo(a,h)anthracene	0.96035	0.99548	1.06387	0.96282	0.96174	0.92038					
	0.88543						AVRG		0.96430		5.84493
80 Benzo(g,h,i)perylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
90 N-Nitrosodimethylamine	0.46151	0.55715	0.53186	0.53288	0.55706	0.60961					
	0.57403						AVRG		0.54630		8.38449
91 Aniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	5 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
103 Pyridine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
$ 1 2-Fluorophenol	1.23377	1.27242	1.26941	1.19543	1.19981	1.22631	1.17698	AVRG		1.22488		3.00236
$ 145 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
$ 2 Phenol-d5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
$ 5 2-Chlorophenol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
$ 10 1,2-Dichlorobenzene-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Compound	0.0500 Level 1	0.1000 Level 2	0.2000 Level 3	0.5000 Level 4	1 Level 5	2 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5 Level 7										
$ 18 Nitrobenzene-d5	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
$ 36 2-Fluorobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
$ 55 2,4,6-Tribromophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
$ 66 Terphenyl-d14	0.42618	0.43507	0.42904	0.40065	0.41575	0.40072					
	0.39592						AVRG		0.41476		3.81090
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2013 16:04
End Cal Date : 23-AUG-2013 20:56
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Cal Date : 26-Aug-2013 10:32 yev

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823a.d
Lab Smp Id: IC0823A
Inj Date : 23-AUG-2013 16:04
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823A
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 16:04 Cal File: ic0823a.d
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

8/26/13

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.340	6.340	(0.734)	253055	5.00000	4.804
	3	Phenol	94	7.963	7.963	(0.921)	306058	5.00000	5.095
	7	1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	267816	5.00000	4.497
*	8	1,4-Dichlorobenzene-d4	152	8.644	8.644	(1.000)	172003	4.00000	
	9	1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	259359	5.00000	4.455
	11	Benzyl alcohol	79	8.892	8.892	(1.029)	179674	5.00000	5.807
	12	1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	248756	5.00000	4.481
	13	2-Methylphenol	108	9.086	9.086	(1.051)	251173	5.00000	5.133
	15	4-Methylphenol	108	9.381	9.373	(1.085)	259414	5.00000	5.171
	16	N-Nitroso-di-n-propylamine	70	9.397	9.389	(1.087)	135066	5.00000	4.876
	22	2,4-Dimethylphenol	107	10.420	10.412	(0.939)	504479	10.0000	9.500
	26	1,2,4-Trichlorobenzene	180	10.983	10.983	(0.990)	240875	5.00000	4.435
*	27	Naphthalene-d8	136	11.098	11.091	(1.000)	623958	4.00000	
	30	Hexachlorobutadiene	225	11.392	11.392	(1.026)	142054	5.00000	4.454
	39	Dimethylphthalate	163	14.124	14.116	(0.964)	469214	5.00000	4.737
*	42	Acenaphthene-d10	162	14.657	14.657	(1.000)	335796	4.00000	
	50	Diethylphthalate	149	15.593	15.577	(1.064)	534498	5.00000	4.451
	54	N-Nitrosodiphenylamine	169	16.049	16.041	(0.906)	362052	5.00000	4.718
	57	Hexachlorobenzene	284	16.913	16.913	(0.955)	220304	5.00000	4.312
	58	Pentachlorophenol	266	17.323	17.331	(0.978)	325662	10.0000	12.91
*	59	Phenanthrene-d10	188	17.718	17.718	(1.000)	741215	4.00000	
$	66	Terphenyl-d14	244	20.921	20.921	(0.917)	374151	5.00000	4.773
	67	Butylbenzylphthalate	149	21.842	21.842	(0.957)	380933	5.00000	5.031
*	69	Chrysene-d12	240	22.818	22.810	(1.000)	756015	4.00000	
*	77	Perylene-d12	264	25.264	25.257	(1.000)	815839	4.00000	
	79	Dibenzo(a,h)anthracene	278	27.589	27.581	(1.092)	902962	5.00000	4.591
	90	N-Nitrosodimethylamine	74	4.186	4.209	(0.484)	246837	10.0000	10.51(M)

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823a.d
Lab Smp Id: IC0823A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53

Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	172003	7.16
27 Naphthalene-d8	576038	288019	1152076	623958	8.32
42 Acenaphthene-d10	314384	157192	628768	335796	6.81
59 Phenanthrene-d10	686356	343178	1372712	741215	7.99
69 Chrysene-d12	741751	370876	1483502	756015	1.92
77 Perylene-d12	800926	400463	1601852	815839	1.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.10	0.07
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.82	0.03
77 Perylene-d12	25.26	24.76	25.76	25.26	0.03

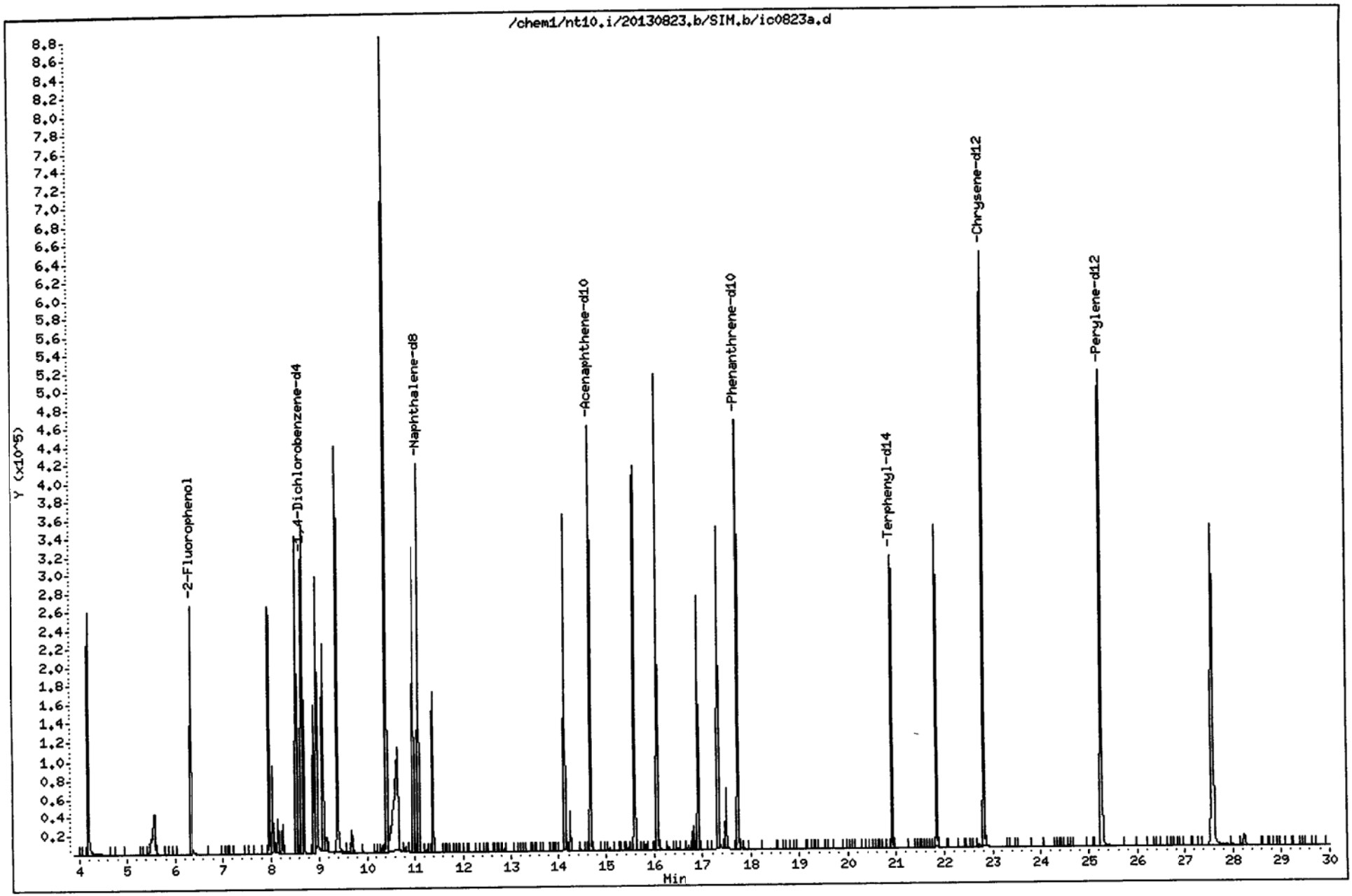
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823a.d
Date : 23-AUG-2013 16:04
Client ID:
Sample Info: IC0823A

Instrument: nt10.i

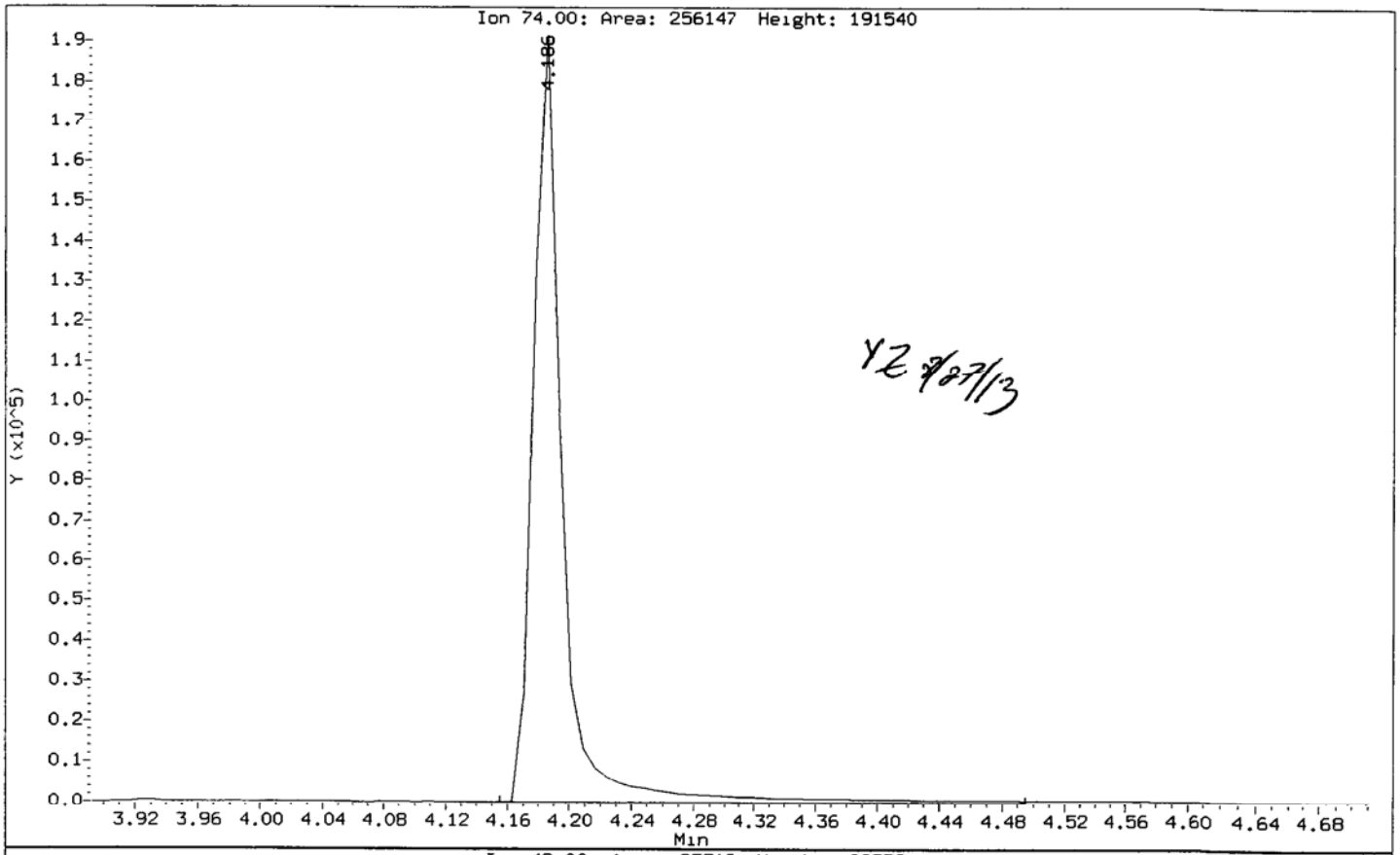
Operator: VTS/YZ
Column diameter: 0.25

Column phase: ZB-5msi

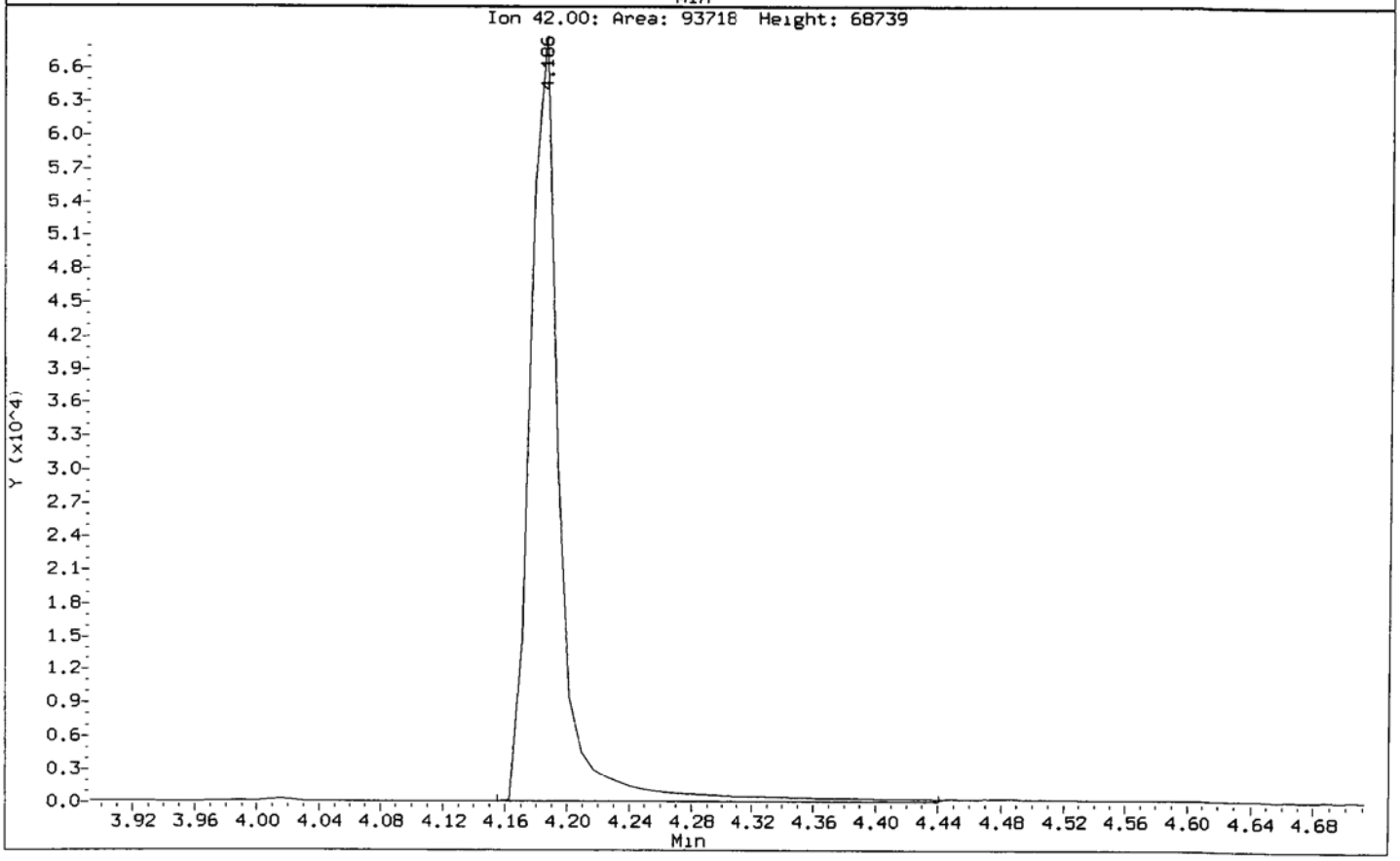


Data File: /chem1/nt10.1/20130823.b/SIM.b/ic0823a.d
Injection Date: 23-AUG-2013 16:04
Instrument: nt10.1
Client Sample ID:

Compound: N-Nitrosodimethylamine
CAS Number:



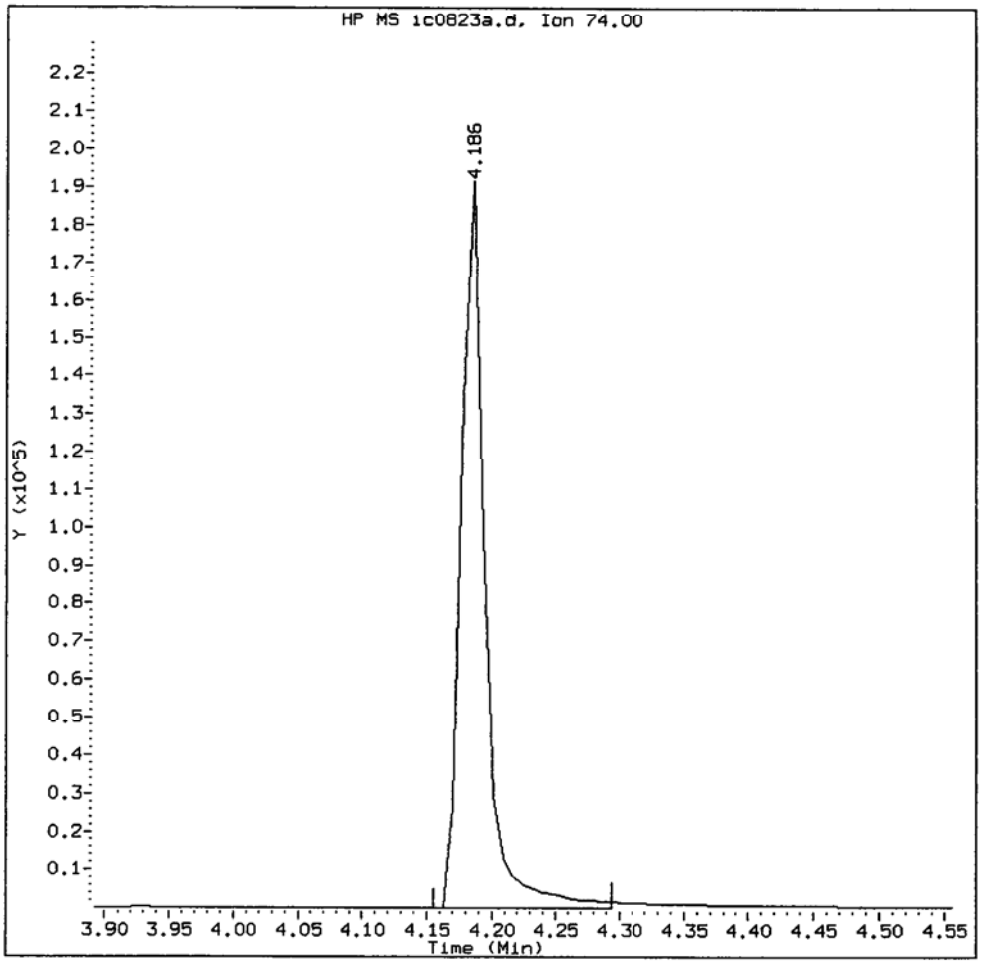
YZ 8/27/13



XB89 : 00722

IC0823A, /chem1/nt10.i/20130823.b/SIM.b/ic0823a.d

N-Nitrosodimethylamine Amount: 10.51 Area: 246837



MANUAL INTEGRATION for N-Nitrosodimethylamine

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found ~~✓~~
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/26/13

CO-ELUTION SUMMARY FOR FILE - ic0823a.d

Lab ID: IC0823A, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823c.d YZ 8/26/13
Lab Smp Id: IC0823C
Inj Date : 23-AUG-2013 17:17
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823C
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 17:17 Cal File: ic0823c.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.340	6.340	(0.734)	9800	0.20000	0.2073
	3 Phenol	94	7.963	7.963	(0.921)	10940	0.20000	0.2029
	7 1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	11171	0.20000	0.2090
*	8 1,4-Dichlorobenzene-d4	152	8.644	8.644	(1.000)	154402	4.00000	
	9 1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	10944	0.20000	0.2094
	11 Benzyl alcohol	79	8.892	8.892	(1.029)	5622	0.20000	0.2024
	12 1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	10543	0.20000	0.2116
	13 2-Methylphenol	108	9.086	9.086	(1.051)	9283	0.20000	0.2113
	15 4-Methylphenol	108	9.373	9.373	(1.084)	9172	0.20000	0.2037
	16 N-Nitroso-di-n-propylamine	70	9.389	9.389	(1.086)	5108	0.20000	0.2054
	22 2,4-Dimethylphenol	107	10.412	10.412	(0.939)	20506	0.40000	0.4304
	26 1,2,4-Trichlorobenzene	180	10.983	10.983	(0.990)	10431	0.20000	0.2141
*	27 Naphthalene-d8	136	11.091	11.091	(1.000)	559804	4.00000	
	30 Hexachlorobutadiene	225	11.392	11.392	(1.027)	6013	0.20000	0.2101
	39 Dimethylphthalate	163	14.124	14.116	(0.964)	20129	0.20000	0.2201
*	42 Acenaphthene-d10	162	14.657	14.657	(1.000)	309982	4.00000	
	50 Diethylphthalate	149	15.585	15.577	(1.063)	23845	0.20000	0.2151
	54 N-Nitrosodiphenylamine	169	16.041	16.041	(0.905)	14549	0.20000	0.2083
	57 Hexachlorobenzene	284	16.913	16.913	(0.955)	9789	0.20000	0.2105
	58 Pentachlorophenol	266	17.323	17.331	(0.978)	8306	0.40000	0.3618
*	59 Phenanthrene-d10	188	17.718	17.718	(1.000)	674684	4.00000	
$	66 Terphenyl-d14	244	20.921	20.921	(0.917)	15519	0.20000	0.2069
	67 Butylbenzylphthalate	149	21.842	21.842	(0.958)	15440	0.20000	0.2131
*	69 Chrysene-d12	240	22.810	22.810	(1.000)	723424	4.00000	
*	77 Perylene-d12	264	25.257	25.257	(1.000)	758172	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.581	27.581	(1.092)	40330	0.20000	0.2207
	90 N-Nitrosodimethylamine	74	4.194	4.209	(0.485)	8212	0.40000	0.3894 (M)

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823c.d
Lab Smp Id: IC0823C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	154402	-3.81
27 Naphthalene-d8	576038	288019	1152076	559804	-2.82
42 Acenaphthene-d10	314384	157192	628768	309982	-1.40
59 Phenanthrene-d10	686356	343178	1372712	674684	-1.70
69 Chrysene-d12	741751	370876	1483502	723424	-2.47
77 Perylene-d12	800926	400463	1601852	758172	-5.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.09	0.00
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

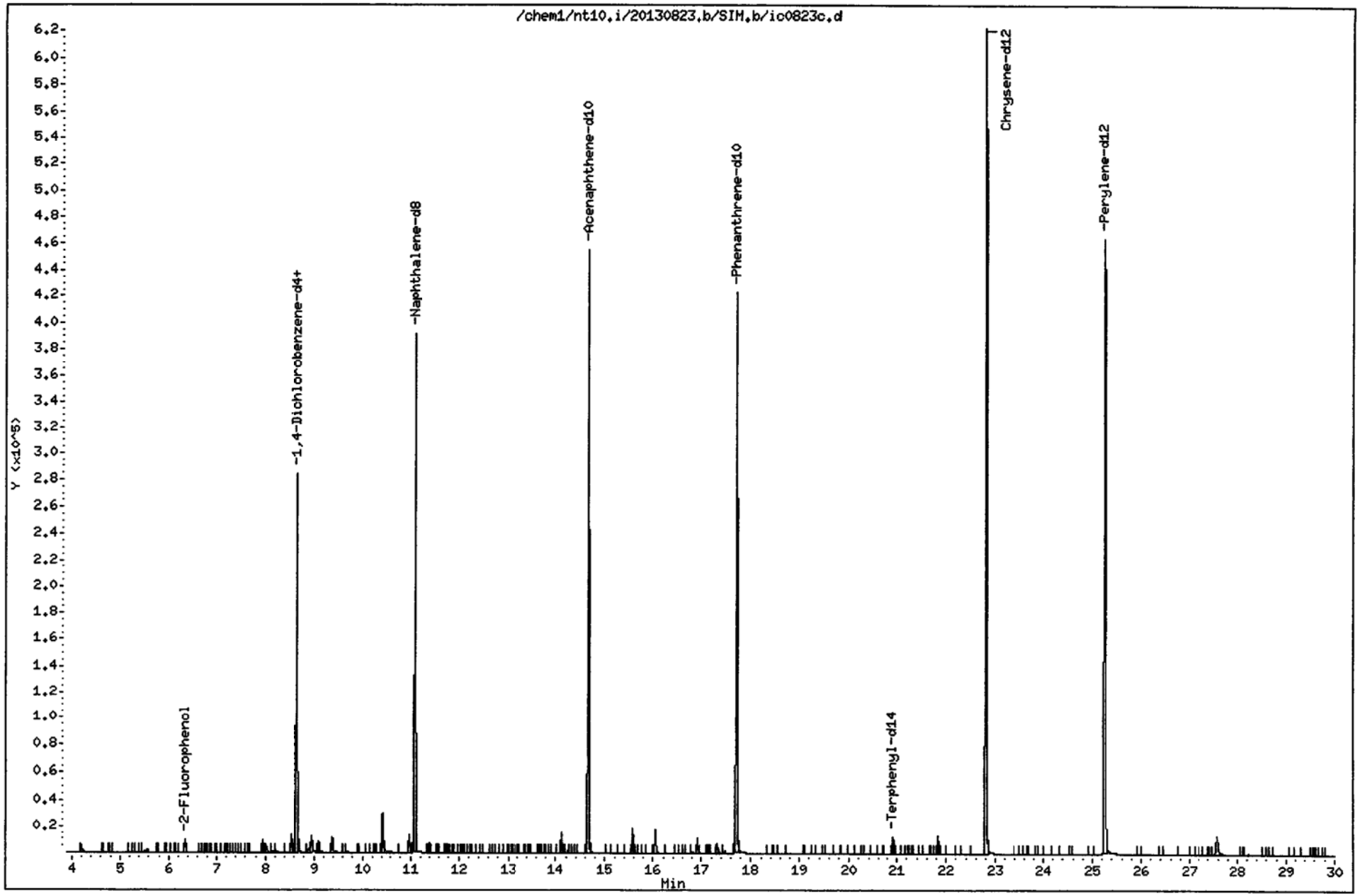
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823c.d
Date : 23-AUG-2013 17:17
Client ID:
Sample Info: IC0823C

Instrument: nt10.i

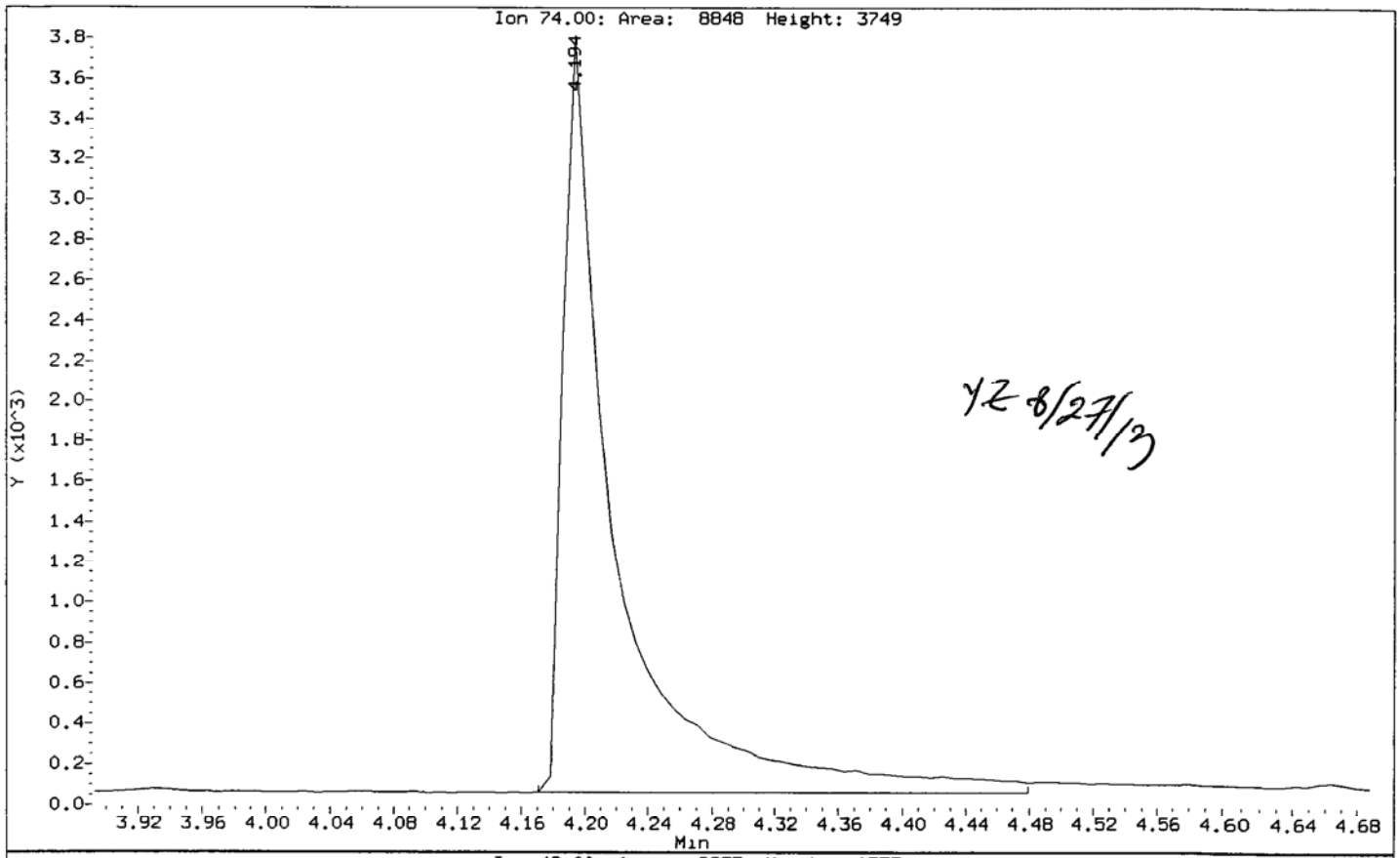
Operator: VTS/YZ
Column diameter: 0.25

Column phase: ZB-5msi

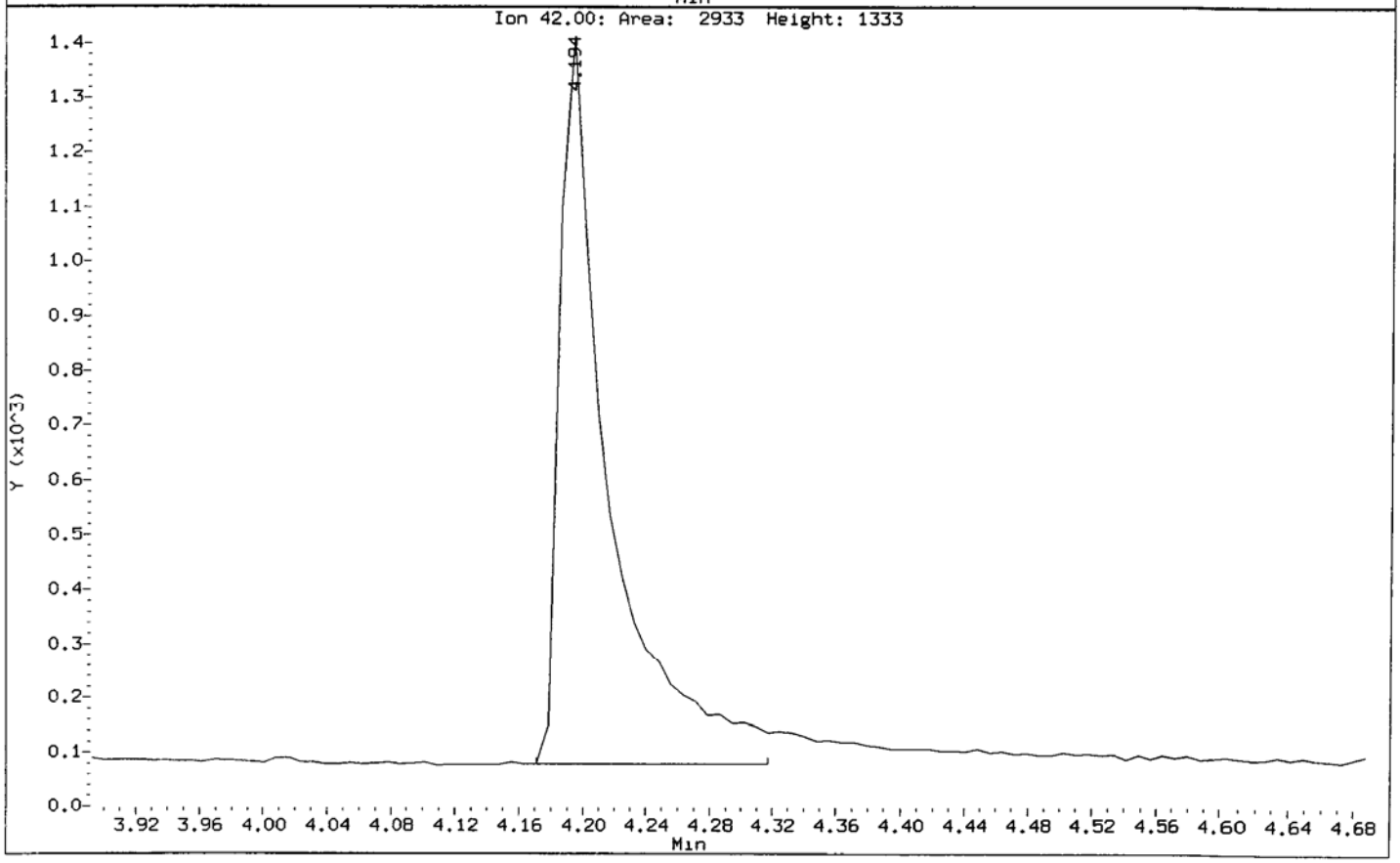


Data File: /chem1/nt10.1/20130823.b/SIM.b/ic0823c.d
Injection Date: 23-AUG-2013 17:17
Instrument: nt10.1
Client Sample ID:

Compound: N-Nitrosodimethylamine
CAS Number:



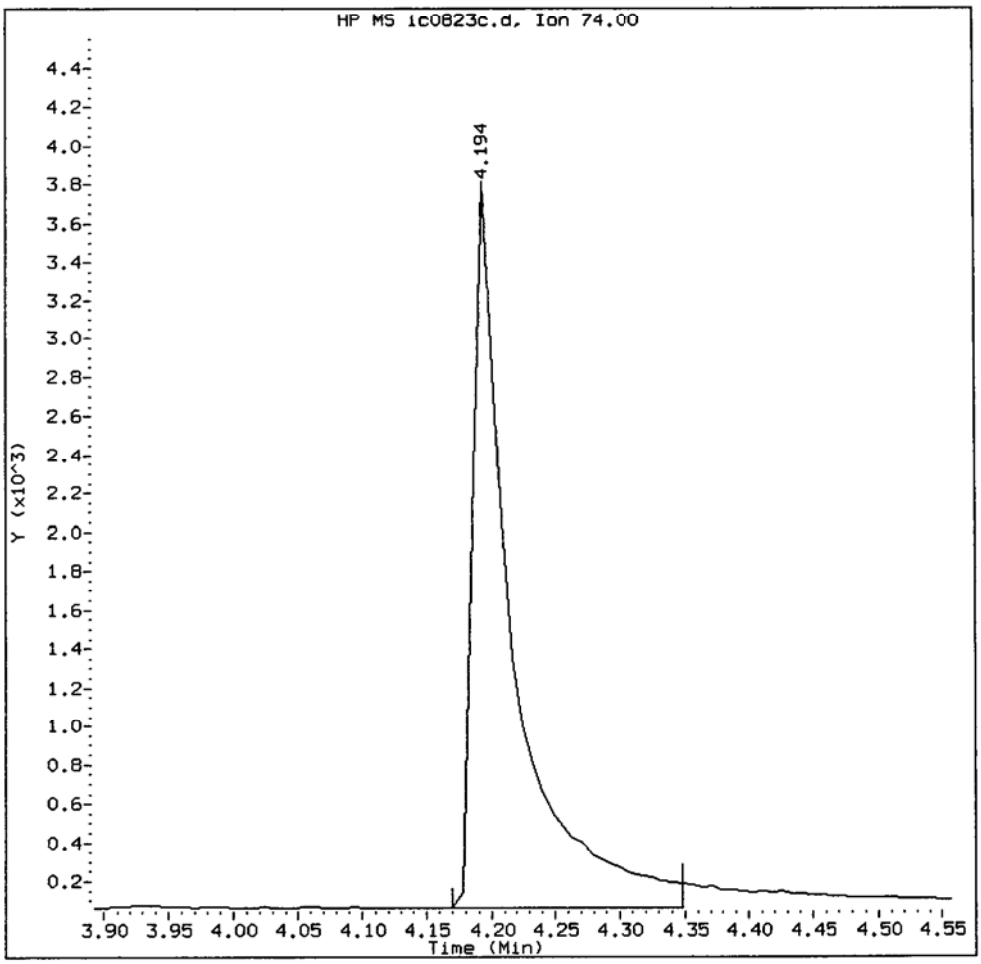
YZ 8/27/13



XB89:00729

IC0823C, /chem1/nt10.i/20130823.b/SIM.b/ic0823c.d

N-Nitrosodimethylamine Amount: 0.39 Area: 8212



MANUAL INTEGRATION for N-Nitrosodimethylamine

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found ✓
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/26/13

CO-ELUTION SUMMARY FOR FILE - ic0823c.d

Lab ID: IC0823C, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

Y-2 8/26/13

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d
Lab Smp Id: IC0823D
Inj Date : 23-AUG-2013 17:53
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823D
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 17:53 Cal File: ic0823d.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.340	6.340	(0.734)	48147	1.00000	0.9795
	3	Phenol	94	7.963	7.963	(0.921)	57504	1.00000	1.026
	7	1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	53756	1.00000	0.9673
*	8	1,4-Dichlorobenzene-d4	152	8.644	8.644	(1.000)	160515	4.00000	
	9	1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	51659	1.00000	0.9509
	11	Benzyl alcohol	79	8.884	8.892	(1.028)	30216	1.00000	1.047
	12	1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	50110	1.00000	0.9673
	13	2-Methylphenol	108	9.086	9.086	(1.051)	47964	1.00000	1.050
	15	4-Methylphenol	108	9.373	9.373	(1.084)	48948	1.00000	1.045
	16	N-Nitroso-di-n-propylamine	70	9.389	9.389	(1.086)	26539	1.00000	1.027
	22	2,4-Dimethylphenol	107	10.412	10.412	(0.939)	100315	2.00000	2.046
	26	1,2,4-Trichlorobenzene	180	10.982	10.983	(0.990)	49175	1.00000	0.9807
*	27	Naphthalene-d8	136	11.091	11.091	(1.000)	576038	4.00000	
	30	Hexachlorobutadiene	225	11.392	11.392	(1.027)	28482	1.00000	0.9673
	39	Dimethylphthalate	163	14.124	14.116	(0.964)	93767	1.00000	1.011
*	42	Acenaphthene-d10	162	14.657	14.657	(1.000)	314384	4.00000	
	50	Diethylphthalate	149	15.577	15.577	(1.063)	109796	1.00000	0.9765
	54	N-Nitrosodiphenylamine	169	16.041	16.041	(0.905)	73210	1.00000	1.030
	57	Hexachlorobenzene	284	16.913	16.913	(0.955)	46112	1.00000	0.9747
	58	Pentachlorophenol	266	17.323	17.331	(0.978)	55515	2.00000	2.377
*	59	Phenanthrene-d10	188	17.718	17.718	(1.000)	686356	4.00000	
$	66	Terphenyl-d14	244	20.921	20.921	(0.917)	77095	1.00000	1.002
	67	Butylbenzylphthalate	149	21.834	21.842	(0.957)	76284	1.00000	1.027
*	69	Chrysene-d12	240	22.810	22.810	(1.000)	741751	4.00000	
*	77	Perylene-d12	264	25.256	25.257	(1.000)	800926	4.00000	
	79	Dibenzo(a,h)anthracene	278	27.573	27.581	(1.092)	192571	1.00000	0.9974
	90	N-Nitrosodimethylamine	74	4.186	4.209	(0.484)	44708	2.00000	2.039(M)

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823d.d
Lab Smp Id: IC0823D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53

Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	160515	0.00
27 Naphthalene-d8	576038	288019	1152076	576038	0.00
42 Acenaphthene-d10	314384	157192	628768	314384	0.00
59 Phenanthrene-d10	686356	343178	1372712	686356	0.00
69 Chrysene-d12	741751	370876	1483502	741751	0.00
77 Perylene-d12	800926	400463	1601852	800926	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.09	0.00
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

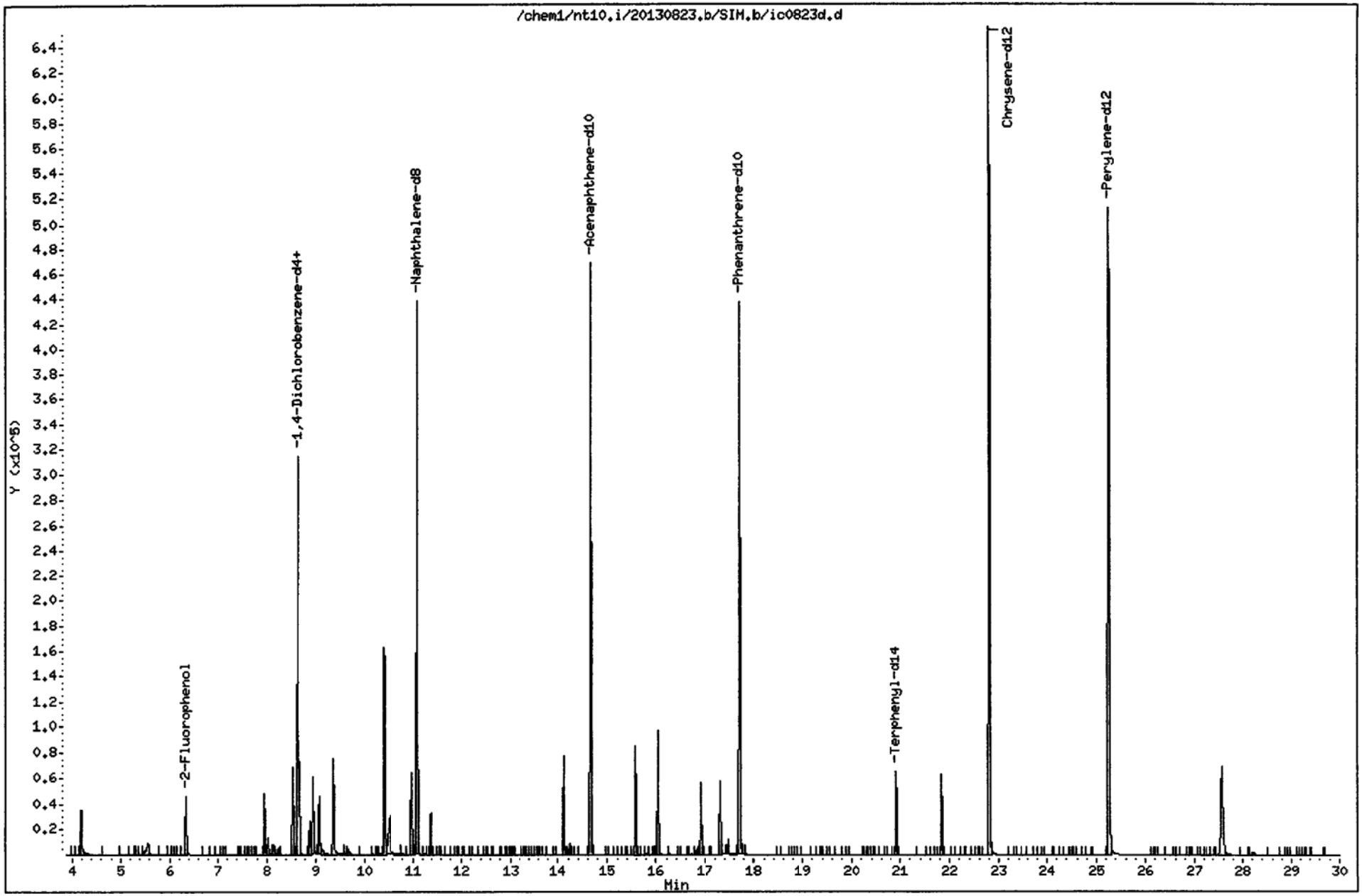
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d
Date : 23-AUG-2013 17:53
Client ID:
Sample Info: IC0823D

Instrument: nt10.i

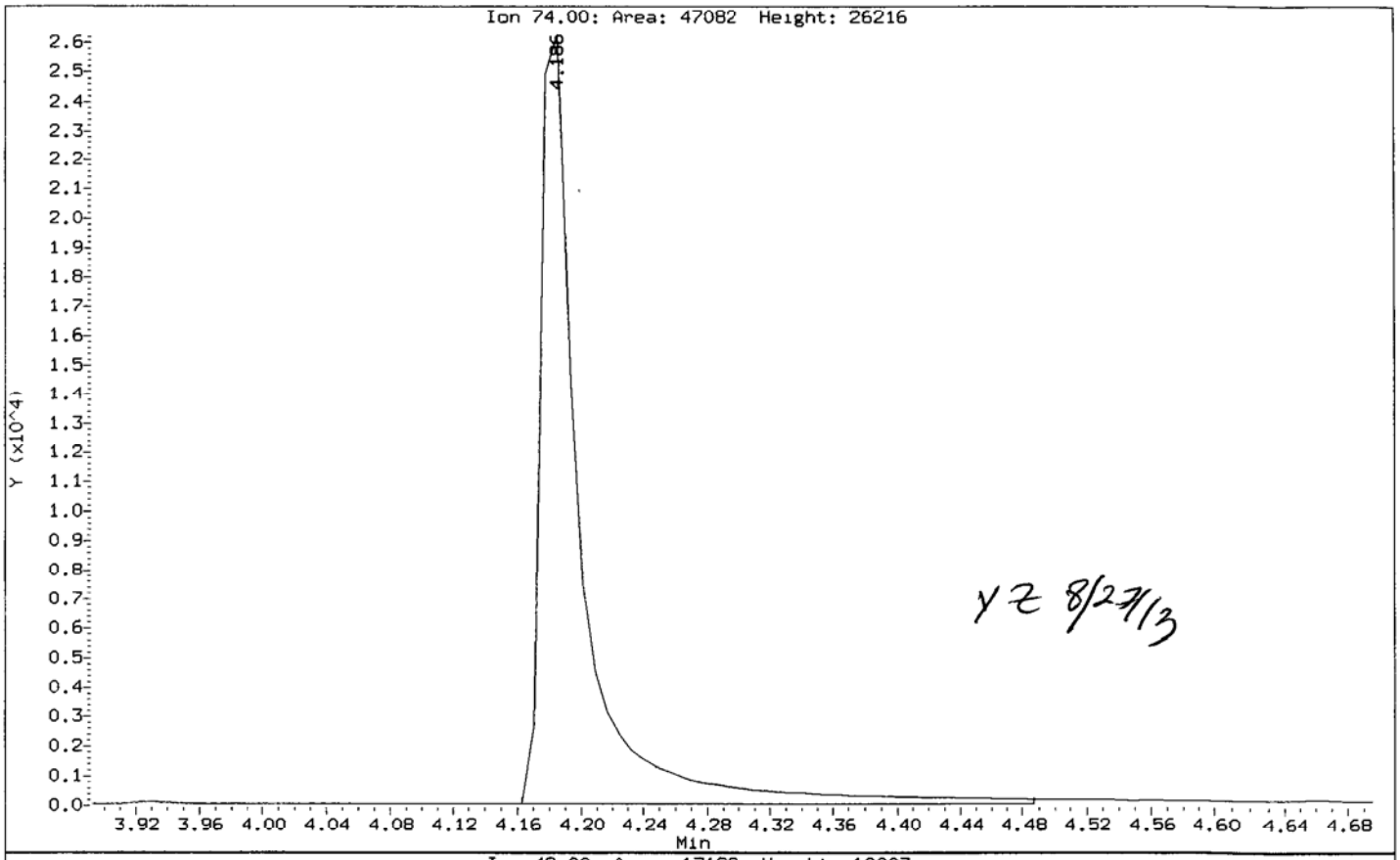
Operator: VTS/YZ
Column diameter: 0.25

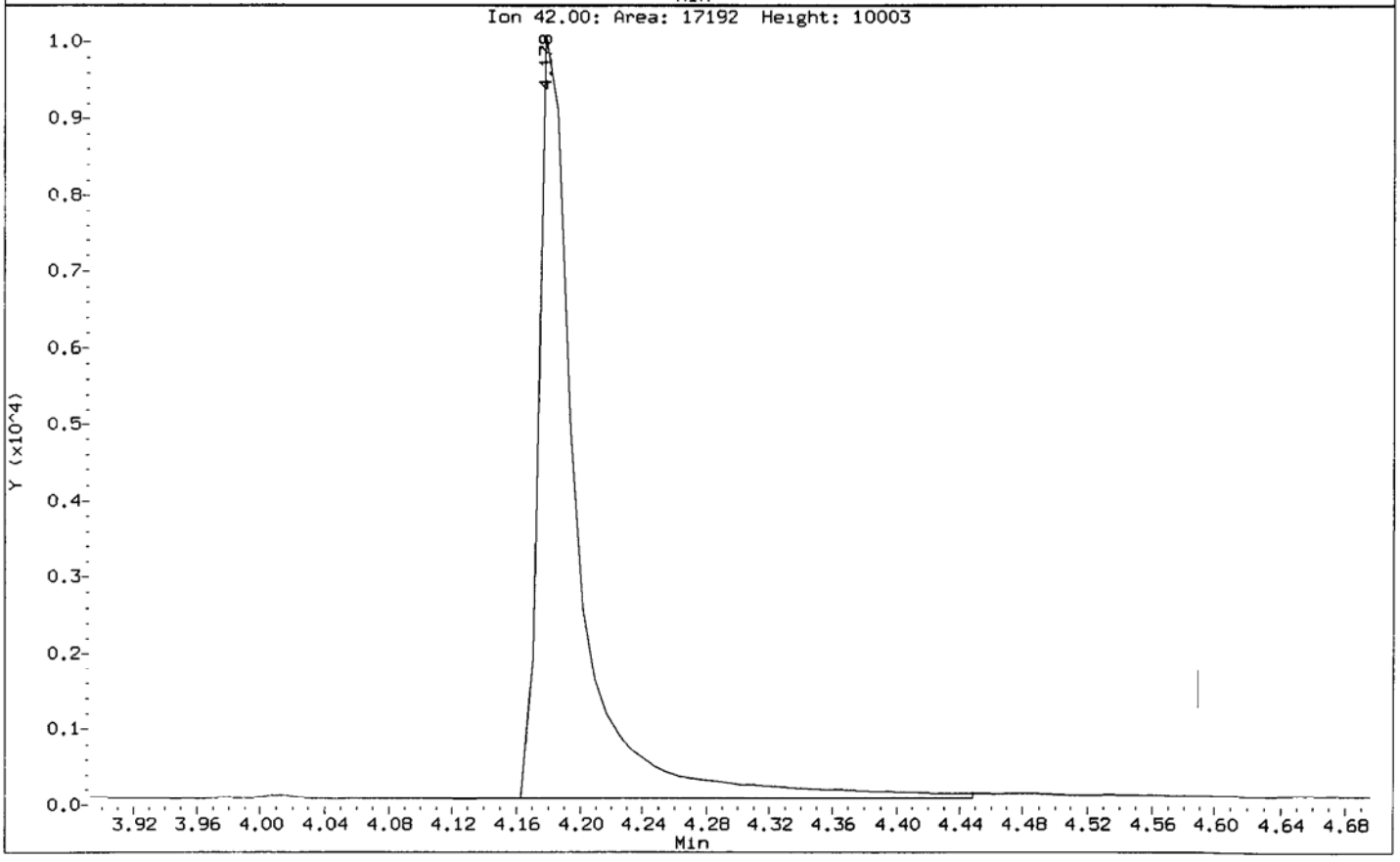
Column phase: ZB-5msi



Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d
Injection Date: 23-AUG-2013 17:53
Instrument: nt10.i
Client Sample ID:

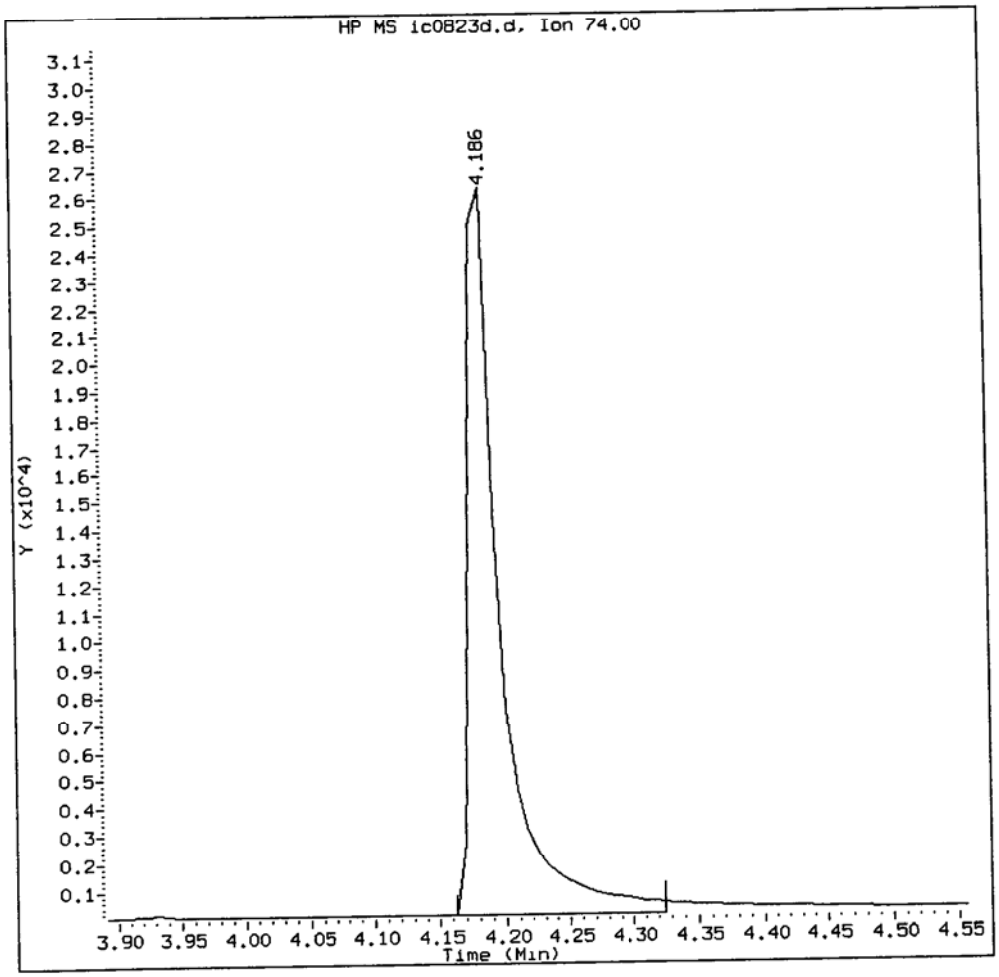
Compound: N-Nitrosodimethylamine
CAS Number:





IC0823D, /chem1/nt10.i/20130823.b/SIM.b/ic0823d.d

N-Nitrosodimethylamine Amount: 2.04 Area: 44708



MANUAL INTEGRATION for N-Nitrosodimethylamine

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/27/13

CO-ELUTION SUMMARY FOR FILE - ic0823d.d

Lab ID: IC0823D, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Lab Smp Id: IC0823F
Inj Date : 23-AUG-2013 19:07
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823F
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 19:07 Cal File: ic0823f.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

YZ 8/27/13

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.340	6.340	(0.733)	2672	0.05000	0.05036
	3	Phenol	94	7.963	7.963	(0.920)	2643	0.05000	0.04368
	7	1,3-Dichlorobenzene	146	8.543	8.535	(0.987)	3119	0.05000	0.05200
*	8	1,4-Dichlorobenzene-d4	152	8.651	8.644	(1.000)	173257	4.00000	
	9	1,4-Dichlorobenzene	146	8.675	8.675	(1.003)	3100	0.05000	0.05286
	11	Benzyl alcohol	79	8.892	8.892	(1.028)	1229	0.05000	0.03944 (M)
	12	1,2-Dichlorobenzene	146	8.962	8.954	(1.036)	2878	0.05000	0.05147
	13	2-Methylphenol	108	9.094	9.086	(1.051)	2007	0.05000	0.04071 (M)
	15	4-Methylphenol	108	9.381	9.373	(1.084)	2218	0.05000	0.04389
	16	N-Nitroso-di-n-propylamine	70	9.389	9.389	(1.085)	1273	0.05000	0.04563 (M)
	22	2,4-Dimethylphenol	107	10.420	10.412	(0.939)	4852	0.10000	0.09050 (M)
	26	1,2,4-Trichlorobenzene	180	10.982	10.983	(0.990)	2790	0.05000	0.05088
*	27	Naphthalene-d8	136	11.098	11.091	(1.000)	629956	4.00000	
	30	Hexachlorobutadiene	225	11.392	11.392	(1.026)	1604	0.05000	0.04981
	39	Dimethylphthalate	163	14.124	14.116	(0.964)	4739	0.05000	0.04835
*	42	Acenaphthene-d10	162	14.657	14.657	(1.000)	332266	4.00000	
	50	Diethylphthalate	149	15.585	15.577	(1.063)	6443	0.05000	0.05422 (M)
	54	N-Nitrosodiphenylamine	169	16.049	16.041	(0.906)	3622	0.05000	0.04769
	57	Hexachlorobenzene	284	16.913	16.913	(0.955)	2790	0.05000	0.05517
	58	Pentachlorophenol	266	17.338	17.331	(0.979)	1484	0.10000	0.05945
*	59	Phenanthrene-d10	188	17.718	17.718	(1.000)	733636	4.00000	
$	66	Terphenyl-d14	244	20.921	20.921	(0.917)	4181	0.05000	0.05138
	67	Butylbenzylphthalate	149	21.842	21.842	(0.958)	3815	0.05000	0.04854
*	69	Chrysene-d12	240	22.810	22.810	(1.000)	784841	4.00000	
*	77	Perylene-d12	264	25.256	25.257	(1.000)	840195	4.00000	
	79	Dibenzo(a,h)anthracene	278	27.589	27.581	(1.092)	10086	0.05000	0.04980 (M)
	90	N-Nitrosodimethylamine	74	4.224	4.209	(0.488)	1999	0.10000	0.08448

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823f.d
Lab Smp Id: IC0823F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53

Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	173257	7.94
27 Naphthalene-d8	576038	288019	1152076	629956	9.36
42 Acenaphthene-d10	314384	157192	628768	332266	5.69
59 Phenanthrene-d10	686356	343178	1372712	733636	6.89
69 Chrysene-d12	741751	370876	1483502	784841	5.81
77 Perylene-d12	800926	400463	1601852	840195	4.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.65	0.09
27 Naphthalene-d8	11.09	10.59	11.59	11.10	0.07
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

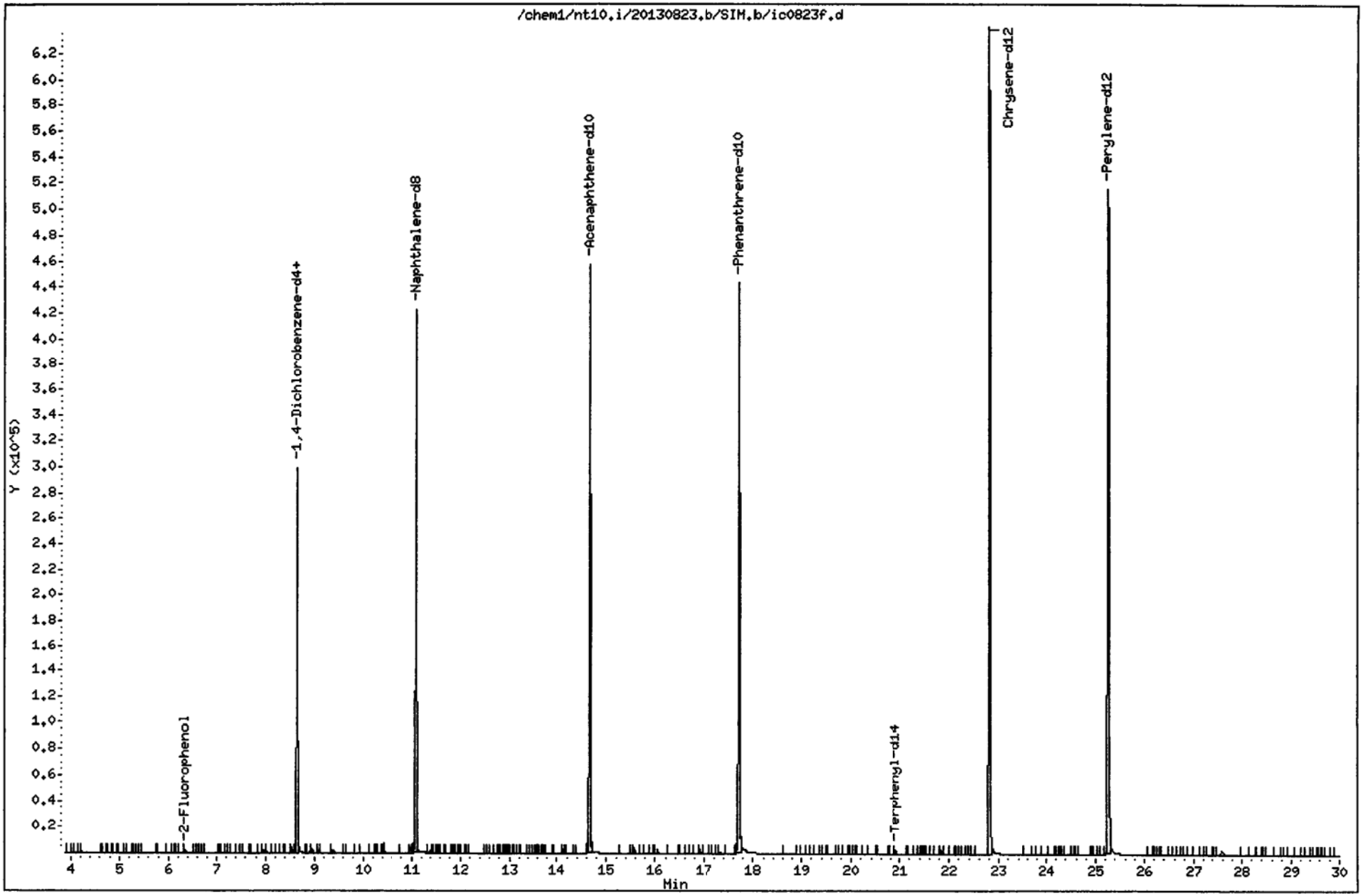
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Date : 23-AUG-2013 19:07
Client ID:
Sample Info: IC0823F

Instrument: nt10.i

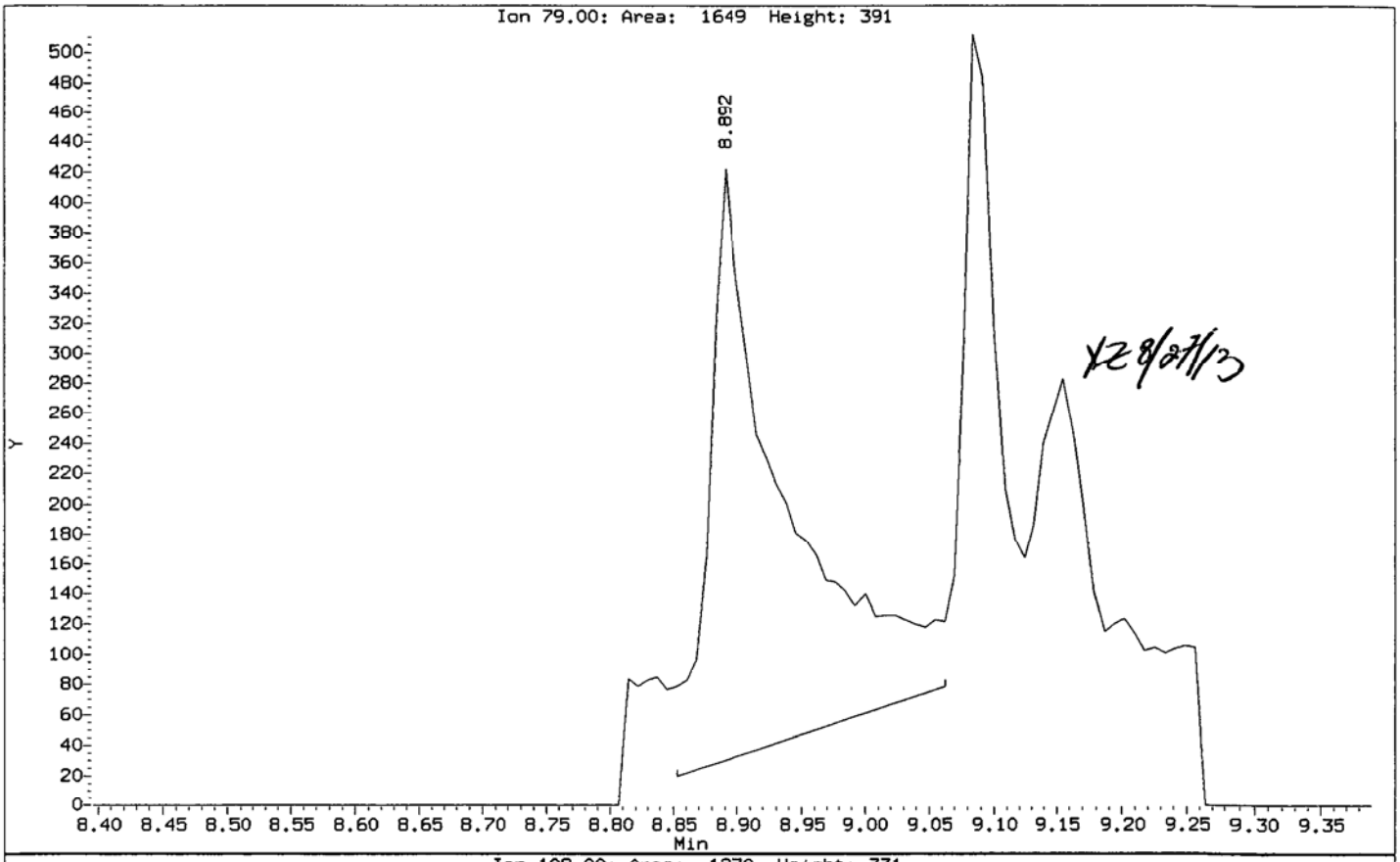
Operator: VTS/YZ
Column diameter: 0.25

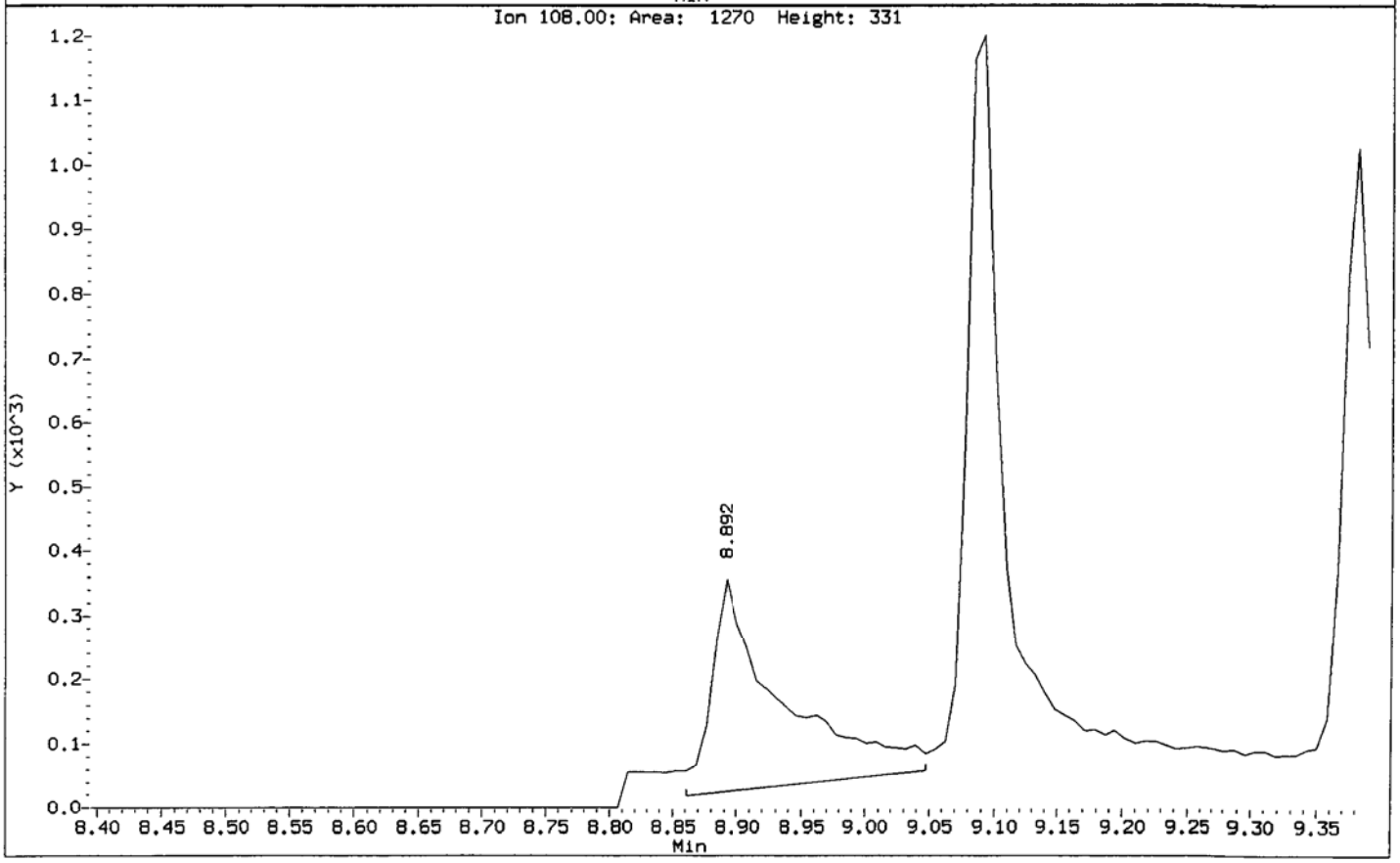
Column phase: ZB-5msi



Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Injection Date: 23-AUG-2013 19:07
Instrument: nt10.i
Client Sample ID:

Compound: Benzyl alcohol
CAS Number: 100-51-6

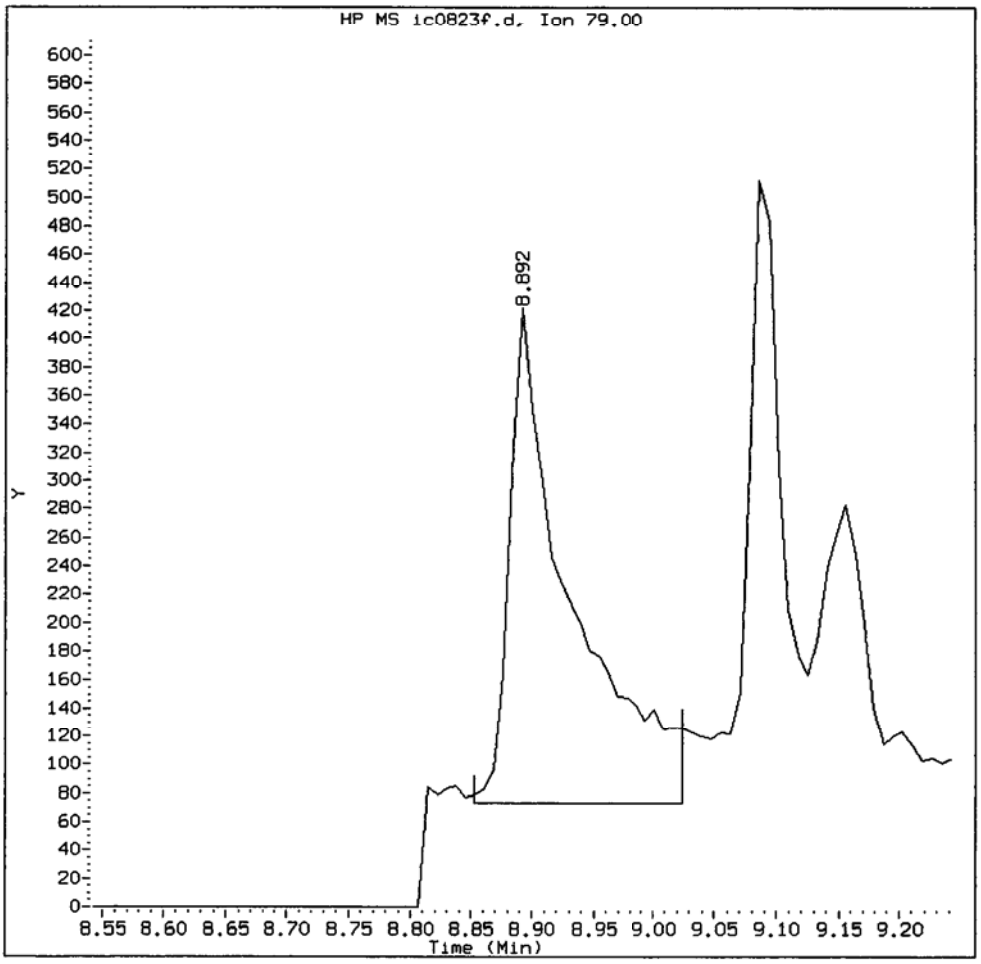




XB89.00743

IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

Benzyl alcohol Amount: 0.04 Area: 1229



MANUAL INTEGRATION for Benzyl alcohol

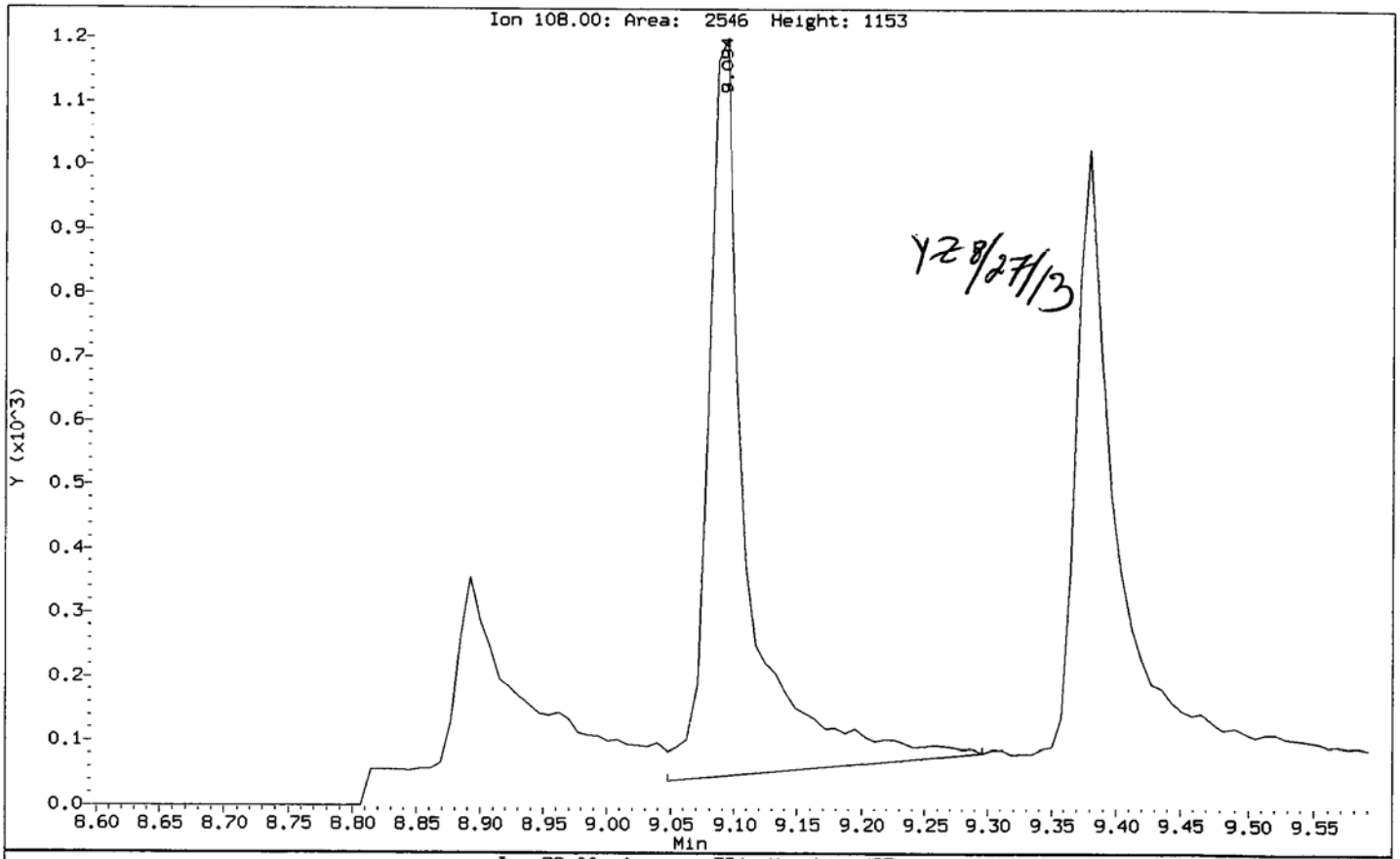
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

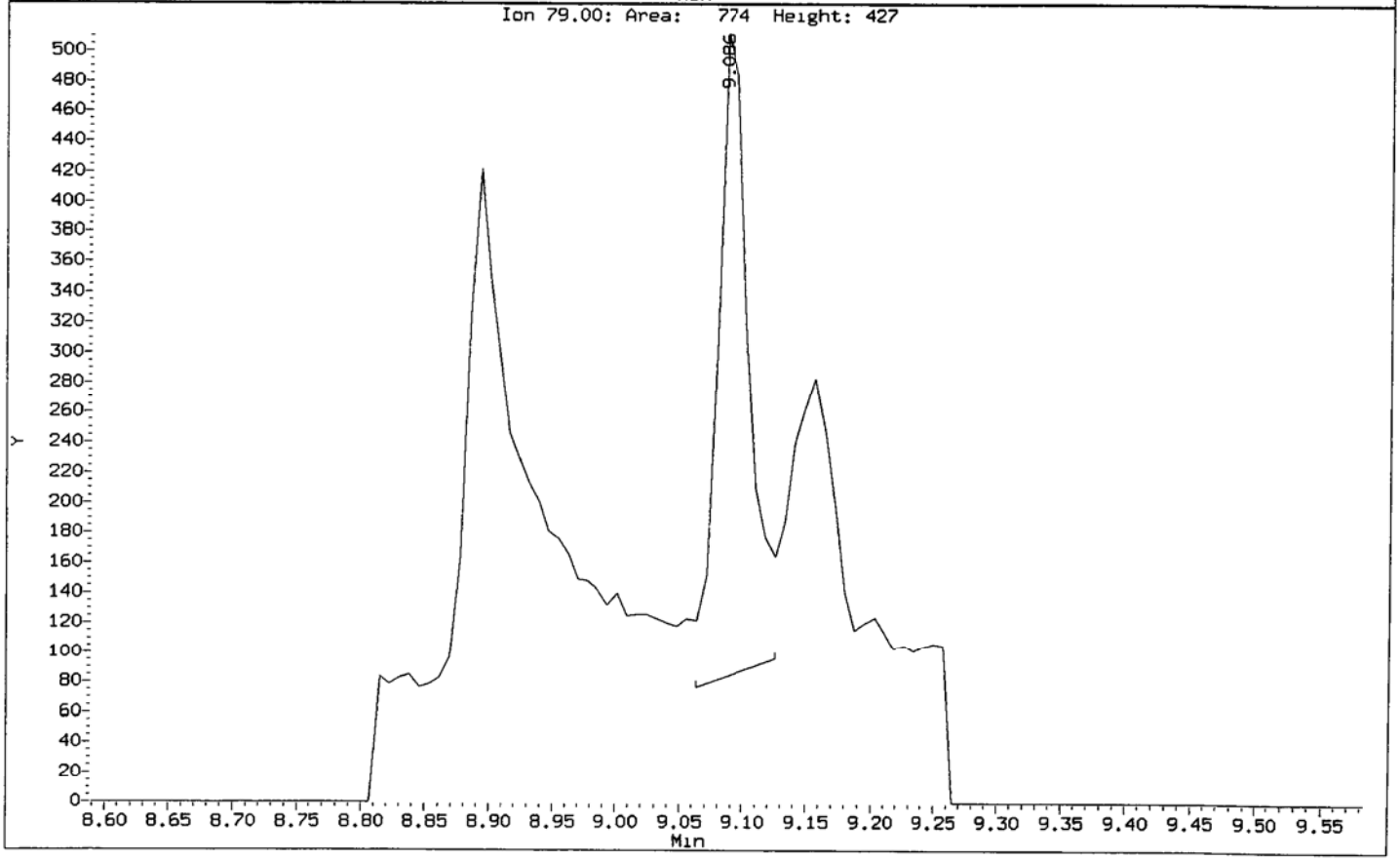
Analyst: YZ Date: 9/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Injection Date: 23-AUG-2013 19:07
Instrument: nt10.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

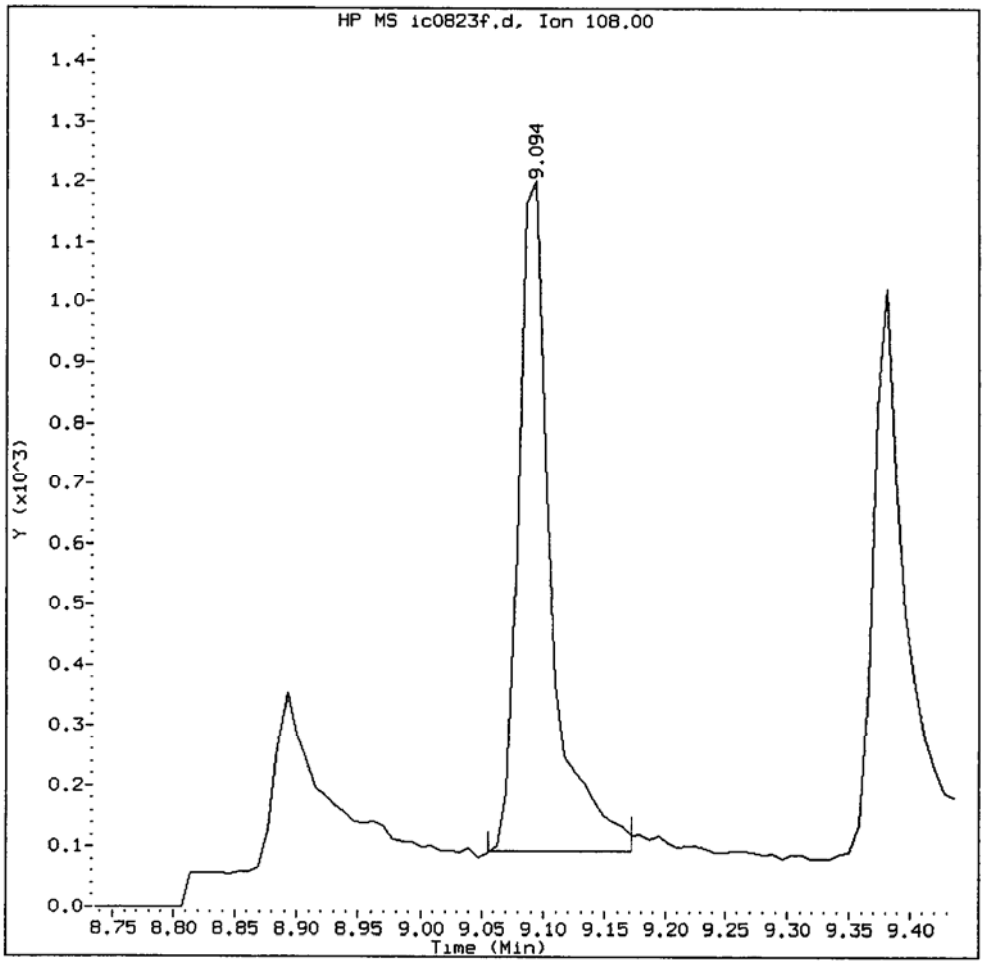


Y 8/27/13



IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

2-Methylphenol Amount: 0.04 Area: 2007



MANUAL INTEGRATION for 2-Methylphenol

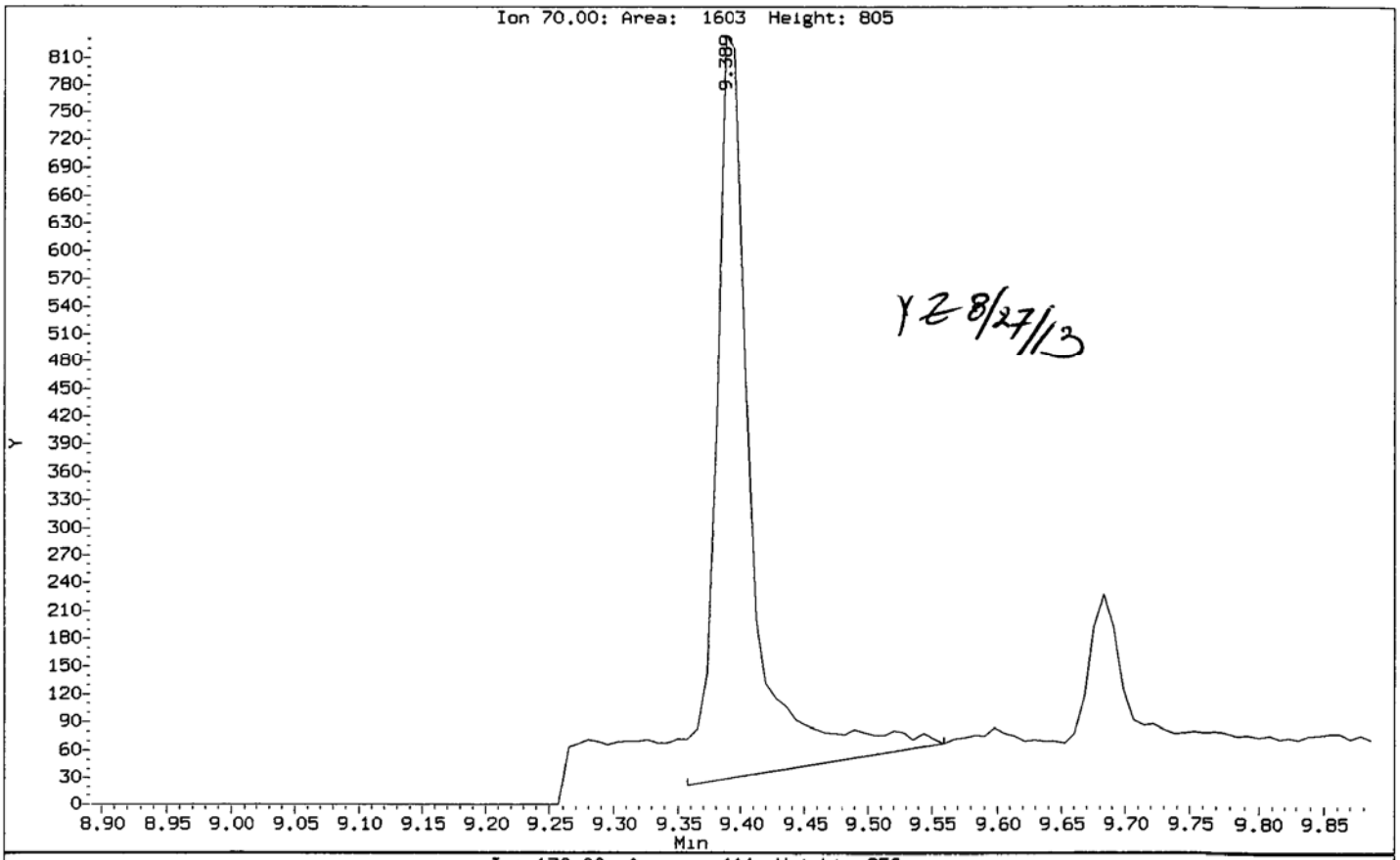
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

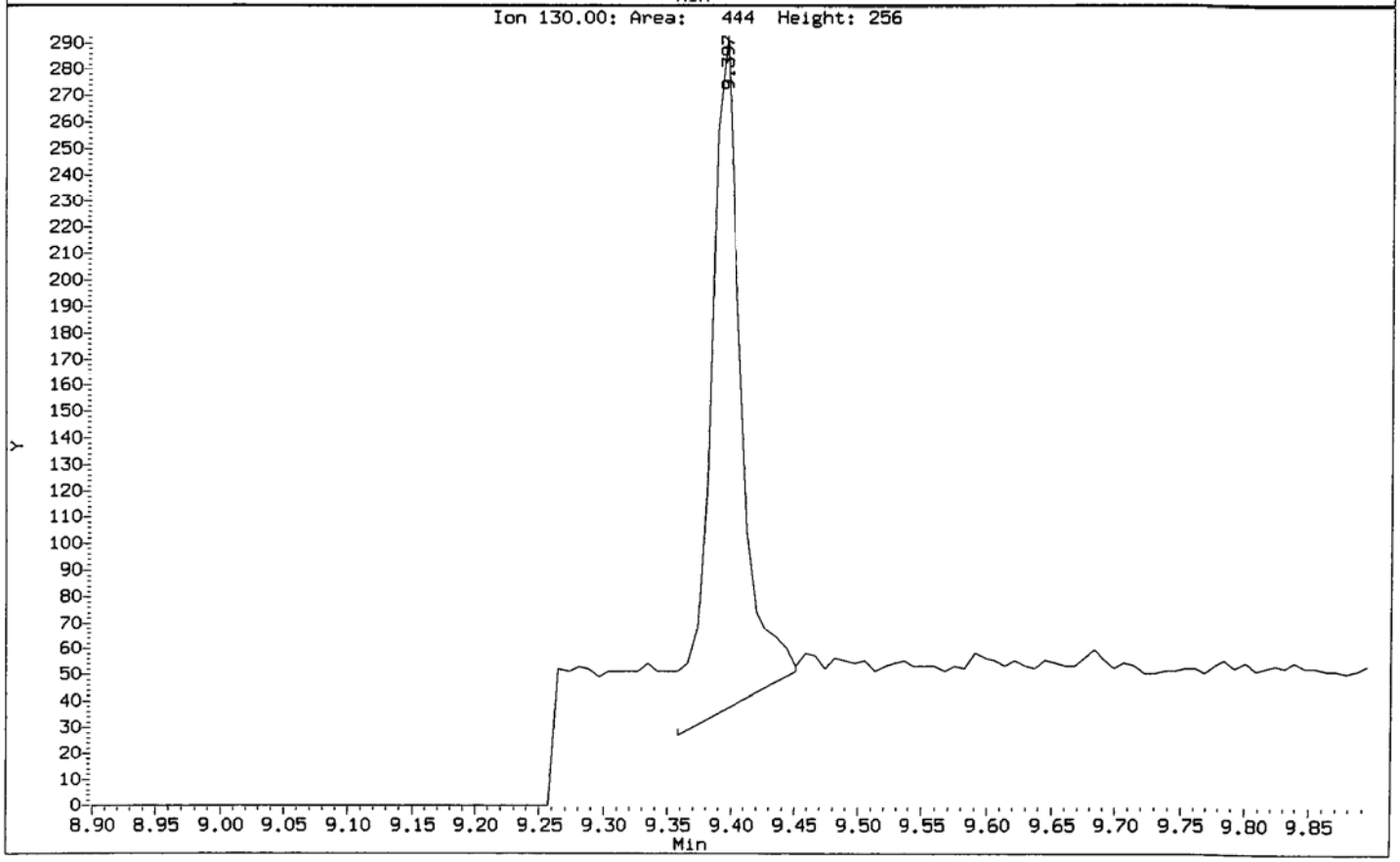
Analyst: YZ Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Injection Date: 23-AUG-2013 19:07
Instrument: nt10.i
Client Sample ID:

Compound: N-Nitroso-di-n-propylamine
CAS Number: 621-64-7



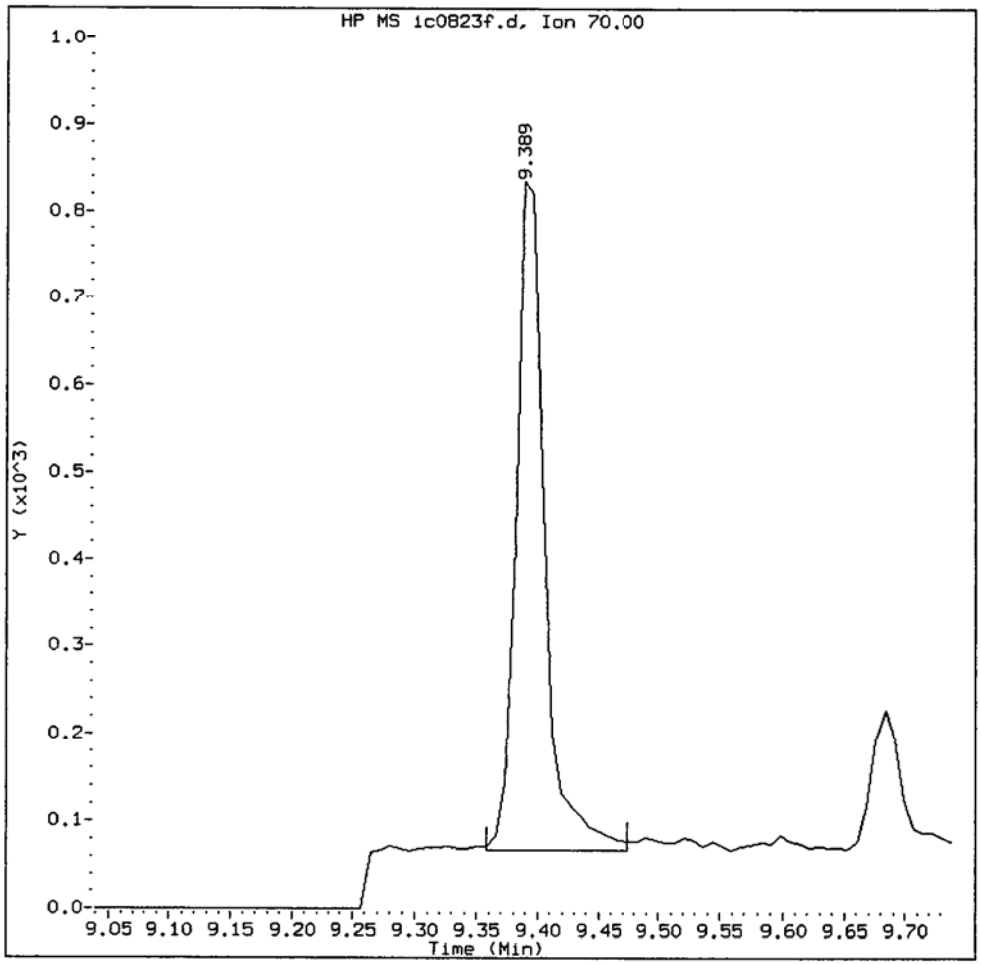
YZ 8/27/13



XB89:00747

IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

N-Nitroso-di-n-propylamine Amount: 0.05 Area: 1273



MANUAL INTEGRATION for N-Nitroso-di-n-propylamine

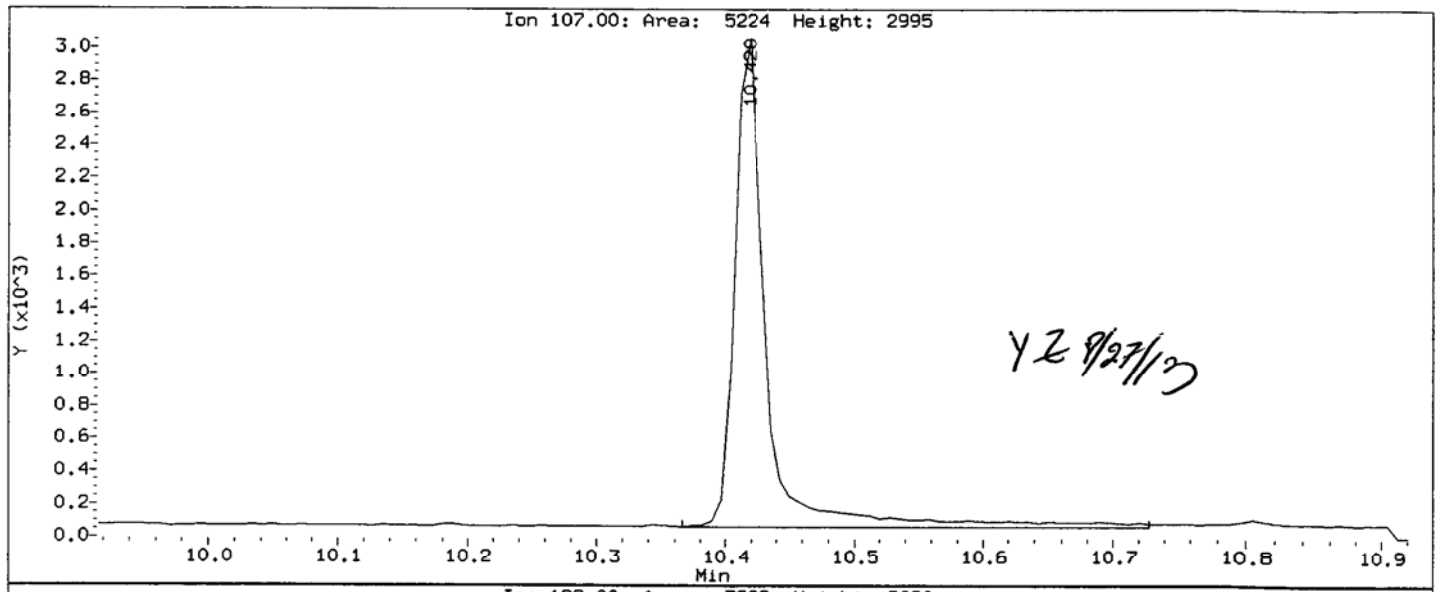
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

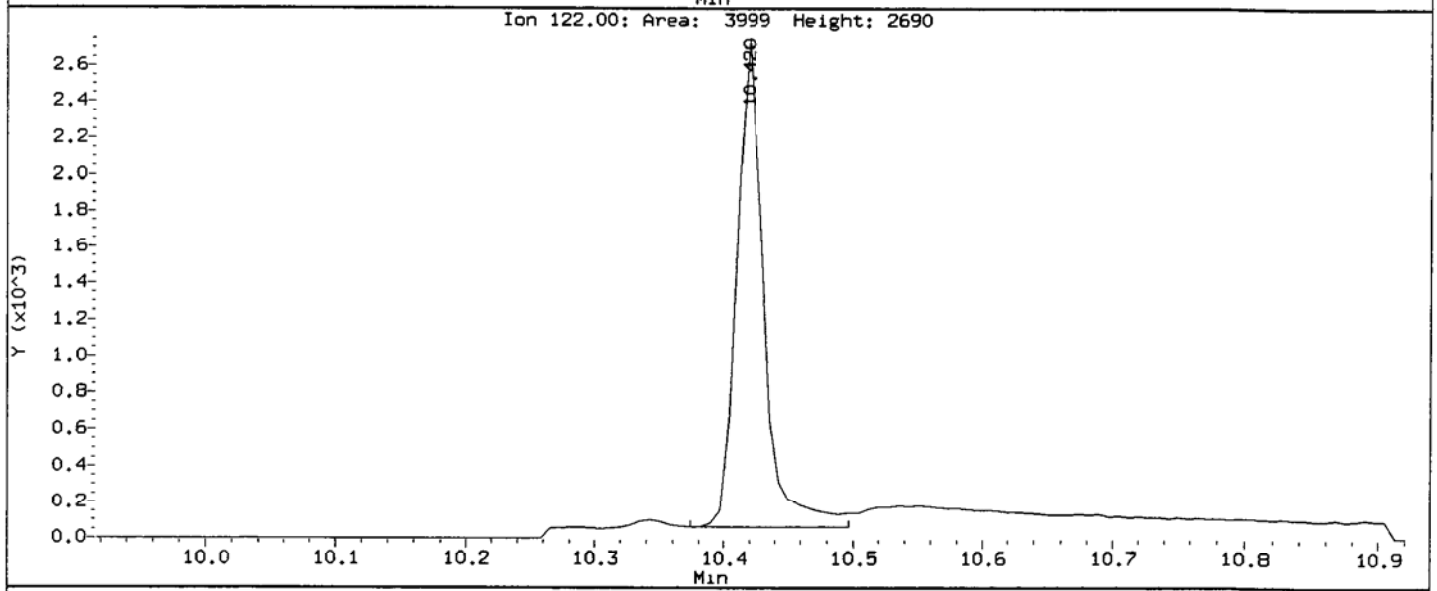
5. Other _____

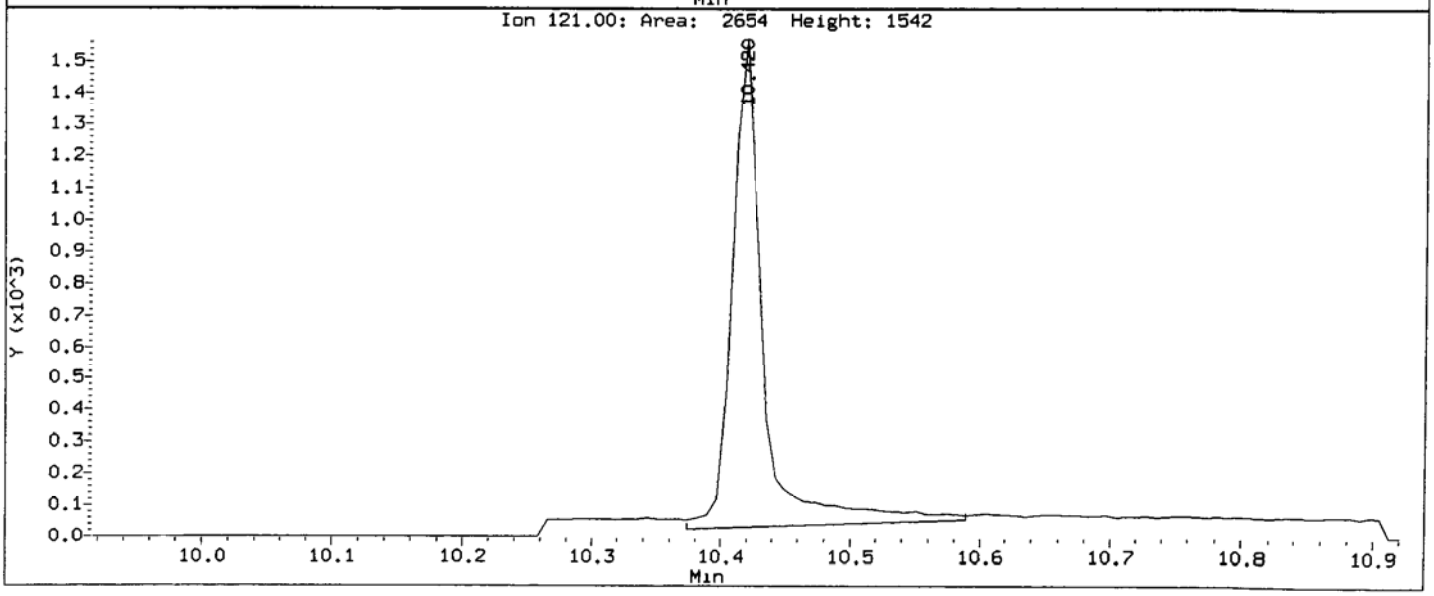
Analyst: YZ Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Injection Date: 23-AUG-2013 19:07
Instrument: nt10.i
Client Sample ID:

Compound: 2,4-Dimethylphenol
CAS Number: 105-67-9



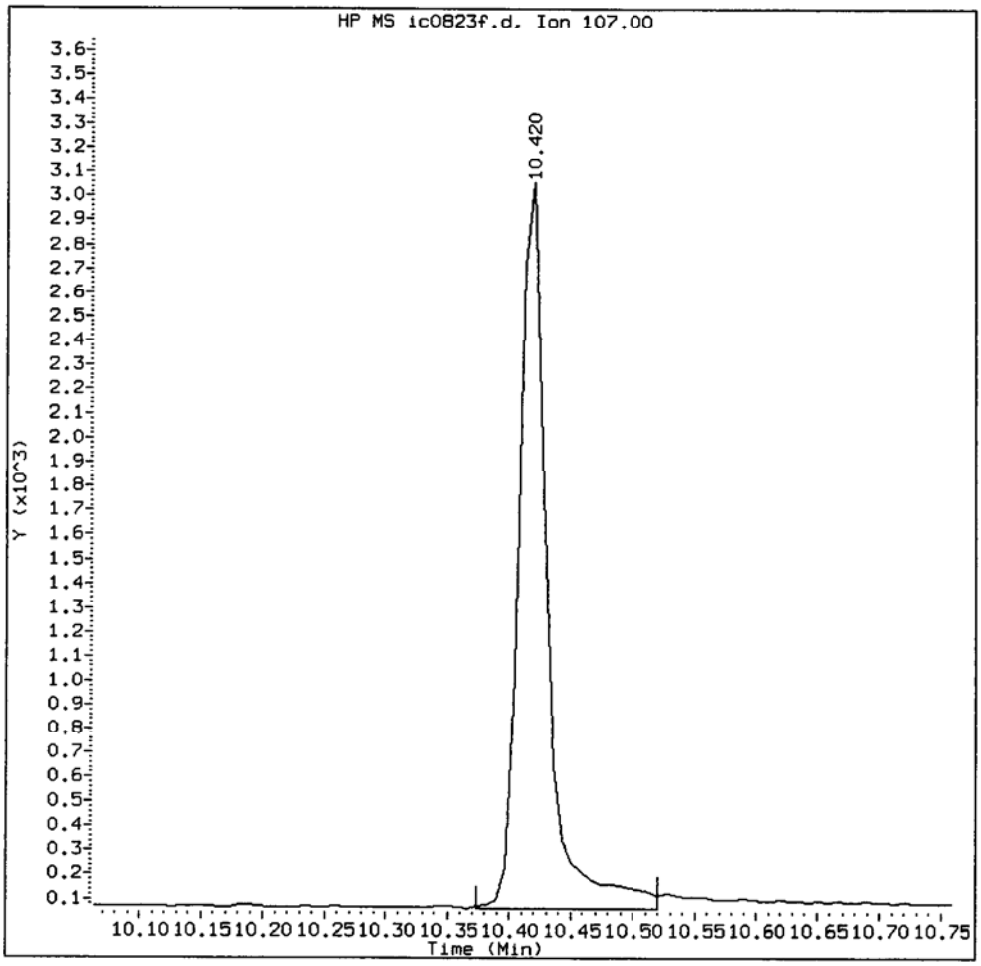




XB83 00749

IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

2,4-Dimethylphenol Amount: 0.09 Area: 4852



MANUAL INTEGRATION for 2,4-Dimethylphenol

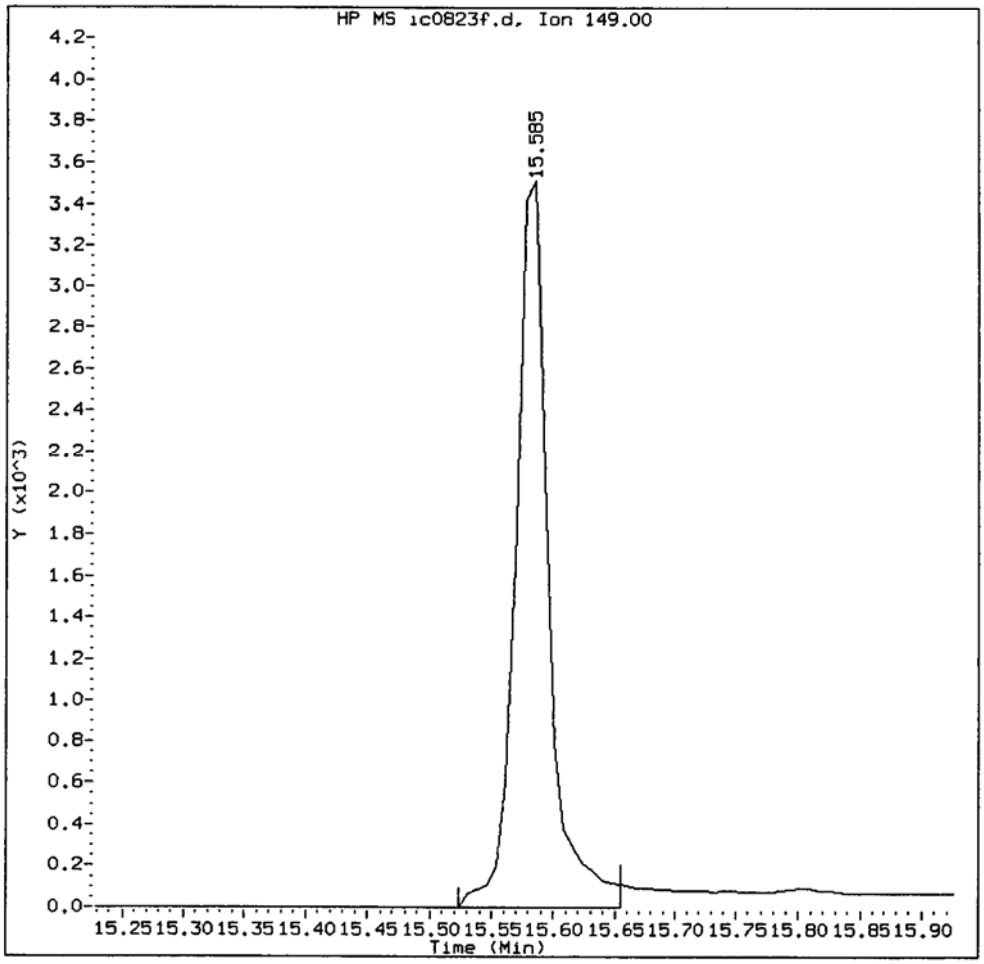
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 9/27/13

IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

Diethylphthalate Amount: 0.05 Area: 6443



MANUAL INTEGRATION for Diethylphthalate

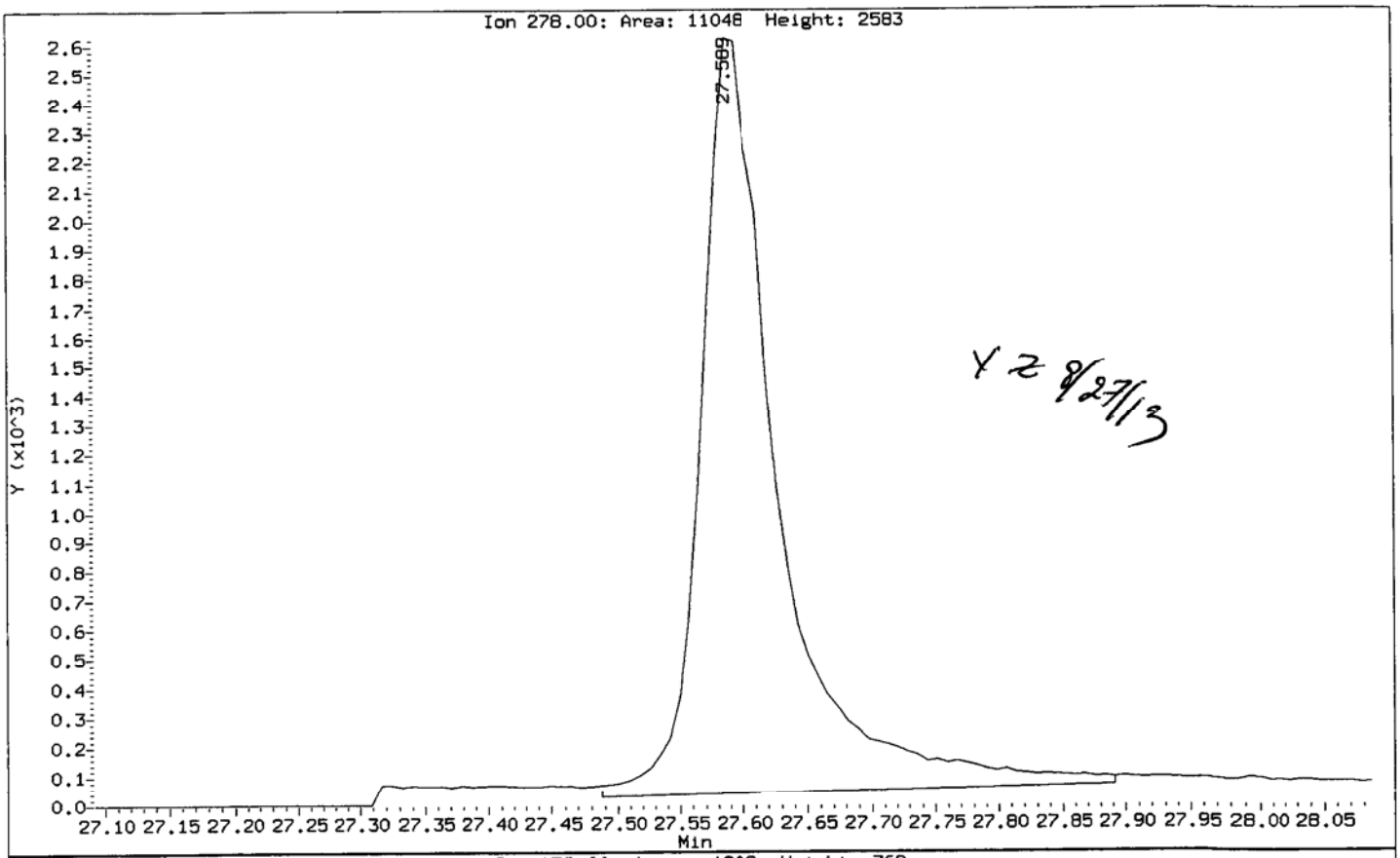
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

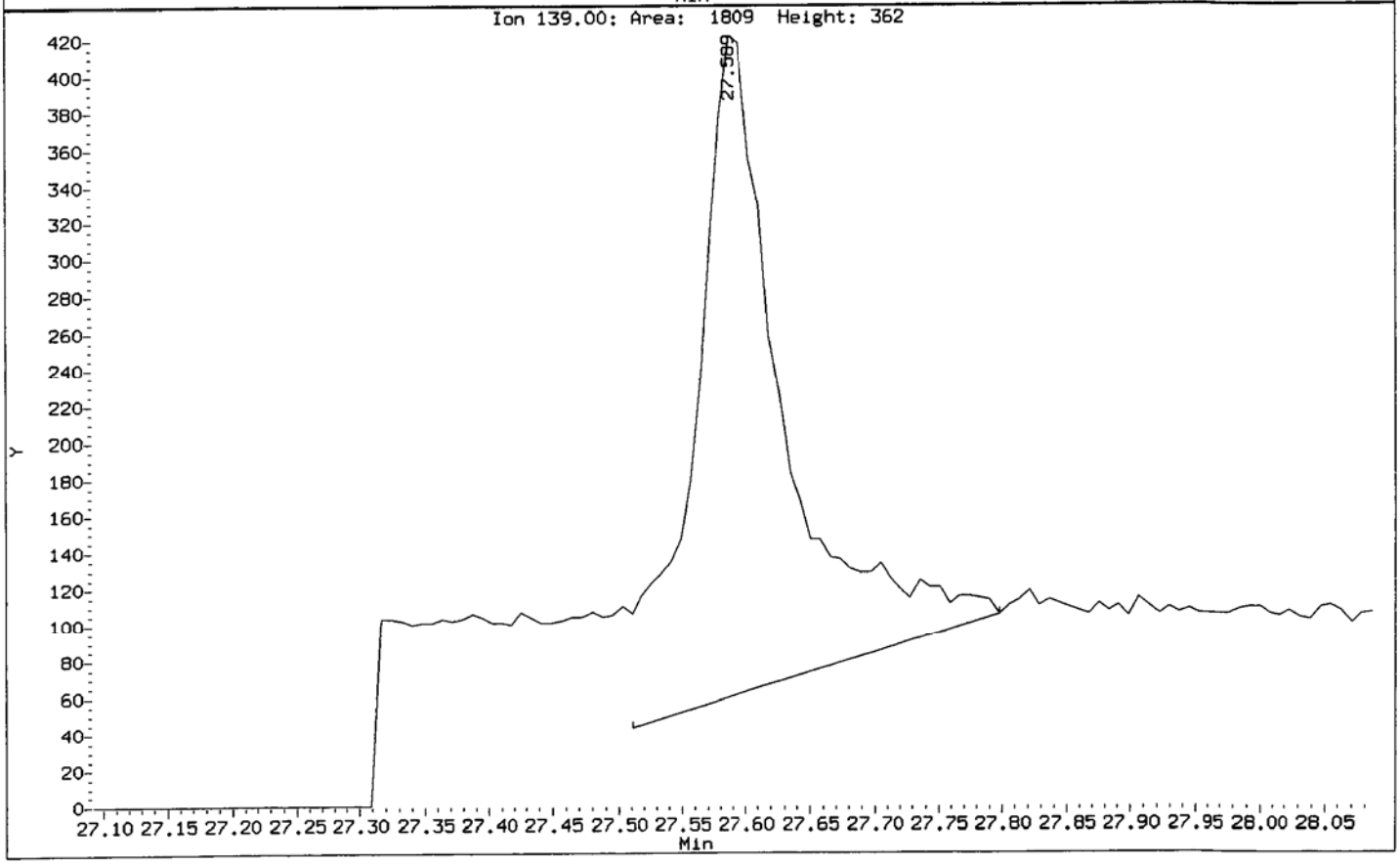
Analyst: YZ Date: 8/07/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d
Injection Date: 23-AUG-2013 19:07
Instrument: nt10.i
Client Sample ID:

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3



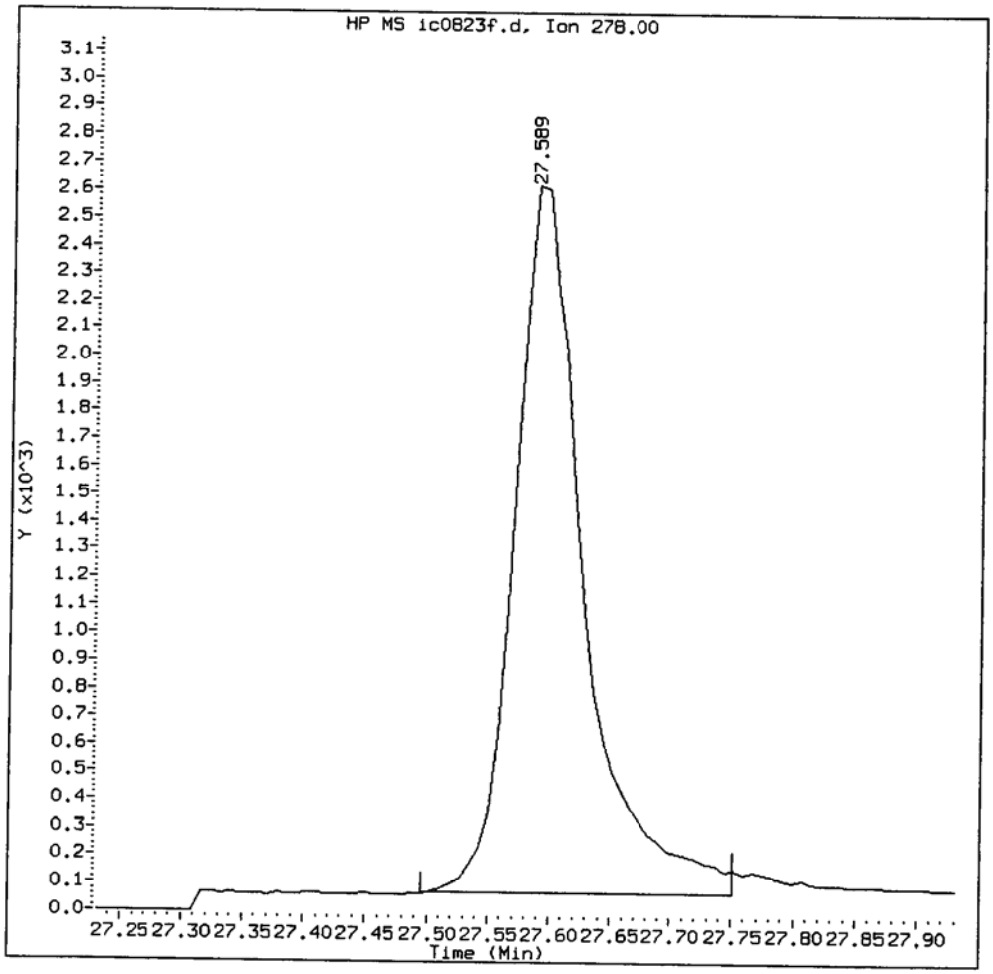
Y 2 8/27/13



XB89 : 00752

IC0823F, /chem1/nt10.i/20130823.b/SIM.b/ic0823f.d

Dibenzo(a,h)anthracene Amount: 0.05 Area: 10086



MANUAL INTEGRATION for Dibenzo(a,h)anthracene

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/27/13

CO-ELUTION SUMMARY FOR FILE - ic0823f.d

Lab ID: IC0823F, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 8/27/13

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823g.d
Lab Smp Id: IC0823G
Inj Date : 23-AUG-2013 19:43
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823G
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 19:43 Cal File: ic0823g.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.340	6.340	(0.734)	22042	0.50000	0.4880
	3 Phenol	94	7.963	7.963	(0.921)	25774	0.50000	0.5003
	7 1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	25206	0.50000	0.4936
*	8 1,4-Dichlorobenzene-d4	152	8.643	8.644	(1.000)	147509	4.00000	
	9 1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	24442	0.50000	0.4896
	11 Benzyl alcohol	79	8.884	8.892	(1.028)	13218	0.50000	0.4982
	12 1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	23227	0.50000	0.4879
	13 2-Methylphenol	108	9.086	9.086	(1.051)	21417	0.50000	0.5103
	15 4-Methylphenol	108	9.373	9.373	(1.084)	21495	0.50000	0.4996
	16 N-Nitroso-di-n-propylamine	70	9.389	9.389	(1.086)	11926	0.50000	0.5021
	22 2,4-Dimethylphenol	107	10.420	10.412	(0.940)	45400	1.00000	1.013
	26 1,2,4-Trichlorobenzene	180	10.982	10.983	(0.990)	22820	0.50000	0.4980
*	27 Naphthalene-d8	136	11.090	11.091	(1.000)	526426	4.00000	
	30 Hexachlorobutadiene	225	11.392	11.392	(1.027)	13519	0.50000	0.5024
	39 Dimethylphthalate	163	14.124	14.116	(0.964)	42293	0.50000	0.4893
*	42 Acenaphthene-d10	162	14.657	14.657	(1.000)	292983	4.00000	
	50 Diethylphthalate	149	15.577	15.577	(1.063)	50473	0.50000	0.4817
	54 N-Nitrosodiphenylamine	169	16.041	16.041	(0.905)	33317	0.50000	0.5023
	57 Hexachlorobenzene	284	16.912	16.913	(0.955)	21415	0.50000	0.4849
	58 Pentachlorophenol	266	17.323	17.331	(0.978)	22223	1.00000	1.020
*	59 Phenanthrene-d10	188	17.717	17.718	(1.000)	640647	4.00000	
$	66 Terphenyl-d14	244	20.921	20.921	(0.917)	35031	0.50000	0.4830
	67 Butylbenzylphthalate	149	21.842	21.842	(0.958)	33909	0.50000	0.4841
*	69 Chrysene-d12	240	22.810	22.810	(1.000)	699476	4.00000	
*	77 Perylene-d12	264	25.256	25.257	(1.000)	750028	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.581	27.581	(1.092)	90268	0.50000	0.4992
	90 N-Nitrosodimethylamine	74	4.178	4.209	(0.483)	19651	1.00000	0.9754 (M)

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823g.d
Lab Smp Id: IC0823G
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	147509	-8.10
27 Naphthalene-d8	576038	288019	1152076	526426	-8.61
42 Acenaphthene-d10	314384	157192	628768	292983	-6.81
59 Phenanthrene-d10	686356	343178	1372712	640647	-6.66
69 Chrysene-d12	741751	370876	1483502	699476	-5.70
77 Perylene-d12	800926	400463	1601852	750028	-6.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.09	0.00
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

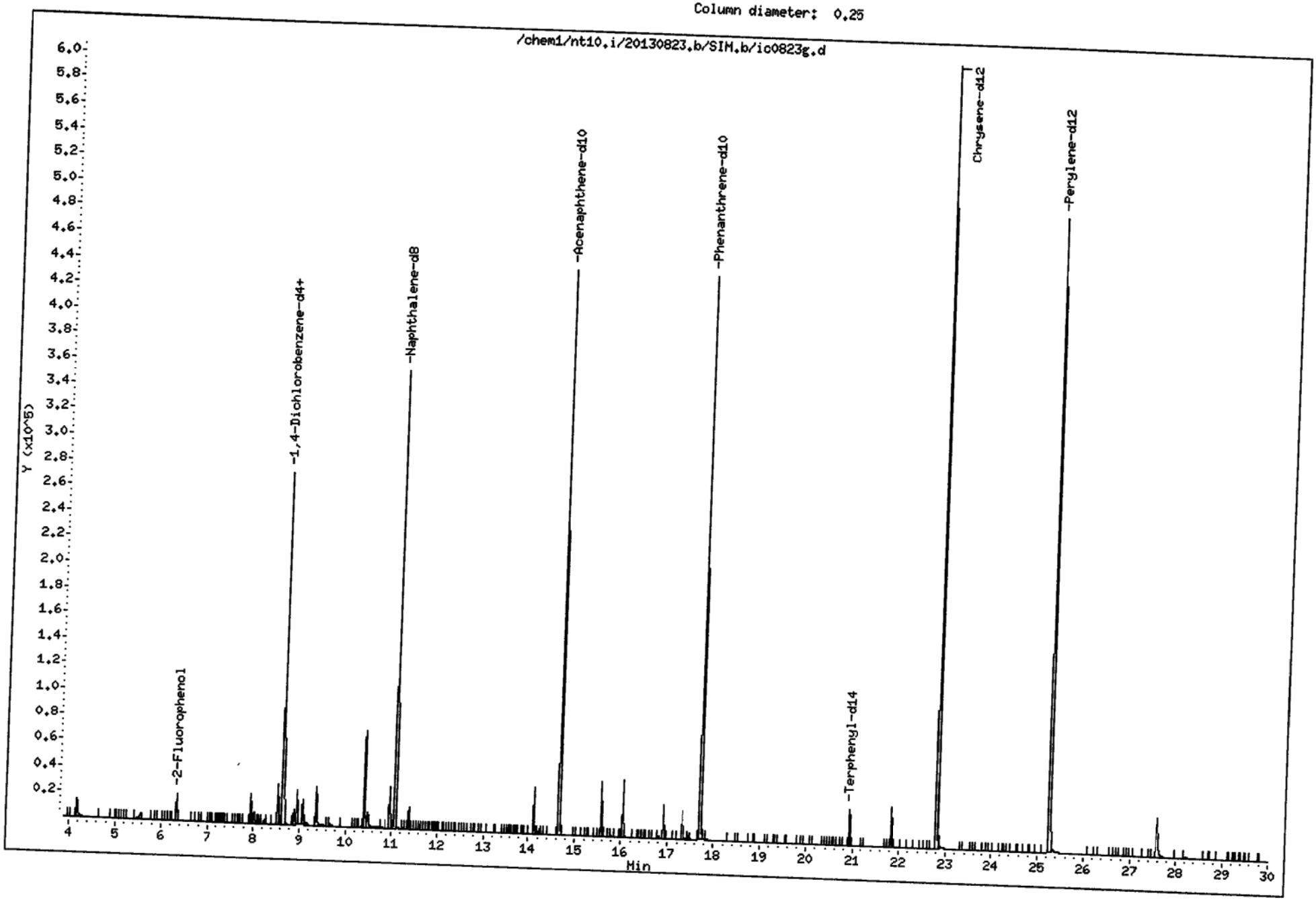
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823g.d
Date : 23-AUG-2013 19:43
Client ID:
Sample Info: IC0823G

Instrument: nt10.i

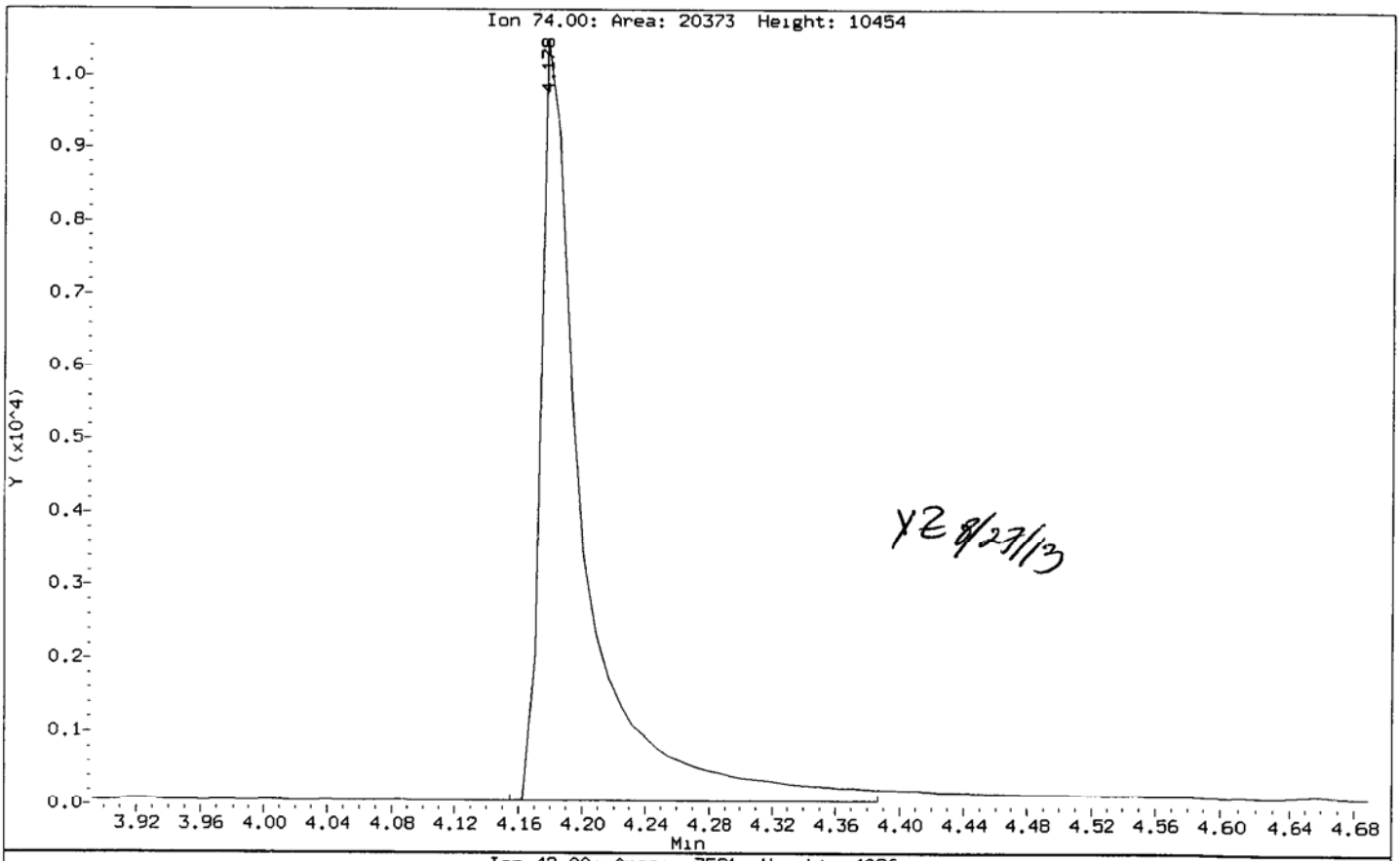
Column phase: ZB-5msi

Operator: VTS/YZ
Column diameter: 0.25

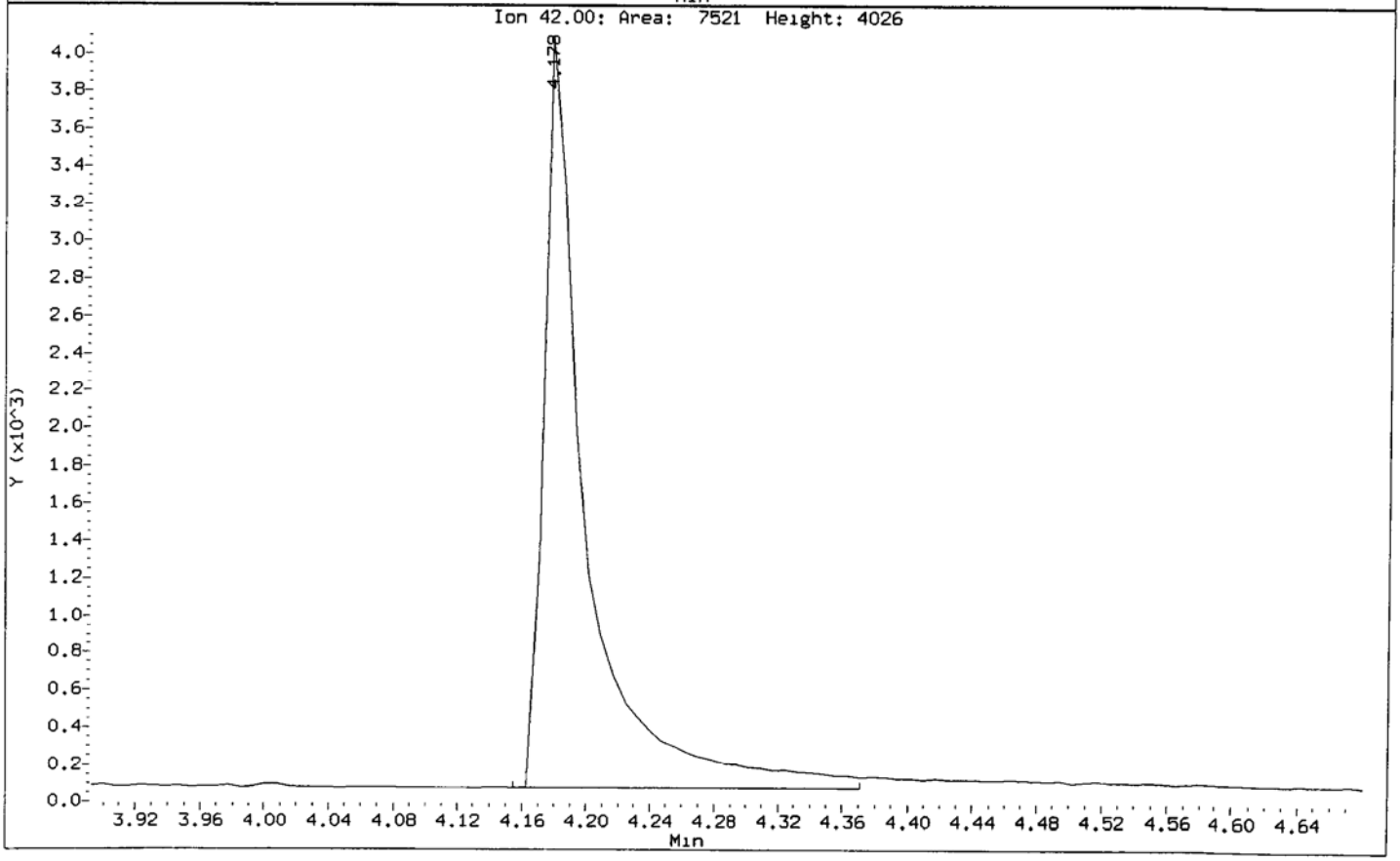


Data File: /chem1/nt10.1/20130823.b/SIM.b/ic0823g.d
Injection Date: 23-AUG-2013 19:43
Instrument: nt10.1
Client Sample ID:

Compound: N-Nitrosodimethylamine
CAS Number:

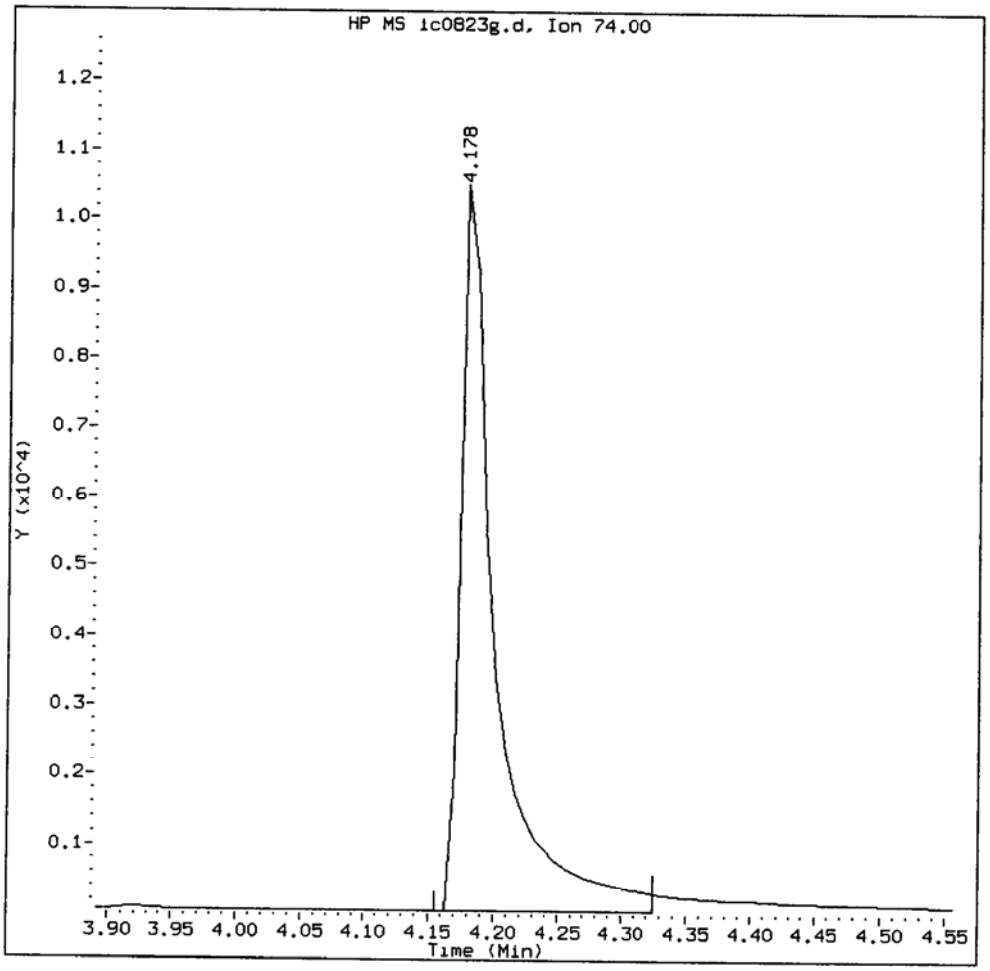


YZ 8/27/13



IC0823G, /chem1/nt10.i/20130823.b/SIM.b/ic0823g.d

N-Nitrosodimethylamine Amount: 0.98 Area: 19651



MANUAL INTEGRATION for N-Nitrosodimethylamine

1. Baseline correction
2. Poor chromatography
3. Peak not found ✓
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/27/13

CO-ELUTION SUMMARY FOR FILE - ic0823g.d

Lab ID: IC0823G, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d
Lab Smp Id: IC0823H
Inj Date : 23-AUG-2013 20:20
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823H
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:20 Cal File: ic0823h.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

YZ 8/29/13

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.340	6.340	(0.734)	106669	2.50000	2.503
	3	Phenol	94	7.963	7.963	(0.921)	128362	2.50000	2.641
	7	1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	117012	2.50000	2.428
*	8	1,4-Dichlorobenzene-d4	152	8.644	8.644	(1.000)	139174	4.00000	
	9	1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	113734	2.50000	2.414
	11	Benzyl alcohol	79	8.892	8.892	(1.029)	72500	2.50000	2.896
	12	1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	109167	2.50000	2.430
	13	2-Methylphenol	108	9.086	9.086	(1.051)	104766	2.50000	2.646
	15	4-Methylphenol	108	9.381	9.373	(1.085)	106928	2.50000	2.634
	16	N-Nitroso-di-n-propylamine	70	9.397	9.389	(1.087)	57371	2.50000	2.560
	22	2,4-Dimethylphenol	107	10.420	10.412	(0.939)	219143	5.00000	5.080
	26	1,2,4-Trichlorobenzene	180	10.982	10.983	(0.990)	105822	2.50000	2.398
*	27	Naphthalene-d8	136	11.098	11.091	(1.000)	506861	4.00000	
	30	Hexachlorobutadiene	225	11.392	11.392	(1.026)	63470	2.50000	2.450
	39	Dimethylphthalate	163	14.124	14.116	(0.964)	203226	2.50000	2.410
*	42	Acenaphthene-d10	162	14.657	14.657	(1.000)	285913	4.00000	
	50	Diethylphthalate	149	15.585	15.577	(1.063)	236767	2.50000	2.315
	54	N-Nitrosodiphenylamine	169	16.049	16.041	(0.906)	160211	2.50000	2.437
	57	Hexachlorobenzene	284	16.913	16.913	(0.955)	98655	2.50000	2.254
	58	Pentachlorophenol	266	17.323	17.331	(0.978)	132275	5.00000	6.122
*	59	Phenanthrene-d10	188	17.718	17.718	(1.000)	635002	4.00000	
$	66	Terphenyl-d14	244	20.921	20.921	(0.917)	169307	2.50000	2.415
	67	Butylbenzylphthalate	149	21.842	21.842	(0.958)	166374	2.50000	2.458
*	69	Chrysene-d12	240	22.810	22.810	(1.000)	676009	4.00000	
*	77	Perylene-d12	264	25.256	25.257	(1.000)	746295	4.00000	
	79	Dibenzo(a,h)anthracene	278	27.581	27.581	(1.092)	429298	2.50000	2.386
	90	N-Nitrosodimethylamine	74	4.178	4.209	(0.483)	106052	5.00000	5.579 (M)

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823h.d
Lab Smp Id: IC0823H
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	139174	-13.30
27 Naphthalene-d8	576038	288019	1152076	506861	-12.01
42 Acenaphthene-d10	314384	157192	628768	285913	-9.06
59 Phenanthrene-d10	686356	343178	1372712	635002	-7.48
69 Chrysene-d12	741751	370876	1483502	676009	-8.86
77 Perylene-d12	800926	400463	1601852	746295	-6.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.10	0.07
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

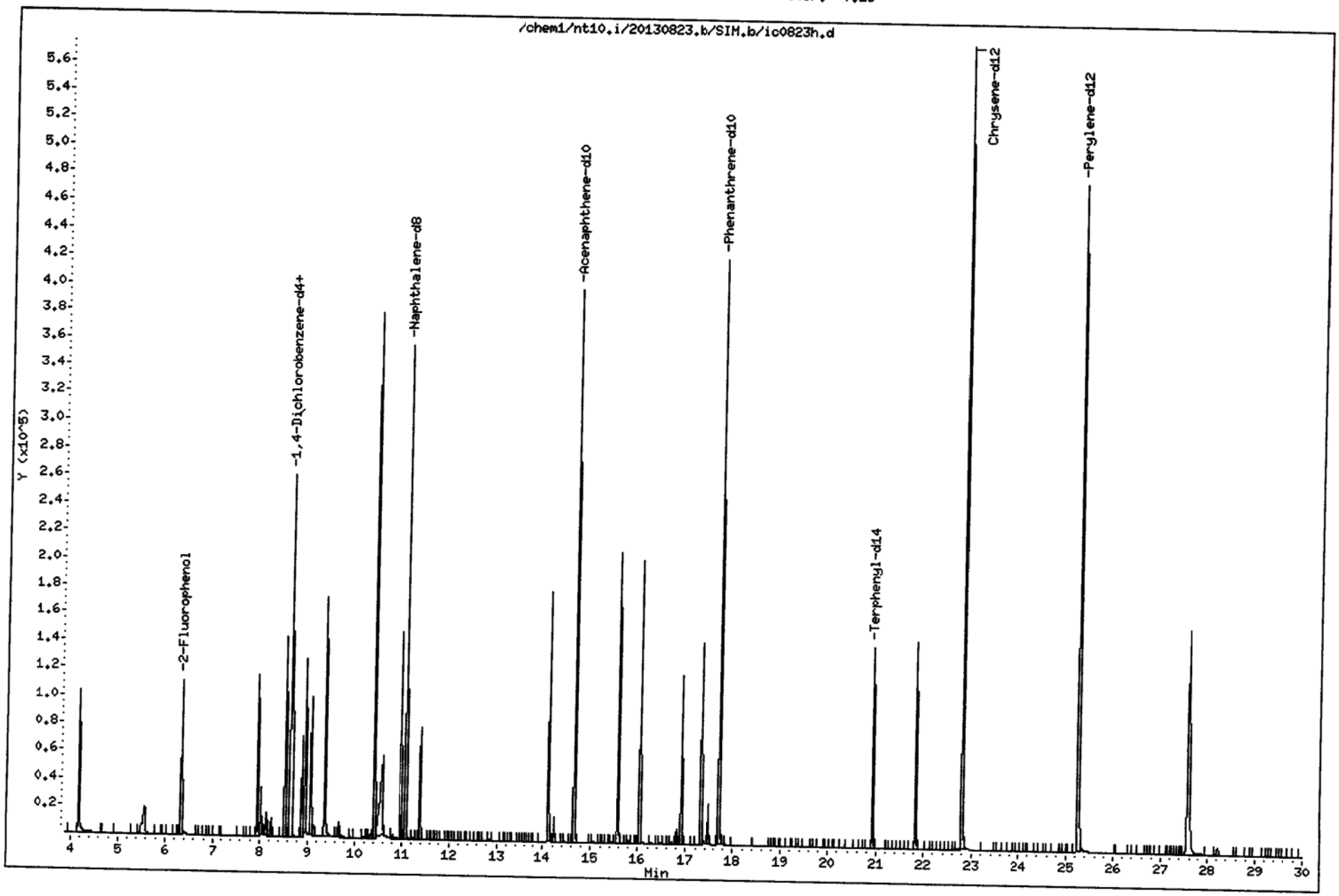
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d
Date : 23-AUG-2013 20:20
Client ID:
Sample Info: IC0823H

Column phase: ZB-5msi

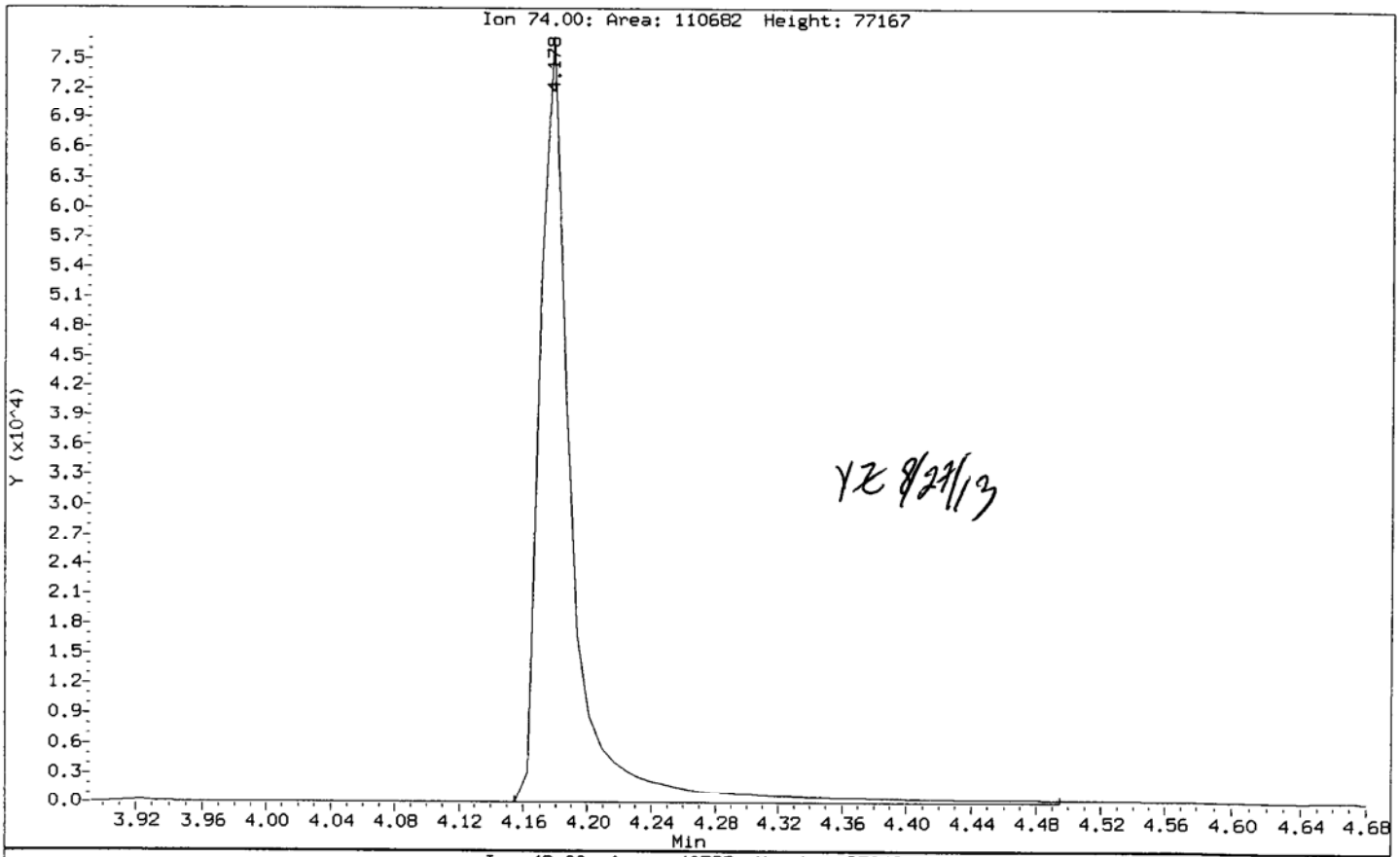
Instrument: nt10.i

Operator: VTS/YZ
Column diameter: 0.25

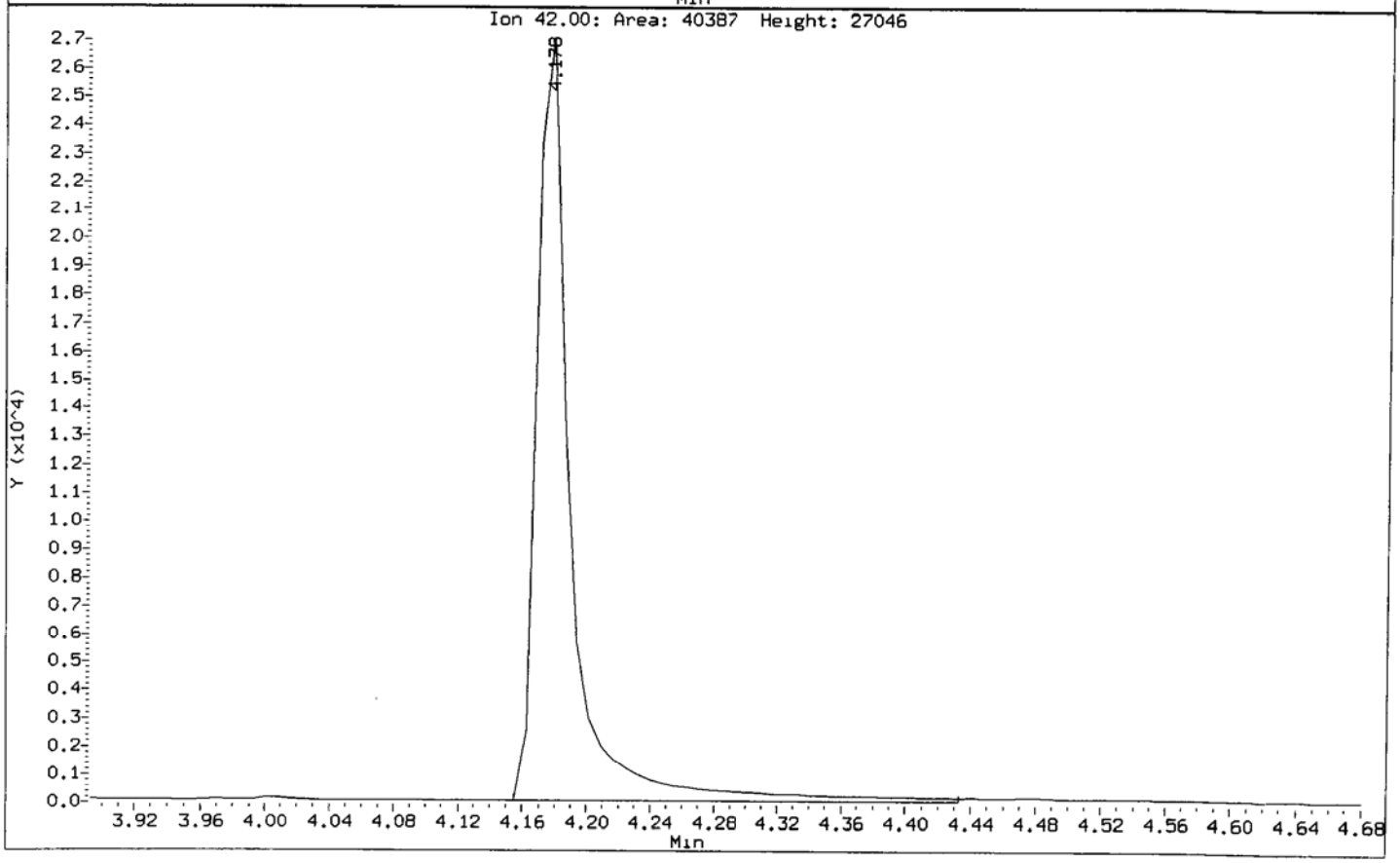


Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d
Injection Date: 23-AUG-2013 20:20
Instrument: nt10.i
Client Sample ID:

Compound: N-Nitrosodimethylamine
CAS Number:



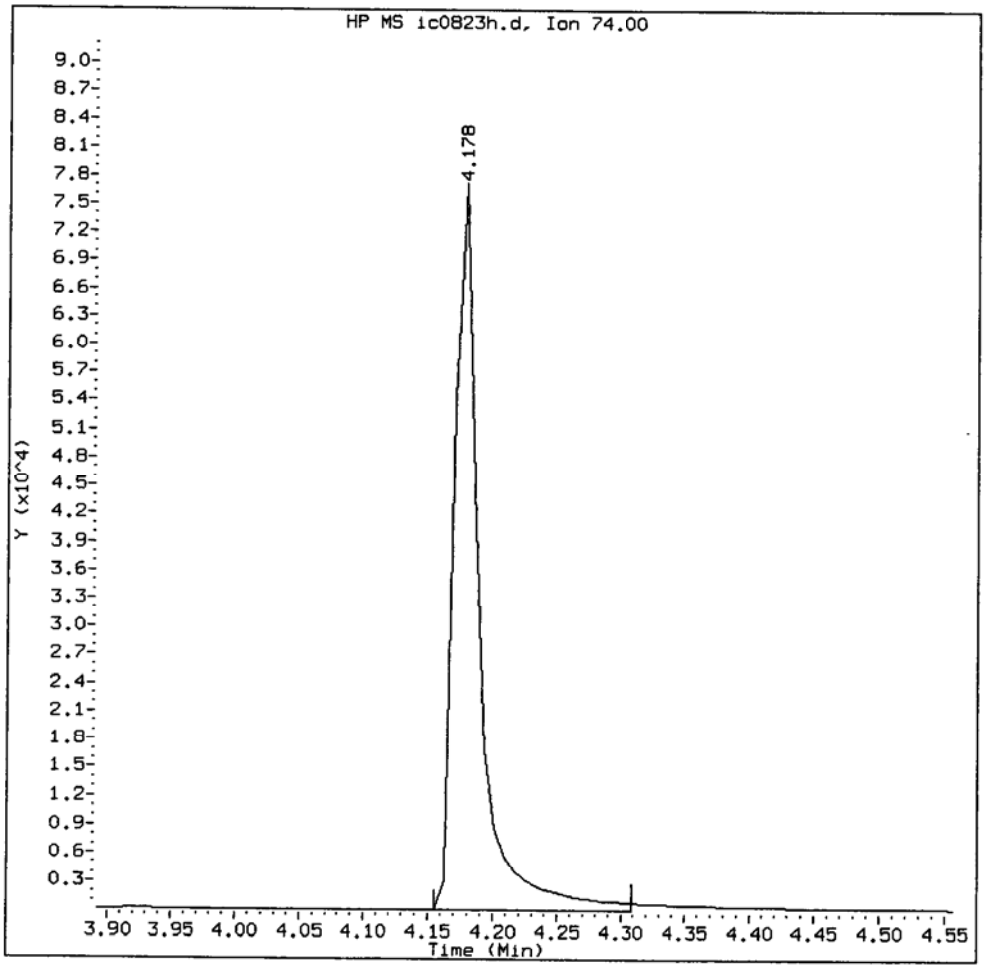
YZ 8/27/13



XB89:00766

IC0823H, /chem1/nt10.i/20130823.b/SIM.b/ic0823h.d

N-Nitrosodimethylamine Amount: 5.58 Area: 106052



MANUAL INTEGRATION for N-Nitrosodimethylamine

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: KB Date: 9/27/13

CO-ELUTION SUMMARY FOR FILE - ic0823h.d

Lab ID: IC0823H, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Lab Smp Id: IC0823I
Inj Date : 23-AUG-2013 20:56
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : IC0823I
Misc Info :
Comment :
Method : /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Meth Date : 26-Aug-2013 10:32 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

YZ 8/27/13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.340	6.340	(0.734)	4933	0.10000	0.1039
	3 Phenol	94	7.963	7.963	(0.921)	5470	0.10000	0.1010
	7 1,3-Dichlorobenzene	146	8.535	8.535	(0.987)	5852	0.10000	0.1090
*	8 1,4-Dichlorobenzene-d4	152	8.644	8.644	(1.000)	155075	4.00000	
	9 1,4-Dichlorobenzene	146	8.675	8.675	(1.004)	5820	0.10000	0.1109
	11 Benzyl alcohol	79	8.892	8.892	(1.029)	2333	0.10000	0.08364
	12 1,2-Dichlorobenzene	146	8.954	8.954	(1.036)	5513	0.10000	0.1101 (M)
	13 2-Methylphenol	108	9.086	9.086	(1.051)	4295	0.10000	0.09735 (M)
	15 4-Methylphenol	108	9.373	9.373	(1.084)	4394	0.10000	0.09714
	16 N-Nitroso-di-n-propylamine	70	9.389	9.389	(1.086)	2573	0.10000	0.1030 (M)
	22 2,4-Dimethylphenol	107	10.412	10.412	(0.939)	9745	0.20000	0.2033
	26 1,2,4-Trichlorobenzene	180	10.983	10.983	(0.990)	5340	0.10000	0.1089
*	27 Naphthalene-d8	136	11.091	11.091	(1.000)	563297	4.00000	
	30 Hexachlorobutadiene	225	11.392	11.392	(1.027)	3196	0.10000	0.1110
	39 Dimethylphthalate	163	14.116	14.116	(0.963)	9371	0.10000	0.1032 (M)
*	42 Acenaphthene-d10	162	14.657	14.657	(1.000)	307964	4.00000	
	50 Diethylphthalate	149	15.577	15.577	(1.063)	11940	0.10000	0.1084 (M)
	54 N-Nitrosodiphenylamine	169	16.041	16.041	(0.905)	7286	0.10000	0.1051 (M)
	57 Hexachlorobenzene	284	16.913	16.913	(0.955)	5240	0.10000	0.1136
	58 Pentachlorophenol	266	17.331	17.331	(0.978)	3538	0.20000	0.1554
*	59 Phenanthrene-d10	188	17.718	17.718	(1.000)	669341	4.00000	
$	66 Terphenyl-d14	244	20.921	20.921	(0.917)	8002	0.10000	0.1049
	67 Butylbenzylphthalate	149	21.842	21.842	(0.958)	7214	0.10000	0.09792
*	69 Chrysene-d12	240	22.810	22.810	(1.000)	735690	4.00000	
*	77 Perylene-d12	264	25.257	25.257	(1.000)	778844	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.581	27.581	(1.092)	19383	0.10000	0.1032 (M)
	90 N-Nitrosodimethylamine	74	4.209	4.209	(0.487)	4320	0.20000	0.2040

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: ic0823i.d
Lab Smp Id: IC0823I
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130823.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 23-AUG-2013
Calibration Time: 17:53

Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	155075	-3.39
27 Naphthalene-d8	576038	288019	1152076	563297	-2.21
42 Acenaphthene-d10	314384	157192	628768	307964	-2.04
59 Phenanthrene-d10	686356	343178	1372712	669341	-2.48
69 Chrysene-d12	741751	370876	1483502	735690	-0.82
77 Perylene-d12	800926	400463	1601852	778844	-2.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.64	8.14	9.14	8.64	0.00
27 Naphthalene-d8	11.09	10.59	11.59	11.09	0.00
42 Acenaphthene-d10	14.66	14.16	15.16	14.66	0.00
59 Phenanthrene-d10	17.72	17.22	18.22	17.72	0.00
69 Chrysene-d12	22.81	22.31	23.31	22.81	0.00
77 Perylene-d12	25.26	24.76	25.76	25.26	0.00

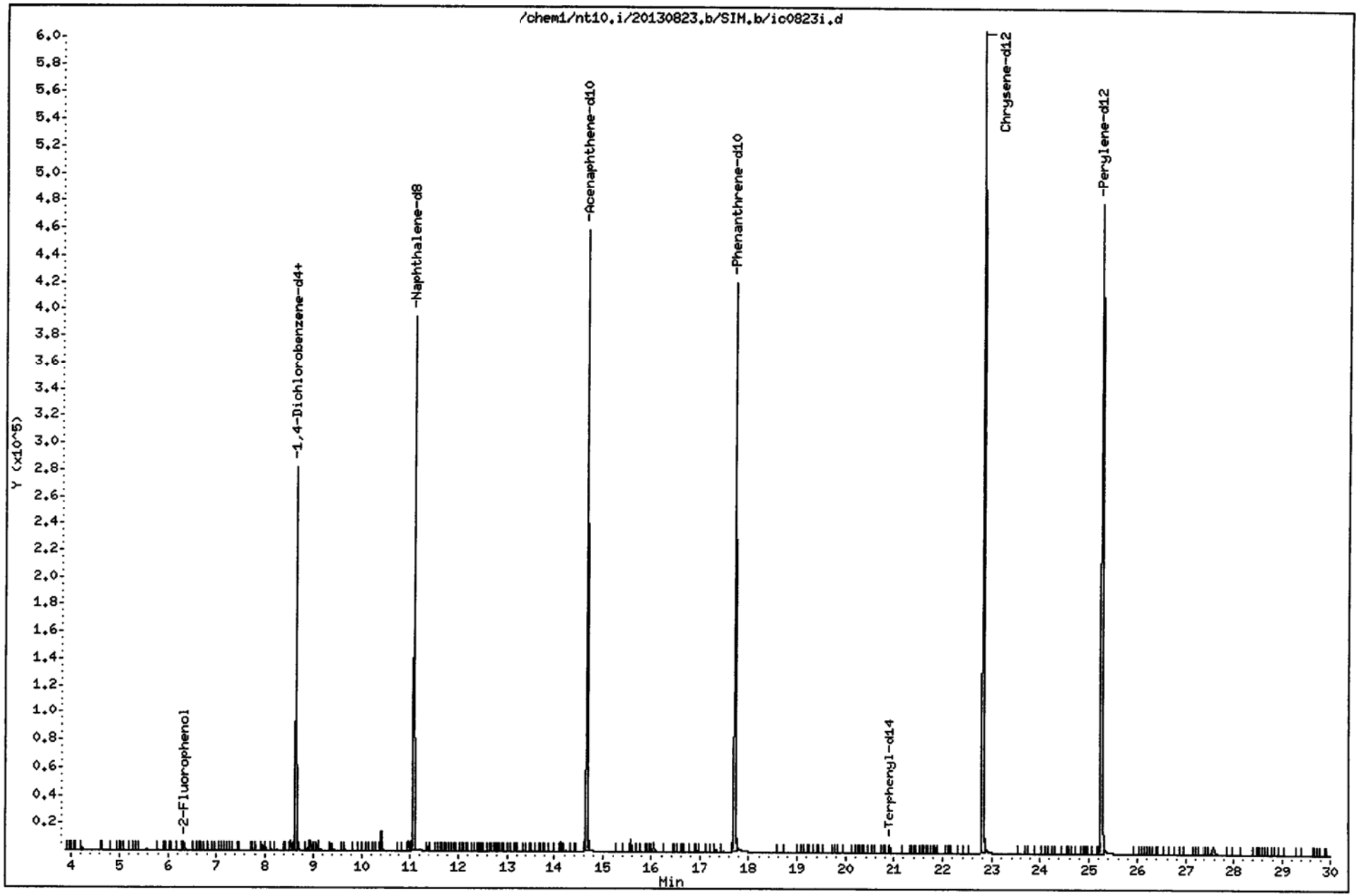
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Date : 23-AUG-2013 20:56
Client ID:
Sample Info: IC0823I

Column phase: ZB-5msi

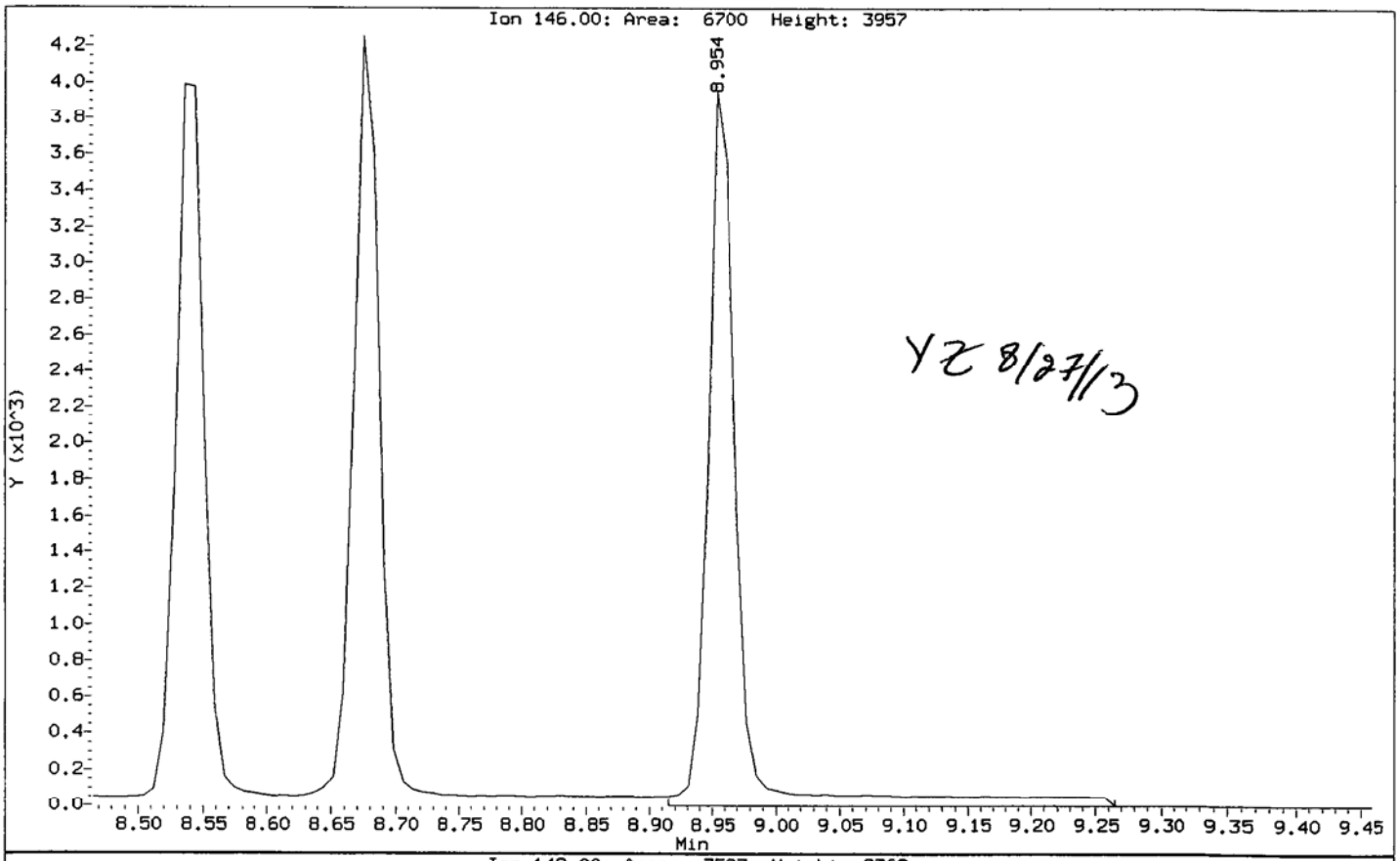
Instrument: nt10.i

Operator: VTS/YZ
Column diameter: 0.25

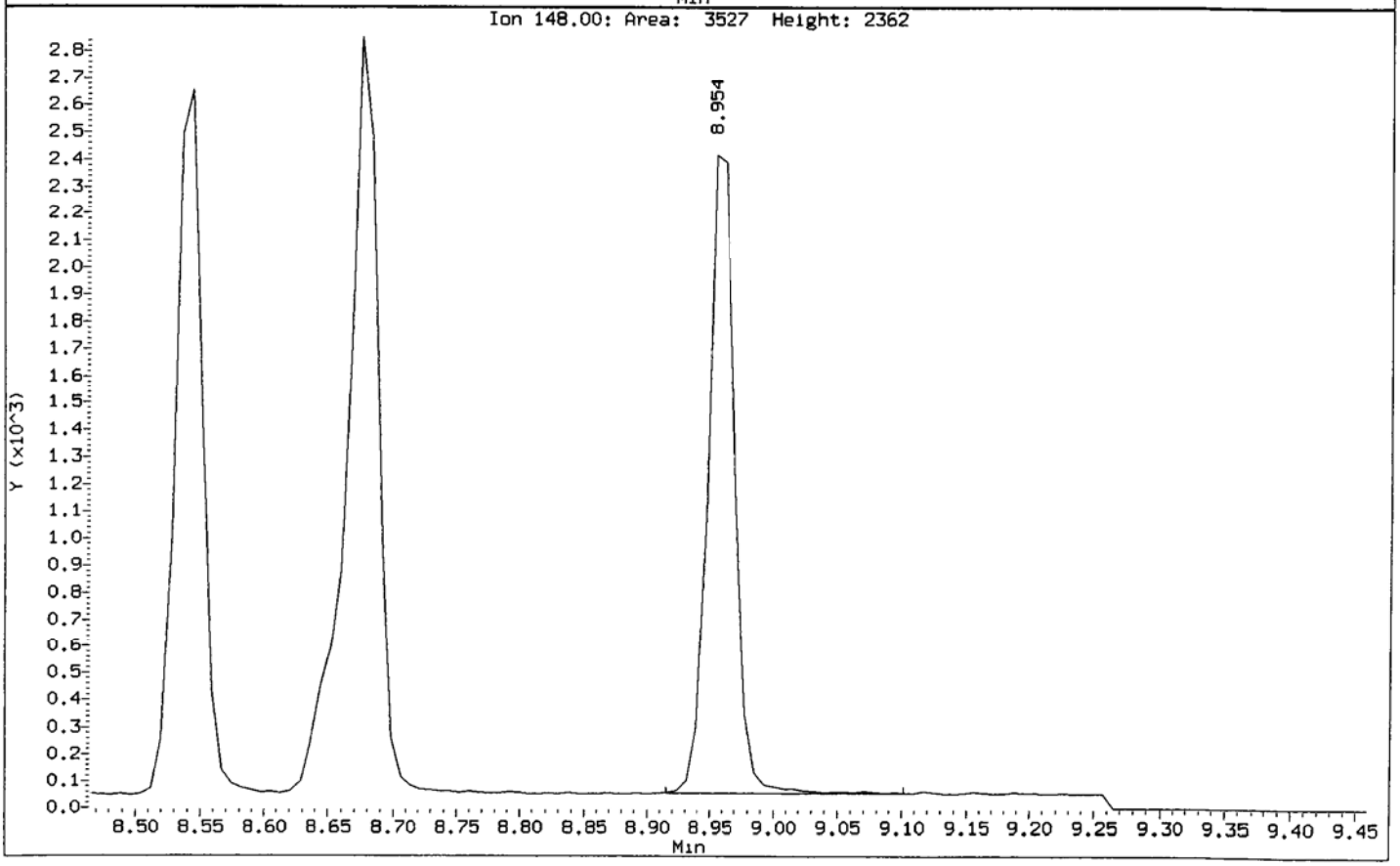


Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.i
Client Sample ID:

Compound: 1,2-Dichlorobenzene
CAS Number: 95-50-1



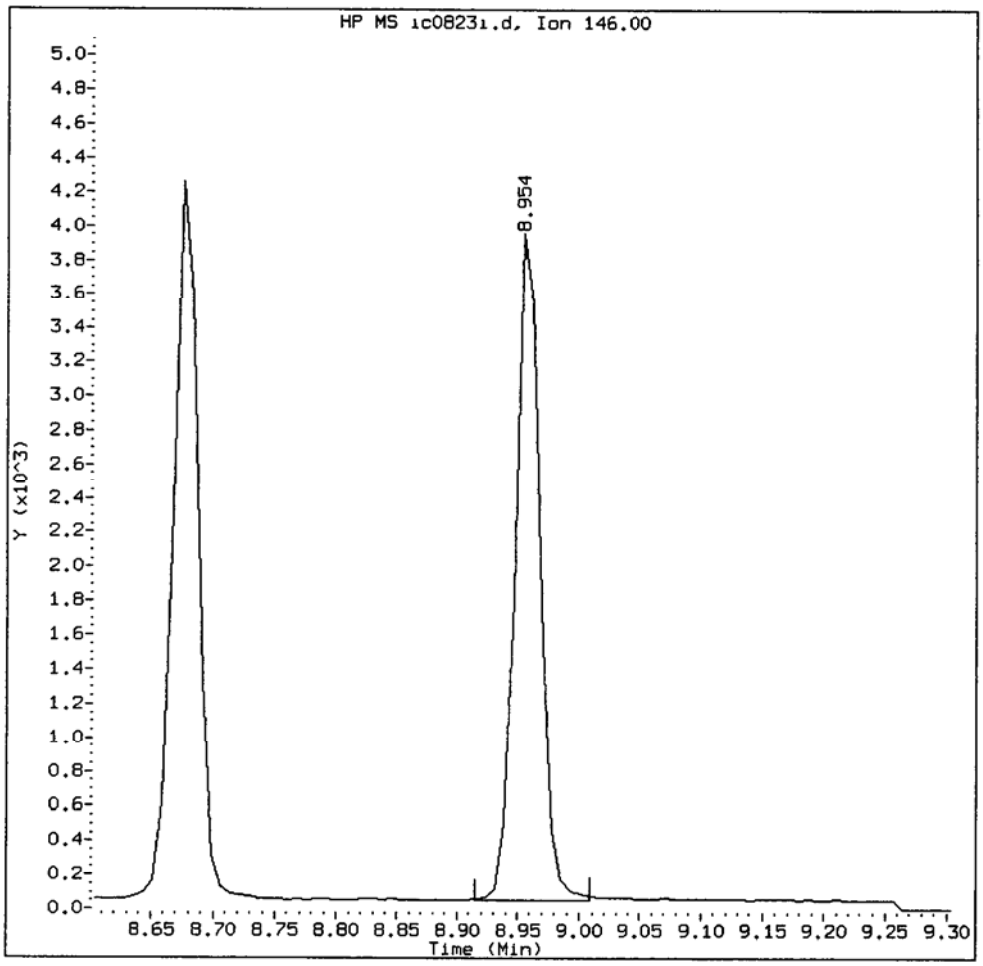
YZ 8/27/13



XB83 : 66773

IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

1,2-Dichlorobenzene Amount: 0.11 Area: 5513



MANUAL INTEGRATION for 1,2-Dichlorobenzene

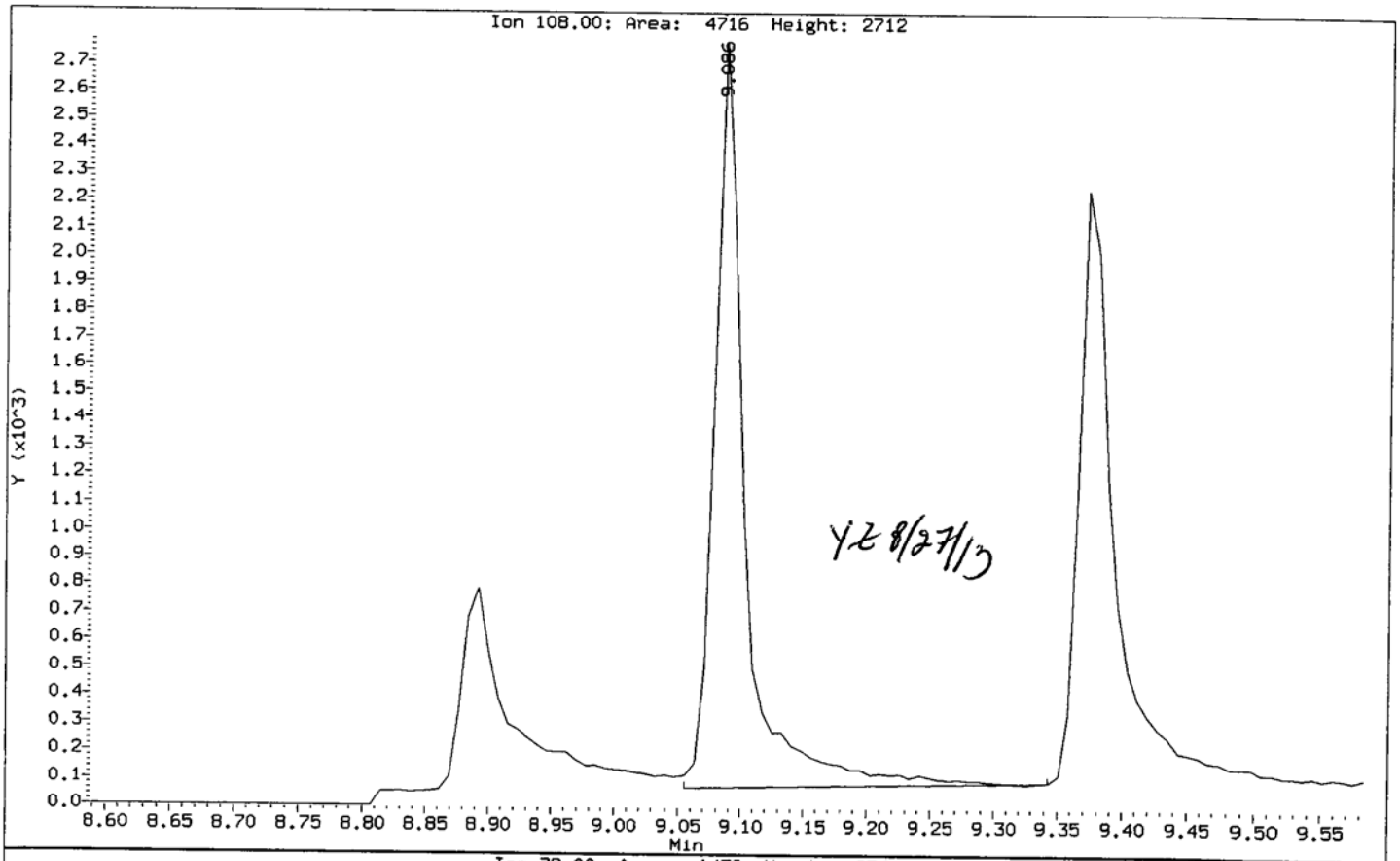
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

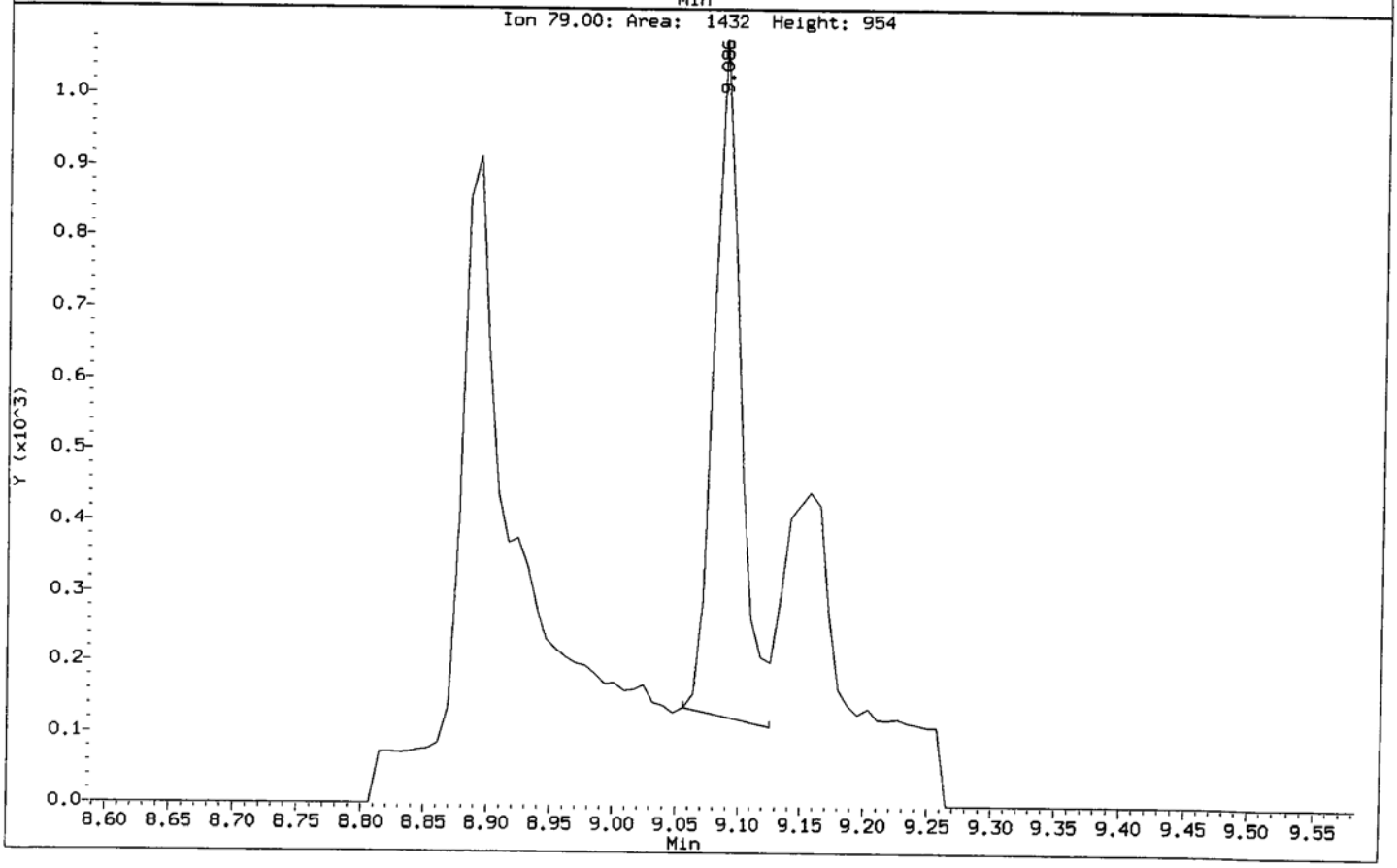
5. Other _____

Analyst: YZ Date: 9/27/13

Data File: /chem1/nt10.1/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.1
Client Sample ID:

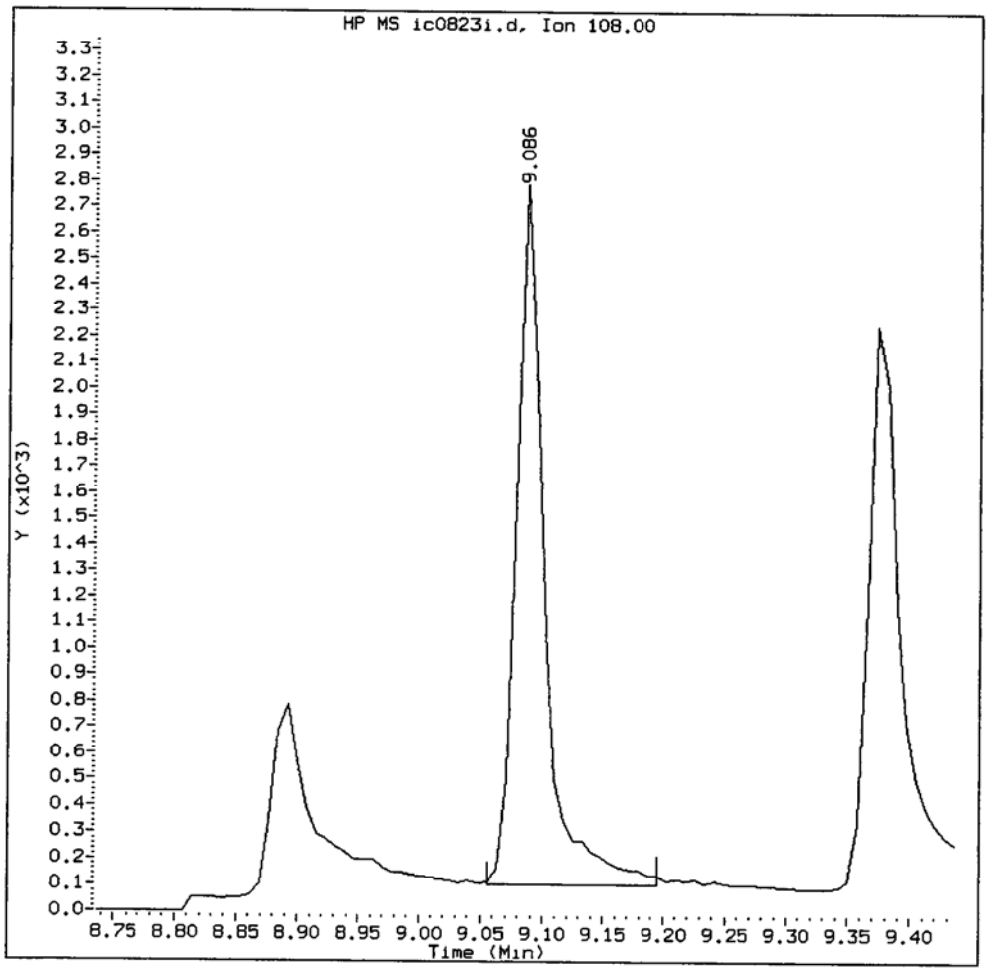
Compound: 2-Methylphenol
CAS Number: 95-48-7





IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

2-Methylphenol Amount: 0.10 Area: 4295



MANUAL INTEGRATION for 2-Methylphenol

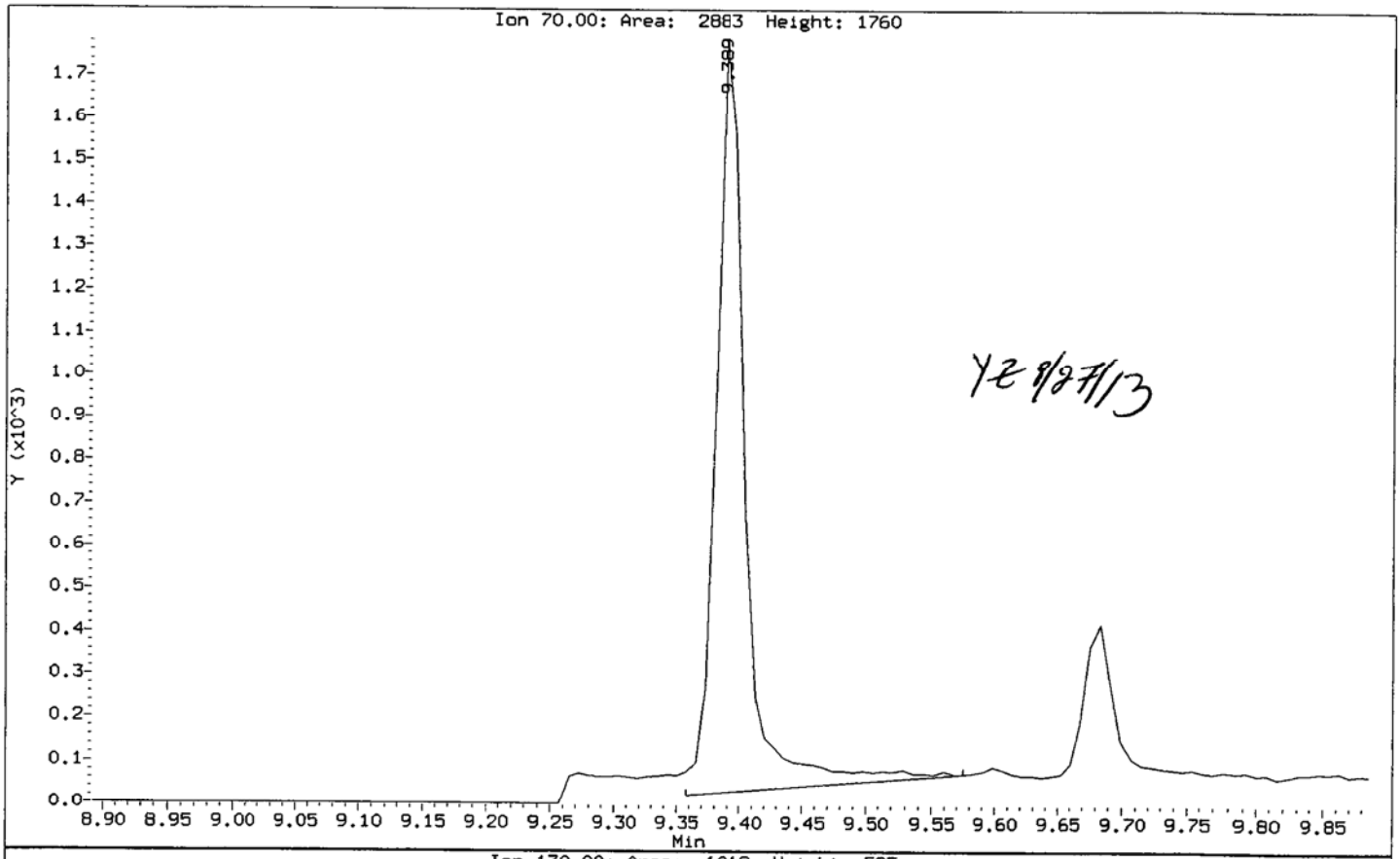
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

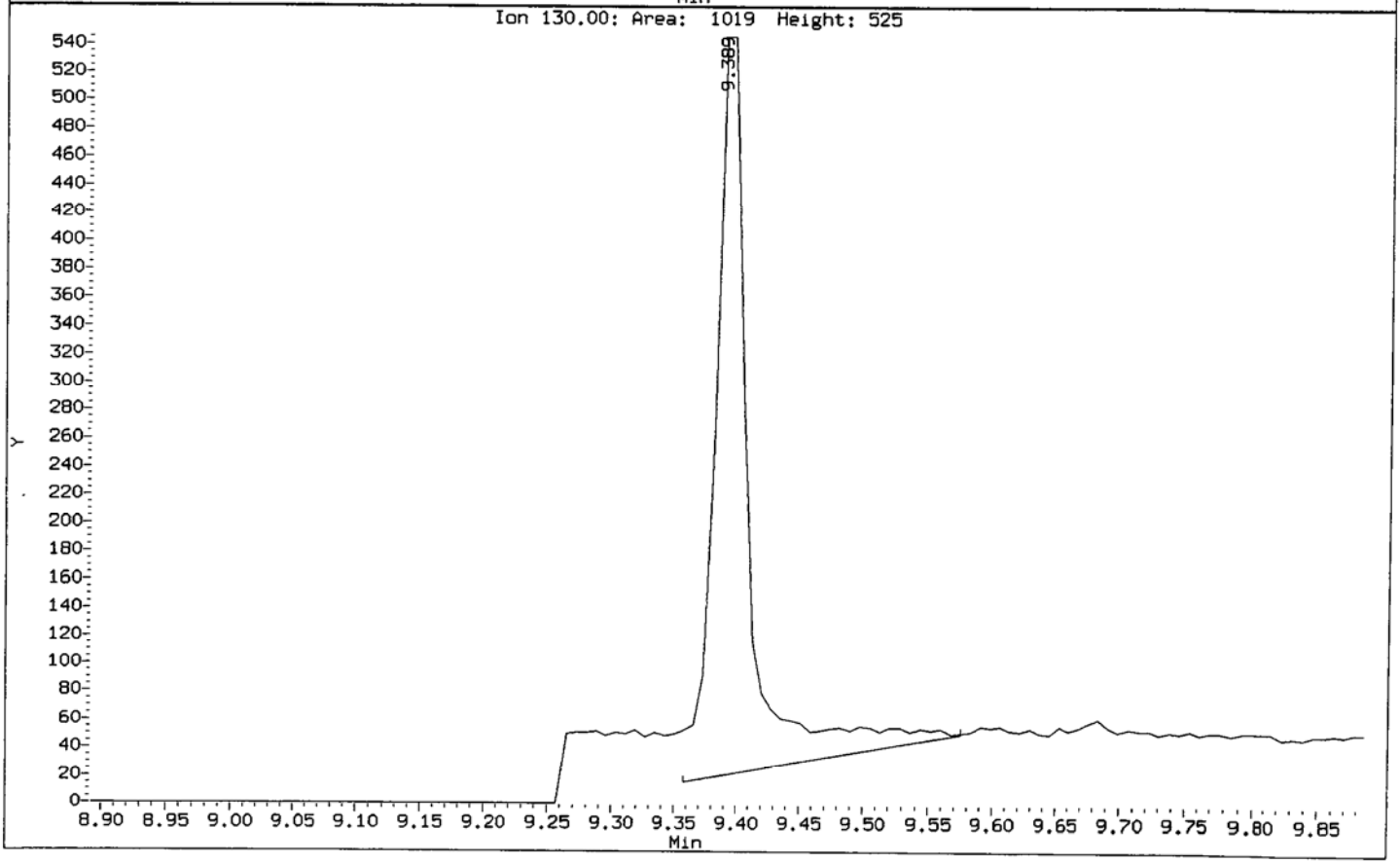
Analyst: YZ Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.i
Client Sample ID:

Compound: N-Nitroso-di-n-propylamine
CAS Number: 621-64-7



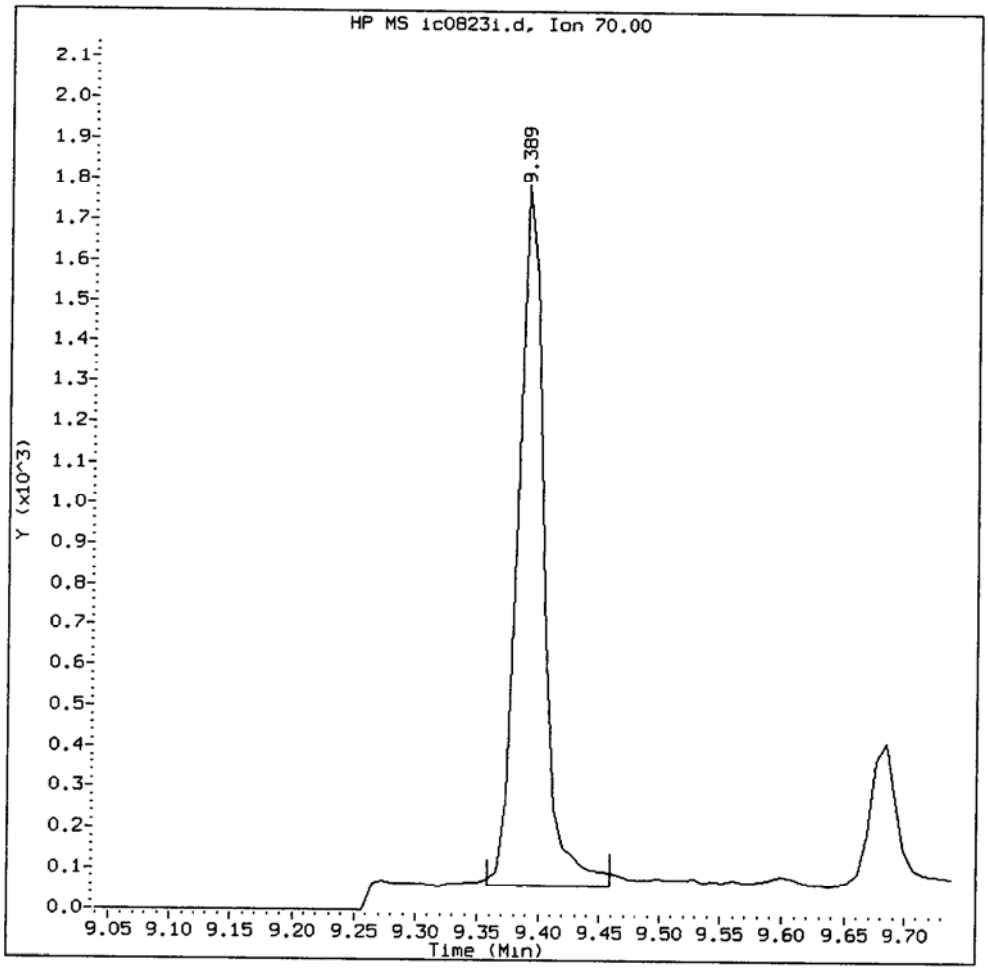
YZ 8/27/13



XB83.00777

IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

N-Nitroso-di-n-propylamine Amount: 0.10 Area: 2573



MANUAL INTEGRATION for N-Nitroso-di-n-propylamine

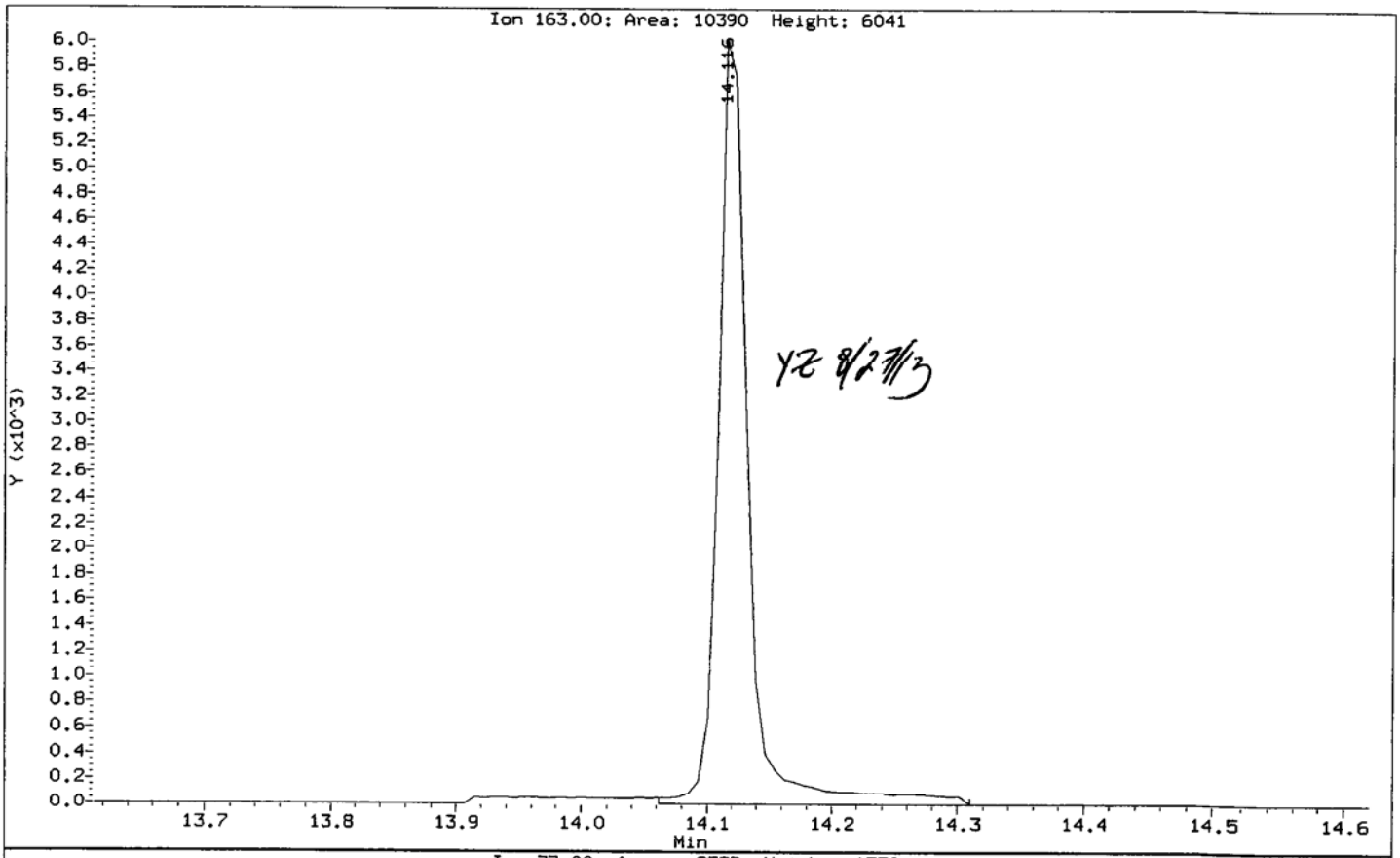
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

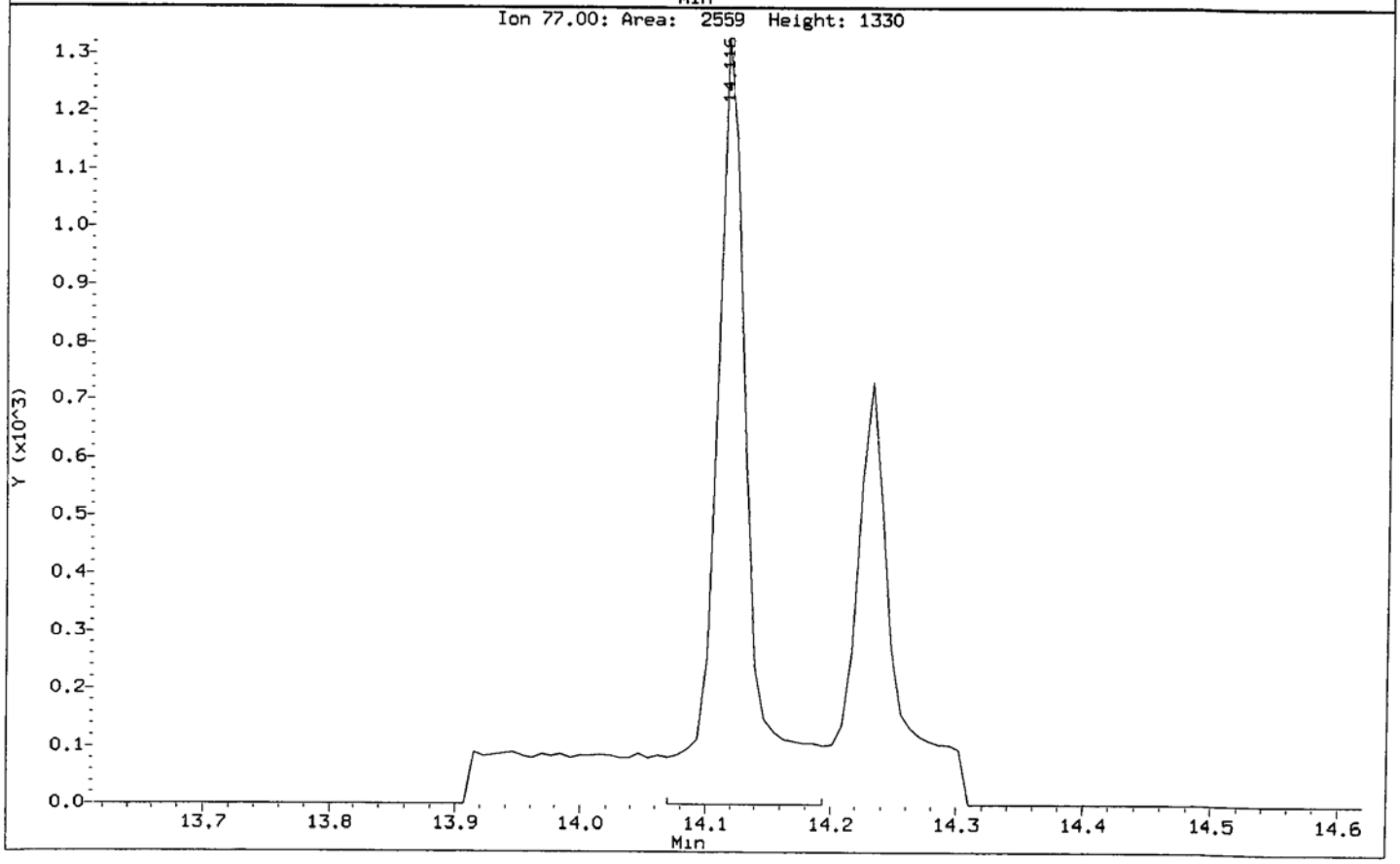
5. Other _____

Analyst: YZ Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.i
Client Sample ID:

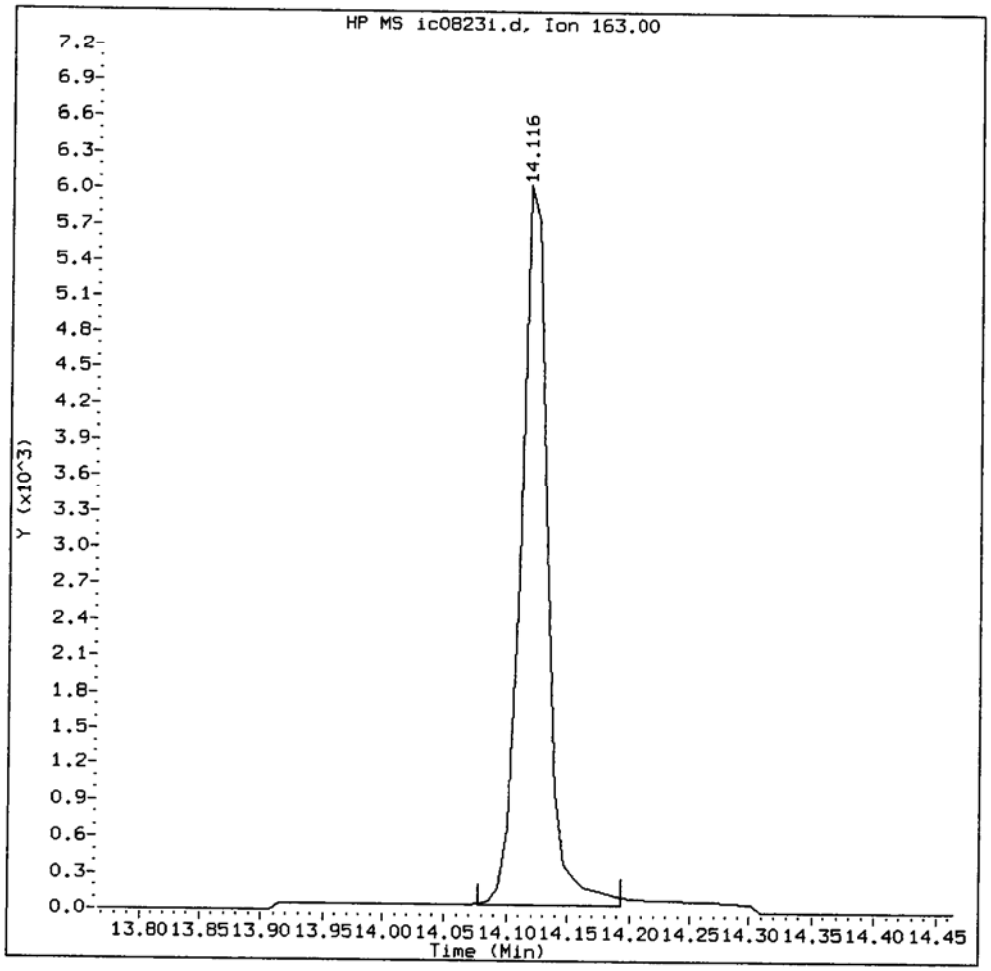
Compound: Dimethylphthalate
CAS Number: 131-11-3





IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

Dimethylphthalate Amount: 0.10 Area: 9371



MANUAL INTEGRATION for Dimethylphthalate

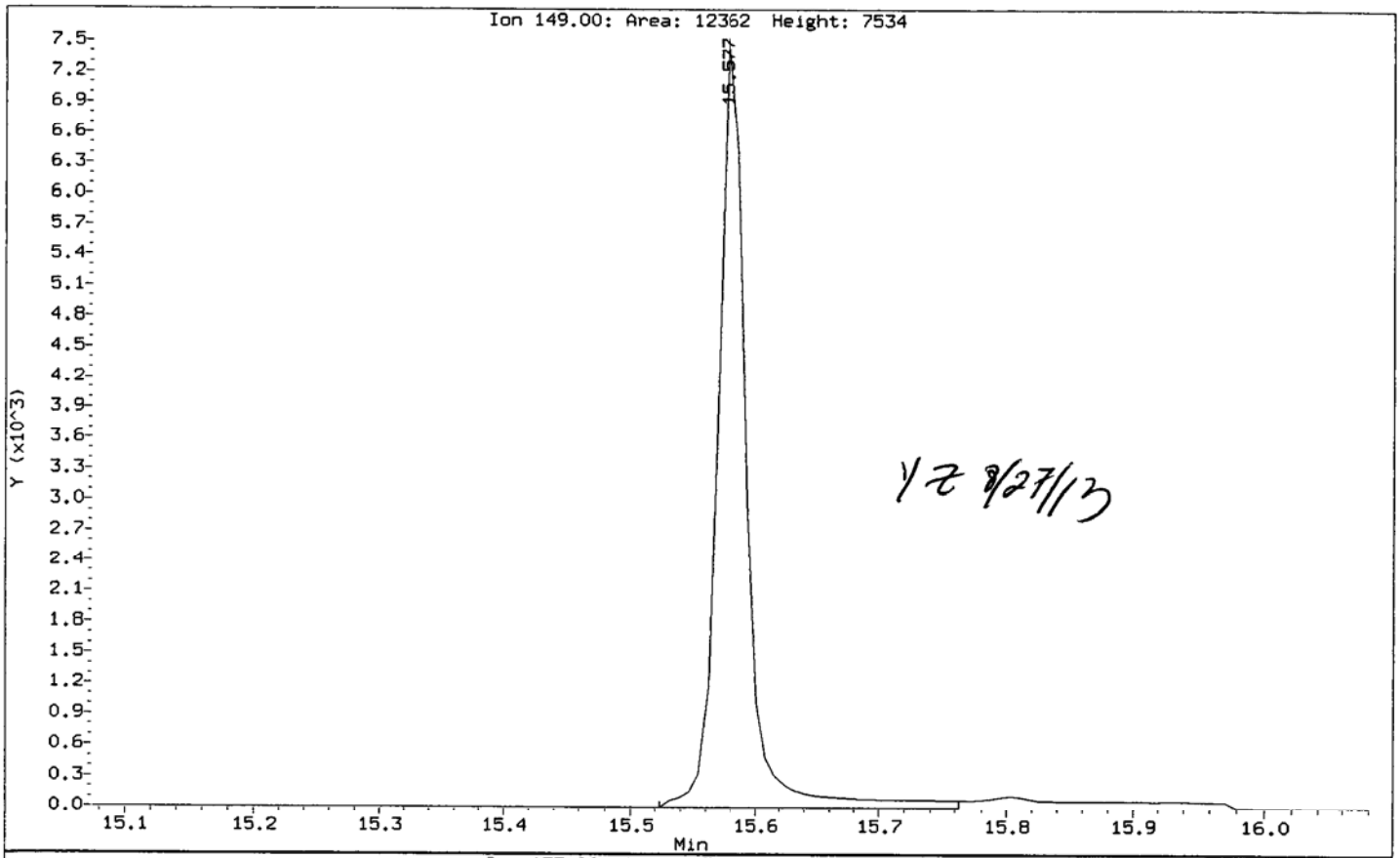
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

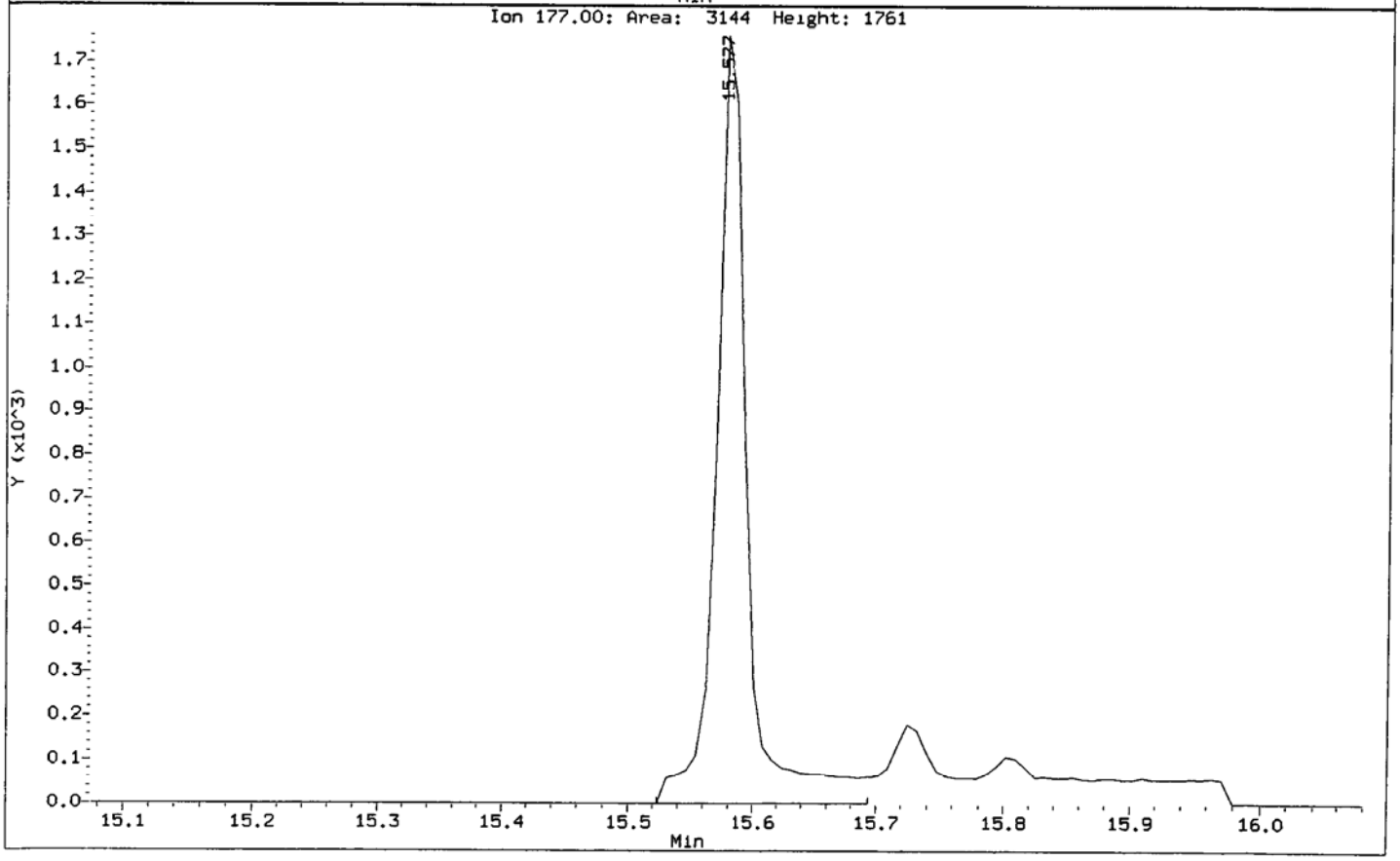
Analyst: YZ Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.i
Client Sample ID:

Compound: Diethylphthalate
CAS Number: 84-66-2

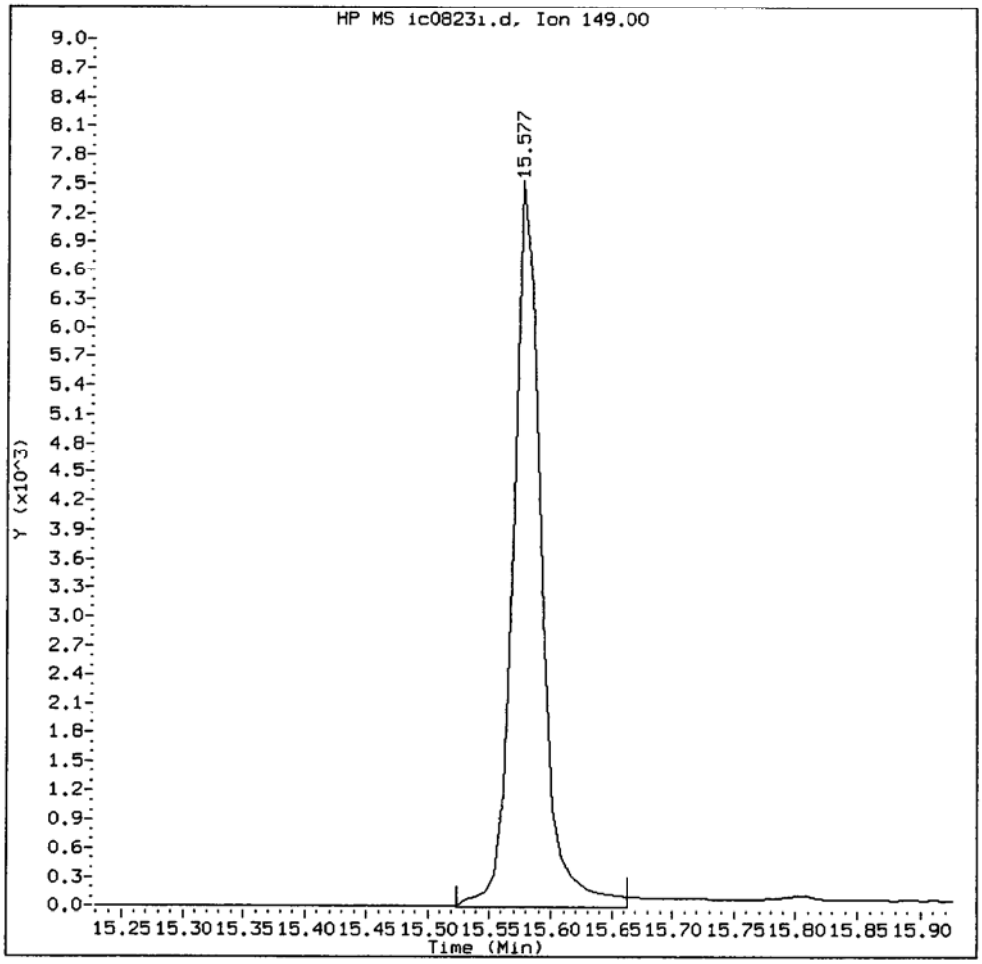


YZ 8/27/13



IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

Diethylphthalate Amount: 0.11 Area: 11940



MANUAL INTEGRATION for Diethylphthalate

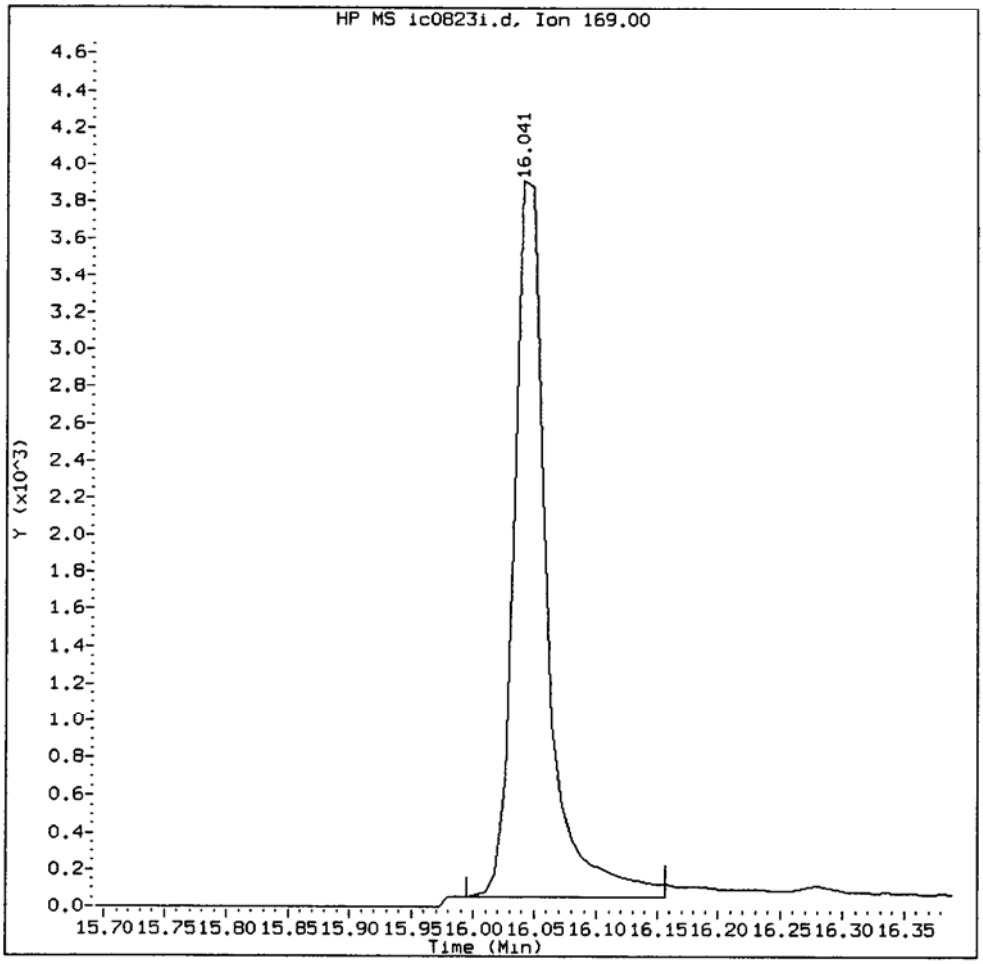
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/27/13

IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

N-Nitrosodiphenylamine Amount: 0.11 Area: 7286



MANUAL INTEGRATION for N-Nitrosodiphenylamine

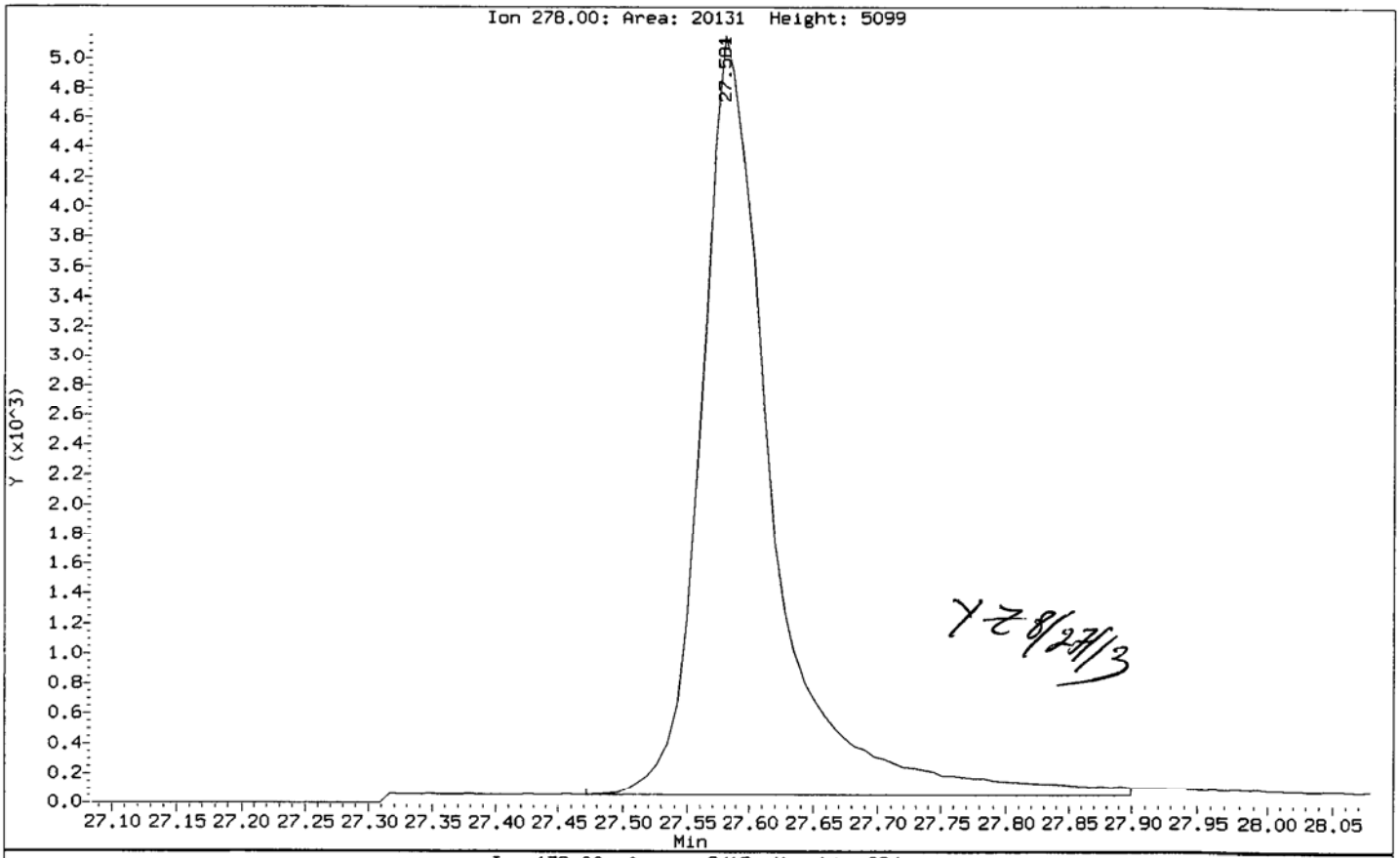
1. Baseline correction
2. Poor chromatography
3. Peak not found ✓
4. Totals calculation

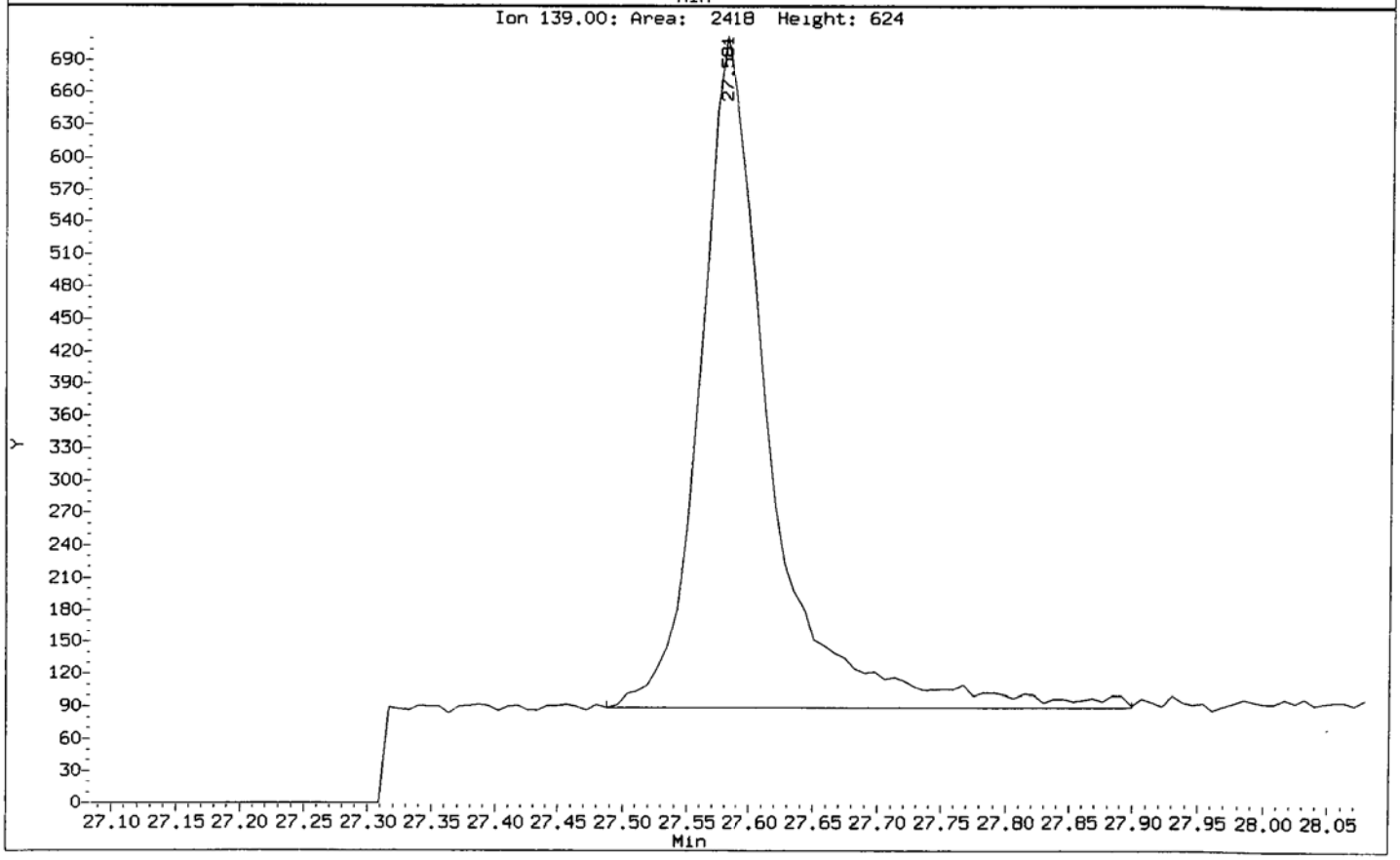
5. Other _____

Analyst: YE Date: 8/27/13

Data File: /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d
Injection Date: 23-AUG-2013 20:56
Instrument: nt10.i
Client Sample ID:

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3

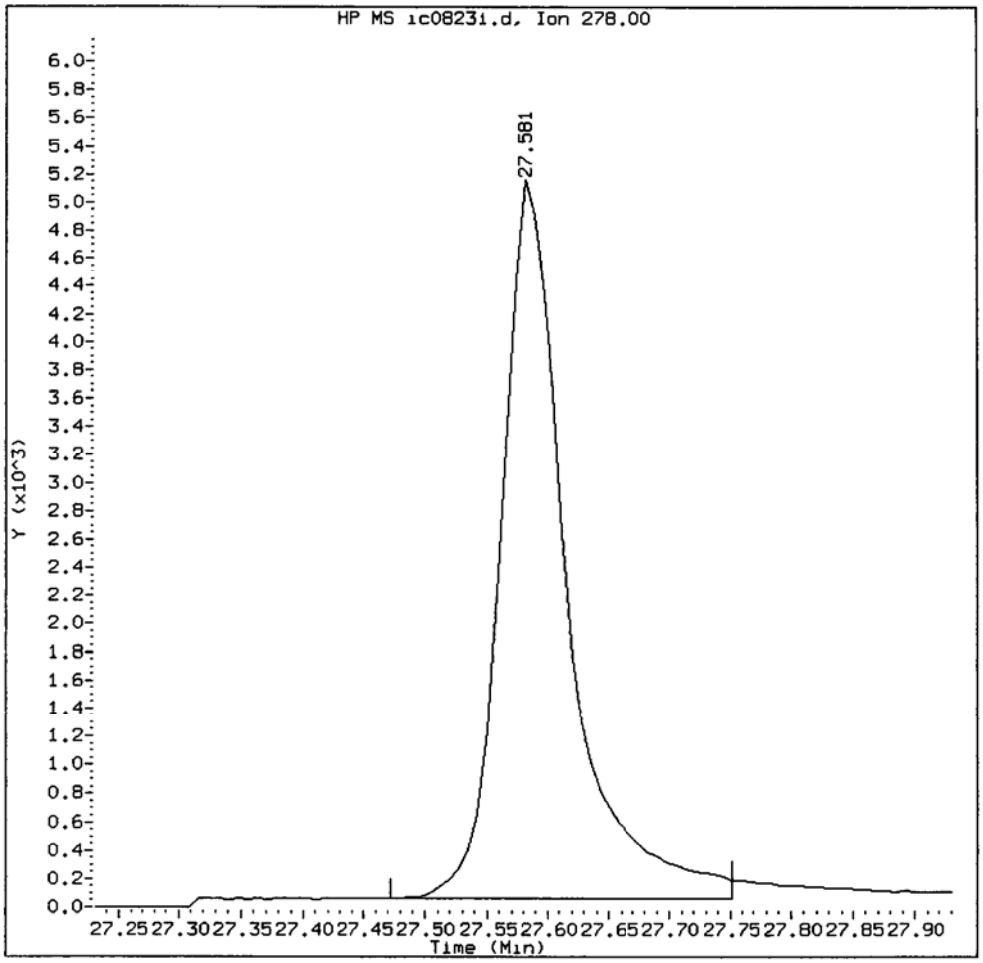




XB89 : 00784

IC0823I, /chem1/nt10.i/20130823.b/SIM.b/ic0823i.d

Dibenzo(a,h)anthracene Amount: 0.10 Area: 19383



MANUAL INTEGRATION for Dibenzo(a,h)anthracene

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 8/27/13

CO-ELUTION SUMMARY FOR FILE - ic0823i.d

Lab ID: IC0823I, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 23-AUG-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Data File: /chem1/nt10.i/20130823.b/df0823.d

Date : 23-AUG-2013 15:50

Client ID: DFTPP

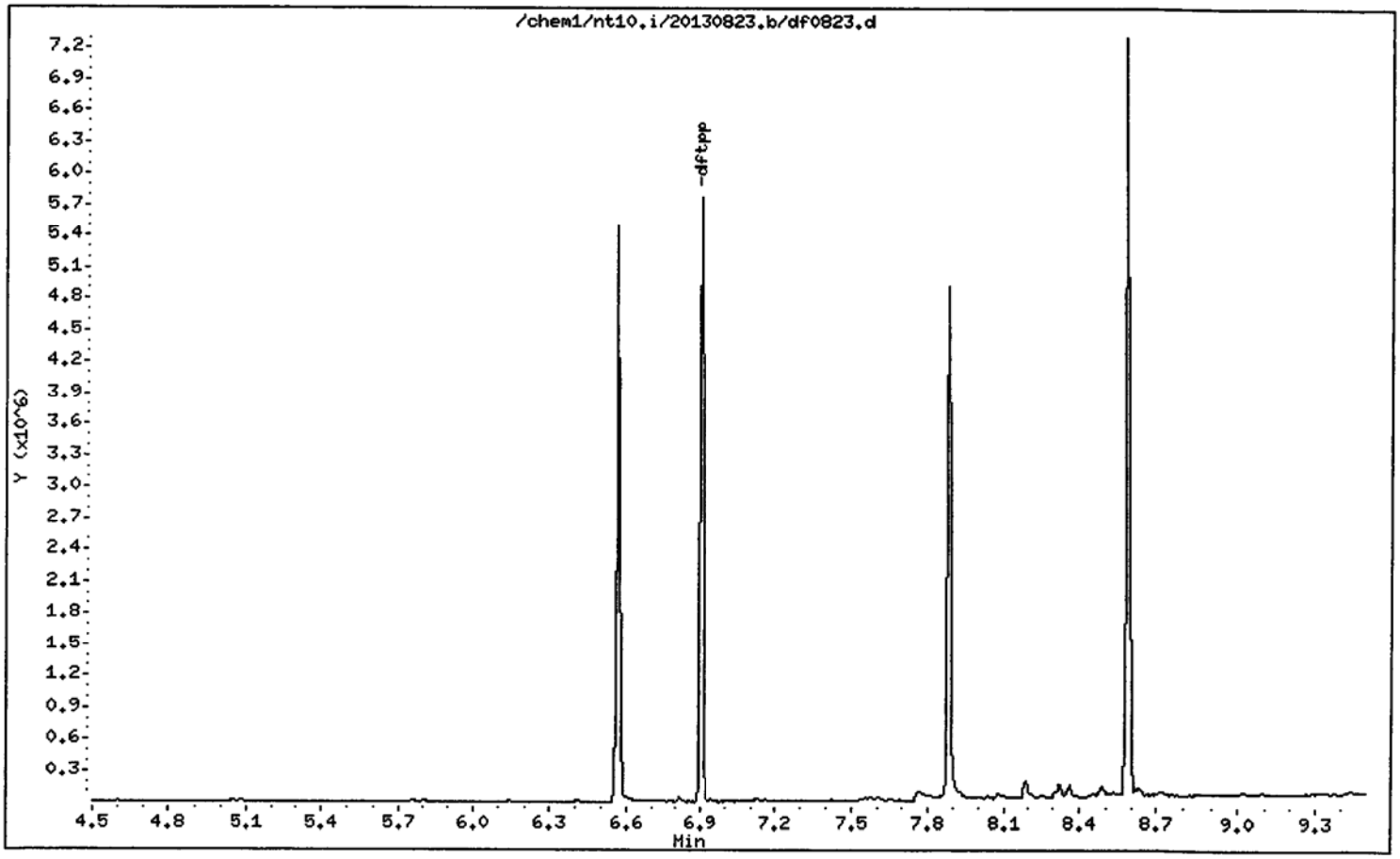
Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



Data File: /chem1/nt10.i/20130823.b/df0823.d

Date : 23-AUG-2013 15:50

Client ID: DFTPP

Instrument: nt10.i

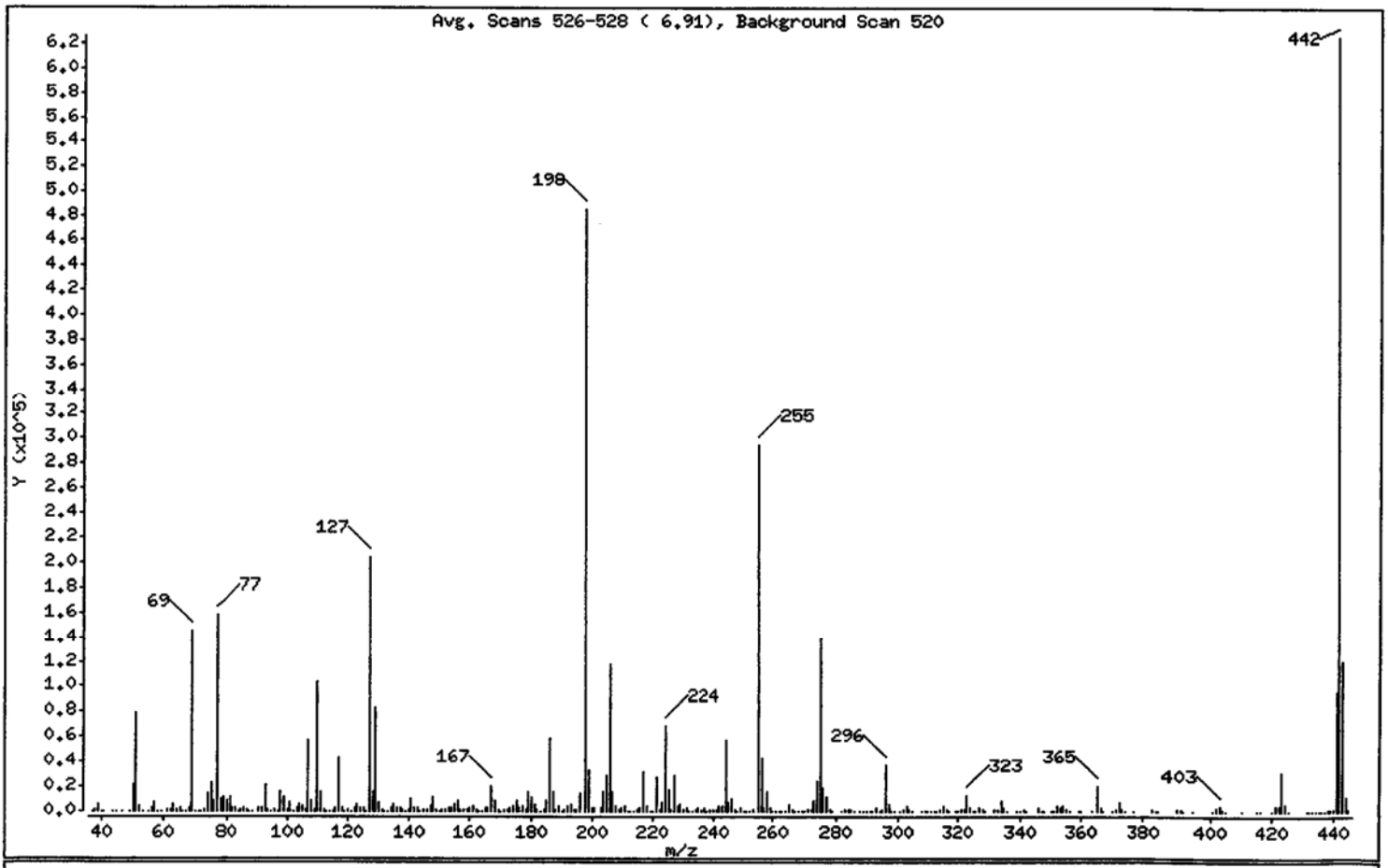
Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	16.20
68	Less than 2.00% of mass 69	0.53 (1.77)
69	Mass 69 relative abundance	30.00
70	Less than 2.00% of mass 69	0.12 (0.41)
127	10.00 - 80.00% of mass 198	41.99
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 60.00% of mass 198	28.79
365	Greater than 1.00% of mass 198	3.99
441	0.01 - 24.00% of mass 442	19.80 (15.38)
442	50.00 - 200.00% of mass 198	128.71
443	15.00 - 24.00% of mass 442	24.72 (19.21)

Data File: /chem1/nt10.i/20130823.b/df0823.d

Date : 23-AUG-2013 15:50

Client ID: DFTPP

Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: df0823.d

Spectrum: Avg. Scans 526-528 (6.91), Background Scan 520

Location of Maximum: 442.00

Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	432	130.00	6901	218.00	4416	311.00	118
38.00	1147	131.00	1301	219.00	474	312.00	85
39.00	6123	132.00	642	220.00	189	313.00	359
40.00	464	133.00	240	221.00	27696	314.00	1987
41.00	32	134.00	2239	222.00	933	315.00	4365
44.00	198	135.00	6293	223.00	7620	316.00	2062
45.00	80	136.00	3049	224.00	68536	317.00	449
47.00	50	137.00	2698	225.00	17008	319.00	64
49.00	625	138.00	766	226.00	2014	320.00	222
50.00	21680	139.00	413	227.00	28704	321.00	1345
51.00	78720	140.00	895	228.00	3777	322.00	854
52.00	3864	141.00	10483	229.00	5993	323.00	12928
53.00	206	142.00	3127	230.00	1064	324.00	2307
55.00	526	143.00	2413	231.00	2607	325.00	268
56.00	3410	144.00	683	232.00	509	326.00	352
57.00	7332	145.00	750	233.00	511	327.00	2288
58.00	386	146.00	1867	234.00	1875	328.00	1197
59.00	193	147.00	4990	235.00	2210	329.00	332
61.00	1718	148.00	11335	236.00	1359	332.00	1004
62.00	1778	149.00	1985	237.00	2329	333.00	1201
63.00	5674	150.00	696	238.00	427	334.00	8450
64.00	795	151.00	1105	239.00	1054	335.00	2298
65.00	2715	152.00	1012	240.00	962	336.00	249
66.00	223	153.00	3381	241.00	1855	339.00	246
67.00	142	154.00	2400	242.00	3620	340.00	306
68.00	2581	155.00	6414	243.00	4333	341.00	1900
69.00	145792	156.00	8310	244.00	57600	342.00	440
70.00	595	157.00	2023	245.00	7807	346.00	2886
71.00	510	158.00	1824	246.00	10460	347.00	479
72.00	135	159.00	1508	247.00	1975	348.00	70
73.00	965	160.00	3404	248.00	517	350.00	136
74.00	13898	161.00	4652	249.00	2302	351.00	416
75.00	23584	162.00	1460	250.00	533	352.00	4326
76.00	8064	163.00	529	251.00	558	353.00	2909
77.00	158144	164.00	687	252.00	612	354.00	4391

Date : 23-AUG-2013 15:50

Client ID: DFTPP Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: df0823.d
Spectrum: Avg. Scans 526-528 (6.91), Background Scan 520
Location of Maximum: 442.00
Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	10586	165.00	3548	253.00	1585	355.00	881
79.00	11096	166.00	3228	255.00	295424	356.00	73
80.00	8375	167.00	19640	256.00	42440	359.00	421
81.00	12186	168.00	8015	257.00	3150	360.00	72
82.00	3088	169.00	1559	258.00	16165	363.00	149
83.00	2617	170.00	687	259.00	2806	365.00	19416
84.00	316	171.00	1034	260.00	520	366.00	2611
85.00	2067	172.00	1905	261.00	624	367.00	204
86.00	3077	173.00	2781	262.00	125	370.00	374
87.00	1595	174.00	4276	263.00	64	371.00	1289
88.00	617	175.00	8383	264.00	601	372.00	7411
89.00	313	176.00	2710	265.00	6411	373.00	1804
91.00	3090	177.00	3917	266.00	812	374.00	149
92.00	2956	178.00	1470	267.00	280	377.00	73
93.00	20992	179.00	16080	268.00	108	383.00	2069
94.00	1582	180.00	10930	269.00	69	384.00	561
95.00	123	181.00	5112	270.00	691	385.00	140
96.00	827	182.00	819	271.00	1333	390.00	1082
97.00	110	183.00	611	272.00	1247	391.00	734
98.00	15398	184.00	1276	273.00	9325	392.00	557
99.00	11460	185.00	8059	274.00	24536	395.00	56
100.00	1211	186.00	59296	275.00	139904	401.00	584
101.00	7776	187.00	16504	276.00	18424	402.00	3203
102.00	550	188.00	1832	277.00	10827	403.00	4840
103.00	2379	189.00	3935	278.00	1799	404.00	1874
104.00	5089	190.00	599	279.00	287	405.00	89
105.00	4364	191.00	1868	282.00	426	410.00	55
106.00	1558	192.00	4844	283.00	1131	415.00	312
107.00	58160	193.00	5506	284.00	920	416.00	52
108.00	9235	194.00	1470	285.00	1782	420.00	80
109.00	1816	195.00	1018	286.00	465	421.00	4710
110.00	103528	196.00	14816	288.00	69	422.00	3847
111.00	16504	198.00	486016	289.00	500	423.00	31216
112.00	2013	199.00	33704	290.00	450	424.00	6029
113.00	653	200.00	2621	291.00	449	425.00	459

Data File: /chem1/nt10.i/20130823.b/df0823.d

Date : 23-AUG-2013 15:50

Client ID: DFTPP

Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

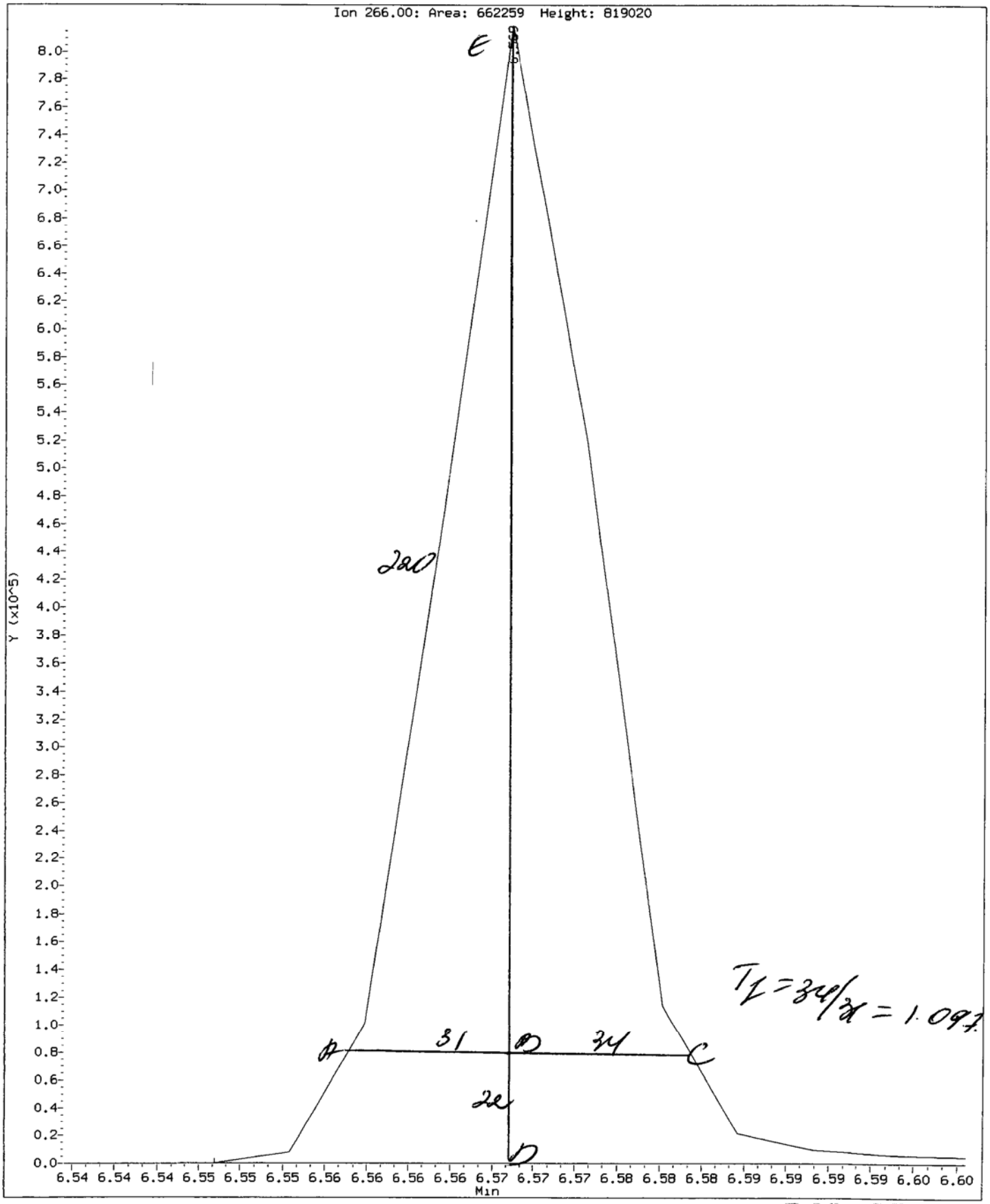
Column diameter: 0.25

Data File: df0823.d
Spectrum: Avg. Scans 526-528 (6.91), Background Scan 520
Location of Maximum: 442.00
Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	155	201.00	2662	292.00	701	431.00	62
115.00	195	203.00	3544	293.00	2384	432.00	57
116.00	3251	204.00	16272	294.00	662	433.00	356
117.00	43680	205.00	28272	295.00	850	434.00	195
118.00	3032	206.00	118168	296.00	37832	435.00	331
119.00	584	207.00	15478	297.00	5374	436.00	443
120.00	727	208.00	3821	298.00	420	437.00	399
121.00	355	209.00	921	299.00	72	438.00	1586
122.00	3418	210.00	2781	301.00	491	439.00	2119
123.00	6161	211.00	4492	302.00	772	440.00	1229
124.00	3002	212.00	614	303.00	4603	441.00	96208
125.00	2193	213.00	405	304.00	1308	442.00	625536
126.00	515	214.00	161	305.00	118	443.00	120152
127.00	204096	215.00	1171	308.00	540	444.00	10956
128.00	15741	216.00	2495	309.00	402	445.00	761
129.00	83592	217.00	32264	310.00	575		

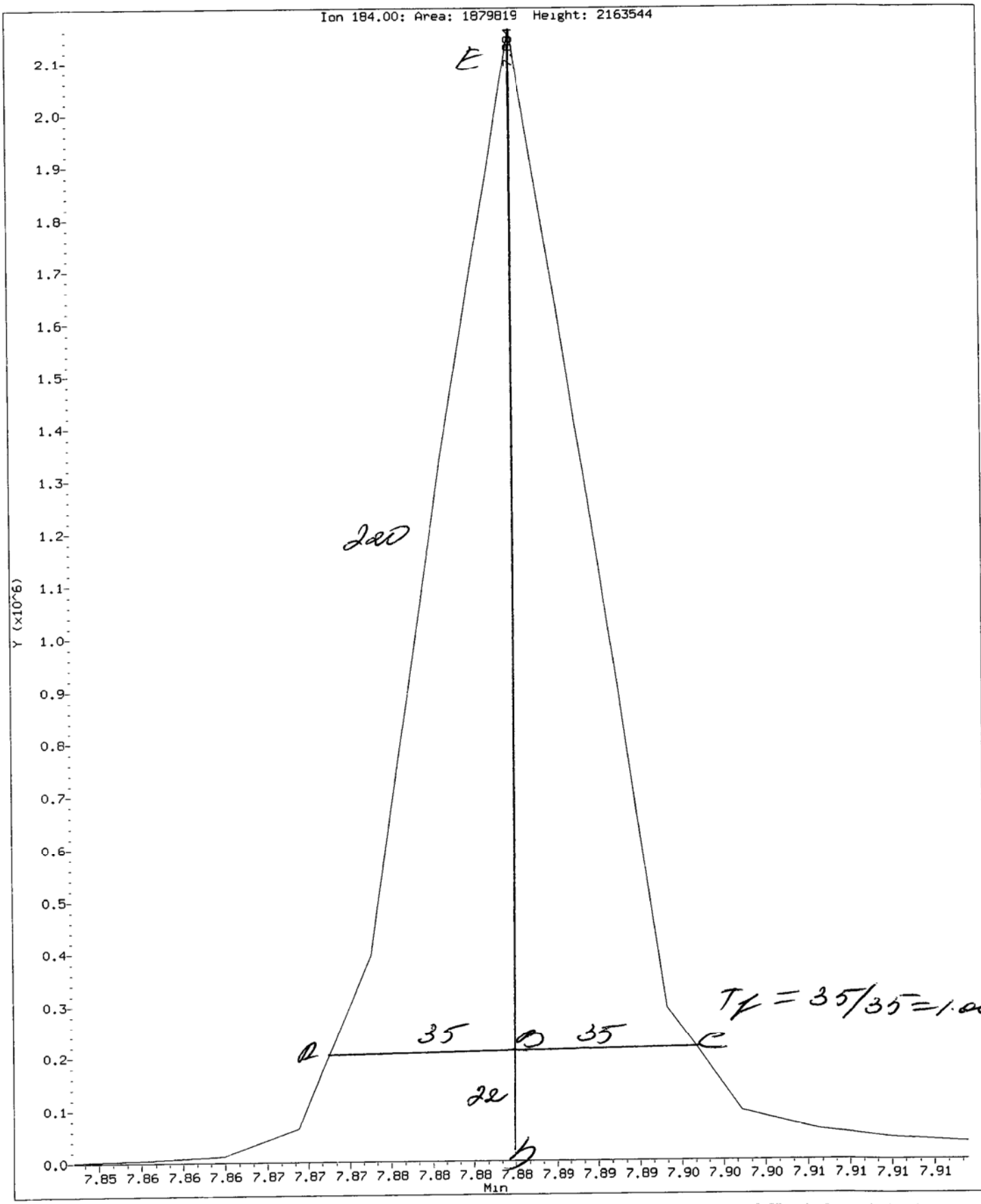
Data File: /chem1/nt10.i/20130823.b/DDT.b/df0823.d
Injection Date: 23-AUG-2013 15:50
Instrument: nt10.i
Client Sample ID: DFTPP

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt10.i/20130823.b/DDT.b/df0823.d
Injection Date: 23-AUG-2013 15:50
Instrument: nt10.i
Client Sample ID: DFTPP

Compound: Benzidine
CAS Number:



XB89 : 00793

Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt10.i/20130823.b/DDT.b/df0823.d
Method: /chem1/nt10.i/20130823.b/DDT.b/sw846ddt.m
Analysis Date: 23-AUG-2013 15:50

ARI ID: DFTPP
Misc: 11-
Instrument: nt10.i

COMPOUND	RT	AREA
Pentachlorophenol	6.569	662258
Benzidine	7.884	1879819
4,4'-DDE	8.034	3233
4,4'-DDD	8.360	19306
4,4'-DDT	8.590	1457234

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 3233 + 19306) * 100}{(\ 3233 + 19306 + 1457234)}$$

DDT Percent Breakdown = 1.5 %

SIM Semivolatile Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: XB89

Analytical Resources, Incorporated
Analytical Chemists and
Consultants

GC/MS SVOA Analyst Notes / Data Review Checklist

ARI WORK Order: XB89 Client ID: Anchor QEA

METHOD: **8270D**(SIM-SVOA) **KRONE**(Butyl Tins) **8270D**(SVOA) **8270D**(OP-Pest)

Instrument: NT-4 NT-6 NT-8 NT-10 NT11 NT12

Curve Date: 08/23/13 Analysis Start Date: 08/28/13

	REVIEW 1/REVIEW 2		REVIEW 1/REVIEW 2
DFTPP Tune met Criteria?	Y / N / ✓	Internal Standard within 50-200%?	Y / N / ✓
DDT Breakdown <20%?	Y / N / ✓	Retention Times within Windows?	Y / N / ✓
Peak Tailing Factor ≤2?	Y / N / ✓	Method Blank in Control?	Y / N / ✓
CCAL Meets %D?	Y / N / ✓	LCS / LCSD Recovery in Control?	Y / N / ✓
ICAL Q Flag applied?	Y / N / ✓	LCS / LCSD RPD ≤ 30%?	NA / X 25%
CCAL Q flag applied?	Y / N / ✓	MS / MSD Recovery in Control?	Y / N / ✓
Surrogate Recovery met?	Y / N / ✓	MS / MSD RPD ≤ 30%?	NA / X 25%
Manual Integrations?	Y / N / ✓	Samples Diluted?	Y / N / 3x
Integration Summary?	Y / N / ✓	Special Analysis Request?	Y / N / ✓

Detail problems, corrective actions and/or other pertinent information below.

- Samples A, B, C, E were run at 3x dilution due to dark color of the extracts.

- Samples E, F were re-run on 09/03/13 due to IS failure

(Review 1) Analyst: YE **Date:** 9/9/13

(Review 2) Reviewer: [signature] **Date:** 9/9/13

Analytical Resources Inc.: Organics Instrument Log

NT-10 Serial No.:GC=CN10837018, MS= US83131105

Date: 09/02/13 Analysis: ~~ABN/SIM ABN~~ Analyst: YZ

GC Program: ABN2 Column No: 227719 Column Type: ZB - SemiVOA

Instrument Tune (.U or .CT.): BQ284 EM Voltage: 2225

Calibration File: DF0905 Curve Date: 8/23/13 Injection Vol.: 1uL

IS/SS	Ical/Ccal	LCS/ICV
B928	B942 B943	
	B676 2004-2,	
	B931	

Document All Maintenance Tasks In Element

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt10.i/20130902.b

	Time	Filename	LabID	ClientId	DF									
1	1133	df0902.d	DFTPP	DFTPP	1	NO ISTDS FOUND								
2	1258	cc0902b.d	CC0902B		1	8.41	218814	10.87	781966	14.46	419854	17.53	920186	22.66	910324	25.07	961718
3	1554	xb89mb.d	XB89MBS1	XB89MBS1	1	8.42	130286	10.88	479575	14.47	250405	17.54	529171	22.66	487682	25.07	523139
4	1333	xb89sb.d	XB89LCSS1	XB89LCSS1	1	8.41	122018	10.87	439443	14.46	236279	17.53	484659	22.66	508338	25 07	534475
5	1409	xb89sbd.d	XB89LCSDS1	XB89LCSDS1	1	8.41	127144	10.88	456555	14.46	244944	17 53	512435	22.66	519036	25.07	564983
6	1444	xb89a.d	XB89A	IJ13-SS-102	3	8.41	123473	10.88	458735	14.47	238897	17.55	481294	22.69	463025	25.10	539031
7	1519	xb89b.d	XB89B	IJ13-SS-101	3	8.42	125104	10.89	453494	14.47	241188	17.56	486576	22.68	469937	25.10	540909
8	1629	xb89c d	XB89C	IJ13-SS-151	3	8.42	129752	10.88	473848	14.47	250056	17.54	503341	22.66	481769	25.07	553690
9	1705	xb89d.d	XB89D	IJ13-VC-101-	1	8.42	114742	10.89	420497	14.47	218396	17.53	432782	22.66	425856	25.08	488769
10	1740	xb89dms.d	XB89DMS	IJ13-VC-101-	1	8.42	110537	10 89	411906	14.46	228123	17.53	447788	22 65	447228	25.08	479787
11	1815	xb89dmsd.d	XB89DMSD	IJ13-VC-101-	1	8.42	107657	10.88	404270	14.46	214843	17 52	434136	22.64	420096	25 06	448144

YZ 9/9/13

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks In Element

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt10.i/20130902.b/SIM.b

ARI Job No.: XB89 Method: SIM.b/SIMABN2.m Instrument: nt10.i Date: 02-SEP-2013

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1554	xb89mb.d	XB89MBS1	XB89MBS1	1	NO MANUAL INTEGRATION
1333	xb89sb.d	XB89LCSS1	XB89LCSS1	1	NO MANUAL INTEGRATION
1409	xb89sbd.d	XB89LCSDS1	XB89LCSDS1	1	NO MANUAL INTEGRATION
1444	xb89a.d	XB89A	IJ13-SS-10	3	Benzyl alcohol, Dimethylphthalate, Diethylphthalate,
1519	xb89b.d	XB89B	IJ13-SS-10	3	Benzyl alcohol, 2,4-Dimethylphenol, Dimethylphthalate, Diethylphthalate, Butylbenzylphthalate,
1629	xb89c.d	XB89C	IJ13-SS-15	3	Benzyl alcohol, Dimethylphthalate, Diethylphthalate, N-Nitrosodiphenylamine,
1705	xb89d.d	XB89D	IJ13-VC-10	1	1,4-Dichlorobenzene, Benzyl alcohol, Dimethylphthalate,
1740	xb89dms.d	XB89DMS	IJ13-VC-10	1	NO MANUAL INTEGRATION
1815	xb89dmsd.d	XB89DMSD	IJ13-VC-10	1	NO MANUAL INTEGRATION
1303	xb89e3.d	XB89E	IJ13-VC-10	3	1,4-Dichlorobenzene, Pentachlorophenol, Butylbenzylphthalate,
1338	xb89f.d	XB89F	IJ13-VC-10	1	Benzyl alcohol, Dimethylphthalate, Pentachlorophenol, Butylbenzylphthalate,

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt10.i/20130902.b/SIM.b

Instrument: nt10.i Date: 02-SEP-2013 Method: SIM.b/SIMABN2.m

INITIAL CAL: 23-AUG-2013

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 02-SEP-2013

Compound	%D
Pentachlorophenol	-54.8

Data File: /chem1/nt10.i/20130902.b/df0902.d

Date : 02-SEP-2013 11:33

Client ID: DFTPP

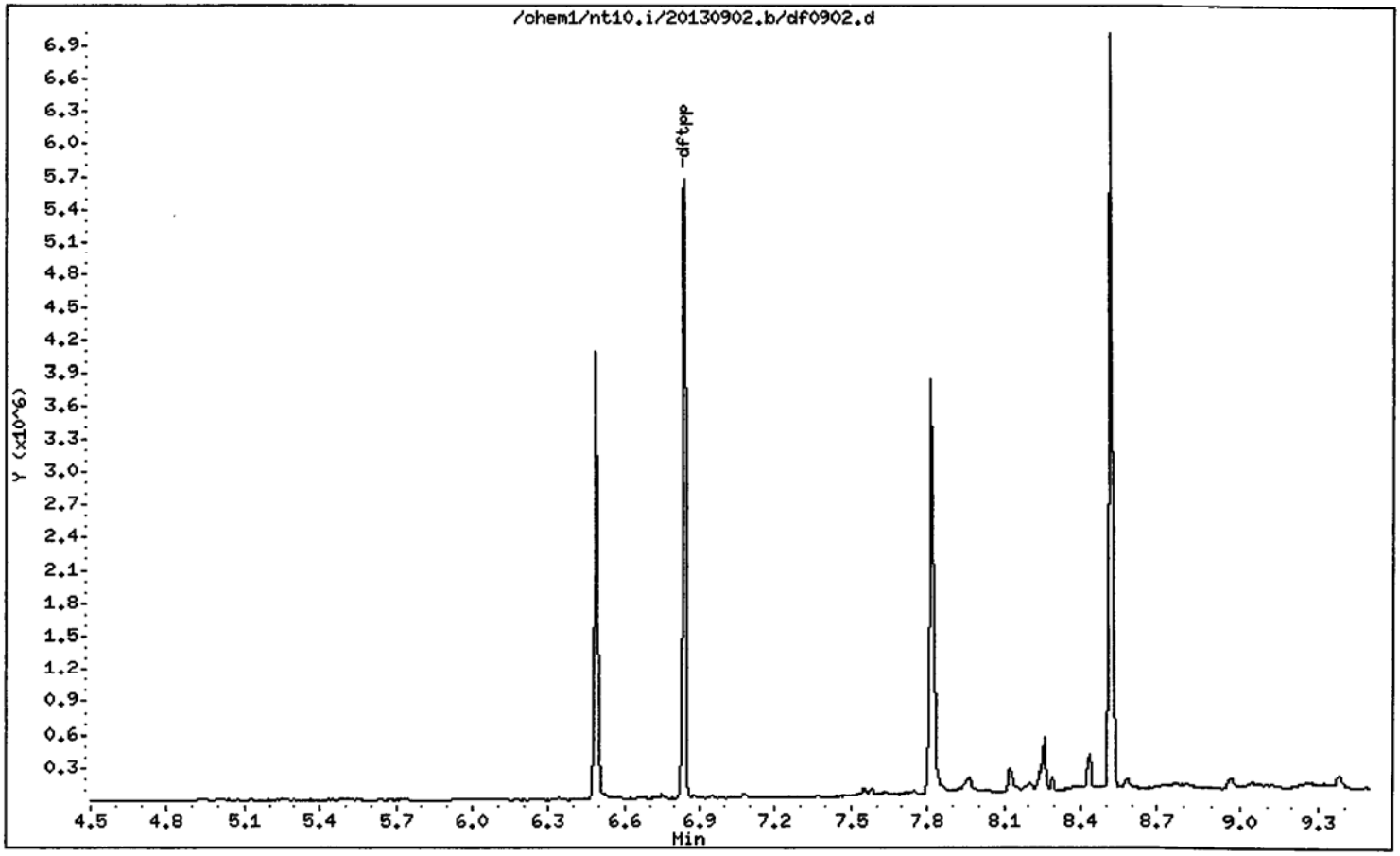
Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



Data File: /chem1/nt10.i/20130902.b/df0902.d

Date : 02-SEP-2013 11:33

Client ID: DFTPP

Instrument: nt10.i

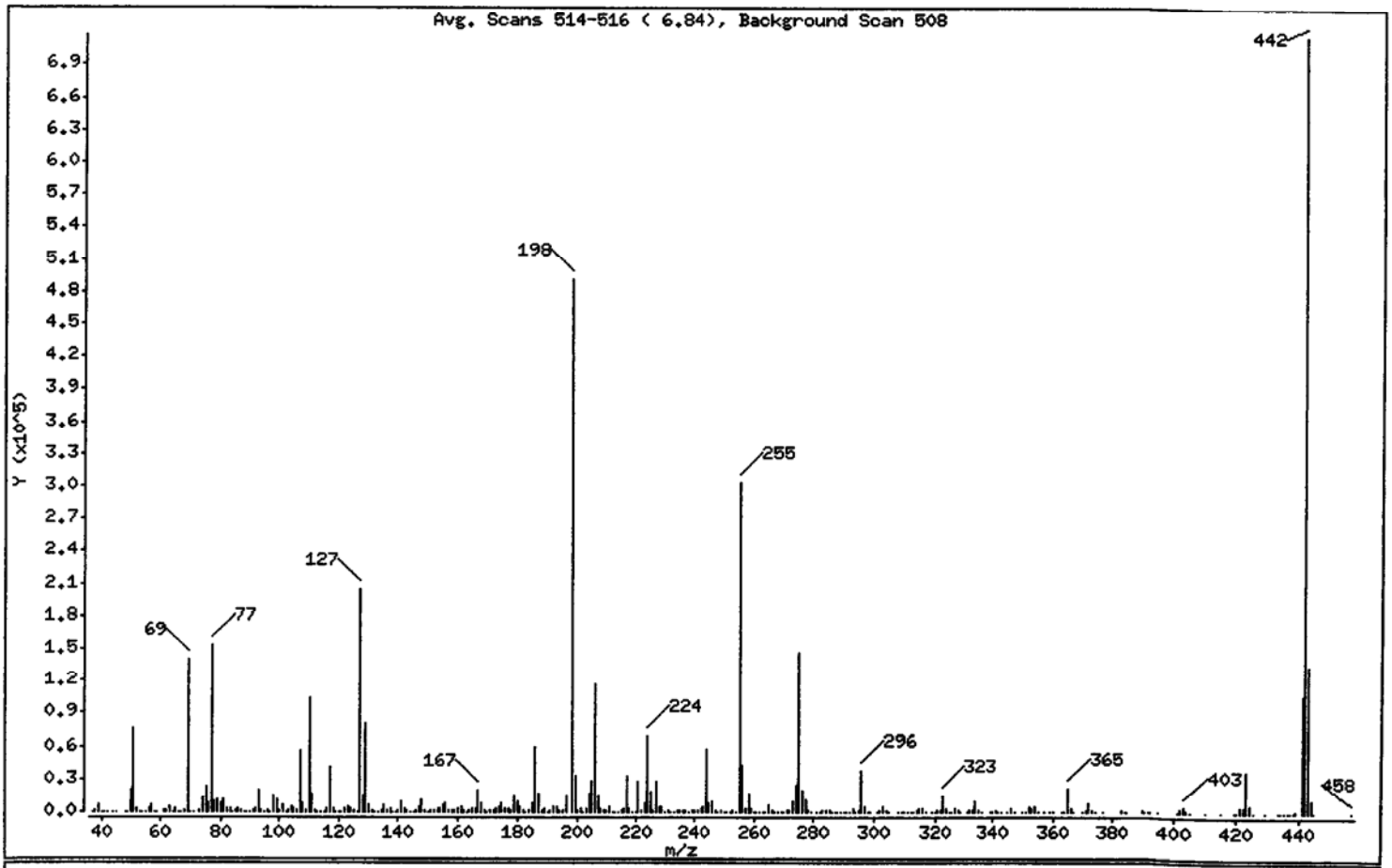
Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	15.55
68	Less than 2.00% of mass 69	0.49 (1.70)
69	Mass 69 relative abundance	28.66
70	Less than 2.00% of mass 69	0.11 (0.39)
127	10.00 - 80.00% of mass 198	41.79
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 60.00% of mass 198	30.06
365	Greater than 1.00% of mass 198	4.24
441	0.01 - 24.00% of mass 442	21.70 (14.85)
442	50.00 - 200.00% of mass 198	146.14
443	15.00 - 24.00% of mass 442	27.44 (18.77)

Data File: /chem1/nt10.i/20130902.b/df0902.d

Date : 02-SEP-2013 11:33

Client ID: DFTPP

Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: df0902.d

Spectrum: Avg. Scans 514-516 (6.84), Background Scan 508

Location of Maximum: 442.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	316	131.00	1443	221.00	28672	314.00	2062
38.00	1302	132.00	717	222.00	2294	315.00	4101
39.00	5821	133.00	225	223.00	7430	316.00	2587
40.00	612	134.00	2399	224.00	69376	317.00	580
41.00	191	135.00	6640	225.00	17688	319.00	106
42.00	108	136.00	2410	226.00	1911	320.00	331
44.00	144	137.00	3158	227.00	28016	321.00	1455
45.00	11	138.00	784	228.00	4417	322.00	827
48.00	52	139.00	471	229.00	5709	323.00	14146
49.00	674	140.00	1012	230.00	760	324.00	2592
50.00	20408	141.00	10039	231.00	2449	325.00	306
51.00	76264	142.00	3728	232.00	570	326.00	252
52.00	3834	143.00	2309	233.00	676	327.00	2685
53.00	308	144.00	806	234.00	1650	328.00	1250
54.00	157	145.00	328	235.00	2149	329.00	218
55.00	564	146.00	1751	236.00	1639	331.00	143
56.00	3124	147.00	5192	237.00	2221	332.00	1115
57.00	6939	148.00	11361	238.00	323	333.00	1326
58.00	371	149.00	1841	239.00	1082	334.00	9353
59.00	28	150.00	670	240.00	975	335.00	2424
61.00	1747	151.00	1089	241.00	1832	336.00	214
62.00	1783	152.00	936	242.00	4013	339.00	174
63.00	5539	153.00	3470	243.00	4353	340.00	299
64.00	816	154.00	2635	244.00	57904	341.00	2035
65.00	2870	155.00	6471	245.00	8336	342.00	479
66.00	264	156.00	8595	246.00	9688	343.00	77
67.00	400	157.00	2013	247.00	2265	345.00	68
68.00	2390	158.00	2040	248.00	587	346.00	3026
69.00	140608	159.00	1467	249.00	2348	347.00	517
70.00	555	160.00	3336	250.00	449	350.00	190
71.00	390	161.00	4237	251.00	688	351.00	338
73.00	1074	162.00	1513	252.00	727	352.00	4777
74.00	13897	163.00	327	253.00	1517	353.00	3205
75.00	23016	164.00	868	254.00	612	354.00	4723
76.00	7543	165.00	3703	255.00	302912	355.00	818

Data File: df0902.d

Spectrum: Avg. Scans 514-516 (6.84), Background Scan 508

Location of Maximum: 442.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	153088	166.00	3165	256.00	43384	357.00	109
78.00	10384	167.00	19056	257.00	3369	359.00	416
79.00	10829	168.00	7979	258.00	16280	360.00	62
80.00	8509	169.00	1753	259.00	2618	363.00	93
81.00	11927	170.00	712	260.00	583	364.00	309
82.00	3056	171.00	848	261.00	647	365.00	20784
83.00	2489	172.00	2096	262.00	176	366.00	2838
84.00	240	173.00	2772	263.00	64	367.00	126
85.00	1856	174.00	4660	264.00	245	370.00	634
86.00	3449	175.00	8275	265.00	6770	371.00	1183
87.00	1782	176.00	2486	266.00	832	372.00	8551
88.00	534	177.00	3932	267.00	358	373.00	2232
89.00	256	178.00	1567	268.00	330	374.00	270
90.00	63	179.00	15377	269.00	133	377.00	93
91.00	2398	180.00	10363	270.00	335	383.00	2427
92.00	3345	181.00	5165	271.00	1392	384.00	597
93.00	19464	182.00	868	272.00	1172	385.00	70
94.00	1518	183.00	494	273.00	10324	390.00	1473
95.00	157	184.00	1359	274.00	25464	391.00	662
96.00	971	185.00	7930	275.00	147456	392.00	704
97.00	135	186.00	60008	276.00	19520	393.00	106
98.00	14450	187.00	16912	277.00	10942	395.00	112
99.00	11182	188.00	1445	278.00	1788	401.00	597
100.00	1219	189.00	3754	279.00	432	402.00	3494
101.00	7267	190.00	749	281.00	184	403.00	5159
102.00	381	191.00	2006	282.00	463	404.00	1885
103.00	2318	192.00	4825	283.00	1532	405.00	169
104.00	4715	193.00	5293	284.00	1002	410.00	243
105.00	4098	194.00	1528	285.00	2099	415.00	297
106.00	1686	195.00	1270	286.00	293	419.00	58
107.00	55488	196.00	15083	287.00	61	420.00	122
108.00	8157	198.00	490560	288.00	161	421.00	4931
109.00	1858	199.00	33344	289.00	556	422.00	4341
110.00	103568	200.00	2341	290.00	547	423.00	37600
111.00	15685	201.00	2812	291.00	426	424.00	6645

Data File: /chem1/nt10.i/20130902.b/df0902.d

Date : 02-SEP-2013 11:33

Client ID: DFTPP

Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: df0902.d

Spectrum: Avg. Scans 514-516 (6.84), Background Scan 508

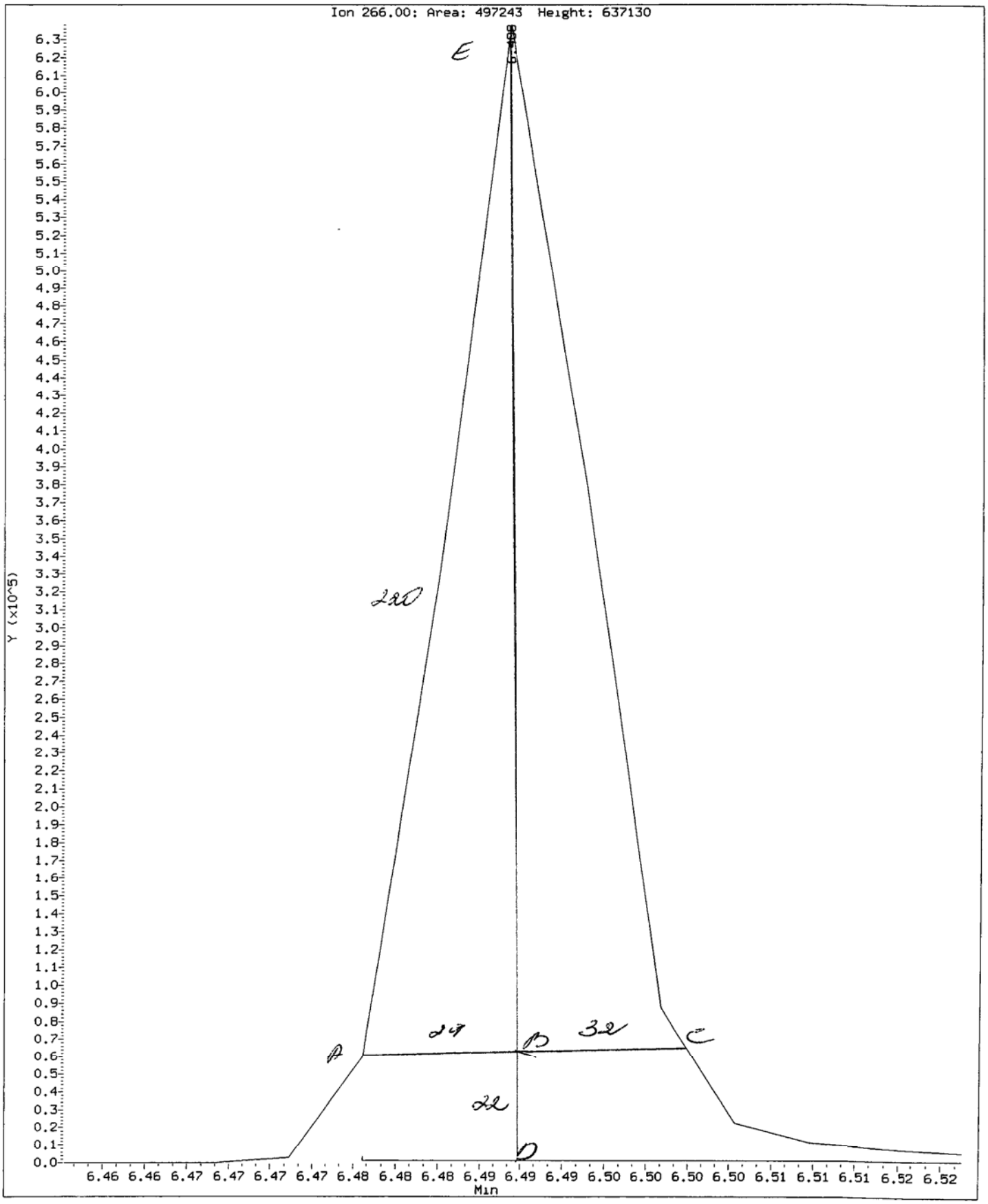
Location of Maximum: 442.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	2037	202.00	134	292.00	637	425.00	616
113.00	678	203.00	3538	293.00	2716	429.00	131
114.00	201	204.00	16184	294.00	789	433.00	53
115.00	546	205.00	28336	295.00	857	434.00	373
116.00	3377	206.00	117800	296.00	37304	435.00	169
117.00	40608	207.00	14723	297.00	5474	436.00	468
118.00	2873	208.00	3745	298.00	391	437.00	810
119.00	455	209.00	1418	299.00	197	438.00	572
120.00	596	210.00	2160	301.00	592	439.00	2460
121.00	226	211.00	4763	302.00	902	441.00	106472
122.00	3709	212.00	581	303.00	4433	442.00	716928
123.00	5450	213.00	449	304.00	1241	443.00	134592
124.00	2777	214.00	197	305.00	189	444.00	12327
125.00	2336	215.00	1273	308.00	755	445.00	752
126.00	142	216.00	2555	309.00	462	458.00	73
127.00	204992	217.00	32256	310.00	735		
128.00	15263	218.00	3936	311.00	179		
129.00	81072	219.00	579	312.00	153		
130.00	6826	220.00	229	313.00	525		

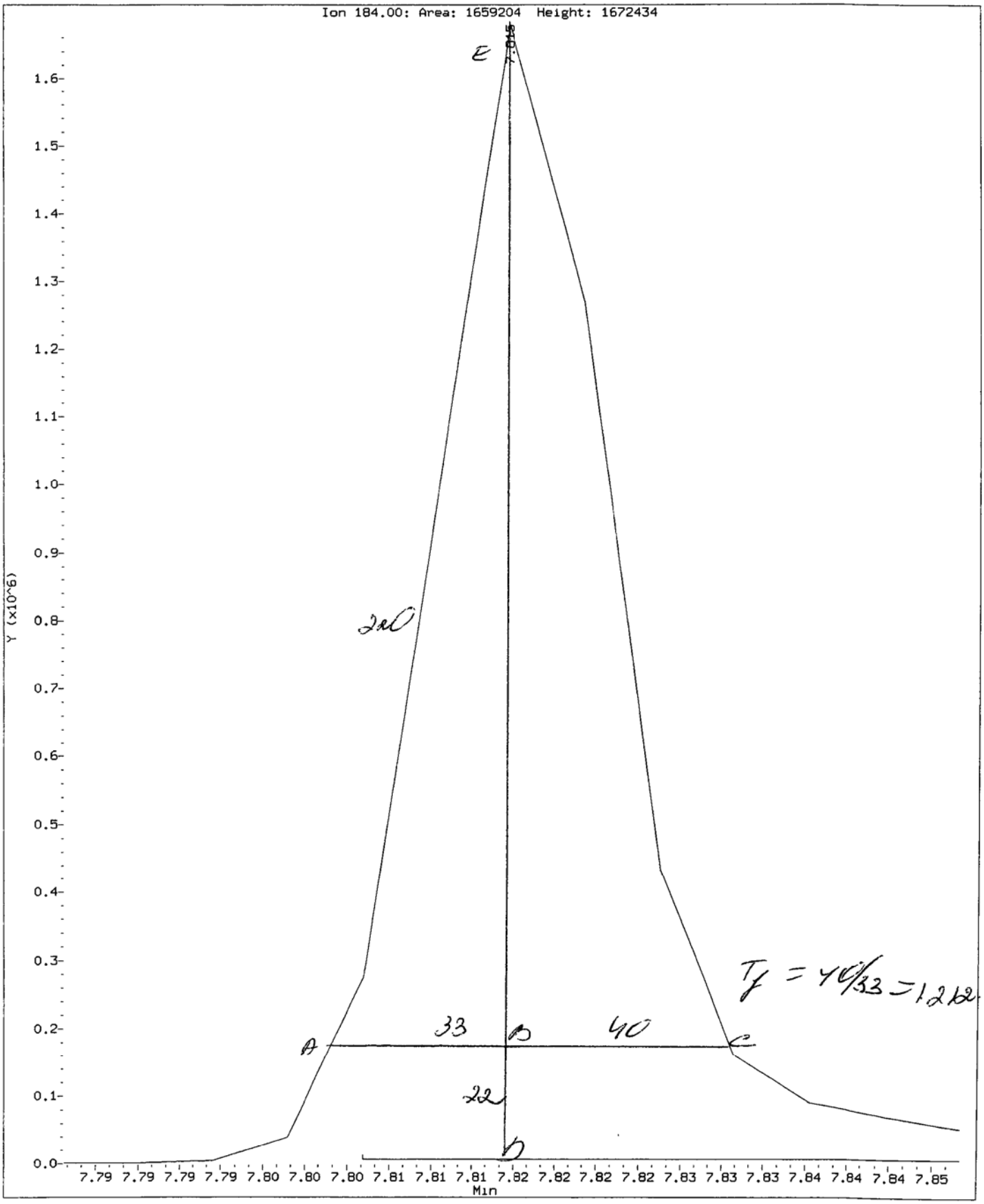
Data File: /chem1/nt10.i/20130902.b/ddt.b/df0902.d
Injection Date: 02-SEP-2013 11:33
Instrument: nt10.i
Client Sample ID: DFTPP

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt10.i/20130902.b/ddt.b/df0902.d
Injection Date: 02-SEP-2013 11:33
Instrument: nt10.i
Client Sample ID: DFTPP

Compound: Benzidine
CAS Number:



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt10.i/20130902.b/ddt.b/df0902.d ARI ID: DFTPP
Method: /chem1/nt10.i/20130902.b/ddt.b/sw846ddt.m Misc: 11-
Analysis Date: 02-SEP-2013 11:33 Instrument: nt10.i

COMPOUND	RT	AREA
Pentachlorophenol	6.488	497243
Benzidine	7.815	1659204
4,4'-DDE	7.965	6619
4,4'-DDD	8.259	87106
4,4'-DDT	8.521	1274250

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 6619 + 87106) * 100}{(\ 6619 + 87106 + 1274250)}$$

DDT Percent Breakdown = 6.9 %

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt10.i Injection Date: 02-SEP-2013 12:58
Lab File ID: cc0902b.d Init. Cal. Date(s): 23-AUG-2013 23-AUG-2013
Analysis Type: Init. Cal. Times: 16:04 20:56
Lab Sample ID: CC0902B Quant Type: ISTD
Method: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m

COMPOUND	RRF / AMOUNT	RF1	CCAL RRF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 2-Fluorophenol	1.22488	1.24156	1.24156	0.010	1.36241	20.00000	Averaged	
3 Phenol	1.39692	1.40633	1.40633	0.010	0.67406	20.00000	Averaged	
7 1,3-Dichlorobenzene	1.38487	1.36277	1.36277	0.010	-1.59615	20.00000	Averaged	
9 1,4-Dichlorobenzene	1.35385	1.29583	1.29583	0.010	-4.28570	20.00000	Averaged	
11 Benzyl alcohol	0.71950	0.77599	0.77599	0.010	7.85165	20.00000	Averaged	
12 1,2-Dichlorobenzene	1.29100	1.25336	1.25336	0.010	-2.91569	20.00000	Averaged	
13 2-Methylphenol	1.13806	1.20370	1.20370	0.010	5.76725	20.00000	Averaged	
15 4-Methylphenol	1.16671	1.23240	1.23240	0.010	5.63021	20.00000	Averaged	
16 N-Nitroso-di-n-propylamine	0.64415	0.64838	0.64838	0.050	0.65657	20.00000	Averaged	
22 2,4-Dimethylphenol	0.34042	0.33667	0.33667	0.010	-1.10230	20.00000	Averaged	
26 1,2,4-Trichlorobenzene	0.34819	0.34919	0.34919	0.010	0.28762	20.00000	Averaged	
30 Hexachlorobutadiene	0.20445	0.19655	0.19655	0.010	-3.86697	20.00000	Averaged	
39 Dimethylphthalate	1.17998	1.24106	1.24106	0.010	5.17583	20.00000	Averaged	
50 Diethylphthalate	1.43059	1.38050	1.38050	0.010	-3.50140	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.41412	0.43916	0.43916	0.010	6.04868	20.00000	Averaged	
57 Hexachlorobenzene	0.27572	0.27393	0.27393	0.010	-0.65144	20.00000	Averaged	
58 Pentachlorophenol	0.90467	2.00000	0.07163	0.005	-54.76632	20.00000	Quadratic	<-
$ 66 Terphenyl-d14	0.41476	0.44070	0.44070	0.010	6.25267	20.00000	Averaged	
67 Butylbenzylphthalate	0.40058	0.43827	0.43827	0.010	9.40973	20.00000	Averaged	
79 Dibenzo(a,h)anthracene	0.96430	0.96290	0.96290	0.010	-0.14482	20.00000	Averaged	
90 N-Nitrosodimethylamine	0.54630	0.56414	0.56414	0.010	3.26607	20.00000	Averaged	

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/cc0902b.d
Lab Smp Id: CC0902B
Inj Date : 02-SEP-2013 12:58
Operator : YZ Inst ID: nt10.i
Smp Info : CC0902B
Misc Info :
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 11:25 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

YZ 9/9/13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.102	6.102	(0.725)	67917	1.00000	1.014
	3 Phenol	94	7.756	7.756	(0.922)	76931	1.00000	1.007
	7 1,3-Dichlorobenzene	146	8.297	8.297	(0.986)	74548	1.00000	0.9840
*	8 1,4-Dichlorobenzene-d4	152	8.413	8.413	(1.000)	218814	4.00000	
	9 1,4-Dichlorobenzene	146	8.444	8.444	(1.004)	70886	1.00000	0.9571
	11 Benzyl alcohol	79	8.677	8.677	(1.031)	42449	1.00000	1.079
	12 1,2-Dichlorobenzene	146	8.724	8.724	(1.037)	68563	1.00000	0.9708
	13 2-Methylphenol	108	8.887	8.887	(1.056)	65846	1.00000	1.058
	15 4-Methylphenol	108	9.182	9.182	(1.091)	67416	1.00000	1.056
	16 N-Nitroso-di-n-propylamine	70	9.174	9.174	(1.090)	35468	1.00000	1.007
	22 2,4-Dimethylphenol	107	10.219	10.219	(0.940)	131631	2.00000	1.978
	26 1,2,4-Trichlorobenzene	180	10.766	10.766	(0.990)	68263	1.00000	1.003
*	27 Naphthalene-d8	136	10.874	10.874	(1.000)	781966	4.00000	
	30 Hexachlorobutadiene	225	11.176	11.176	(1.028)	38423	1.00000	0.9613
	39 Dimethylphthalate	163	13.939	13.939	(0.964)	130265	1.00000	1.052
*	42 Acenaphthene-d10	162	14.457	14.457	(1.000)	419854	4.00000	
	50 Diethylphthalate	149	15.408	15.408	(1.066)	144902	1.00000	0.9650
	54 N-Nitrosodiphenylamine	169	15.864	15.864	(0.905)	101028	1.00000	1.060
	57 Hexachlorobenzene	284	16.720	16.720	(0.954)	63016	1.00000	0.9935
	58 Pentachlorophenol	266	17.146	17.146	(0.978)	32958	2.00000	0.9047
*	59 Phenanthrene-d10	188	17.525	17.525	(1.000)	920186	4.00000	
$	66 Terphenyl-d14	244	20.759	20.759	(0.916)	100294	1.00000	1.063
	67 Butylbenzylphthalate	149	21.696	21.696	(0.958)	99741	1.00000	1.094
*	69 Chrysene-d12	240	22.656	22.656	(1.000)	910324	4.00000	
*	77 Perylene-d12	264	25.072	25.072	(1.000)	961718	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.296	27.296	(1.089)	231509	1.00000	0.9986
	90 N-Nitrosodimethylamine	74	3.932	3.932	(0.467)	61721	2.00000	2.065

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: cc0902b.d
Lab Smp Id: CC0902B
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	218814	36.32
27 Naphthalene-d8	576038	288019	1152076	781966	35.75
42 Acenaphthene-d10	314384	157192	628768	419854	33.55
59 Phenanthrene-d10	686356	343178	1372712	920186	34.07
69 Chrysene-d12	741751	370876	1483502	910324	22.73
77 Perylene-d12	800926	400463	1601852	961718	20.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.41	0.00
27 Naphthalene-d8	10.87	10.37	11.37	10.87	0.00
42 Acenaphthene-d10	14.46	13.96	14.96	14.46	0.00
59 Phenanthrene-d10	17.53	17.03	18.03	17.53	0.00
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.07	0.00

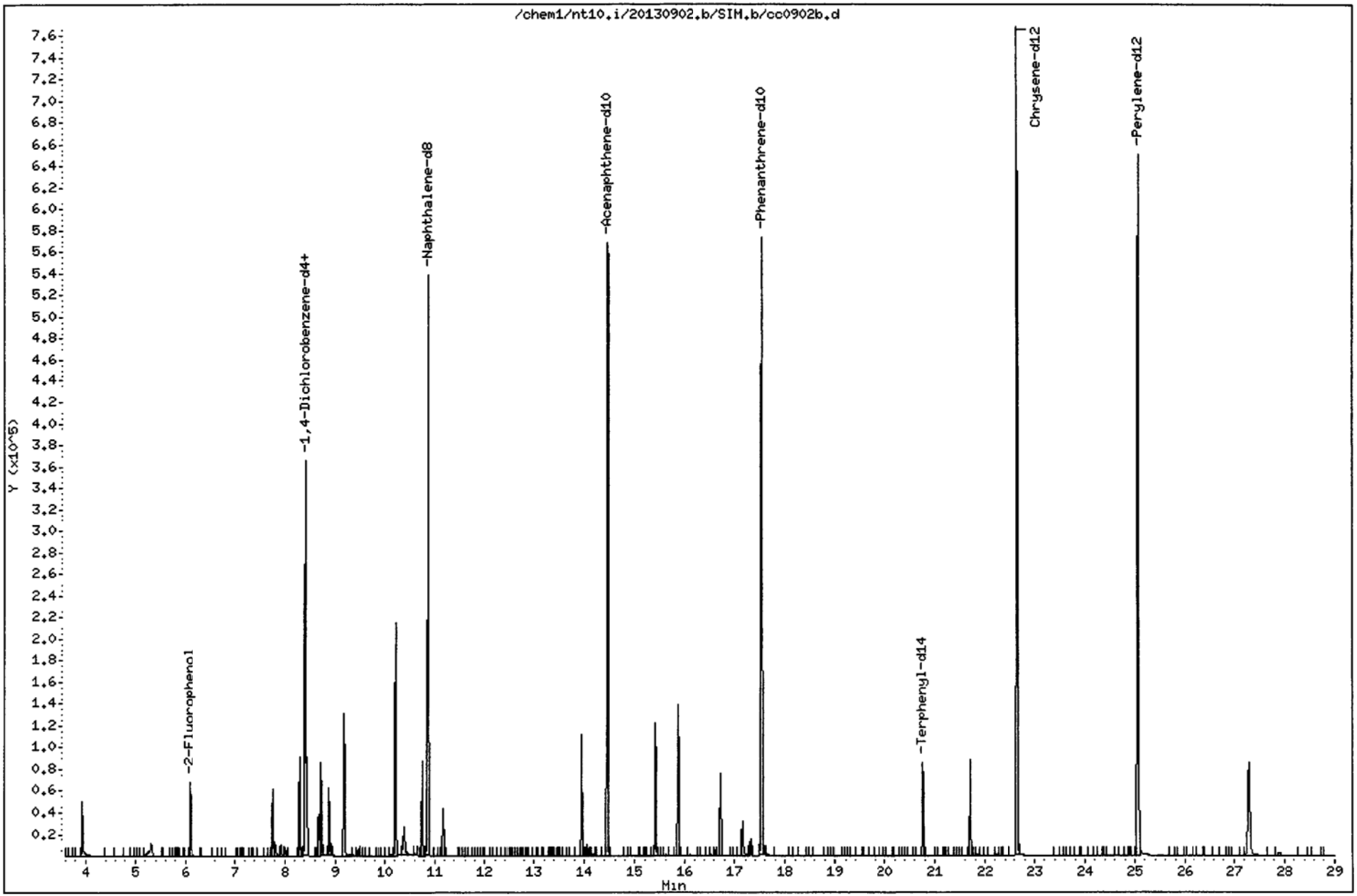
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130902.b/SIM.b/cc0902b.d
Date : 02-SEP-2013 12:58
Client ID:
Sample Info: CC0902B

Instrument: nt10.i

Operator: YZ
Column diameter: 0.25

Column phase: ZB-5msi



CO-ELUTION SUMMARY FOR FILE - cc0902b.d

Lab ID: CC0902B, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc. YZ 9/9/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89sbd.d
Lab Smp Id: XB89LCSDS1 Client Smp ID: XB89LCSDS1
Inj Date : 02-SEP-2013 14:09
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89LCSDS1
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:36 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	6.110	6.102	(0.726)	253414	6.50883	650.9
	3 Phenol	94	7.764	7.756	(0.923)	177380	3.99483	399.5
	7 1,3-Dichlorobenzene	146	8.305	8.297	(0.987)	150586	3.42089	342.1
*	8 1,4-Dichlorobenzene-d4	152	8.414	8.413	(1.000)	127144	4.00000	
	9 1,4-Dichlorobenzene	146	8.445	8.444	(1.004)	147495	3.42745	342.7
	11 Benzyl alcohol	79	8.685	8.677	(1.032)	88429	3.86660	386.7
	12 1,2-Dichlorobenzene	146	8.724	8.724	(1.037)	144666	3.52536	352.5
	13 2-Methylphenol	108	8.887	8.887	(1.056)	124802	3.45000	345.0
	15 4-Methylphenol	108	9.190	9.182	(1.092)	270728	7.30019	730.0
	16 N-Nitroso-di-n-propylamine	70	9.182	9.174	(1.091)	75495	3.68721	368.7
	22 2,4-Dimethylphenol	107	10.227	10.219	(0.940)	335985	8.64713	864.7
	26 1,2,4-Trichlorobenzene	180	10.766	10.766	(0.989)	143375	3.60767	360.8
*	27 Naphthalene-d8	136	10.882	10.874	(1.000)	456555	4.00000	
	30 Hexachlorobutadiene	225	11.184	11.176	(1.028)	83606	3.58267	358.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	39 Dimethylphthalate	163	13.947	13.939	(0.964)	321494	4.44929	444.9
*	42 Acenaphthene-d10	162	14.465	14.457	(1.000)	244944	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.066)	403579	4.60689	460.7
	54 N-Nitrosodiphenylamine	169	15.864	15.864	(0.905)	199196	3.75474	375.5
	57 Hexachlorobenzene	284	16.720	16.720	(0.954)	145849	4.12905	412.9
	58 Pentachlorophenol	266	17.146	17.146	(0.978)	187073	8.47133	847.1
*	59 Phenanthrene-d10	188	17.533	17.525	(1.000)	512435	4.00000	
$	66 Terphenyl-d14	244	20.759	20.759	(0.916)	237856	4.41955	442.0
	67 Butylbenzylphthalate	149	21.696	21.696	(0.958)	265884	5.11529	511.5
*	69 Chrysene-d12	240	22.656	22.656	(1.000)	519036	4.00000	
*	77 Perylene-d12	264	25.072	25.072	(1.000)	564983	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.297	27.296	(1.089)	427994	3.14233	314.2
	90 N-Nitrosodimethylamine	74	3.948	3.932	(0.469)	184921	10.6493	1065

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89sbd.d
Lab Smp Id: XB89LCSDS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: XB89LCSDS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	127144	-20.79
27 Naphthalene-d8	576038	288019	1152076	456555	-20.74
42 Acenaphthene-d10	314384	157192	628768	244944	-22.09
59 Phenanthrene-d10	686356	343178	1372712	512435	-25.34
69 Chrysene-d12	741751	370876	1483502	519036	-30.03
77 Perylene-d12	800926	400463	1601852	564983	-29.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.41	0.00
27 Naphthalene-d8	10.87	10.37	11.37	10.88	0.07
42 Acenaphthene-d10	14.46	13.96	14.96	14.46	0.06
59 Phenanthrene-d10	17.53	17.03	18.03	17.53	0.05
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

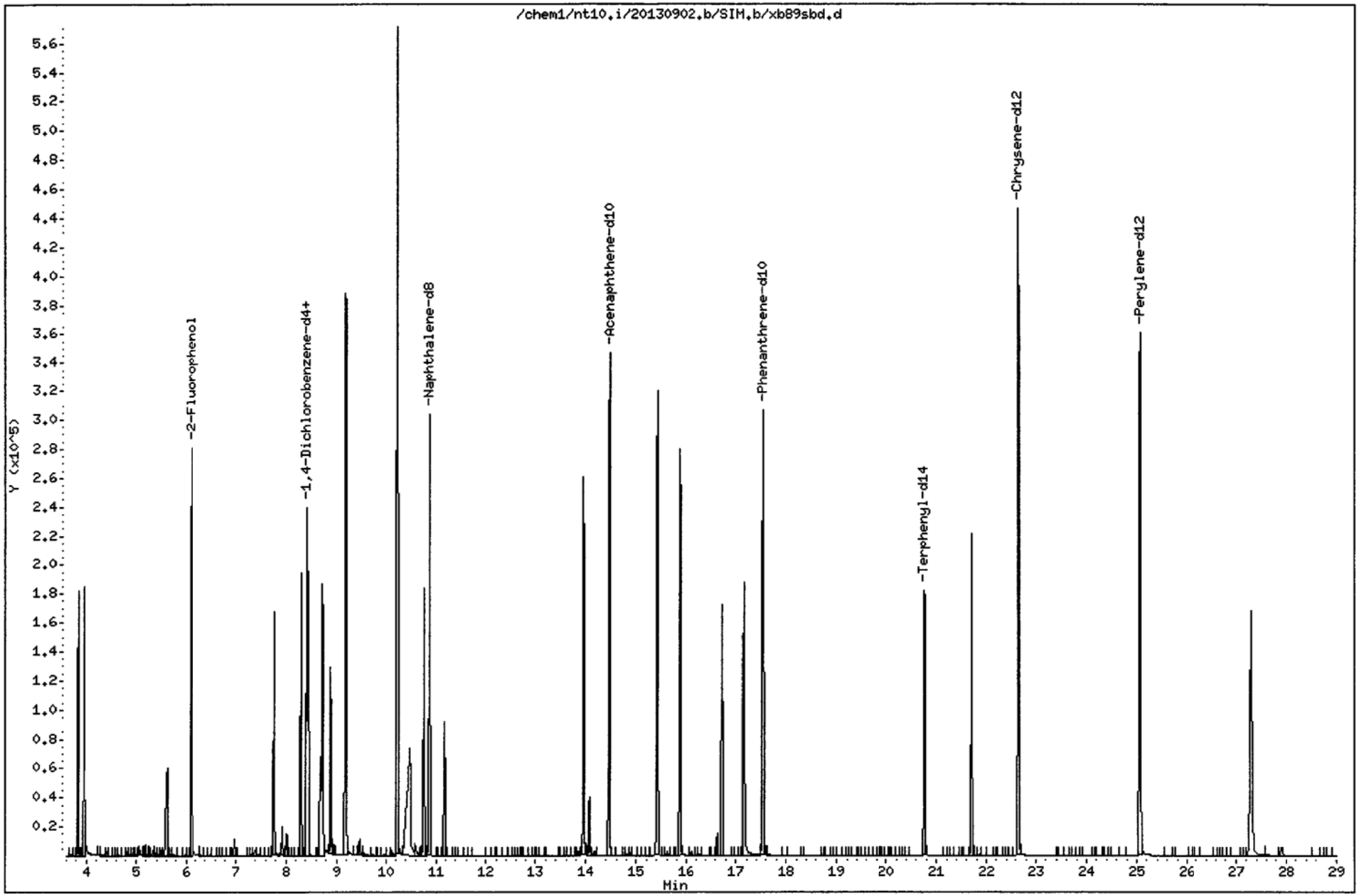
Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89LCSDS1 Client Smp ID: XB89LCSDS1
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: LCSD
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	500.0	399.5	79.90	30-160
7	1,3-Dichlorobenzen	500.0	342.1	68.42	30-120
9	1,4-Dichlorobenzen	500.0	342.7	68.55	36-120
11	Benzyl alcohol	1000	386.7	38.67	25-123
12	1,2-Dichlorobenzen	500.0	352.5	70.51	36-120
13	2-Methylphenol	500.0	345.0	69.00	26-120
15	4-Methylphenol	1000	730.0	73.00	30-160
16	N-Nitroso-di-n-pro	500.0	368.7	73.74	30-160
22	2,4-Dimethylphenol	1000	864.7	86.47	10-120
26	1,2,4-Trichloroben	500.0	360.8	72.15	35-120
30	Hexachlorobutadien	500.0	358.3	71.65	34-120
39	Dimethylphthalate	500.0	444.9	88.99	38-120
50	Diethylphthalate	500.0	460.7	92.14	55-120
54	N-Nitrosodiphenyla	500.0	375.5	75.09	36-120
57	Hexachlorobenzene	500.0	412.9	82.58	32-120
58	Pentachlorophenol	1000	847.1	84.71	26-120
67	Butylbenzylphthala	500.0	511.5	102.31	32-142
79	Dibenzo(a,h)anthra	500.0	314.2	62.85	28-125
90	N-Nitrosodimethyla	1000	1065	106.49	30-160

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	750.0	650.9	86.78	27-120
$ 66	Terphenyl-d14	500.0	442.0	88.39	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89sbd.d
Date : 02-SEP-2013 14:09
Client ID: XB89LCSDS1
Sample Info: XB89LCSDS1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



CO-ELUTION SUMMARY FOR FILE - xb89sbd.d

Lab ID: XB89LCSDS1, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

SIM SVOA Co-Scan Matrix Spike-sm101ms
Data By: Yev Zenick
Created: 9/ 9/13

Worklist: 5911
Analyst: YZ
Comments:

1. XB89D MS Sediment 13-17439 IJ13-VC-101-2-3.9

Method: 8270D-SIM
Ext Date: 8/26/13
Ext Meth: SW3546-Microwave
Instrument: NT10

Sample Amt: 10.16 g-dry-wt
EFV (mL): 1.00
Dilution: 1.0
Date/Time: 9/ 2/13 17:40

Surrogate	On Col (ug/mL)	Spiked (ug/mL)	LCL-UCL (%)	Rec (%)	Q
2-Fluorophenol	6.00	7.50	27-120	80.0	
d14-p-Terphenyl	4.30	5.00	37-120	86.0	

Analyte	On Col (ug/mL)	MDL (ug/kg)	RL (ug/kg)	Final (ug/kg)	Q
1,4-Dichlorobenzene	3.577	1.880	4.921	352.	
1,2-Dichlorobenzene	3.745	1.299	4.921	369.	
2-Methylphenol	5.153	1.890	4.921	507.	E
2,4-Dimethylphenol	14.76	10.04	24.61	1450	E
1,2,4-Trichlorobenzene	3.828	1.486	4.921	377.	
Hexachlorobutadiene	3.734	1.398	4.921	368.	
Dimethylphthalate	5.966	1.191	4.921	587.	E
Diethylphthalate	4.515	19.59	19.68	444.	B
N-Nitrosodiphenylamine	5.515	2.274	4.921	543.	E
Hexachlorobenzene	4.532	2.077	4.921	446.	
Pentachlorophenol	6.764	10.24	19.68	666.	Q
Butylbenzylphthalate	5.647	2.146	4.921	556.	E
Dibenz(a,h)anthracene	2.317	1.358	4.921	228.	

Analytical Resources, Inc.

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89dms.d
Lab Smp Id: XB89DMS Client Smp ID: IJ13-VC-101-2-3 MS
Inj Date : 02-SEP-2013 17:40
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89DMS
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:36 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	16.13000	Weight of sample extracted (g)
M	37.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	6.311	6.102	(0.749)	203172	6.00239	590.7(H)
	3 Phenol	94	7.872	7.756	(0.935)	222495	5.76371	567.2
	7 1,3-Dichlorobenzene	146	8.313	8.297	(0.987)	134506	3.51467	345.9
*	8 1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	110537	4.00000	
	9 1,4-Dichlorobenzene	146	8.452	8.444	(1.004)	133841	3.57743	352.0
	11 Benzyl alcohol	79	8.755	8.677	(1.040)	95348	4.79550	471.9(H)
	12 1,2-Dichlorobenzene	146	8.739	8.724	(1.038)	133618	3.74534	368.6
	13 2-Methylphenol	108	8.965	8.887	(1.065)	162049	5.15266	507.1(H)
	15 4-Methylphenol	108	9.267	9.182	(1.100)	448840	13.9213	1370(H)
	16 N-Nitroso-di-n-propylamine	70	9.244	9.174	(1.098)	91565	5.14395	506.2
	22 2,4-Dimethylphenol	107	10.257	10.219	(0.942)	517359	14.7584	1452(R)
	26 1,2,4-Trichlorobenzene	180	10.774	10.766	(0.989)	137244	3.82773	376.7
*	27 Naphthalene-d8	136	10.890	10.874	(1.000)	411906	4.00000	
	30 Hexachlorobutadiene	225	11.184	11.176	(1.027)	78623	3.73434	367.5
	39 Dimethylphthalate	163	13.962	13.939	(0.965)	401503	5.96629	587.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.465	14.457	(1.000)	228123	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.066)	368353	4.51483	444.3
	54 N-Nitrosodiphenylamine	169	15.879	15.864	(0.906)	255674	5.51509	542.7
	57 Hexachlorobenzene	284	16.728	16.720	(0.954)	139874	4.53158	445.9
	58 Pentachlorophenol	266	17.162	17.146	(0.979)	127794	6.76425	665.6
*	59 Phenanthrene-d10	188	17.533	17.525	(1.000)	447788	4.00000	
$	66 Terphenyl-d14	244	20.752	20.759	(0.916)	199285	4.29741	422.9
	67 Butylbenzylphthalate	149	21.688	21.696	(0.958)	252907	5.64687	555.7
*	69 Chrysene-d12	240	22.649	22.656	(1.000)	447228	4.00000	
*	77 Perylene-d12	264	25.080	25.072	(1.000)	479787	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.312	27.296	(1.089)	267948	2.31660	228.0
	90 N-Nitrosodimethylamine	74	3.956	3.932	(0.470)	193060	12.7884	1258

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89dms.d
Lab Smp Id: XB89DMS
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-VC-101-2-3
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	110537	-31.14
27 Naphthalene-d8	576038	288019	1152076	411906	-28.49
42 Acenaphthene-d10	314384	157192	628768	228123	-27.44
59 Phenanthrene-d10	686356	343178	1372712	447788	-34.76
69 Chrysene-d12	741751	370876	1483502	447228	-39.71
77 Perylene-d12	800926	400463	1601852	479787	-40.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.09
27 Naphthalene-d8	10.87	10.37	11.37	10.89	0.14
42 Acenaphthene-d10	14.46	13.96	14.96	14.46	0.05
59 Phenanthrene-d10	17.53	17.03	18.03	17.53	0.04
69 Chrysene-d12	22.66	22.16	23.16	22.65	-0.03
77 Perylene-d12	25.07	24.57	25.57	25.08	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor QEA
Sample Matrix: SOLID
Lab Smp Id: XB89DMS
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

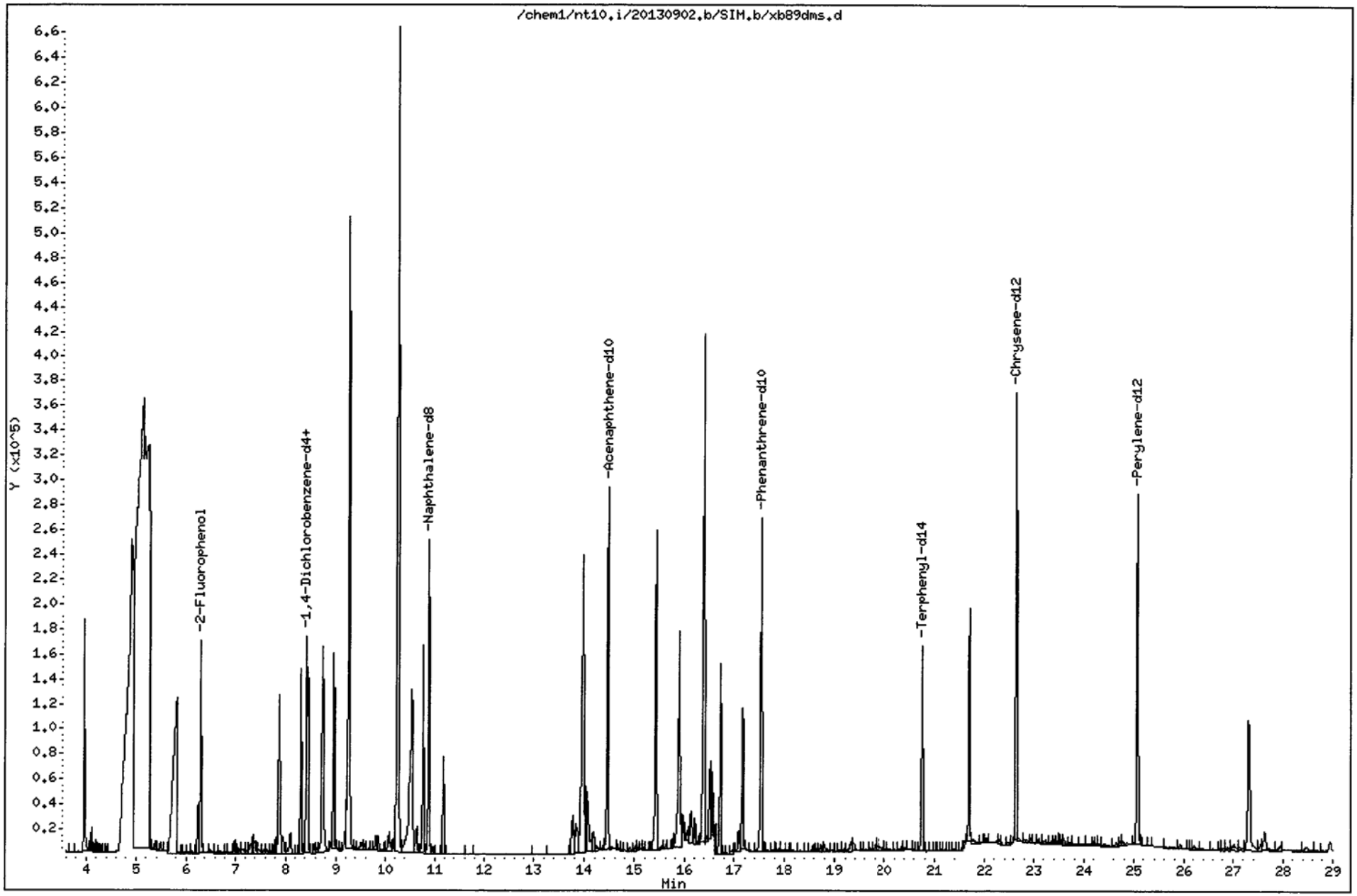
Client SDG: XB89
Fraction: SV
Client Smp ID: IJ13-VC-101-2-3 MS
Operator: VTS/YZ
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	492.0	567.2	115.27	30-160
7	1,3-Dichlorobenzen	492.0	345.9	70.29	30-120
9	1,4-Dichlorobenzen	492.0	352.0	71.55	36-120
11	Benzyl alcohol	984.1	471.9	47.95	25-123
12	1,2-Dichlorobenzen	492.0	368.6	74.91	36-120
13	2-Methylphenol	492.0	507.1	103.05	26-120
15	4-Methylphenol	984.1	1370	139.21	30-160
16	N-Nitroso-di-n-pro	492.0	506.2	102.88	30-160
22	2,4-Dimethylphenol	984.1	1452	147.58*	10-120
26	1,2,4-Trichloroben	492.0	376.7	76.55	35-120
30	Hexachlorobutadien	492.0	367.5	74.69	34-120
39	Dimethylphthalate	492.0	587.1	119.33	38-120
50	Diethylphthalate	492.0	444.3	90.30	55-120
54	N-Nitrosodiphenyla	492.0	542.7	110.30	36-120
57	Hexachlorobenzene	492.0	445.9	90.63	32-120
58	Pentachlorophenol	984.1	665.6	67.64	26-120
67	Butylbenzylphthala	492.0	555.7	112.94	32-142
79	Dibenzo(a,h)anthra	492.0	228.0	46.33	28-125
90	N-Nitrosodimethyla	984.1	1258	127.88	30-160

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	738.1	590.7	80.03	27-120
$ 66	Terphenyl-d14	492.0	422.9	85.95	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89dms.d
Date : 02-SEP-2013 17:40
Client ID: IJ13-VC-101-2-3 MS
Sample Info: XB89DMS
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



CO-ELUTION SUMMARY FOR FILE - xb89dms.d

Lab ID: XB89DMS, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

YZ 9/9/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89dmsd.d
Lab Smp Id: XB89DMSD Client Smp ID: IJ13-VC-101-2-3 MSD
Inj Date : 02-SEP-2013 18:15
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89DMSD
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:36 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	16.10000	Weight of sample extracted (g)
M	37.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	6.295	6.102	(0.748)	192577	5.83074	574.9(H)
	3 Phenol	94	7.864	7.756	(0.934)	228471	6.06558	598.0
	7 1,3-Dichlorobenzene	146	8.313	8.297	(0.987)	138365	3.70534	365.3
*	8 1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	107857	4.00000	
	9 1,4-Dichlorobenzene	146	8.452	8.444	(1.004)	138770	3.80134	374.8
	11 Benzyl alcohol	79	8.747	8.677	(1.039)	112520	5.79978	571.8
	12 1,2-Dichlorobenzene	146	8.732	8.724	(1.037)	136719	3.92748	387.2
	13 2-Methylphenol	108	8.957	8.887	(1.064)	167572	5.46067	538.4
	15 4-Methylphenol	108	9.260	9.182	(1.100)	460188	14.6280	1442
	16 N-Nitroso-di-n-propylamine	70	9.236	9.174	(1.097)	103420	5.95431	587.0
	22 2,4-Dimethylphenol	107	10.250	10.219	(0.942)	521164	15.1477	1493(R)
	26 1,2,4-Trichlorobenzene	180	10.766	10.766	(0.989)	140674	3.99750	394.1
*	27 Naphthalene-d8	136	10.882	10.874	(1.000)	404270	4.00000	
	30 Hexachlorobutadiene	225	11.176	11.176	(1.027)	80427	3.89218	383.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	39 Dimethylphthalate	163	13.946	13.939	(0.965)	412921	6.51524	642.3(R)
*	42 Acenaphthene-d10	162	14.457	14.457	(1.000)	214843	4.00000	
	50 Diethylphthalate	149	15.400	15.408	(1.065)	380454	4.95139	488.2
	54 N-Nitrosodiphenylamine	169	15.864	15.864	(0.906)	266766	5.93531	585.2
	57 Hexachlorobenzene	284	16.713	16.720	(0.954)	141034	4.71284	464.6
	58 Pentachlorophenol	266	17.154	17.146	(0.979)	133782	7.26012	715.8
*	59 Phenanthrene-d10	188	17.517	17.525	(1.000)	434136	4.00000	
$	66 Terphenyl-d14	244	20.744	20.759	(0.916)	197441	4.53263	446.9
	67 Butylbenzylphthalate	149	21.681	21.696	(0.958)	253464	6.02481	594.0
*	69 Chrysene-d12	240	22.641	22.656	(1.000)	420096	4.00000	
*	77 Perylene-d12	264	25.064	25.072	(1.000)	448144	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.304	27.296	(1.089)	257191	2.38061	234.7
	90 N-Nitrosodimethylamine	74	3.963	3.932	(0.471)	188755	12.8139	1263

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89dmsd.d
Lab Smp Id: XB89DMSD
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-VC-101-2-3
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	107857	-32.81
27 Naphthalene-d8	576038	288019	1152076	404270	-29.82
42 Acenaphthene-d10	314384	157192	628768	214843	-31.66
59 Phenanthrene-d10	686356	343178	1372712	434136	-36.75
69 Chrysene-d12	741751	370876	1483502	420096	-43.36
77 Perylene-d12	800926	400463	1601852	448144	-44.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.09
27 Naphthalene-d8	10.87	10.37	11.37	10.88	0.07
42 Acenaphthene-d10	14.46	13.96	14.96	14.46	0.00
59 Phenanthrene-d10	17.53	17.03	18.03	17.52	-0.04
69 Chrysene-d12	22.66	22.16	23.16	22.64	-0.07
77 Perylene-d12	25.07	24.57	25.57	25.06	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor QEA
Sample Matrix: SOLID
Lab Smp Id: XB89DMSD
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

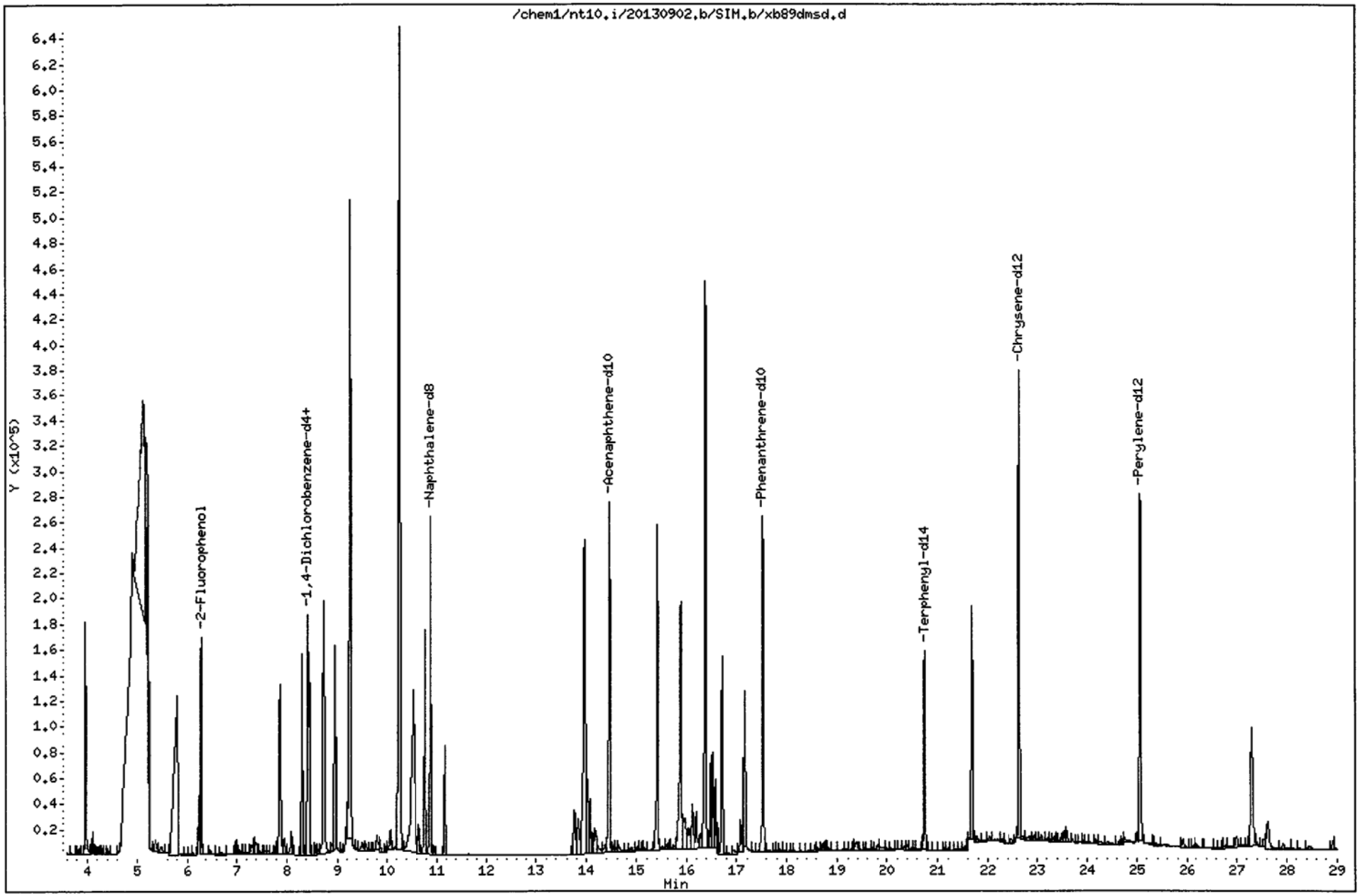
Client SDG: XB89
Fraction: SV
Client Smp ID: IJ13-VC-101-2-3 MSD
Operator: VTS/YZ
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	493.0	598.0	121.31	30-160
7	1,3-Dichlorobenzen	493.0	365.3	74.11	30-120
9	1,4-Dichlorobenzen	493.0	374.8	76.03	36-120
11	Benzyl alcohol	985.9	571.8	58.00	25-123
12	1,2-Dichlorobenzen	493.0	387.2	78.55	36-120
13	2-Methylphenol	493.0	538.4	109.21	26-120
15	4-Methylphenol	985.9	1442	146.28	30-160
16	N-Nitroso-di-n-pro	493.0	587.0	119.09	30-160
22	2,4-Dimethylphenol	985.9	1493	151.48*	10-120
26	1,2,4-Trichloroben	493.0	394.1	79.95	35-120
30	Hexachlorobutadien	493.0	383.7	77.84	34-120
39	Dimethylphthalate	493.0	642.3	130.30*	38-120
50	Diethylphthalate	493.0	488.2	99.03	55-120
54	N-Nitrosodiphenyla	493.0	585.2	118.71	36-120
57	Hexachlorobenzene	493.0	464.6	94.26	32-120
58	Pentachlorophenol	985.9	715.8	72.60	26-120
67	Butylbenzylphthala	493.0	594.0	120.50	32-142
79	Dibenzo(a,h)anthra	493.0	234.7	47.61	28-125
90	N-Nitrosodimethyla	985.9	1263	128.14	30-160

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	739.4	574.9	77.74	27-120
$ 66	Terphenyl-d14	493.0	446.9	90.65	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89dmsd.d
Date : 02-SEP-2013 18:15
Client ID: IJ13-VC-101-2-3 MSD
Sample Info: XB89DMSD
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 00030

CO-ELUTION SUMMARY FOR FILE - xb89dmsd.d

Lab ID: XB89DMSD, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 9/9/13

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89mb.d
Lab Smp Id: XB89MBS1 Client Smp ID: XB89MBS1
Inj Date : 02-SEP-2013 15:54
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89MBS1
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:16 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1	2-Fluorophenol	112	6.118	6.102	(0.726)	278226	6.97377	697.4
	3	Phenol	94	7.771	7.756	(0.923)	5608	0.12325	12.33(R)
	7	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8	1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	130286	4.00000	
	9	1,4-Dichlorobenzene	146	Compound Not Detected.					
	11	Benzyl alcohol	79	Compound Not Detected.					
	12	1,2-Dichlorobenzene	146	Compound Not Detected.					
	13	2-Methylphenol	108	Compound Not Detected.					
	15	4-Methylphenol	108	Compound Not Detected.					
	16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22	2,4-Dimethylphenol	107	Compound Not Detected.					
	26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27	Naphthalene-d8	136	10.882	10.874	(1.000)	479575	4.00000	
	30	Hexachlorobutadiene	225	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	39 Dimethylphthalate	163	Compound Not Detected.					
*	42 Acenaphthene-d10	162	14.472	14.457	(1.000)	250405	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.065)	104863	1.17091	117.1(R)
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.541	17.525	(1.000)	529171	4.00000	
$	66 Terphenyl-d14	244	20.767	20.759	(0.917)	242602	4.79754	479.8
	67 Butylbenzylphthalate	149	Compound Not Detected.					
*	69 Chrysene-d12	240	22.656	22.656	(1.000)	487682	4.00000	
*	77 Perylene-d12	264	25.072	25.072	(1.000)	523139	4.00000	
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89mb.d
Lab Smp Id: XB89MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: XB89MBS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	130286	-18.83
27 Naphthalene-d8	576038	288019	1152076	479575	-16.75
42 Acenaphthene-d10	314384	157192	628768	250405	-20.35
59 Phenanthrene-d10	686356	343178	1372712	529171	-22.90
69 Chrysene-d12	741751	370876	1483502	487682	-34.25
77 Perylene-d12	800926	400463	1601852	523139	-34.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.09
27 Naphthalene-d8	10.87	10.37	11.37	10.88	0.07
42 Acenaphthene-d10	14.46	13.96	14.96	14.47	0.11
59 Phenanthrene-d10	17.53	17.03	18.03	17.54	0.09
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89MBS1 Client Smp ID: XB89MBS1
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: BLANK
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

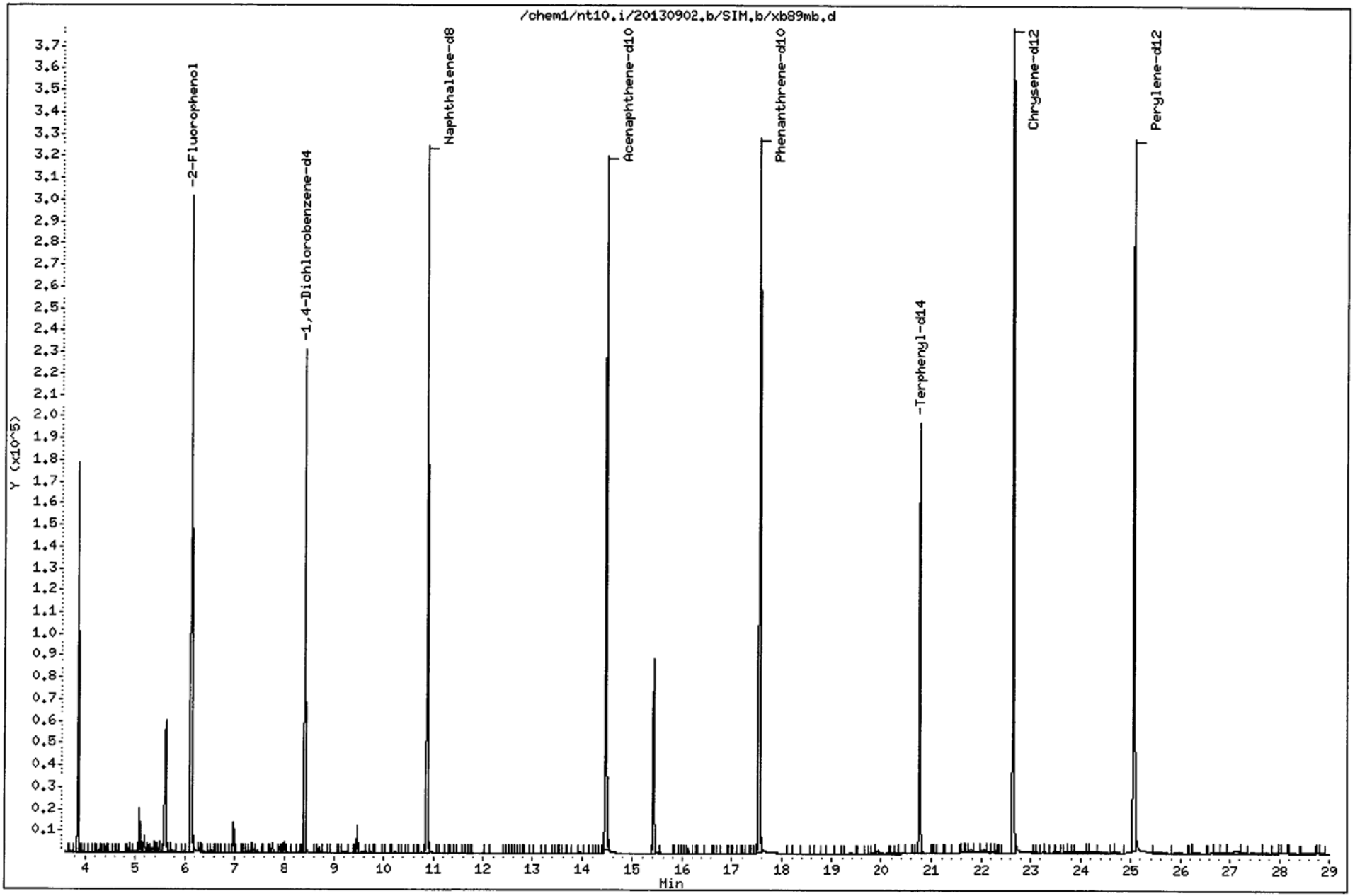
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3 Phenol	500.0	12.33	2.47*	30-160
7 1,3-Dichlorobenze	500.0	0.000	*	30-120
9 1,4-Dichlorobenze	500.0	0.000	*	36-120
11 Benzyl alcohol	1000	0.000	*	25-123
12 1,2-Dichlorobenze	500.0	0.000	*	36-120
13 2-Methylphenol	500.0	0.000	*	26-120
15 4-Methylphenol	1000	0.000	*	30-160
16 N-Nitroso-di-n-pr	500.0	0.000	*	30-160
22 2,4-Dimethylphenol	1000	0.000	*	10-120
26 1,2,4-Trichlorobe	500.0	0.000	*	35-120
30 Hexachlorobutadie	500.0	0.000	*	34-120
39 Dimethylphthalate	500.0	0.000	*	38-120
50 Diethylphthalate	500.0	117.1	23.42*	55-120
54 N-Nitrosodiphenyl	500.0	0.000	*	36-120
57 Hexachlorobenzene	500.0	0.000	*	32-120
58 Pentachlorophenol	1000	0.000	*	26-120
67 Butylbenzylphthal	500.0	0.000	*	32-142
79 Dibenzo(a,h)anthr	500.0	0.000	*	28-125
90 N-Nitrosodimethyl	1000	0.000	*	30-160

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	697.4	92.98	27-120
$ 66 Terphenyl-d14	500.0	479.8	95.95	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89mb.d
Date : 02-SEP-2013 15:54
Client ID: XB89MBS1
Sample Info: XB89MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i

Operator: VTS/YZ
Column diameter: 0.25



Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89mb.d

Date : 02-SEP-2013 15:54

Client ID: XB89MBS1

Instrument: nt10.i

Sample Info: XB89MBS1

Volume Injected (uL): 1.0

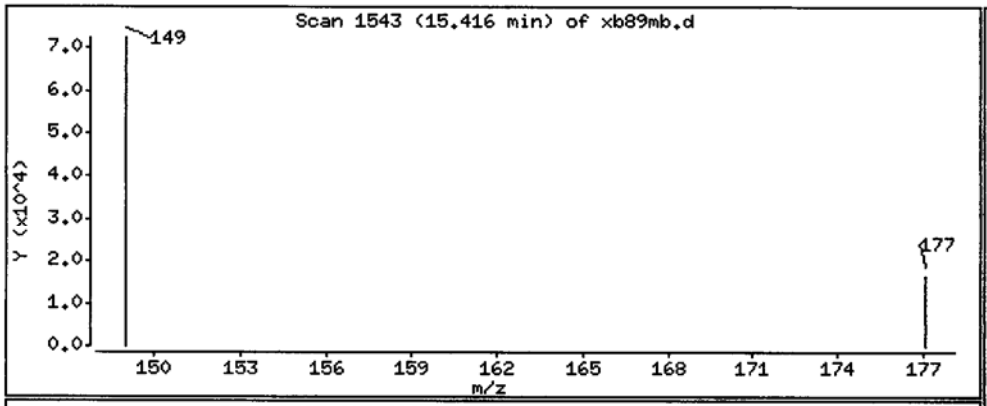
Operator: VTS/YZ

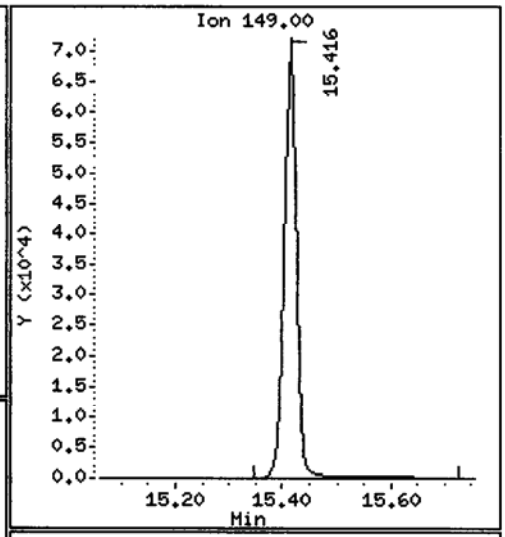
Column phase: ZB-5msi

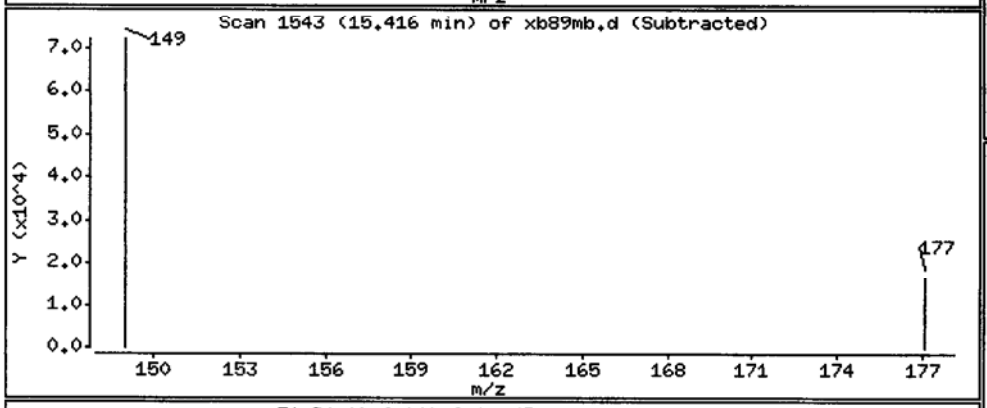
Column diameter: 0.25

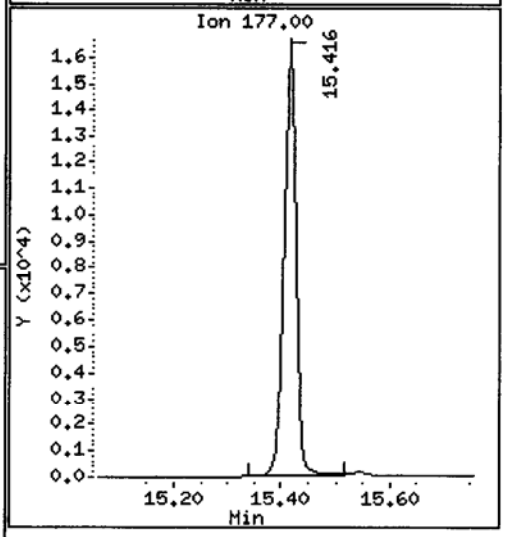
50 Diethylphthalate

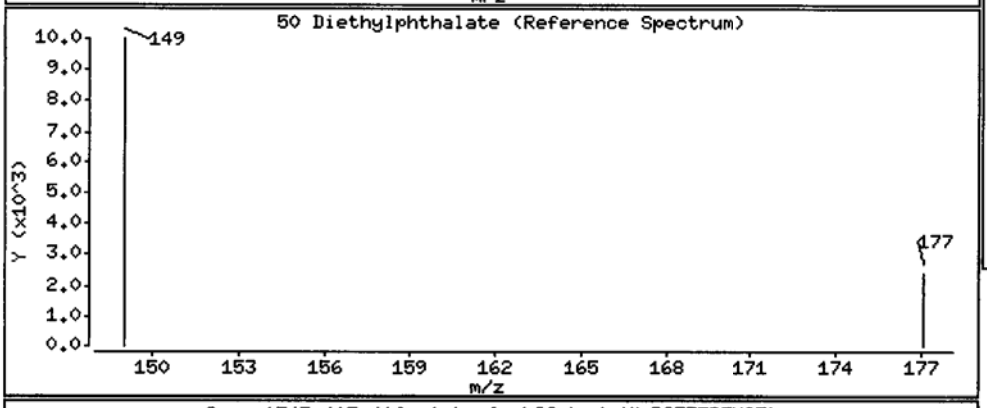
Concentration: 117.1 ug/kg

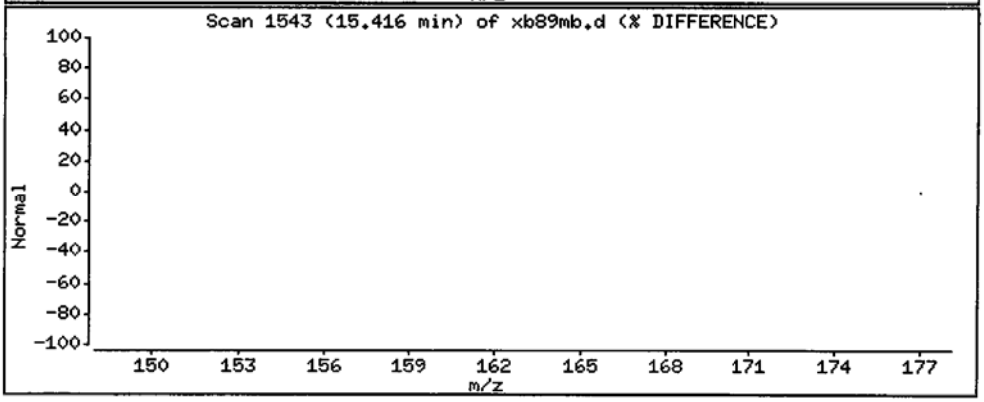












CO-ELUTION SUMMARY FOR FILE - xb89mb.d

Lab ID: XB89MBS1, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

YZ 9/9/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89sb.d
Lab Smp Id: XB89LCSS1 Client Smp ID: XB89LCSS1
Inj Date : 02-SEP-2013 13:33
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89LCSS1
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:36 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	6.110	6.102	(0.726)	261049	6.98660	698.7
	3 Phenol	94	7.764	7.756	(0.923)	181386	4.25667	425.7
	7 1,3-Dichlorobenzene	146	8.305	8.297	(0.987)	152599	3.61225	361.2
*	8 1,4-Dichlorobenzene-d4	152	8.414	8.413	(1.000)	122018	4.00000	
	9 1,4-Dichlorobenzene	146	8.445	8.444	(1.004)	148929	3.60616	360.6
	11 Benzyl alcohol	79	8.678	8.677	(1.031)	97221	4.42962	443.0
	12 1,2-Dichlorobenzene	146	8.724	8.724	(1.037)	145828	3.70297	370.3
	13 2-Methylphenol	108	8.887	8.887	(1.056)	121374	3.49619	349.6
	15 4-Methylphenol	108	9.190	9.182	(1.092)	270778	7.60828	760.8
	16 N-Nitroso-di-n-propylamine	70	9.182	9.174	(1.091)	75470	3.84083	384.1
	22 2,4-Dimethylphenol	107	10.227	10.219	(0.940)	346824	9.27367	927.4
	26 1,2,4-Trichlorobenzene	180	10.766	10.766	(0.990)	145959	3.81570	381.6
*	27 Naphthalene-d8	136	10.874	10.874	(1.000)	439443	4.00000	
	30 Hexachlorobutadiene	225	11.184	11.176	(1.028)	84348	3.75522	375.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	39 Dimethylphthalate	163	13.947	13.939	(0.964)	320784	4.60227	460.2
*	42 Acenaphthene-d10	162	14.465	14.457	(1.000)	236279	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.066)	399846	4.73166	473.2
	54 N-Nitrosodiphenylamine	169	15.864	15.864	(0.905)	165825	3.30485	330.5
	57 Hexachlorobenzene	284	16.721	16.720	(0.954)	147701	4.42112	442.1
	58 Pentachlorophenol	266	17.146	17.146	(0.978)	187245	8.91379	891.4
*	59 Phenanthrene-d10	188	17.525	17.525	(1.000)	484659	4.00000	
$	66 Terphenyl-d14	244	20.760	20.759	(0.916)	257004	4.87583	487.6
	67 Butylbenzylphthalate	149	21.696	21.696	(0.958)	278898	5.47859	547.9
*	69 Chrysene-d12	240	22.657	22.656	(1.000)	508338	4.00000	
*	77 Perylene-d12	264	25.072	25.072	(1.000)	534475	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.297	27.296	(1.089)	433905	3.36757	336.8
	90 N-Nitrosodimethylamine	74	3.956	3.932	(0.470)	181145	10.8701	1087

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89sb.d
Lab Smp Id: XB89LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: XB89LCSS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	122018	-23.98
27 Naphthalene-d8	576038	288019	1152076	439443	-23.71
42 Acenaphthene-d10	314384	157192	628768	236279	-24.84
59 Phenanthrene-d10	686356	343178	1372712	484659	-29.39
69 Chrysene-d12	741751	370876	1483502	508338	-31.47
77 Perylene-d12	800926	400463	1601852	534475	-33.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.41	0.00
27 Naphthalene-d8	10.87	10.37	11.37	10.87	0.00
42 Acenaphthene-d10	14.46	13.96	14.96	14.46	0.06
59 Phenanthrene-d10	17.53	17.03	18.03	17.53	0.00
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

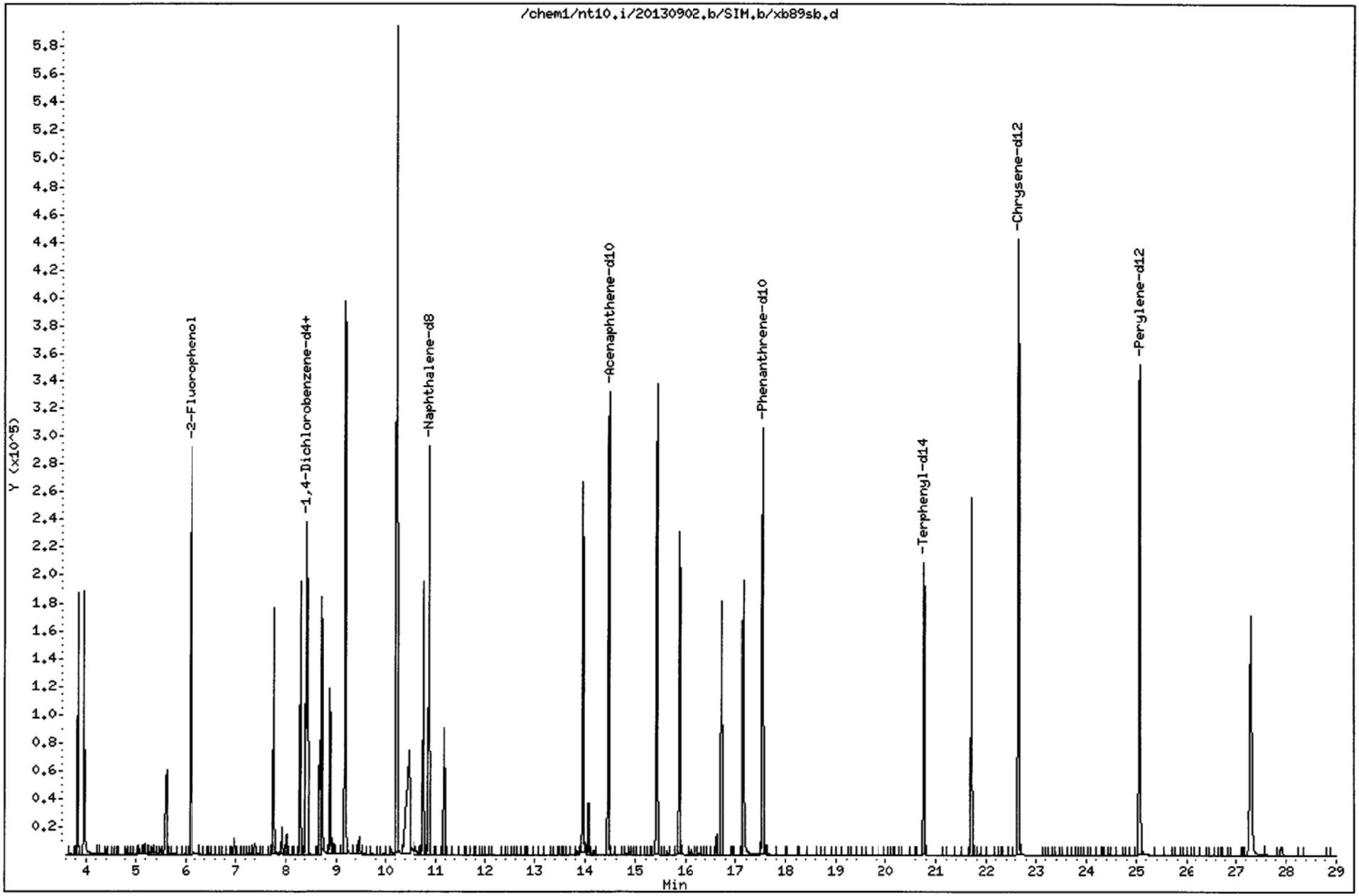
Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89LCSS1 Client Smp ID: XB89LCSS1
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: LCS
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3 Phenol	500.0	425.7	85.13	30-160
7 1,3-Dichlorobenzen	500.0	361.2	72.25	30-120
9 1,4-Dichlorobenzen	500.0	360.6	72.12	36-120
11 Benzyl alcohol	1000	443.0	44.30	25-123
12 1,2-Dichlorobenzen	500.0	370.3	74.06	36-120
13 2-Methylphenol	500.0	349.6	69.92	26-120
15 4-Methylphenol	1000	760.8	76.08	30-160
16 N-Nitroso-di-n-pro	500.0	384.1	76.82	30-160
22 2,4-Dimethylphenol	1000	927.4	92.74	10-120
26 1,2,4-Trichloroben	500.0	381.6	76.31	35-120
30 Hexachlorobutadien	500.0	375.5	75.10	34-120
39 Dimethylphthalate	500.0	460.2	92.05	38-120
50 Diethylphthalate	500.0	473.2	94.63	55-120
54 N-Nitrosodiphenyla	500.0	330.5	66.10	36-120
57 Hexachlorobenzene	500.0	442.1	88.42	32-120
58 Pentachlorophenol	1000	891.4	89.14	26-120
67 Butylbenzylphthala	500.0	547.9	109.57	32-142
79 Dibenzo(a,h)anthra	500.0	336.8	67.35	28-125
90 N-Nitrosodimethyla	1000	1087	108.70	30-160

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	698.7	93.15	27-120
$ 66 Terphenyl-d14	500.0	487.6	97.52	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89sb.d
Date : 02-SEP-2013 13:33
Client ID: XB89LCSS1
Sample Info: XB89LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 0061 : D

CO-ELUTION SUMMARY FOR FILE - xb89sb.d

Lab ID: XB89LCSS1, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

YZ 9/9/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89a.d
Lab Smp Id: XB89A Client Smp ID: IJ13-SS-102
Inj Date : 02-SEP-2013 14:44
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89A
Misc Info : 13-17436
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:16 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 7
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	21.28000	Weight of sample extracted (g)
M	52.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.126	6.102	(0.728)	105045	2.77825	821.1
3	Phenol	94	7.779	7.756	(0.925)	50010	1.15978	342.8
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.414	8.413	(1.000)	123473	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	79	8.693	8.677	(1.033)	5863	0.26398	78.02 (M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
13	2-Methylphenol	108	8.903	8.887	(1.058)	14441	0.41107	121.5
15	4-Methylphenol	108	9.206	9.182	(1.094)	156579	4.34769	1285
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.235	10.219	(0.940)	27231	0.69750	206.1
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.882	10.874	(1.000)	458735	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					
39	Dimethylphthalate	163	13.947	13.939	(0.964)	30854	0.43781	129.4 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.473	14.457	(1.000)	238897	4.00000	
	50 Diethylphthalate	149	15.424	15.408	(1.066)	14355	0.16801	49.66 (M)
	54 N-Nitrosodiphenylamine	169	15.880	15.864	(0.905)	30759	0.61731	182.4
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	17.170	17.146	(0.978)	2371	0.12538	37.06
*	59 Phenanthrene-d10	188	17.549	17.525	(1.000)	481294	4.00000	
$	66 Terphenyl-d14	244	20.783	20.759	(0.916)	89982	1.87418	553.9
	67 Butylbenzylphthalate	149	21.689	21.696	(0.956)	1457	0.03142	9.287
*	69 Chrysene-d12	240	22.688	22.656	(1.000)	463025	4.00000	
*	77 Perylene-d12	264	25.095	25.072	(1.000)	539031	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.343	27.296	(1.090)	36919	0.28411	83.97
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89a.d
Lab Smp Id: XB89A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17436

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-SS-102
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	123473	-23.08
27 Naphthalene-d8	576038	288019	1152076	458735	-20.36
42 Acenaphthene-d10	314384	157192	628768	238897	-24.01
59 Phenanthrene-d10	686356	343178	1372712	481294	-29.88
69 Chrysene-d12	741751	370876	1483502	463025	-37.58
77 Perylene-d12	800926	400463	1601852	539031	-32.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.41	0.01
27 Naphthalene-d8	10.87	10.37	11.37	10.88	0.08
42 Acenaphthene-d10	14.46	13.96	14.96	14.47	0.11
59 Phenanthrene-d10	17.53	17.03	18.03	17.55	0.13
69 Chrysene-d12	22.66	22.16	23.16	22.69	0.14
77 Perylene-d12	25.07	24.57	25.57	25.10	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

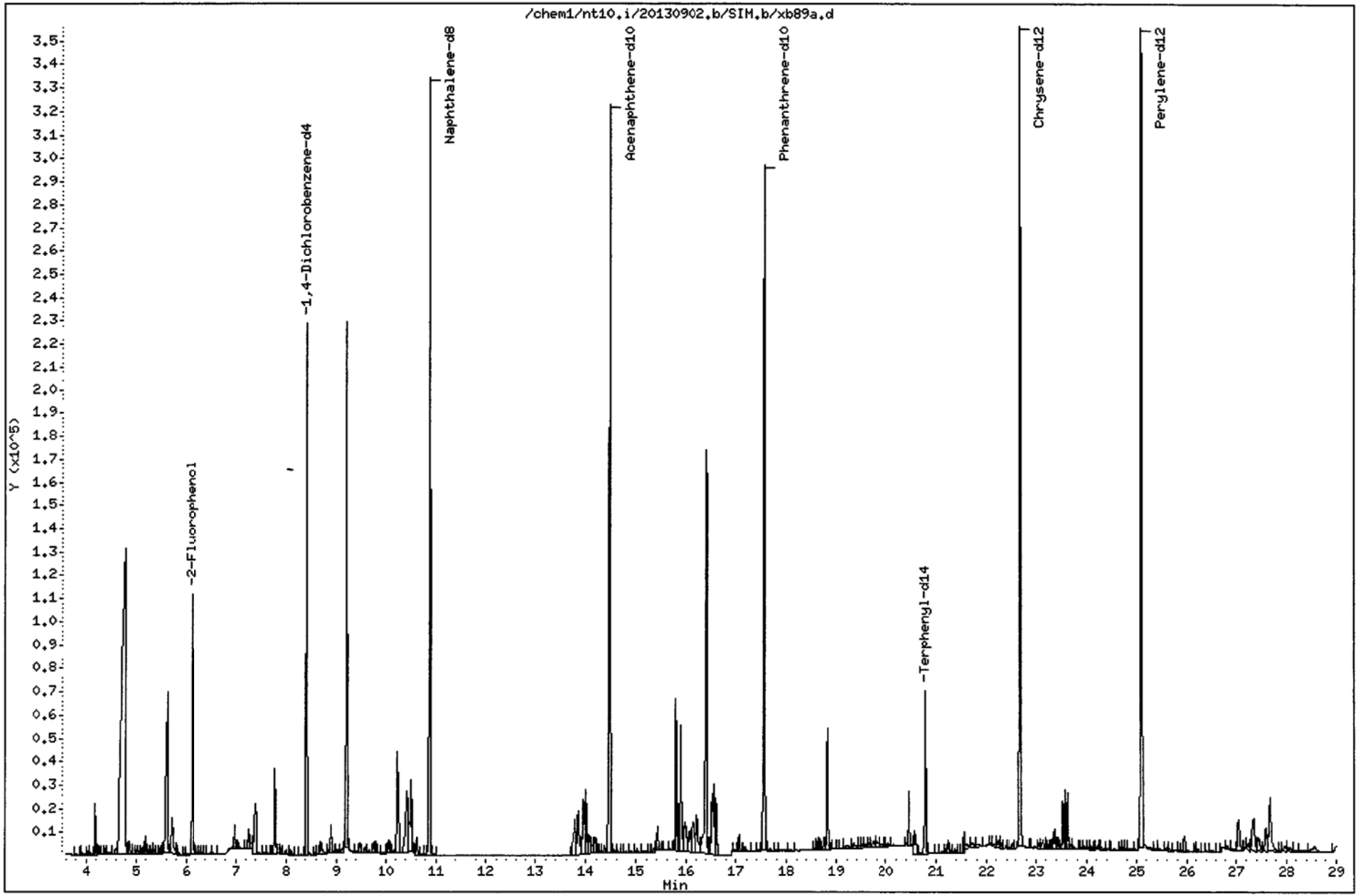
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89A Client Smp ID: IJ13-SS-102
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17436

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	738.9	821.1	111.13	27-120
$ 66 Terphenyl-d14	492.6	553.9	112.45	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d
Date : 02-SEP-2013 14:44
Client ID: IJ13-SS-102
Sample Info: XB89A
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

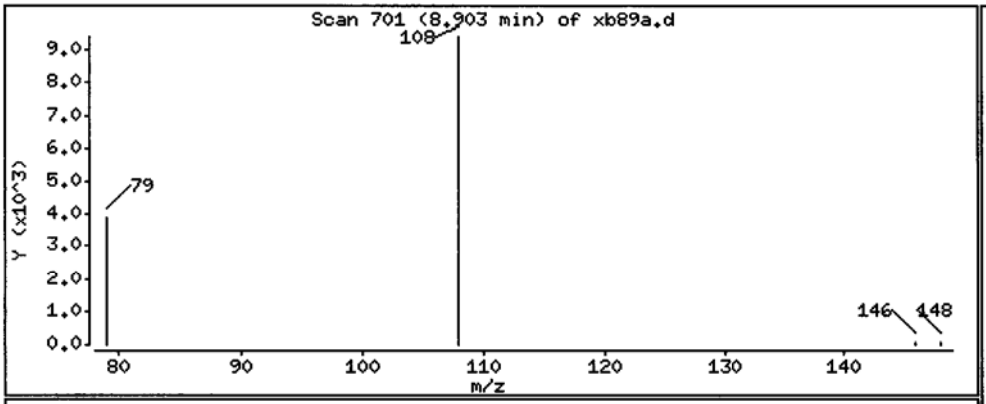
Operator: VTS/YZ

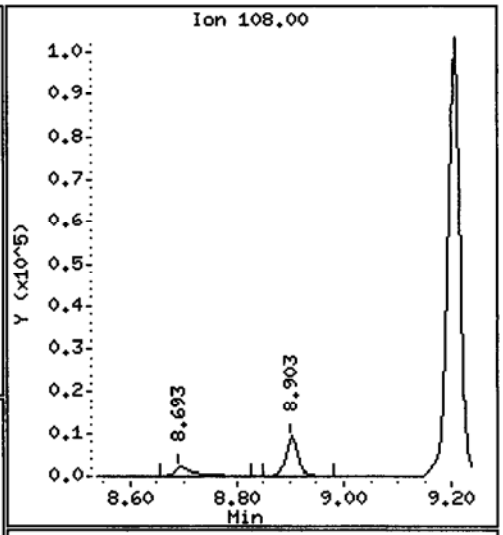
Column phase: ZB-5msi

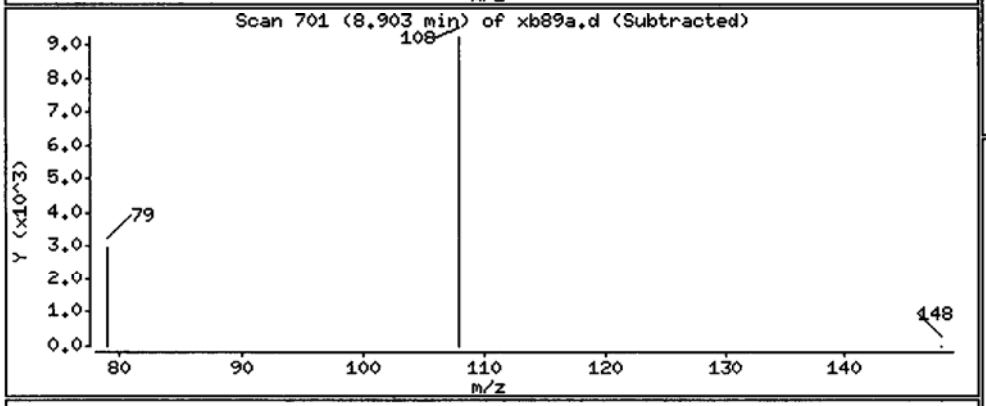
Column diameter: 0.25

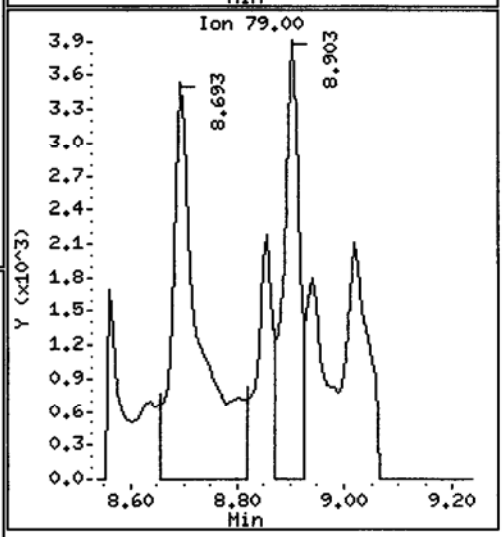
13 2-Methylphenol

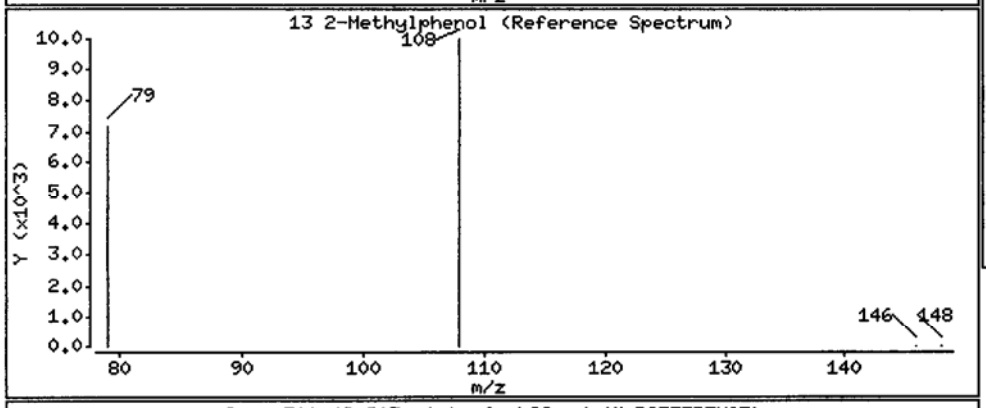
Concentration: 121.5 ug/kg

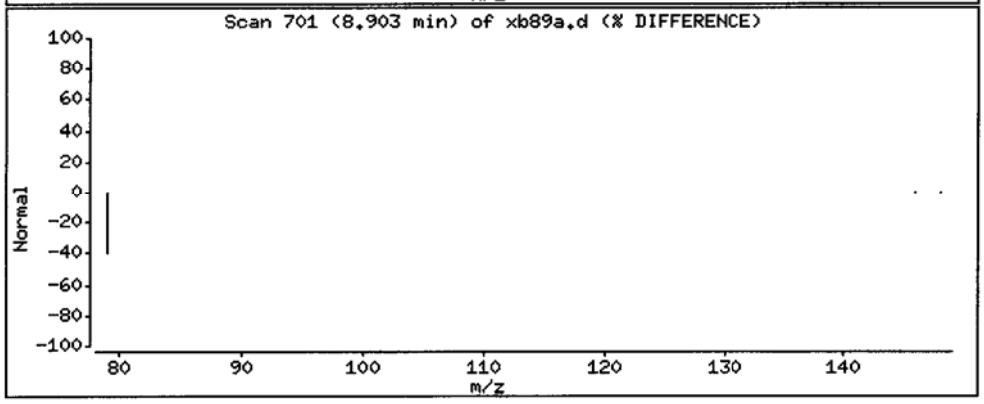












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

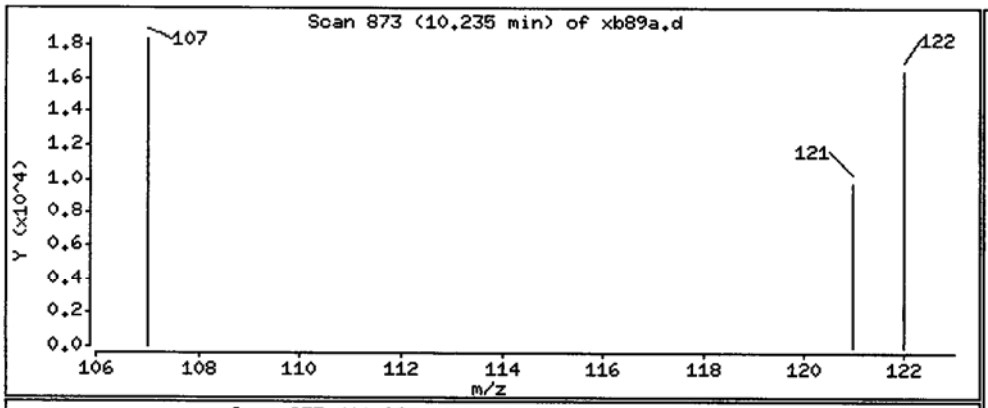
Operator: VTS/YZ

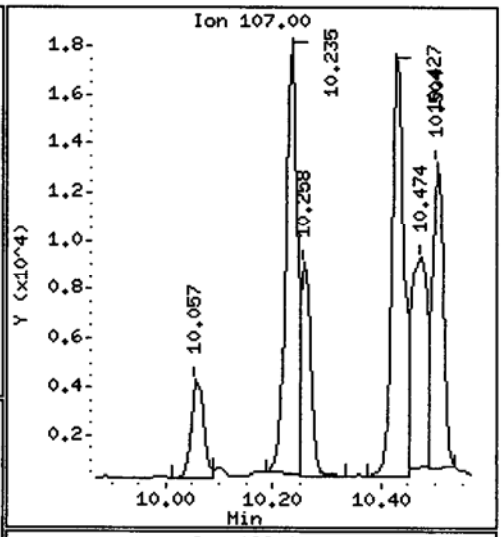
Column phase: ZB-5msi

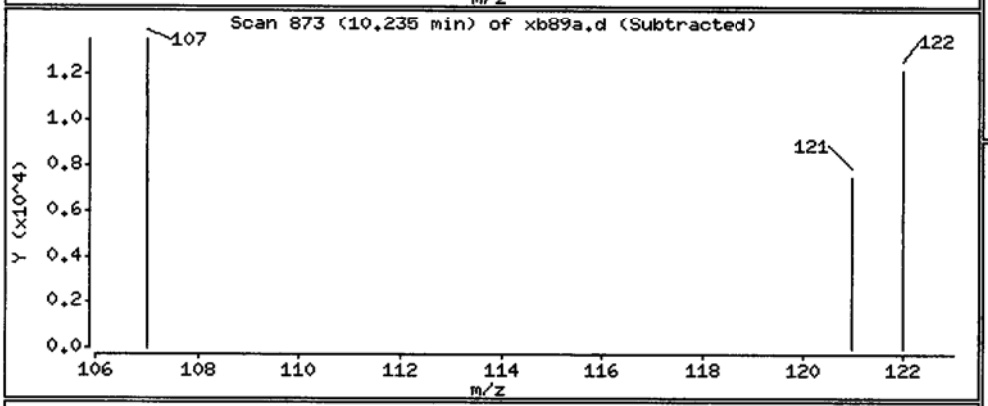
Column diameter: 0.25

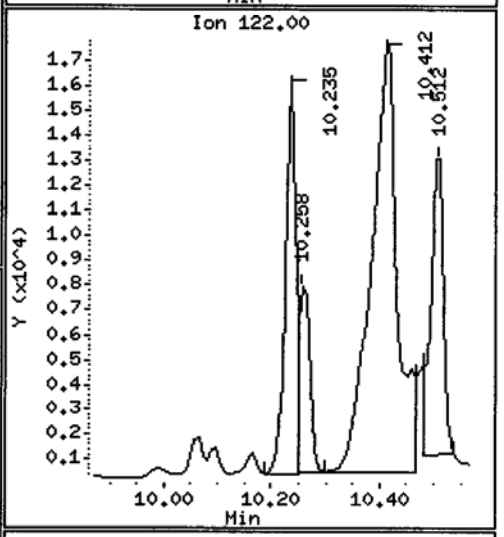
22 2,4-Dimethylphenol

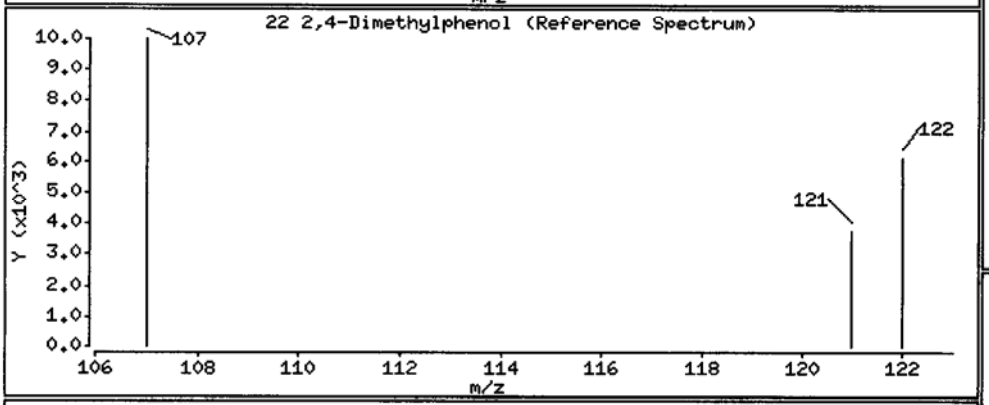
Concentration: 206.1 ug/kg

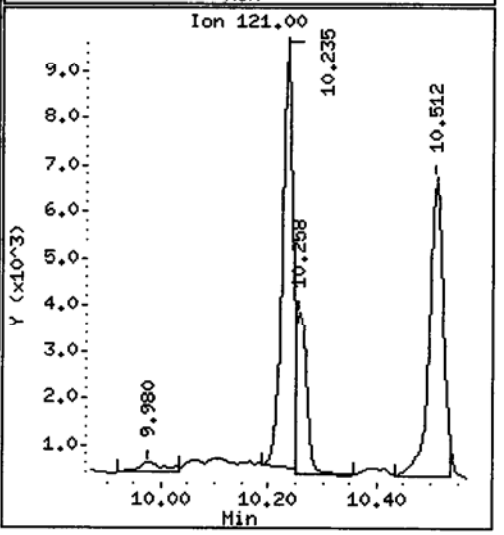


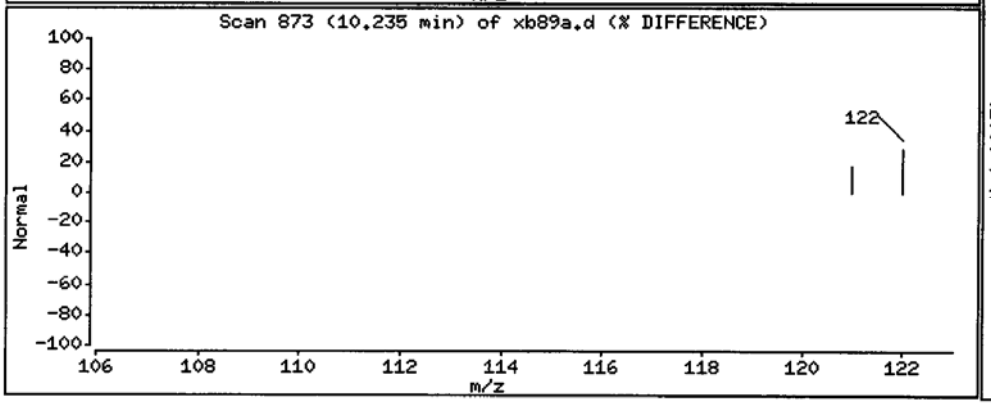












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

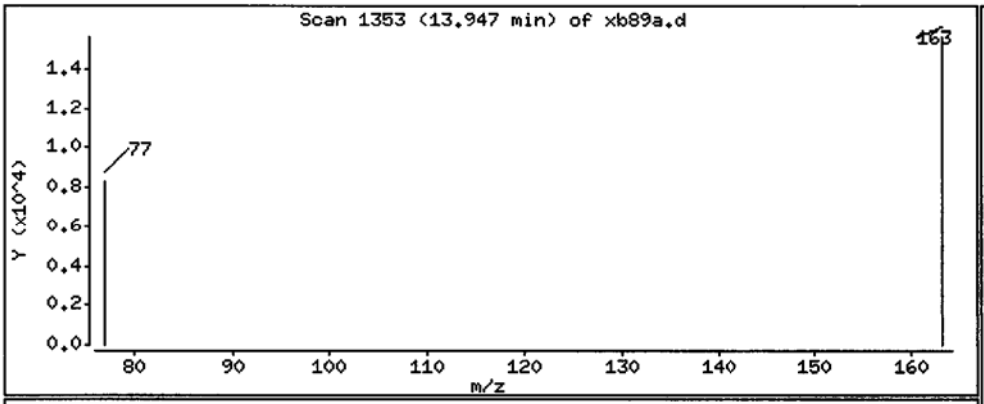
Operator: VTS/YZ

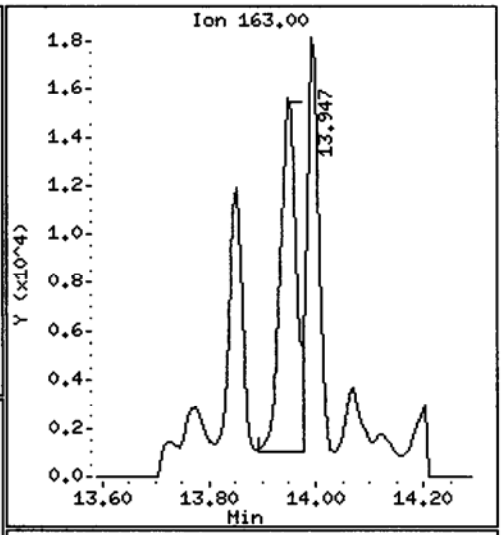
Column phase: ZB-5msi

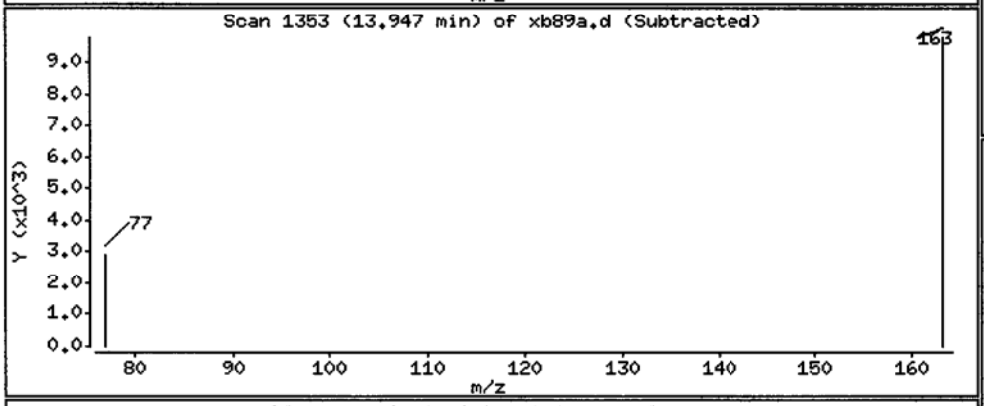
Column diameter: 0.25

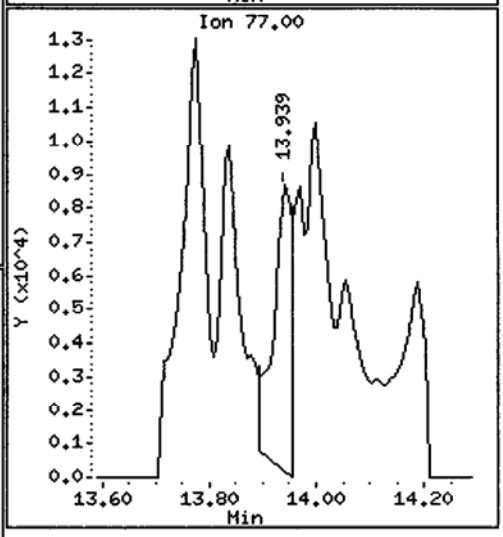
39 Dimethylphthalate

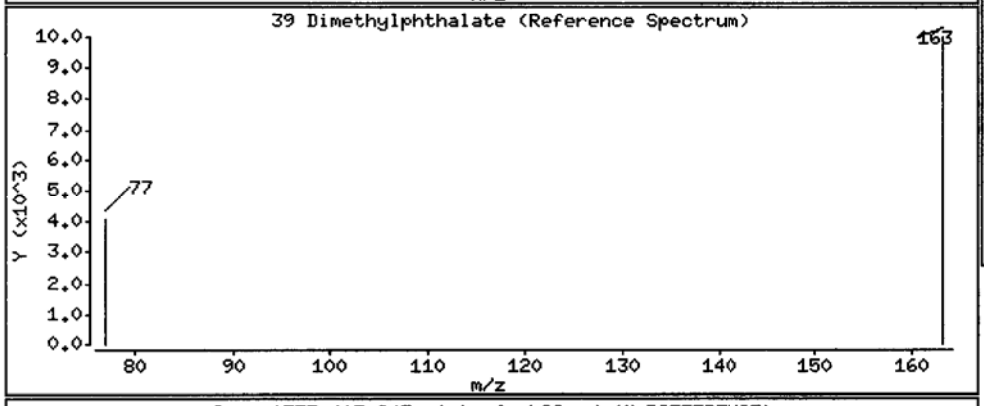
Concentration: 129.4 ug/kg

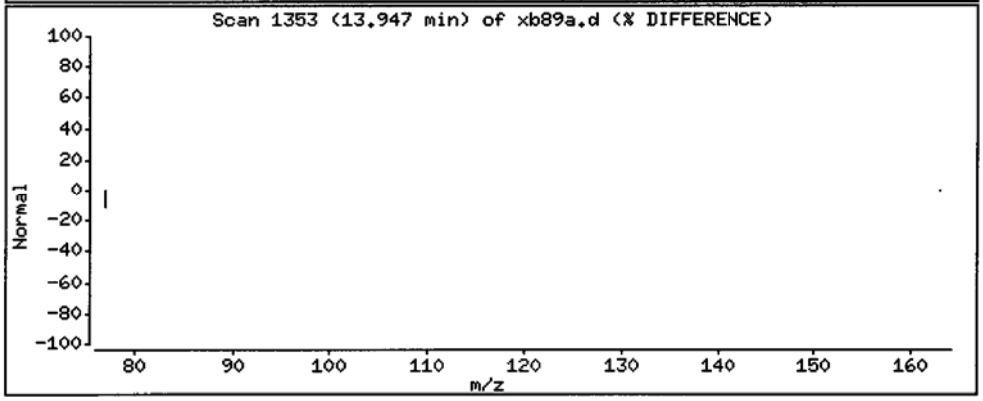












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

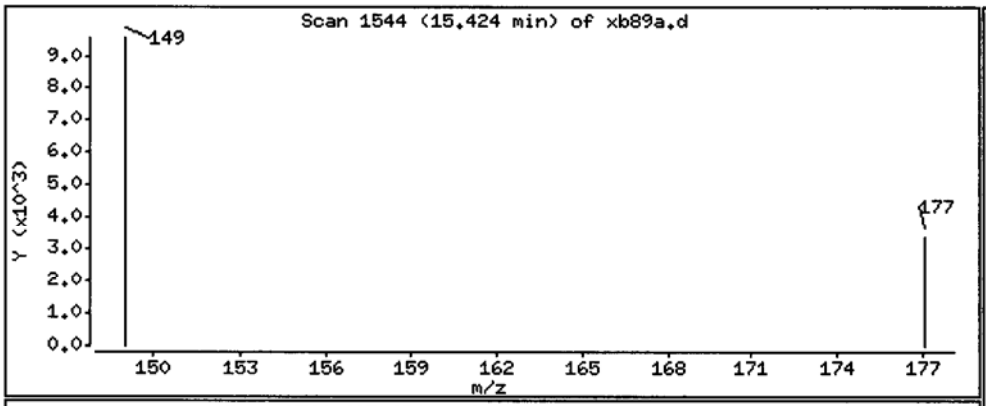
Client ID: IJ13-SS-102 Instrument: nt10.i

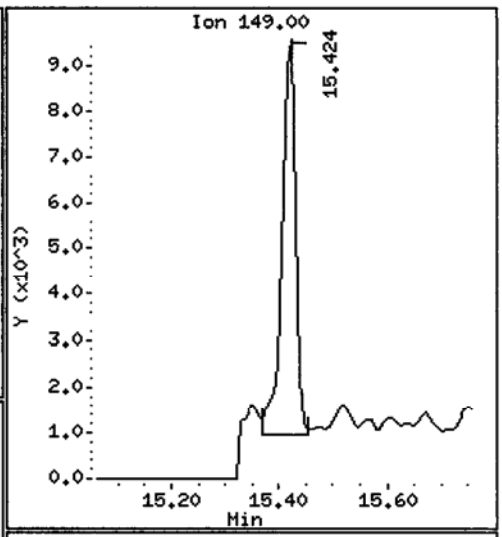
Sample Info: XB89A

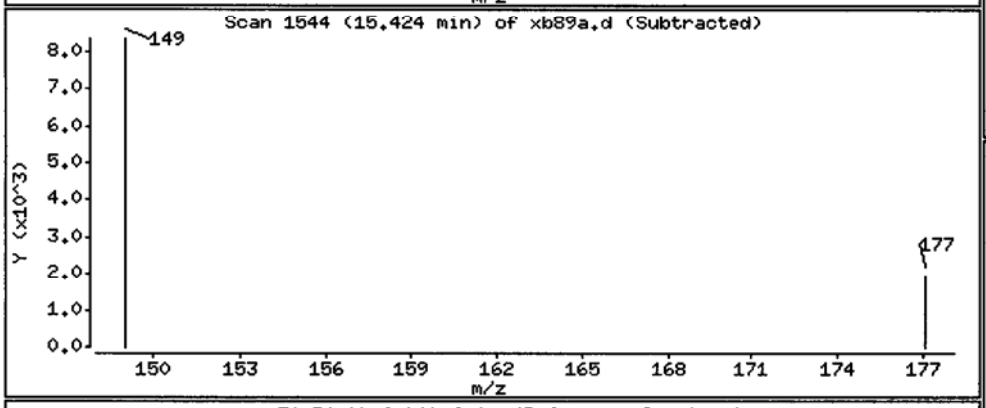
Volume Injected (uL): 1.0 Operator: VTS/YZ

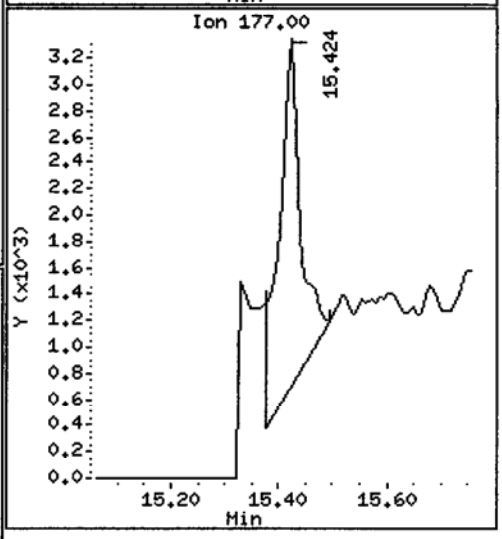
Column phase: ZB-5msi Column diameter: 0.25

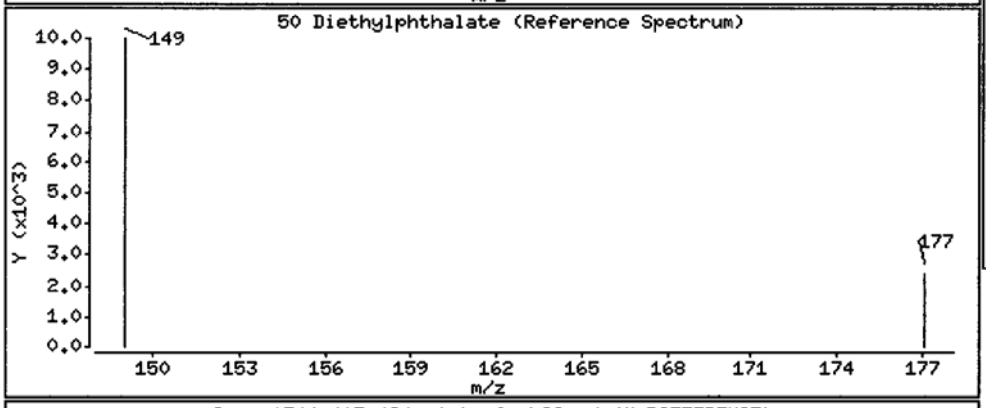
50 Diethylphthalate Concentration: 49.66 ug/kg

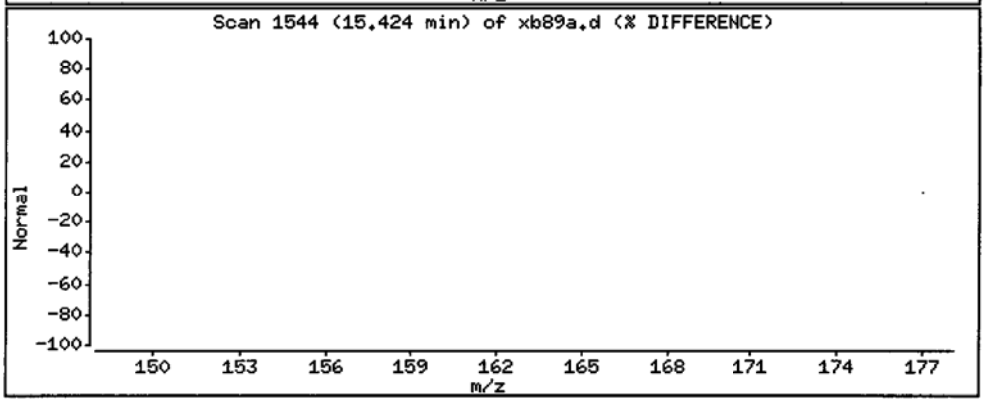












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

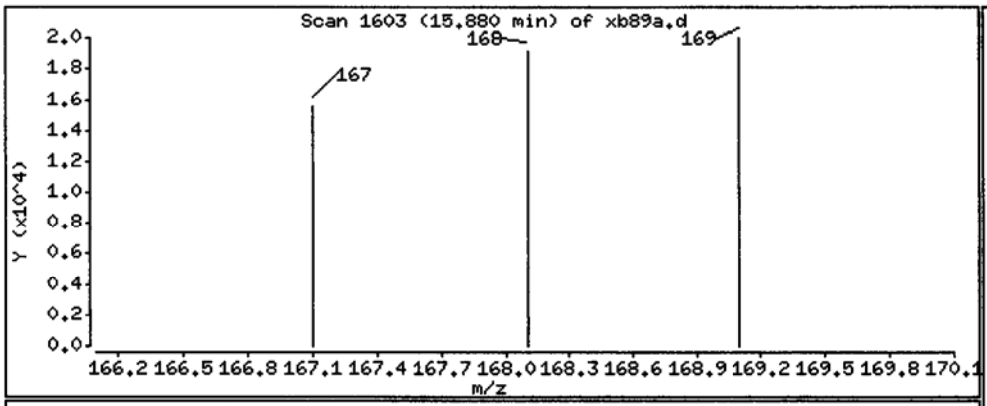
Client ID: IJ13-SS-102 Instrument: nt10.i

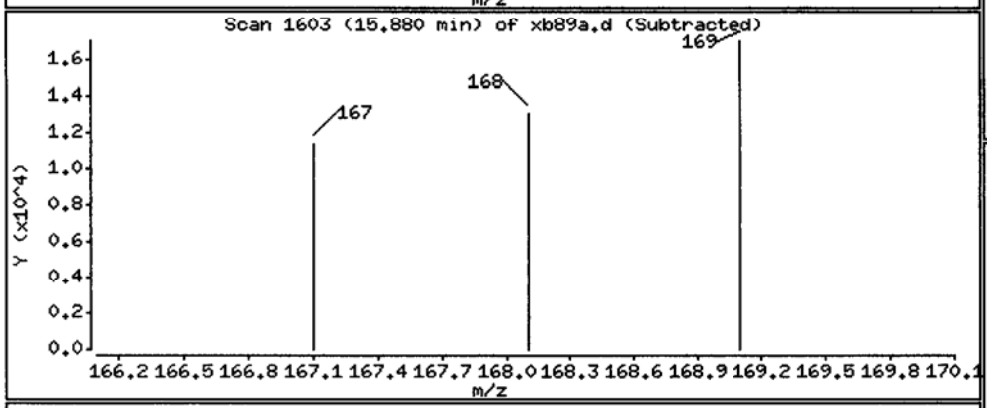
Sample Info: XB89A

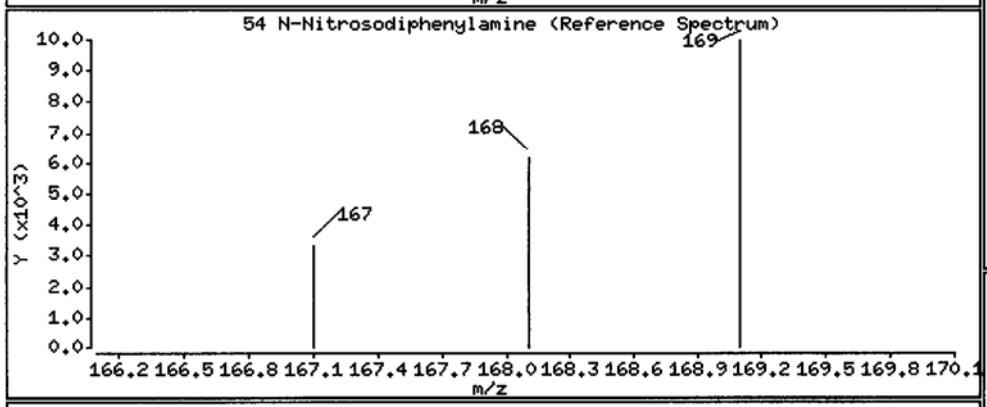
Volume Injected (uL): 1.0 Operator: VTS/YZ

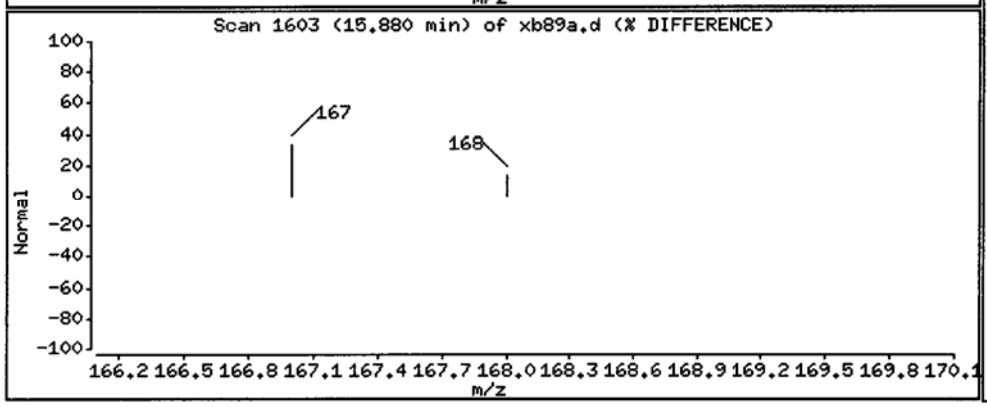
Column phase: ZB-5msi Column diameter: 0.25

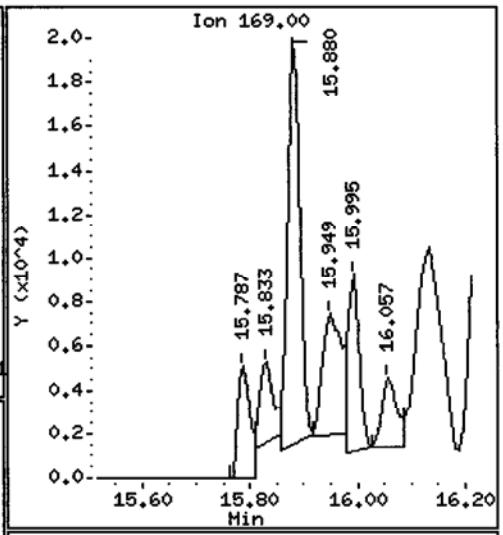
54 N-Nitrosodiphenylamine Concentration: 182.4 ug/kg

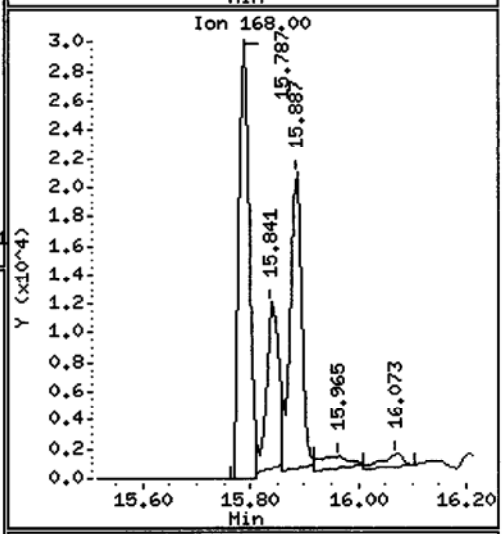


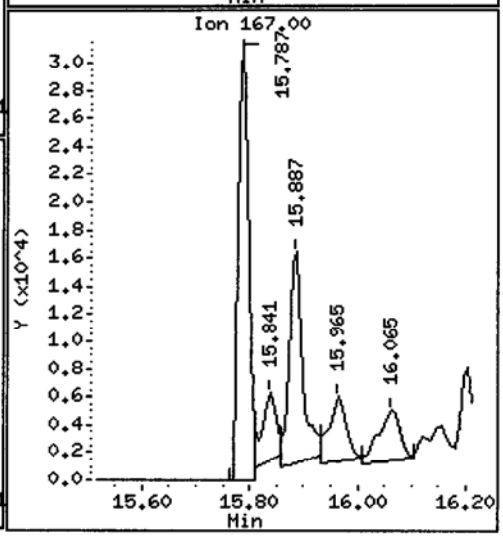












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

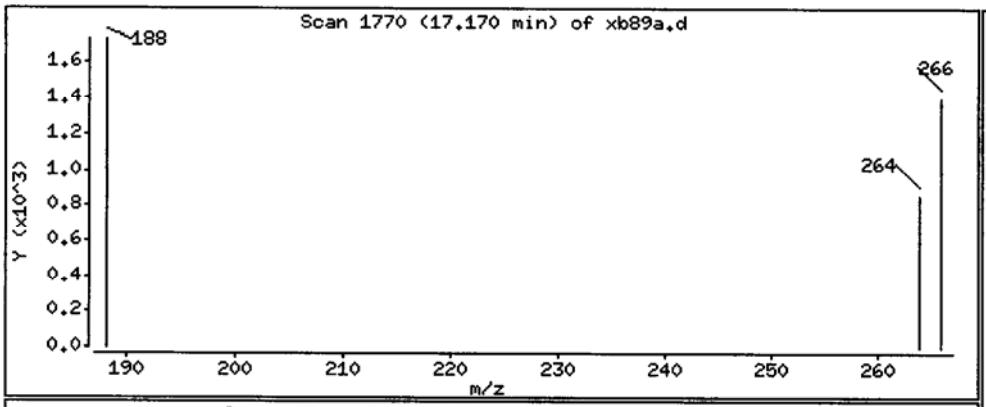
Operator: VTS/YZ

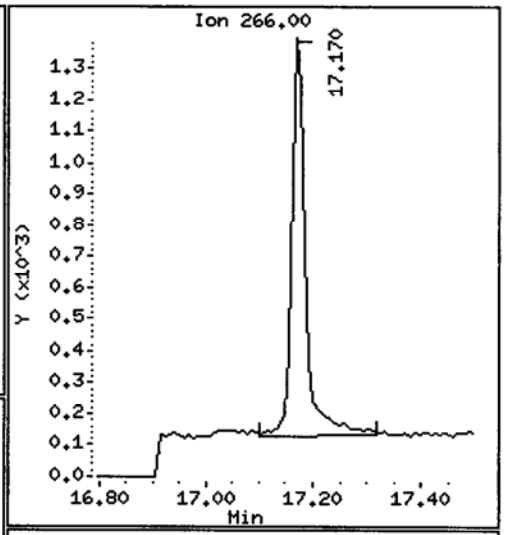
Column phase: ZB-5msi

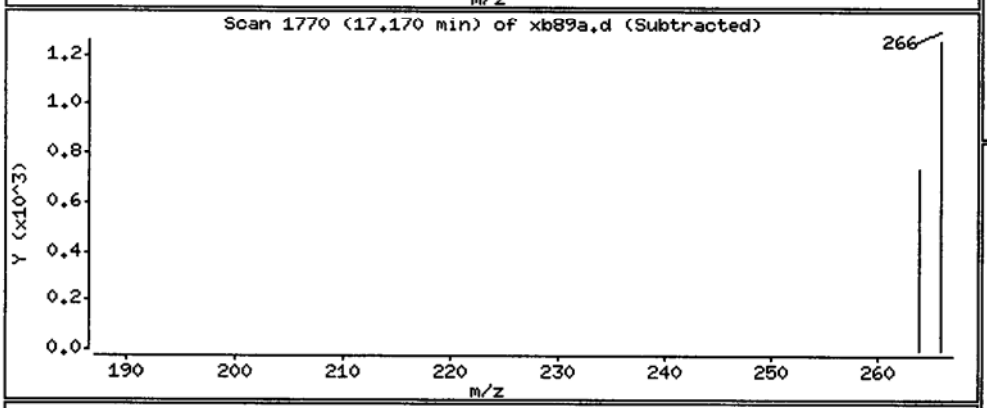
Column diameter: 0.25

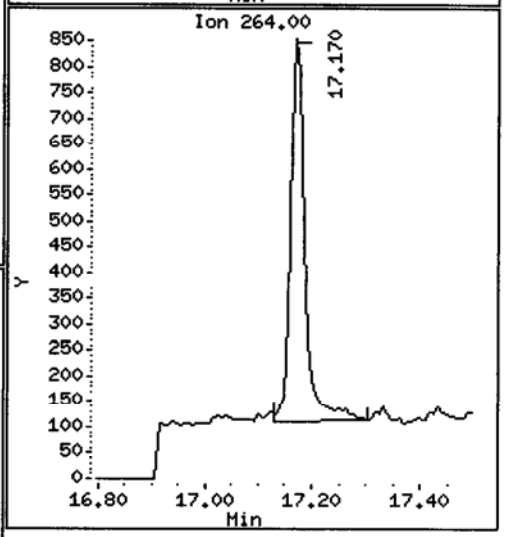
58 Pentachlorophenol

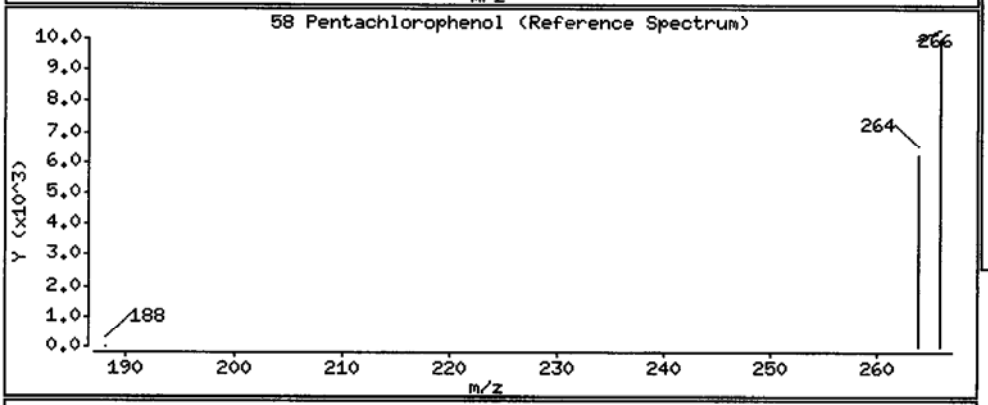
Concentration: 37.06 ug/kg

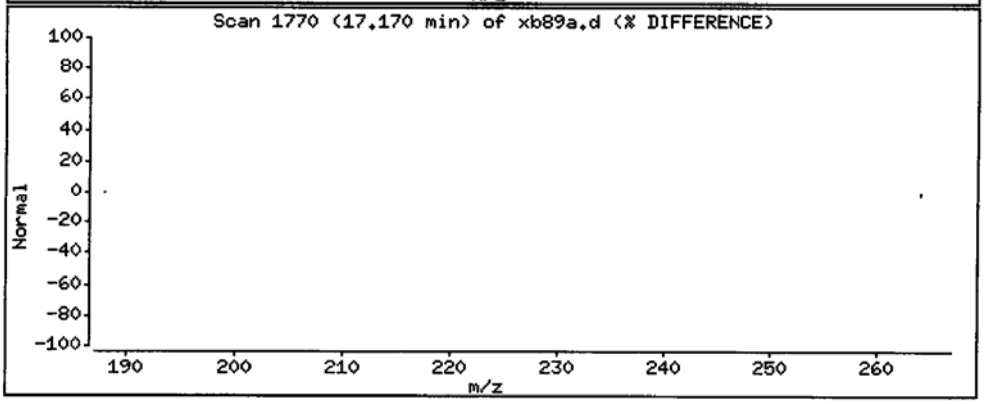












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

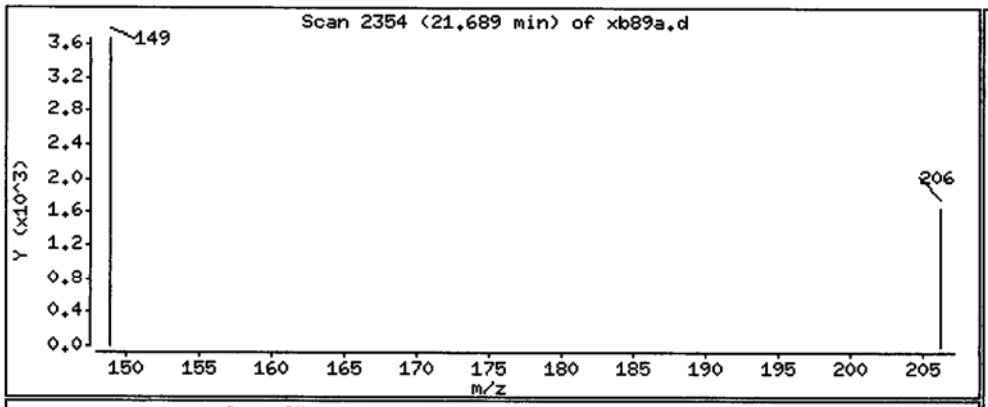
Operator: VTS/YZ

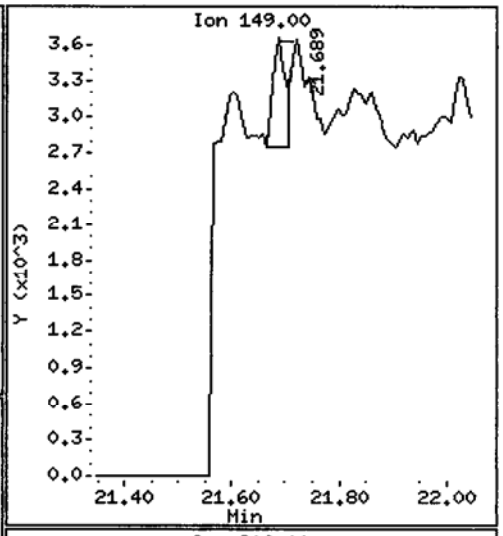
Column phase: ZB-5msi

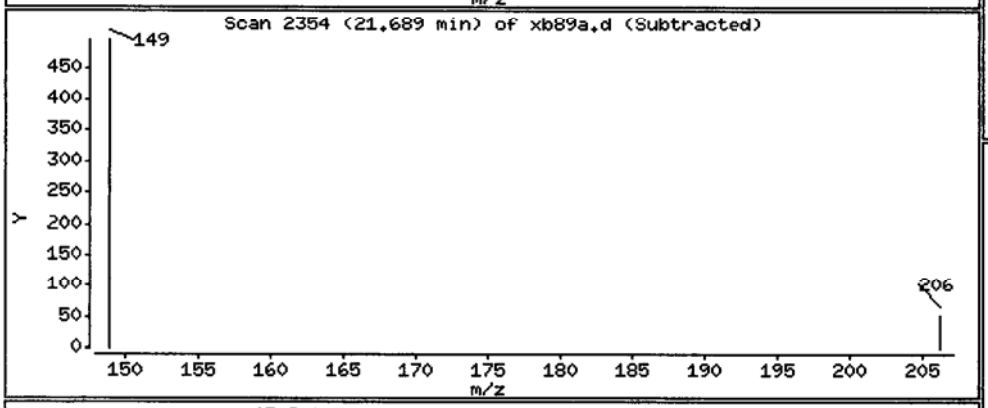
Column diameter: 0.25

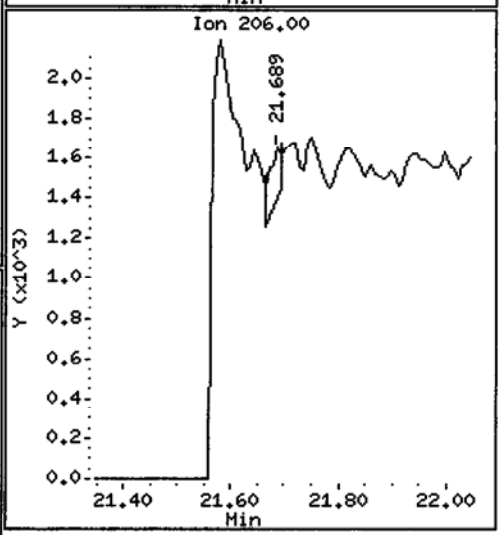
67 Butylbenzylphthalate

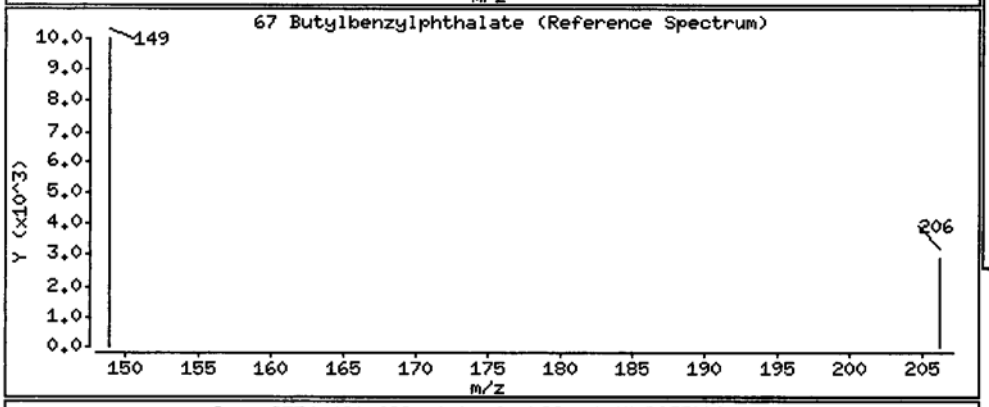
Concentration: 9.287 ug/kg

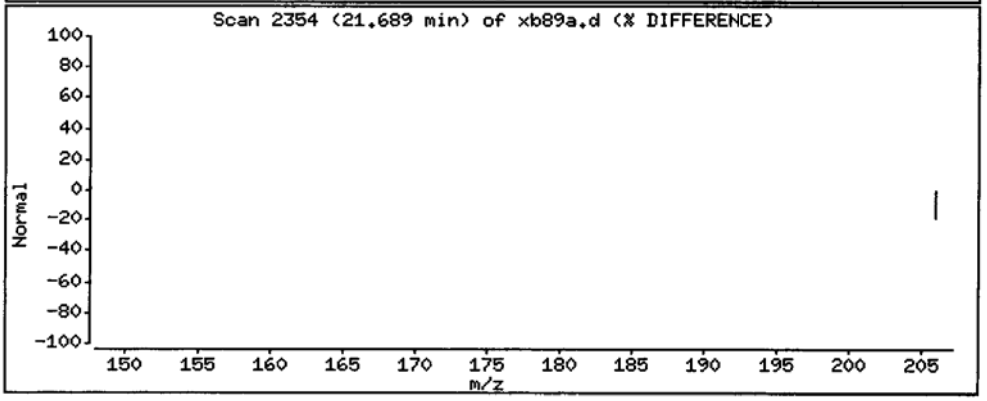












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Date : 02-SEP-2013 14:44

Client ID: IJ13-SS-102

Instrument: nt10.i

Sample Info: XB89A

Volume Injected (uL): 1.0

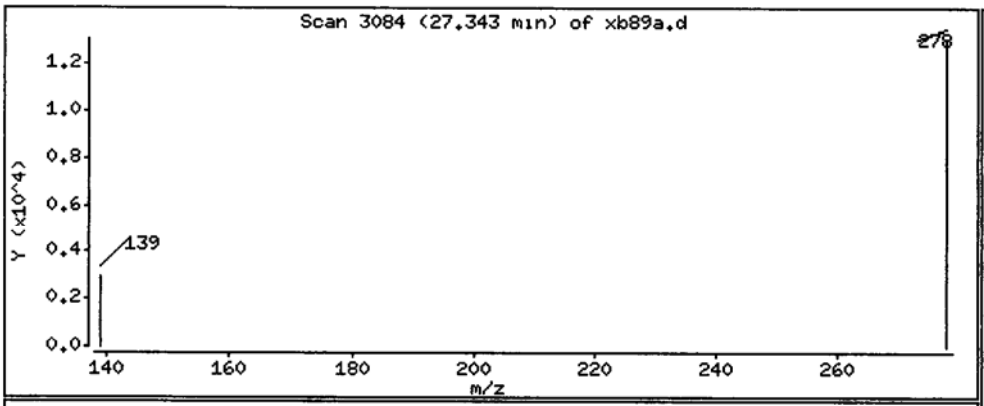
Operator: VTS/YZ

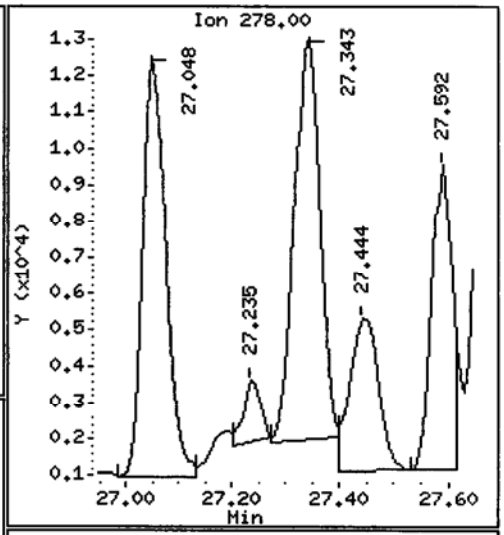
Column phase: ZB-5msi

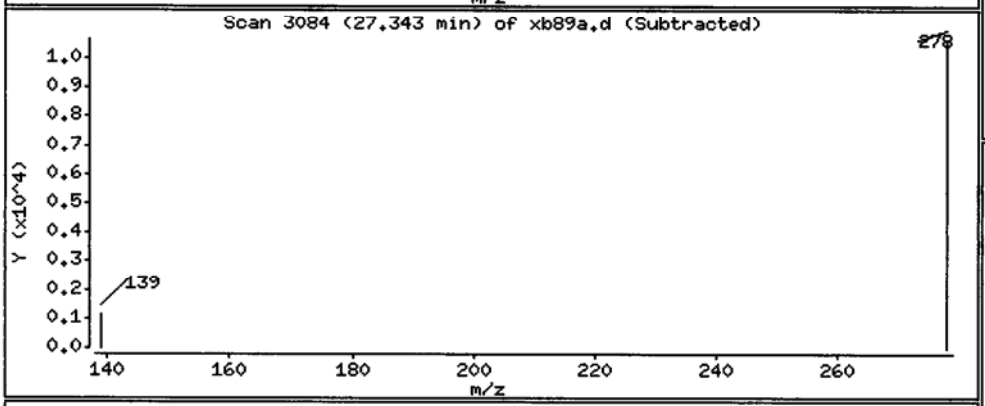
Column diameter: 0.25

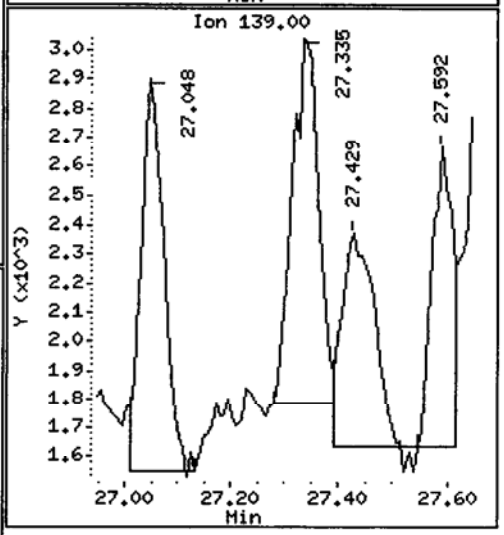
79 Dibenzo(a,h)anthracene

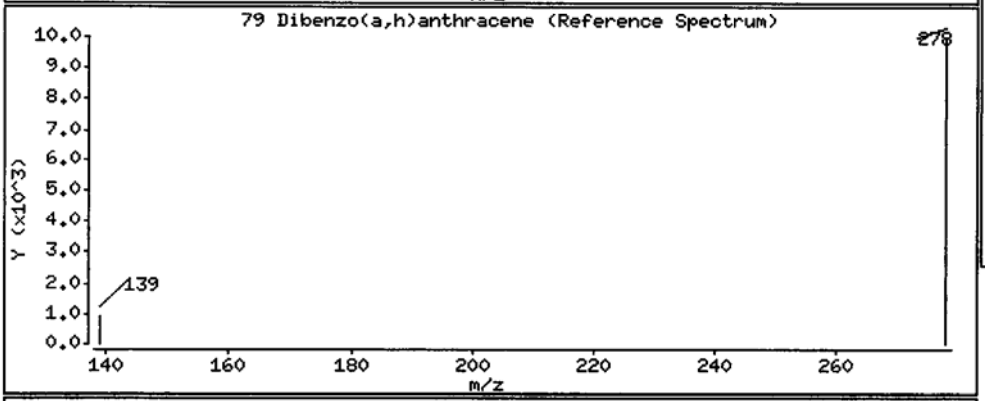
Concentration: 83.97 ug/kg

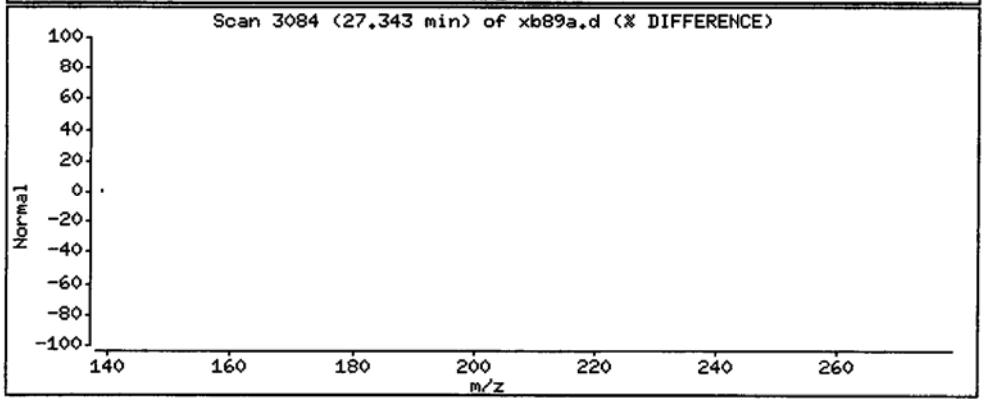






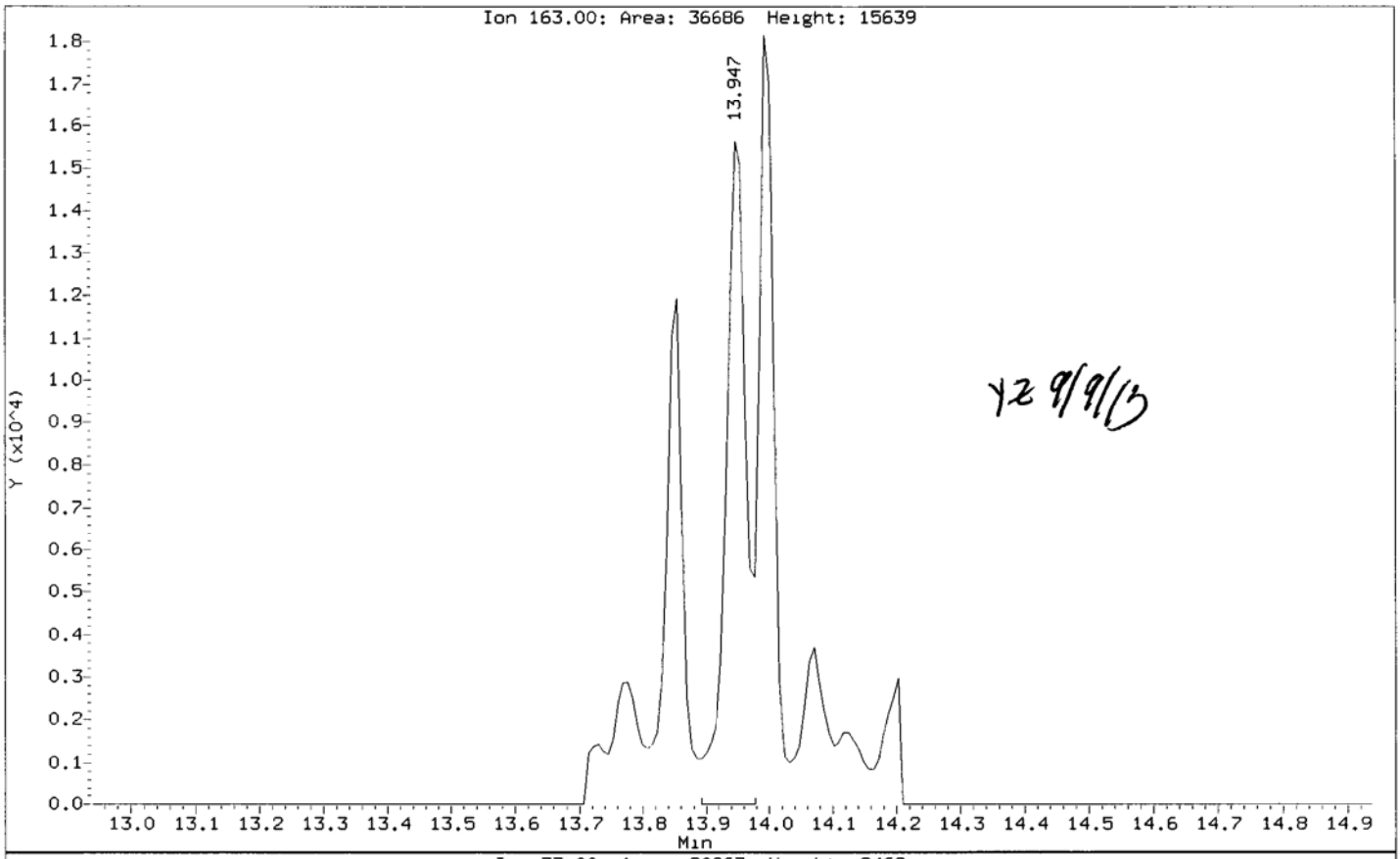




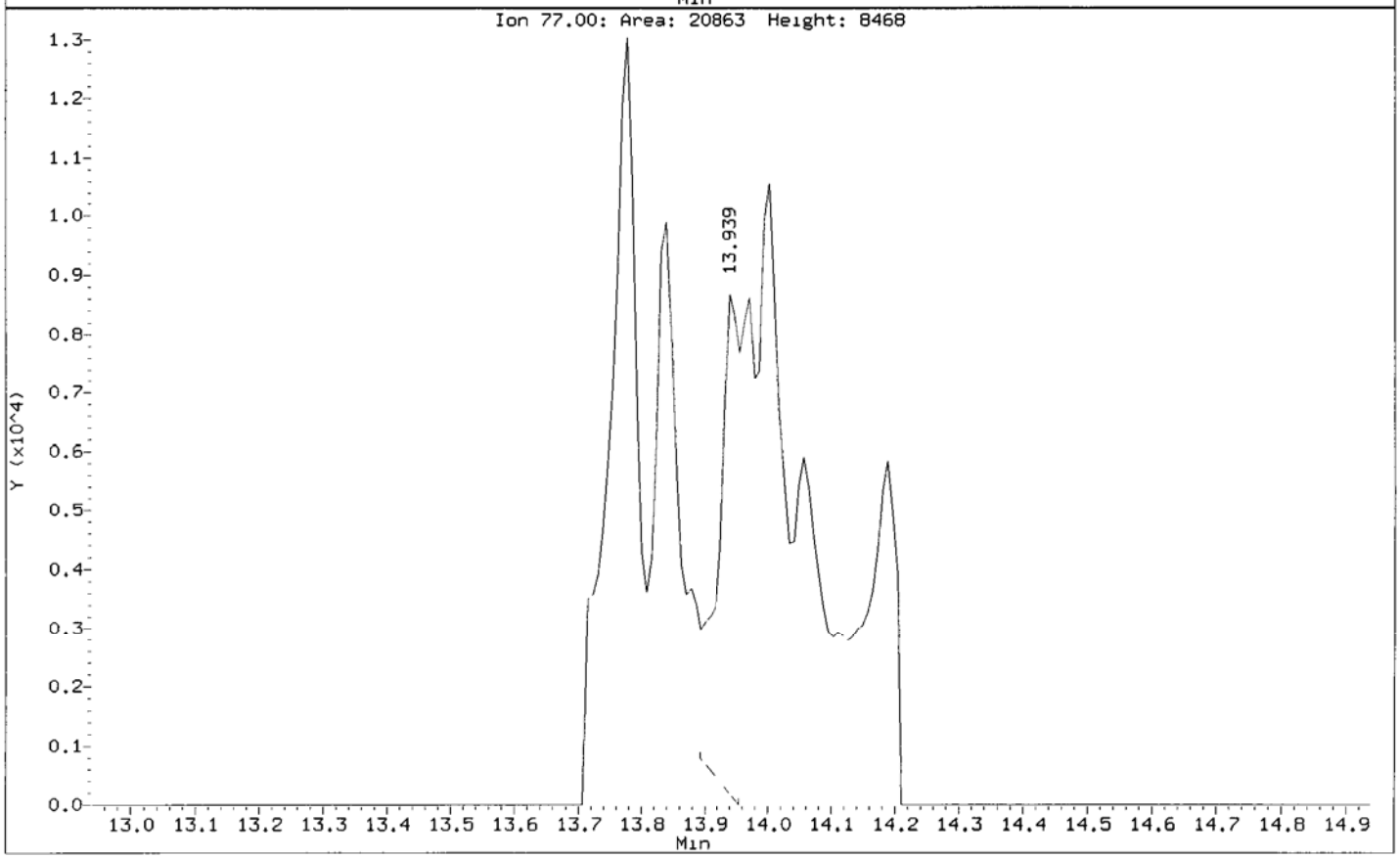


Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89a.d
Injection Date: 02-SEP-2013 14:44
Instrument: nt10.1
Client Sample ID:

Compound: Dimethylphthalate
CAS Number: 131-11-3

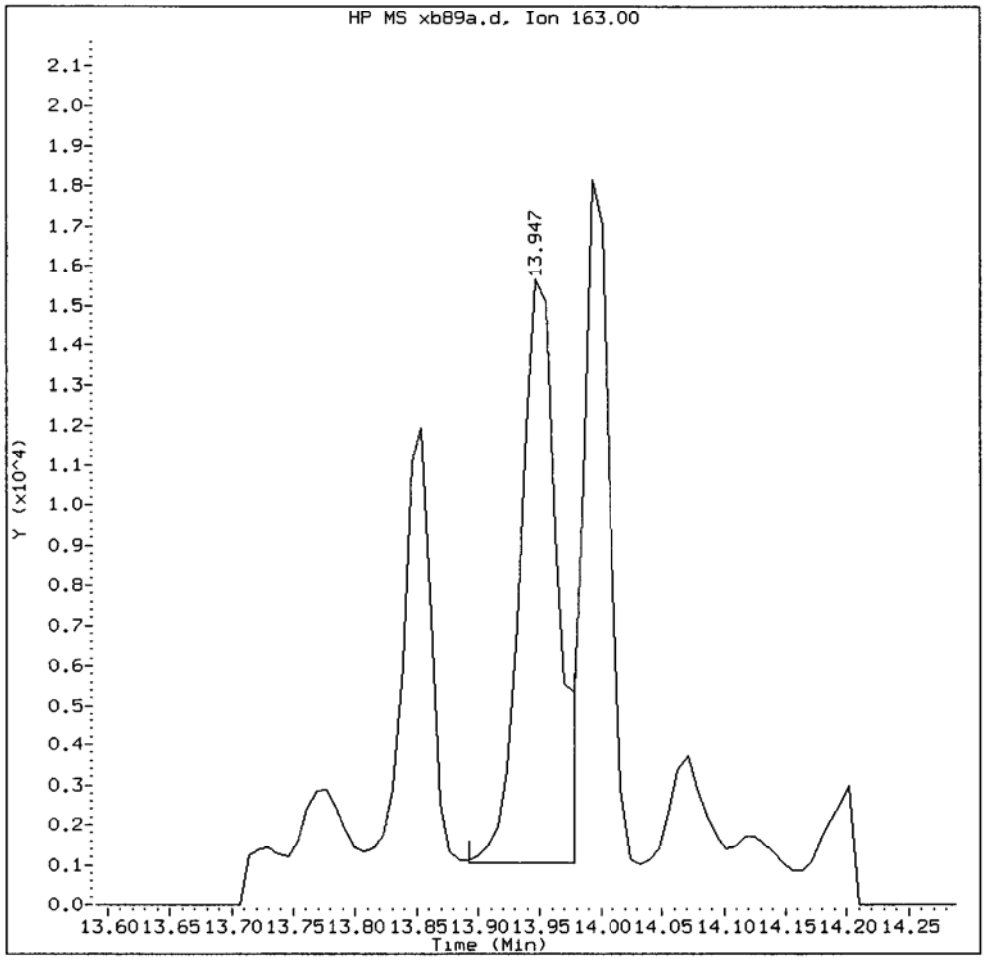


YZ 9/9/13



XB89A, /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Dimethylphthalate Amount: 0.44 Area: 30854



MANUAL INTEGRATION for Dimethylphthalate

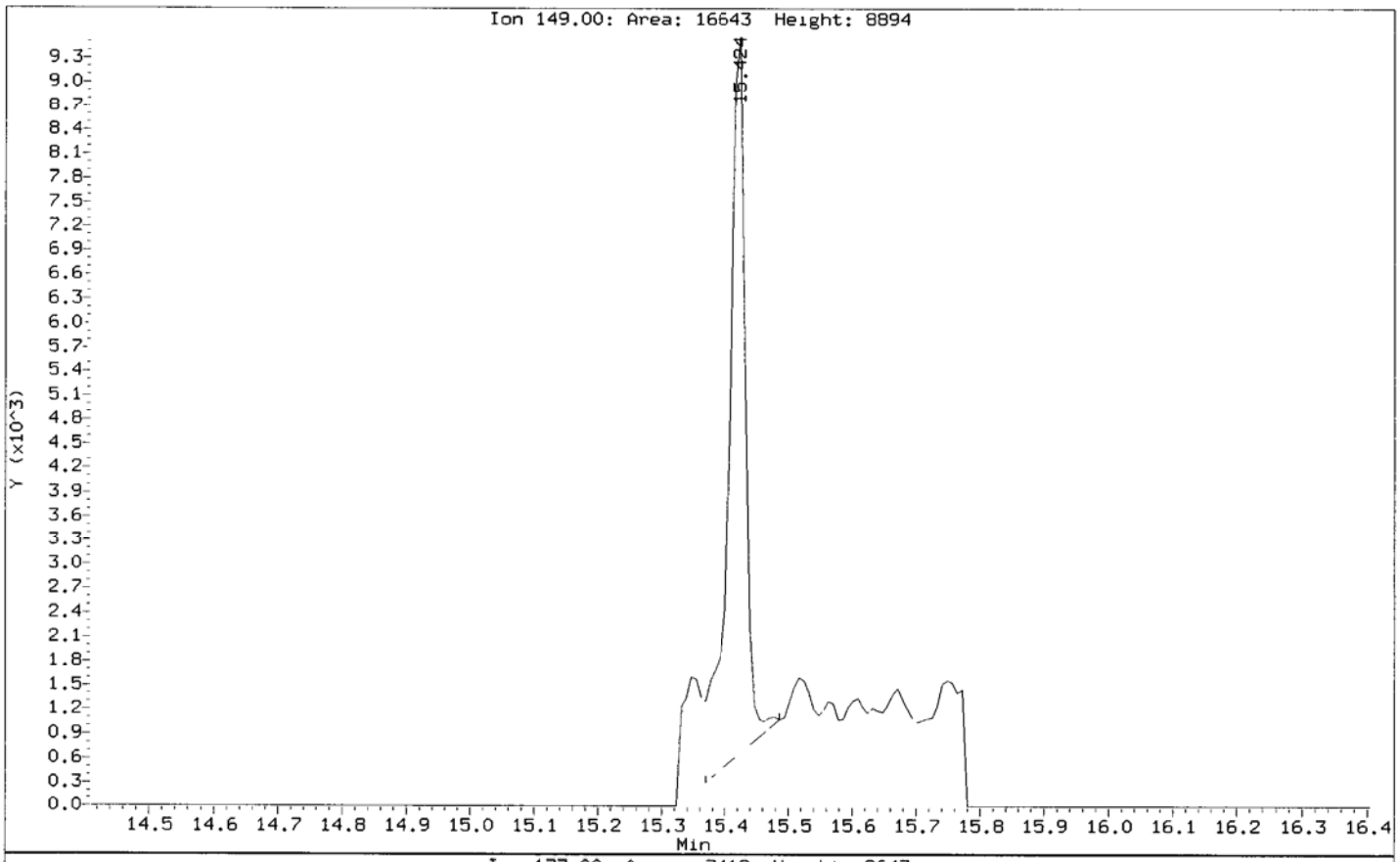
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

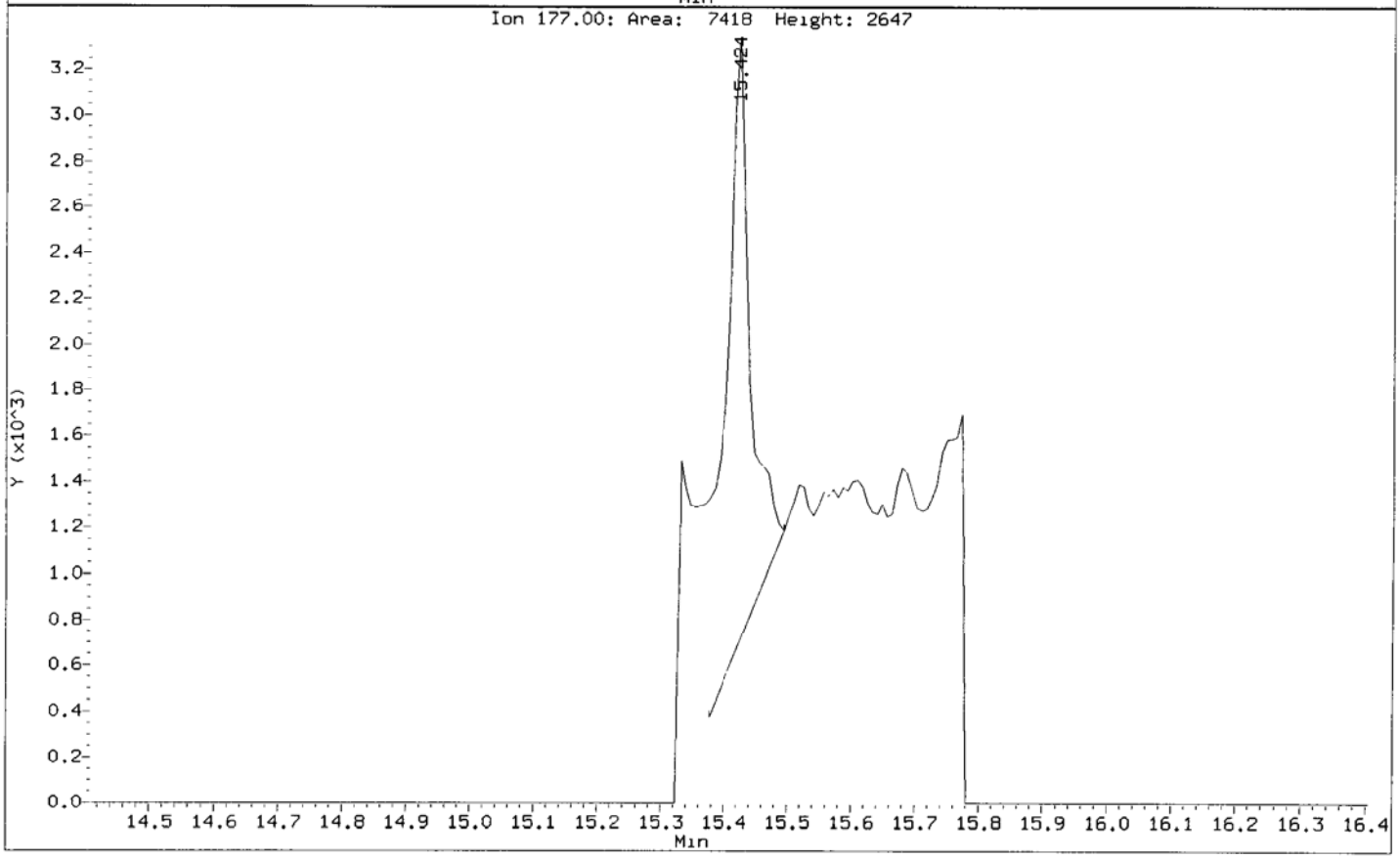
5. Other _____

Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89a.d
Injection Date: 02-SEP-2013 14:44
Instrument: nt10.i
Client Sample ID: IJ13-SS-102

Compound: Diethylphthalate
CAS Number: 84-66-2

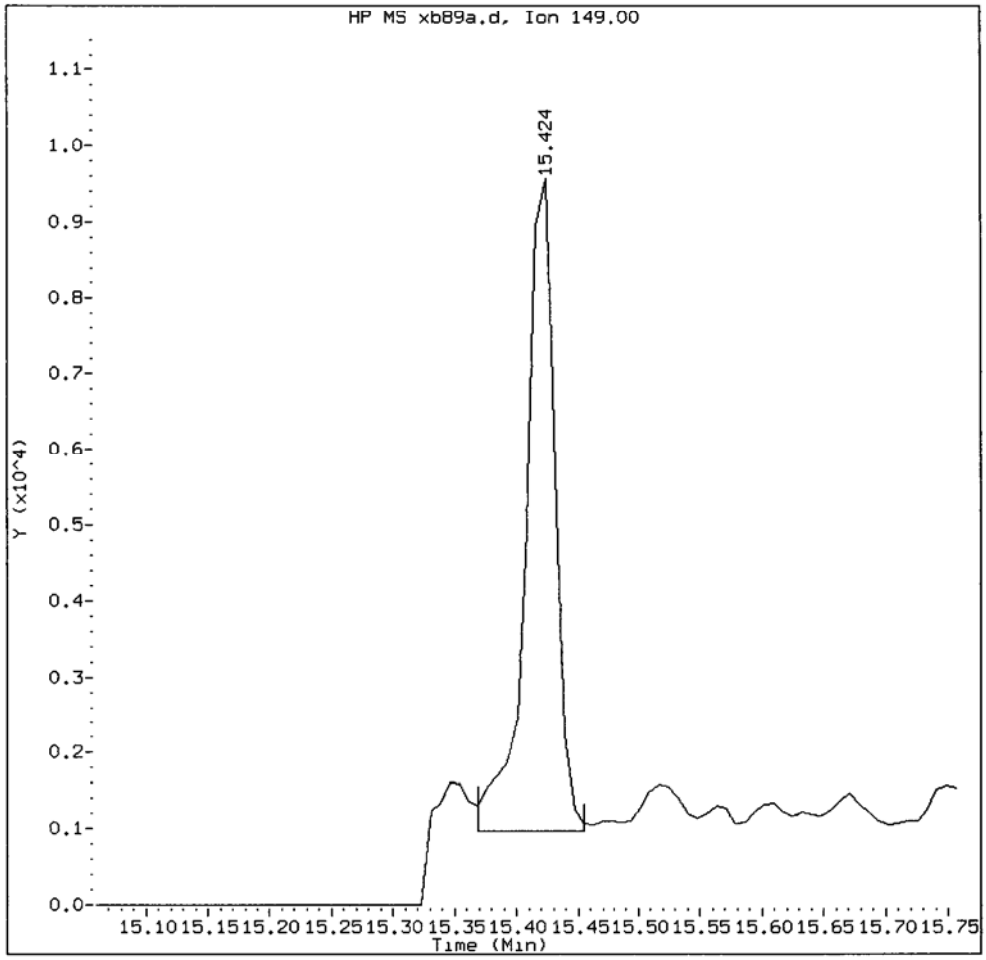




XB89 : 00866

XB89A, /chem1/nt10.i/20130902.b/SIM.b/xb89a.d

Diethylphthalate Amount: 0.17 Area: 14355



MANUAL INTEGRATION for Diethylphthalate

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: KZ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89a.d

Lab ID: XB89A, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 9/9/13

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89b.d
Lab Smp Id: XB89B Client Smp ID: IJ13-SS-101
Inj Date : 02-SEP-2013 15:19
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89B
Misc Info : 13-17437
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:16 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 8
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	18.28000	Weight of sample extracted (g)
M	41.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.164	6.102	(0.732)	96779	2.52626	705.1
3	Phenol	94	7.795	7.756	(0.926)	33771	0.77297	215.7
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	125104	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	79	8.708	8.677	(1.034)	5948	0.26432	73.77(M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
13	2-Methylphenol	108	8.918	8.887	(1.059)	3236	0.09091	25.37
15	4-Methylphenol	108	9.229	9.182	(1.096)	66201	1.81422	506.4
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.242	10.219	(0.941)	5226	0.13541	37.79(M)
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.890	10.874	(1.000)	453494	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					
39	Dimethylphthalate	163	13.954	13.939	(0.964)	12797	0.17986	50.20(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.473	14.457	(1.000)	241188	4.00000	
	50 Diethylphthalate	149	15.423	15.408	(1.066)	20511	0.23778	66.37(M)
	54 N-Nitrosodiphenylamine	169	15.887	15.864	(0.905)	10448	0.20741	57.89
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.556	17.525	(1.000)	486576	4.00000	
$	66 Terphenyl-d14	244	20.783	20.759	(0.916)	78308	1.60704	448.5
	67 Butylbenzylphthalate	149	21.719	21.696	(0.958)	3546	0.07535	21.03(M)
*	69 Chrysene-d12	240	22.679	22.656	(1.000)	469937	4.00000	
*	77 Perylene-d12	264	25.103	25.072	(1.000)	540909	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.343	27.296	(1.089)	36985	0.28363	79.16
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89b.d
Lab Smp Id: XB89B
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17437

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-SS-101
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	125104	-22.06
27 Naphthalene-d8	576038	288019	1152076	453494	-21.27
42 Acenaphthene-d10	314384	157192	628768	241188	-23.28
59 Phenanthrene-d10	686356	343178	1372712	486576	-29.11
69 Chrysene-d12	741751	370876	1483502	469937	-36.64
77 Perylene-d12	800926	400463	1601852	540909	-32.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.09
27 Naphthalene-d8	10.87	10.37	11.37	10.89	0.14
42 Acenaphthene-d10	14.46	13.96	14.96	14.47	0.11
59 Phenanthrene-d10	17.53	17.03	18.03	17.56	0.18
69 Chrysene-d12	22.66	22.16	23.16	22.68	0.10
77 Perylene-d12	25.07	24.57	25.57	25.10	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

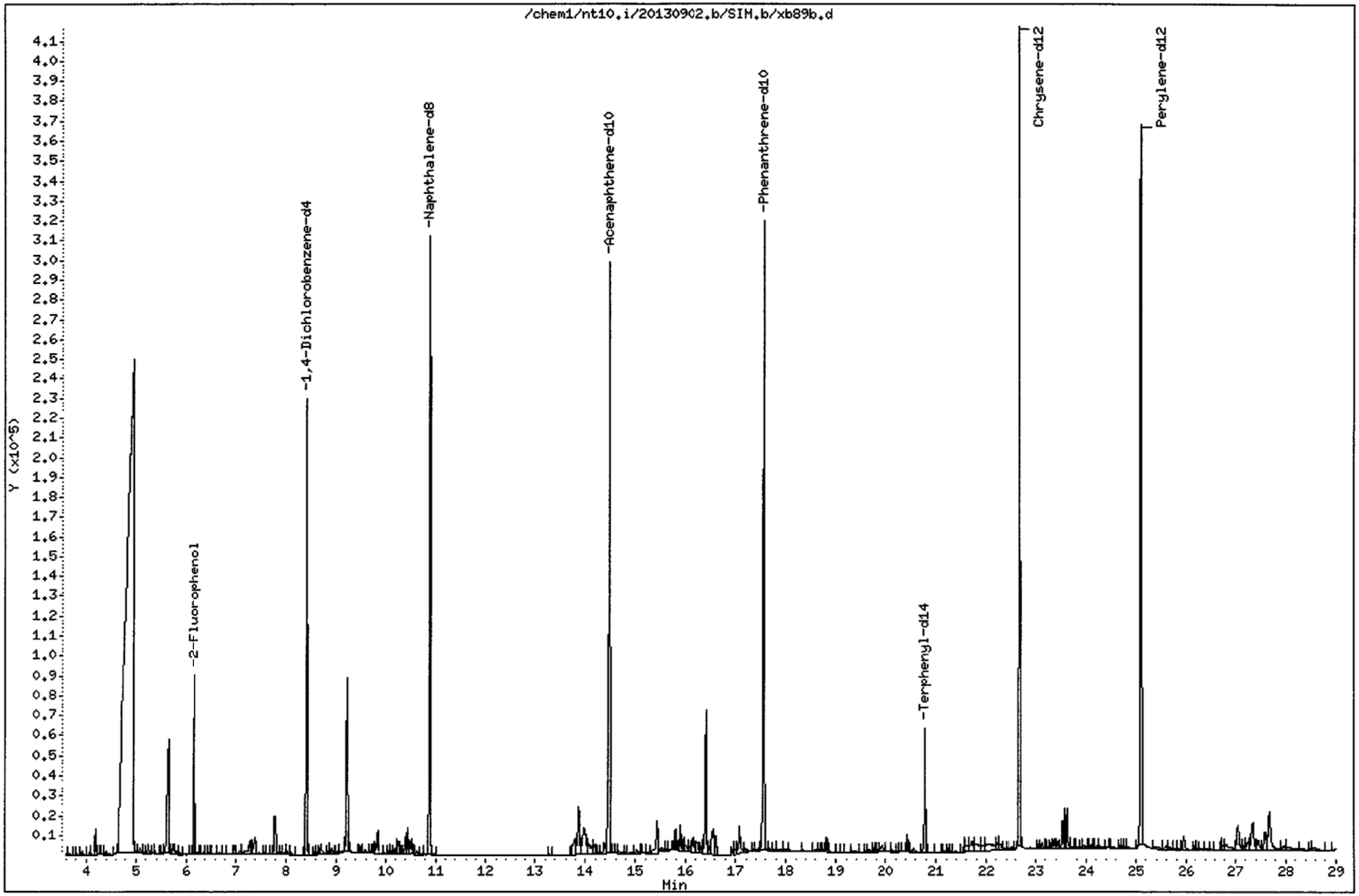
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89B Client Smp ID: IJ13-SS-101
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17437

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	697.8	705.1	101.05	27-120
$ 66 Terphenyl-d14	465.2	448.5	96.42	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d
Date : 02-SEP-2013 15:19
Client ID: IJ13-SS-101
Sample Info: XB89B
Volume Injected (uL): 1.0
Column phase: ZB-5ms1

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 00001

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

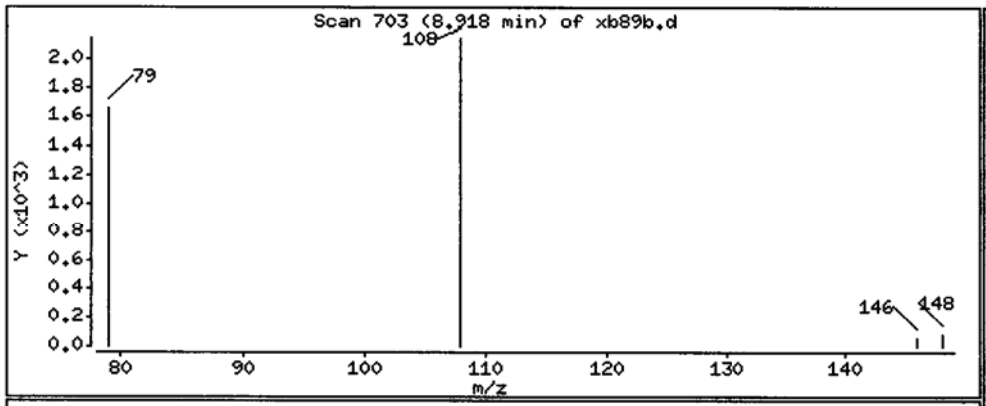
Operator: VTS/YZ

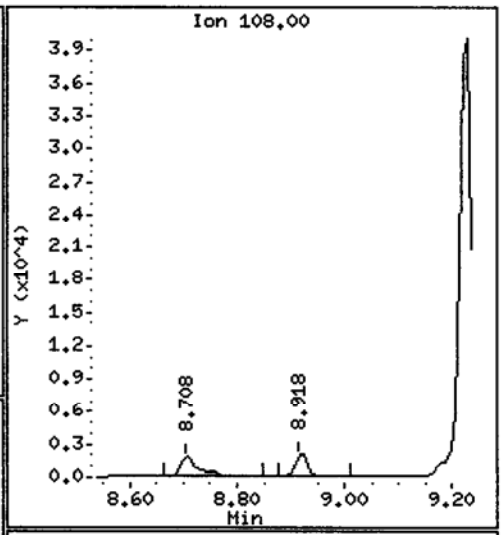
Column phase: ZB-5msi

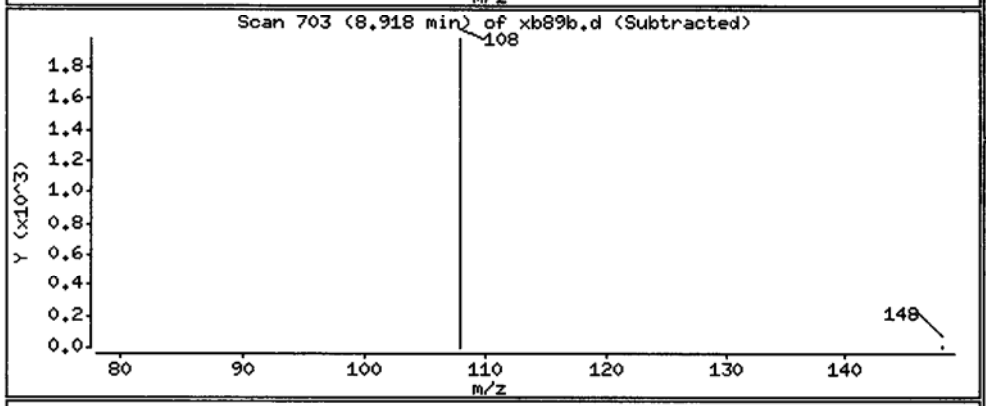
Column diameter: 0.25

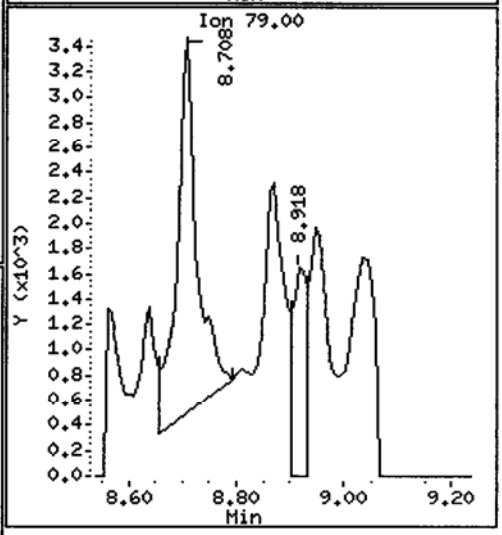
13 2-Methylphenol

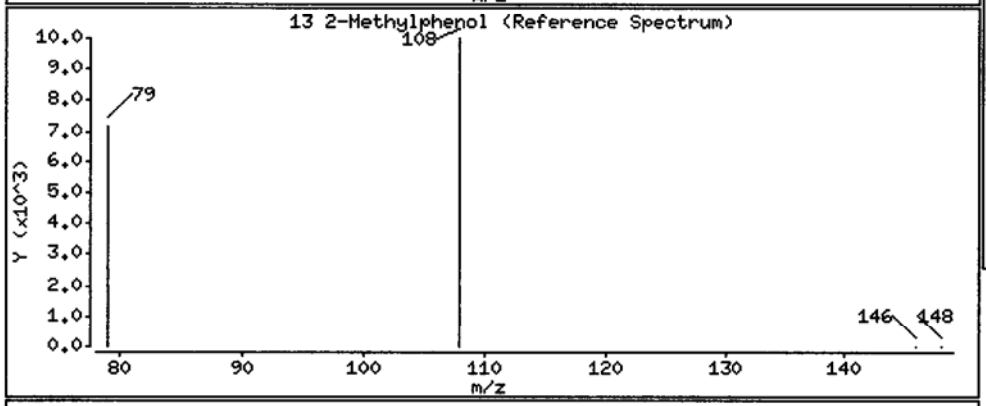
Concentration: 25.37 ug/kg

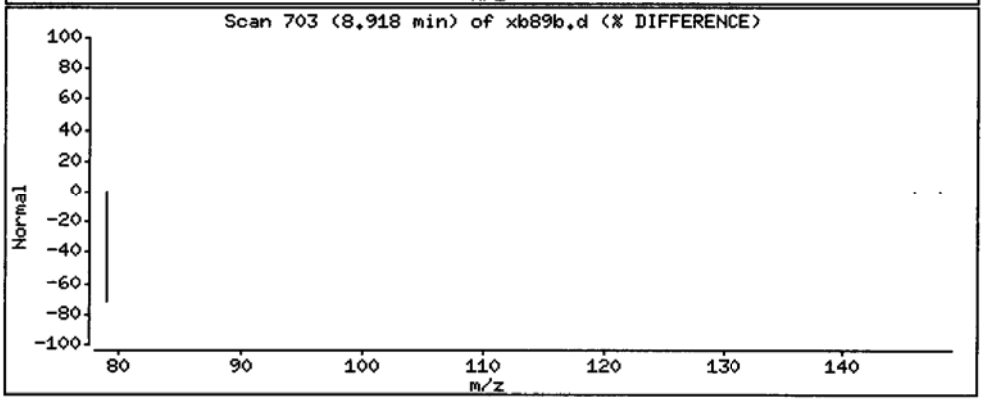












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

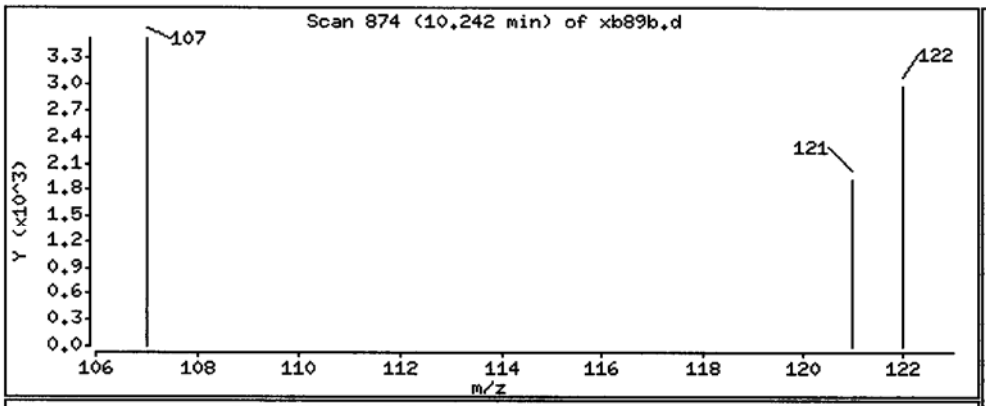
Operator: VTS/YZ

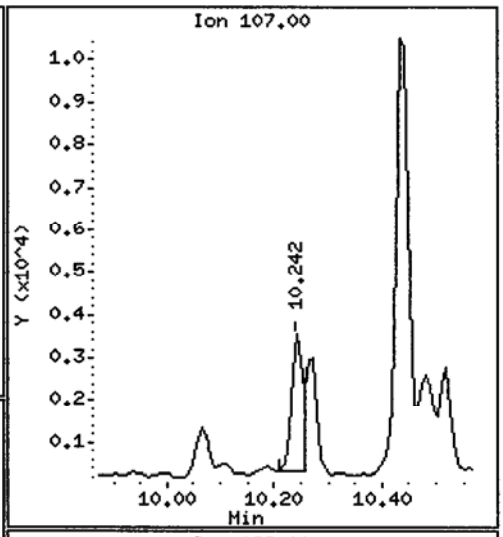
Column phase: ZB-5msi

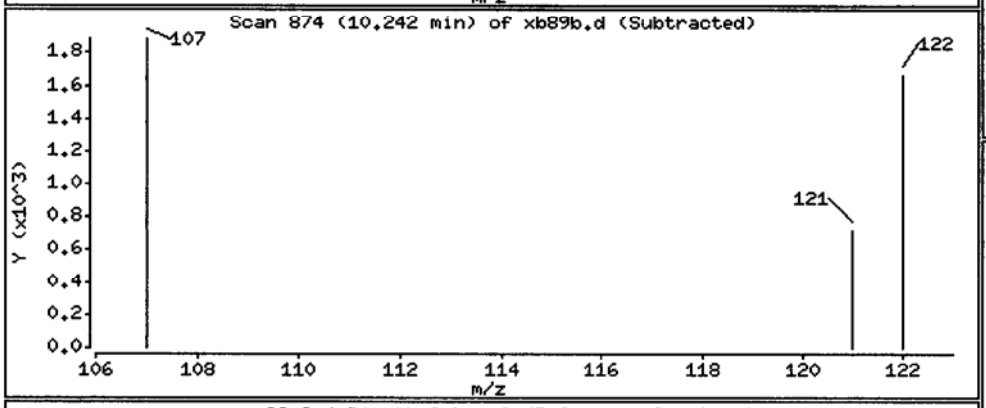
Column diameter: 0.25

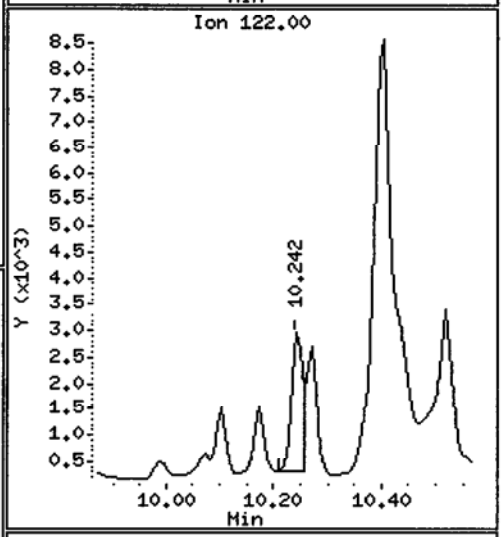
22 2,4-Dimethylphenol

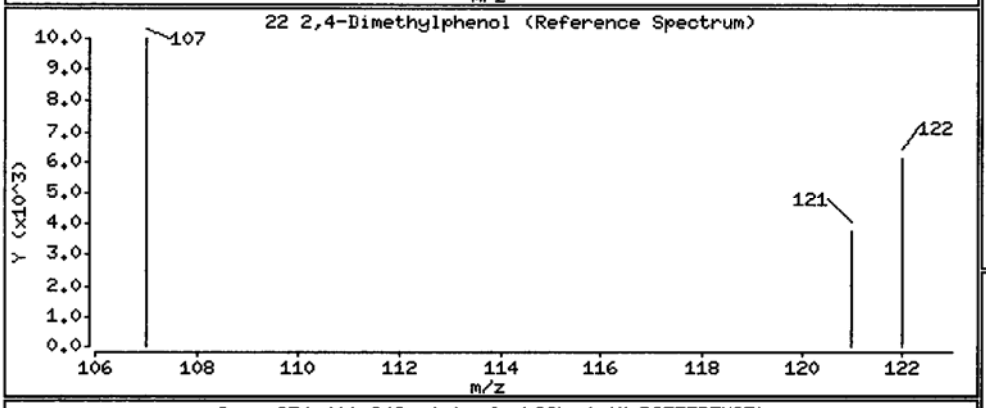
Concentration: 37.79 ug/kg

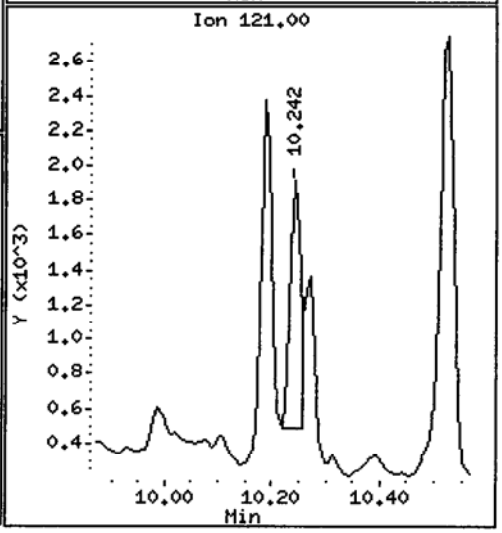


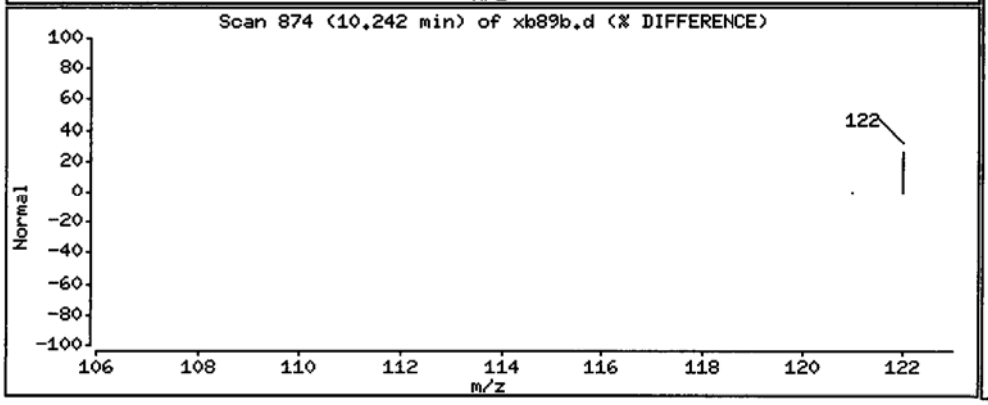












XB89:00865

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

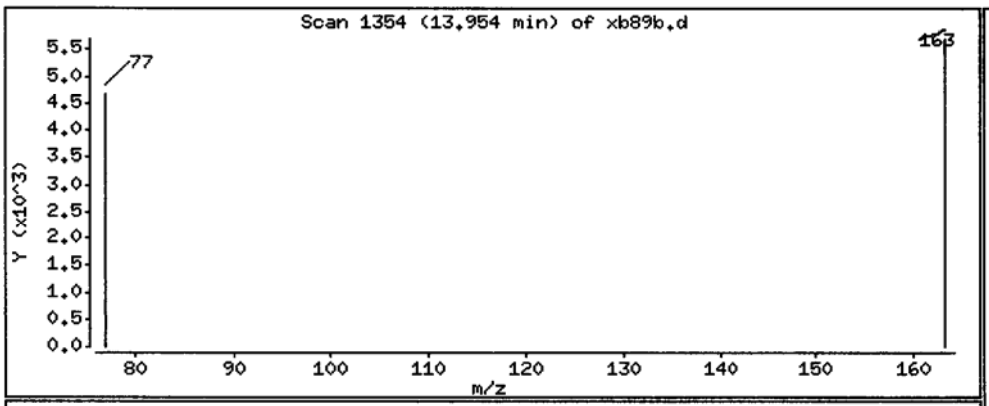
Operator: VTS/YZ

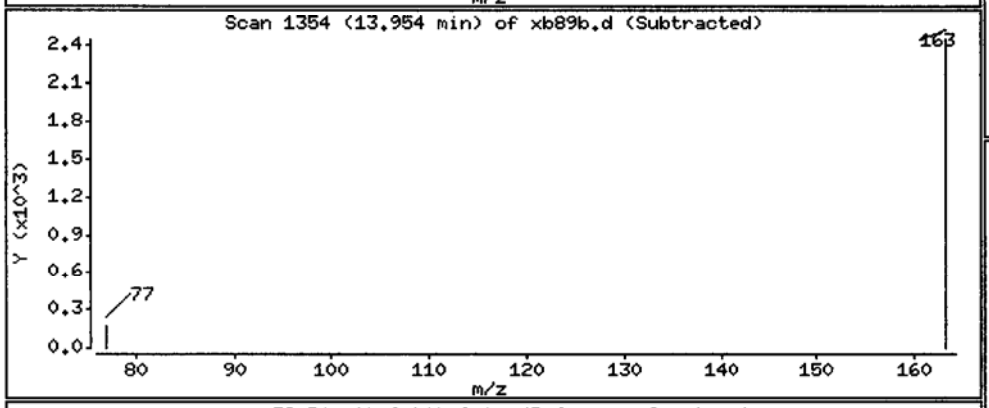
Column phase: ZB-5msi

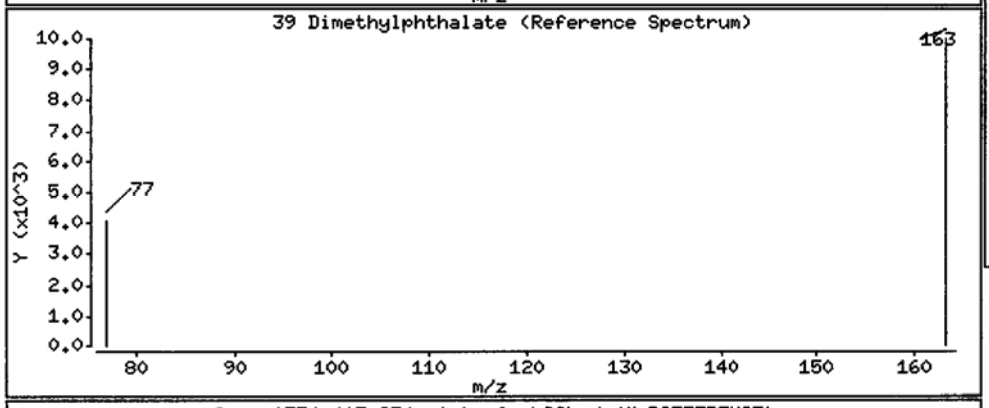
Column diameter: 0.25

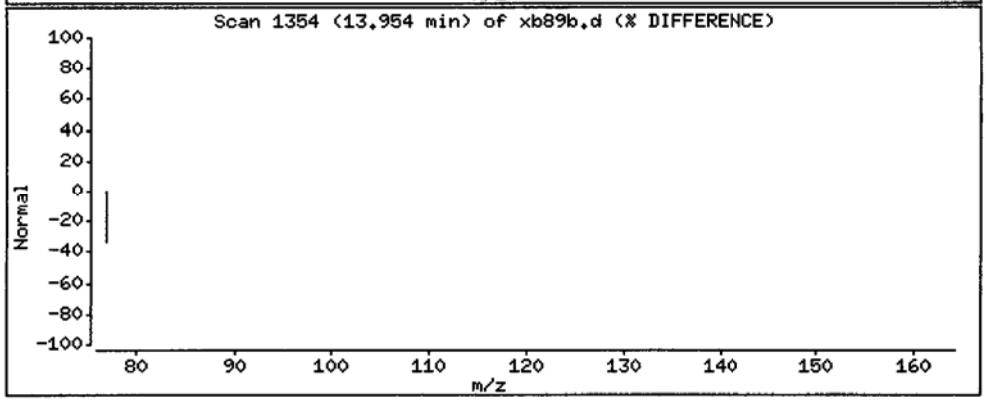
39 Dimethylphthalate

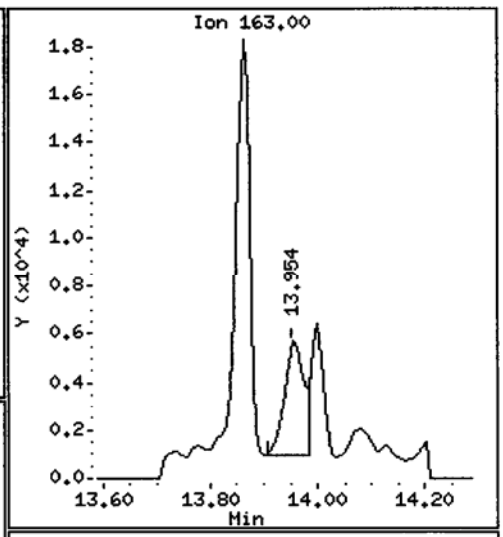
Concentration: 50.20 ug/kg

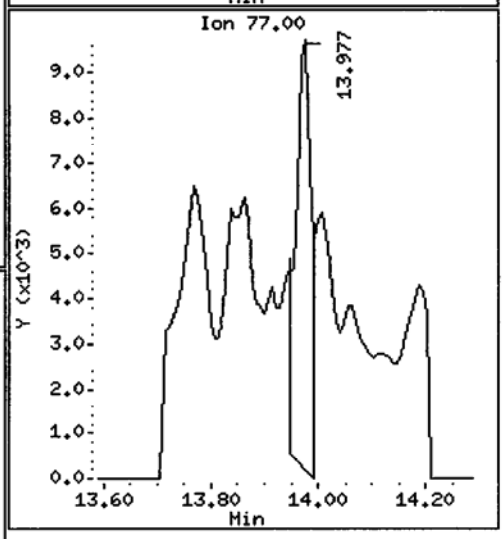












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

Operator: VTS/YZ

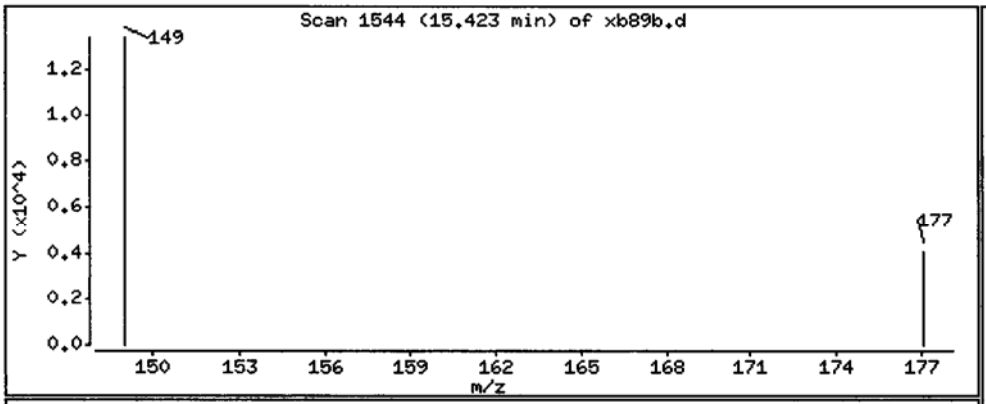
Column phase: ZB-5msi

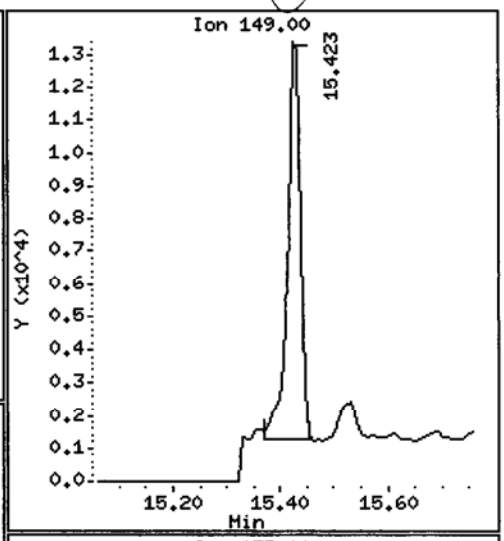
Column diameter: 0.25

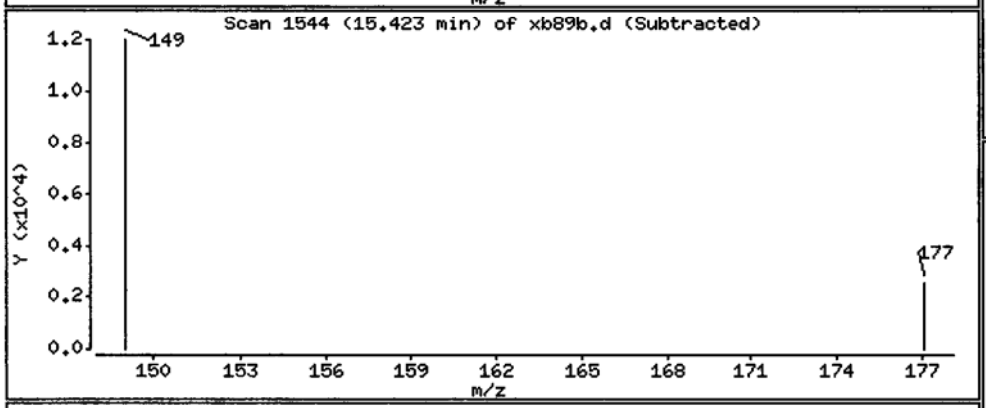
50 Diethylphthalate

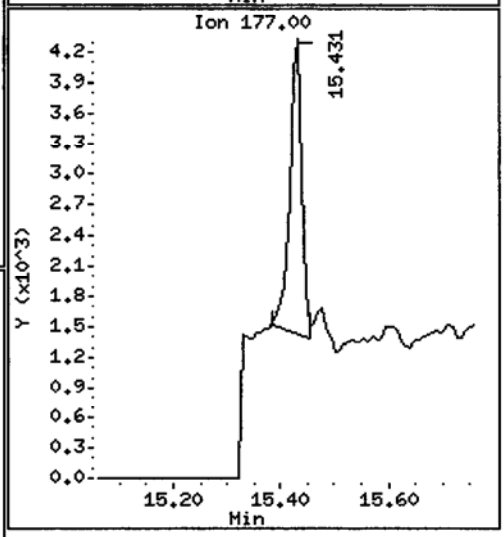
Concentration: 66.37 ug/kg

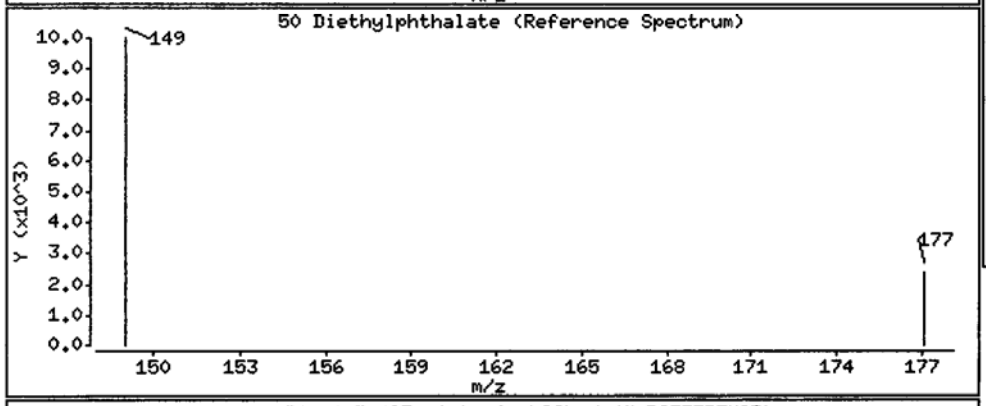
(6)

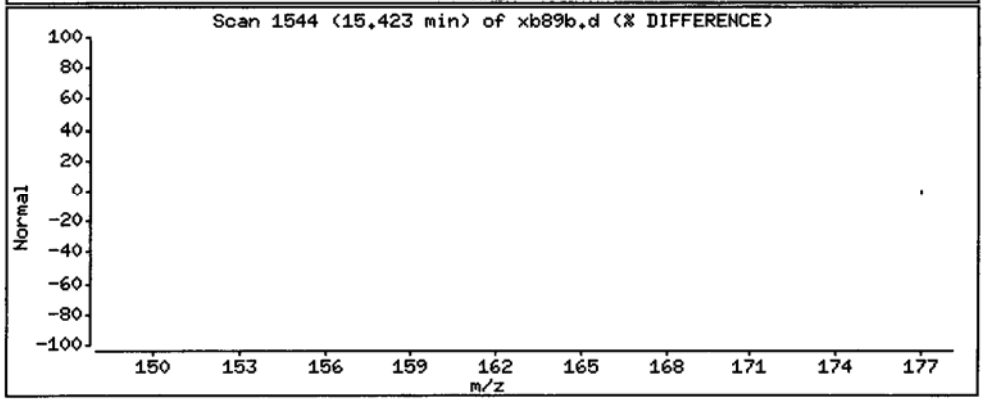












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

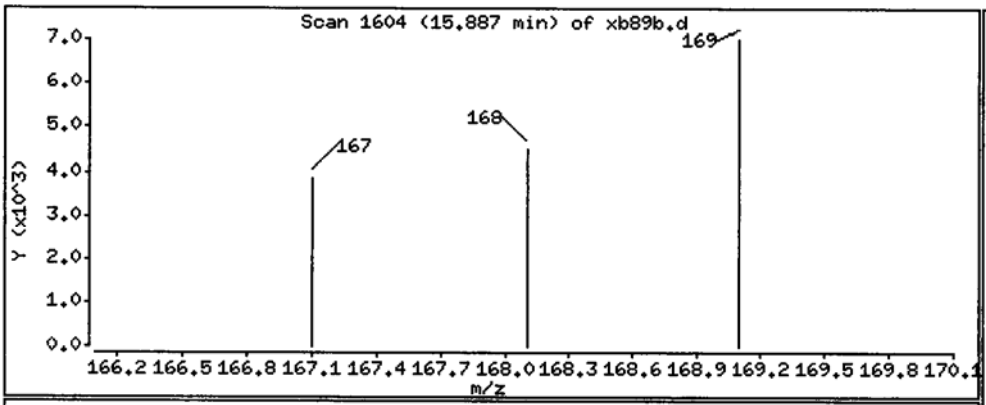
Operator: VTS/YZ

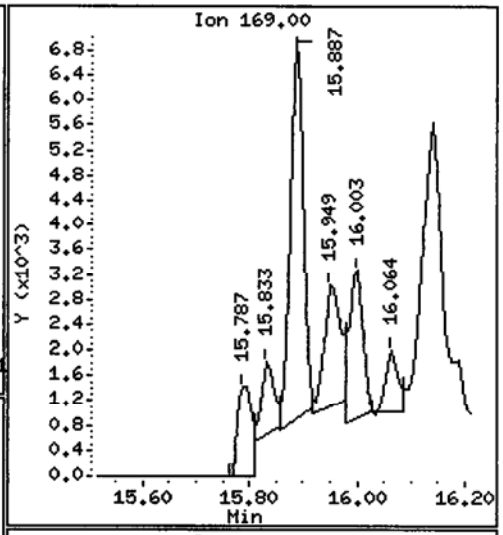
Column phase: ZB-5msi

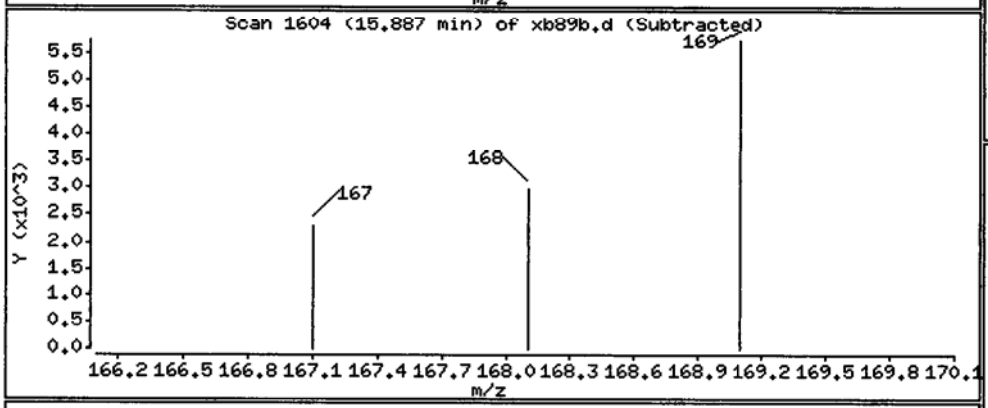
Column diameter: 0.25

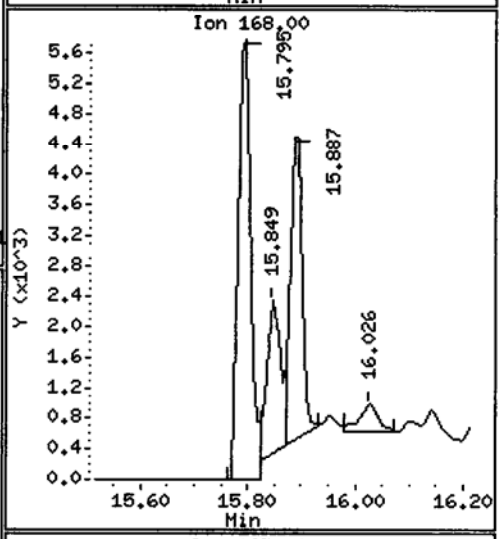
54 N-Nitrosodiphenylamine

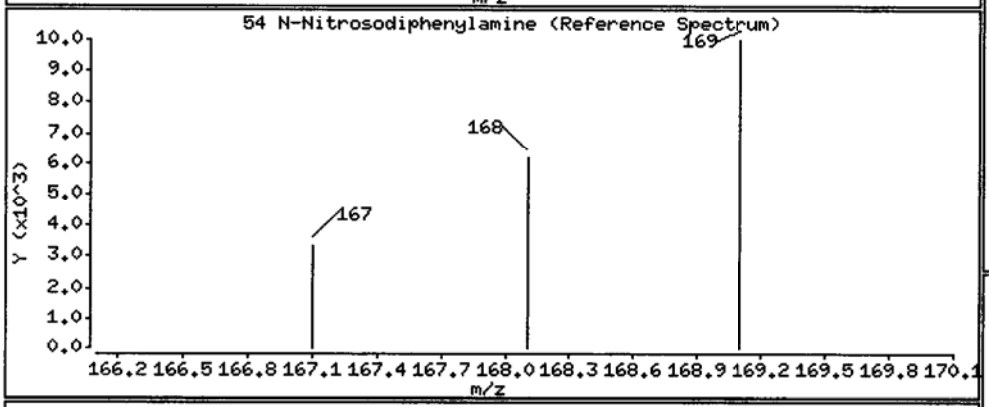
Concentration: 57.89 ug/kg

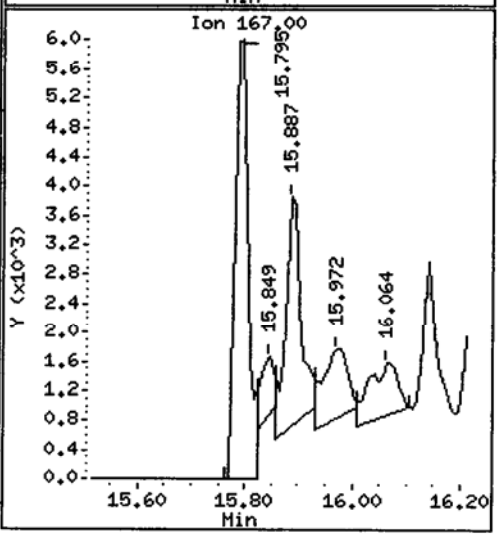


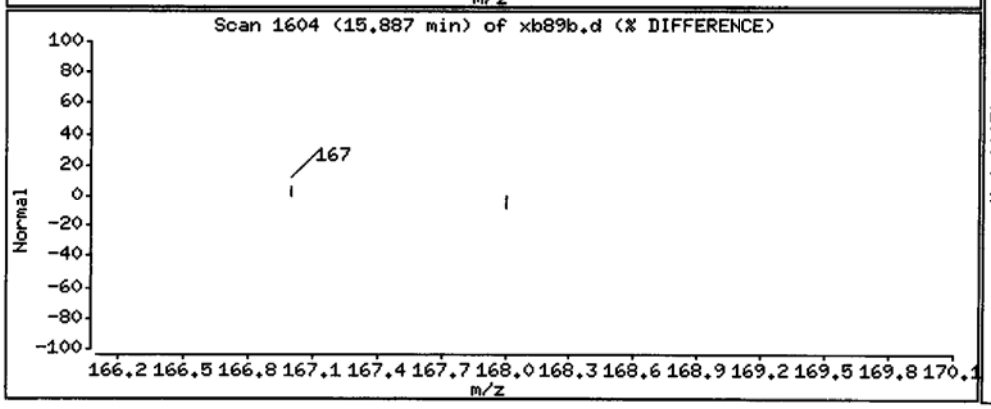












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

Client ID: IJ13-SS-101

Instrument: nt10.i

Sample Info: XB89B

Volume Injected (uL): 1.0

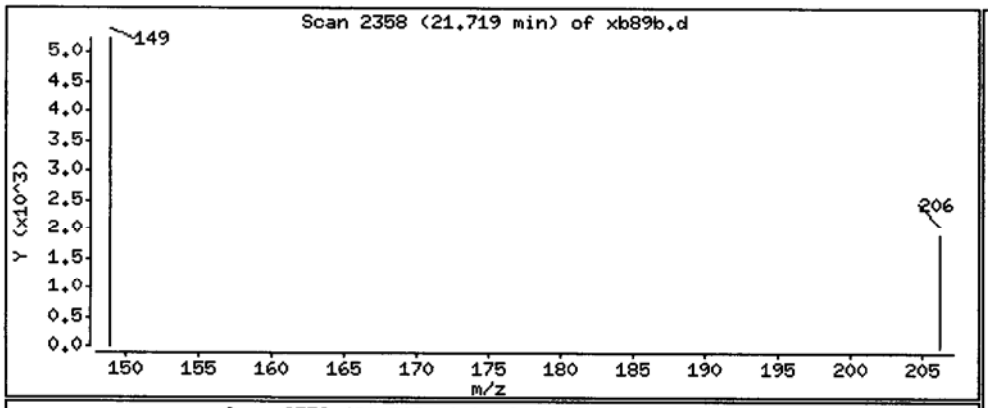
Operator: VTS/YZ

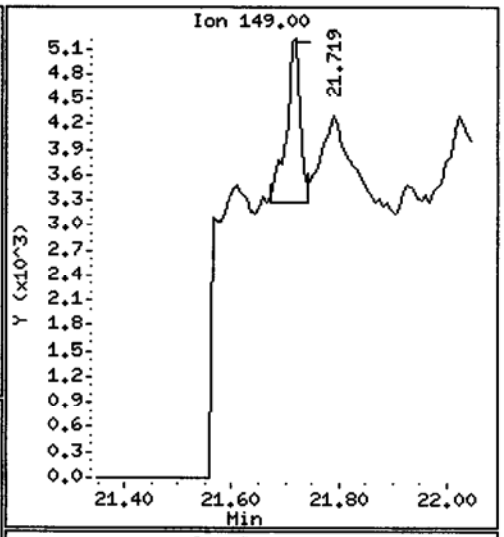
Column phase: ZB-5msi

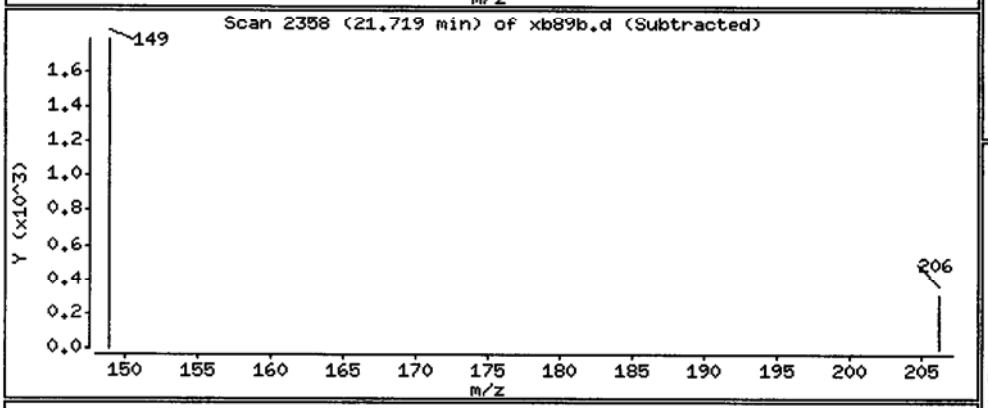
Column diameter: 0.25

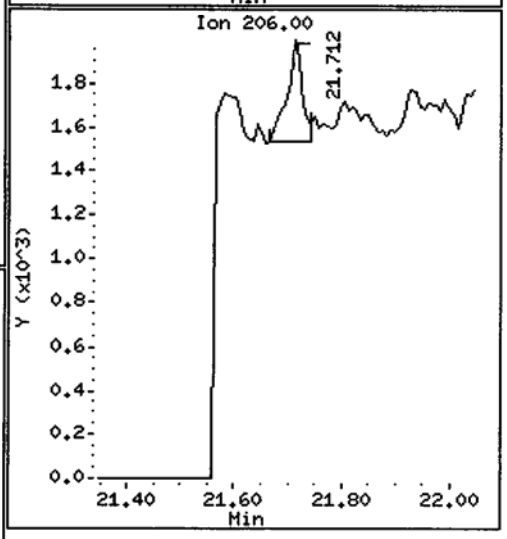
67 Butylbenzylphthalate

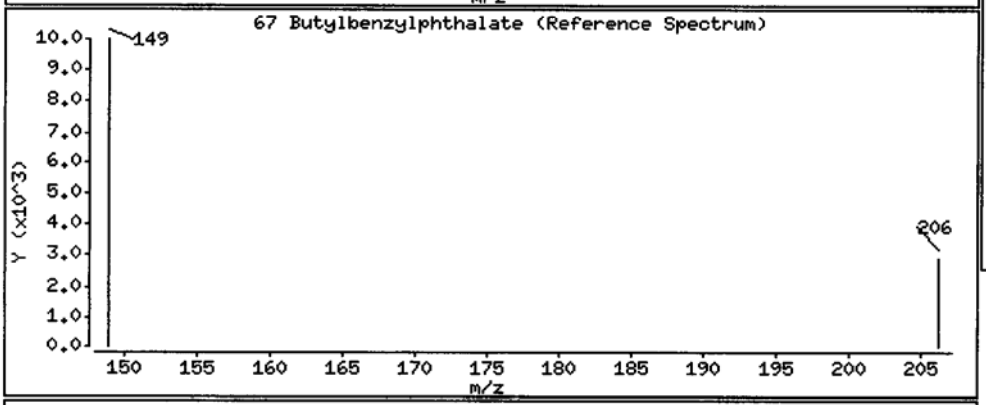
Concentration: 21.03 ug/kg

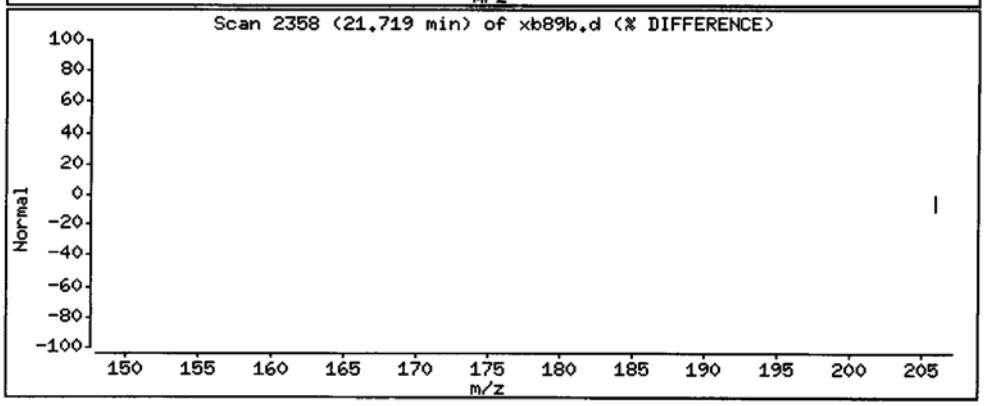












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Date : 02-SEP-2013 15:19

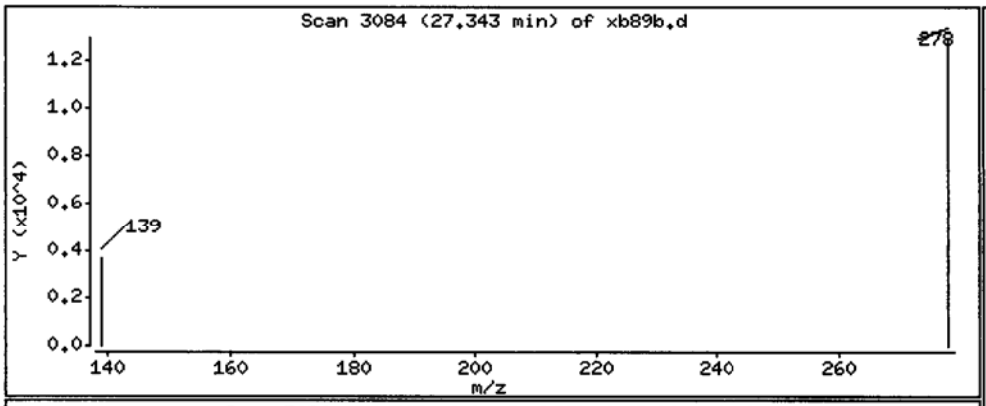
Client ID: IJ13-SS-101 Instrument: nt10.i

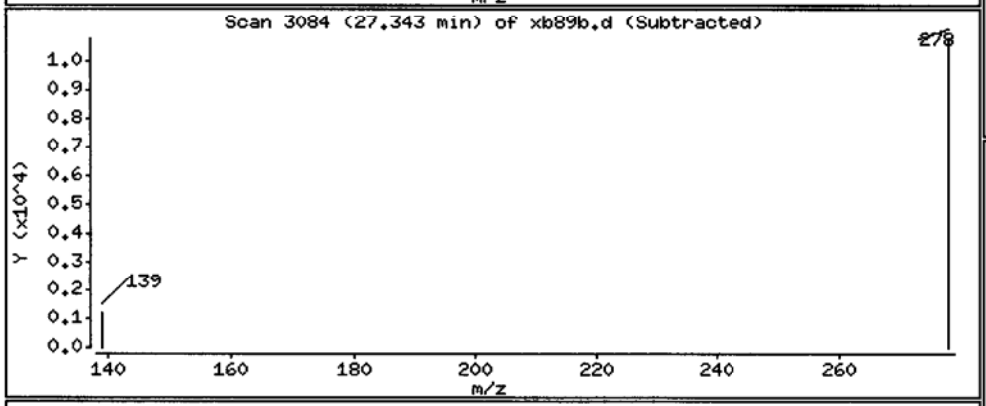
Sample Info: XB89B

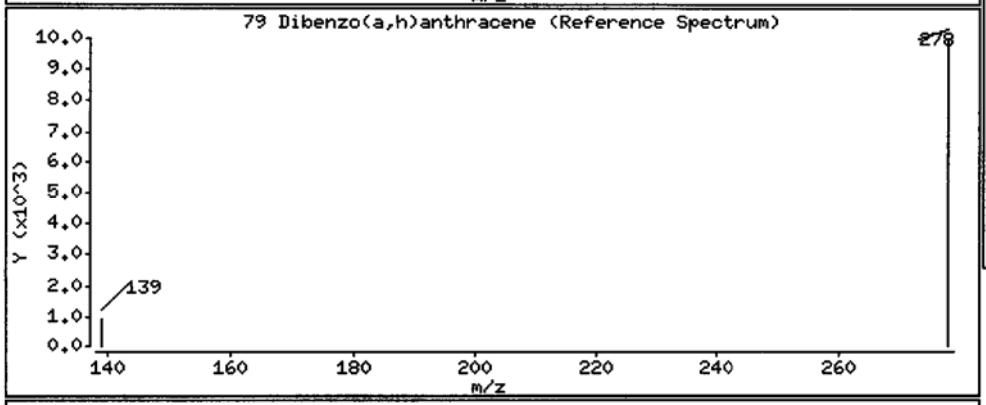
Volume Injected (uL): 1.0 Operator: VTS/YZ

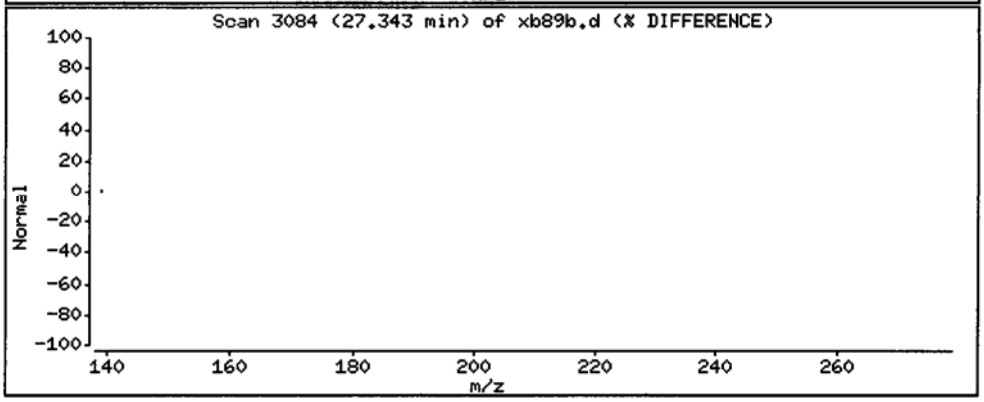
Column phase: ZB-5msi Column diameter: 0.25

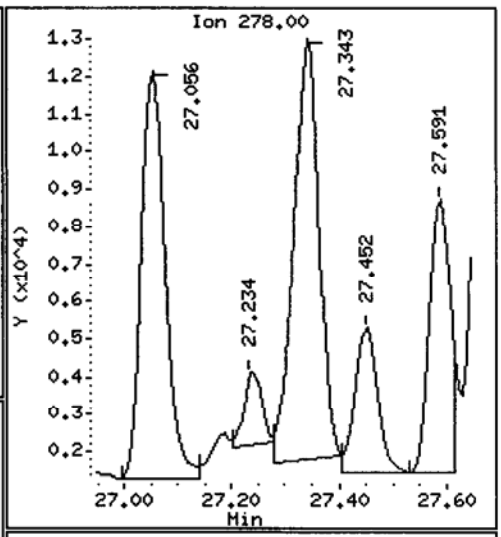
79 Dibenzo(a,h)anthracene Concentration: 79.16 ug/kg

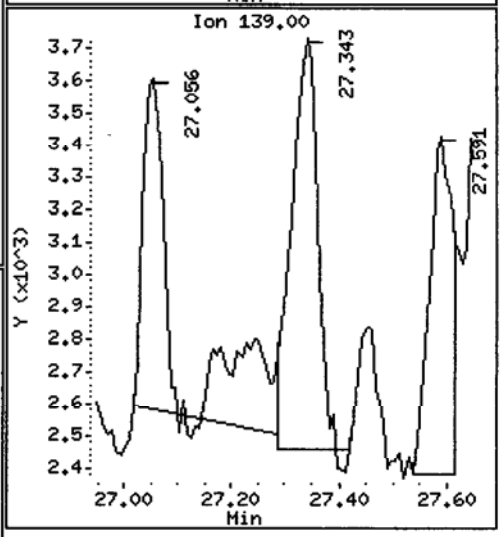






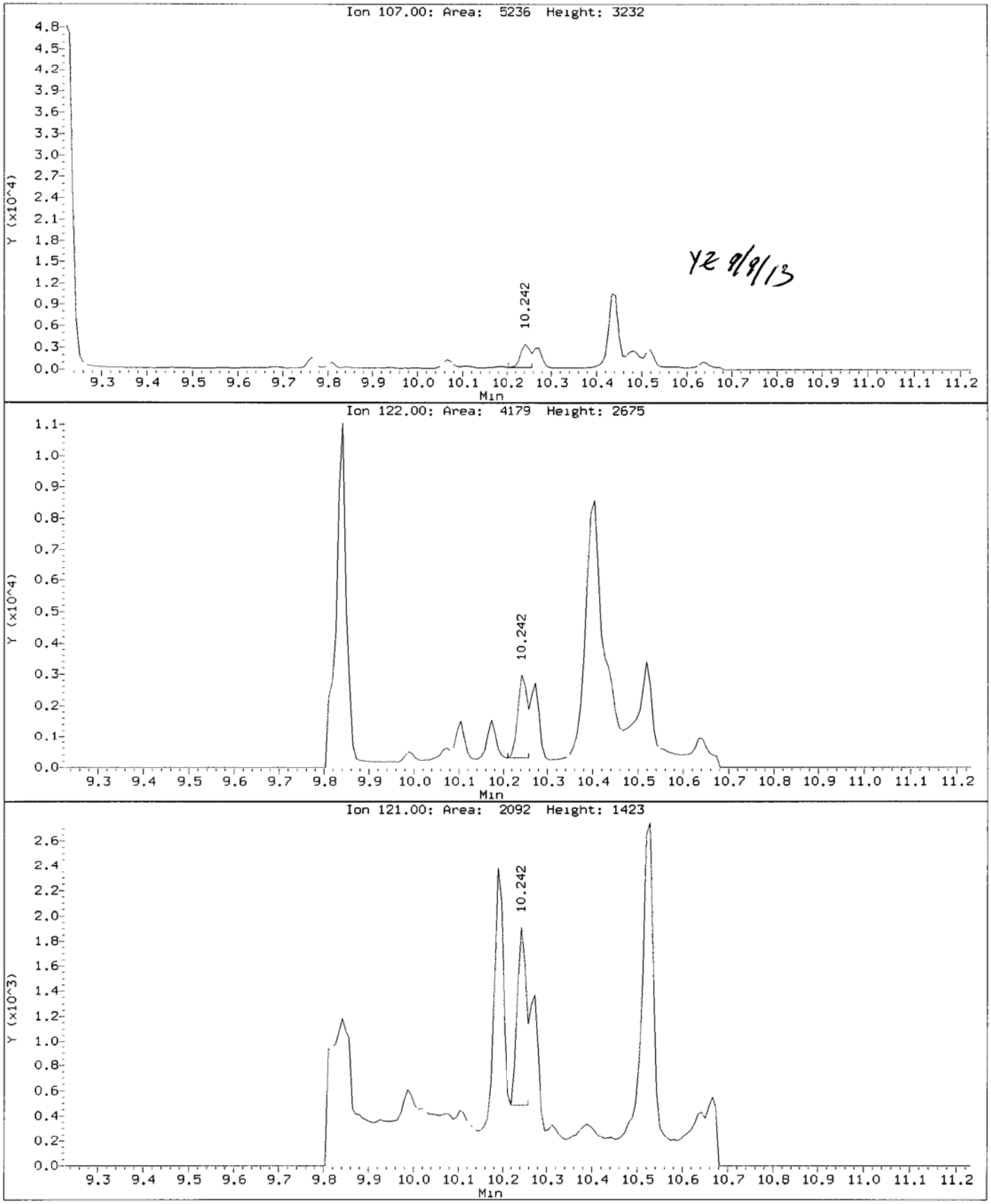






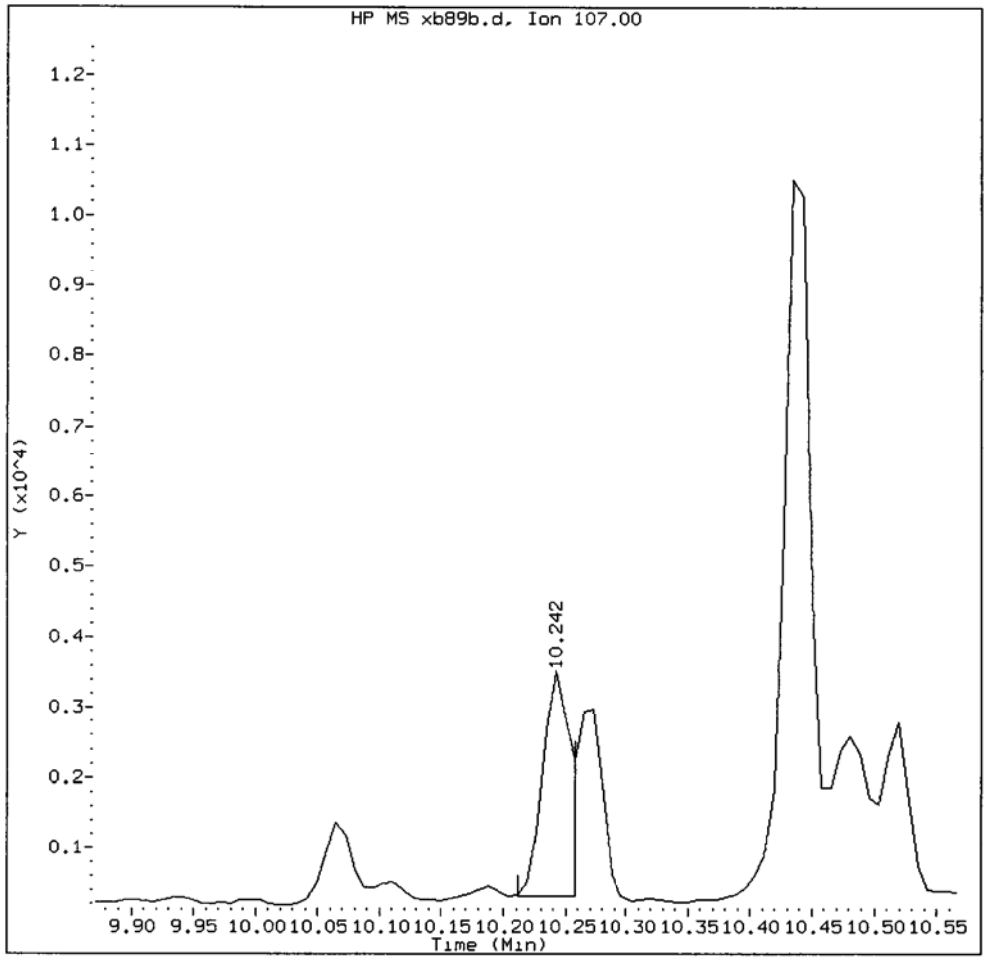
Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89b.d
Injection Date: 02-SEP-2013 15:19
Instrument: nt10.1
Client Sample ID:

Compound: 2,4-Dimethylphenol
CAS Number: 105-67-9



XB89B, /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

2,4-Dimethylphenol Amount: 0.14 Area: 5226



MANUAL INTEGRATION for 2,4-Dimethylphenol

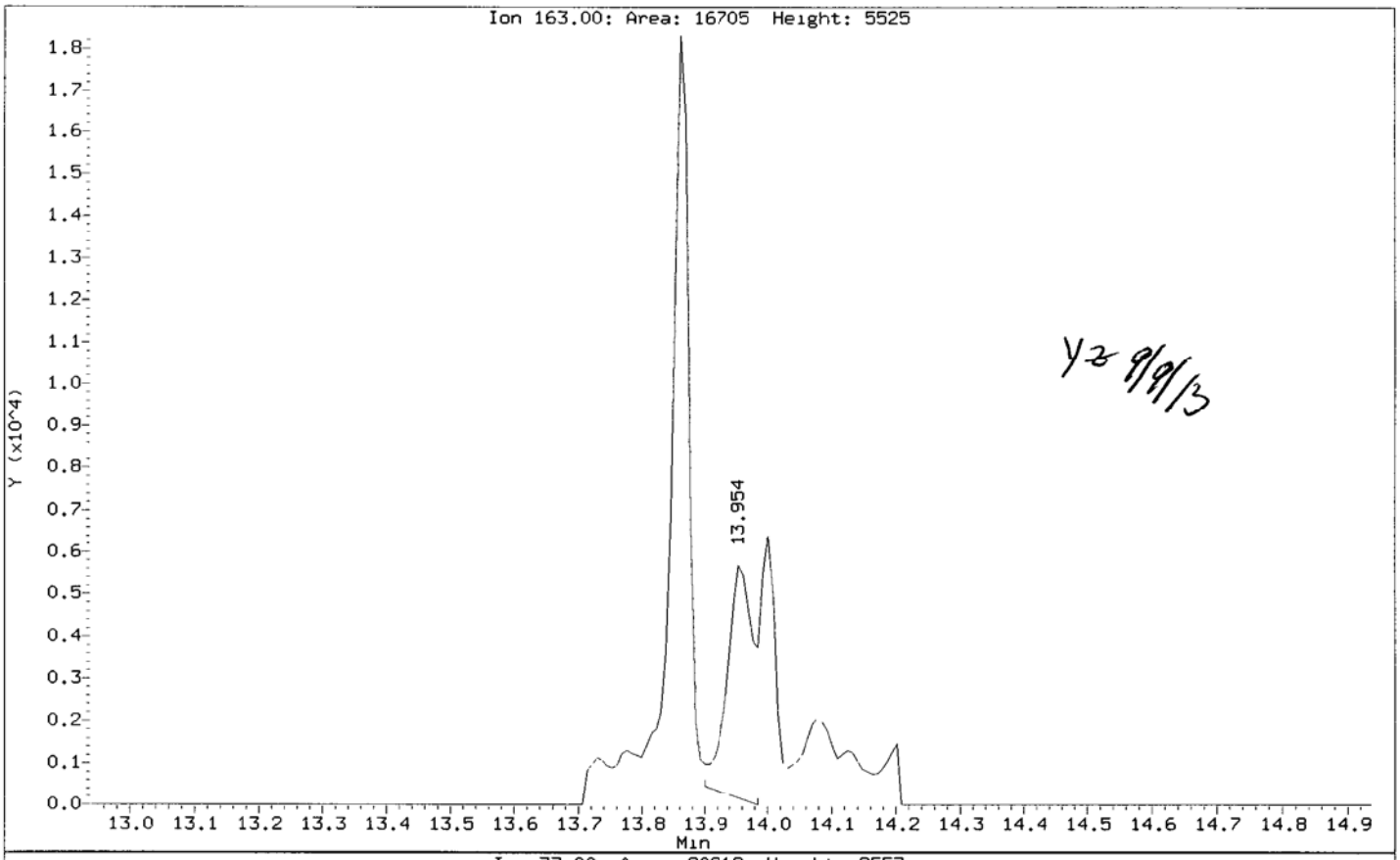
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

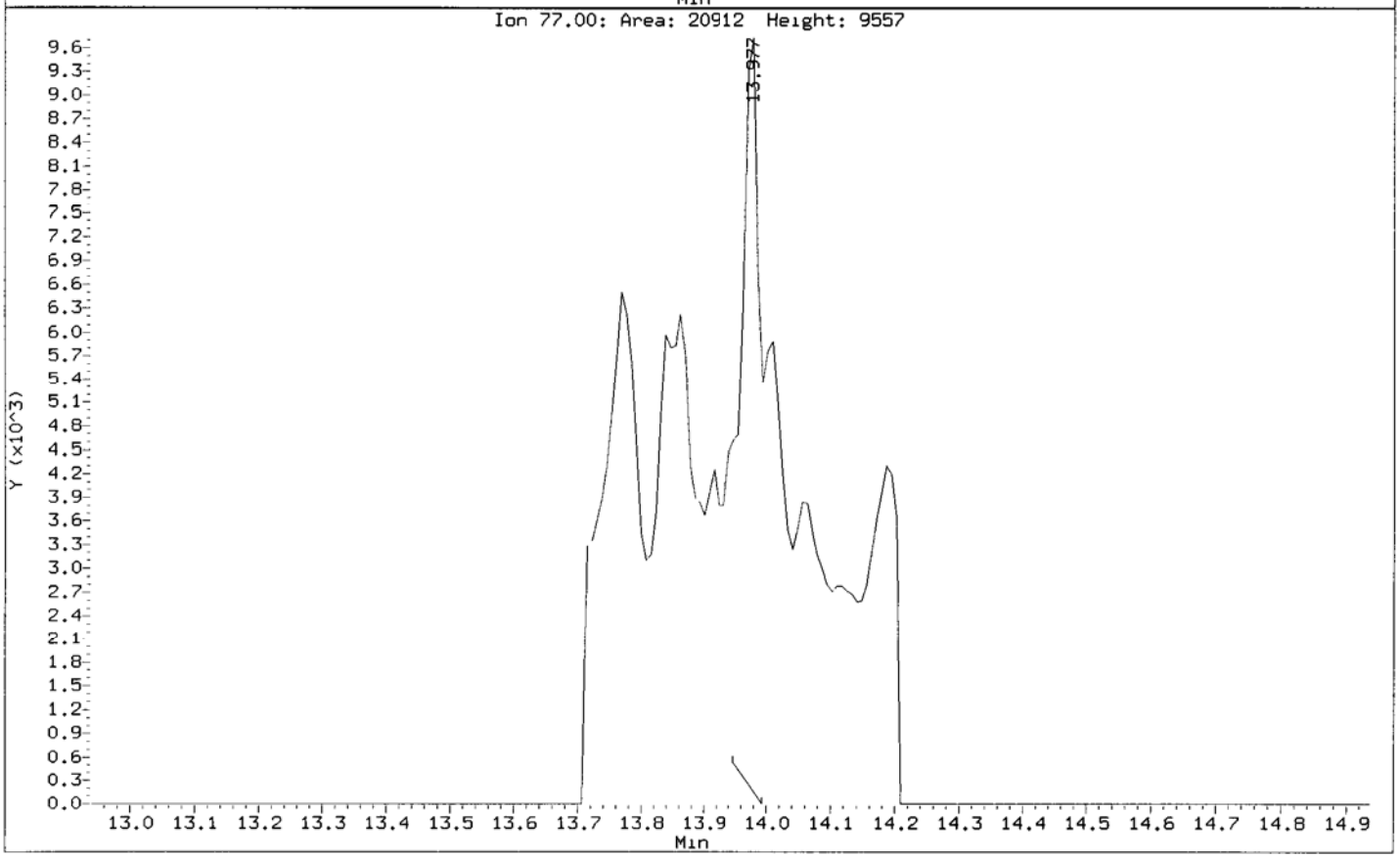
Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89b.d
Injection Date: 02-SEP-2013 15:19
Instrument: nt10.1
Client Sample ID:

Compound: Dimethylphthalate
CAS Number: 131-11-3



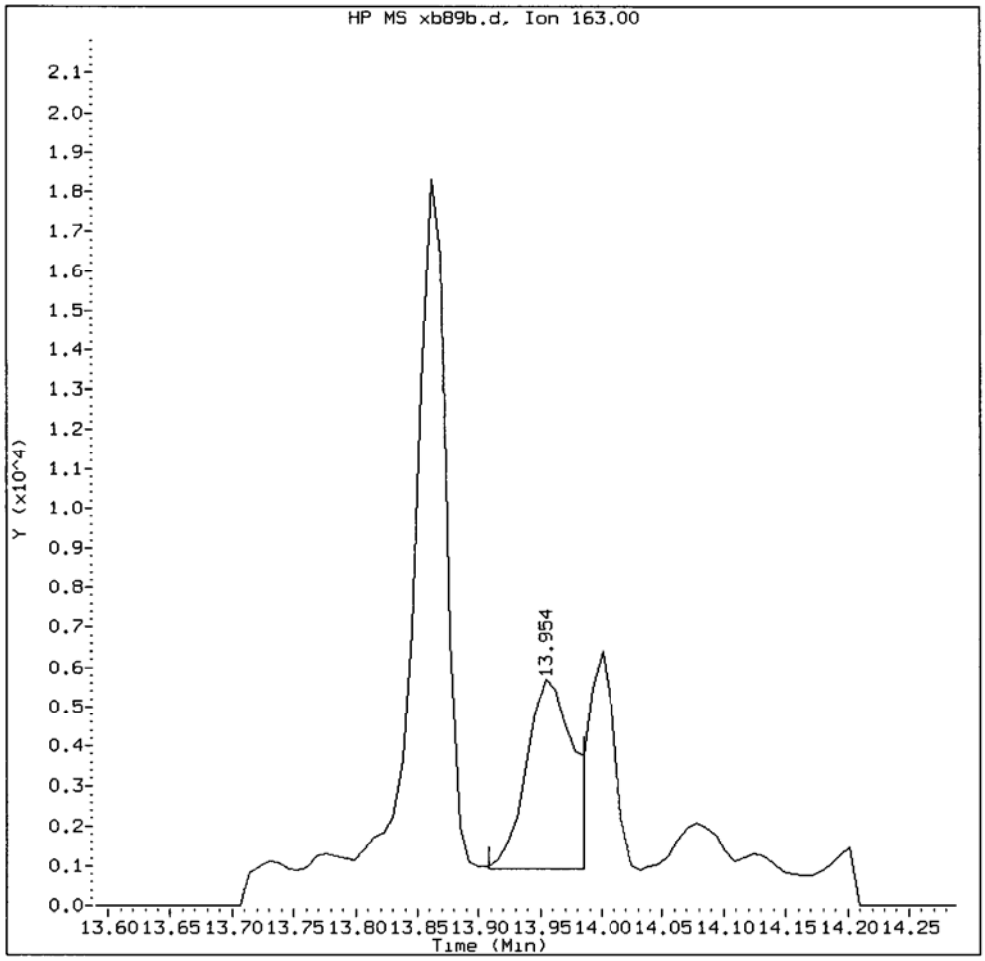
YZ 9/9/13



XB89 : 00877

XB89B, /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Dimethylphthalate Amount: 0.18 Area: 12797



MANUAL INTEGRATION for Dimethylphthalate

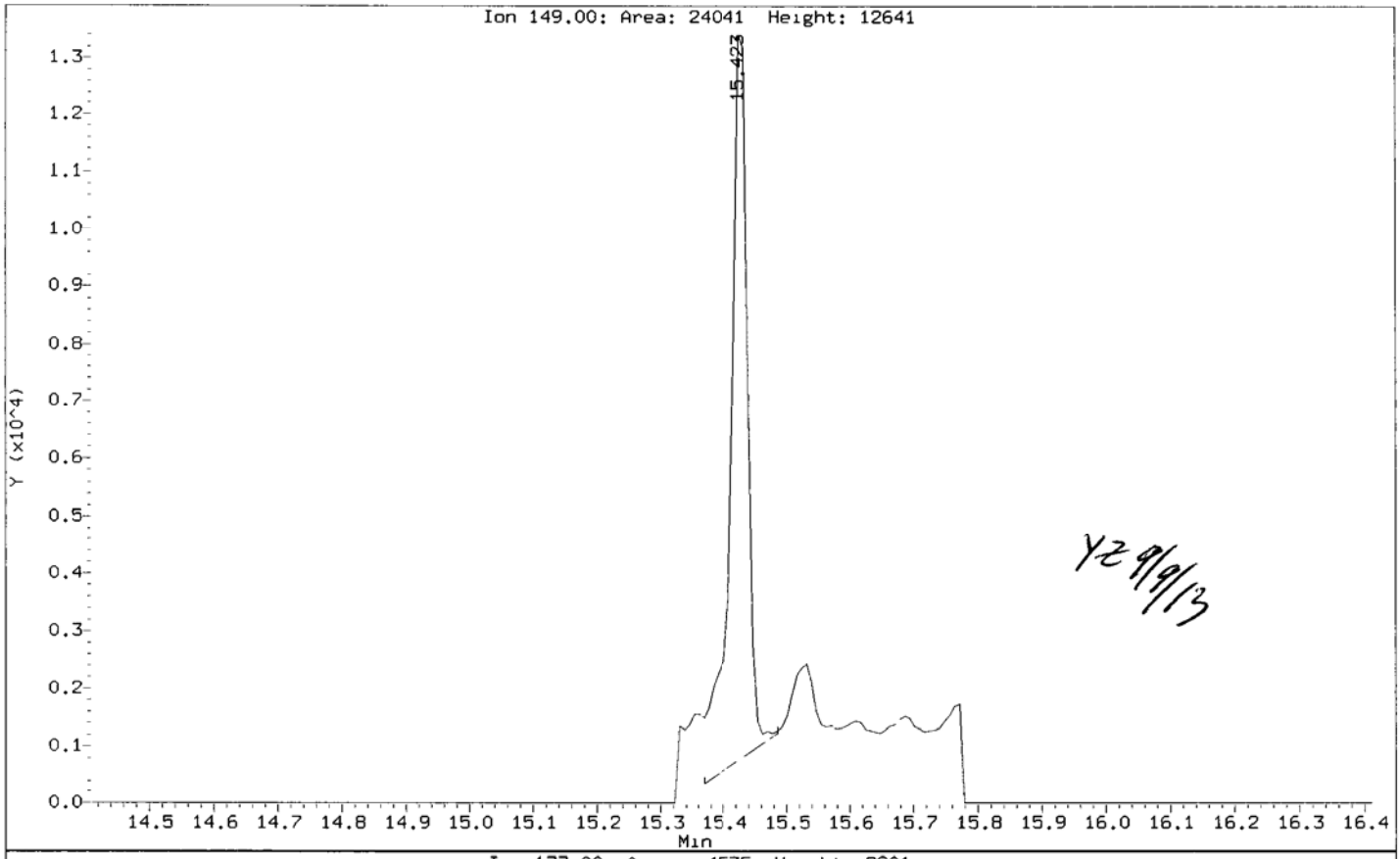
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

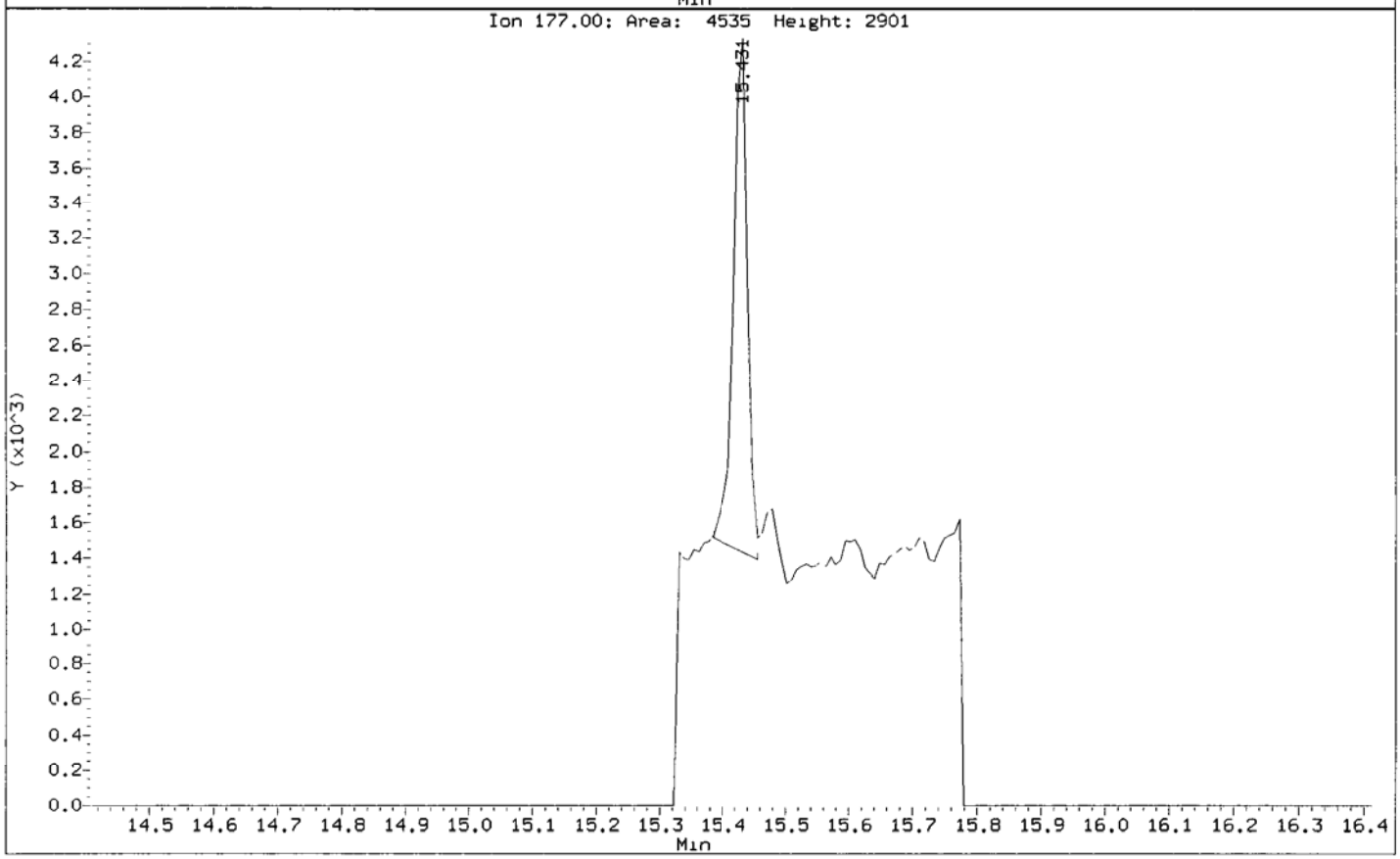
5. Other _____

Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89b.d
Injection Date: 02-SEP-2013 15:19
Instrument: nt10.i
Client Sample ID:

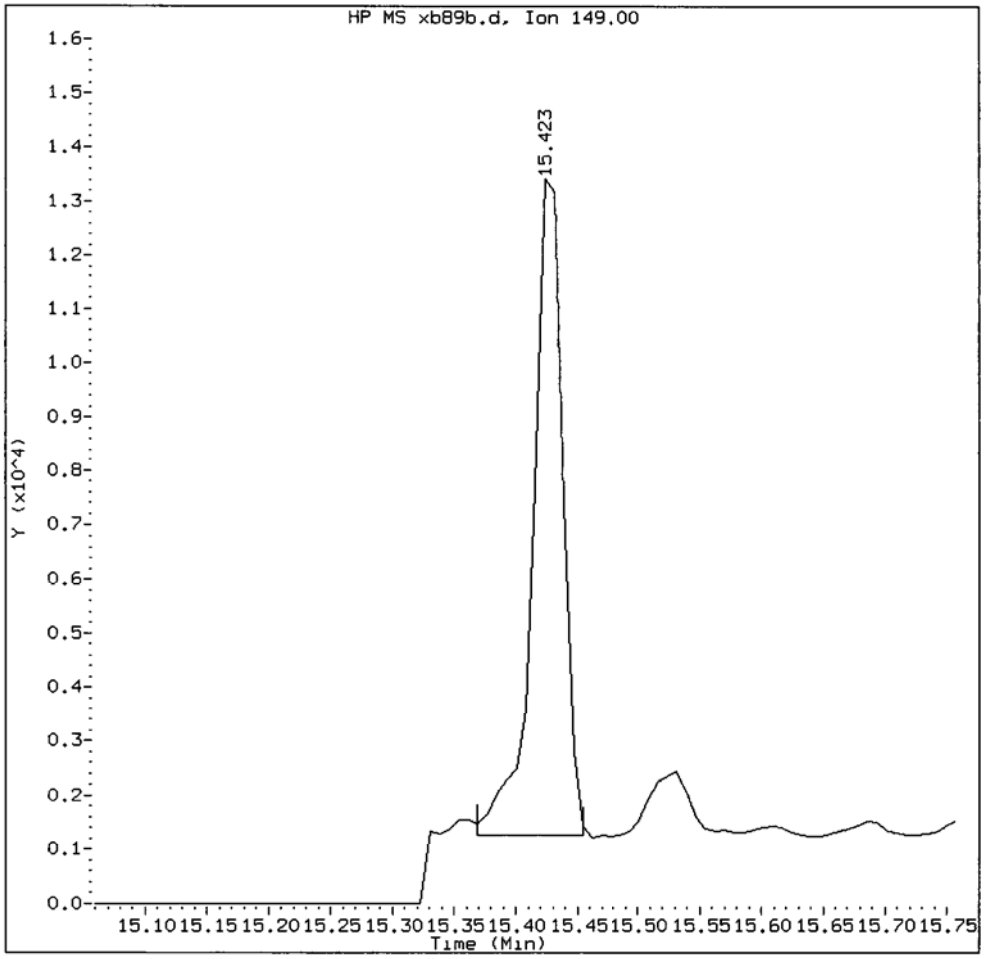
Compound: Diethylphthalate
CAS Number: 84-66-2





XB89B, /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Diethylphthalate Amount: 0.24 Area: 20511



MANUAL INTEGRATION for Diethylphthalate

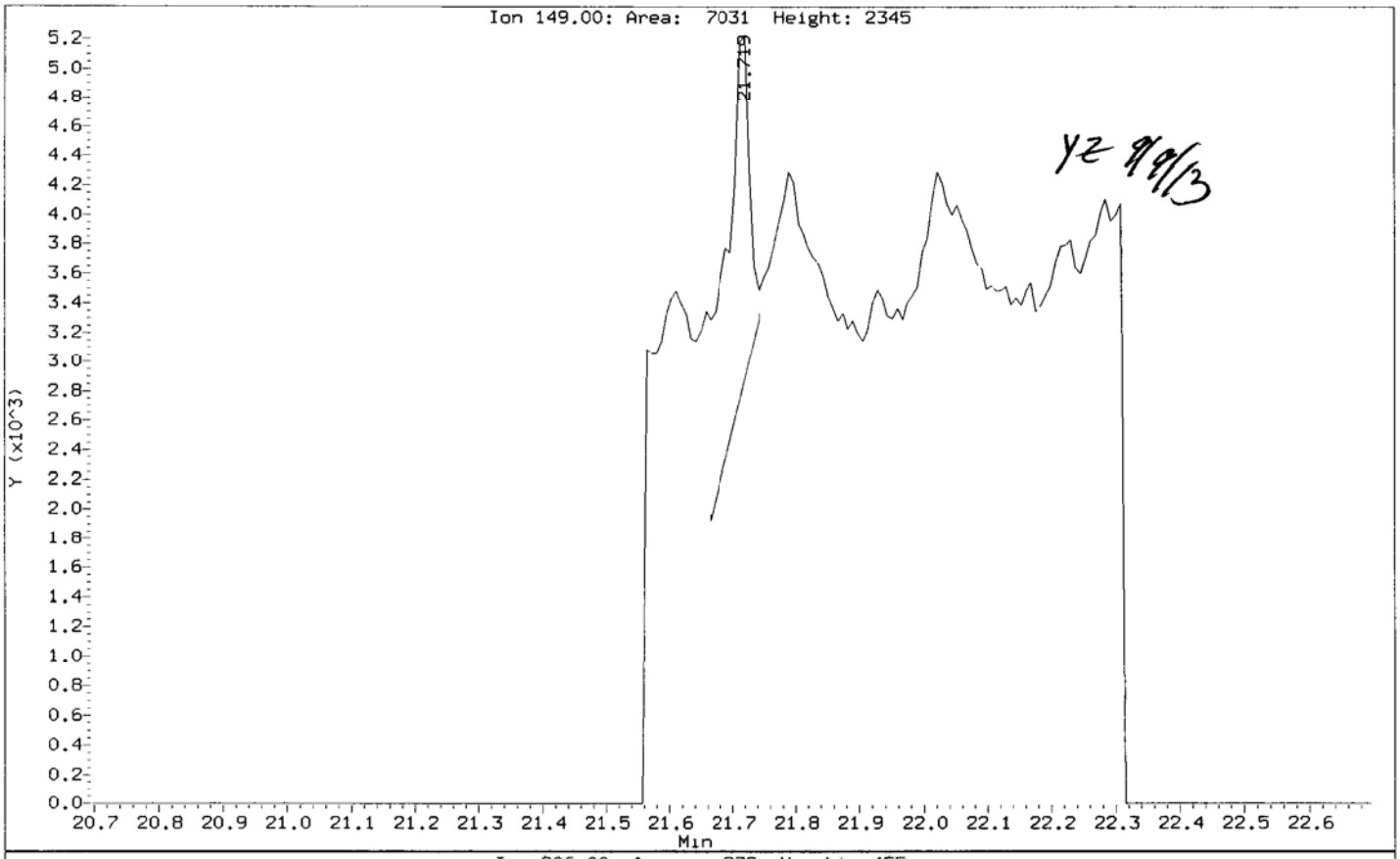
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

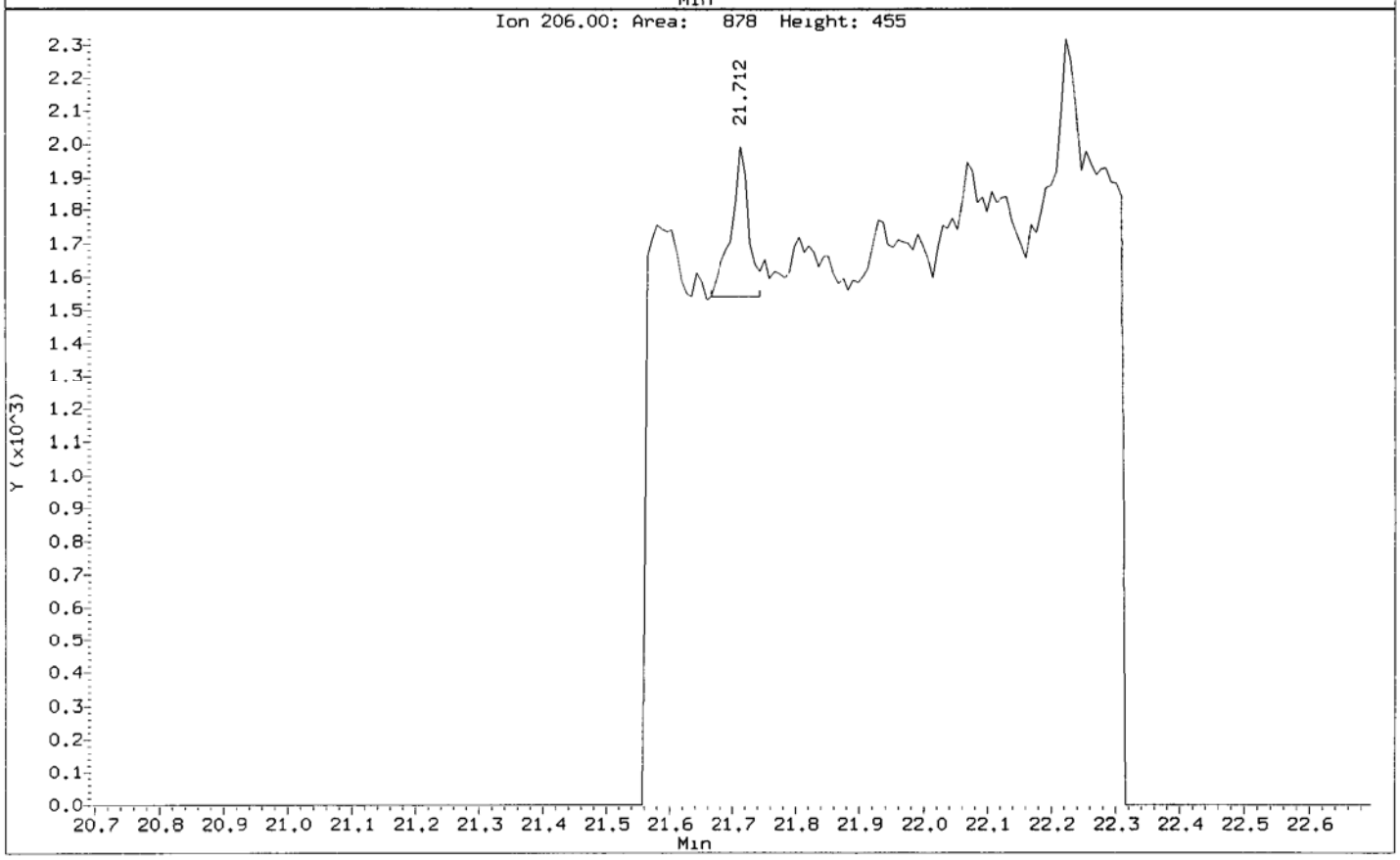
Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89b.d
Injection Date: 02-SEP-2013 15:19
Instrument: nt10.1
Client Sample ID:

Compound: Butylbenzylphthalate
CAS Number: 85-68-7



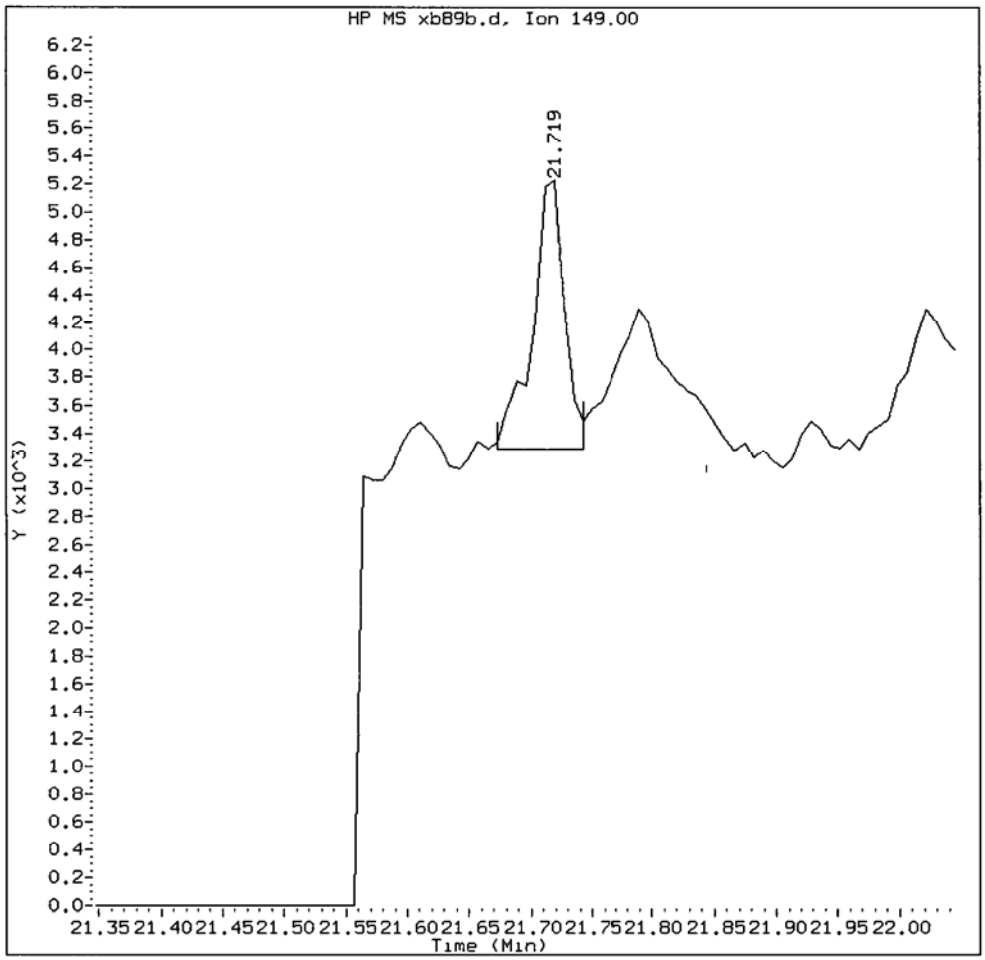
YZ 9/9/13



XB89:00881

XB89B, /chem1/nt10.i/20130902.b/SIM.b/xb89b.d

Butylbenzylphthalate Amount: 0.08 Area: 3546



MANUAL INTEGRATION for Butylbenzylphthalate

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89b.d

Lab ID: XB89B, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 9/9/13

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89c.d
Lab Smp Id: XB89C Client Smp ID: IJ13-SS-151
Inj Date : 02-SEP-2013 16:29
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89C
Misc Info : 13-17438
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:16 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 9
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	18.27000	Weight of sample extracted (g)
M	41.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.180	6.102	(0.734)	95495	2.40345	674.6
3	Phenol	94	7.802	7.756	(0.926)	26933	0.59437 UFA	166.8
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	129752	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	79	8.716	8.677	(1.035)	5647	0.24195 NFA	67.91 (M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
13	2-Methylphenol	108	8.926	8.887	(1.060)	3883	0.10518	29.52
15	4-Methylphenol	108	9.229	9.182	(1.096)	70939	1.87442	526.1
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.242	10.219	(0.941)	6032	0.14958	41.98
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.882	10.874	(1.000)	473848	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					
39	Dimethylphthalate	163	13.954	13.939	(0.964)	13856	0.18784	52.72 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.473	14.457	(1.000)	250056	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.065)	6649	0.07435	20.87(M)
	54 N-Nitrosodiphenylamine	169	15.880	15.864	(0.905)	7248	0.13909	39.04(M)
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.541	17.525	(1.000)	503341	4.00000	
$	66 Terphenyl-d14	244	20.759	20.759	(0.916)	80820	1.61786	454.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
*	69 Chrysene-d12	240	22.656	22.656	(1.000)	481769	4.00000	
*	77 Perylene-d12	264	25.072	25.072	(1.000)	553690	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.304	27.296	(1.089)	29275	0.21932	61.56
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89c.d
Lab Smp Id: XB89C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17438

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-SS-151
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	129752	-19.17
27 Naphthalene-d8	576038	288019	1152076	473848	-17.74
42 Acenaphthene-d10	314384	157192	628768	250056	-20.46
59 Phenanthrene-d10	686356	343178	1372712	503341	-26.66
69 Chrysene-d12	741751	370876	1483502	481769	-35.05
77 Perylene-d12	800926	400463	1601852	553690	-30.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.10
27 Naphthalene-d8	10.87	10.37	11.37	10.88	0.07
42 Acenaphthene-d10	14.46	13.96	14.96	14.47	0.11
59 Phenanthrene-d10	17.53	17.03	18.03	17.54	0.09
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

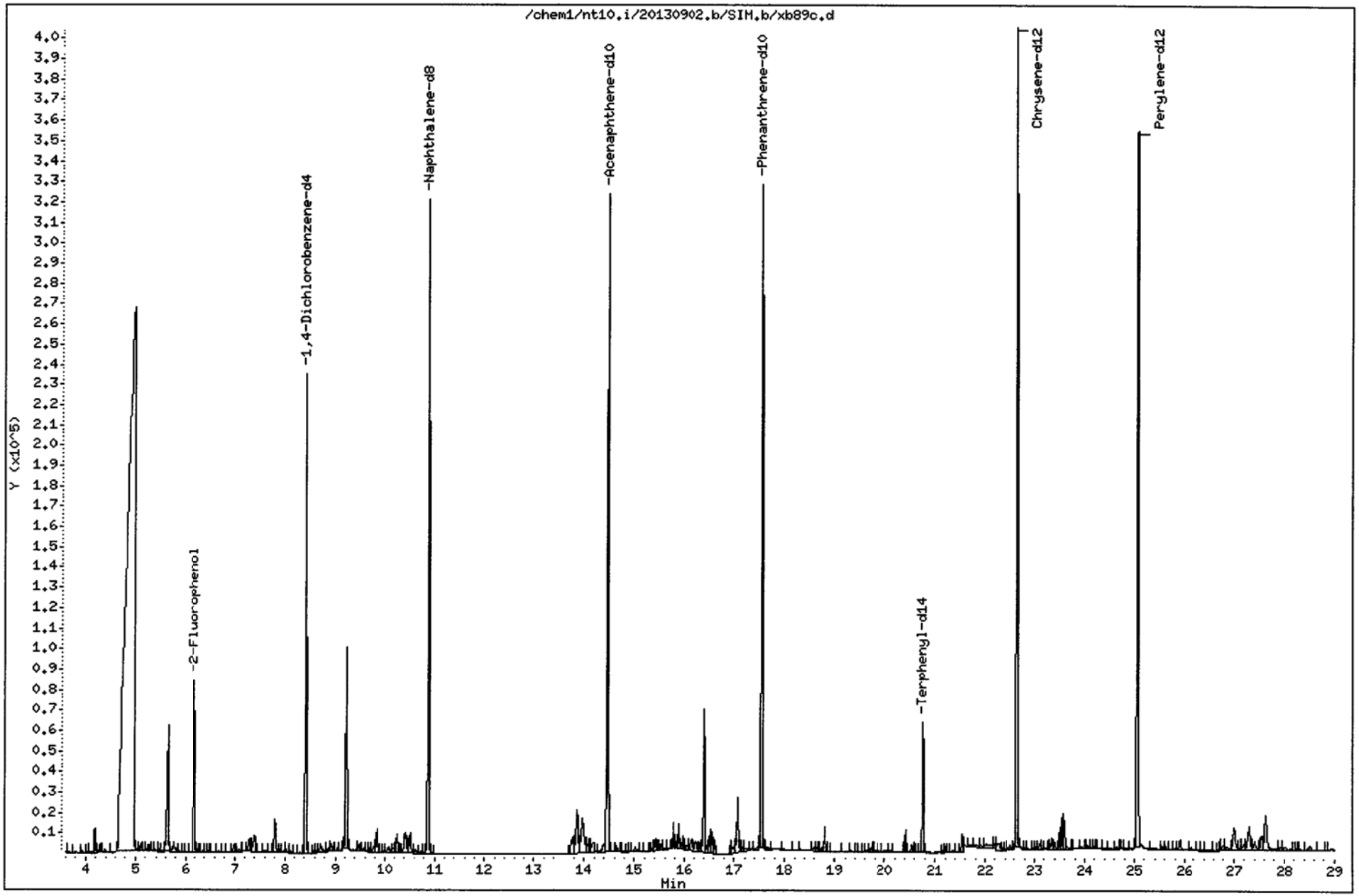
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89C Client Smp ID: IJ13-SS-151
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17438

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	701.7	674.6	96.14	27-120
$ 66 Terphenyl-d14	467.8	454.1	97.07	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d
Date : 02-SEP-2013 16:29
Client ID: IJ13-SS-151
Sample Info: XB89C
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 99838

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

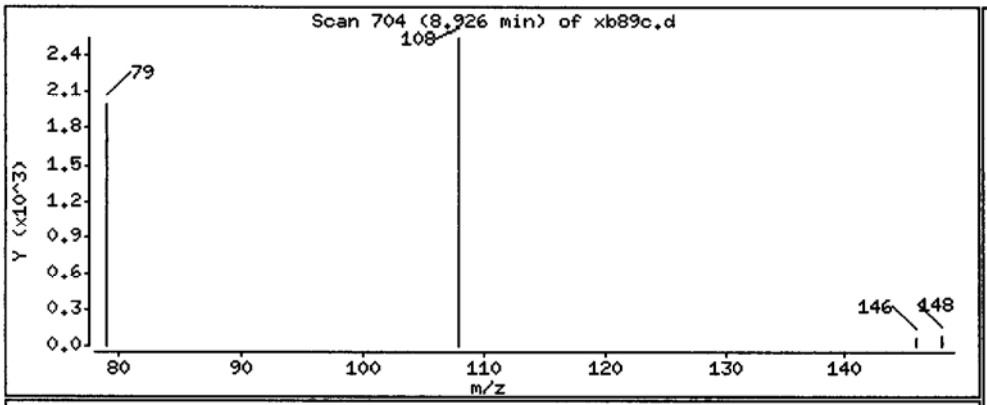
Operator: VTS/YZ

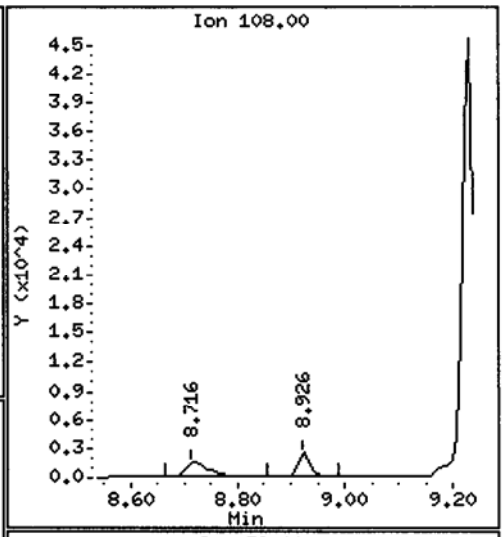
Column phase: ZB-5msi

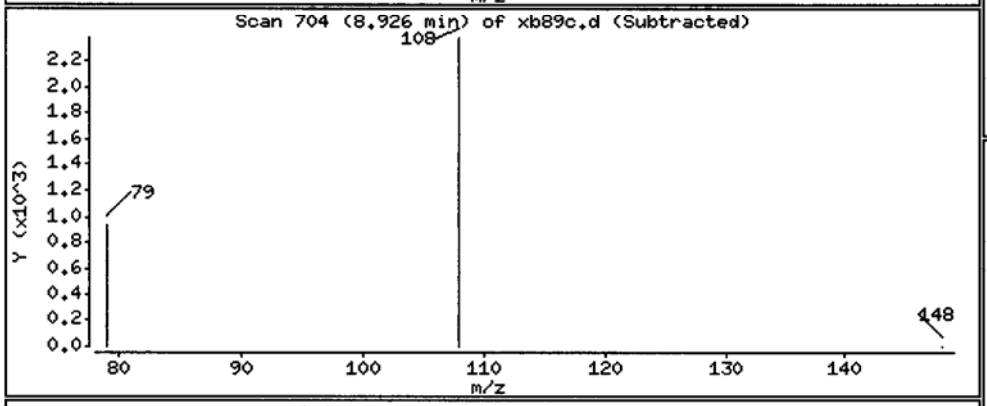
Column diameter: 0.25

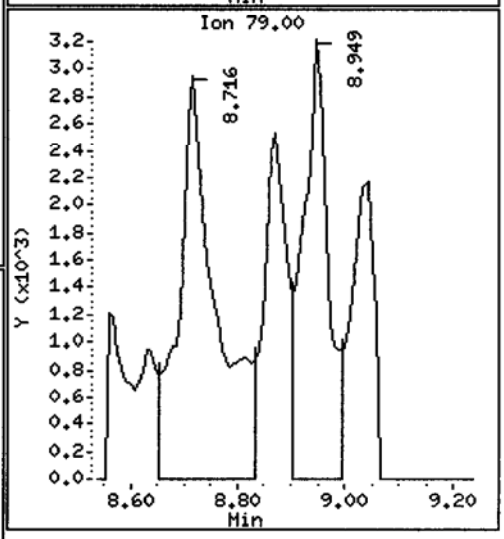
13 2-Methylphenol

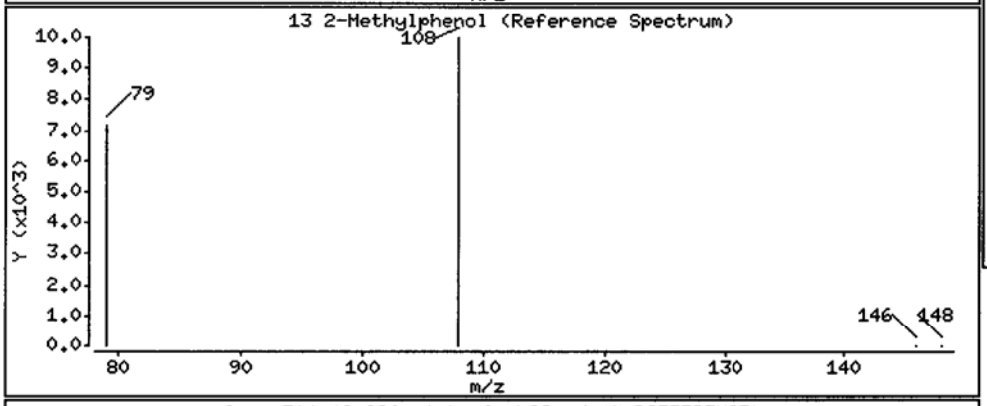
Concentration: 29.52 ug/kg

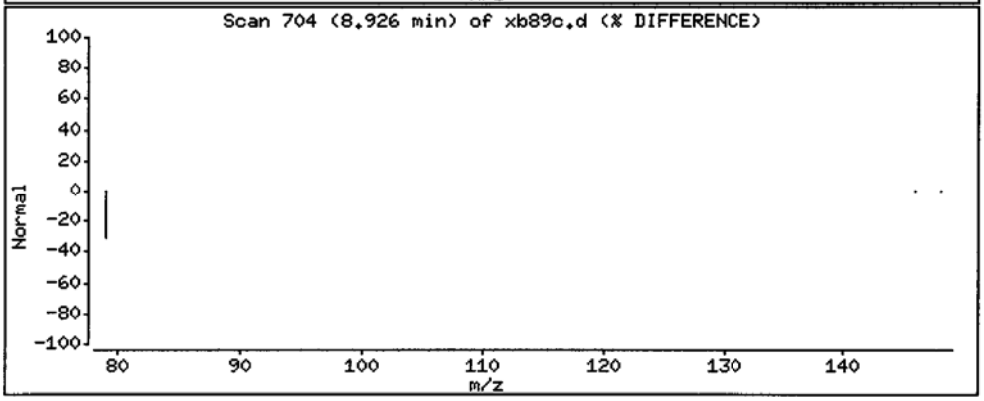












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

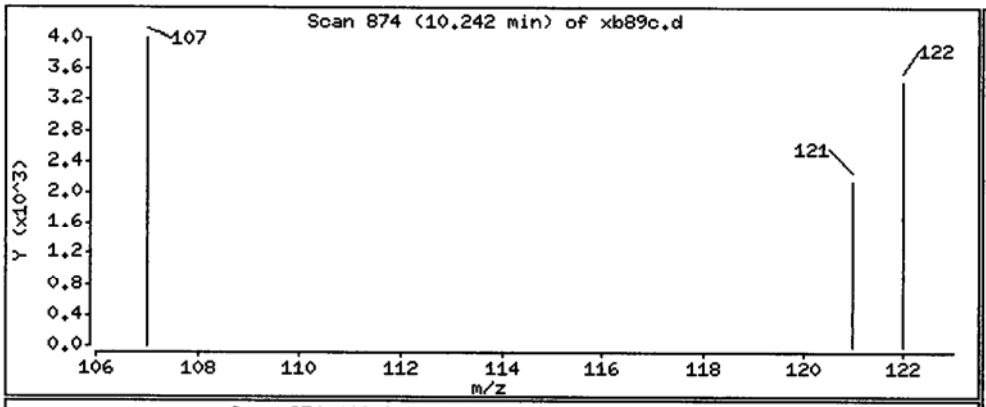
Operator: VTS/YZ

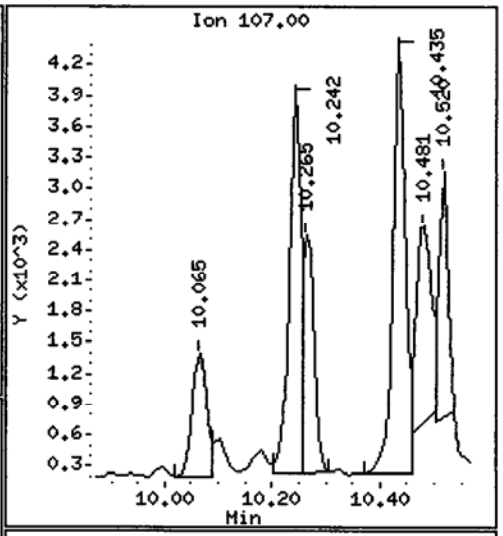
Column phase: ZB-5ms1

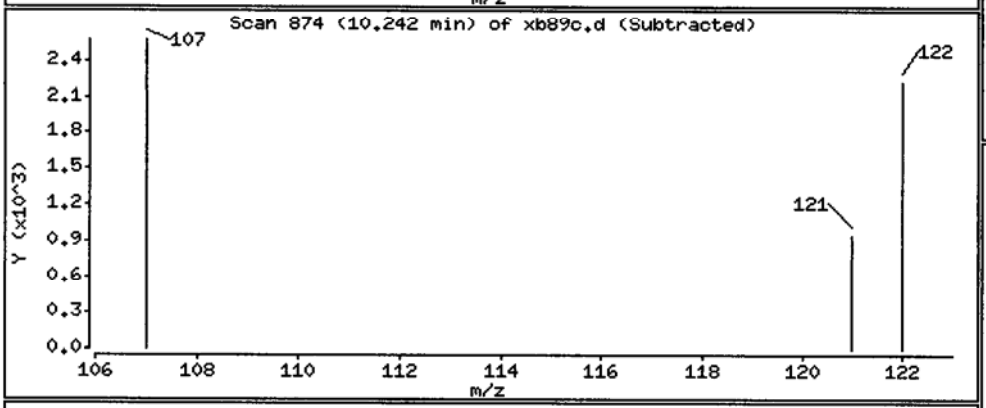
Column diameter: 0.25

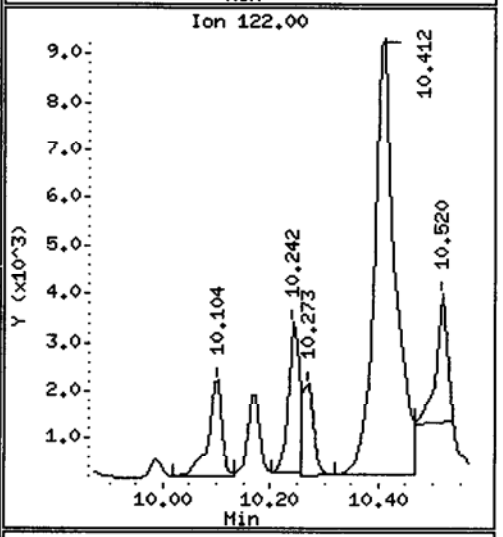
22 2,4-Dimethylphenol

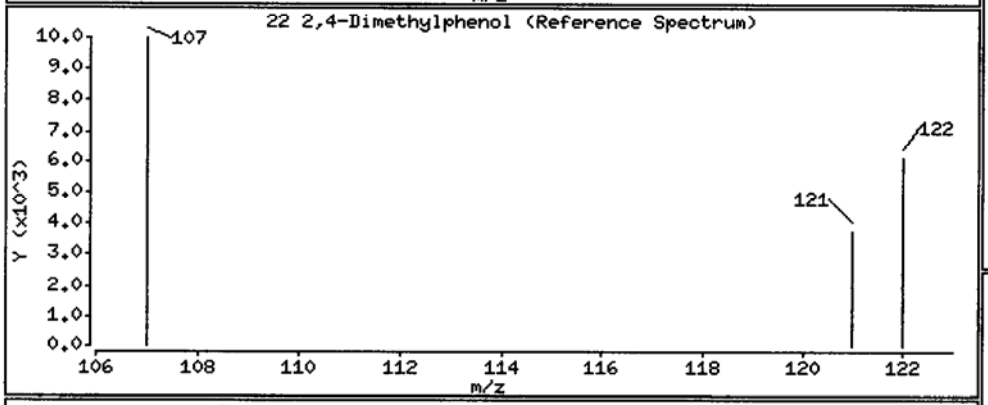
Concentration: 41.98 ug/kg

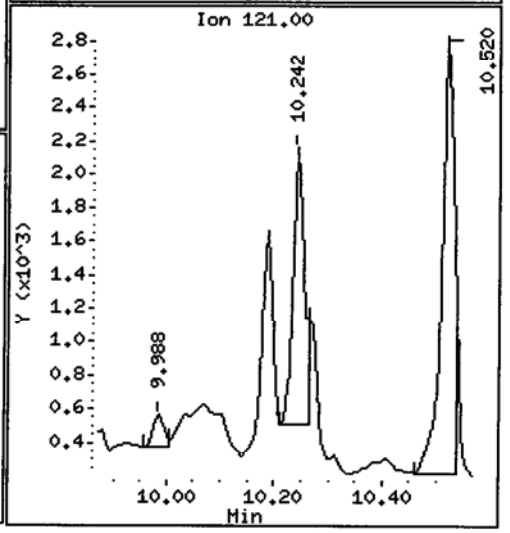


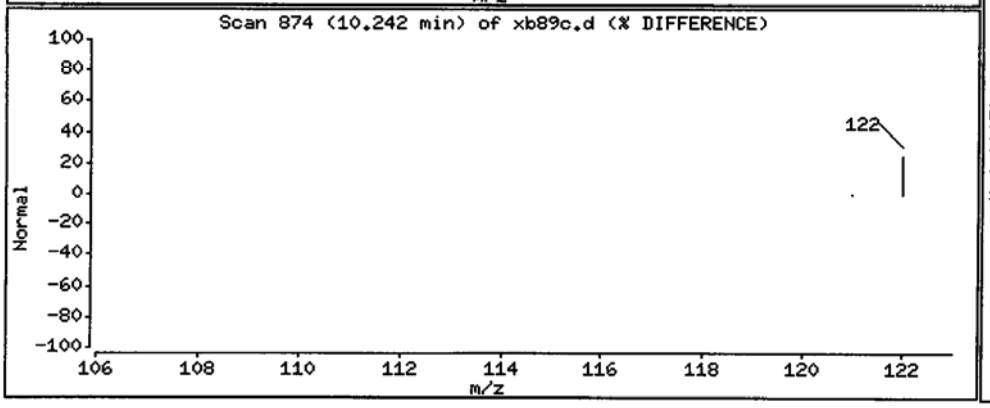












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

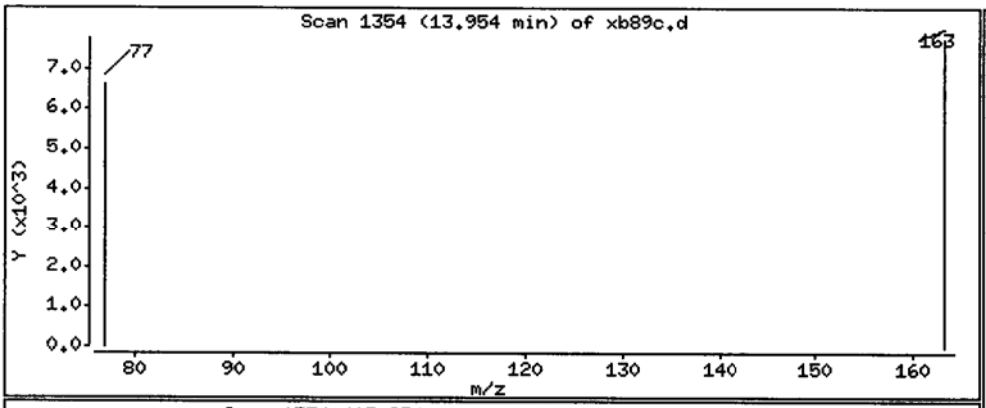
Operator: VTS/YZ

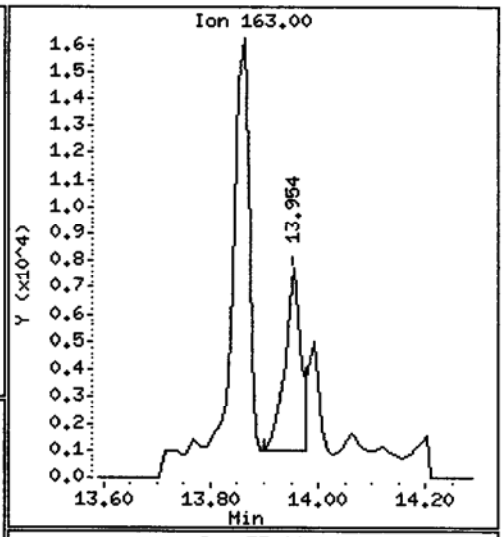
Column phase: ZB-5msi

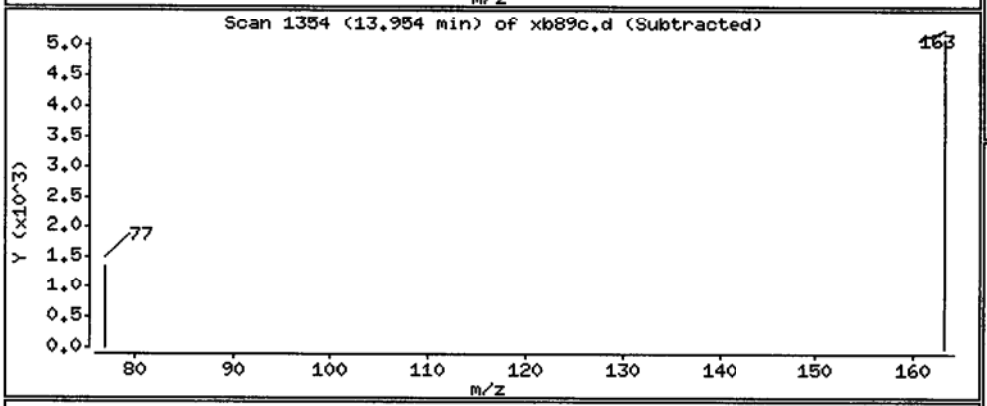
Column diameter: 0.25

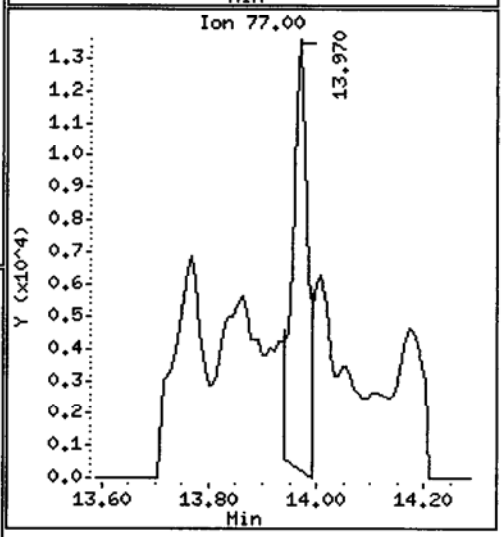
39 Dimethylphthalate

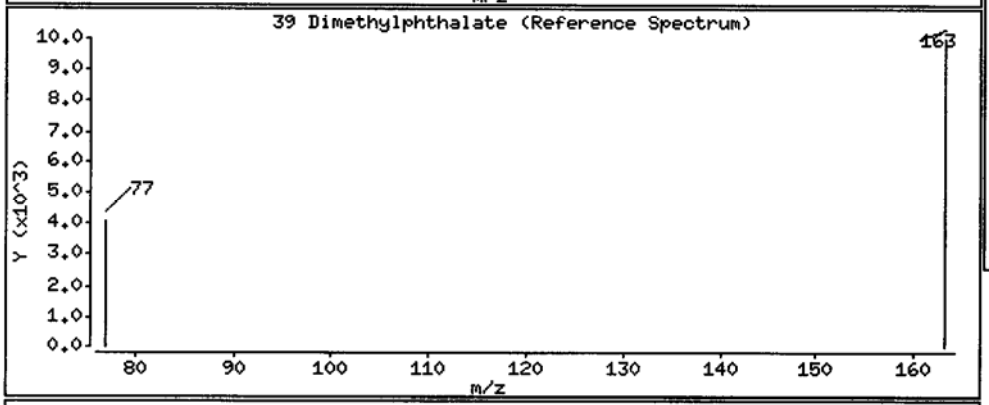
Concentration: 52.72 ug/kg

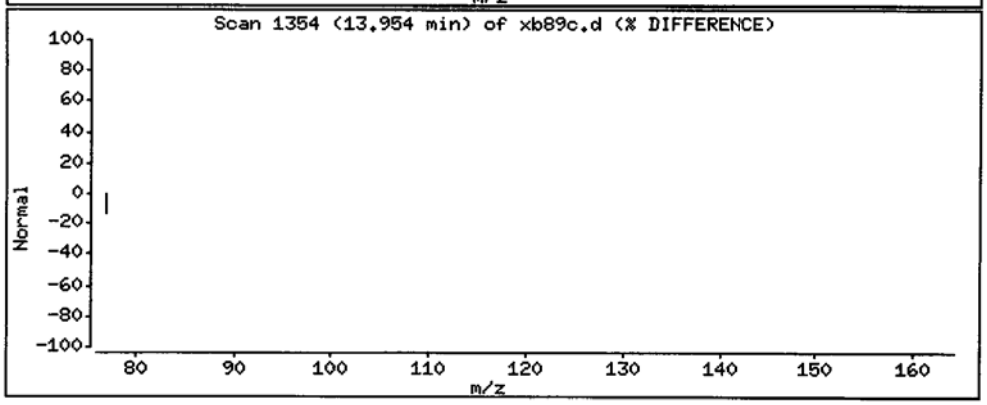












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

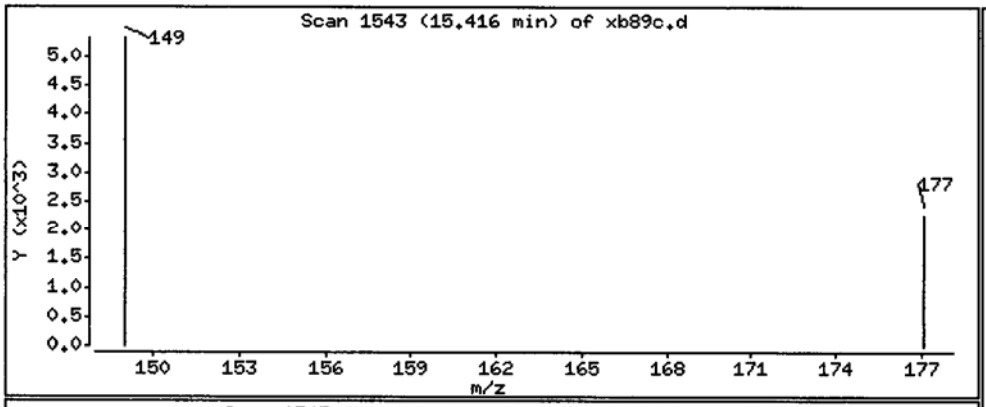
Operator: VTS/YZ

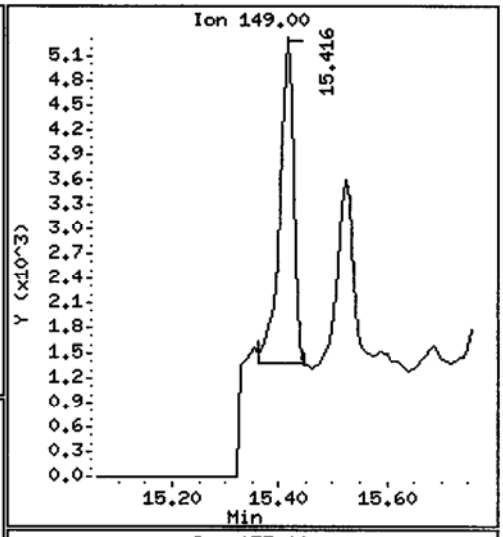
Column phase: ZB-5msi

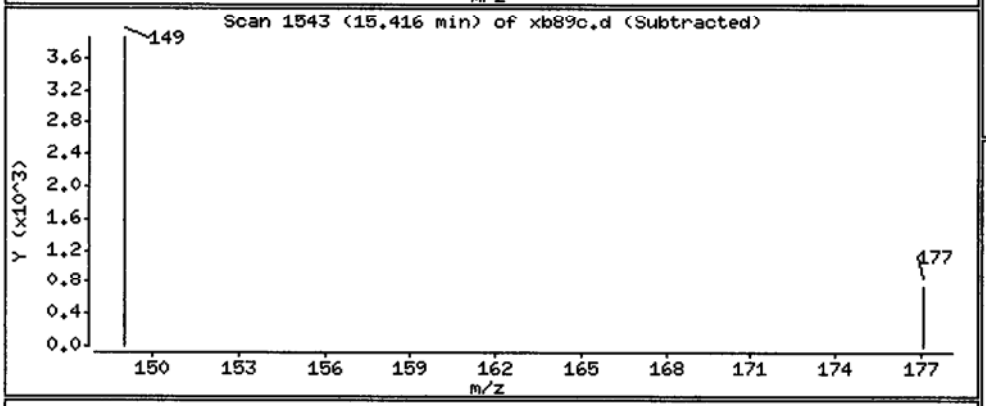
Column diameter: 0.25

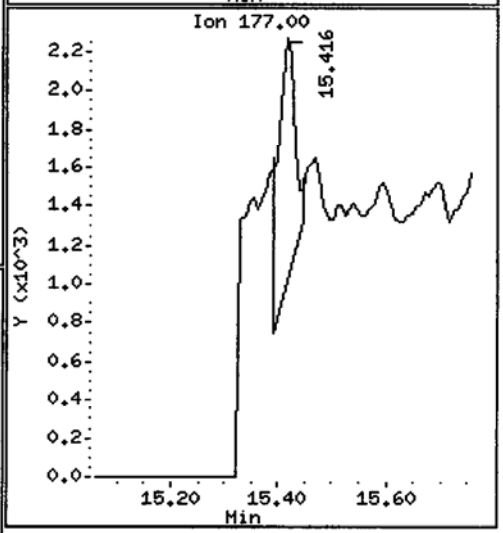
50 Diethylphthalate

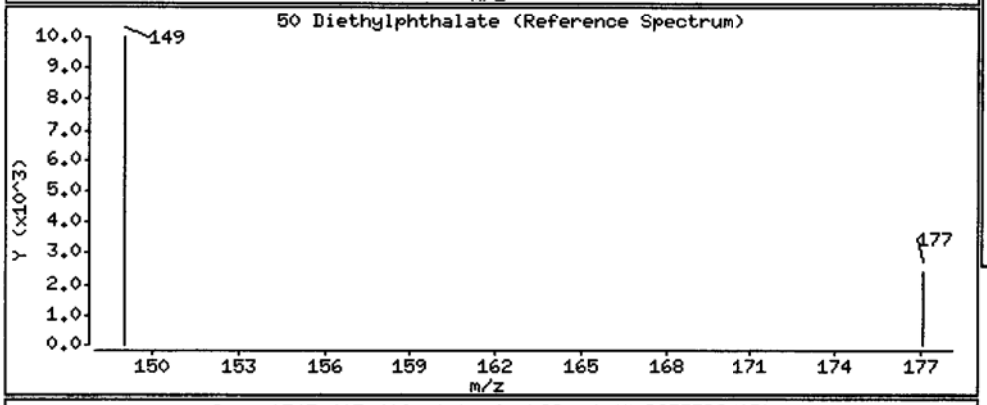
Concentration: 20.87 ug/kg

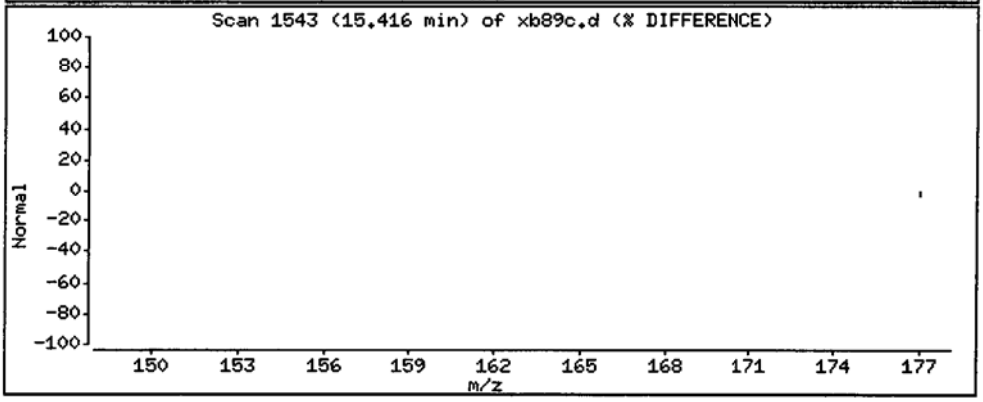












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

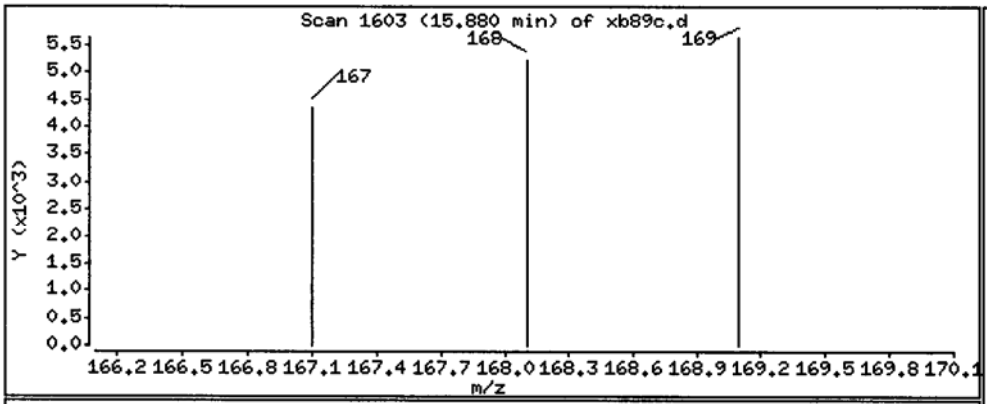
Operator: VTS/YZ

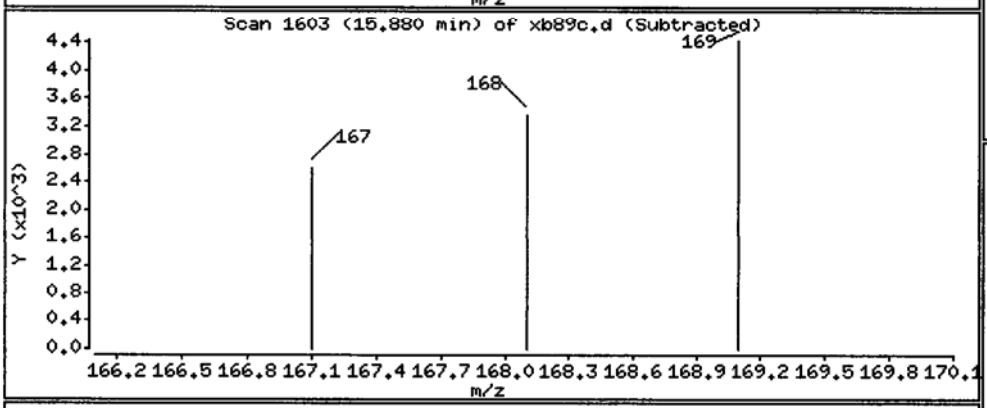
Column phase: ZB-5msi

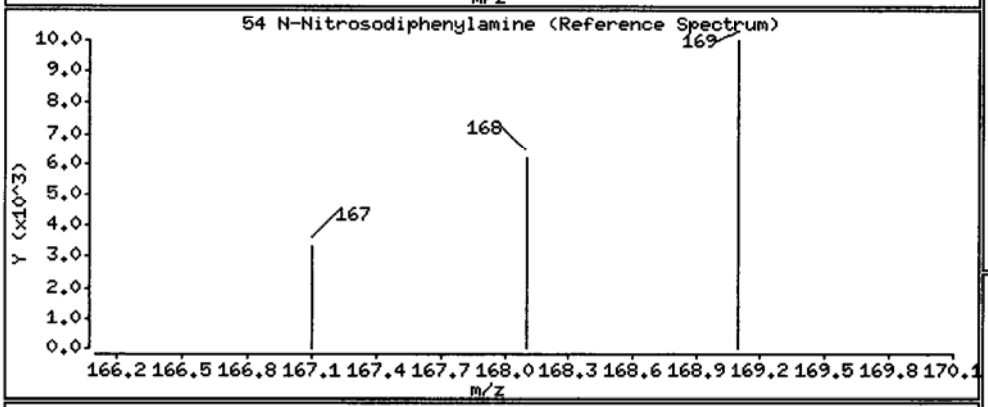
Column diameter: 0.25

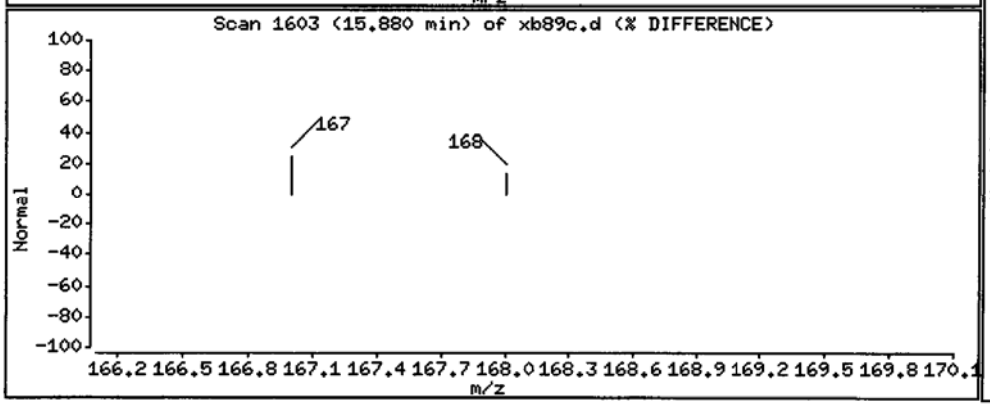
54 N-Nitrosodiphenylamine

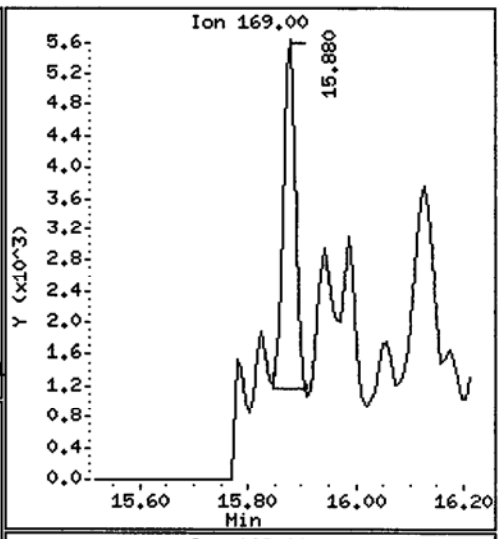
Concentration: 39.04 ug/kg

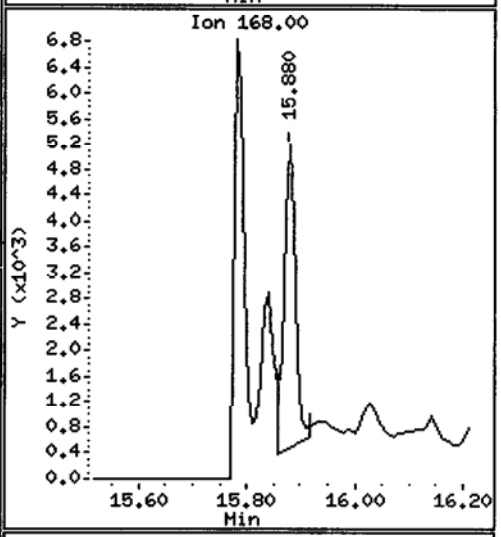


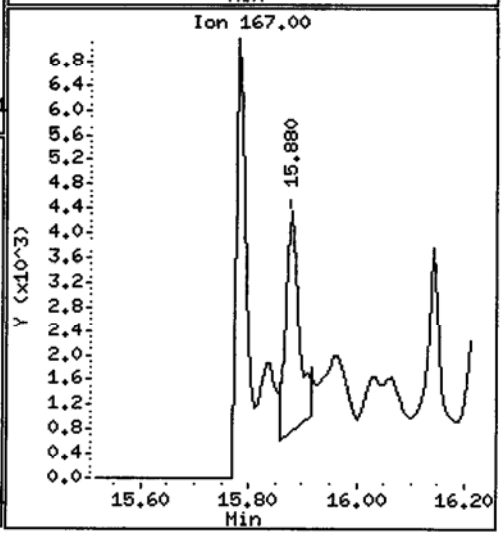












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Date : 02-SEP-2013 16:29

Client ID: IJ13-SS-151

Instrument: nt10.i

Sample Info: XB89C

Volume Injected (uL): 1.0

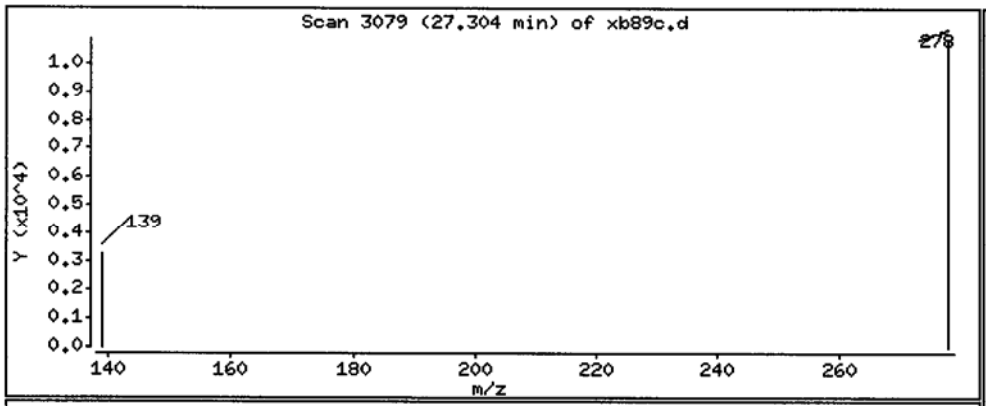
Operator: VTS/YZ

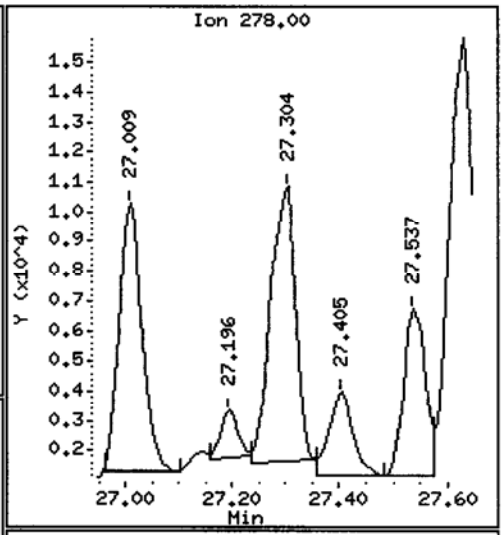
Column phase: ZB-5msi

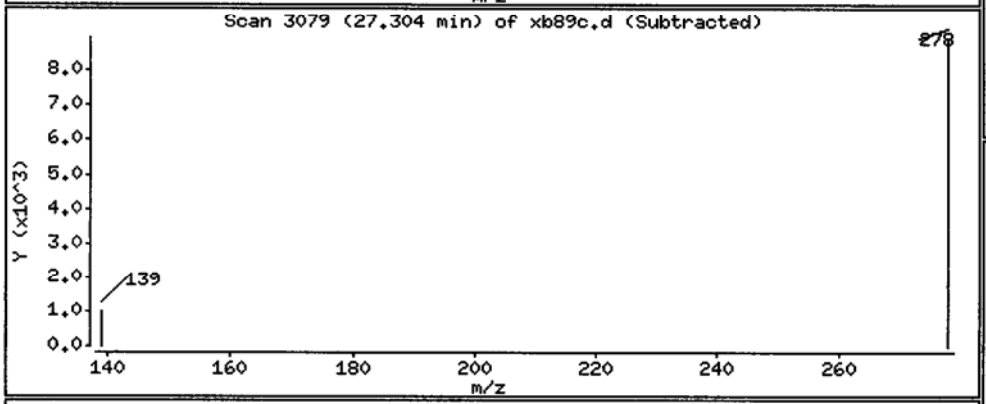
Column diameter: 0.25

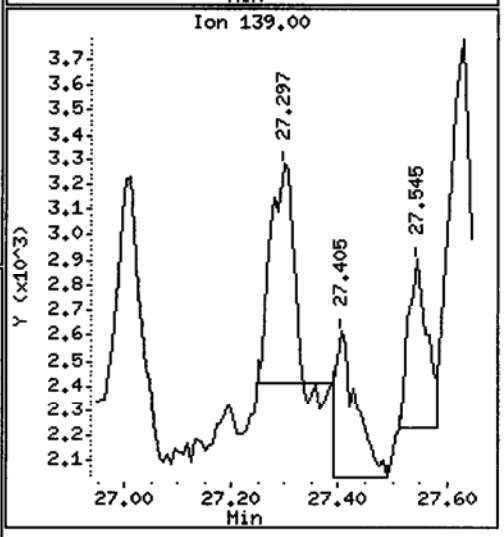
79 Dibenzo(a,h)anthracene

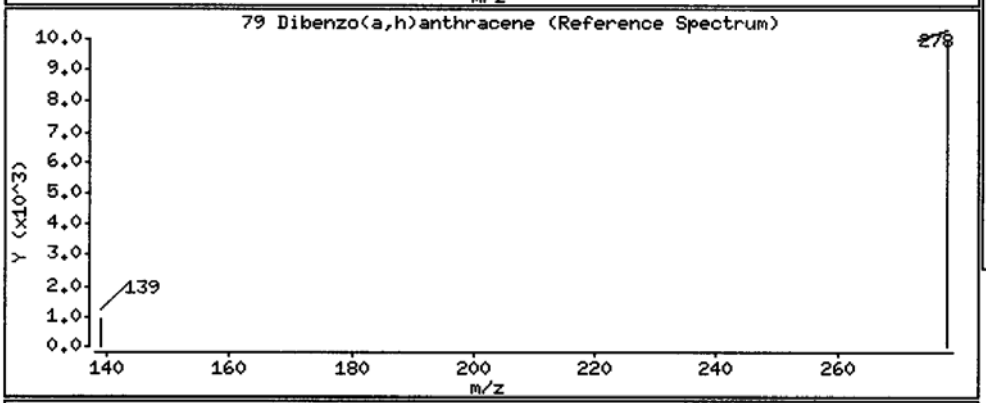
Concentration: 61.56 ug/kg

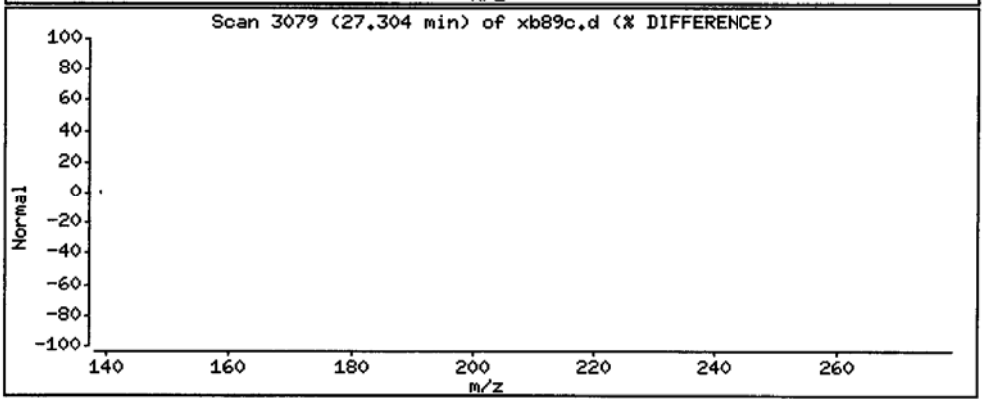






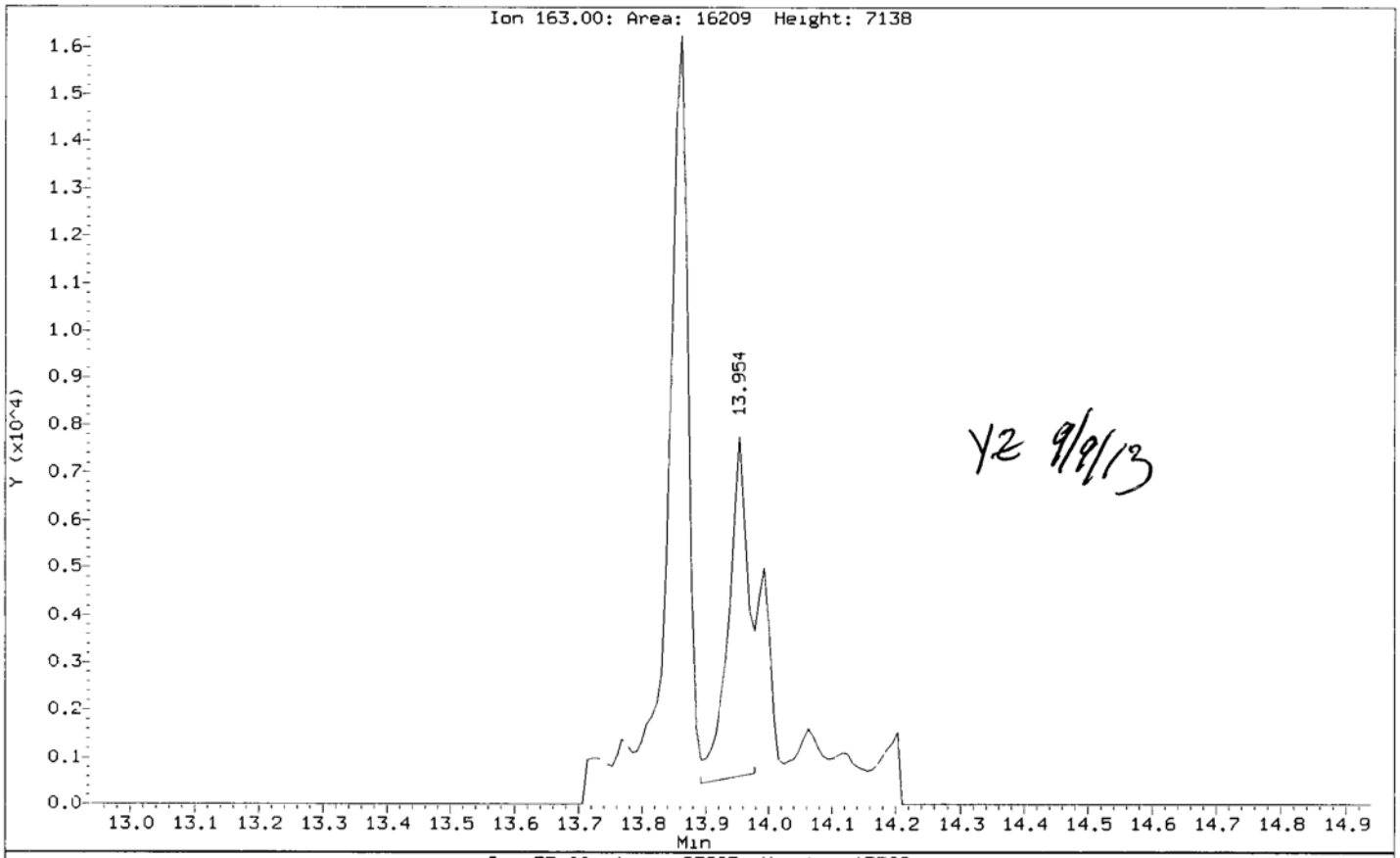




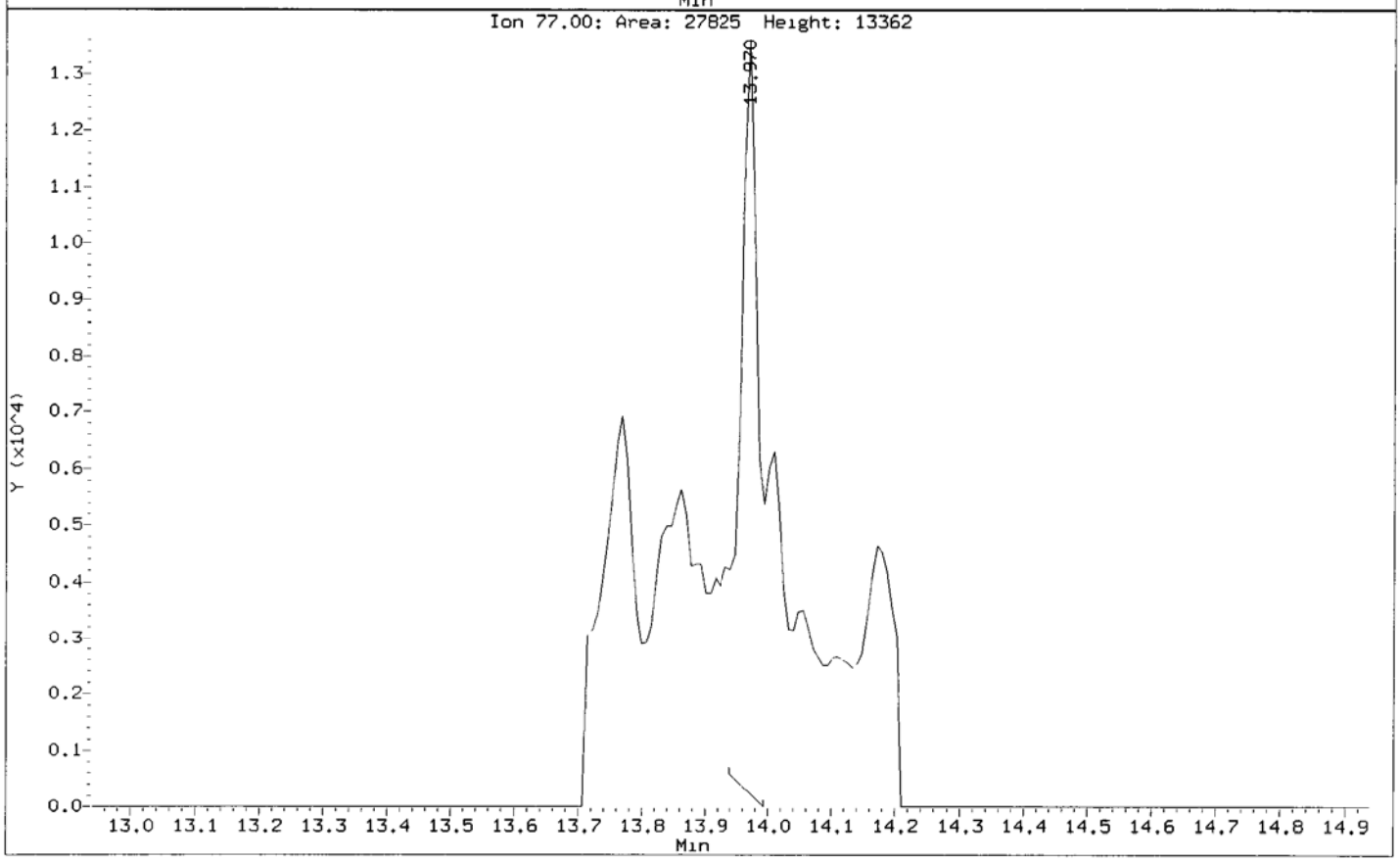


Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89c.d
Injection Date: 02-SEP-2013 16:29
Instrument: nt10.1
Client Sample ID:

Compound: Dimethylphthalate
CAS Number: 131-11-3



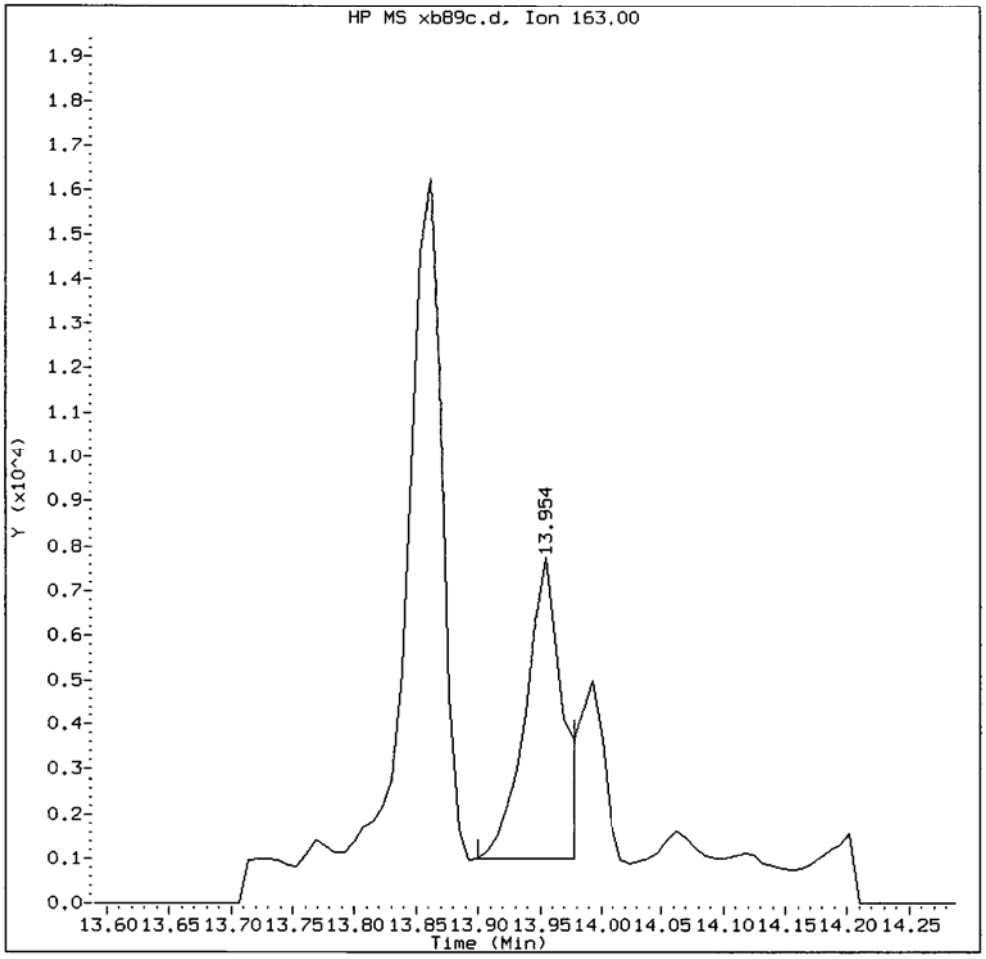
YZ 9/9/13



XB89 . 00895

XB89C, /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Dimethylphthalate Amount: 0.19 Area: 13856



MANUAL INTEGRATION for Dimethylphthalate

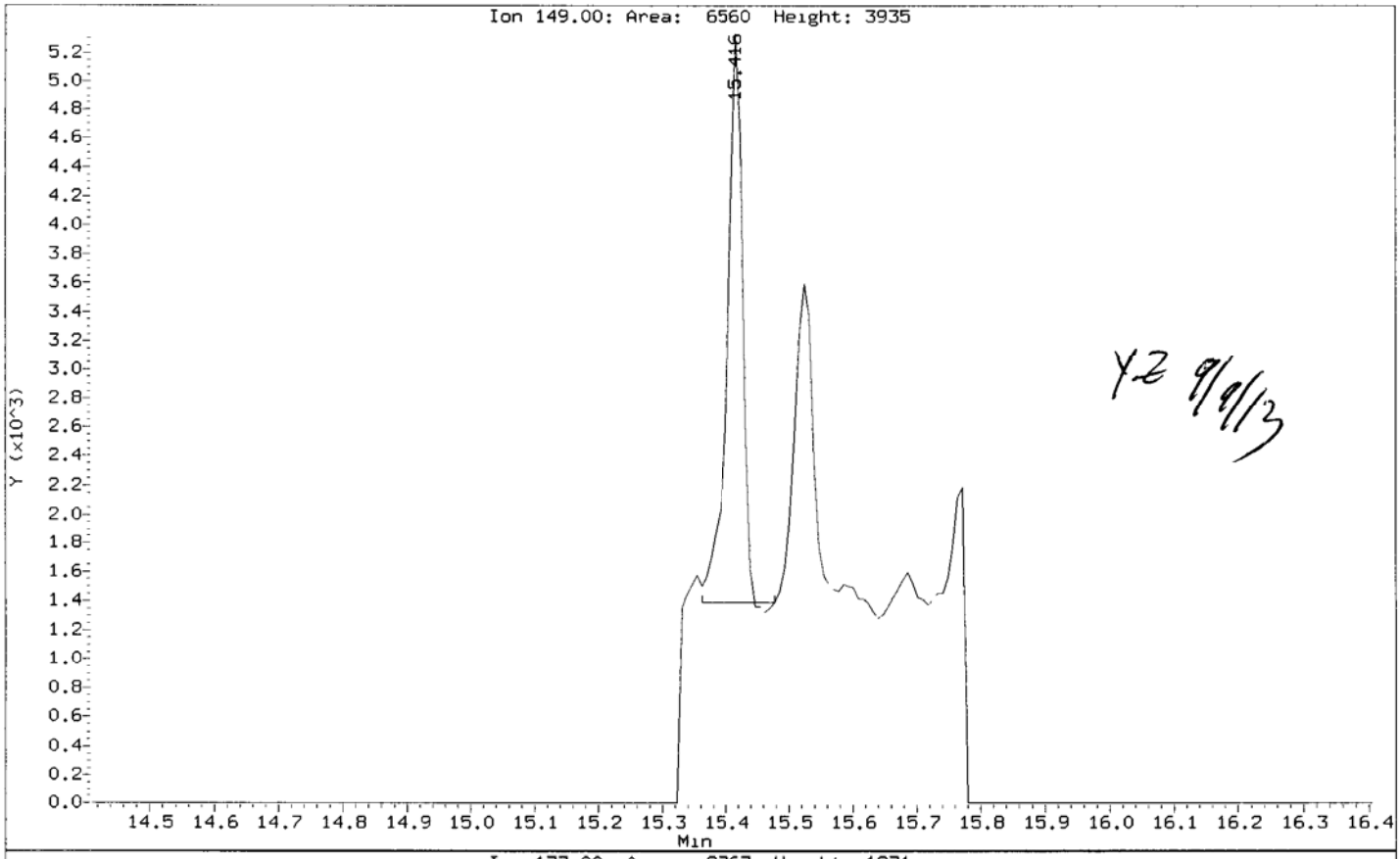
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

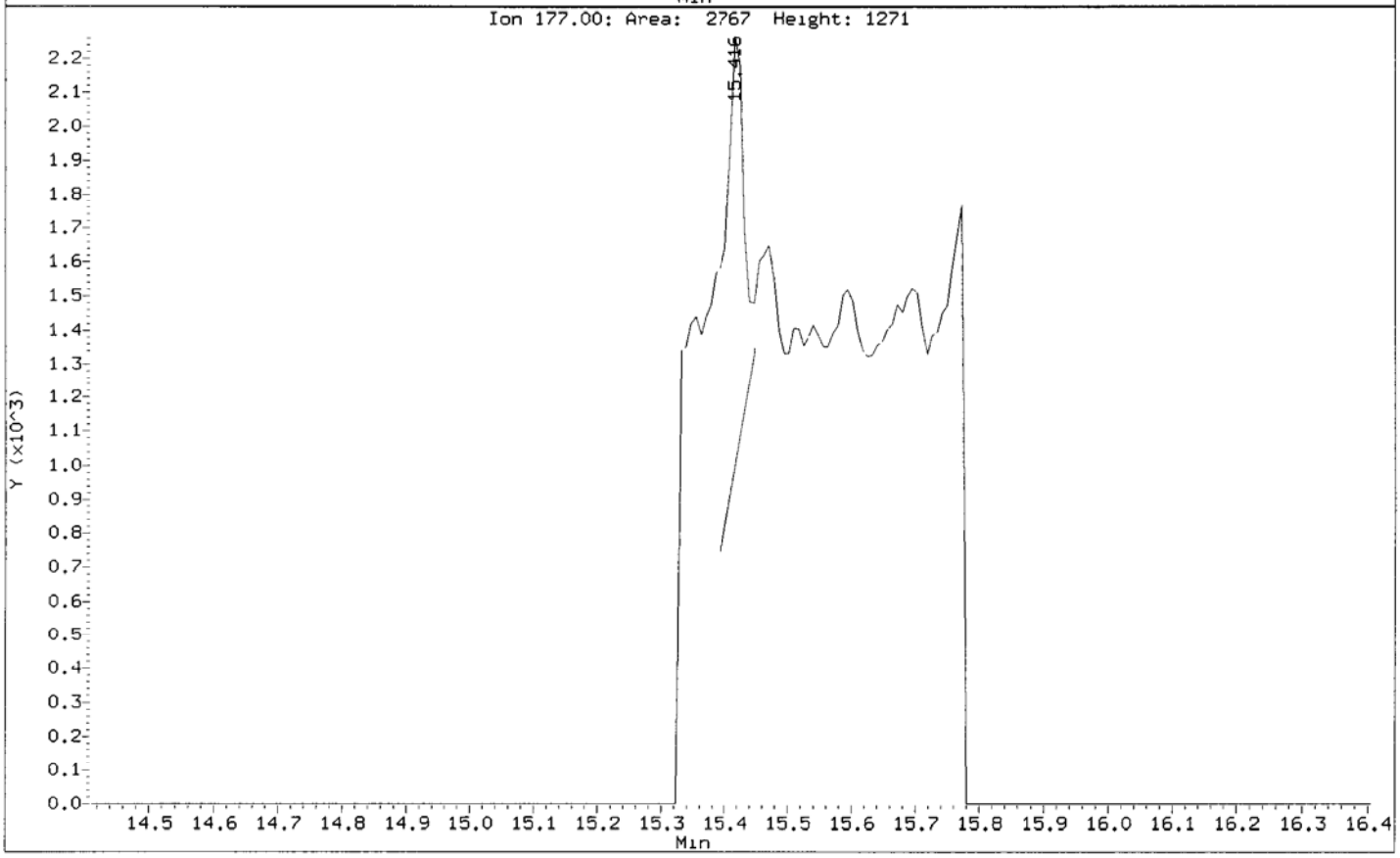
5. Other _____

Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89c.d
Injection Date: 02-SEP-2013 16:29
Instrument: nt10.i
Client Sample ID:

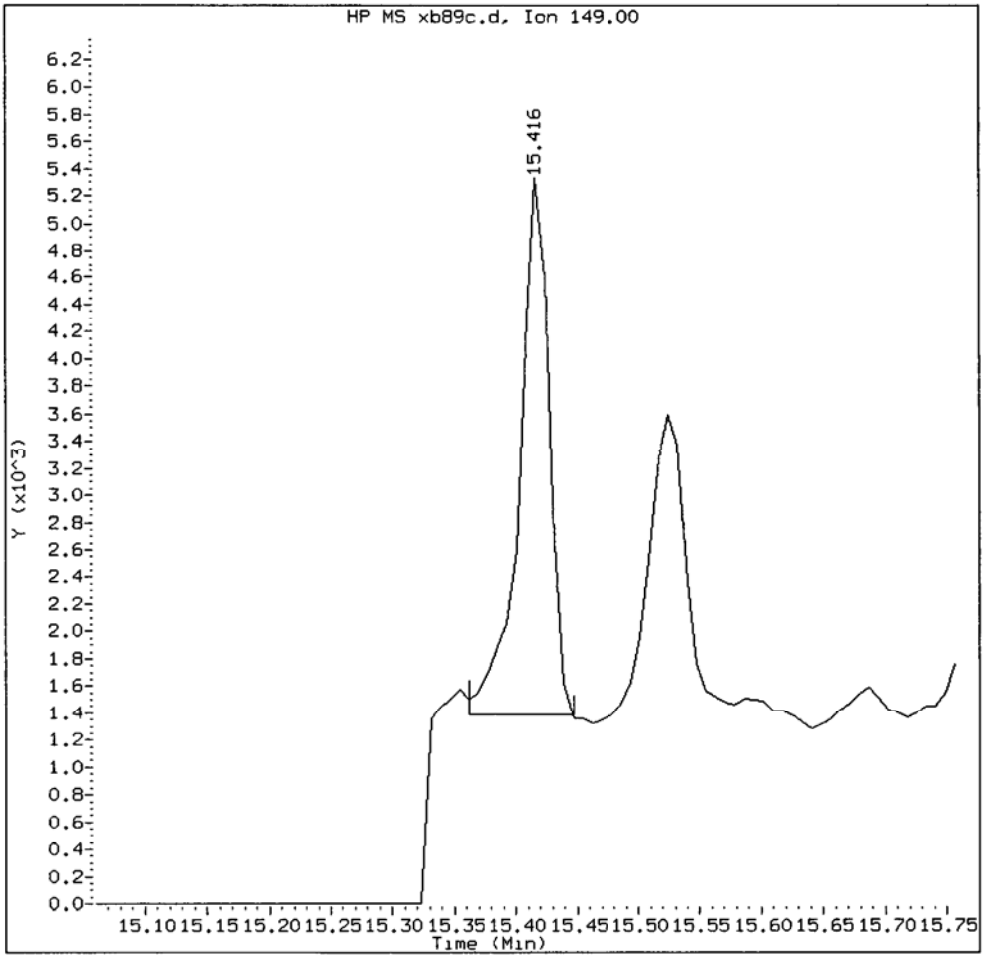
Compound: Diethylphthalate
CAS Number: 84-66-2





XB89C, /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

Diethylphthalate Amount: 0.07 Area: 6649



MANUAL INTEGRATION for Diethylphthalate

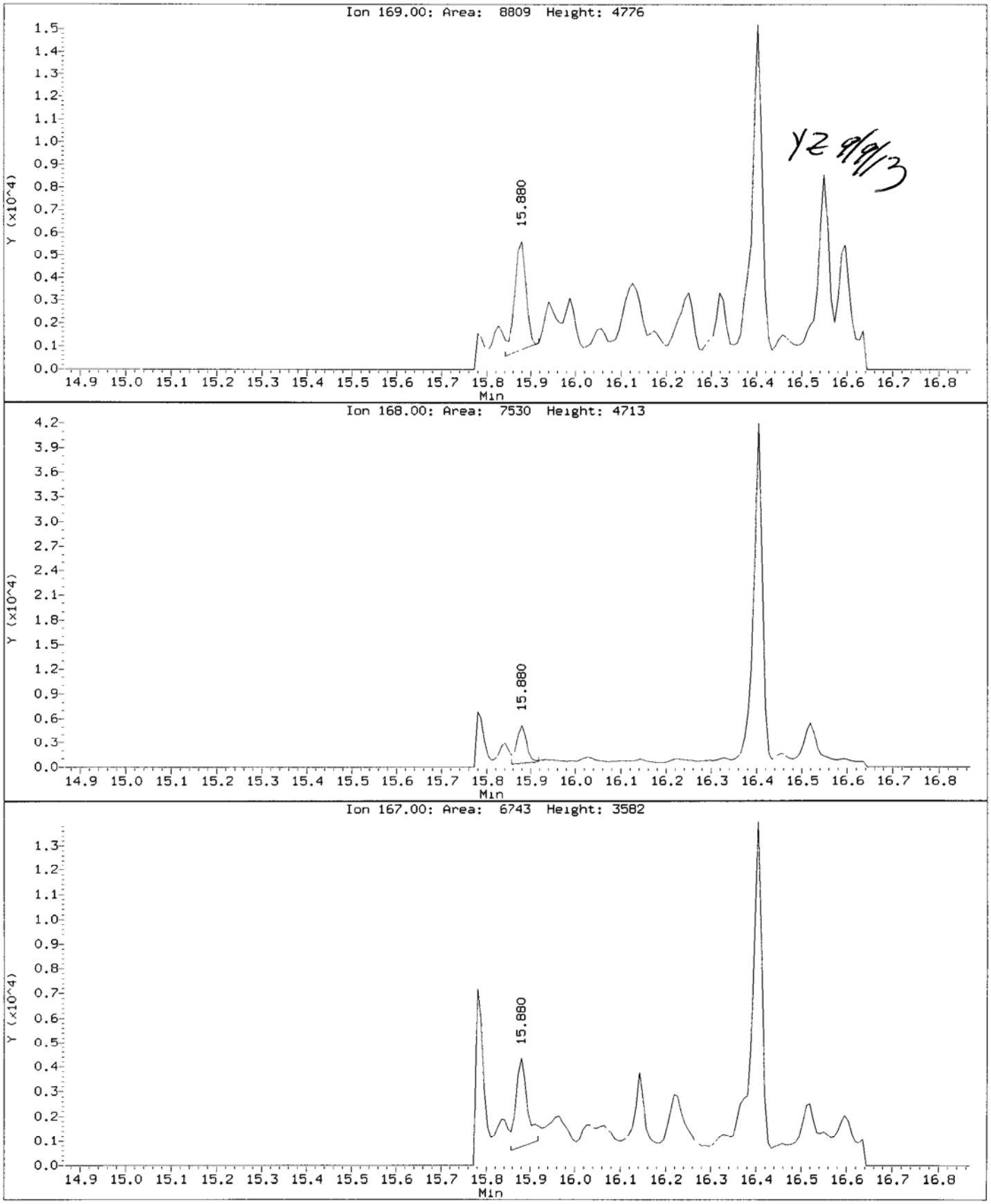
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 9/9/13

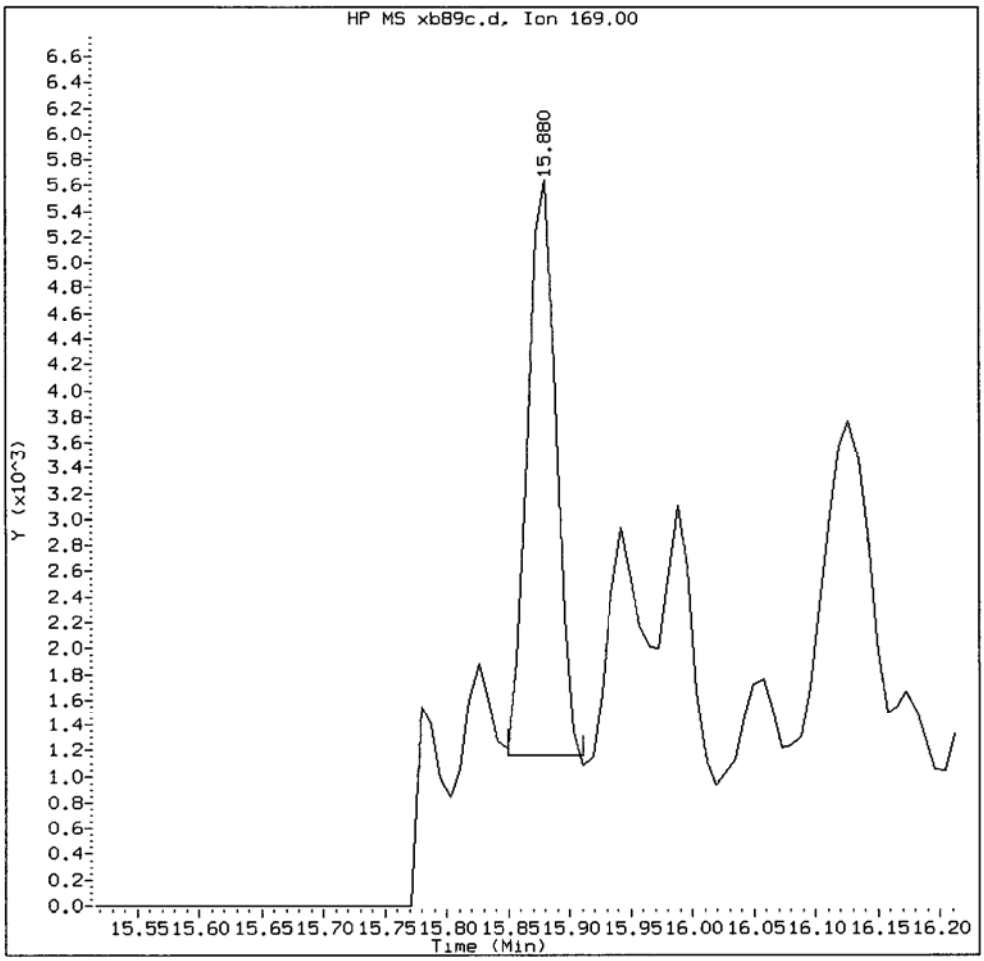
Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89c.d
Injection Date: 02-SEP-2013 16:29
Instrument: nt10.1
Client Sample ID:

Compound: N-Nitrosodiphenylamine
CAS Number: 86-30-6



XB89C, /chem1/nt10.i/20130902.b/SIM.b/xb89c.d

N-Nitrosodiphenylamine Amount: 0.14 Area: 7248



MANUAL INTEGRATION for N-Nitrosodiphenylamine

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89c.d

Lab ID: XB89C, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 9/9/13

Data file : /chem1/nt10.i/20130902.b/SIM.b/xb89d.d
Lab Smp Id: XB89D Client Smp ID: IJ13-VC-101-2-3.9
Inj Date : 02-SEP-2013 17:05
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89D
Misc Info : 13-17439
Comment :
Method : /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 10:16 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	16.08000	Weight of sample extracted (g)
M	37.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.234	6.102	(0.740)	242820	6.91083	682.2
3	Phenol	94	7.833	7.756	(0.930)	91330	2.27919 NCD	225.0
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.421	8.413	(1.000)	114742	4.00000	
9	1,4-Dichlorobenzene	146	8.453	8.444	(1.004)	1509	0.03886 J	3.836 (M)
11	Benzyl alcohol	79	8.732	8.677	(1.037)	7005	0.33940 NCD	33.50 (MH)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
13	2-Methylphenol	108	8.942	8.887	(1.062)	45424	1.39141	137.4
15	4-Methylphenol	108	9.244	9.182	(1.098)	193599	5.78466 NCD	571.0
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.250	10.219	(0.941)	92141	2.57475	254.2
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.890	10.874	(1.000)	420497	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					
39	Dimethylphthalate	163	13.993	13.939	(0.967)	75340	1.16941	115.4 (M)

RT Shift (Y)
BMB 9/9/13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.473	14.457	(1.000)	218396	4.00000	
	50 Diethylphthalate	149	15.416	15.408	(1.065)	20781	0.26605	26.26
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.533	17.525	(1.000)	432782	4.00000	
$	66 Terphenyl-d14	244	20.760	20.759	(0.916)	178967	4.05295	400.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
*	69 Chrysene-d12	240	22.657	22.656	(1.000)	425856	4.00000	
*	77 Perylene-d12	264	25.080	25.072	(1.000)	488769	4.00000	
	79 Dibenzo(a,h)anthracene	278	27.304	27.296	(1.089)	11605	0.09849	9.722
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89d.d
Lab Smp Id: XB89D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

Calibration Date: 02-SEP-2013
Calibration Time: 12:58
Client Smp ID: IJ13-VC-101-2-3.
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	114742	-28.52
27 Naphthalene-d8	576038	288019	1152076	420497	-27.00
42 Acenaphthene-d10	314384	157192	628768	218396	-30.53
59 Phenanthrene-d10	686356	343178	1372712	432782	-36.94
69 Chrysene-d12	741751	370876	1483502	425856	-42.59
77 Perylene-d12	800926	400463	1601852	488769	-38.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.41	7.91	8.91	8.42	0.10
27 Naphthalene-d8	10.87	10.37	11.37	10.89	0.15
42 Acenaphthene-d10	14.46	13.96	14.96	14.47	0.11
59 Phenanthrene-d10	17.53	17.03	18.03	17.53	0.05
69 Chrysene-d12	22.66	22.16	23.16	22.66	0.00
77 Perylene-d12	25.07	24.57	25.57	25.08	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

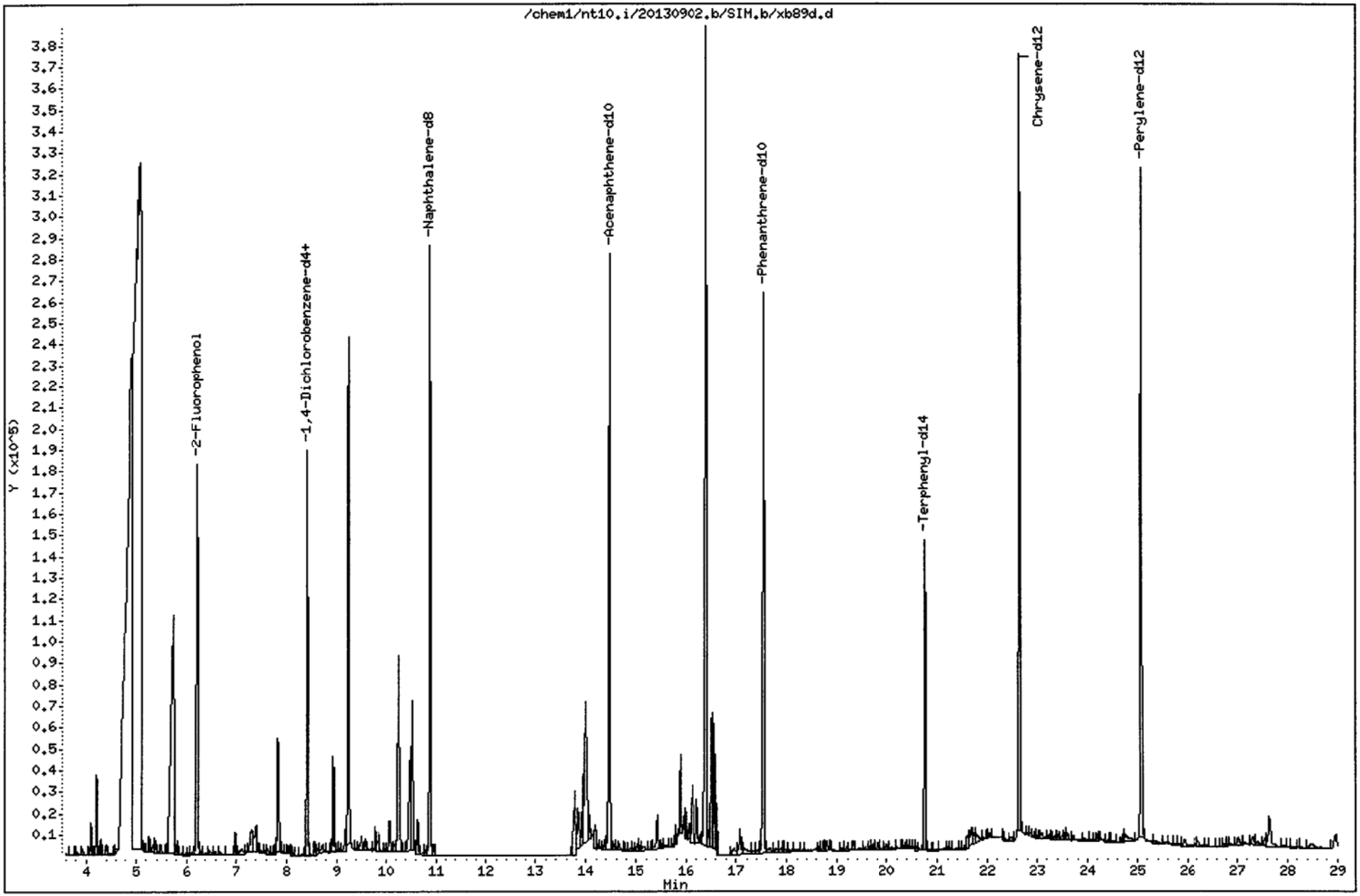
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89D Client Smp ID: IJ13-VC-101-2-3.9
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130902.b/SIM.b/SIMABN2.m
Misc Info: 13-17439

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.3	682.2	92.14	27-120
$ 66 Terphenyl-d14	493.6	400.1	81.06	37-120

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d
Date : 02-SEP-2013 17:05
Client ID: IJ13-VC-101-2-3.9
Sample Info: XB89D
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 00506

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

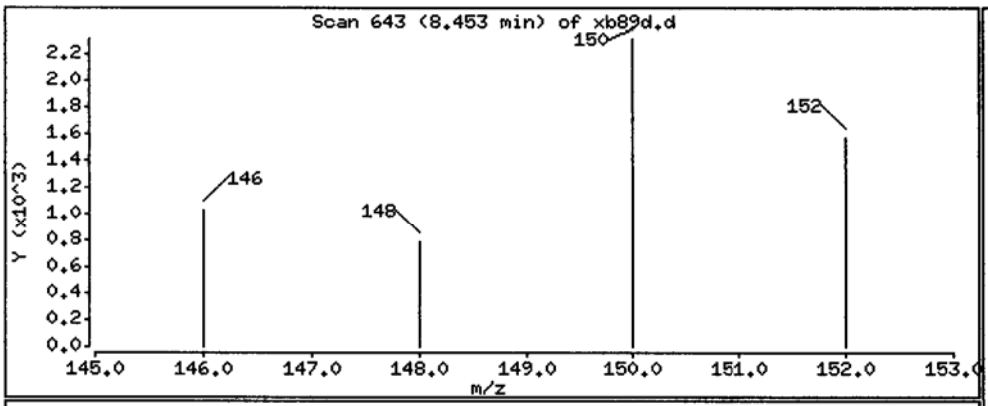
Operator: VTS/YZ

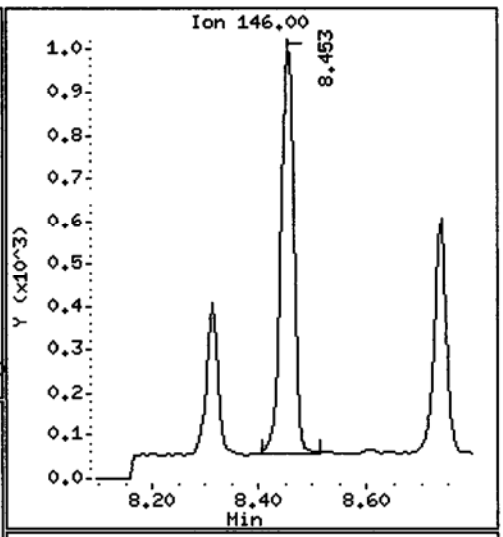
Column phase: ZB-5msi

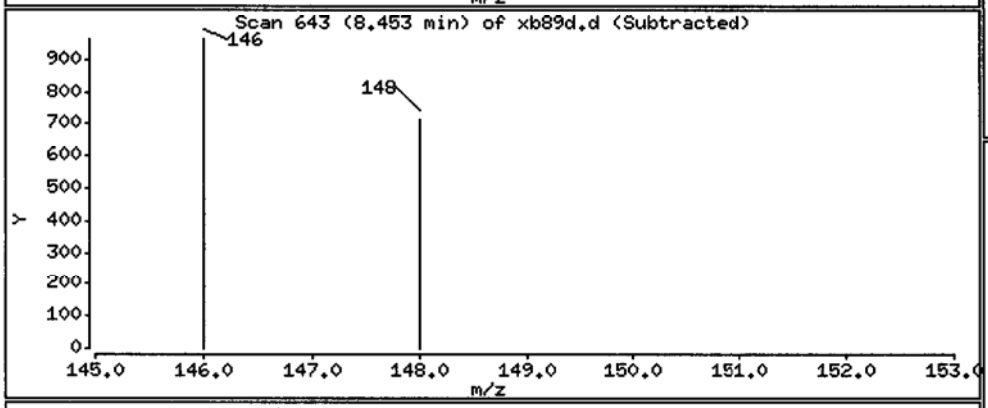
Column diameter: 0.25

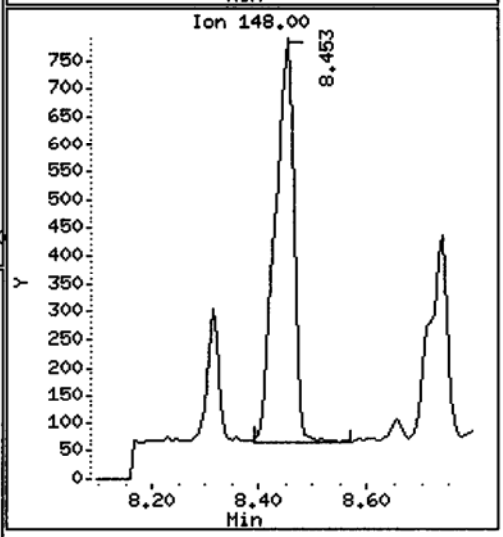
9 1,4-Dichlorobenzene

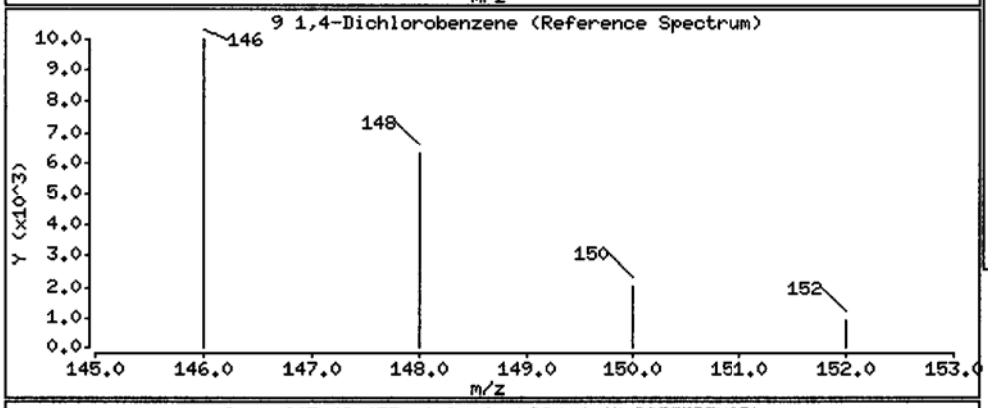
Concentration: 3.836 ug/kg

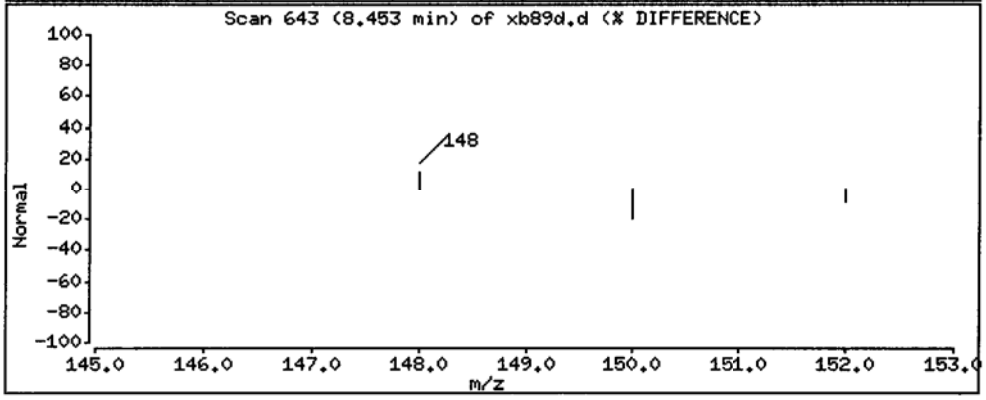












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

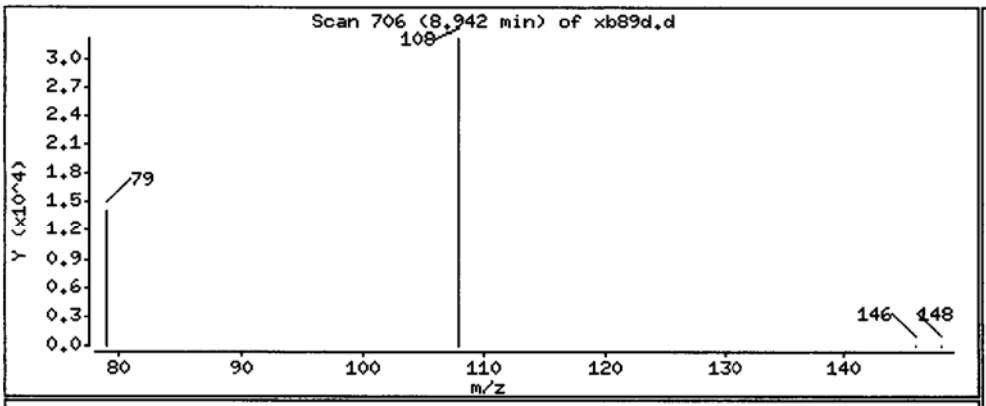
Operator: VTS/YZ

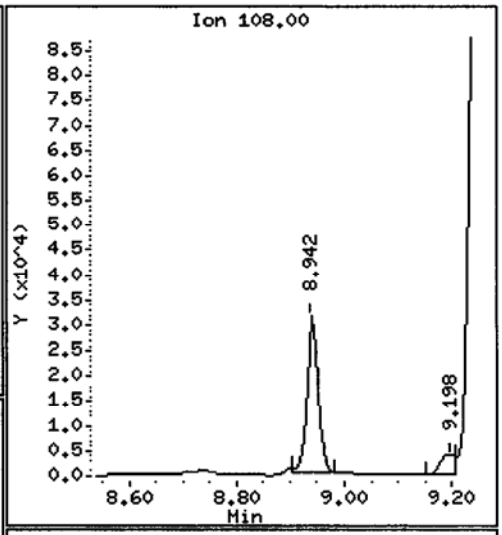
Column phase: ZB-5msi

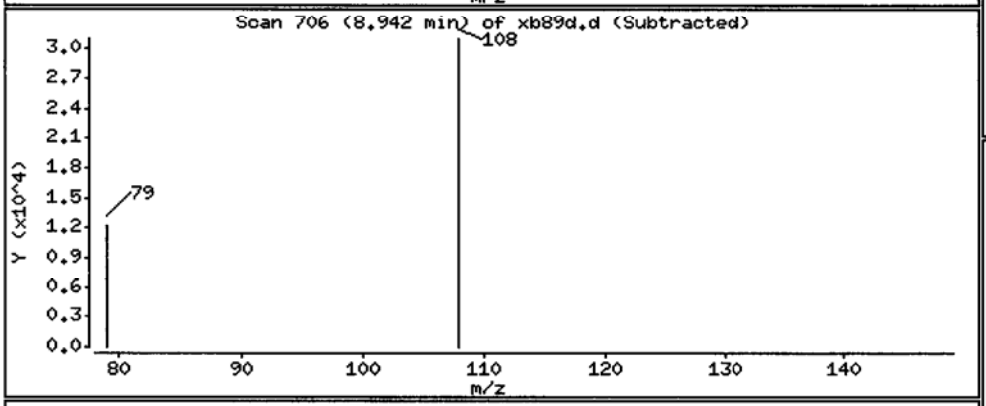
Column diameter: 0.25

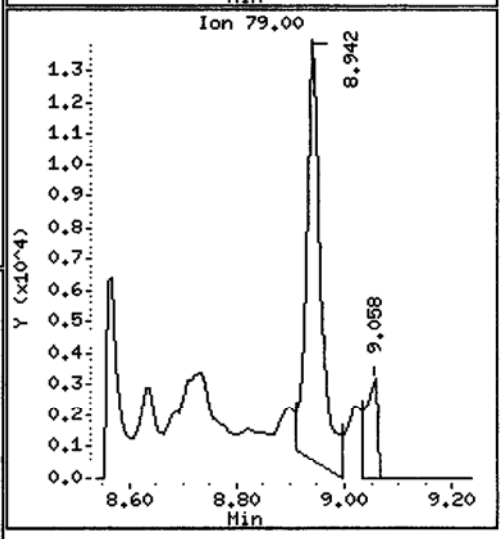
13 2-Methylphenol

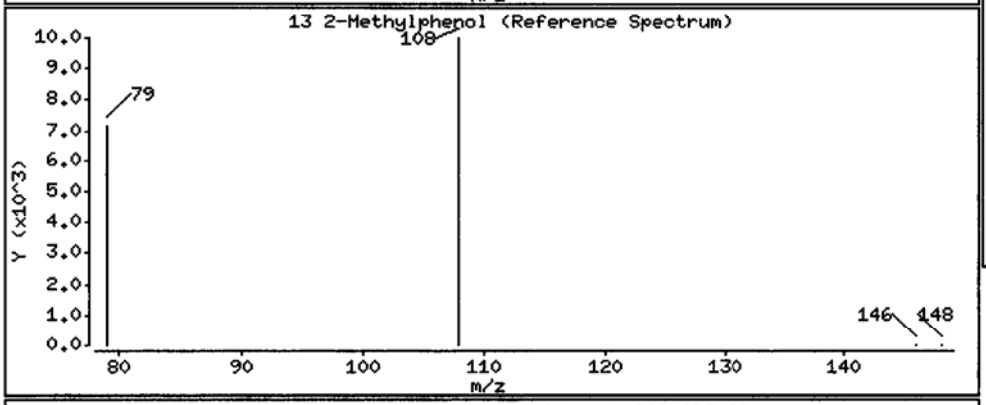
Concentration: 137.4 ug/kg

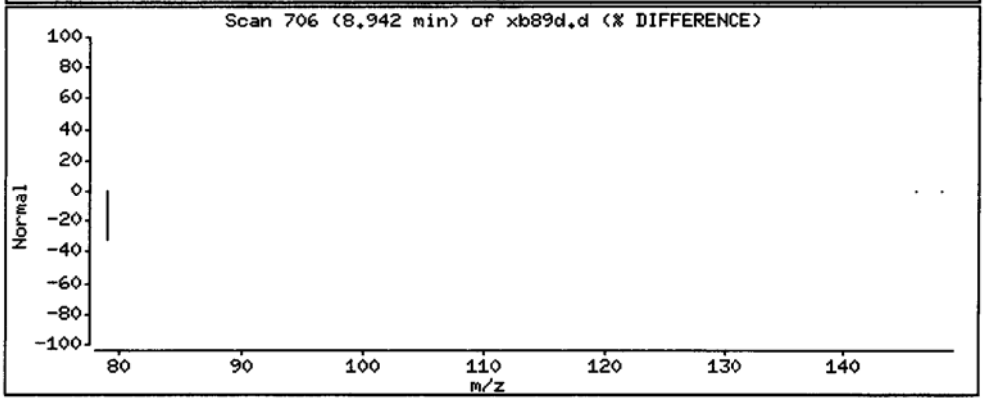












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

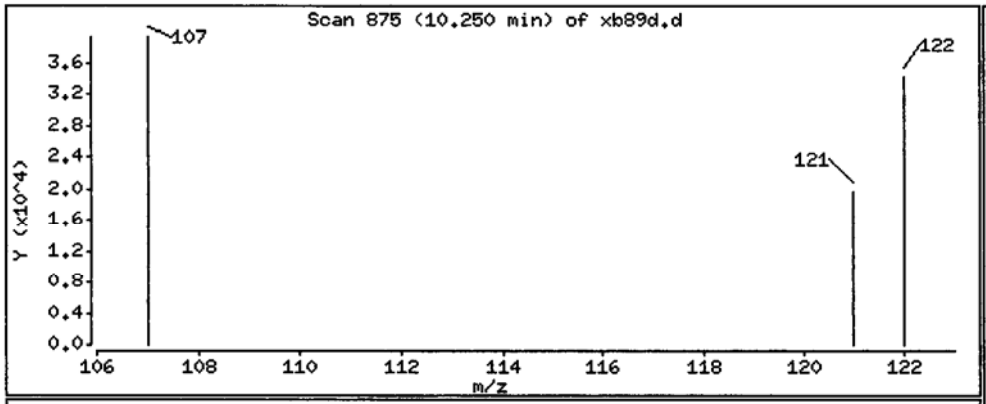
Operator: VTS/YZ

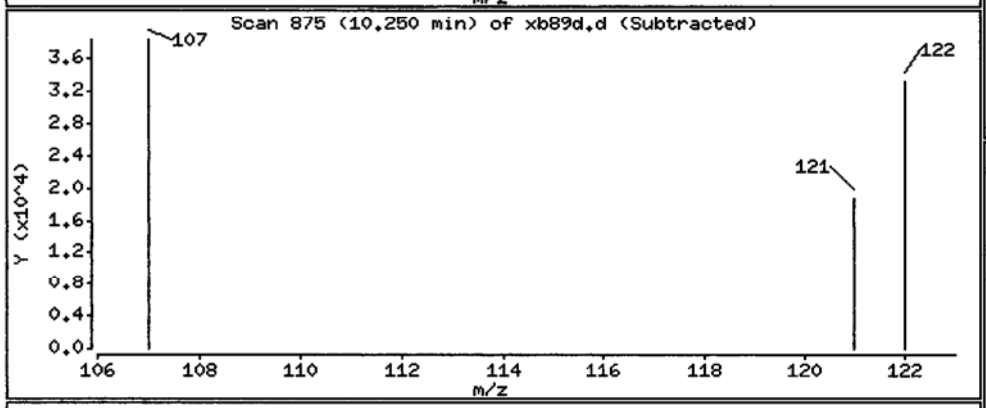
Column phase: ZB-5msi

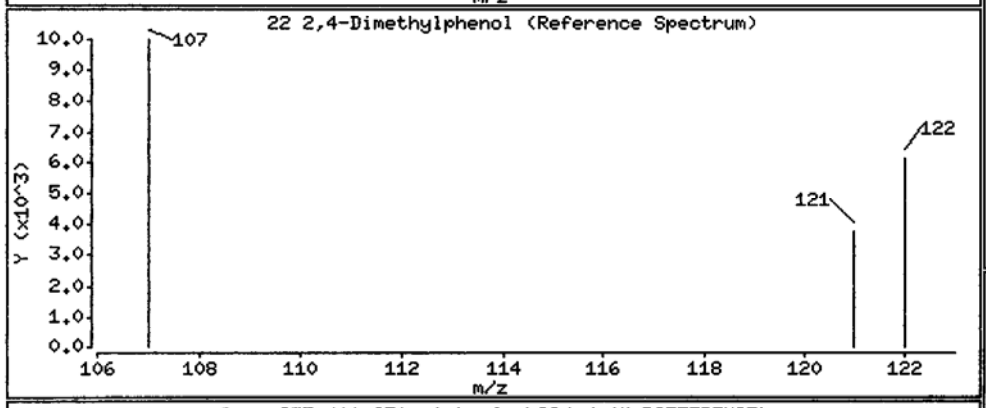
Column diameter: 0.25

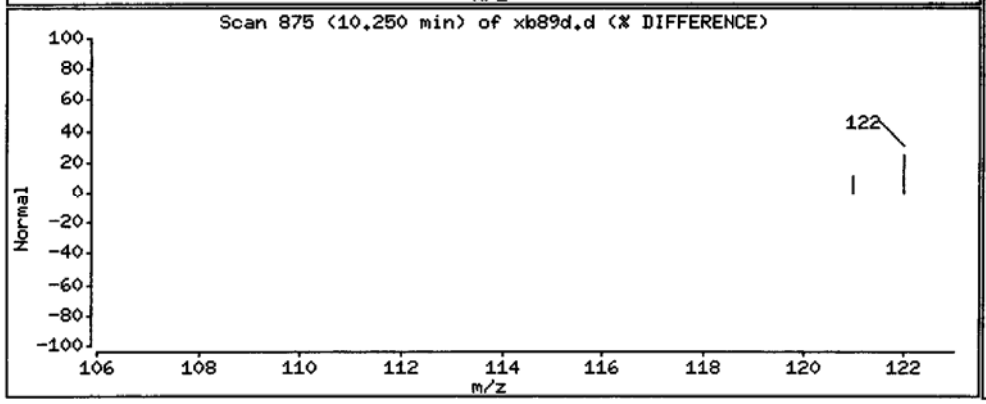
22 2,4-Dimethylphenol

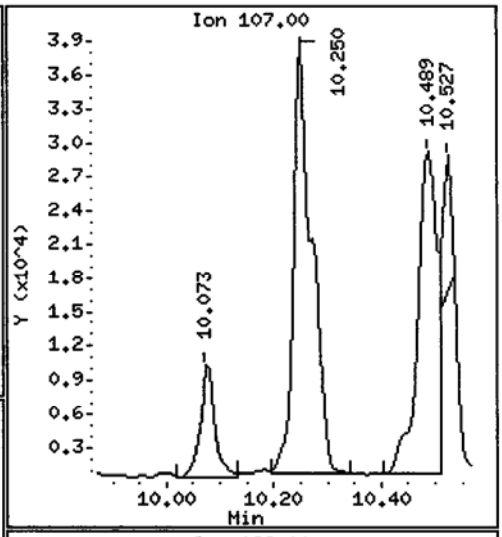
Concentration: 254.2 ug/kg

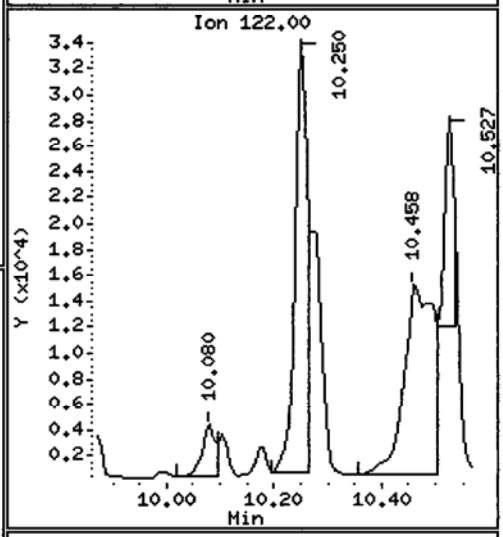


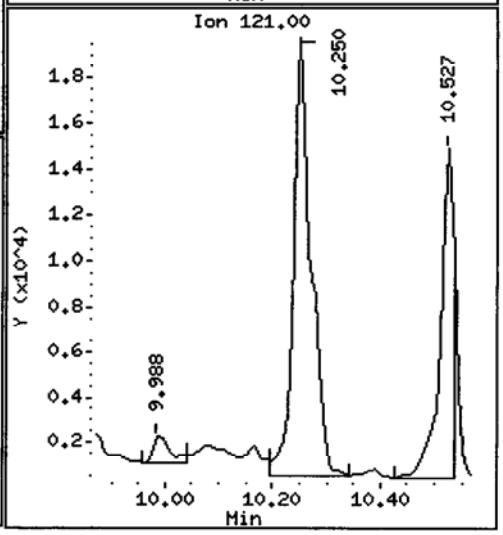












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

Operator: VTS/YZ

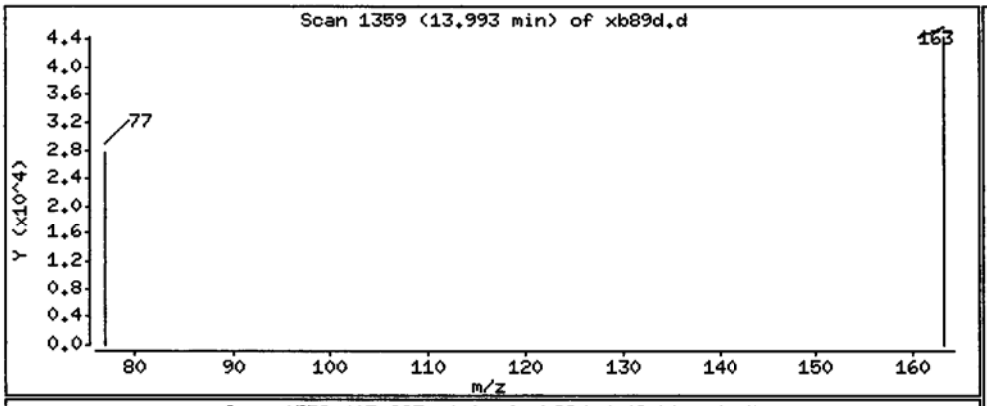
Column phase: ZB-5msi

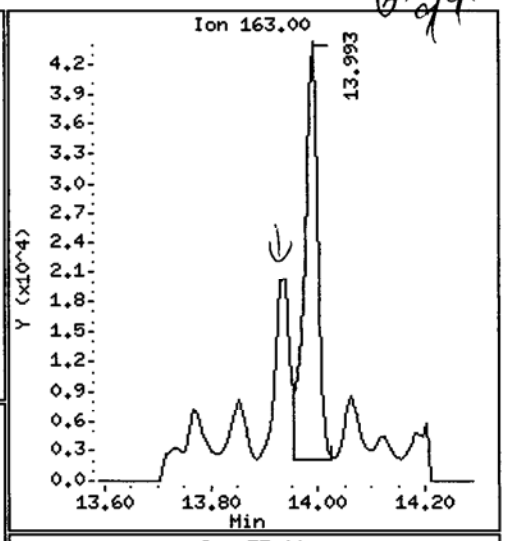
Column diameter: 0.25

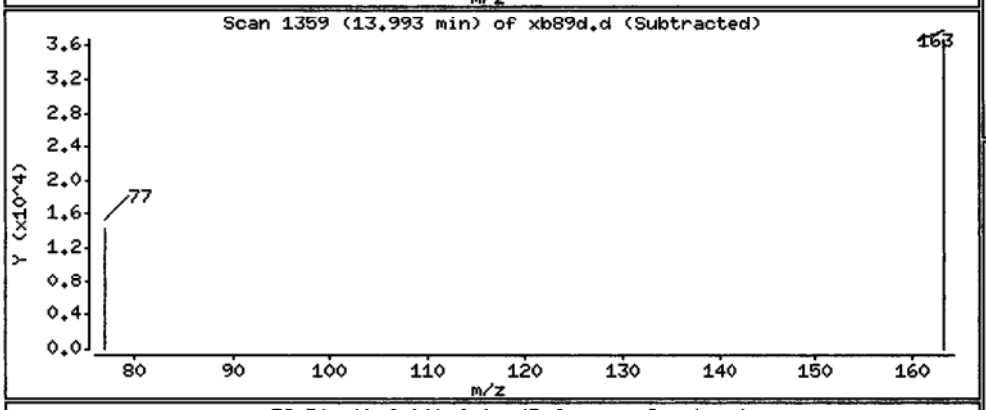
39 Dimethylphthalate

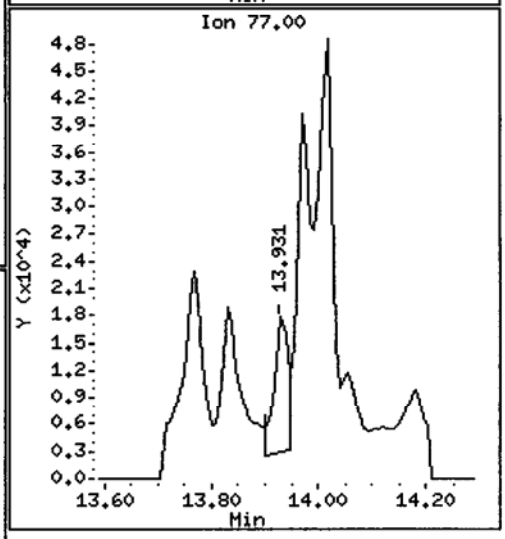
Concentration: 115.4 ug/kg

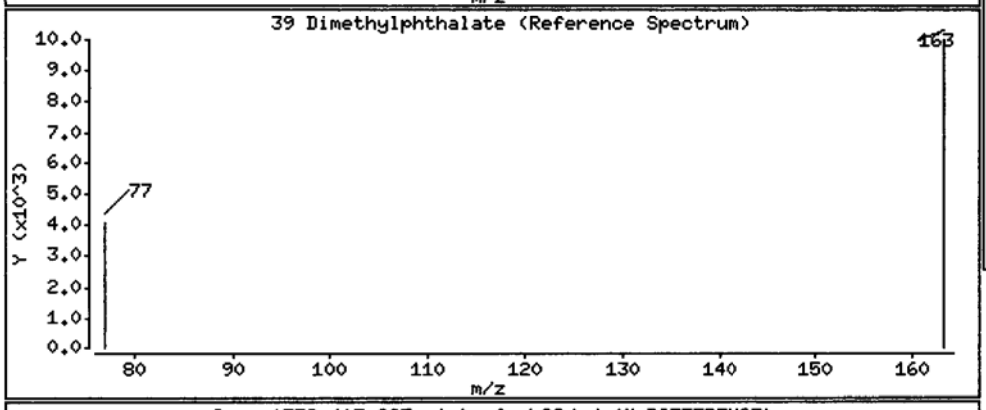
(Y) RT 13.99 OK 9/9/13

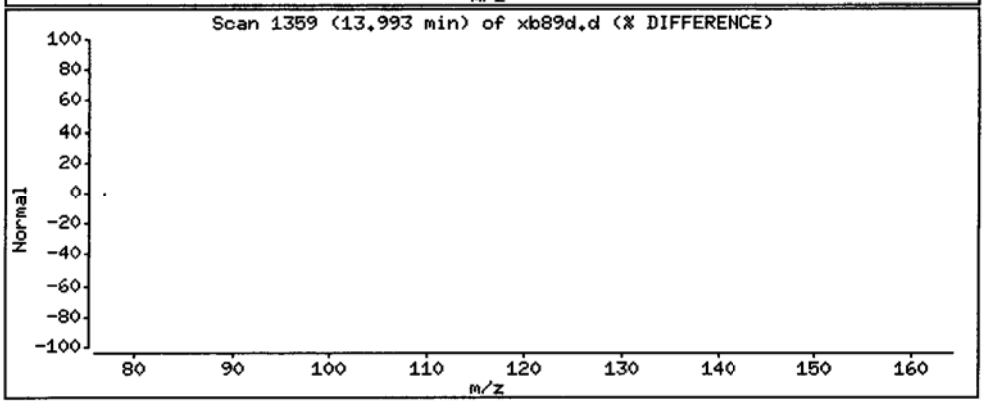












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

Operator: VTS/YZ

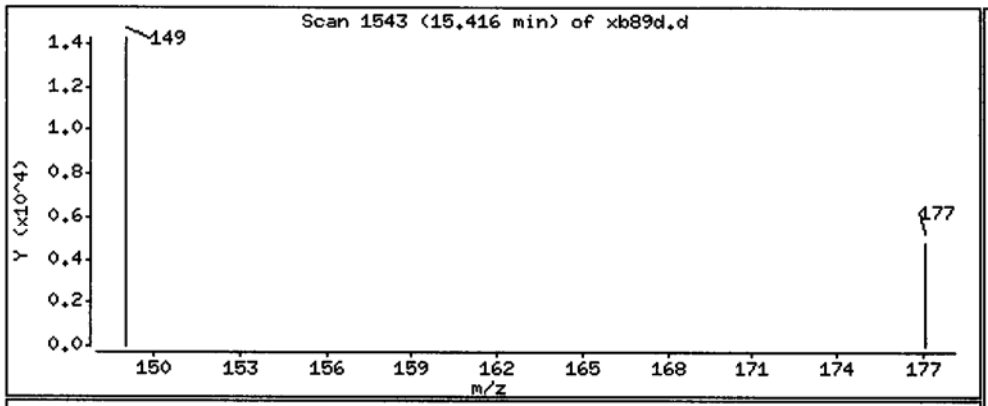
Column phase: ZB-5msi

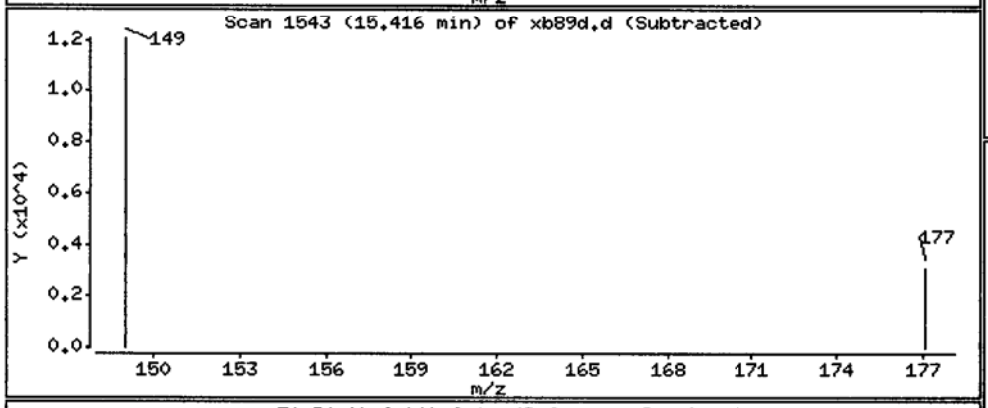
Column diameter: 0.25

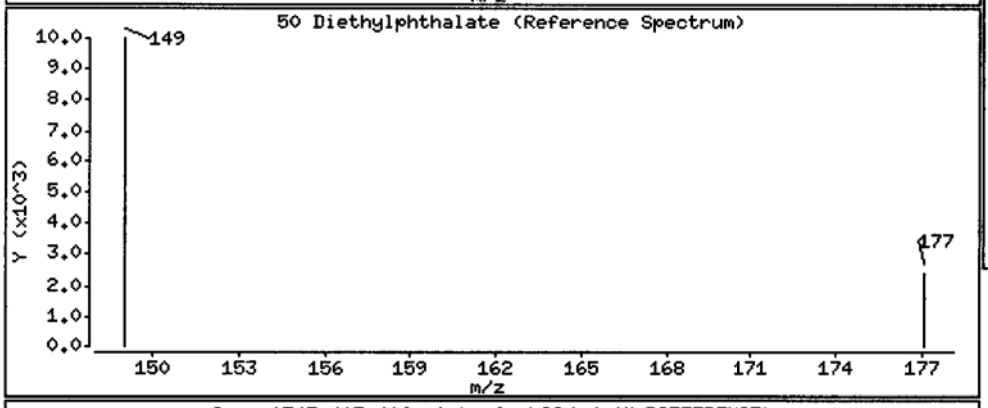
50 Diethylphthalate

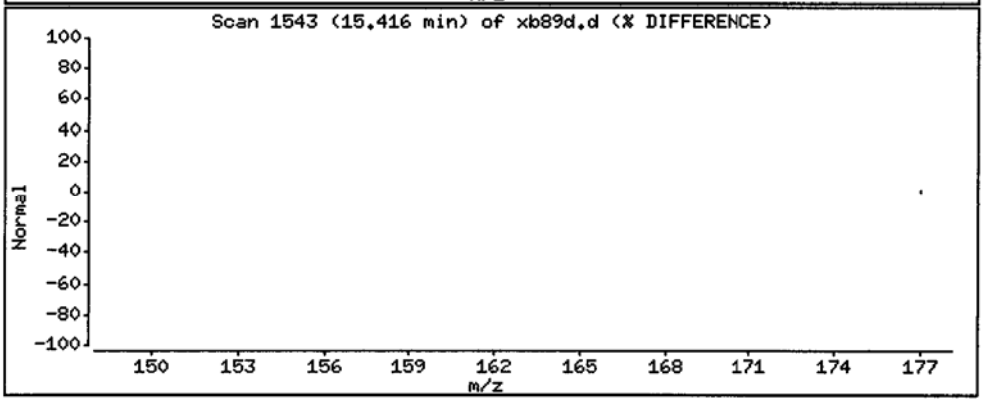
Concentration: 26.26 ug/kg

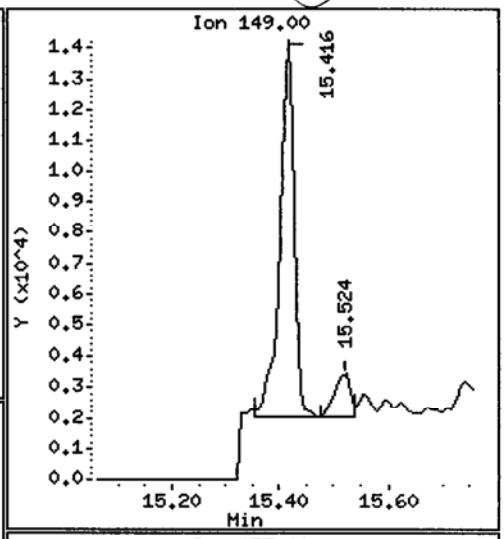
(13)

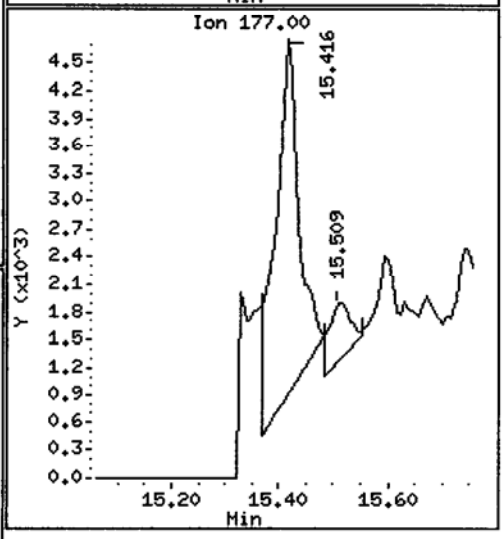












Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Date : 02-SEP-2013 17:05

Client ID: IJ13-VC-101-2-3.9

Instrument: nt10.i

Sample Info: XB89D

Volume Injected (uL): 1.0

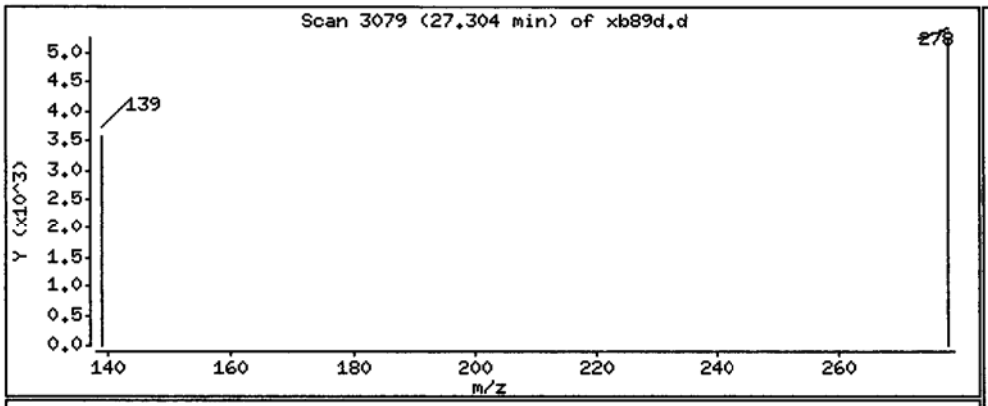
Operator: VTS/YZ

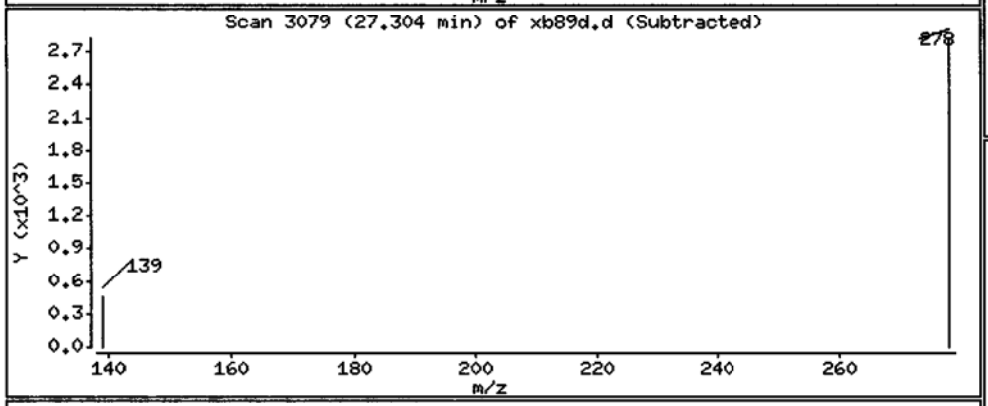
Column phase: ZB-5msi

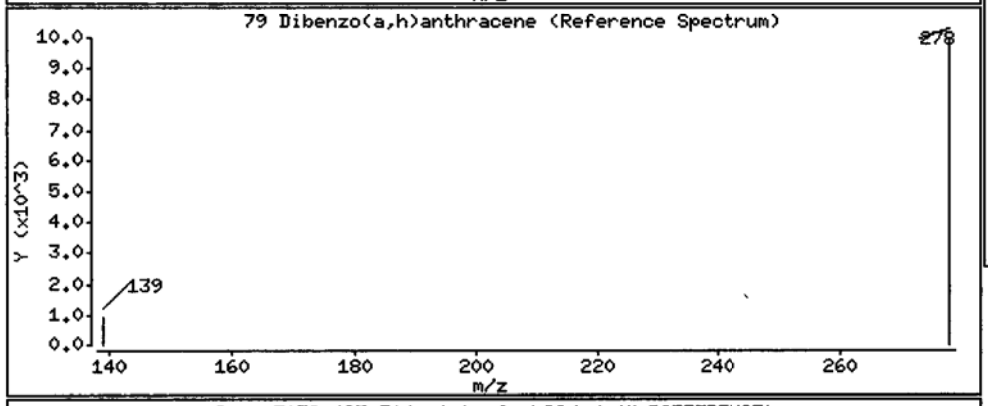
Column diameter: 0.25

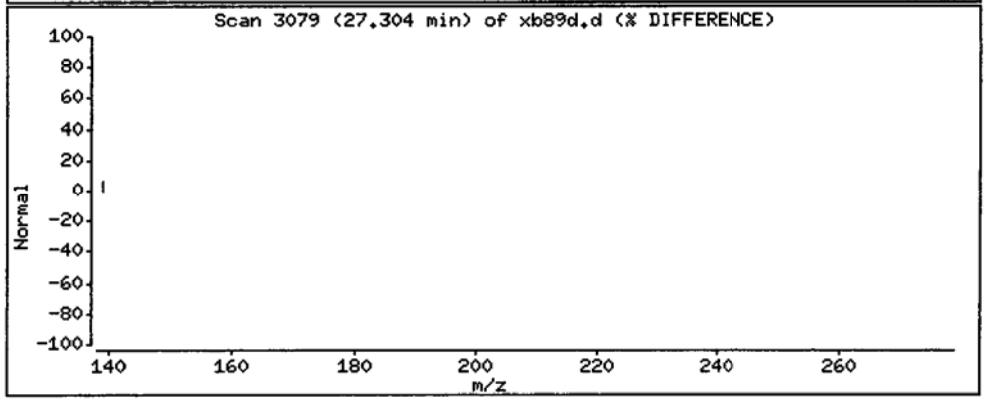
79 Dibenzo(a,h)anthracene

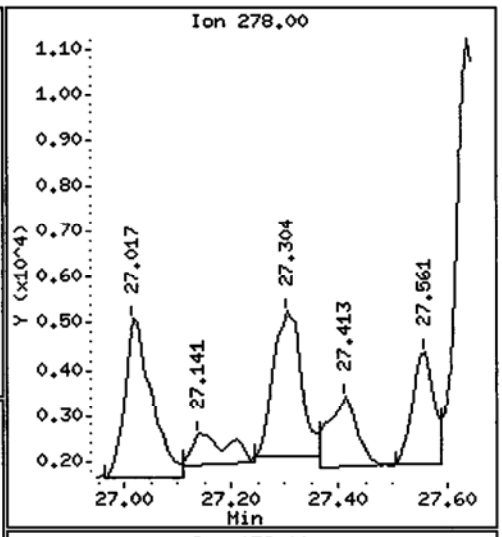
Concentration: 9.722 ug/kg

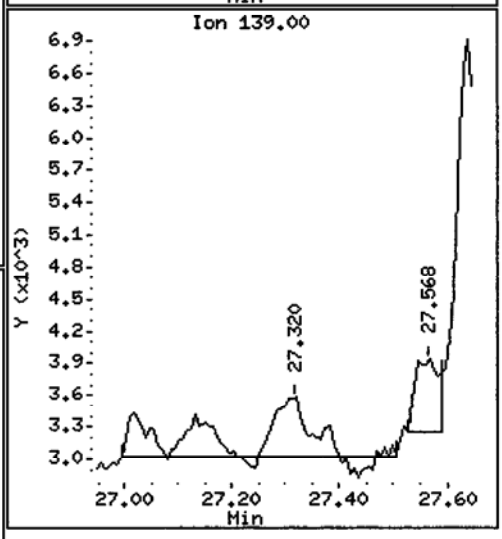






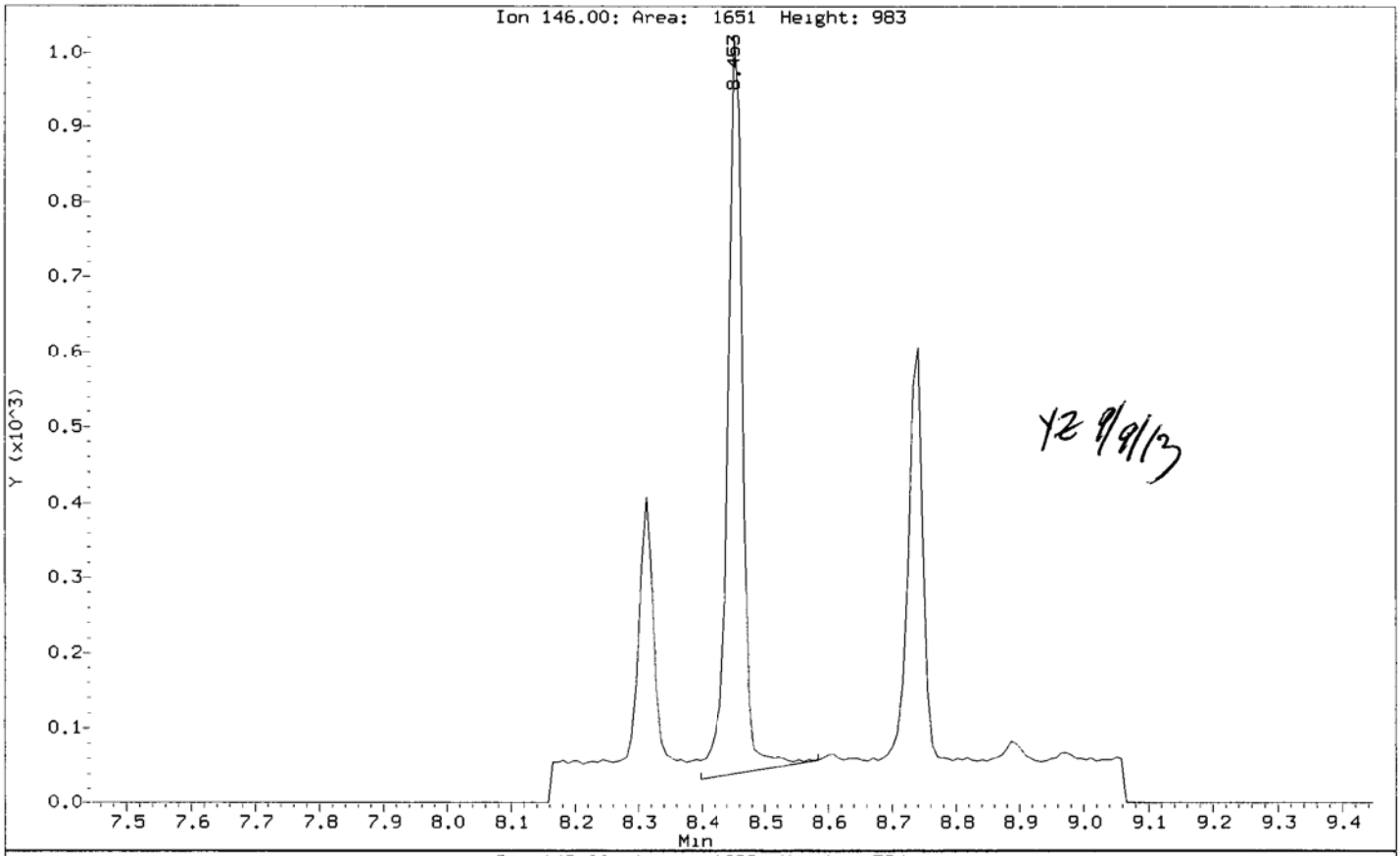


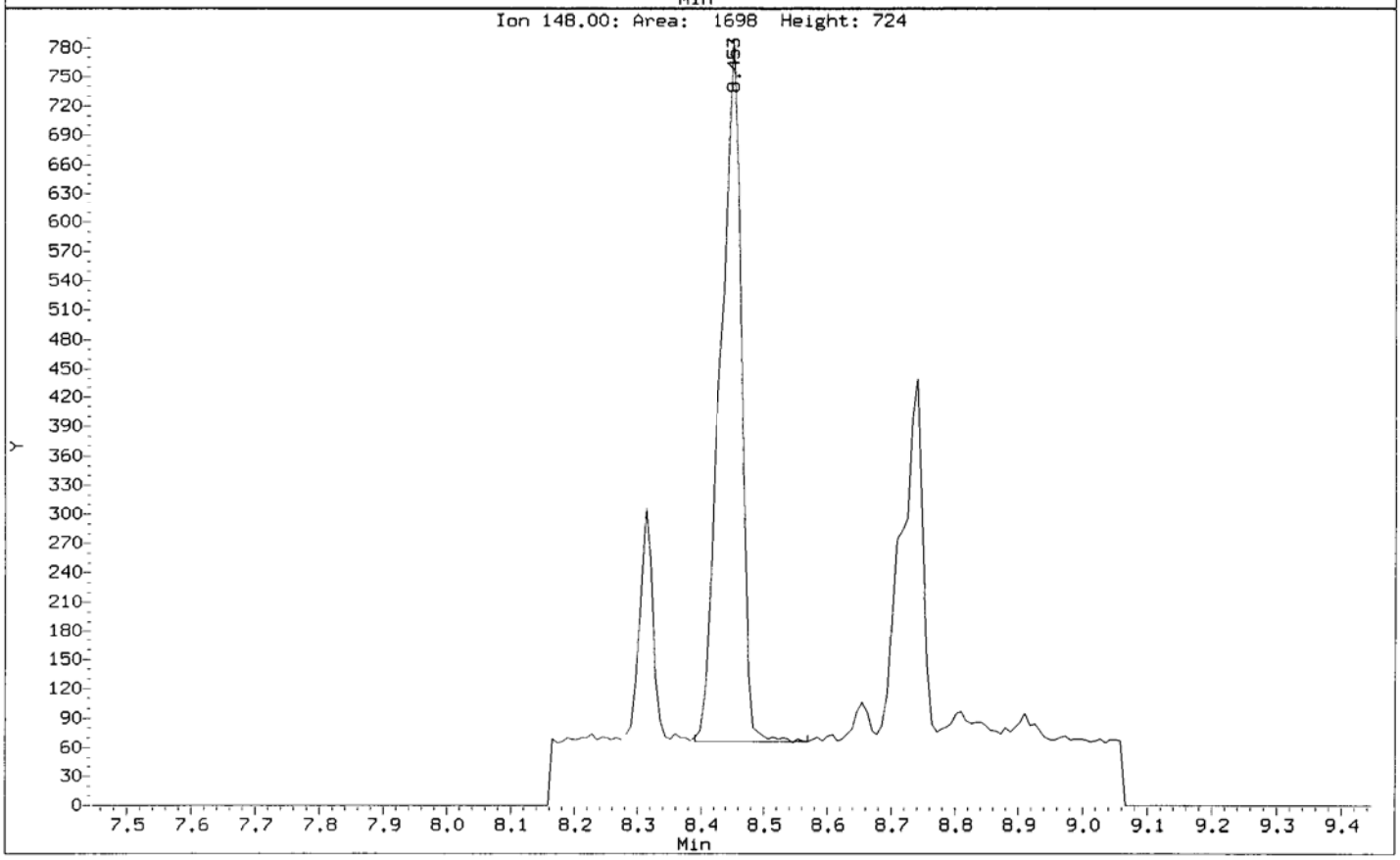




Data File: /chem1/nt10.1/20130902.b/SIM.b/xb89d.d
Injection Date: 02-SEP-2013 17:05
Instrument: nt10.1
Client Sample ID:

Compound: 1,4-Dichlorobenzene
CAS Number: 106-46-7

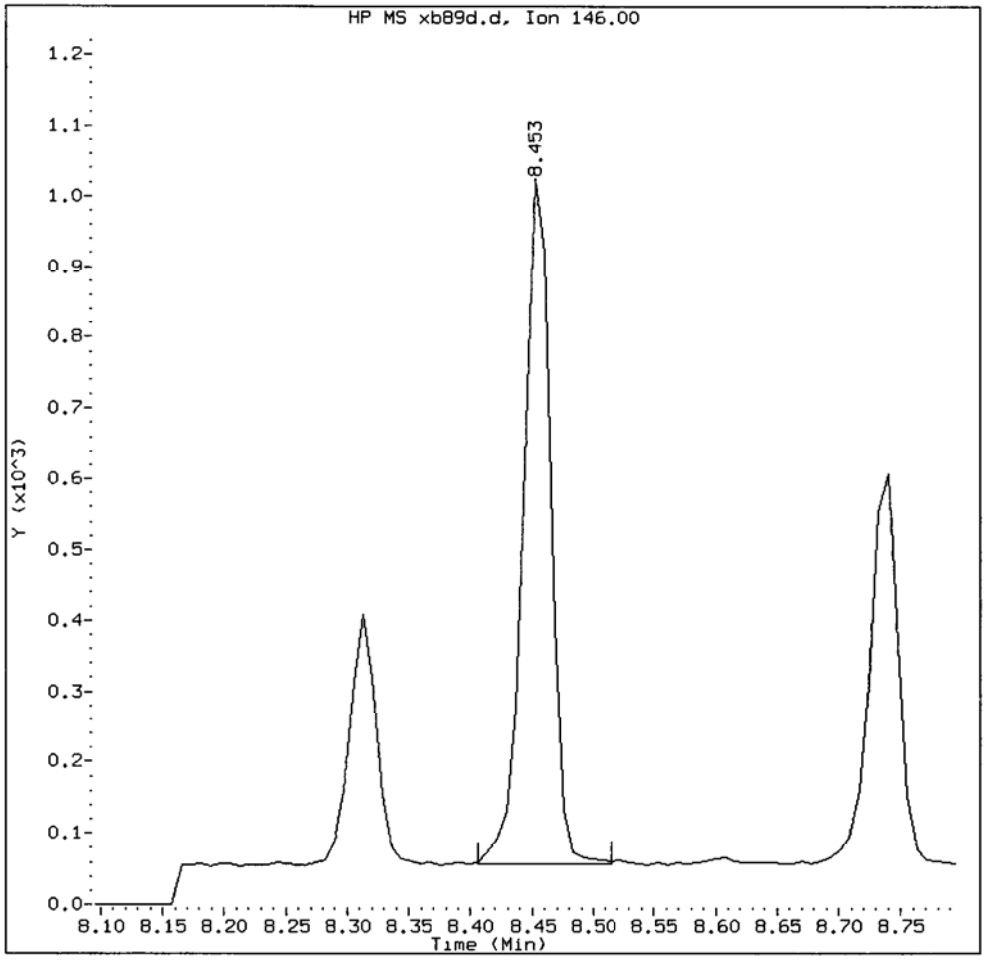




XB89:00913

XB89D, /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

1,4-Dichlorobenzene Amount: 0.04 Area: 1509



MANUAL INTEGRATION for 1,4-Dichlorobenzene

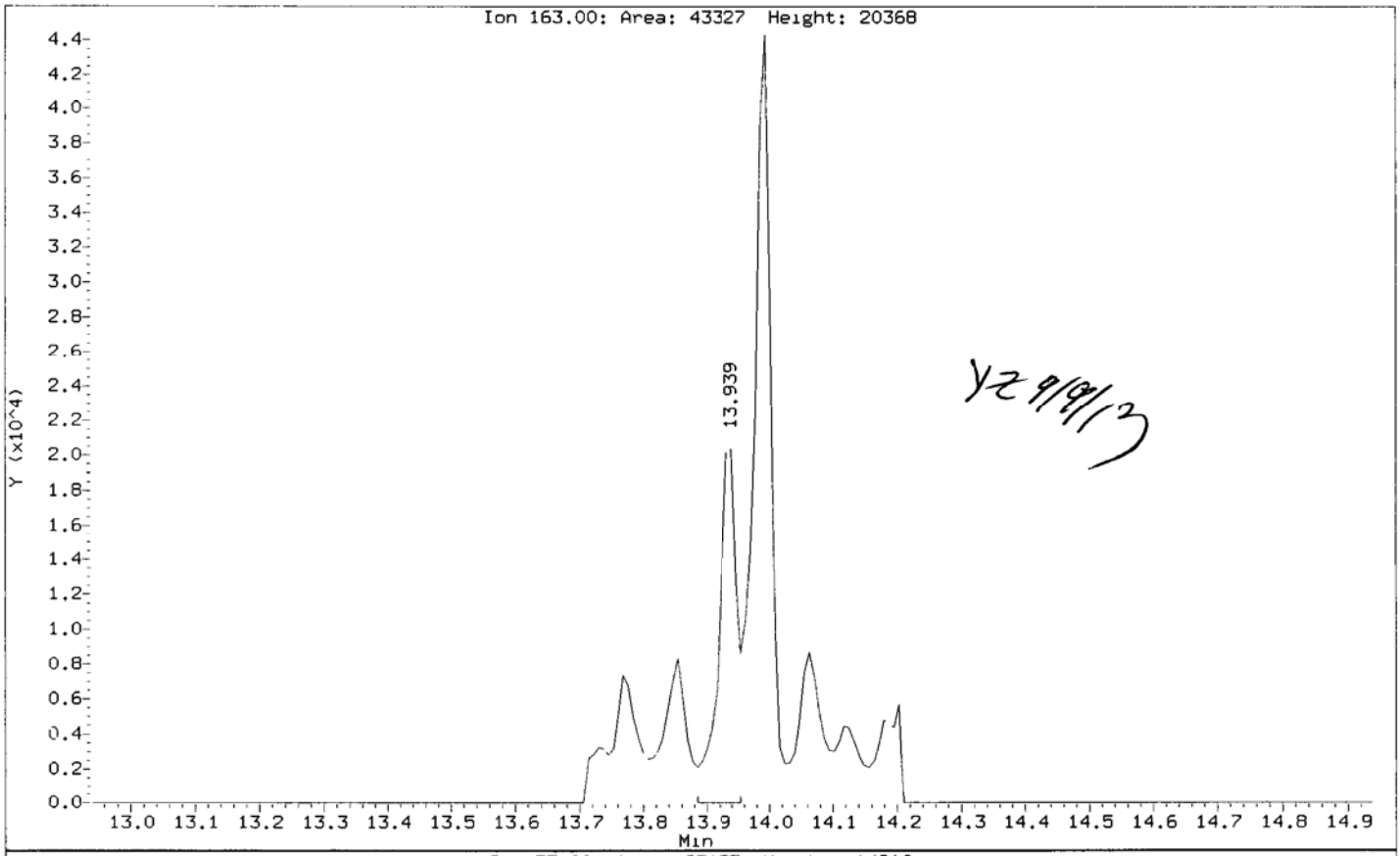
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

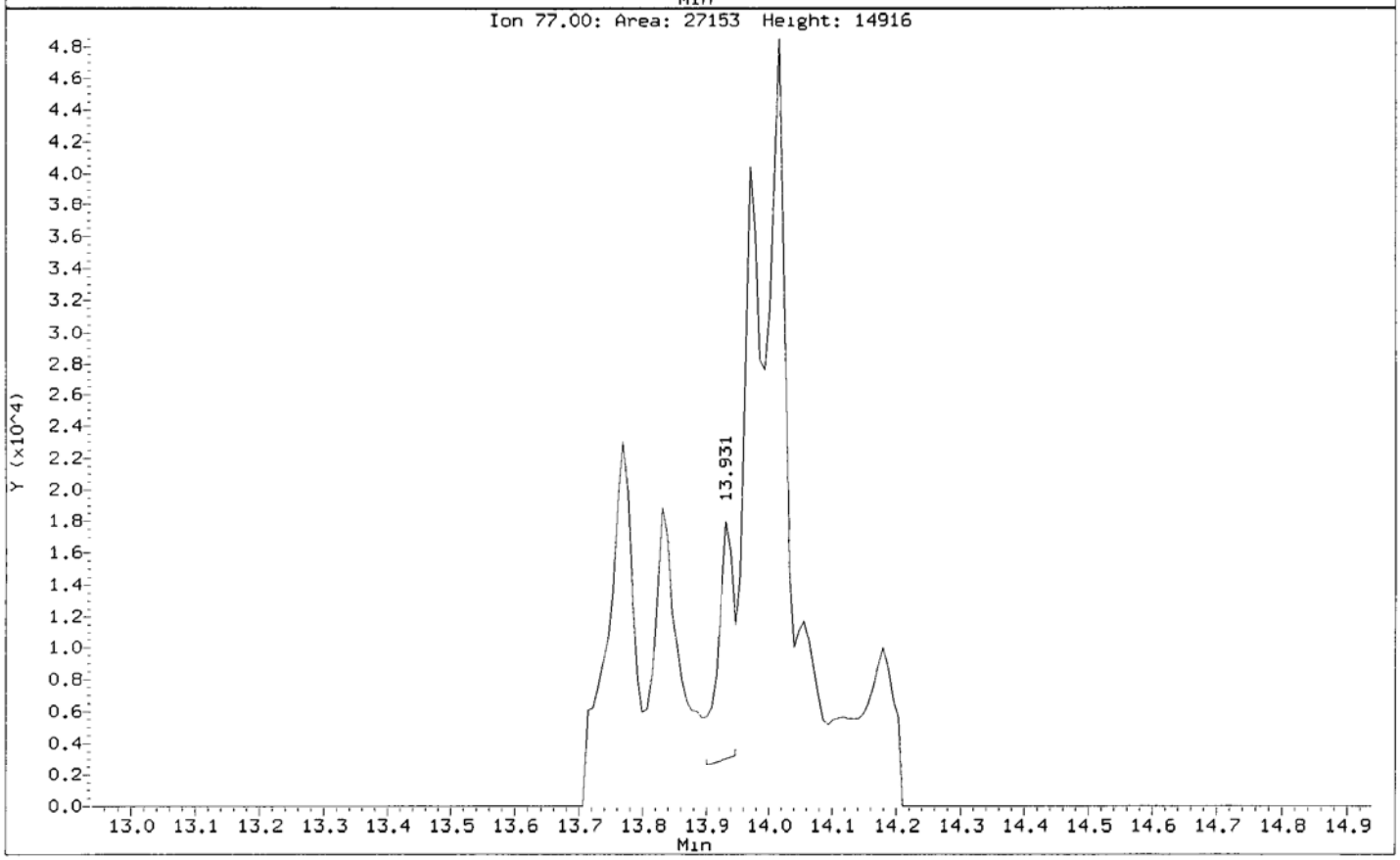
Analyst: VZ Date: 9/9/13

Data File: /chem1/nt10.i/20130902.b/SIM.b/xb89d.d
Injection Date: 02-SEP-2013 17:05
Instrument: nt10.i
Client Sample ID:

Compound: Dimethylphthalate
CAS Number: 131-11-3

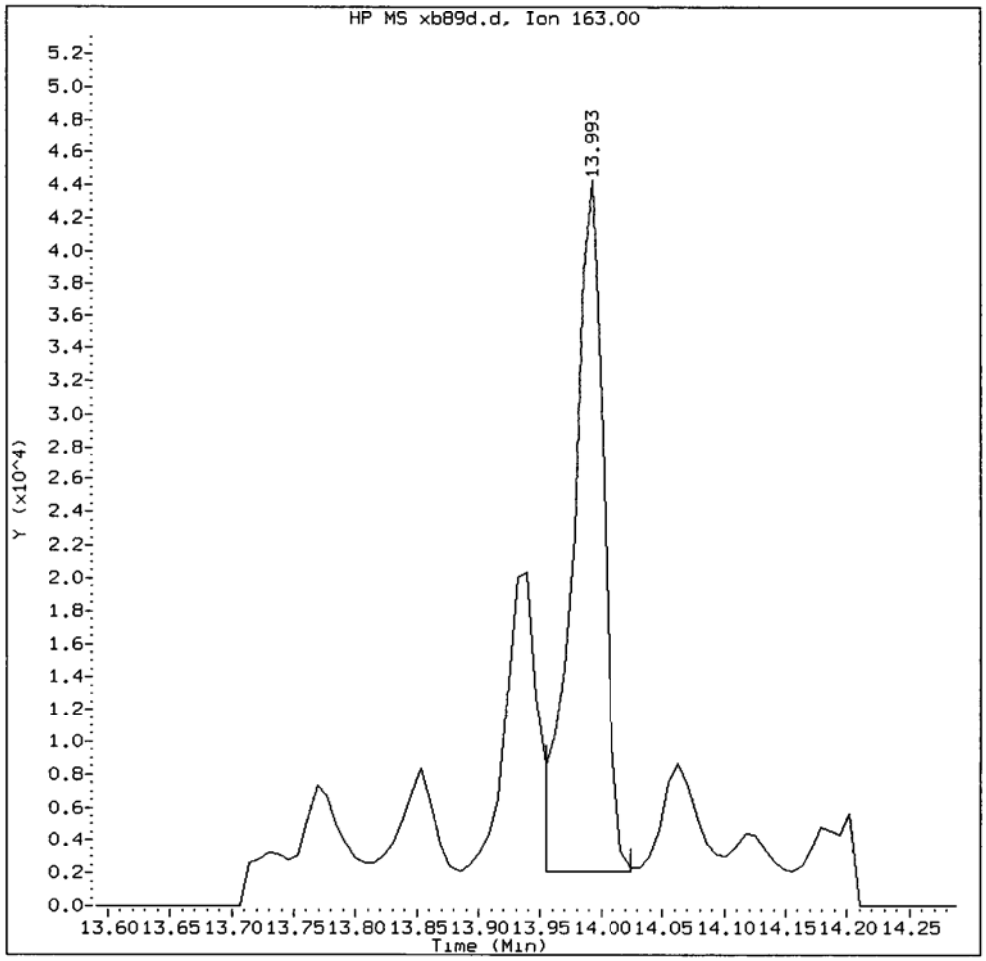


YZ 9/9/13



XB89D, /chem1/nt10.i/20130902.b/SIM.b/xb89d.d

Dimethylphthalate Amount: 1.17 Area: 75340



MANUAL INTEGRATION for Dimethylphthalate

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: YZ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89d.d

Lab ID: XB89D, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 02-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources Inc.: Organics Instrument Log

NT-10 Serial No.:GC=CN10837018, MS= US83131105

Date: 09/03/13 Analysis: ABN/SIM BNA Analyst: YZ

GC Program: ABN_2 Column No: 227719 Column Type: ZB-Semi

Instrument Tune (.U or .CT.): B02284 EM Voltage: 1225

Calibration File: DF0903 Curve Date: 08/23/13 Injection Vol.: 1ul

IS/SS	Ical/Ccal		LCS/ICV
B928	B912	B943	
	B676	2084-2	
	B931		

Document All Maintenance Tasks In Element

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt10.i/20130903.b

	Time	Filename	LabID	ClientId	DF											
1	1138	df0903.d	DFTPP	DFTPP	1	NO ISTDS FOUND										
2	1228	cc0903a.d	CC0903A		1	8 21	202060	10.63	727669	14 16	394983	17.20	857122	22.32	820445	24.65	824118
3	1303	xb89e3.d	XB89E		3	8 21	161534	10.63	598522	14 17	269605	17.22	486910	22 34	605141	24.70	664588
4	1338	xb89f.d	XB89F		1	8.21	161022	10 63	614648	14 18	271764	17.22	542573	22.35	613885	24 71	644512
5	1414	xc83mb.d	XC83MBS1	XC83MBS1	1	8 21	199083	10.63	742935	14.16	399793	17.21	816344	22.32	732607	24.66	712961
6	1449	xc83sb.d	XC83LCSS1	XC83LCSS1	1	8 21	168582	10.63	606399	14.16	329168	17 21	709939	22.32	641254	24 66	611555
7	1524	xc83sbd.d	XC83LCSDS1	XC83LCSDS1	1	8.21	175881	10.63	635651	14 16	348097	17 21	735071	22.32	702719	24 66	622400
8	1600	xc83a d	XC83A	AS-01-082913	1	8 21	183248	10.63	673027	14 16	316389	17.21	587210	22.34	685212	24.69	712246
9	1635	xc83b5.d	XC83B	DF-01-082913	5	8.21	160197	10.63	581435	14 17	253875	17.22	529617	22 36	638040	24.72	627117
10	1711	mbtest.d	MBTEST		1	8 21	174091	10.63	622353	14.17	337577	17.22	681613	22.33	645600	24.67	680473
11	1746	sbtest.d	SBTEST		1	8 21	176484	10.63	639216	14 17	344470	17.22	732810	22.33	678349	24.67	698359
12	1821	sbdtest.d	SBDTEST		1	8 21	173184	10.63	623362	14.17	335377	17.22	699831	22.33	694149	24 67	681845
13	1857	xc83atest.d	XC83ATEST		1	8.21	168497	10.63	613001	14.17	315335	17.22	533174	22.35	615702	24.70	649429
14	1932	xc83b5test.d	XC83BTEST		5	8.21	166934	10.63	607504	14.18	298051	17.22	593409	22.36	624525	24.72	623558

YZ 9/4/13

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks In Element

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt10.i/20130903.b/SIM.b

Instrument: nt10.i Date: 03-SEP-2013 Method: SIM.b/SIMABN2.m

INITIAL CAL: 23-AUG-2013

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 03-SEP-2013

Compound	%D
Pentachlorophenol	-64.4

Data File: /chem1/nt10.i/20130903.b/df0903.d

Date : 03-SEP-2013 11:38

Client ID: DFTPP

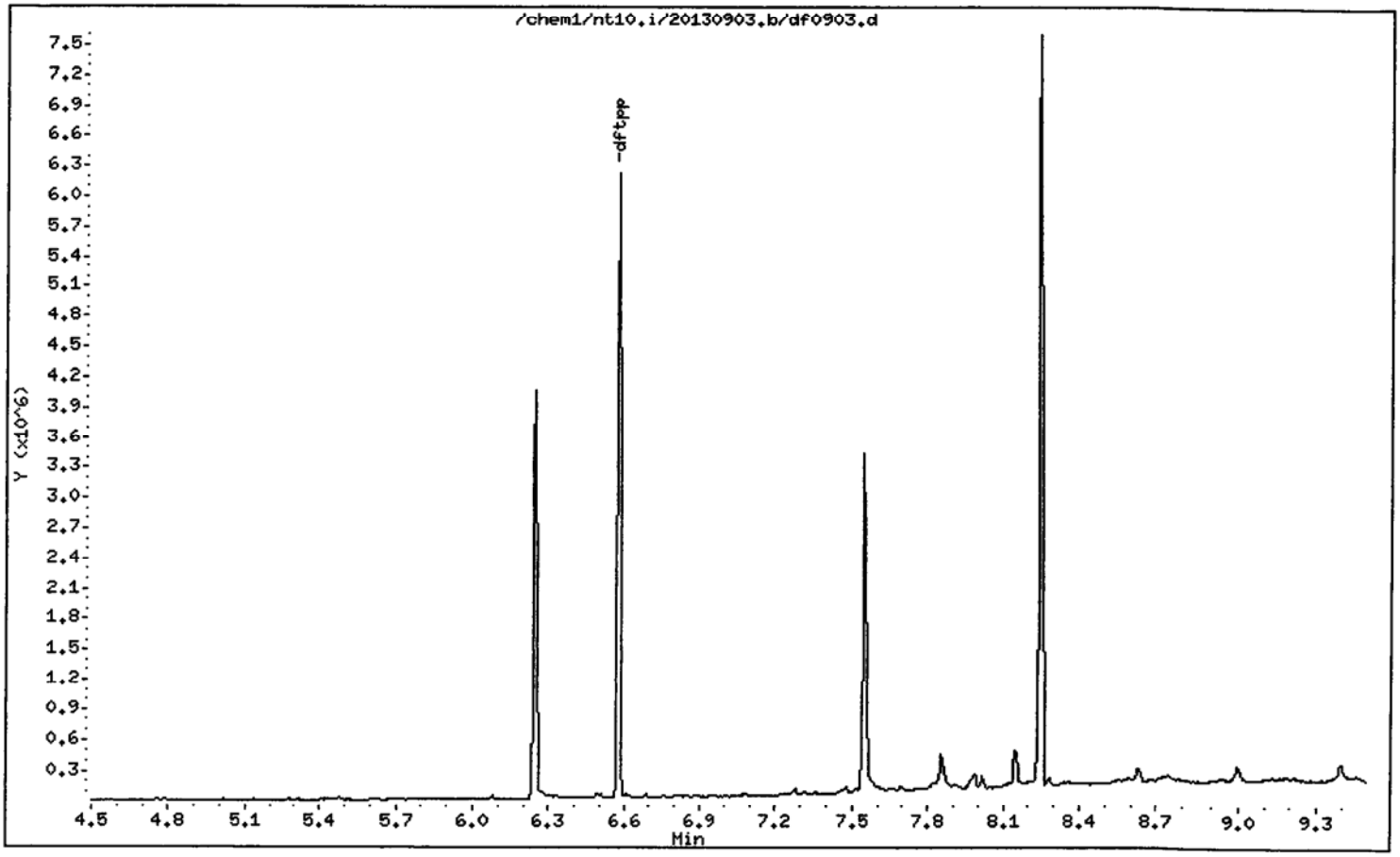
Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



Data File: /chem1/nt10.i/20130903.b/df0903.d

Date : 03-SEP-2013 11:38

Client ID: DFTPP

Instrument: nt10.i

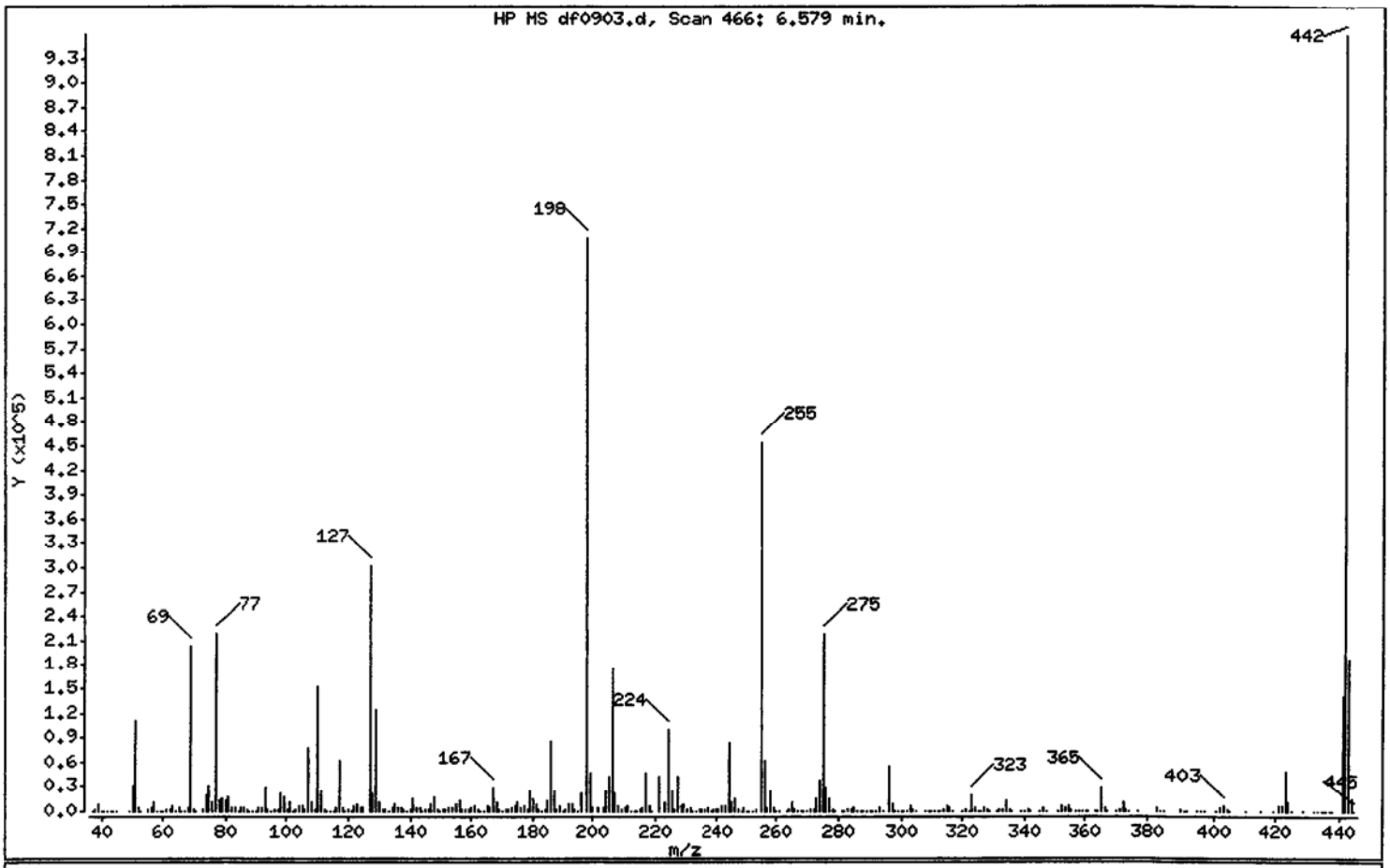
Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	15.60
68	Less than 2.00% of mass 69	0.49 (1.71)
69	Mass 69 relative abundance	28.82
70	Less than 2.00% of mass 69	0.22 (0.77)
127	10.00 - 80.00% of mass 198	42.66
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.67
275	10.00 - 60.00% of mass 198	30.85
365	Greater than 1.00% of mass 198	4.05
441	0.01 - 24.00% of mass 442	20.00 (14.74)
442	50.00 - 200.00% of mass 198	135.72
443	15.00 - 24.00% of mass 442	26.42 (19.47)

Date : 03-SEP-2013 11:38

Client ID: DFTPP Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: df0903.d
Spectrum: HP MS df0903.d, Scan 466: 6.579 min.
Location of Maximum: 442.10
Number of points: 346

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	606	130.00	10101	218.00	5883	312.00	252
38.10	1749	131.00	1972	219.00	542	313.00	612
39.10	8936	132.10	1207	221.00	42432	314.00	2814
40.00	894	133.00	788	223.00	11067	315.00	6433
41.00	1034	134.00	3923	224.00	98984	316.00	4066
42.00	162	135.00	9614	225.10	24448	317.00	545
43.10	1052	136.00	4047	226.10	2573	320.10	177
43.90	321	137.00	4931	227.00	41376	321.10	1416
45.00	315	138.10	1277	228.00	5676	322.10	870
49.10	1033	139.00	1073	229.00	8927	323.10	19352
50.10	30904	140.00	1446	230.00	1339	324.10	4016
51.10	110344	141.00	15298	231.00	3936	325.00	379
52.10	5298	142.00	5387	232.00	786	325.80	533
53.00	356	143.00	3705	233.00	949	327.00	3963
55.00	1539	144.00	1051	234.00	2626	328.10	1982
56.10	4569	145.10	1574	235.00	3046	328.90	325
57.10	10753	146.00	2445	236.10	1923	330.90	259
57.90	479	147.00	7796	237.00	3514	332.00	1778
59.10	544	148.00	17120	238.10	447	333.00	2687
60.00	498	149.00	2960	239.10	2208	334.10	12262
61.00	2185	150.00	1068	240.00	1698	335.10	3278
62.00	2501	151.00	2503	241.00	2855	336.00	228
63.10	7193	151.80	1652	242.00	5733	339.00	280
64.00	1050	153.00	5514	243.10	6849	340.10	427
65.10	4240	154.00	3673	244.10	84664	341.00	2381
66.00	382	155.00	8959	245.00	10857	342.00	955
67.10	587	156.00	12247	246.00	14945	345.00	176
68.00	3485	157.00	2916	247.00	3292	346.00	4024
69.00	203840	158.00	3086	248.20	858	347.10	860
70.00	1568	159.10	2087	249.00	3665	351.00	452
70.90	438	160.00	5145	250.10	729	352.10	7029
73.10	2540	161.00	7712	251.00	1005	353.10	4190
74.00	20032	162.00	2164	252.00	1102	354.10	6684
75.00	31816	163.00	815	253.00	2342	355.00	1230
76.10	10510	164.00	909	255.00	454144	357.00	230

Date : 03-SEP-2013 11:38

Client ID: DFTPP Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: df0903.d
Spectrum: HP MS df0903.d, Scan 466: 6.579 min.
Location of Maximum: 442.10
Number of points: 346

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	218368	165.00	5706	256.00	61472	358.00	211
78.10	14276	166.00	4713	257.00	4760	359.10	347
79.00	15619	167.00	29608	258.00	23992	360.10	277
80.00	12277	168.00	10450	259.00	3884	360.90	180
81.00	17520	169.00	2561	260.00	646	363.30	281
82.00	5011	169.90	903	261.00	802	364.00	385
83.00	4662	170.10	902	263.10	551	365.00	28616
84.00	951	171.00	1664	263.90	1342	366.00	3341
85.00	3919	172.00	2875	265.00	10689	366.80	166
86.00	5162	173.00	3959	266.00	1974	370.10	781
87.00	2107	174.10	6601	266.90	421	371.00	1763
88.00	880	175.00	12069	267.90	562	372.10	11966
89.00	219	176.00	3392	268.80	210	373.10	3166
90.00	174	177.00	5803	270.00	628	374.00	334
91.00	4881	178.00	2560	270.90	1220	377.00	289
92.00	4484	179.00	24760	272.00	1302	383.00	3429
93.00	29784	180.00	16392	273.00	14538	384.00	961
94.00	2450	181.00	8213	274.00	37328	385.10	343
95.00	1019	182.00	1377	275.00	218176	390.00	1633
96.00	1575	183.00	673	276.00	28000	391.20	1018
97.10	1204	184.00	2060	277.00	15625	392.10	827
98.00	22176	185.00	12199	278.10	2569	395.10	279
99.00	16832	186.00	86656	278.90	451	396.10	175
100.10	1666	187.00	24680	281.00	594	397.00	184
101.00	10343	188.00	2606	282.00	752	400.90	518
101.90	752	189.00	5567	283.10	2613	402.10	4724
103.00	3173	189.90	1092	284.00	1530	403.10	7350
104.00	6566	191.00	2843	285.00	3948	404.10	2274
105.00	6900	192.00	8043	286.10	673	405.00	348
106.00	2530	193.00	7778	287.20	216	410.10	332
107.00	77456	194.00	2270	287.90	305	415.00	489
108.00	12094	195.10	1090	289.10	703	419.50	178
109.10	2858	196.00	22040	290.00	714	421.00	6679
110.00	152640	198.00	707264	291.00	345	422.10	6897
111.00	23616	199.00	47160	292.00	804	423.10	48544

Date : 03-SEP-2013 11:38

Client ID: DFTPP Instrument: nt10.i

Sample Info: DFTPP

Operator: YZ

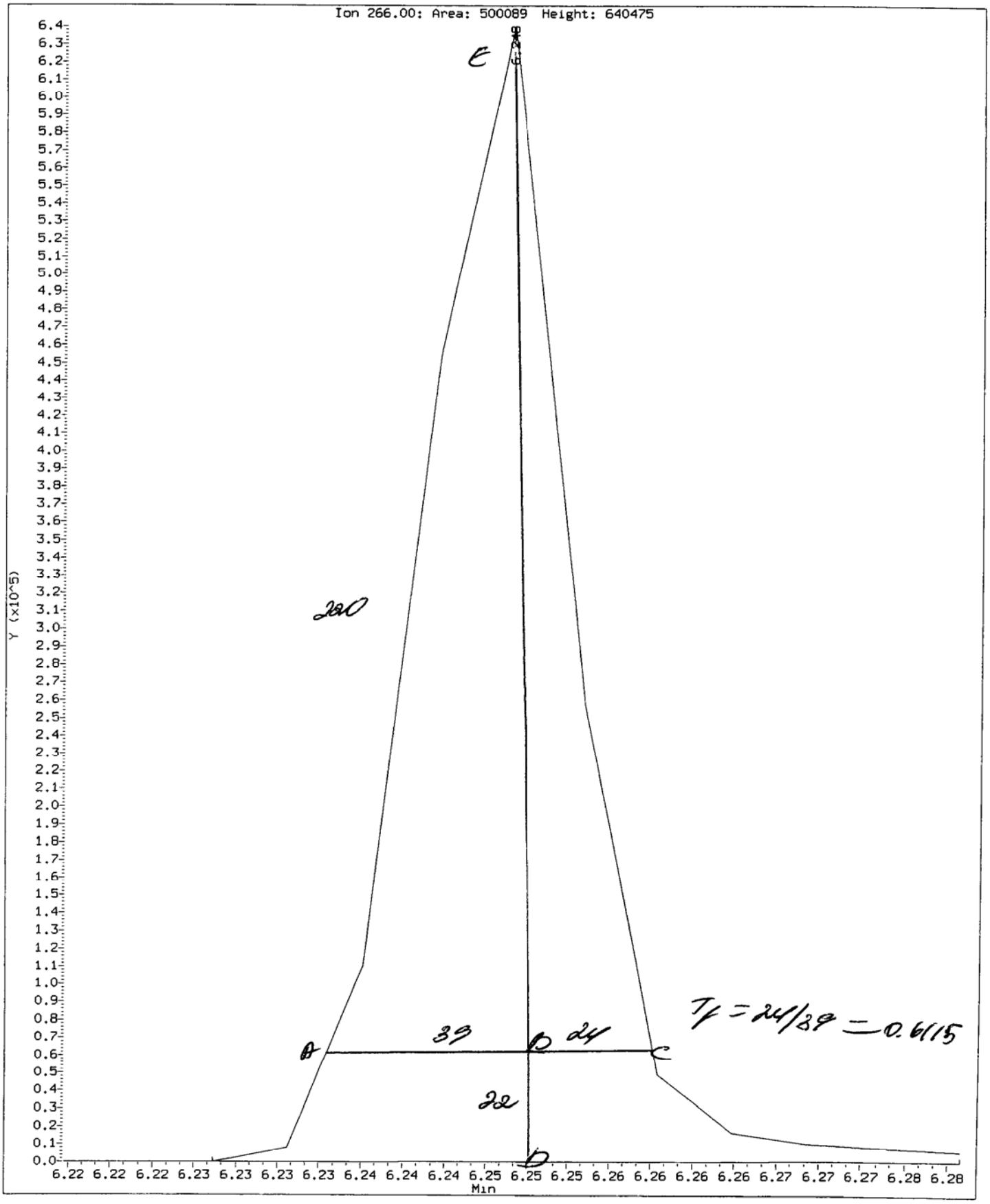
Column phase: ZB-5msi Column diameter: 0.25

Data File: df0903.d
Spectrum: HP MS df0903.d, Scan 466: 6.579 min.
Location of Maximum: 442.10
Number of points: 346

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	3130	200.00	3342	293.00	3927	424.10	9964
113.00	914	201.50	3657	294.00	748	425.10	1018
113.90	285	203.00	5366	296.00	55968	429.00	150
115.10	608	204.00	24776	297.00	8127	432.30	184
116.00	5337	205.00	41376	298.10	456	433.80	239
117.00	61480	206.10	175040	299.10	252	434.50	255
118.00	4762	207.10	22296	300.20	233	435.20	290
119.00	502	208.00	5579	300.80	544	435.90	513
120.00	1305	209.00	2084	301.10	561	436.90	727
121.10	609	210.40	3492	302.10	987	437.40	1066
122.00	5749	211.00	6915	303.00	6727	441.10	141440
123.00	9506	212.20	672	304.10	1918	442.10	959872
124.00	3769	213.10	891	305.10	238	443.10	186880
125.00	3991	214.20	422	308.00	877	444.10	16286
127.00	301696	215.10	1986	308.90	698	445.00	1016
128.00	23040	216.00	3486	310.00	687		
129.00	122512	217.00	46672	311.10	161		

Data File: /chem1/nt10.i/20130903.b/ddt.b/df0903.d
Injection Date: 03-SEP-2013 11:38
Instrument: nt10.i
Client Sample ID: DFTPP

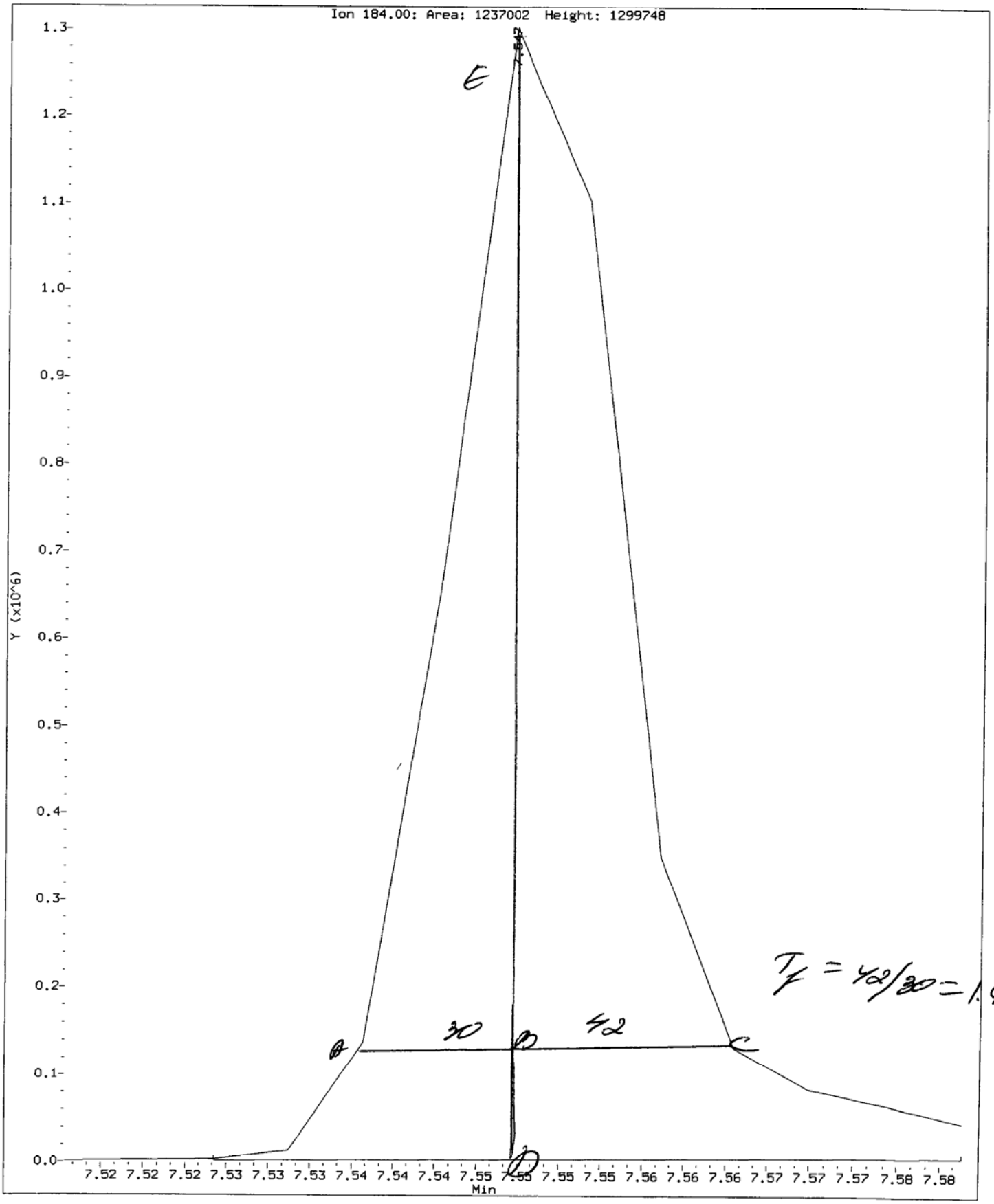
Compound: Pentachlorophenol
CAS Number: 87-86-5



XBB9 : 00325

Data File: /chem1/nt10.i/20130903.b/ddt.b/df0903.d
Injection Date: 03-SEP-2013 11:38
Instrument: nt10.i
Client Sample ID: DFTPP

Compound: Benzidine
CAS Number:



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt10.i/20130903.b/ddt.b/df0903.d
Method: /chem1/nt10.i/20130903.b/ddt.b/sw846ddt.m
Analysis Date: 03-SEP-2013 11:38

ARI ID: DFTPP
Misc: 11-
Instrument: nt10.i

COMPOUND	RT	AREA
Pentachlorophenol	6.248	500089
Benzidine	7.547	1237002
4,4'-DDE	7.697	3421
4,4'-DDD	7.986	18183
4,4'-DDT	8.248	1351078

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(3421 + 18183) * 100}{(3421 + 18183 + 1351078)}$$

DDT Percent Breakdown = 1.6 %

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt10.i
Lab File ID: cc0903a.d
Analysis Type:
Lab Sample ID: CC0903A
Method: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m

Injection Date: 03-SEP-2013 12:28
Init. Cal. Date(s): 23-AUG-2013 23-AUG-2013
Init. Cal. Times: 16:04 20:56
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF1	CCAL RRF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 2-Fluorophenol	1.22488	1.19804	1.19804	0.010	-2.19093	20.00000	Averaged	
3 Phenol	1.39692	1.51619	1.51619	0.010	8.53823	20.00000	Averaged	
7 1,3-Dichlorobenzene	1.38487	1.33076	1.33076	0.010	-3.90758	20.00000	Averaged	
9 1,4-Dichlorobenzene	1.35385	1.29314	1.29314	0.010	-4.48426	20.00000	Averaged	
11 Benzyl alcohol	0.71950	0.73997	0.73997	0.010	2.84489	20.00000	Averaged	
12 1,2-Dichlorobenzene	1.29100	1.25838	1.25838	0.010	-2.52705	20.00000	Averaged	
13 2-Methylphenol	1.13806	1.24453	1.24453	0.010	9.35459	20.00000	Averaged	
15 4-Methylphenol	1.16671	1.24814	1.24814	0.010	6.97948	20.00000	Averaged	
16 N-Nitroso-di-n-propylamine	0.64415	0.66286	0.66286	0.050	2.90462	20.00000	Averaged	
22 2,4-Dimethylphenol	0.34042	0.33752	0.33752	0.010	-0.85245	20.00000	Averaged	
26 1,2,4-Trichlorobenzene	0.34819	0.34590	0.34590	0.010	-0.65635	20.00000	Averaged	
30 Hexachlorobutadiene	0.20445	0.19616	0.19616	0.010	-4.05567	20.00000	Averaged	
39 Dimethylphthalate	1.17998	1.23133	1.23133	0.010	4.35191	20.00000	Averaged	
50 Diethylphthalate	1.43059	1.39161	1.39161	0.010	-2.72463	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.41412	0.42859	0.42859	0.010	3.49487	20.00000	Averaged	
57 Hexachlorobenzene	0.27572	0.26935	0.26935	0.010	-2.31090	20.00000	Averaged	
58 Pentachlorophenol	0.71120	2.00000	0.05621	0.005	-64.44007	20.00000	Quadratic	<-
$ 66 Terphenyl-d14	0.41476	0.44782	0.44782	0.010	7.97043	20.00000	Averaged	
67 Butylbenzylphthalate	0.40058	0.45356	0.45356	0.010	13.22622	20.00000	Averaged	
79 Dibenzo(a,h)anthracene	0.96430	0.97575	0.97575	0.010	1.18808	20.00000	Averaged	
90 N-Nitrosodimethylamine	0.54630	0.53621	0.53621	0.010	-1.84712	20.00000	Averaged	

Analytical Resources, Inc.

YZ 9/4/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130903.b/SIM.b/cc0903a.d
Lab Smp Id: CC0903A
Inj Date : 03-SEP-2013 12:28
Operator : YZ Inst ID: nt10.i
Smp Info : CC0903A
Misc Info :
Comment :
Method : /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Meth Date : 04-Sep-2013 12:10 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	5.979	5.979	(0.729)	60519	1.00000	0.9781
	3	Phenol	94	7.602	7.602	(0.926)	76590	1.00000	1.085
	7	1,3-Dichlorobenzene	146	8.097	8.097	(0.987)	67223	1.00000	0.9609
*	8	1,4-Dichlorobenzene-d4	152	8.205	8.205	(1.000)	202060	4.00000	
	9	1,4-Dichlorobenzene	146	8.236	8.236	(1.004)	65323	1.00000	0.9552
	11	Benzyl alcohol	79	8.477	8.477	(1.033)	37379	1.00000	1.028
	12	1,2-Dichlorobenzene	146	8.508	8.508	(1.037)	63566	1.00000	0.9747
	13	2-Methylphenol	108	8.694	8.694	(1.060)	62867	1.00000	1.094
	15	4-Methylphenol	108	8.981	8.981	(1.095)	63049	1.00000	1.070
	16	N-Nitroso-di-n-propylamine	70	8.958	8.958	(1.092)	33484	1.00000	1.029
	22	2,4-Dimethylphenol	107	9.995	9.995	(0.940)	122800	2.00000	1.983
	26	1,2,4-Trichlorobenzene	180	10.519	10.519	(0.990)	62925	1.00000	0.9934
*	27	Naphthalene-d8	136	10.627	10.627	(1.000)	727669	4.00000	
	30	Hexachlorobutadiene	225	10.913	10.913	(1.027)	35685	1.00000	0.9594
	39	Dimethylphthalate	163	13.645	13.645	(0.963)	121589	1.00000	1.044
*	42	Acenaphthene-d10	162	14.163	14.163	(1.000)	394983	4.00000	
	50	Diethylphthalate	149	15.099	15.099	(1.066)	137415	1.00000	0.9728
	54	N-Nitrosodiphenylamine	169	15.555	15.555	(0.904)	91838	1.00000	1.035
	57	Hexachlorobenzene	284	16.395	16.395	(0.953)	57717	1.00000	0.9769
	58	Pentachlorophenol	266	16.829	16.829	(0.978)	24088	2.00000	0.7112
*	59	Phenanthrene-d10	188	17.200	17.200	(1.000)	857122	4.00000	
$	66	Terphenyl-d14	244	20.419	20.419	(0.915)	91853	1.00000	1.080
	67	Butylbenzylphthalate	149	21.356	21.356	(0.957)	93029	1.00000	1.132
*	69	Chrysene-d12	240	22.316	22.316	(1.000)	820445	4.00000	
*	77	Perylene-d12	264	24.646	24.646	(1.000)	824118	4.00000	
	79	Dibenzo(a,h)anthracene	278	26.692	26.692	(1.083)	201033	1.00000	1.012
	90	N-Nitrosodimethylamine	74	3.840	3.840	(0.468)	54173	2.00000	1.963

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: cc0903a.d
Lab Smp Id: CC0903A
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Misc Info:

Calibration Date: 03-SEP-2013
Calibration Time: 12:28
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	202060	25.88
27 Naphthalene-d8	576038	288019	1152076	727669	26.32
42 Acenaphthene-d10	314384	157192	628768	394983	25.64
59 Phenanthrene-d10	686356	343178	1372712	857122	24.88
69 Chrysene-d12	741751	370876	1483502	820445	10.61
77 Perylene-d12	800926	400463	1601852	824118	2.90

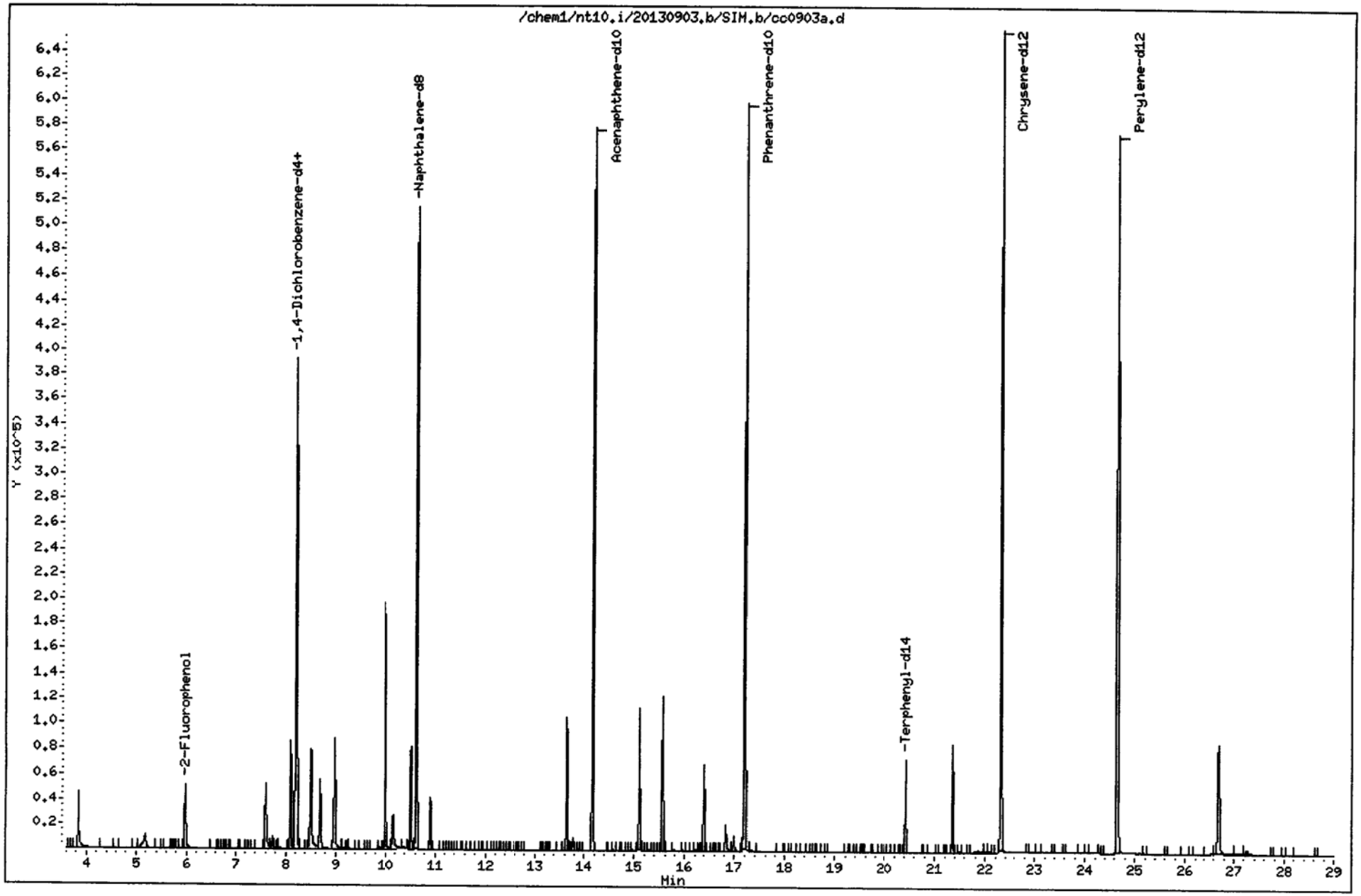
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.21	7.71	8.71	8.21	0.00
27 Naphthalene-d8	10.63	10.13	11.13	10.63	0.00
42 Acenaphthene-d10	14.16	13.66	14.66	14.16	0.00
59 Phenanthrene-d10	17.20	16.70	17.70	17.20	0.00
69 Chrysene-d12	22.32	21.82	22.82	22.32	0.00
77 Perylene-d12	24.65	24.15	25.15	24.65	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/20130903.b/SIM.b/cc0903a.d
Date : 03-SEP-2013 12:28
Client ID:
Sample Info: CC0903A

Instrument: nt10.i
Operator: YZ
Column diameter: 0.25

Column phase: ZB-5msi



CO-ELUTION SUMMARY FOR FILE - cc0903a.d

Lab ID: CC0903A, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 03-SEP-20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

METHOD 8270D-SIM

YZ 9/9/13

Data file : /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d
Lab Smp Id: XB89E Client Smp ID: IJ13-VC-102-2-4
Inj Date : 03-SEP-2013 13:03
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89E,3
Misc Info : 13-17440
Comment :
Method : /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 09:57 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 4
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	18.15000	Weight of sample extracted (g)
M	42.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.018	5.979	(0.733)	126525	2.55788	739.1
3	Phenol	94	7.625	7.602	(0.928)	134976	2.39267	691.4
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.213	8.205	(1.000)	161534	4.00000	
9	1,4-Dichlorobenzene	146	8.244	8.236	(1.004)	3447	0.06305	18.22(M)
11	Benzyl alcohol	79	8.492	8.477	(1.034)	12733	0.43822	126.6
12	1,2-Dichlorobenzene	146	8.516	8.508	(1.037)	1786	0.03426 J	9.899
13	2-Methylphenol	108	8.710	8.694	(1.060)	96202	2.09321	604.9
15	4-Methylphenol	108	9.005	8.981	(1.096)	309203	6.56261	1896
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.010	9.995	(0.942)	219119	4.30175	1243
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.627	10.627	(1.000)	598521	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	39 Dimethylphthalate	163	13.637	13.645	(0.962)	123099	1.54779	447.3
*	42 Acenaphthene-d10	162	14.171	14.163	(1.000)	269605	4.00000	
	50 Diethylphthalate	149	15.114	15.099	(1.067)	16659	0.17277	49.92
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	16.852	16.829	(0.979)	2727	0.14252	41.18(M)
*	59 Phenanthrene-d10	188	17.216	17.200	(1.000)	486910	4.00000	
$	66 Terphenyl-d14	244	20.442	20.419	(0.915)	111083	1.77032	511.6
	67 Butylbenzylphthalate	149	21.348	21.356	(0.956)	12508	0.20640	59.64(M)
*	69 Chrysene-d12	240	22.339	22.316	(1.000)	605141	4.00000	
*	77 Perylene-d12	264	24.701	24.646	(1.000)	664588	4.00000	
	79 Dibenzo(a,h)anthracene	278	26.778	26.692	(1.084)	20154	0.12579	36.35(H)
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89e3.d
Lab Smp Id: XB89E
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Misc Info: 13-17440

Calibration Date: 03-SEP-2013
Calibration Time: 12:28
Client Smp ID: IJ13-VC-102-2-4
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	161534	0.63
27 Naphthalene-d8	576038	288019	1152076	598521	3.90
42 Acenaphthene-d10	314384	157192	628768	269605	-14.24
59 Phenanthrene-d10	686356	343178	1372712	486910	-29.06
69 Chrysene-d12	741751	370876	1483502	605141	-18.42
77 Perylene-d12	800926	400463	1601852	664588	-17.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.21	7.71	8.71	8.21	0.10
27 Naphthalene-d8	10.63	10.13	11.13	10.63	0.00
42 Acenaphthene-d10	14.16	13.66	14.66	14.17	0.06
59 Phenanthrene-d10	17.20	16.70	17.70	17.22	0.09
69 Chrysene-d12	22.32	21.82	22.82	22.34	0.10
77 Perylene-d12	24.65	24.15	25.15	24.70	0.22

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

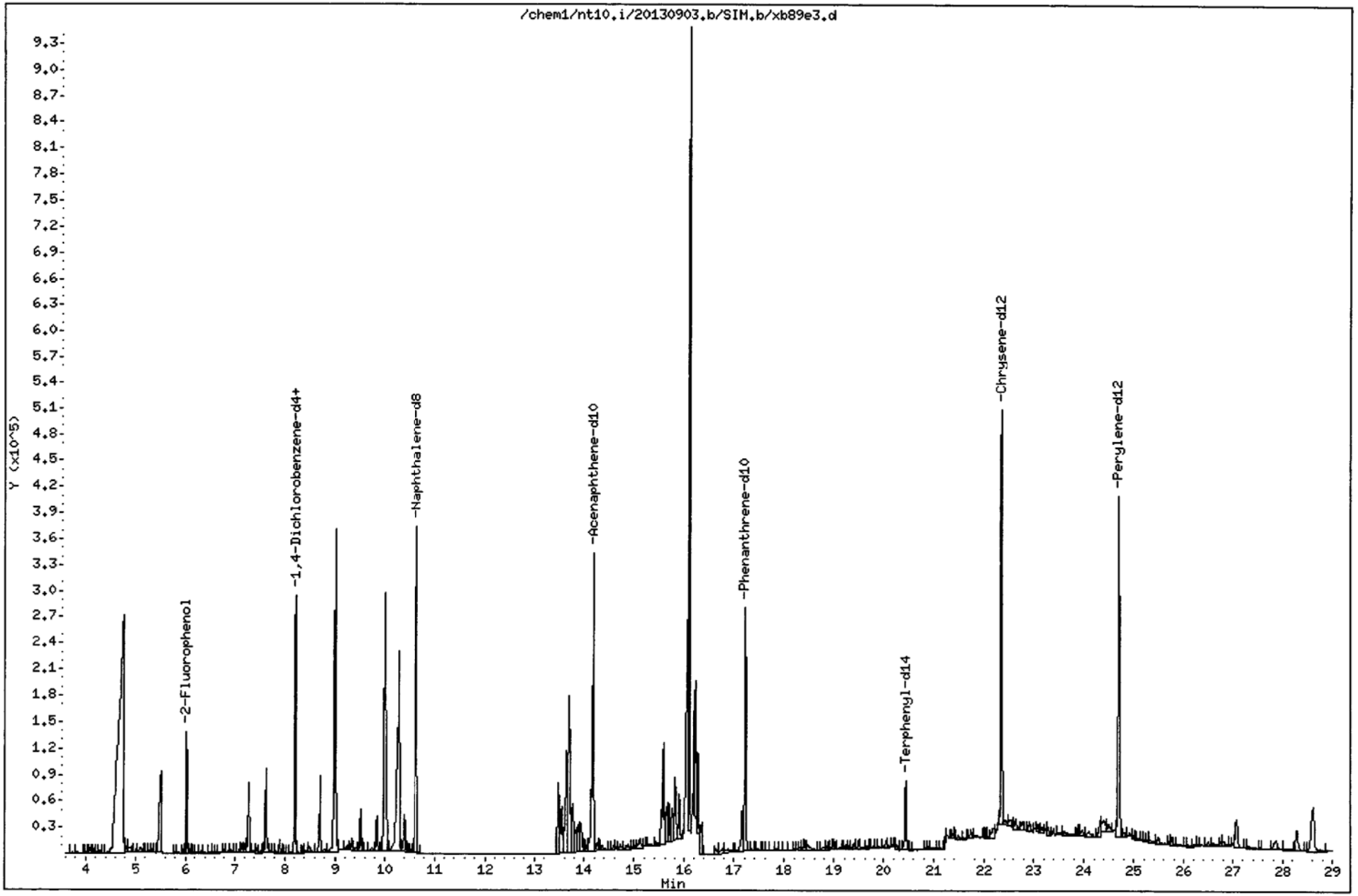
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89E Client Smp ID: IJ13-VC-102-2-4
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Misc Info: 13-17440

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	722.4	739.1	102.32	27-120
$ 66 Terphenyl-d14	481.6	511.6	106.22	37-120

Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d
Date : 03-SEP-2013 13:03
Client ID: IJ13-VC-102-2-4
Sample Info: XB89E,3
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89E : 05537

Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

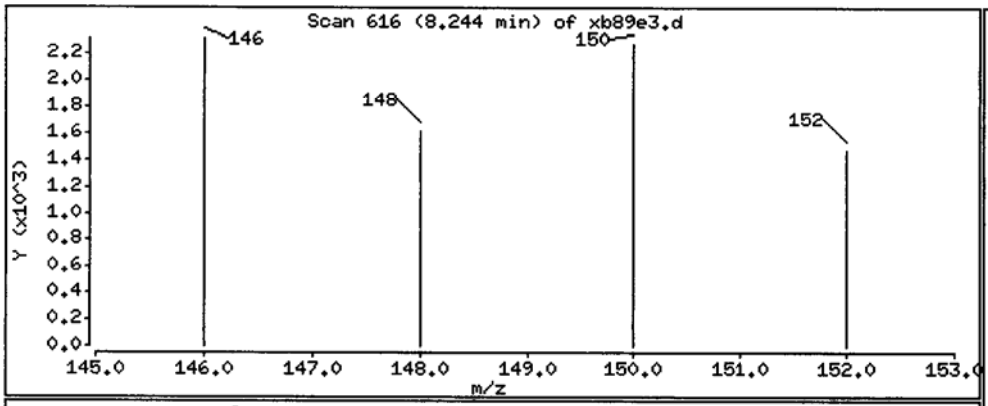
Operator: VTS/YZ

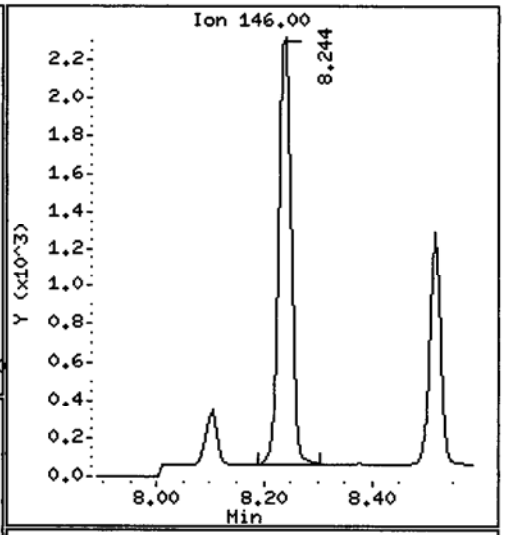
Column phase: ZB-5msi

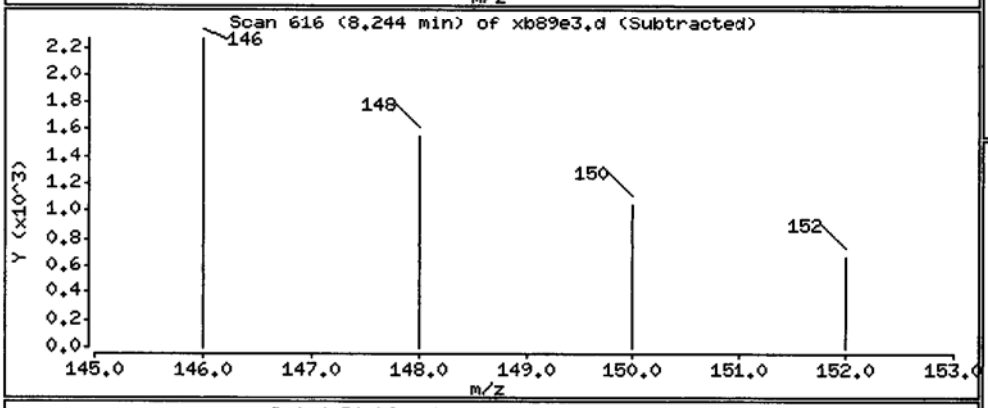
Column diameter: 0.25

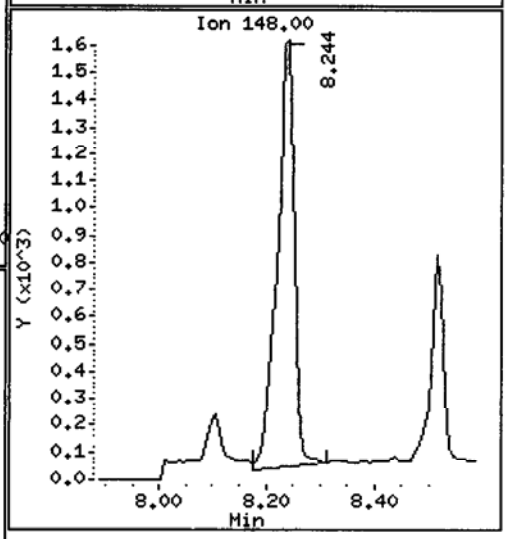
9 1,4-Dichlorobenzene

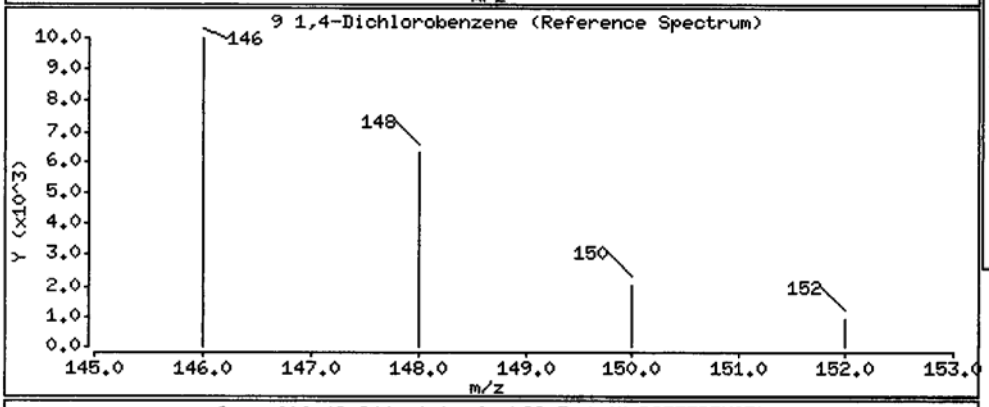
Concentration: 18.22 ug/kg

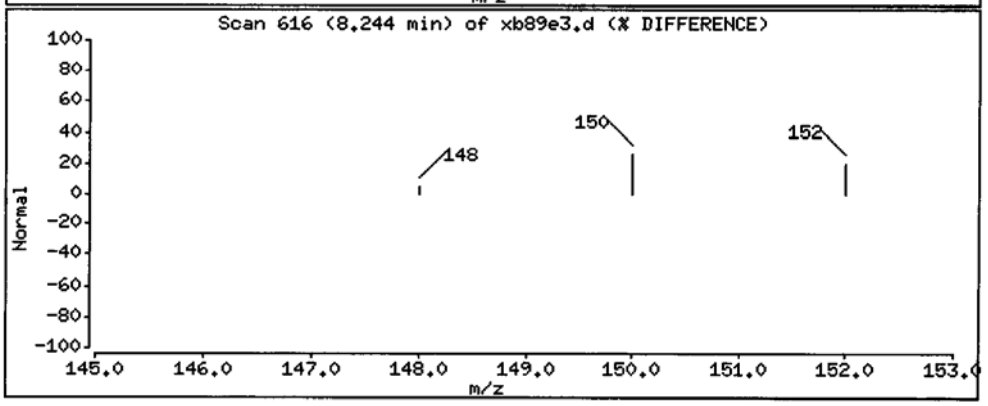












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

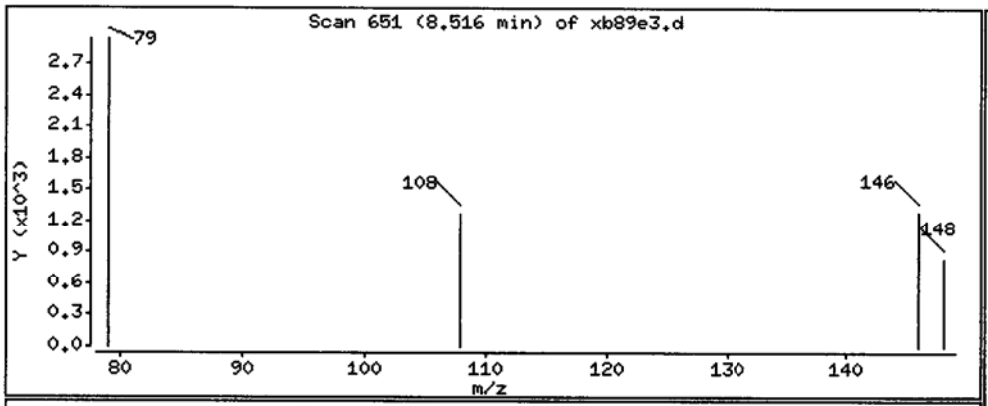
Operator: VTS/YZ

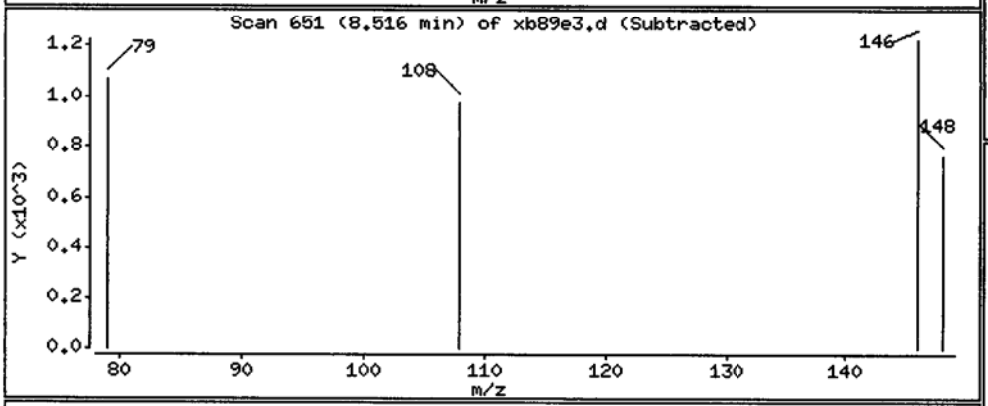
Column phase: ZB-5msi

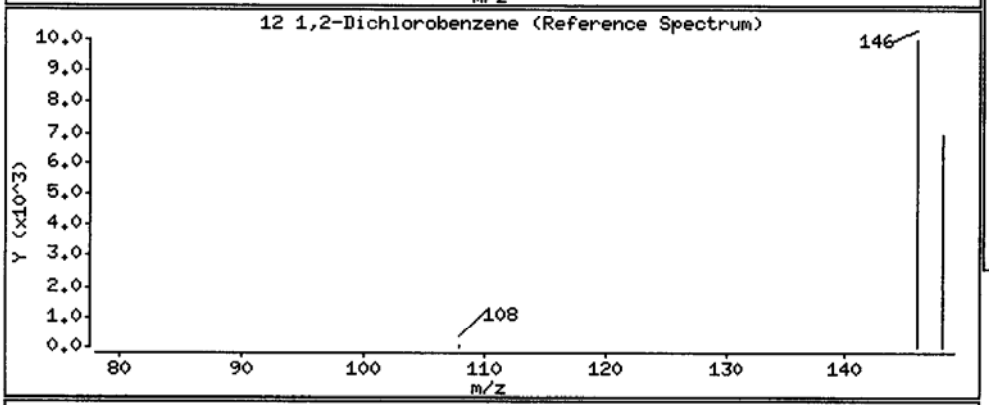
Column diameter: 0.25

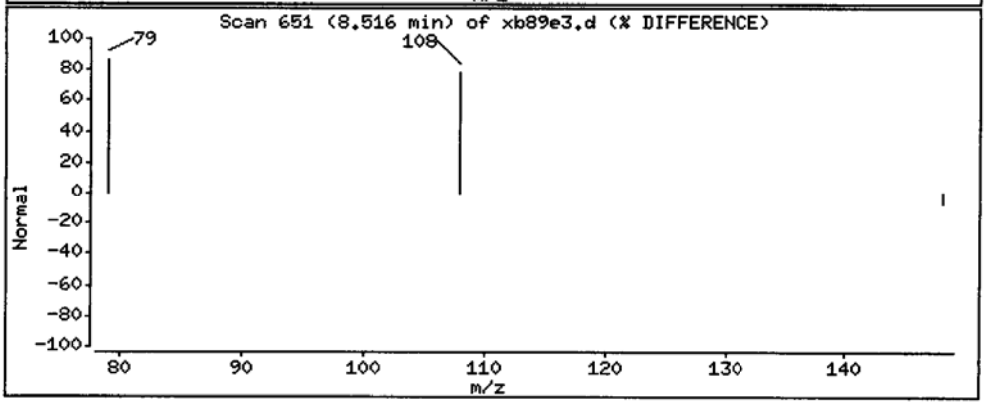
12 1,2-Dichlorobenzene

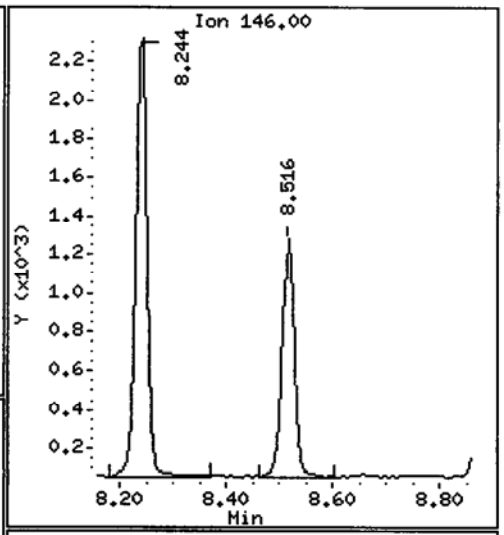
Concentration: 9.899 ug/kg

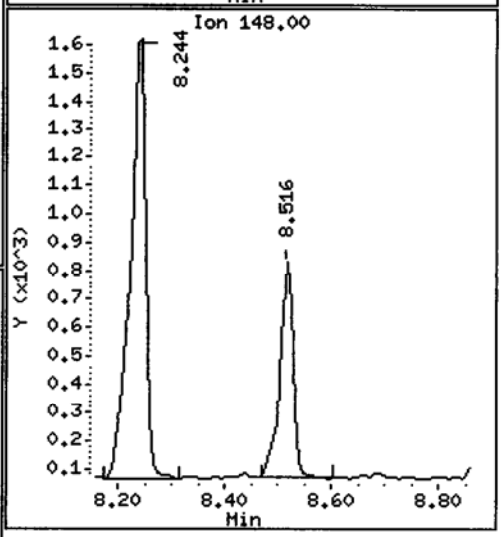












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

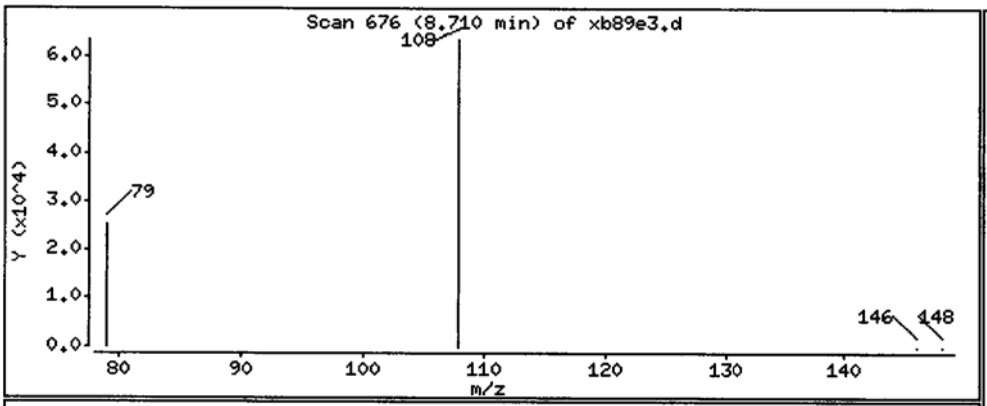
Operator: VTS/YZ

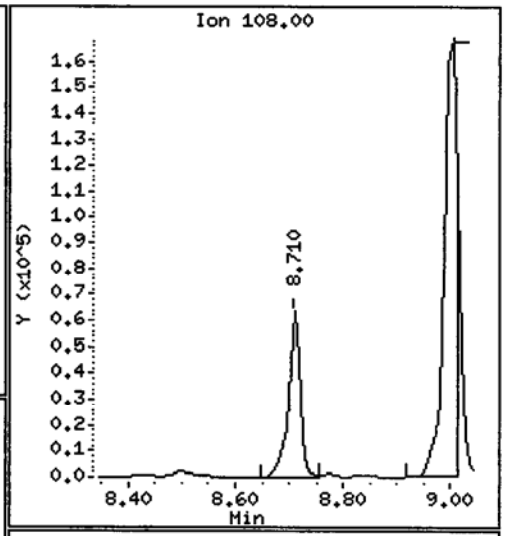
Column phase: ZB-5msi

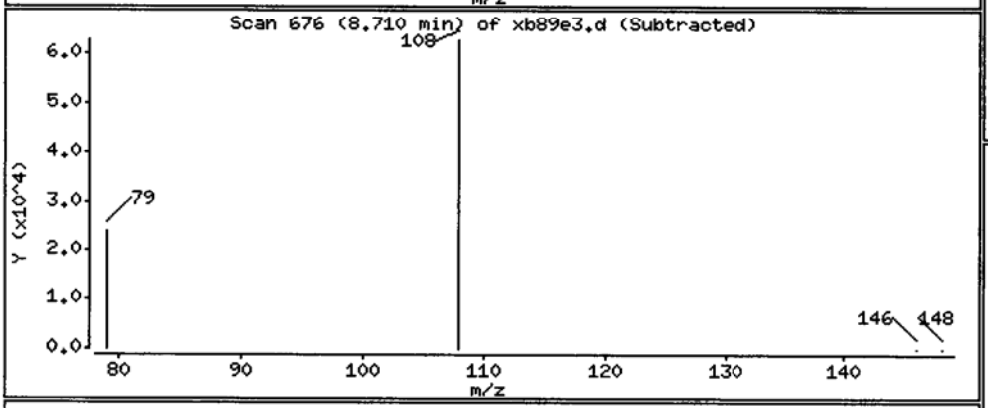
Column diameter: 0.25

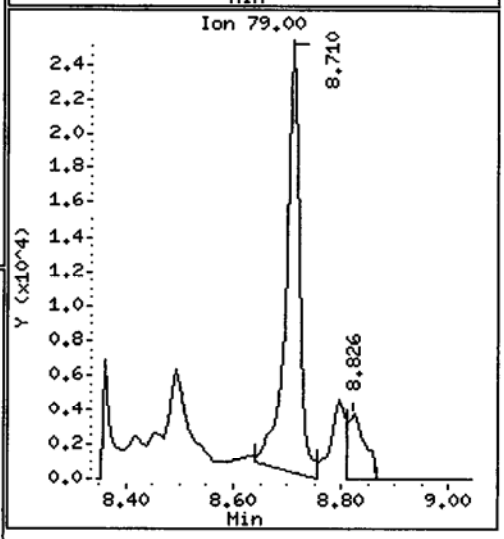
13 2-Methylphenol

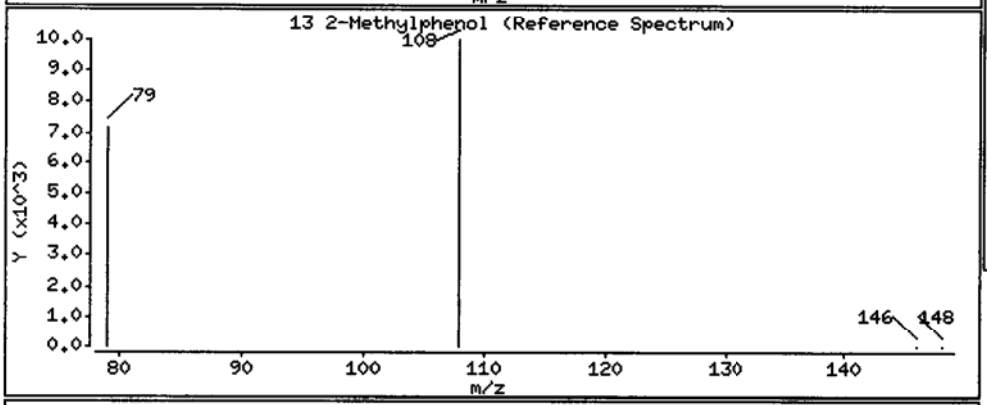
Concentration: 604.9 ug/kg

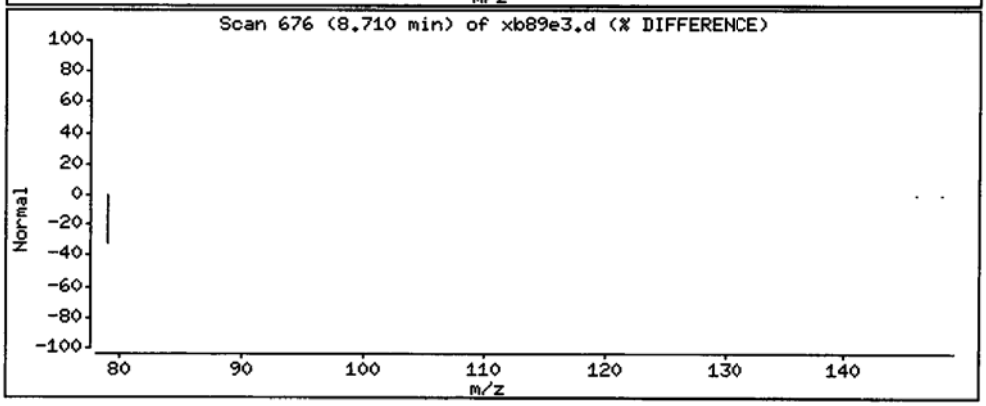












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

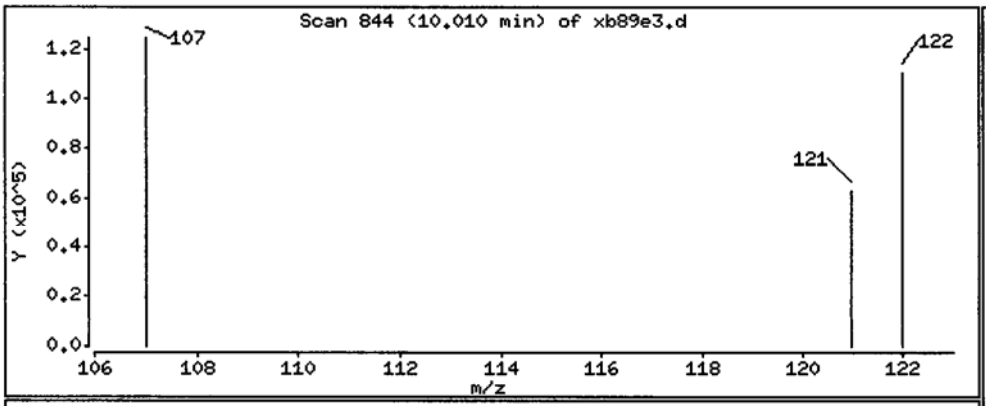
Operator: VTS/YZ

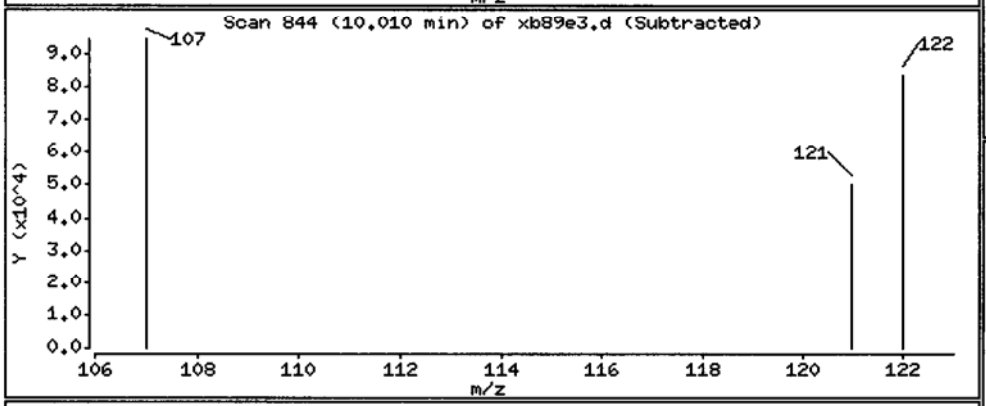
Column phase: ZB-5msi

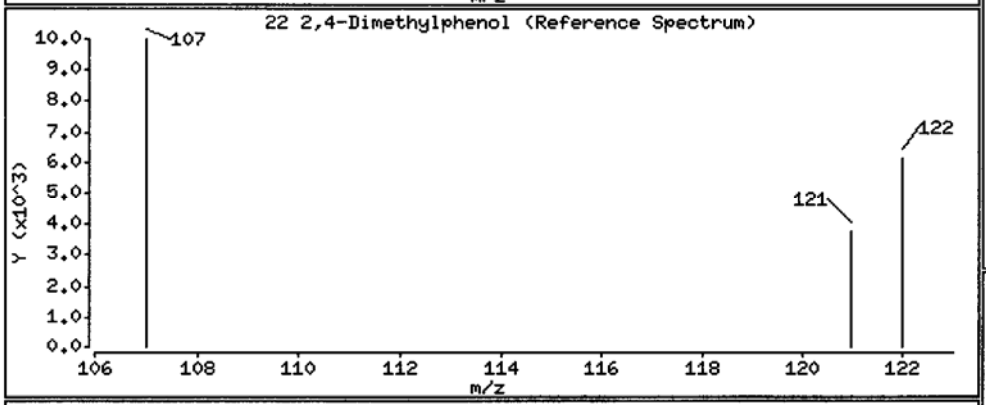
Column diameter: 0.25

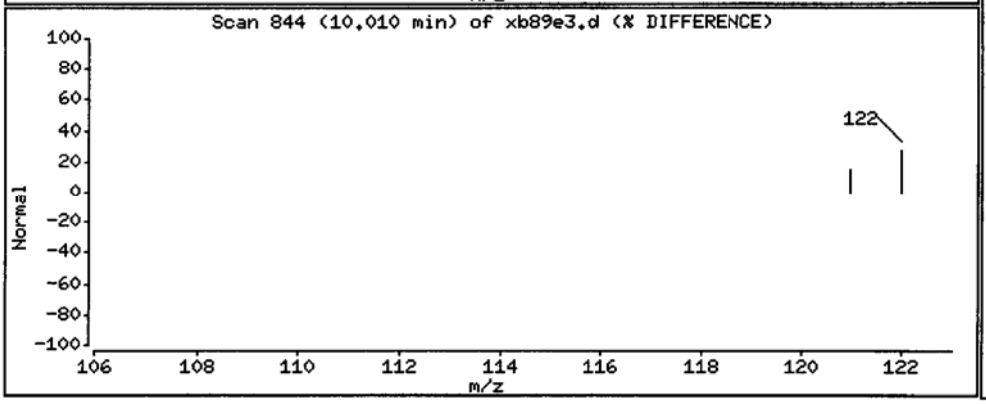
22 2,4-Dimethylphenol

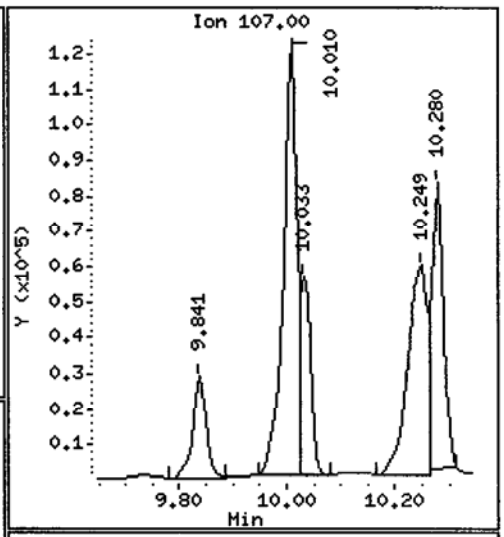
Concentration: 1243 ug/kg

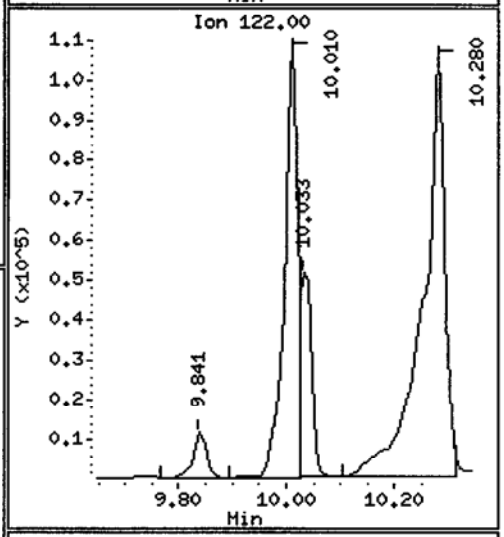


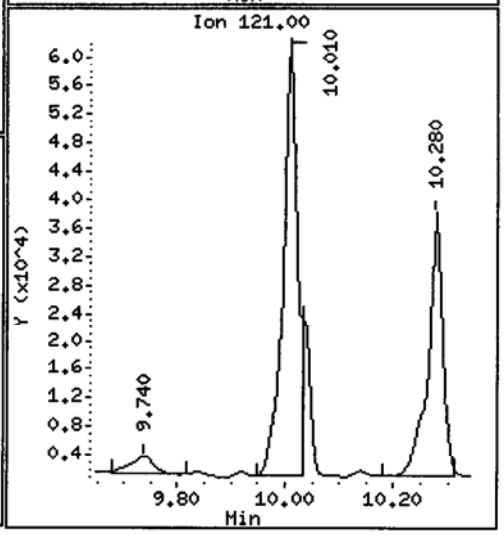












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

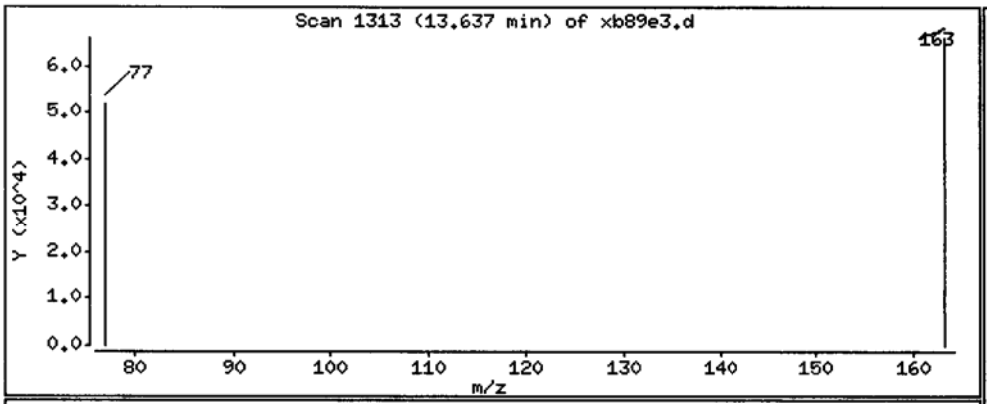
Operator: VTS/YZ

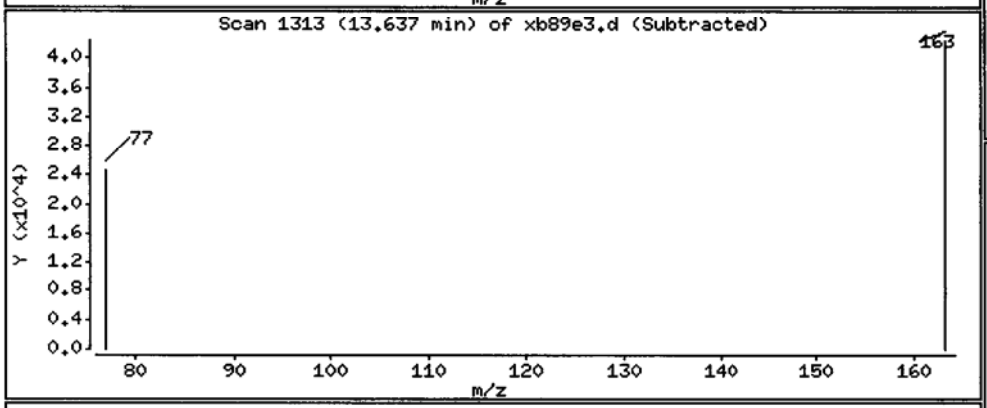
Column phase: ZB-5msi

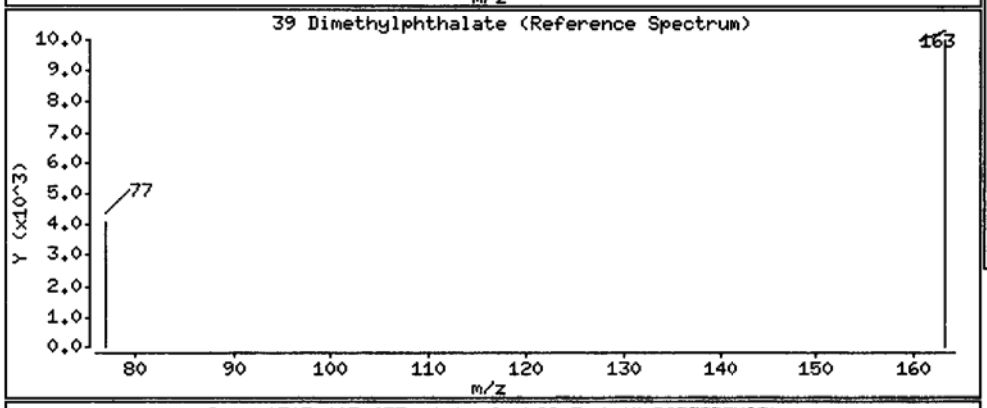
Column diameter: 0.25

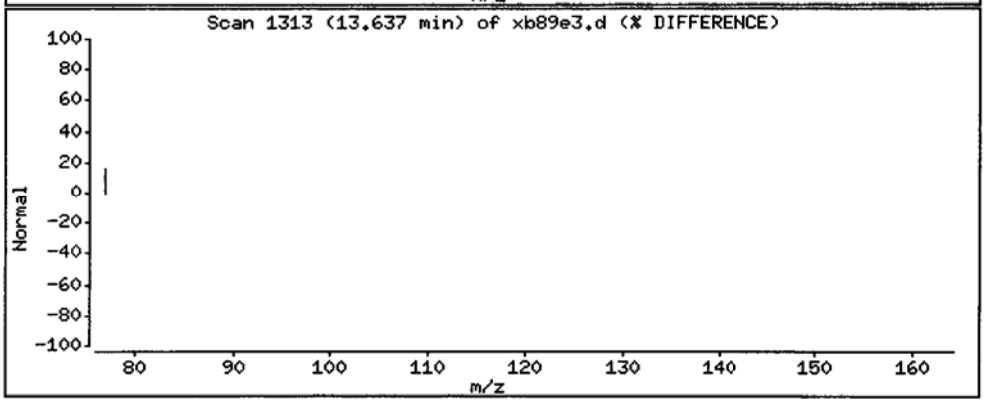
39 Dimethylphthalate

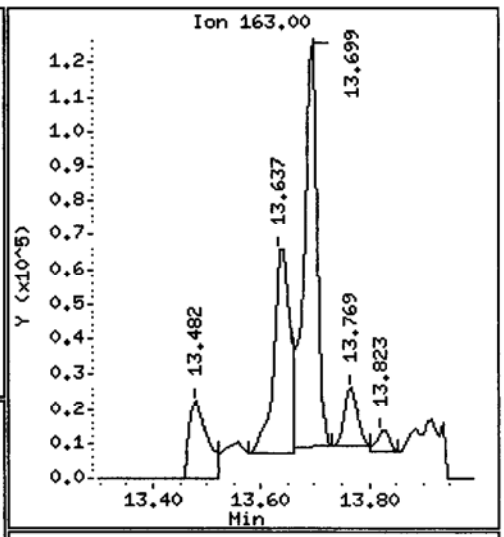
Concentration: 447.3 ug/kg

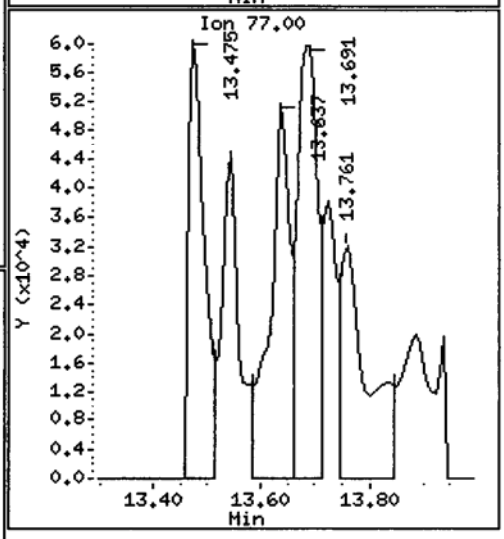












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

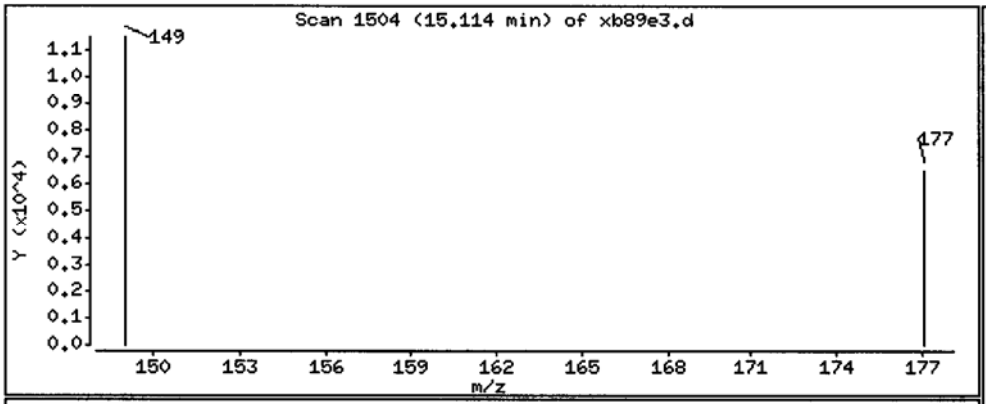
Operator: VTS/YZ

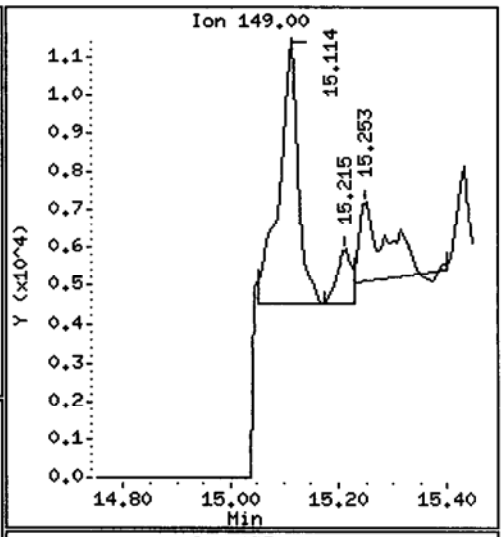
Column phase: ZB-5msi

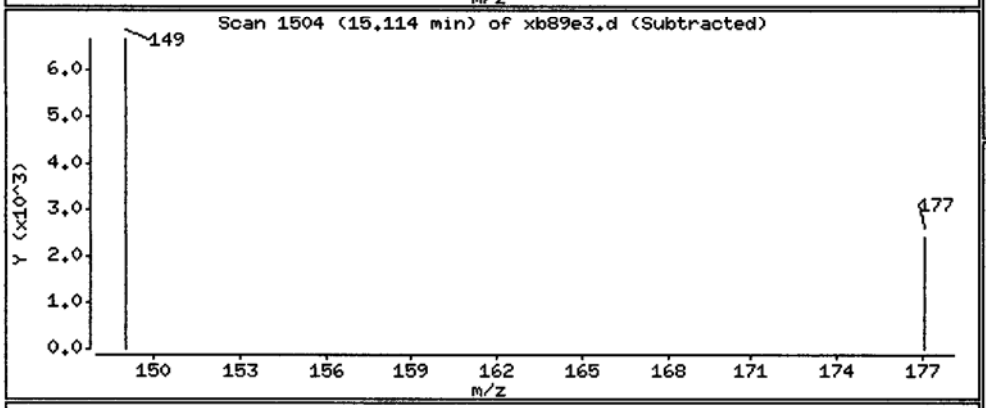
Column diameter: 0.25

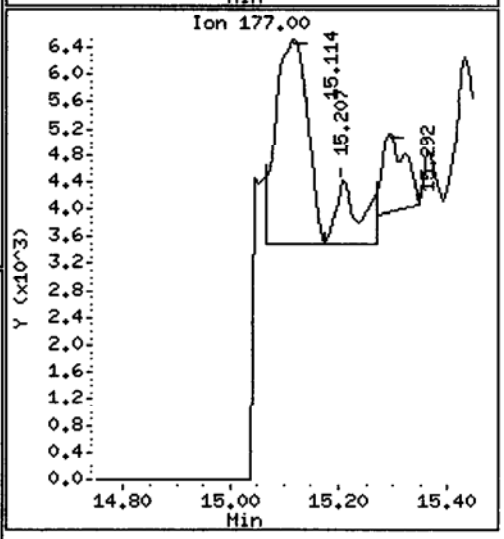
50 Diethylphthalate

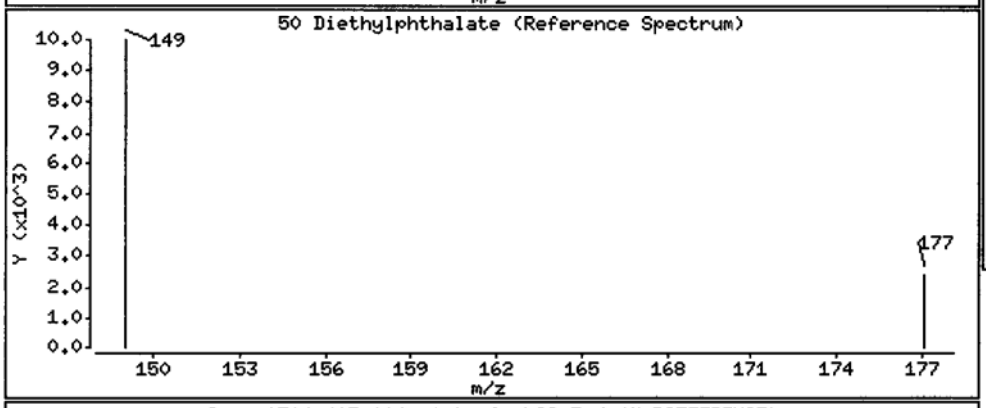
Concentration: 49.92 ug/kg

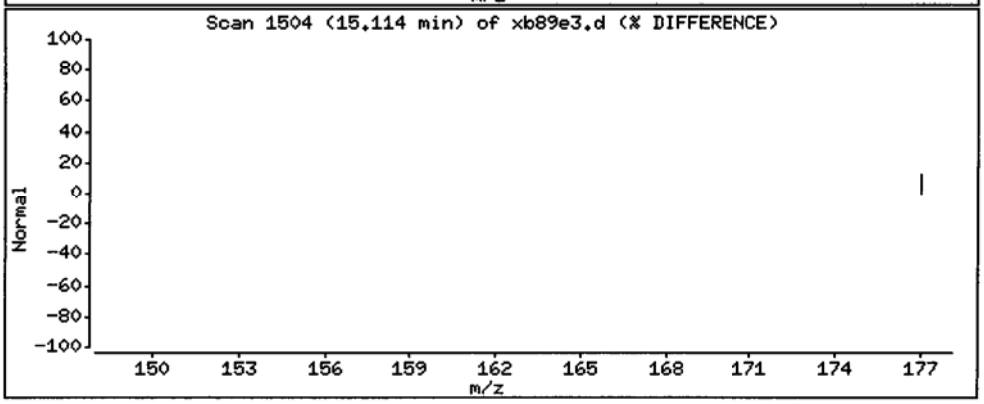












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

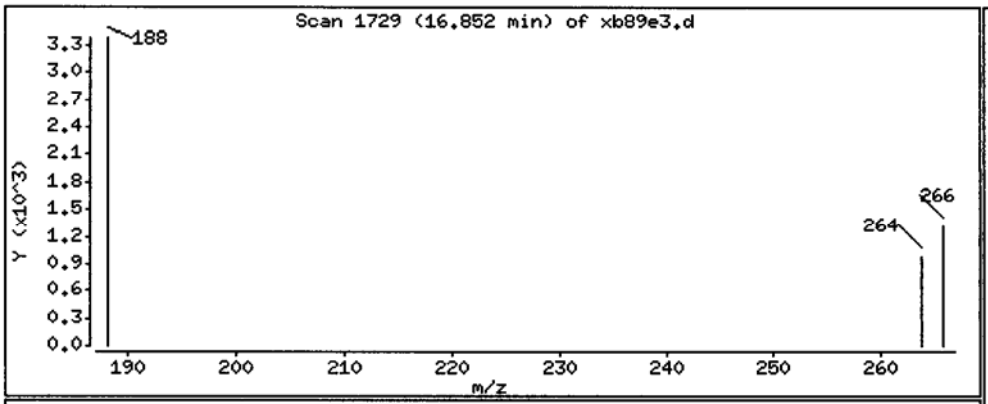
Operator: VTS/YZ

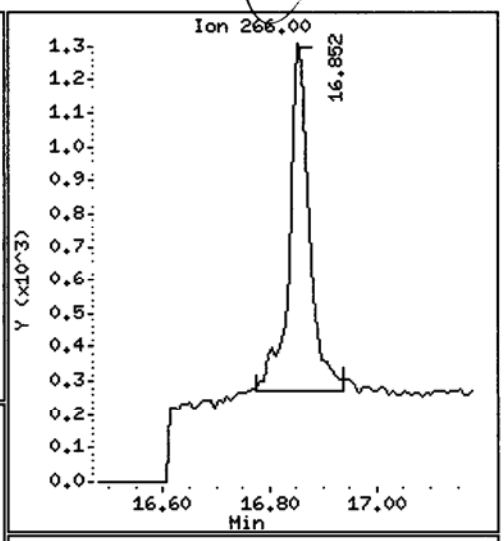
Column phase: ZB-5msi

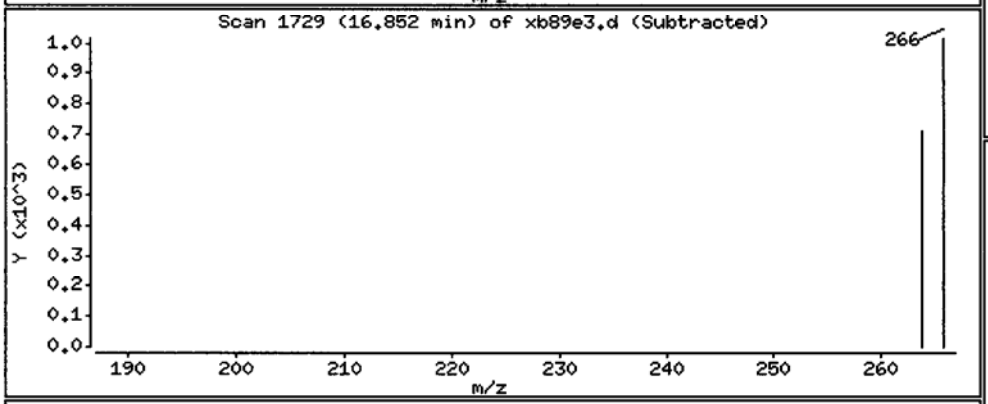
Column diameter: 0.25

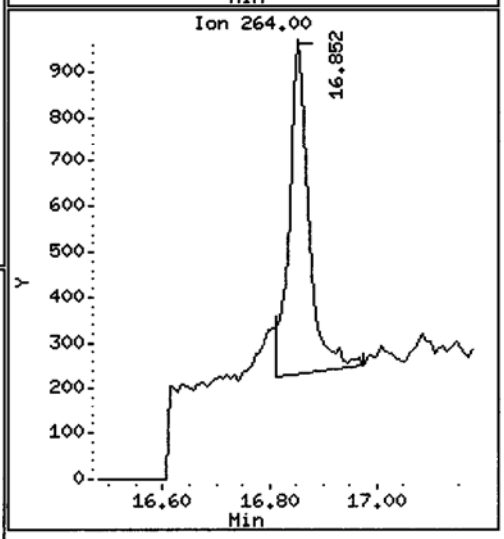
58 Pentachlorophenol

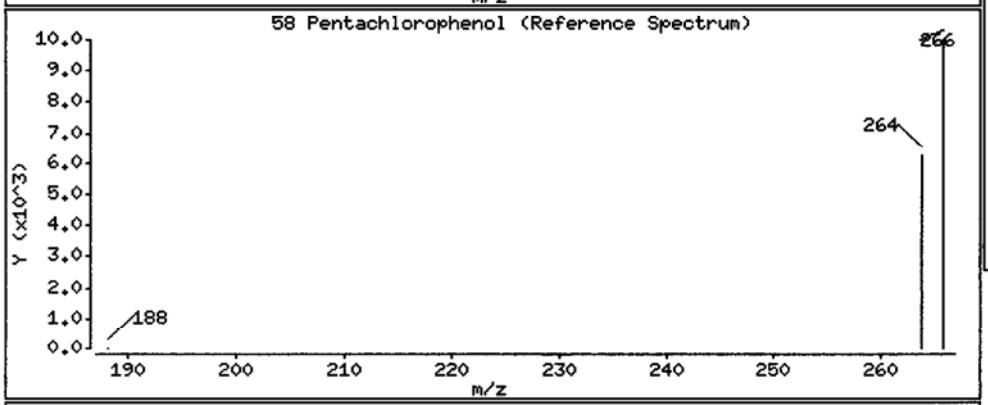
Concentration: 41.18 ug/kg

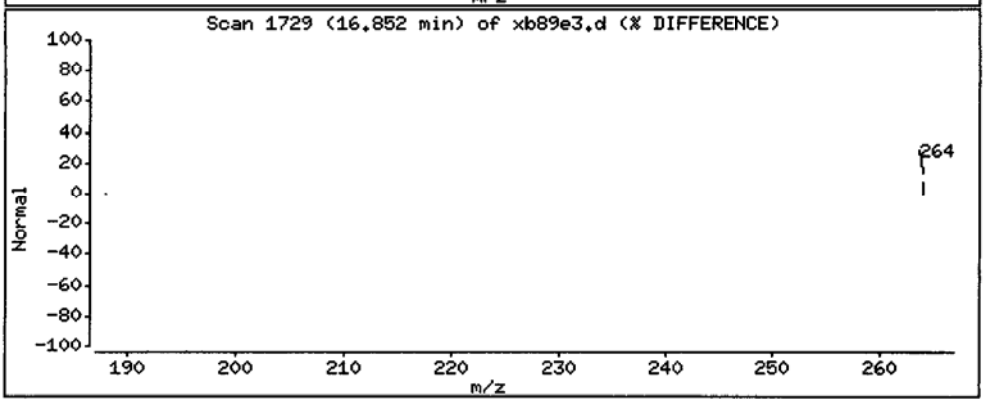












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

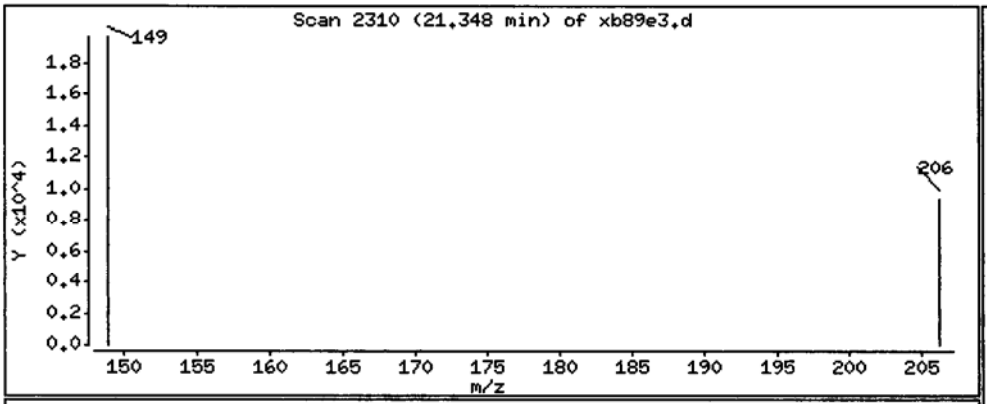
Operator: VTS/YZ

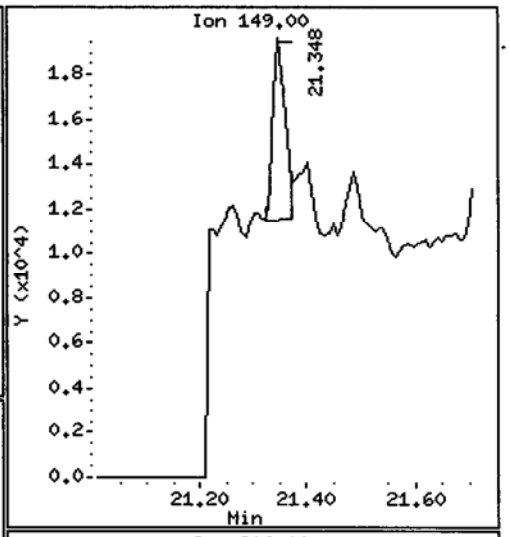
Column phase: ZB-5msi

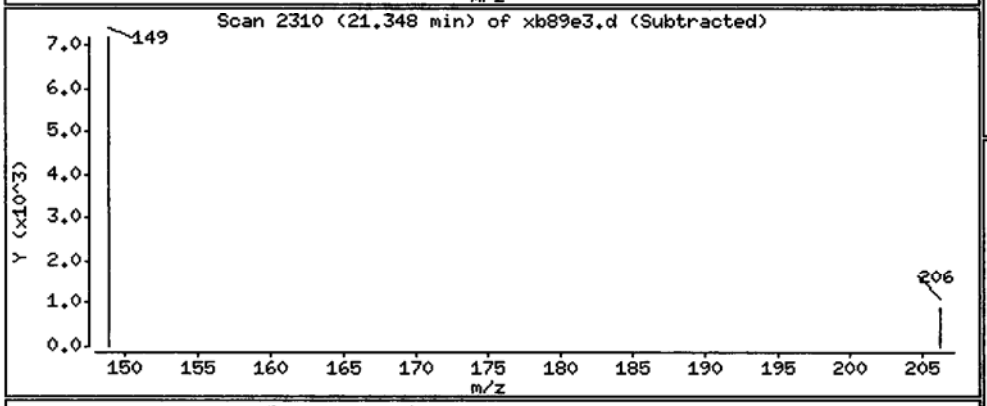
Column diameter: 0.25

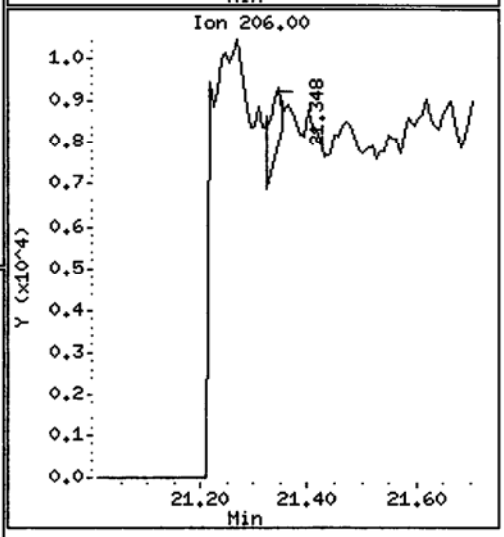
67 Butylbenzylphthalate

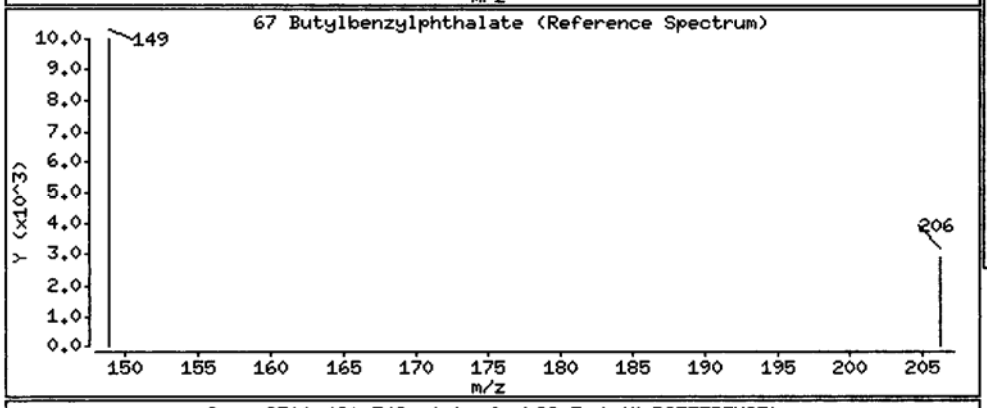
Concentration: 59.64 ug/kg

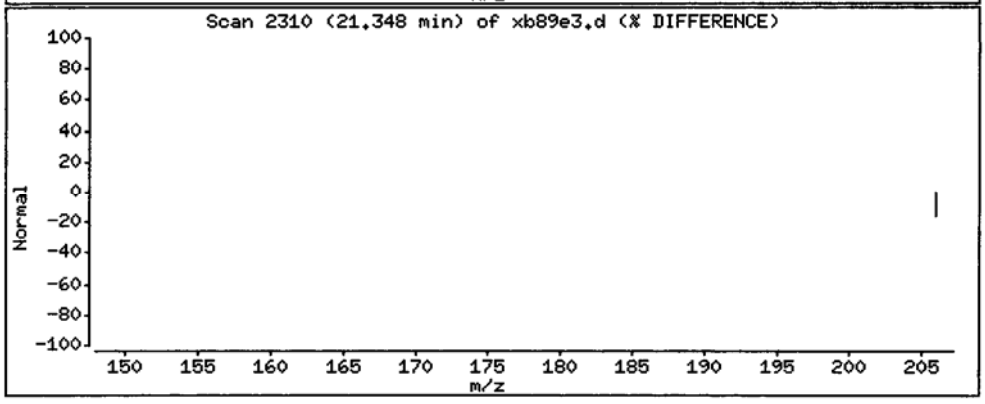












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Date : 03-SEP-2013 13:03

Client ID: IJ13-VC-102-2-4

Instrument: nt10.i

Sample Info: XB89E,3

Volume Injected (uL): 1.0

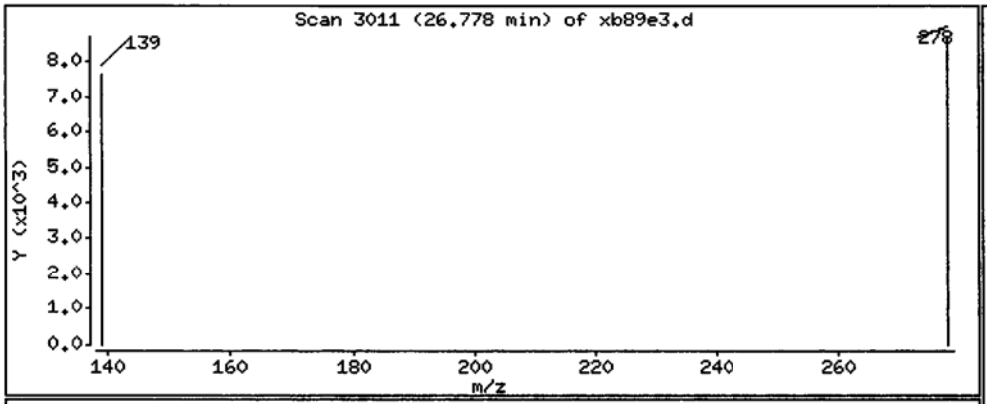
Operator: VTS/YZ

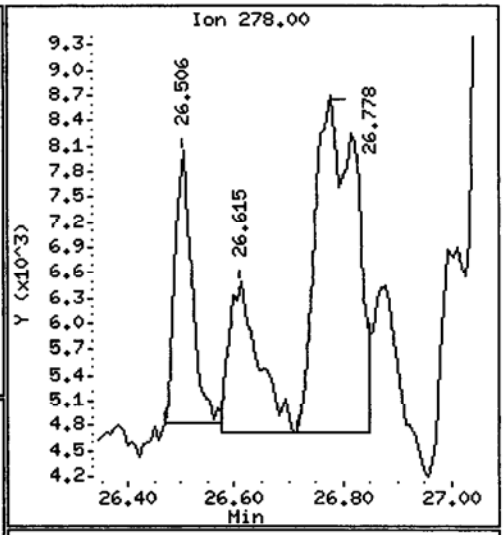
Column phase: ZB-5msi

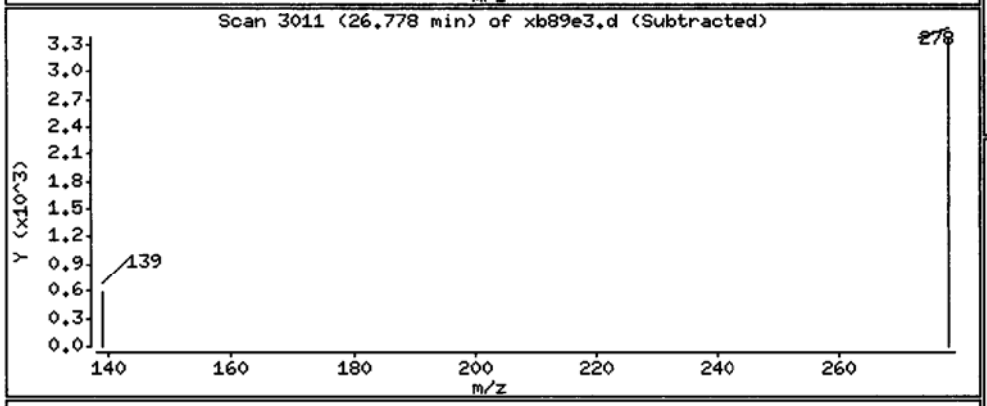
Column diameter: 0.25

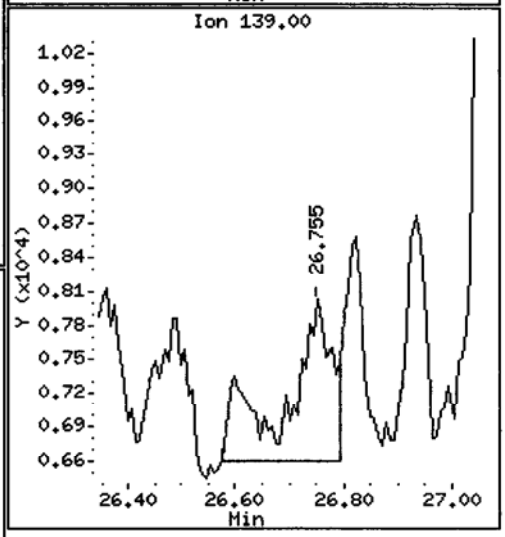
79 Dibenzo(a,h)anthracene

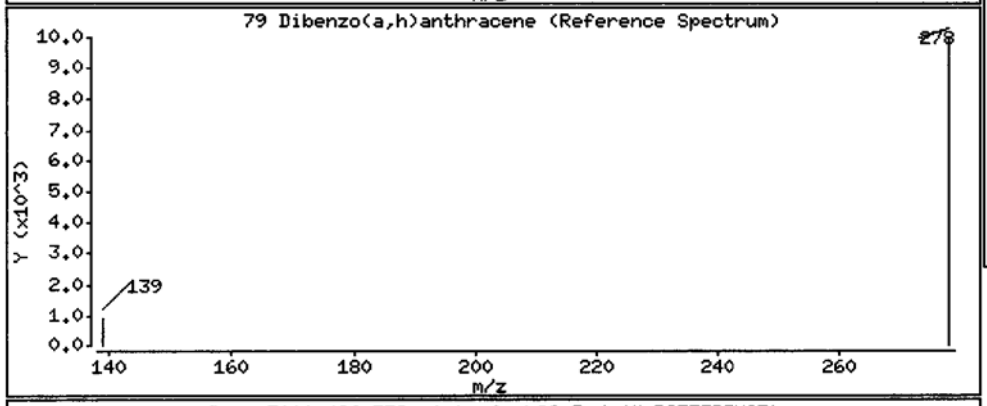
Concentration: 36.35 ug/kg

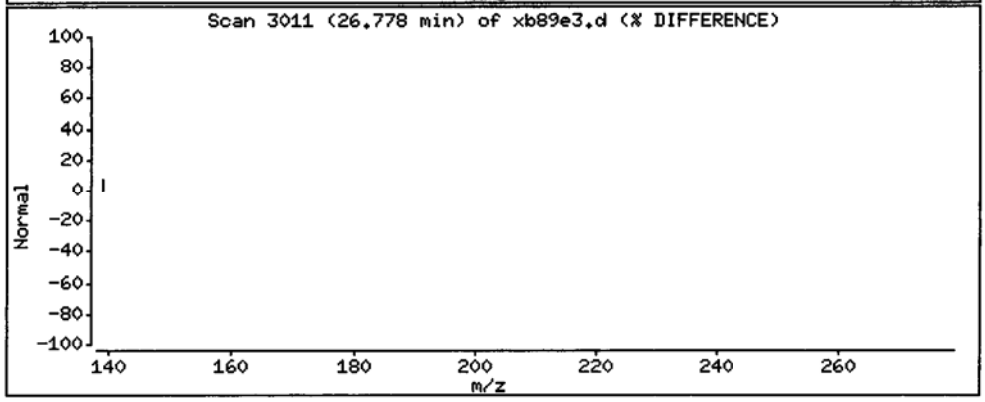






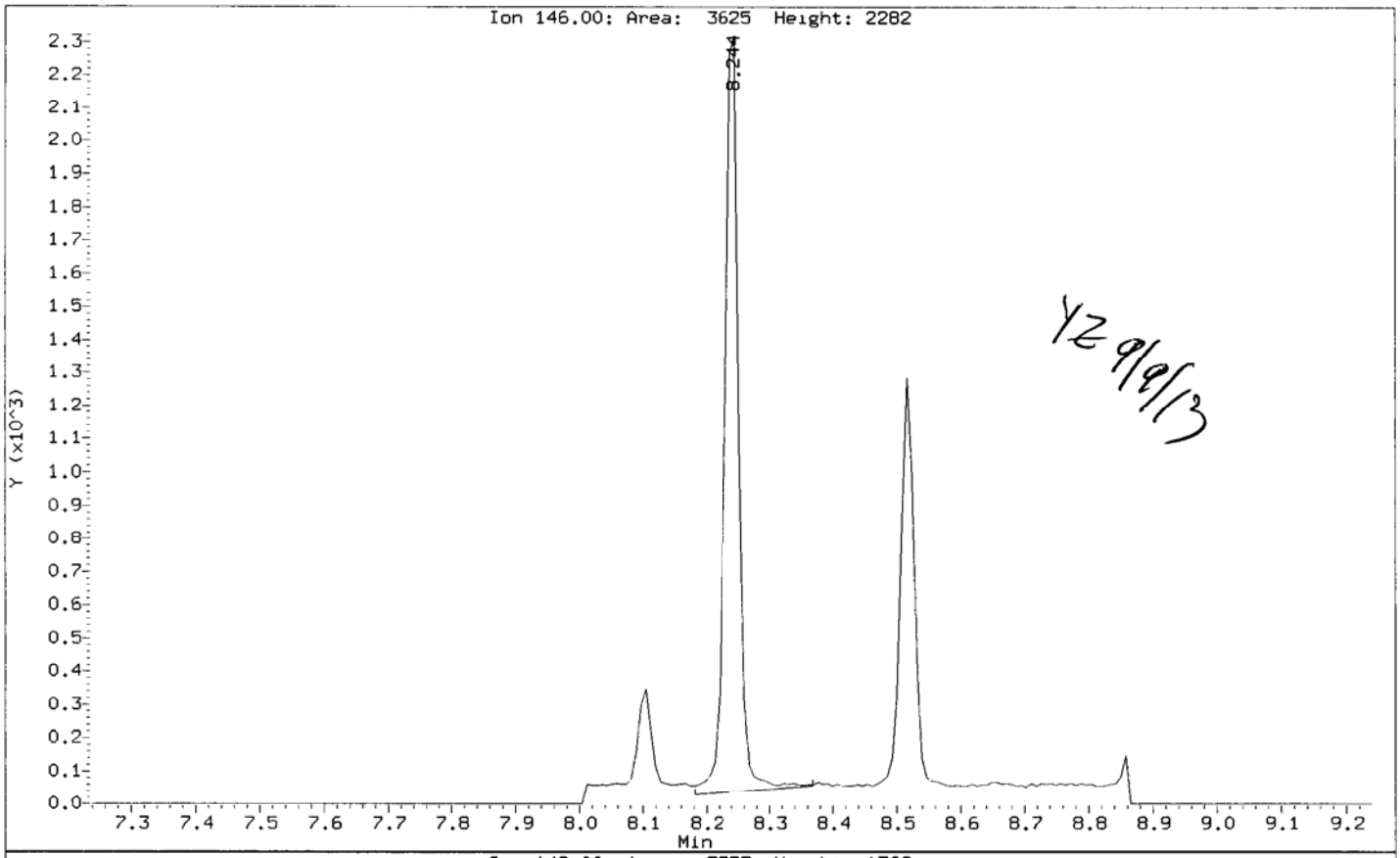




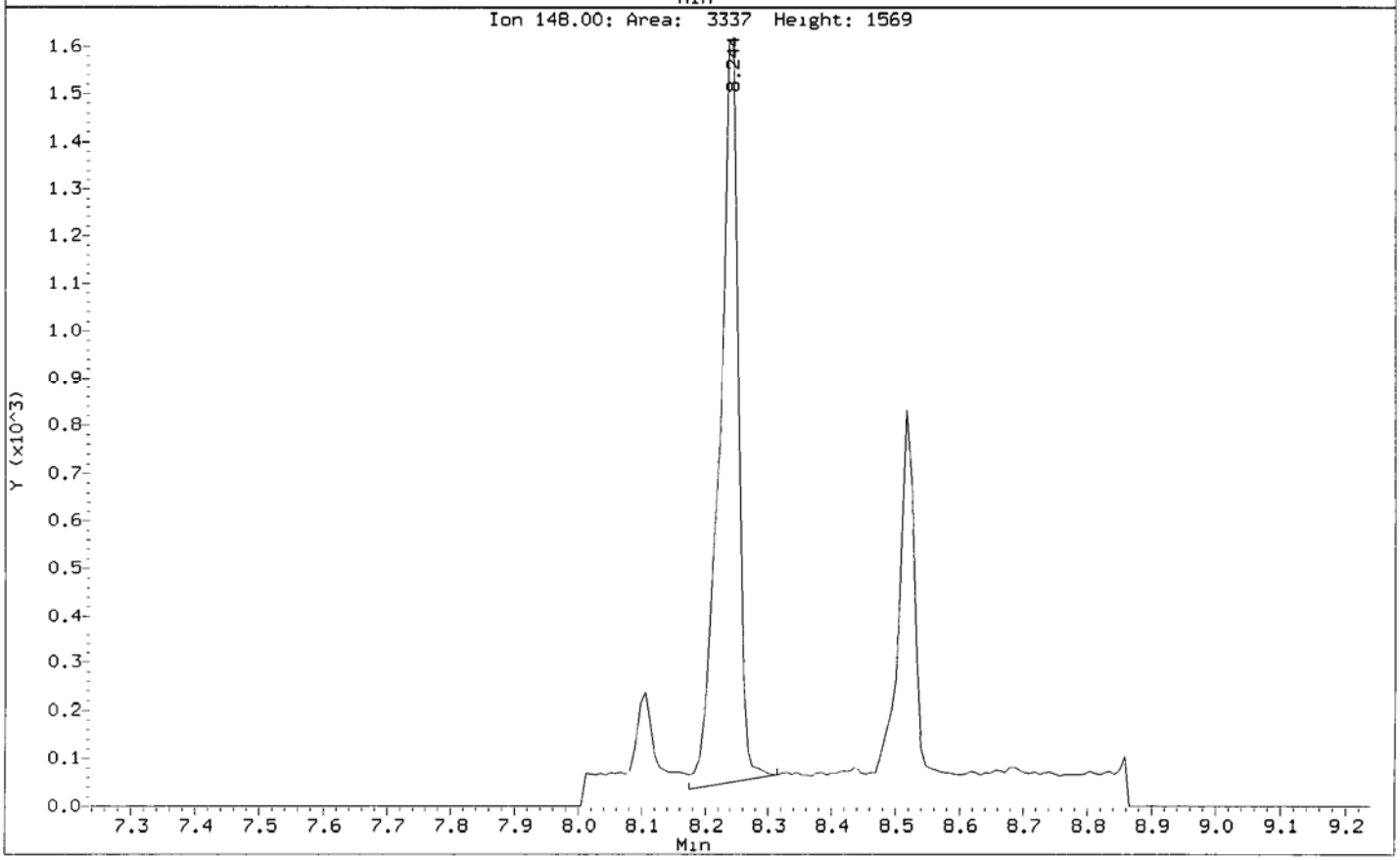


Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d
Injection Date: 03-SEP-2013 13:03
Instrument: nt10.i
Client Sample ID:

Compound: 1,4-Dichlorobenzene
CAS Number: 106-46-7



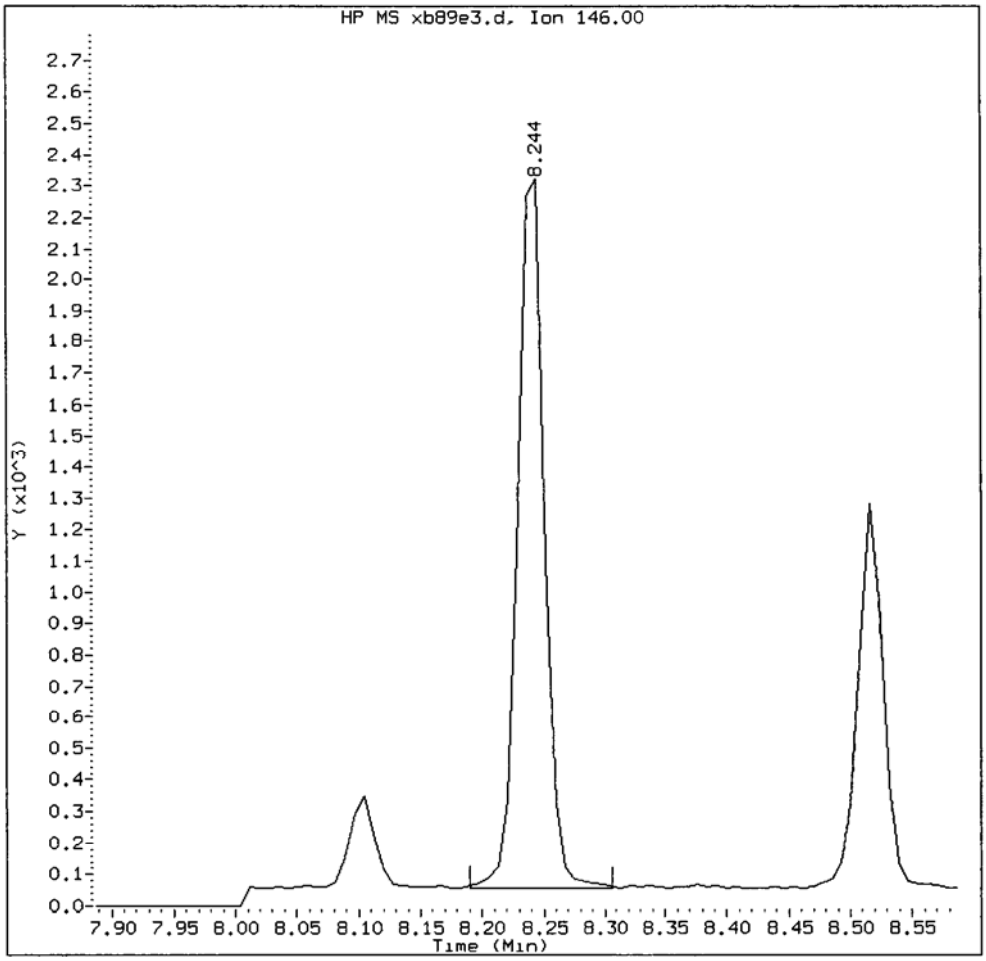
YZ 9/9/13



XB89 : 66947

XB89E, /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

1,4-Dichlorobenzene Amount: 0.06 Area: 3447



MANUAL INTEGRATION for 1,4-Dichlorobenzene

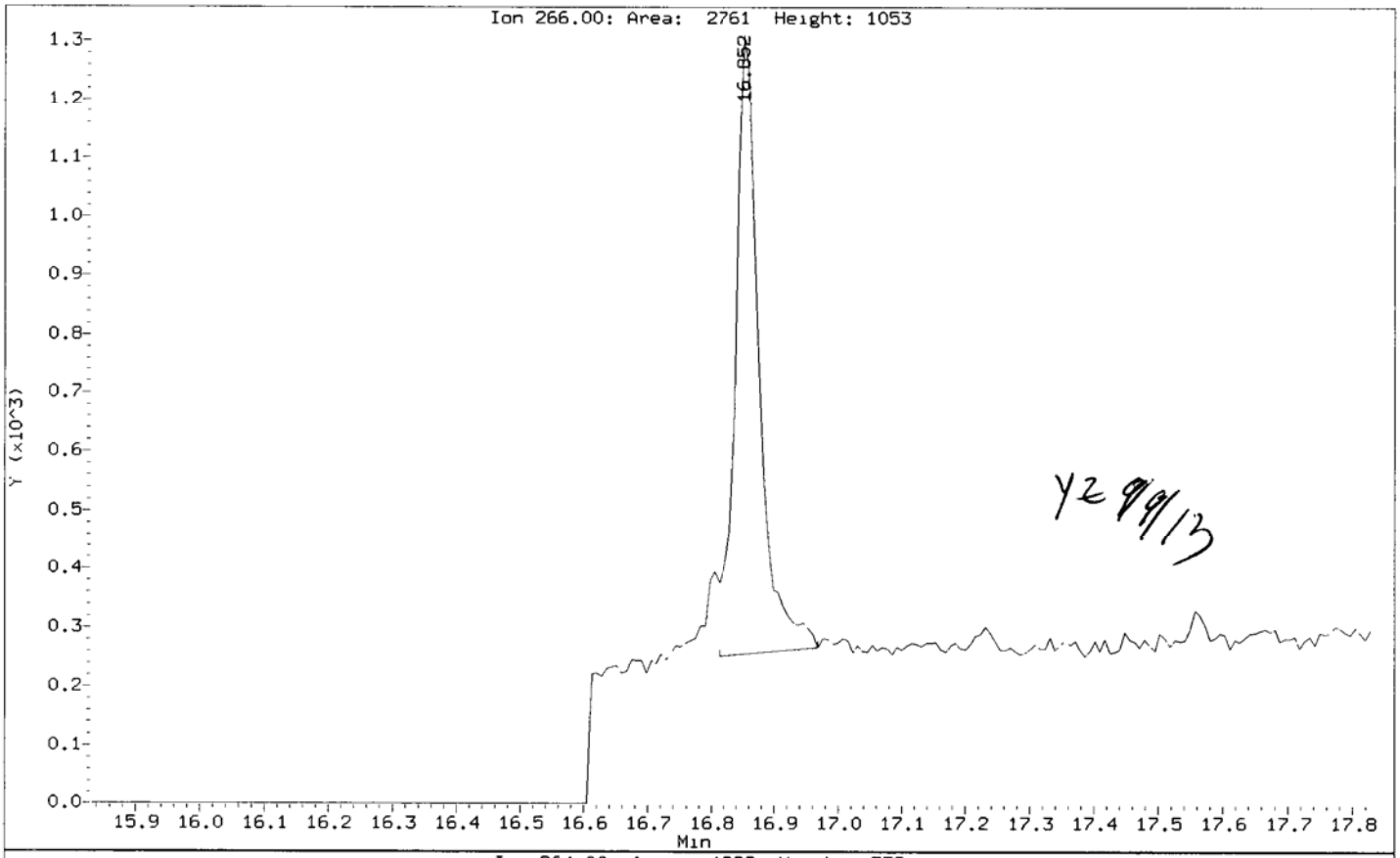
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

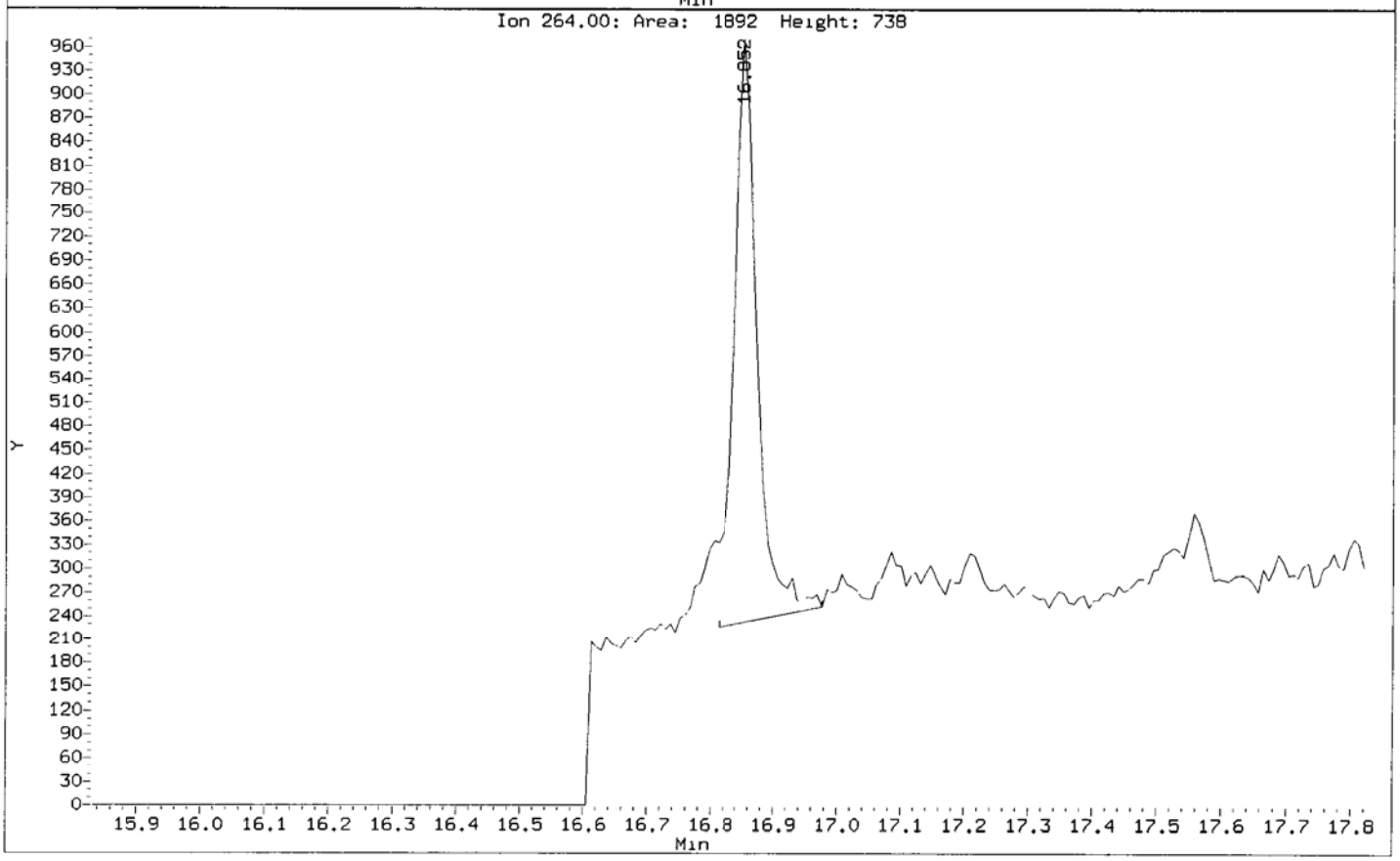
Analyst: 1/2 Date: 9/9/13

Data File: /chem1/nt10.1/20130903.b/SIM.b/xb89e3.d
Injection Date: 03-SEP-2013 13:03
Instrument: nt10.1
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5

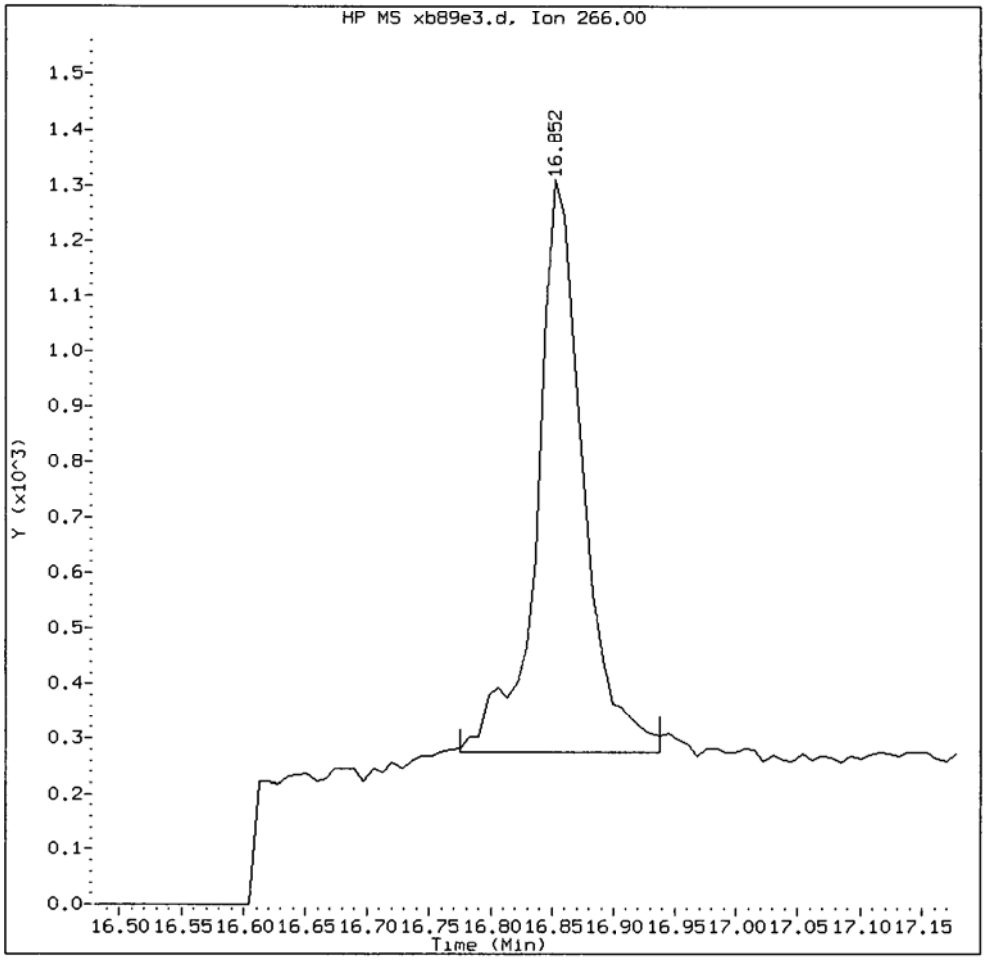


YZ 9/9/13



XB89E, /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Pentachlorophenol Amount: 0.14 Area: 2727



MANUAL INTEGRATION for Pentachlorophenol

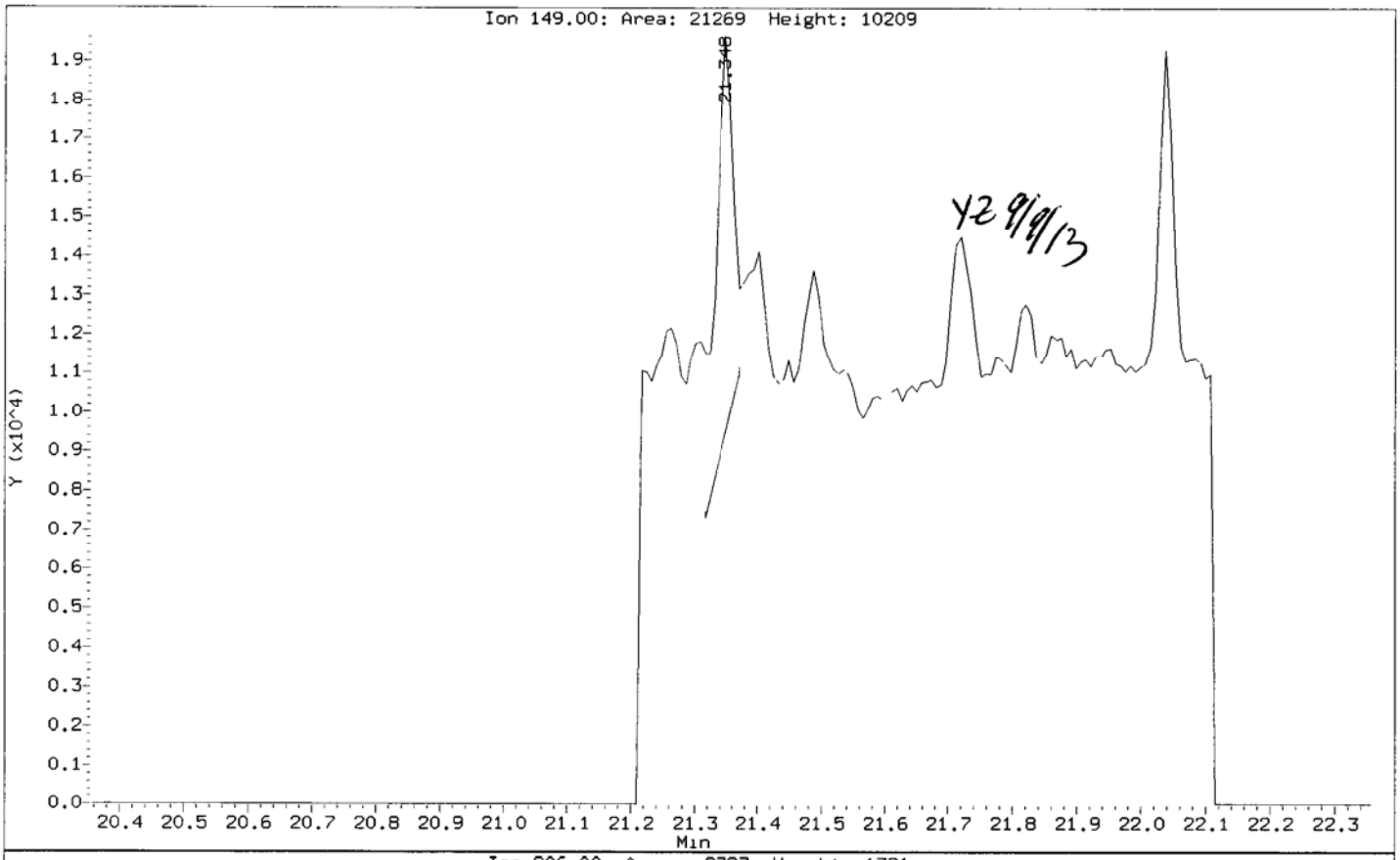
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

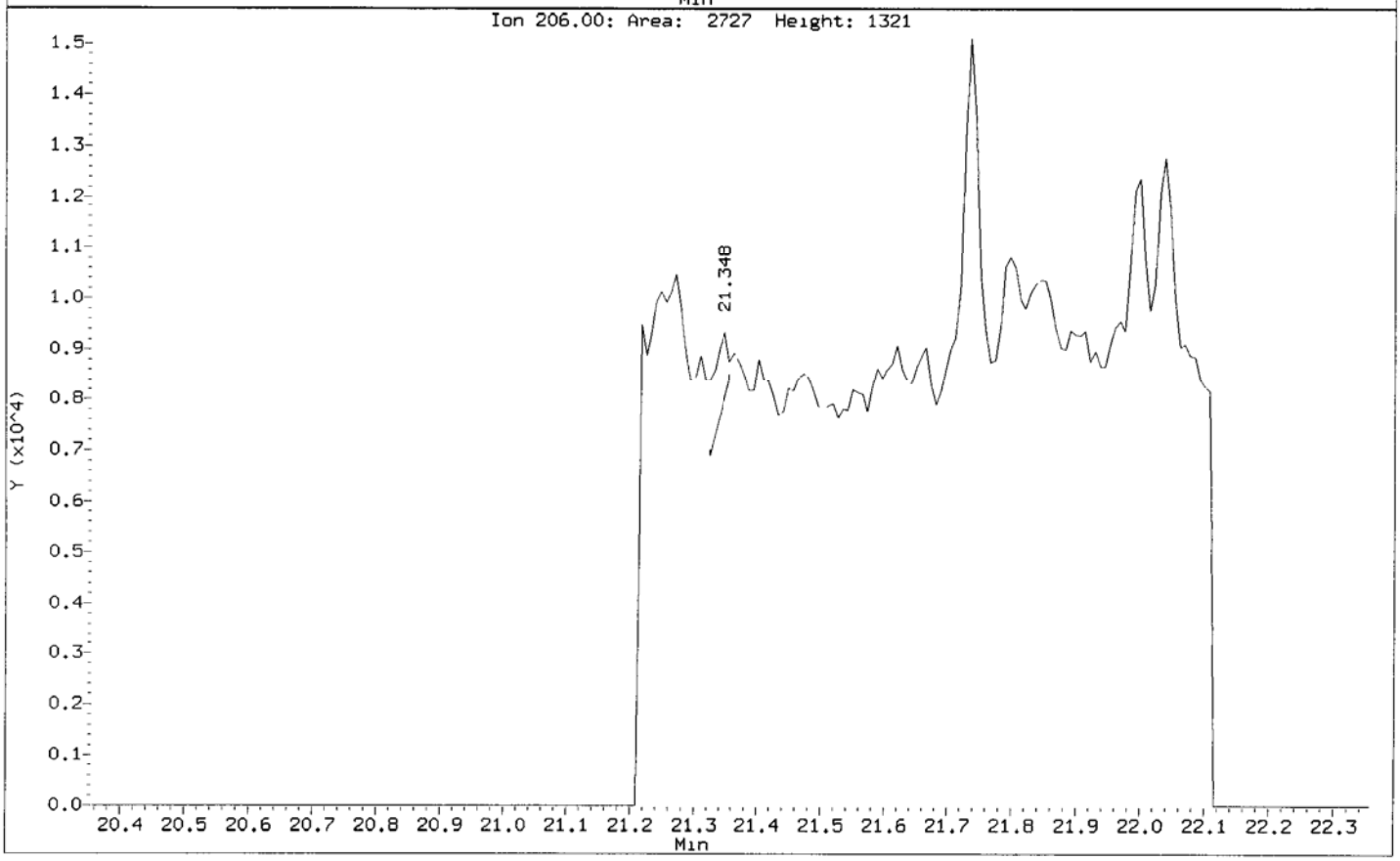
5. Other _____

Analyst: VZ Date: 9/9/13

Data File: /chem1/nt10.1/20130903.b/SIM.b/xb89e3.d
Injection Date: 03-SEP-2013 13:03
Instrument: nt10.1
Client Sample ID:

Compound: Butylbenzylphthalate
CAS Number: 85-68-7

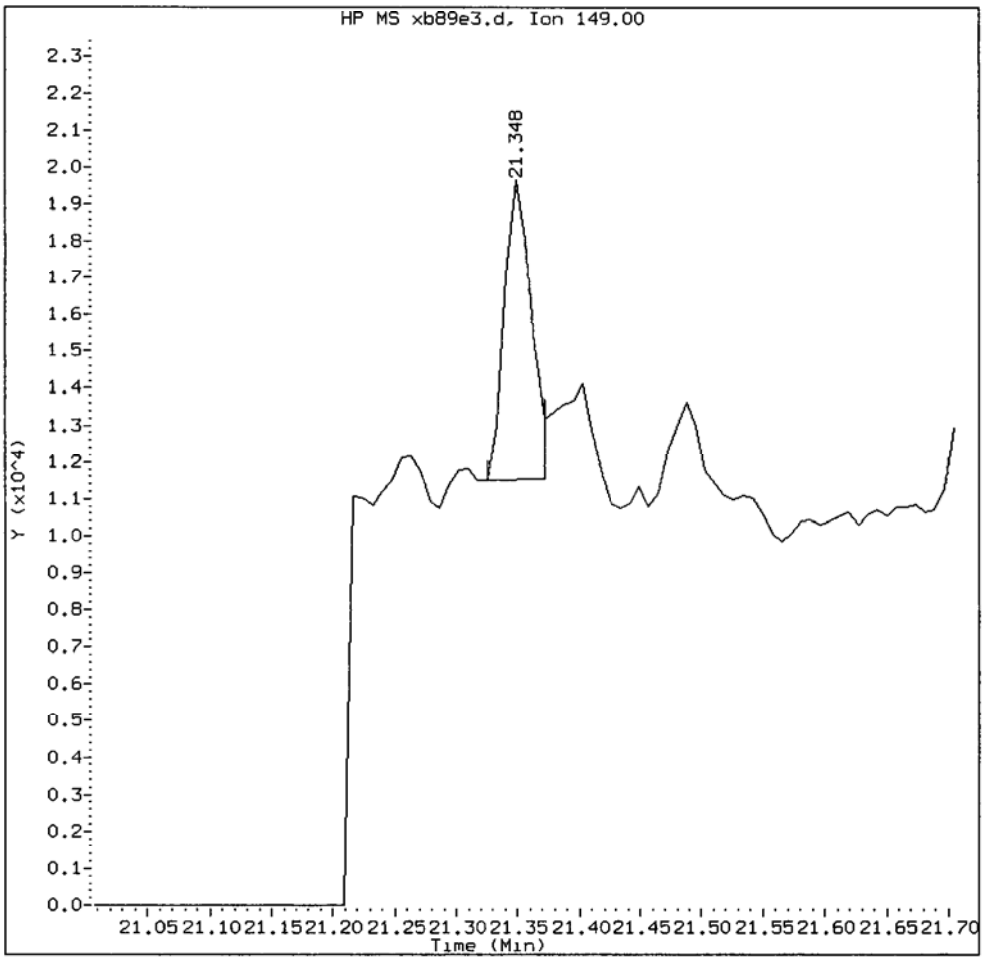




XB89 : 66951

XB89E, /chem1/nt10.i/20130903.b/SIM.b/xb89e3.d

Butylbenzylphthalate Amount: 0.21 Area: 12508



MANUAL INTEGRATION for Butylbenzylphthalate

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89e3.d

Lab ID: XB89E, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 03-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

VZ 9/9/13

METHOD 8270D-SIM

Data file : /chem1/nt10.i/20130903.b/SIM.b/xb89f.d
Lab Smp Id: XB89F Client Smp ID: IJ13-VC-102-4-5.4
Inj Date : 03-SEP-2013 13:38
Operator : VTS/YZ Inst ID: nt10.i
Smp Info : XB89F
Misc Info : 13-17441
Comment :
Method : /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Meth Date : 09-Sep-2013 09:57 yev Quant Type: ISTD
Cal Date : 23-AUG-2013 20:56 Cal File: ic0823i.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	16.17000	Weight of sample extracted (g)
M	35.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	6.072	5.979	(0.739)	367533	7.45382	711.4
3	Phenol	94	7.648	7.602	(0.931)	121286	2.15683 NFQ	205.8
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	8.213	8.205	(1.000)	161022	4.00000	
9	1,4-Dichlorobenzene	146	8.244	8.236	(1.004)	3028	0.05556	5.302
11	Benzyl alcohol	79	8.508	8.477	(1.036)	15580	0.53791 NFQ	51.34 (M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
13	2-Methylphenol	108	8.733	8.694	(1.063)	72887	1.59096	151.8
15	4-Methylphenol	108	9.028	8.981	(1.099)	252773	5.38198 NFQ	513.6
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
22	2,4-Dimethylphenol	107	10.018	9.995	(0.942)	212950	4.07095	388.5
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	10.635	10.627	(1.000)	614648	4.00000	
30	Hexachlorobutadiene	225	Compound Not Detected.					
39	Dimethylphthalate	163	13.645	13.645	(0.962)	122314	1.52570	145.6 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	42 Acenaphthene-d10	162	14.179	14.163	(1.000)	271764	4.00000	
	50 Diethylphthalate	149	15.122	15.099	(1.066)	26800	0.27573	26.32(H)
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
*	59 Phenanthrene-d10	188	17.224	17.200	(1.000)	542573	4.00000	(H)
$	66 Terphenyl-d14	244	20.450	20.419	(0.915)	289687	4.55096	434.3
	67 Butylbenzylphthalate	149	21.356	21.356	(0.956)	18583	0.30228	28.85(M)
*	69 Chrysene-d12	240	22.347	22.316	(1.000)	613885	4.00000	
*	77 Perylene-d12	264	24.708	24.646	(1.000)	644512	4.00000	
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: xb89f.d
Lab Smp Id: XB89F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS/YZ
Method File: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Misc Info: 13-17441

Calibration Date: 03-SEP-2013
Calibration Time: 12:28
Client Smp ID: IJ13-VC-102-4-5.
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	160515	80258	321030	161022	0.32
27 Naphthalene-d8	576038	288019	1152076	614648	6.70
42 Acenaphthene-d10	314384	157192	628768	271764	-13.56
59 Phenanthrene-d10	686356	343178	1372712	542573	-20.95
69 Chrysene-d12	741751	370876	1483502	613885	-17.24
77 Perylene-d12	800926	400463	1601852	644512	-19.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.21	7.71	8.71	8.21	0.09
27 Naphthalene-d8	10.63	10.13	11.13	10.63	0.07
42 Acenaphthene-d10	14.16	13.66	14.66	14.18	0.11
59 Phenanthrene-d10	17.20	16.70	17.70	17.22	0.13
69 Chrysene-d12	22.32	21.82	22.82	22.35	0.14
77 Perylene-d12	24.65	24.15	25.15	24.71	0.25

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

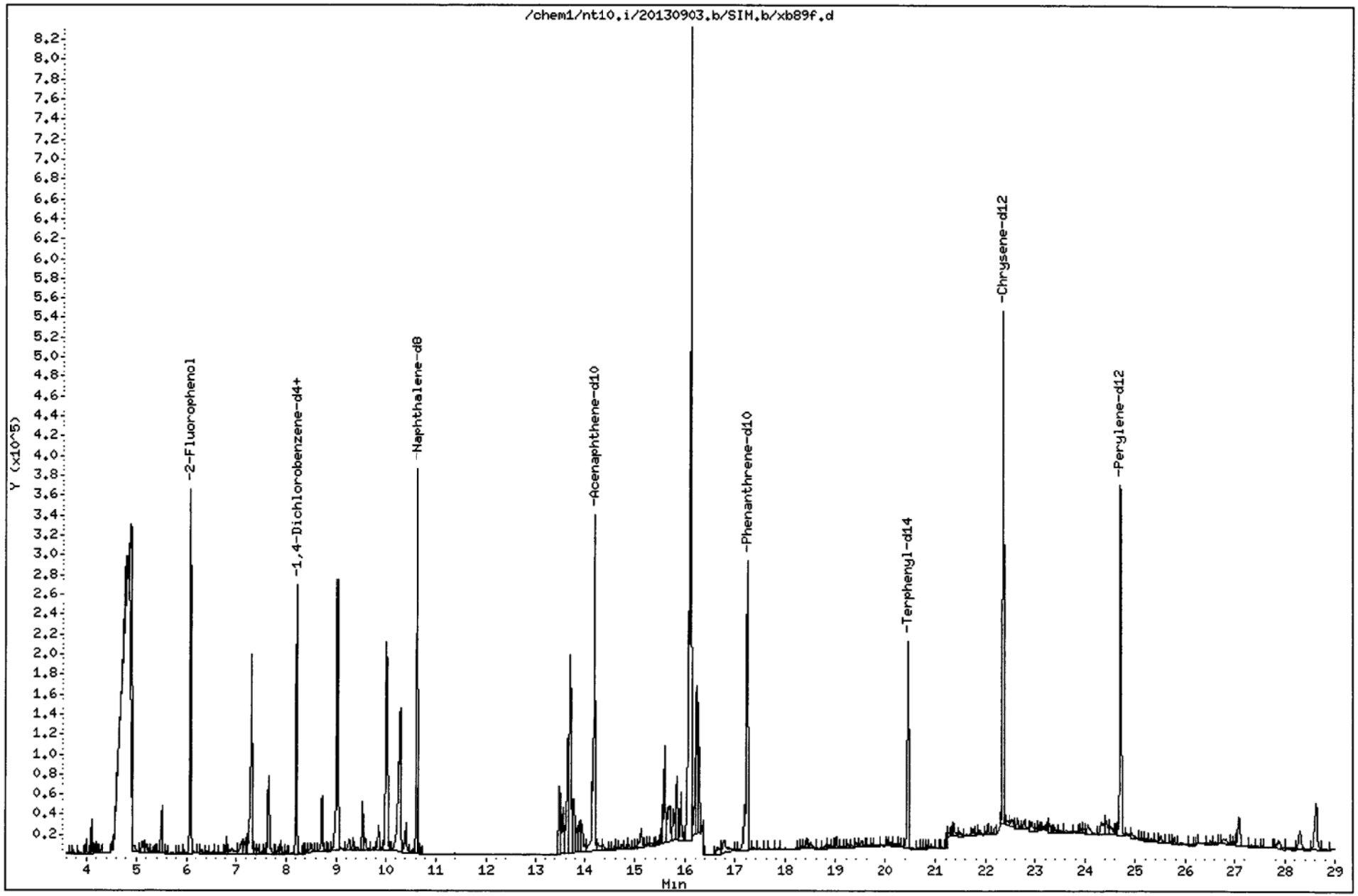
RECOVERY REPORT

Client Name: Anchor QEA, LLC. Client SDG: XB89
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: XB89F Client Smp ID: IJ13-VC-102-4-5.4
Level: LOW Operator: VTS/YZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt10.i/20130903.b/SIM.b/SIMABN2.m
Misc Info: 13-17441

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	715.8	711.4	99.38	27-120
$ 66 Terphenyl-d14	477.2	434.3	91.02	37-120

Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d
Date : 03-SEP-2013 13:38
Client ID: IJ13-VC-102-4-5.4
Sample Info: XB89F
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt10.i
Operator: VTS/YZ
Column diameter: 0.25



XB89 : 60358

Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

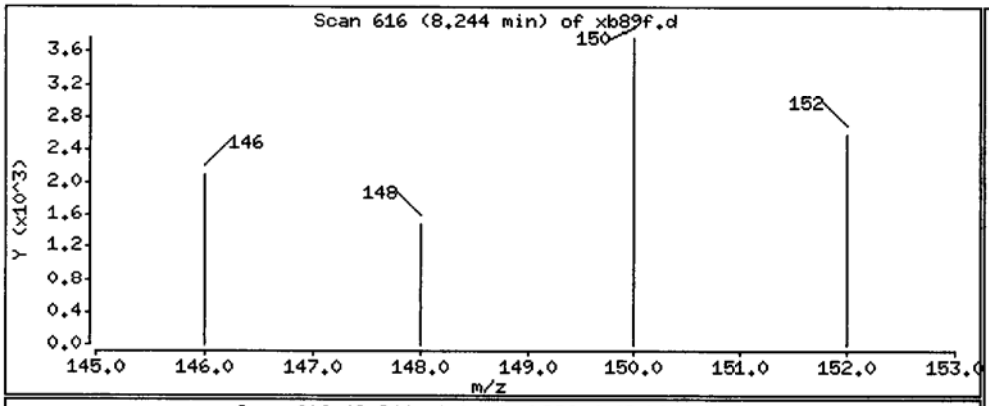
Operator: VTS/YZ

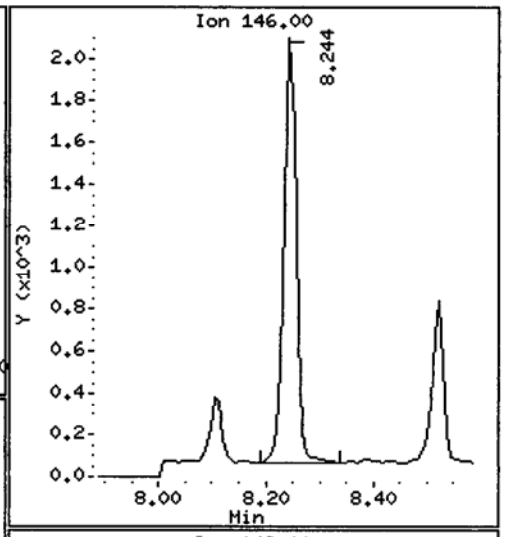
Column phase: ZB-5msi

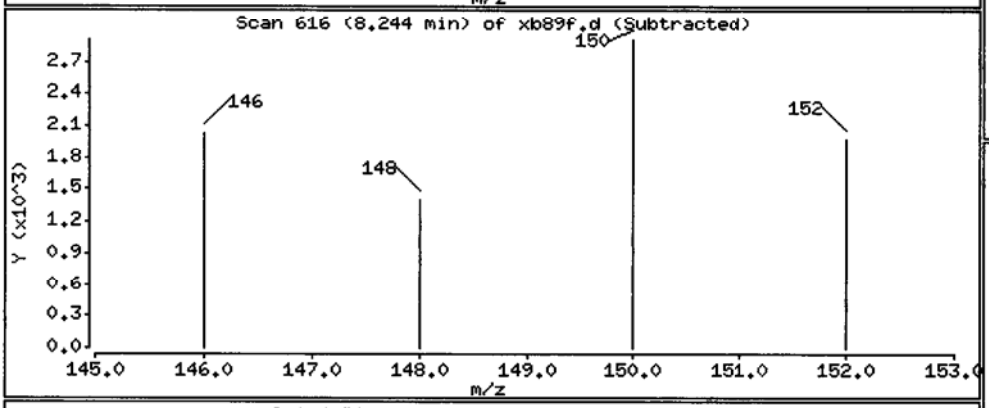
Column diameter: 0.25

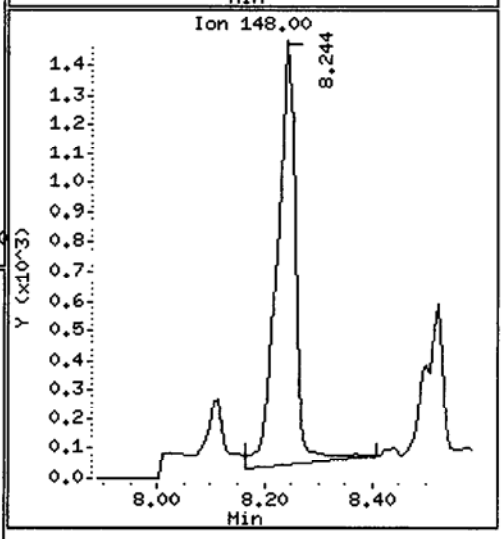
9 1,4-Dichlorobenzene

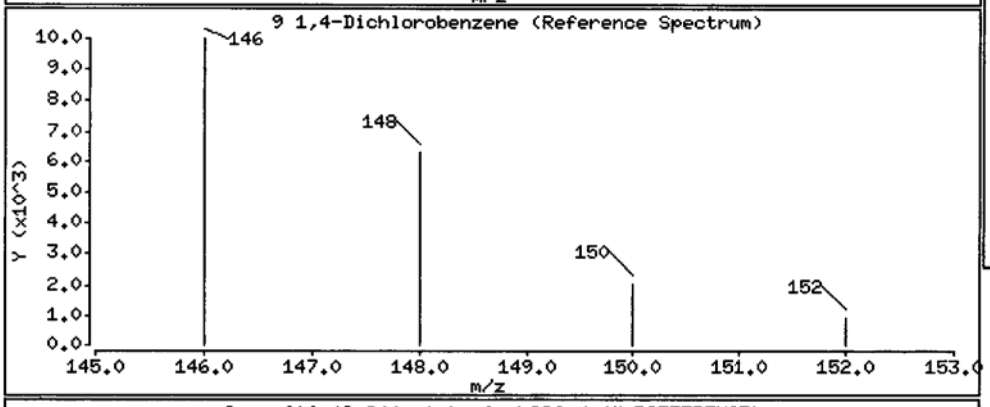
Concentration: 5.302 ug/kg

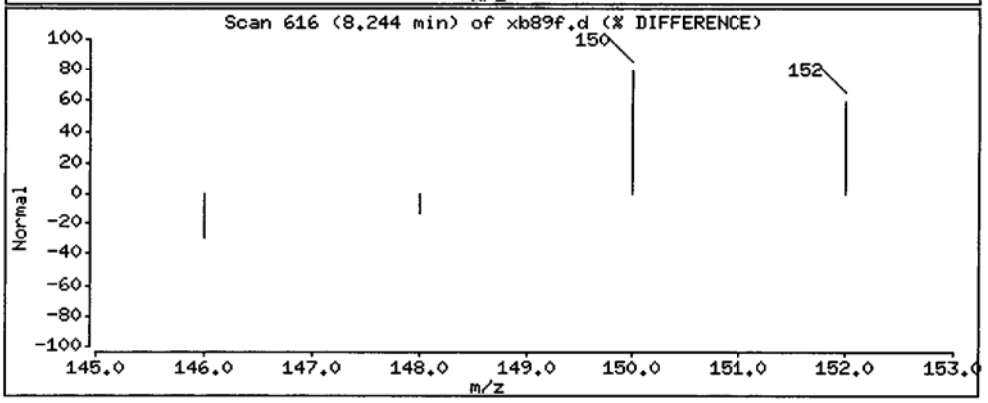












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

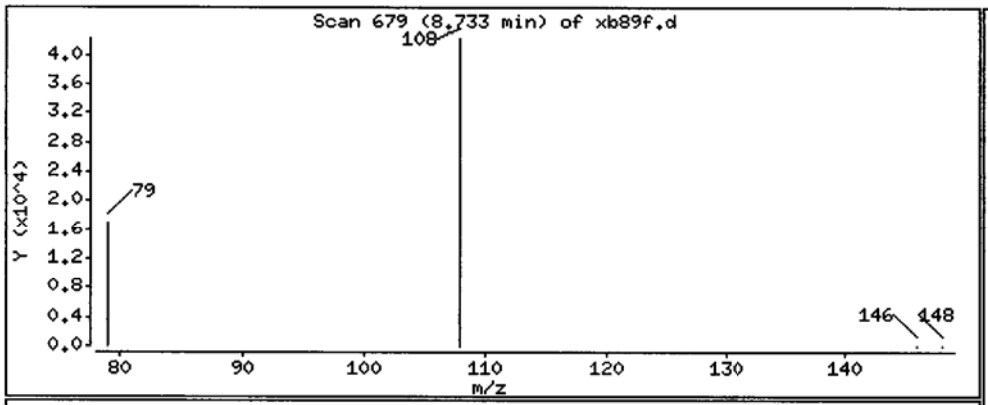
Operator: VTS/YZ

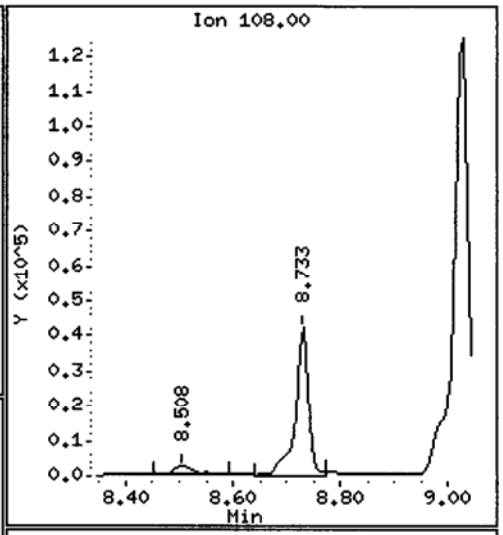
Column phase: ZB-5msi

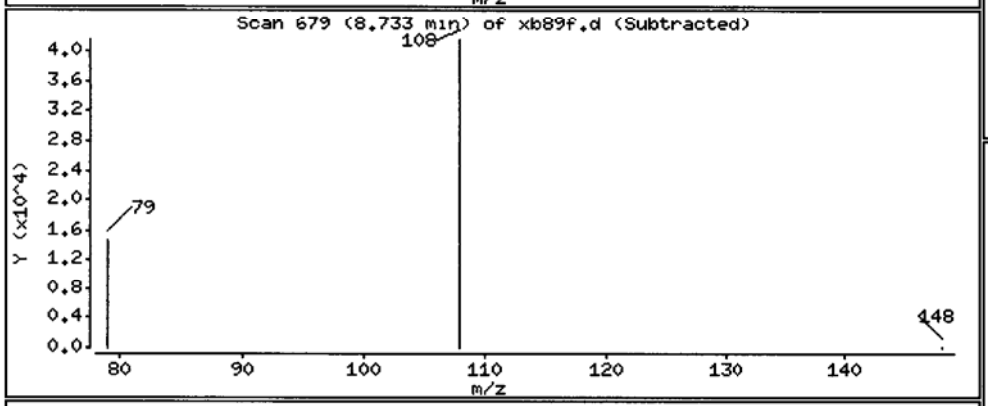
Column diameter: 0.25

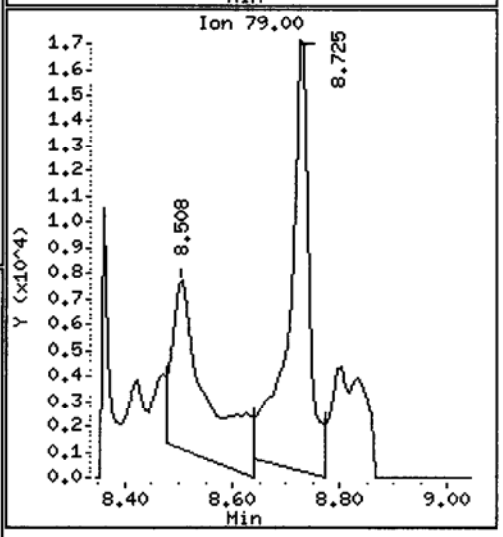
13 2-Methylphenol

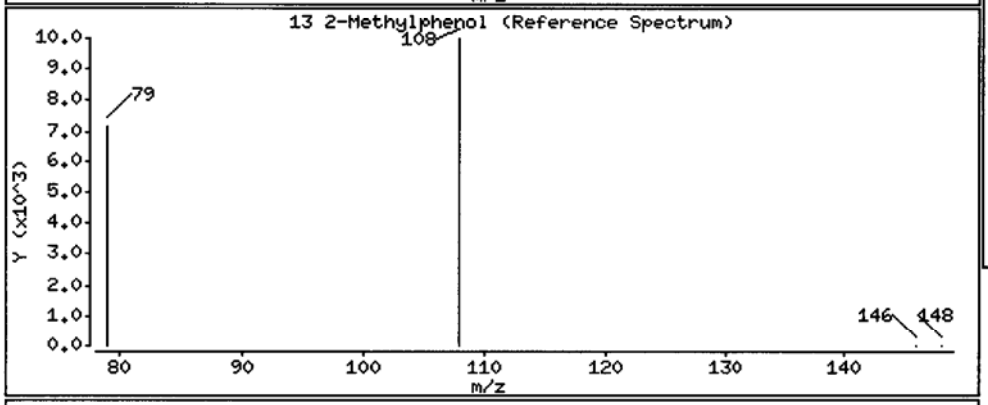
Concentration: 151.8 ug/kg

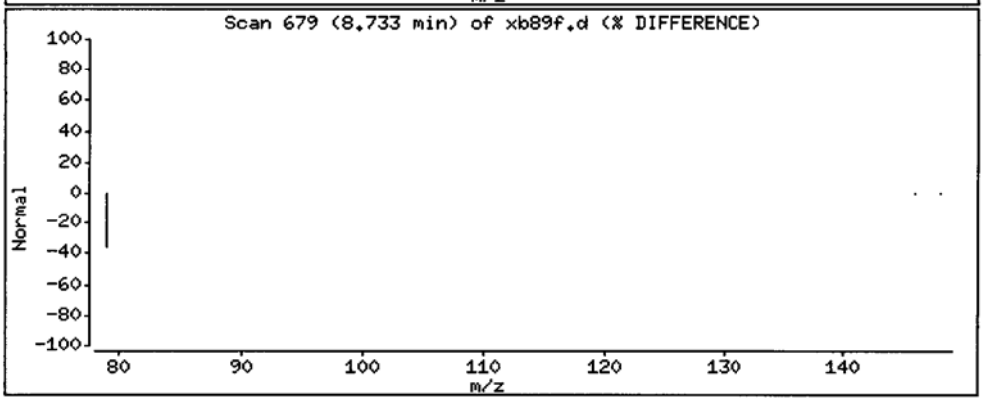












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

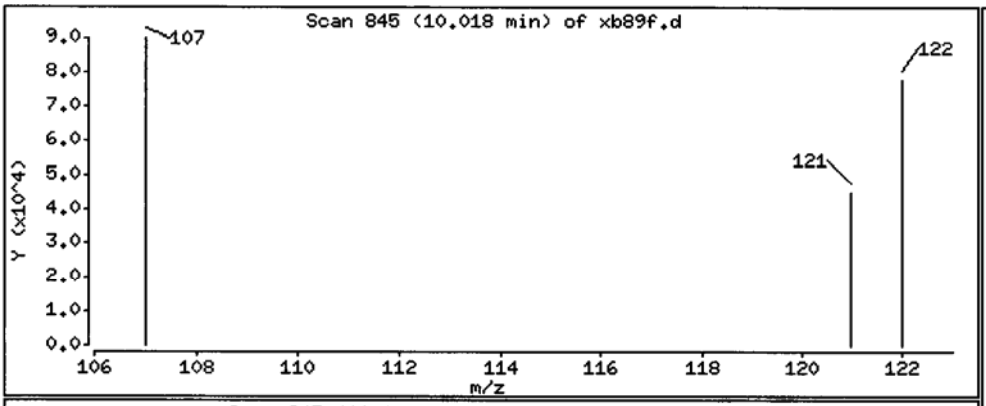
Operator: VTS/YZ

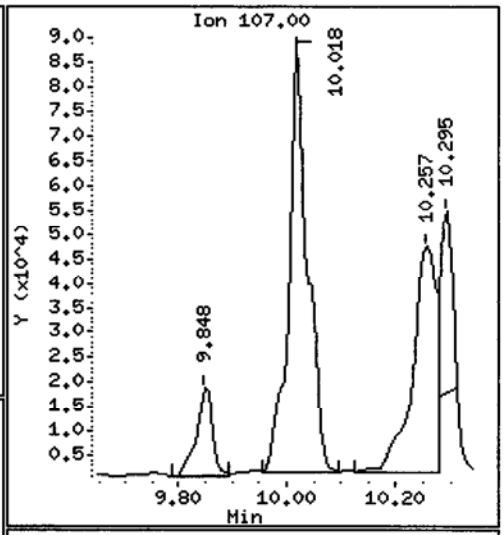
Column phase: ZB-5msi

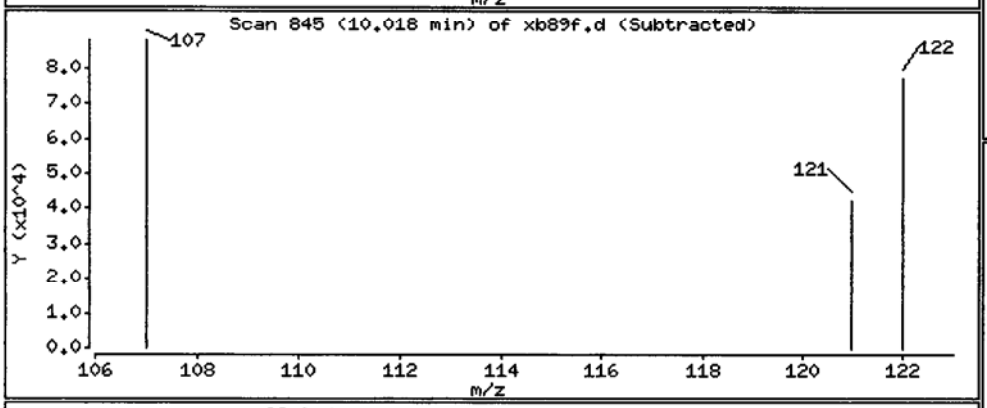
Column diameter: 0.25

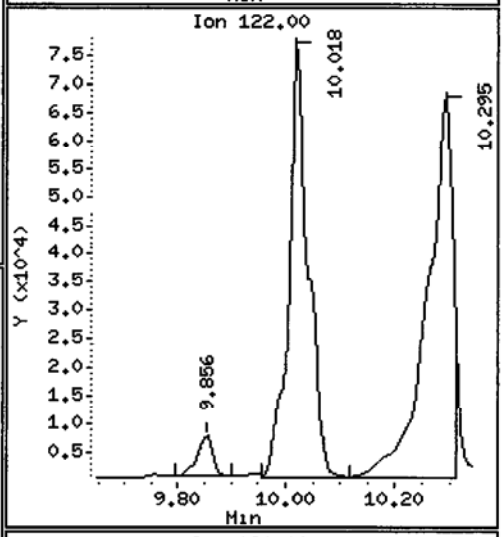
22 2,4-Dimethylphenol

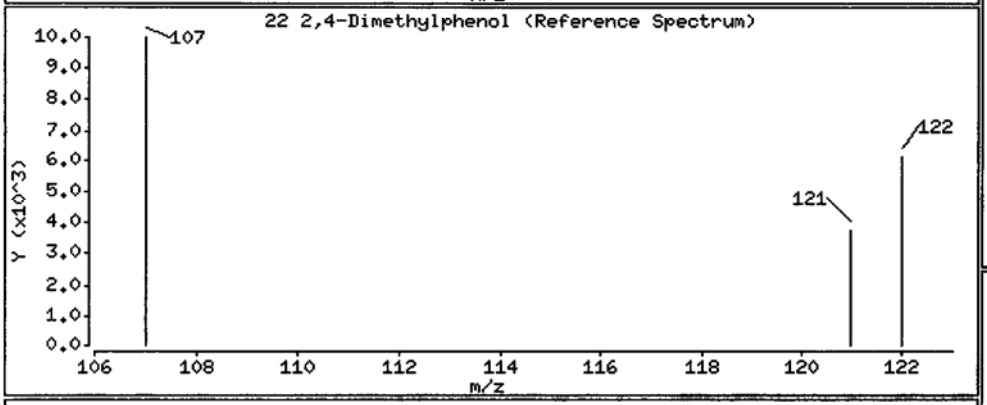
Concentration: 388.5 ug/kg

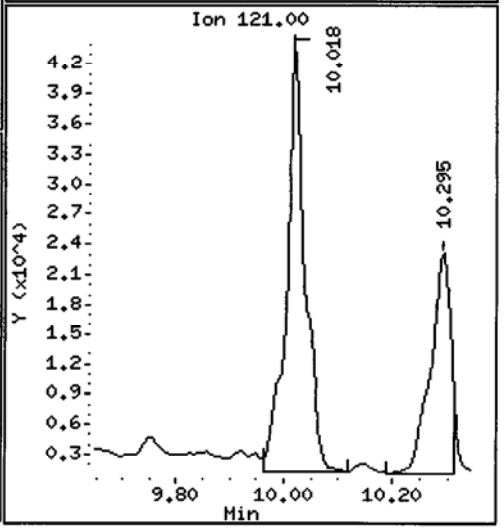


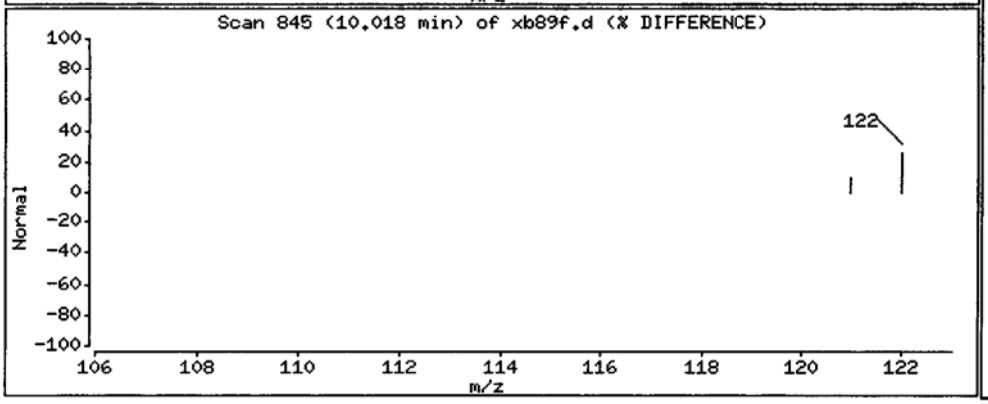












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

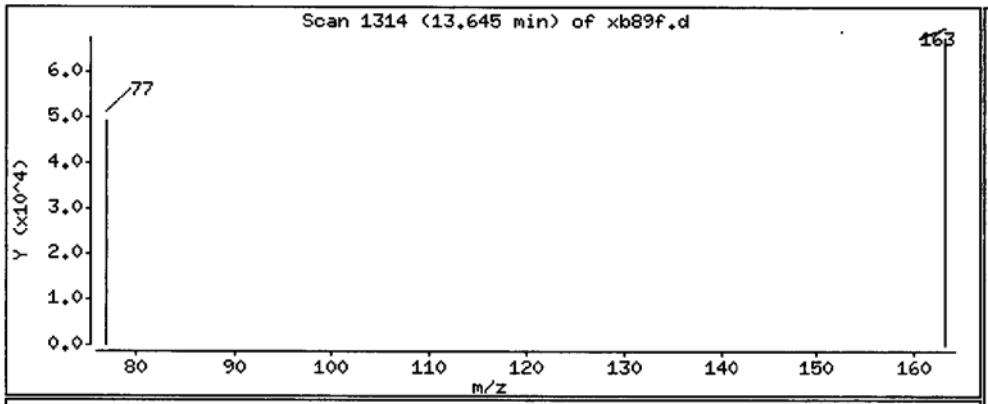
Operator: VTS/YZ

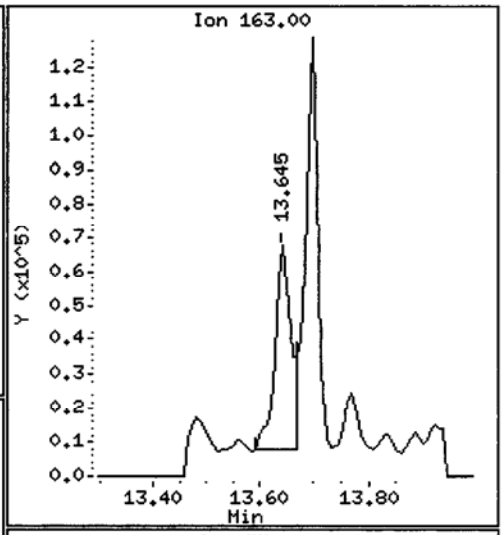
Column phase: ZB-5msi

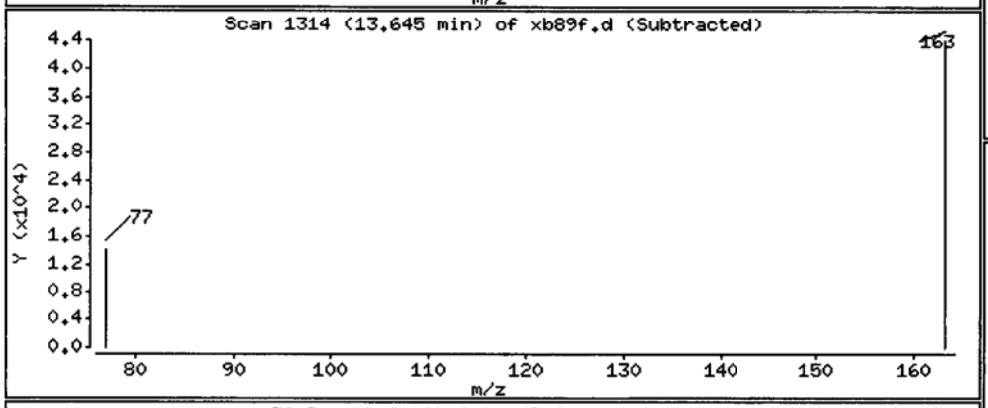
Column diameter: 0.25

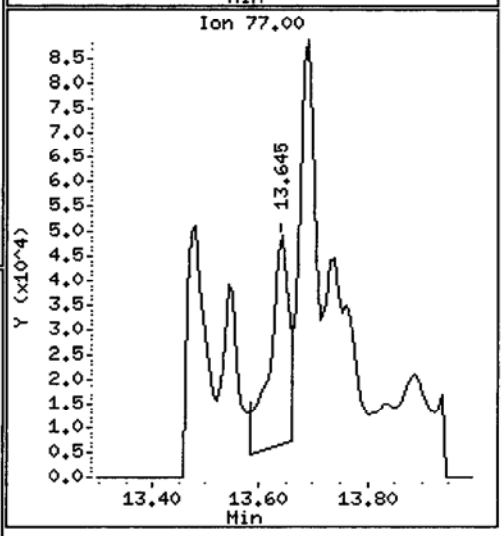
39 Dimethylphthalate

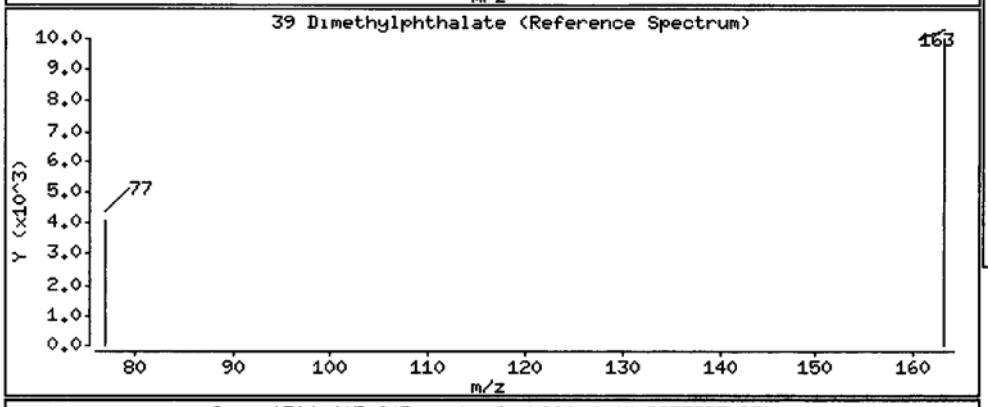
Concentration: 145.6 ug/kg

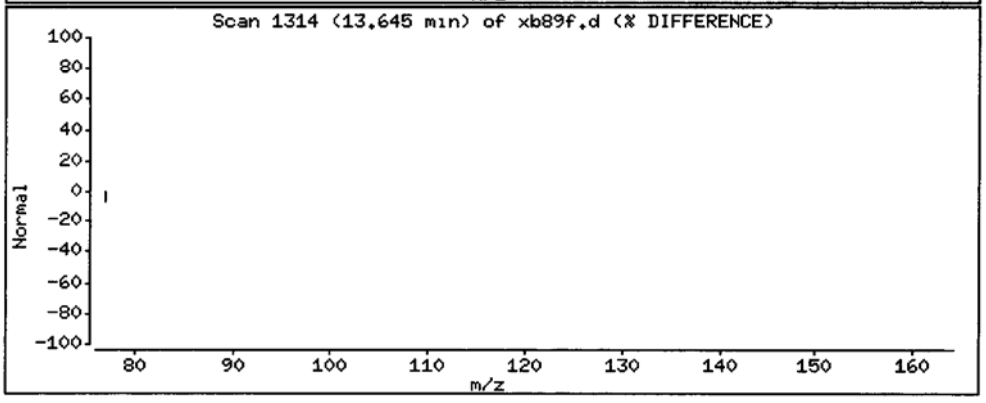












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

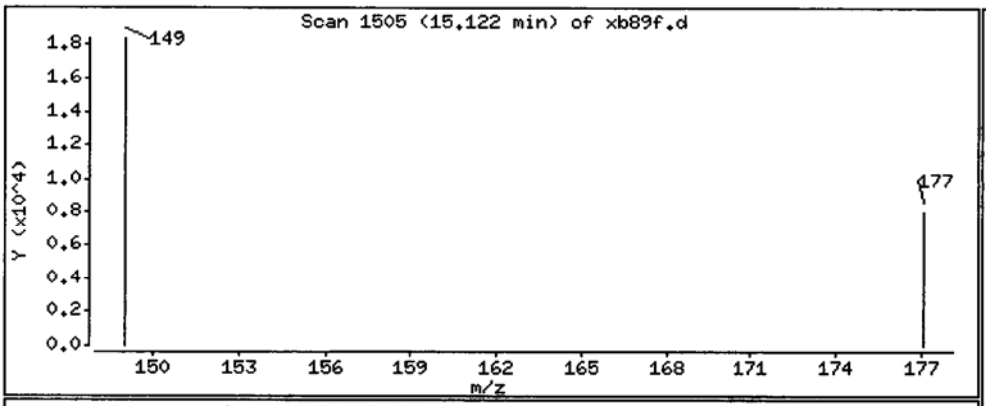
Operator: VTS/YZ

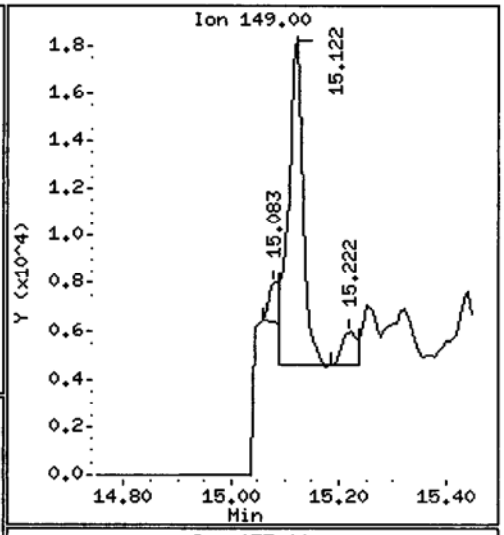
Column phase: ZB-5msi

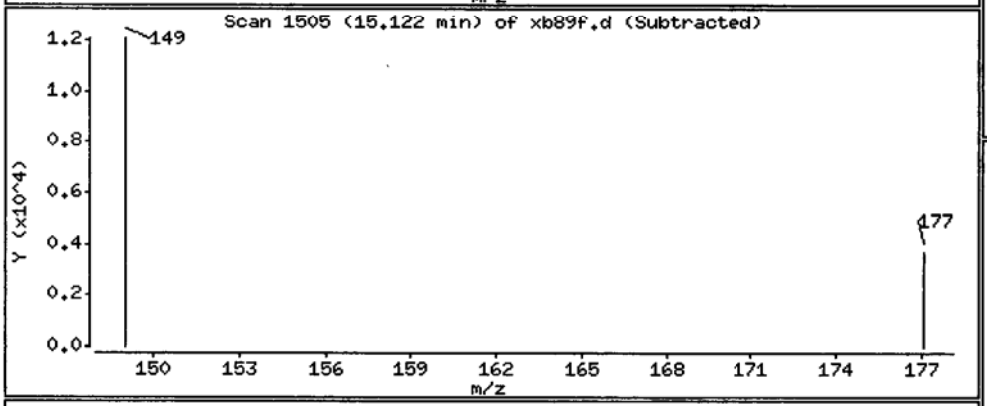
Column diameter: 0.25

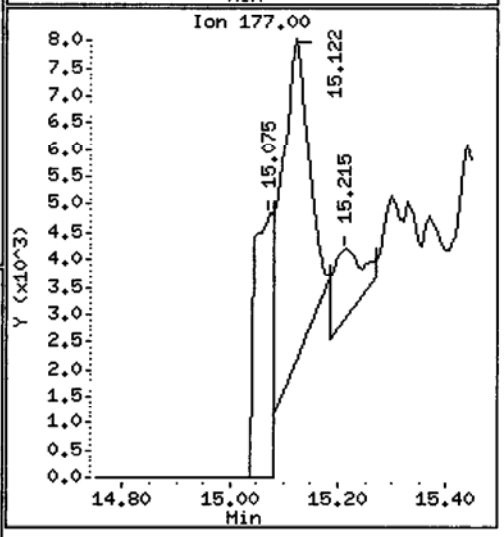
50 Diethylphthalate

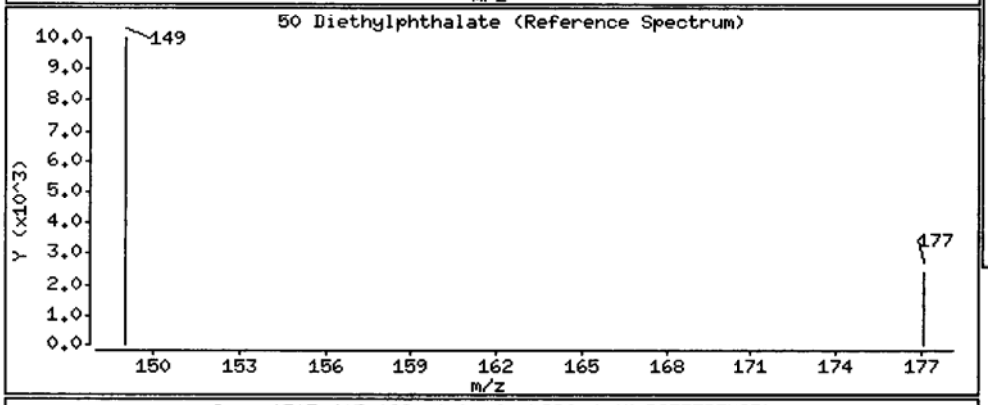
Concentration: 26.32 ug/kg

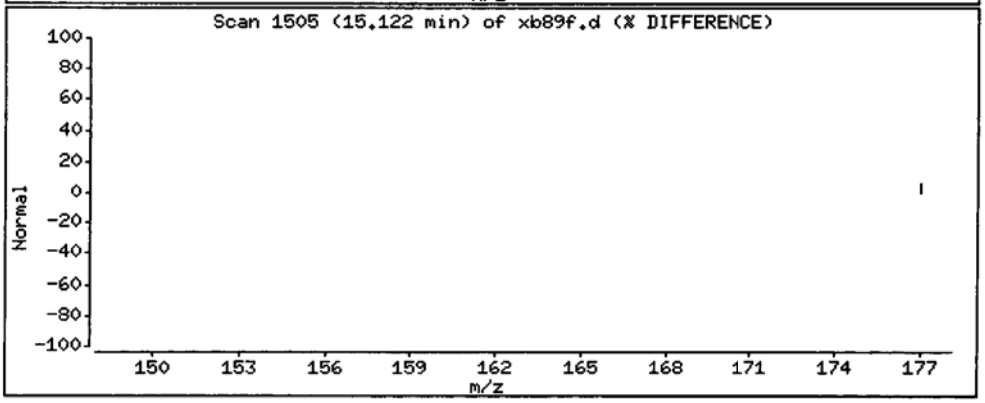












XB89 : 66963

Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

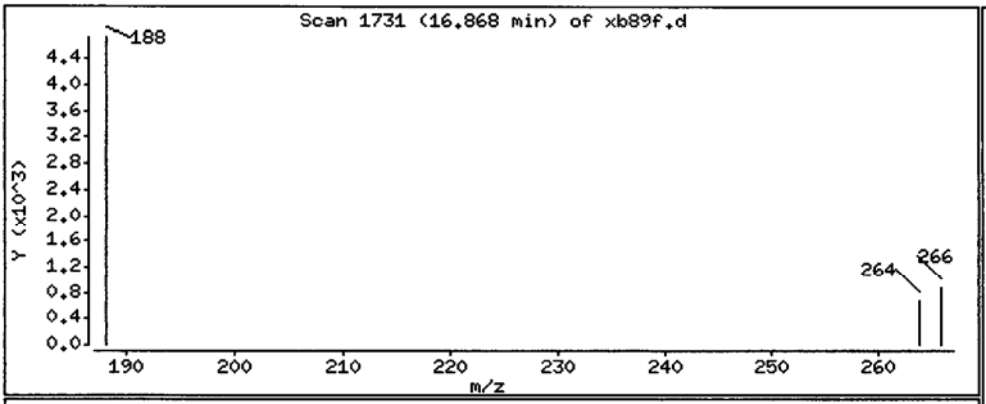
Operator: VTS/YZ

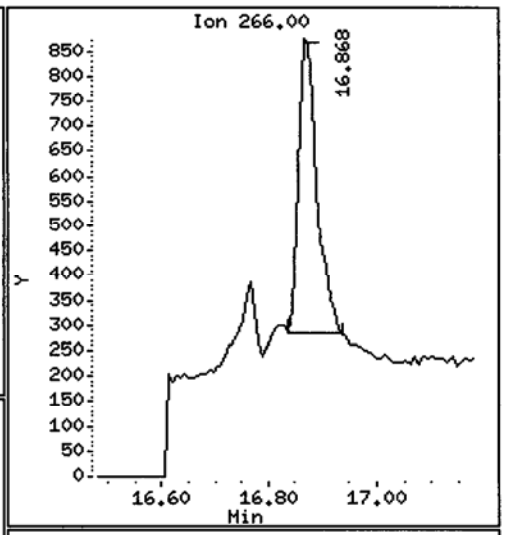
Column phase: ZB-5msi

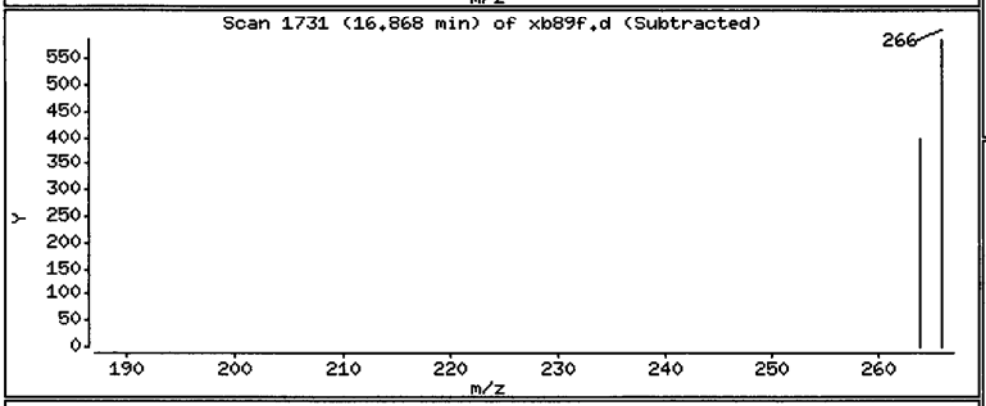
Column diameter: 0.25

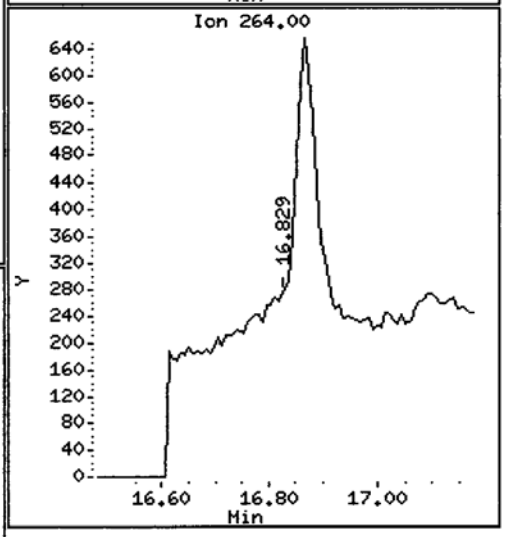
58 Pentachlorophenol

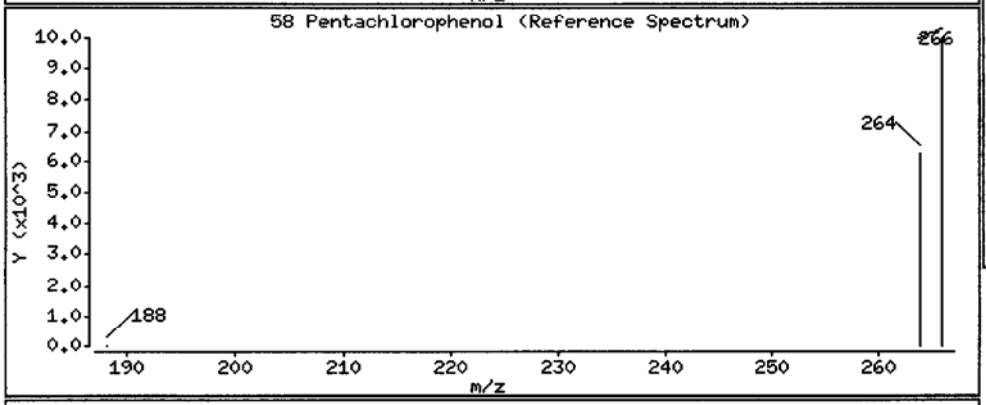
Concentration: 6.292 ug/kg

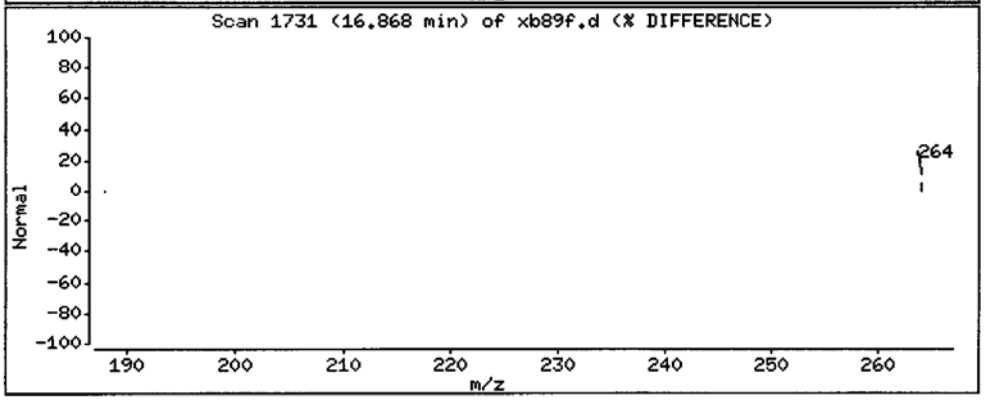












Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Date : 03-SEP-2013 13:38

Client ID: IJ13-VC-102-4-5.4

Instrument: nt10.i

Sample Info: XB89F

Volume Injected (uL): 1.0

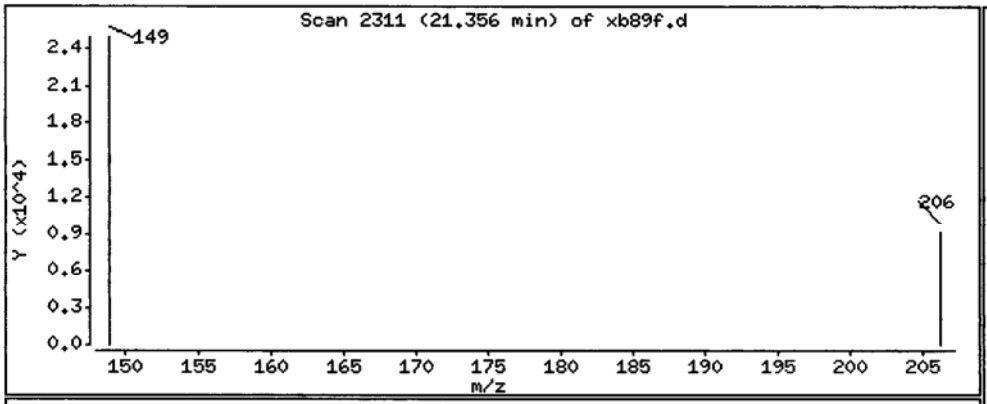
Operator: VTS/YZ

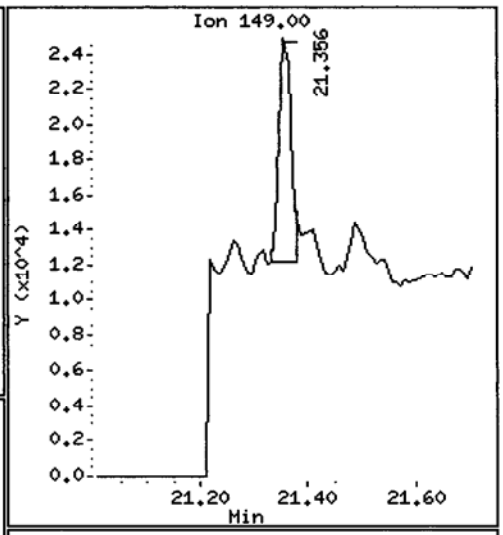
Column phase: ZB-5msi

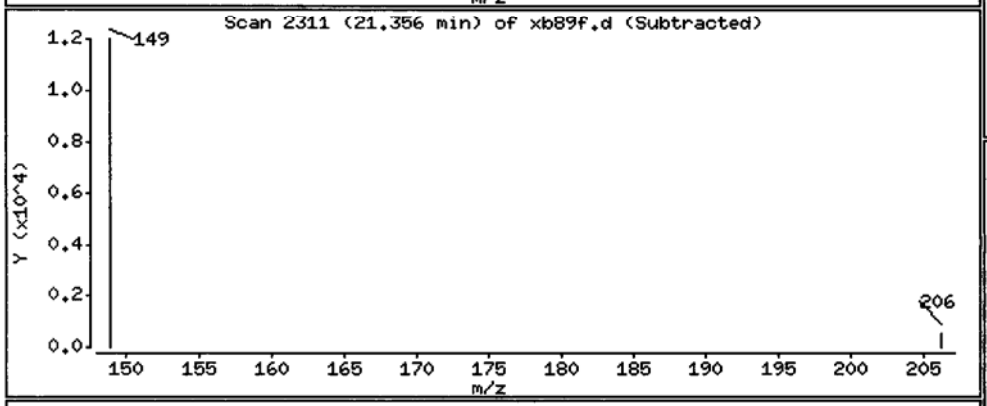
Column diameter: 0.25

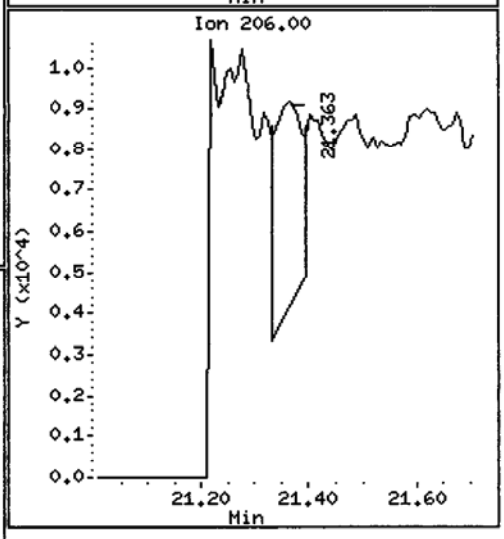
67 Butylbenzylphthalate

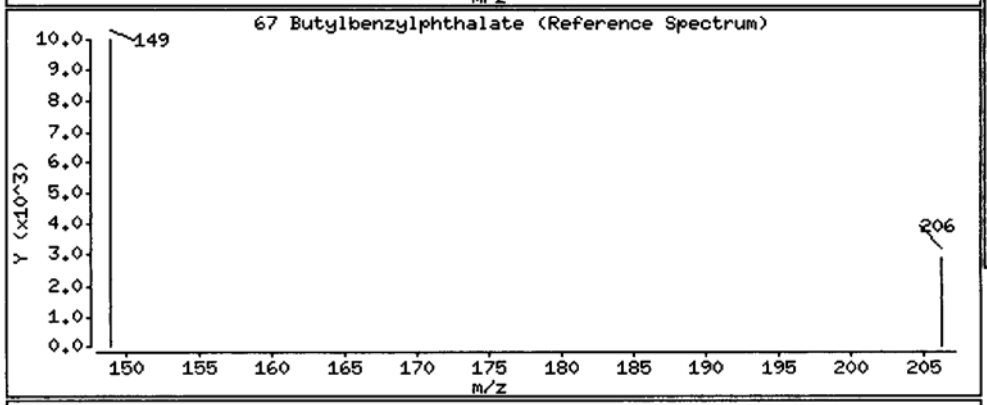
Concentration: 28.85 ug/kg

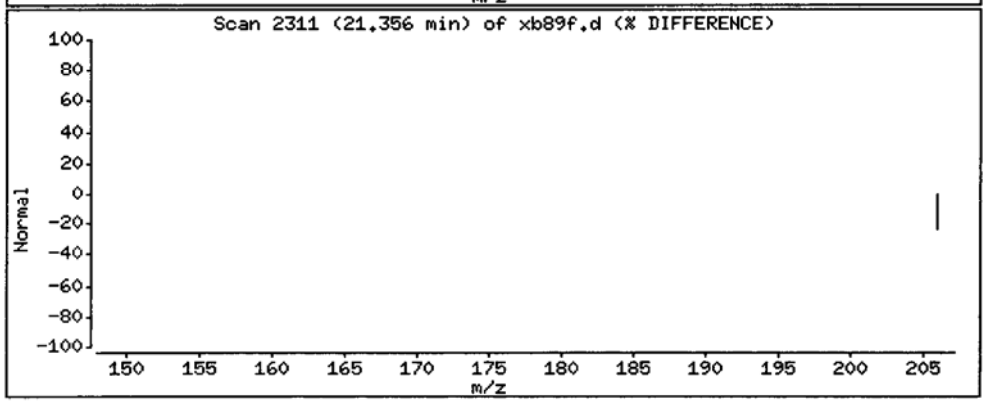






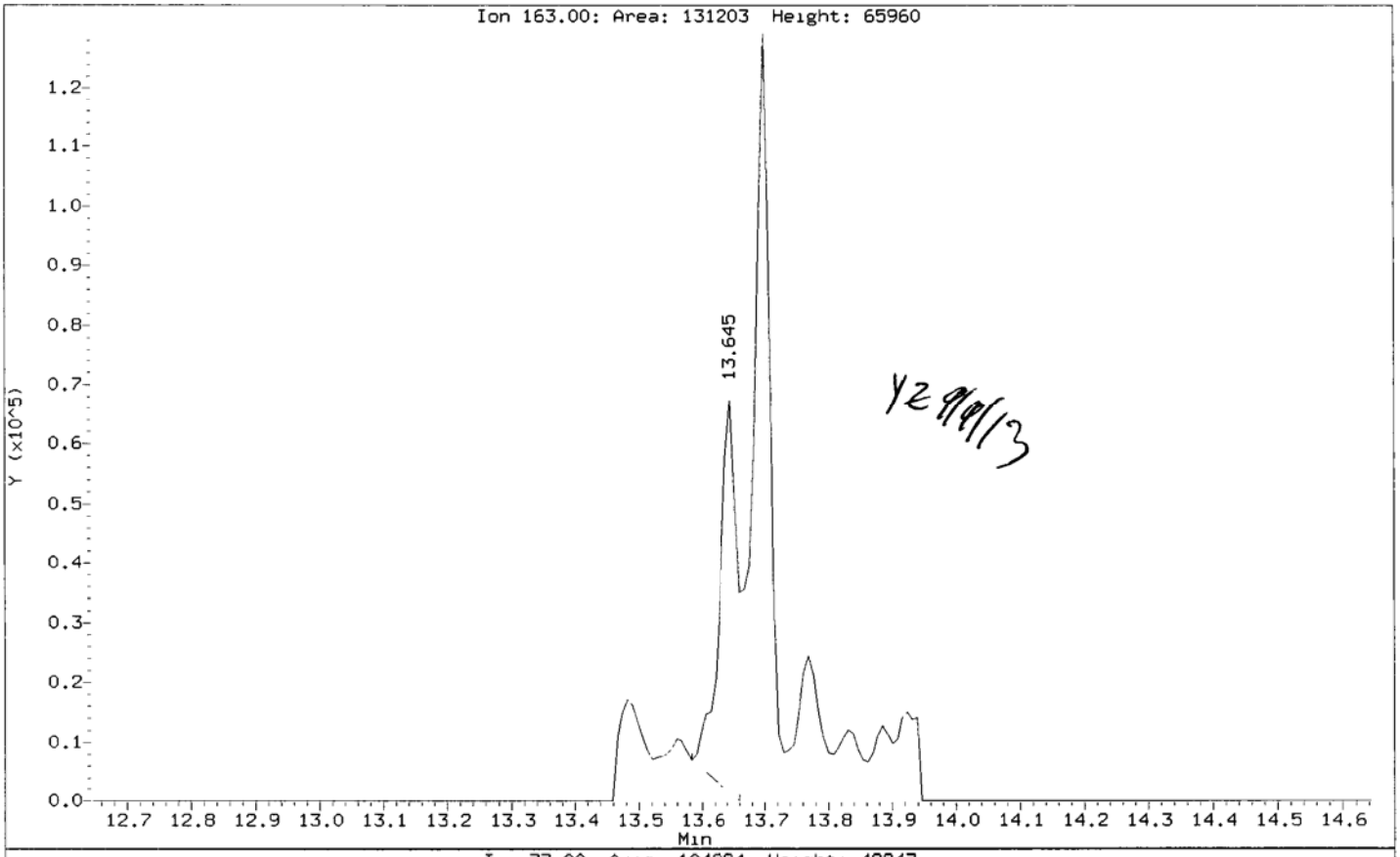




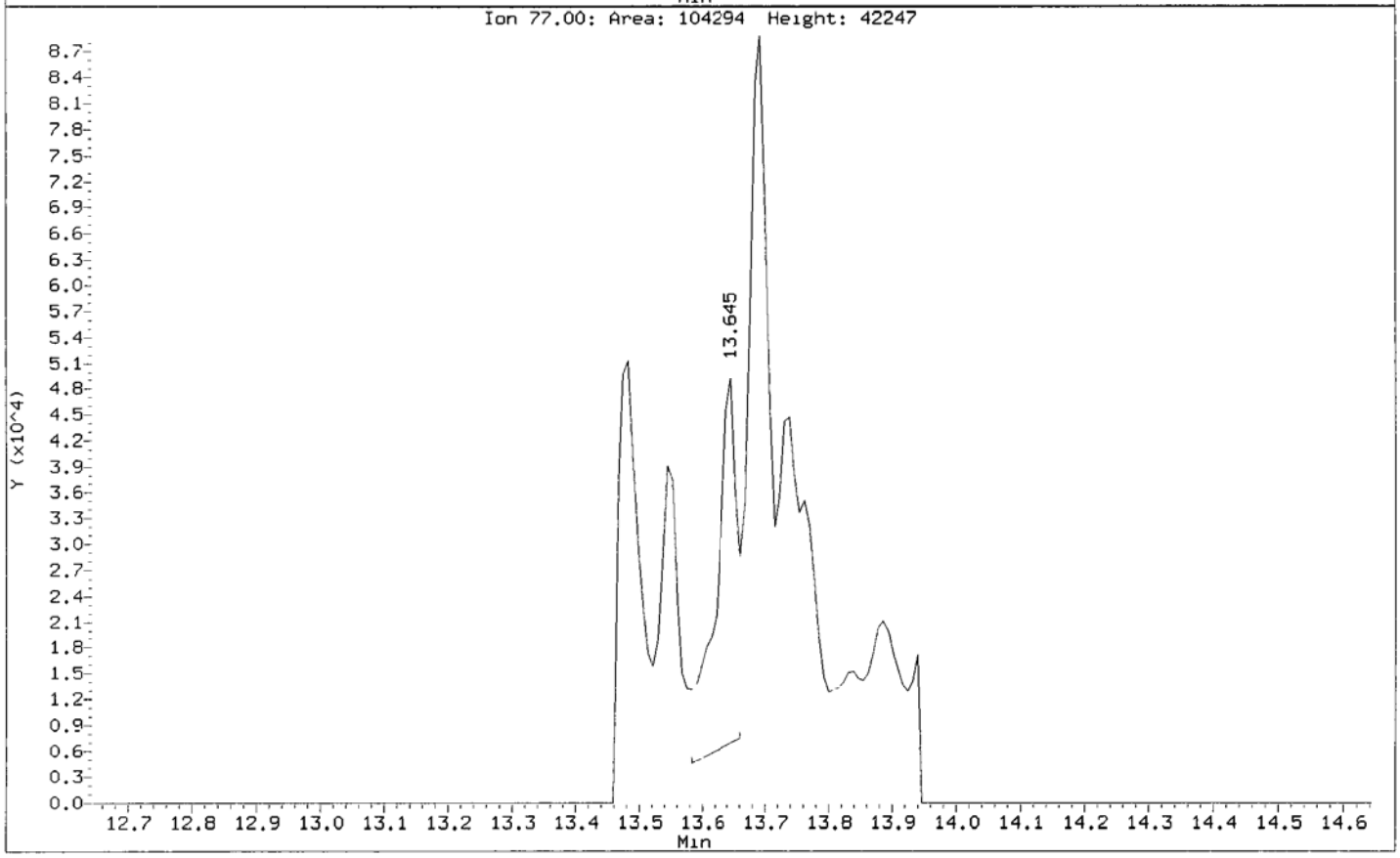


Data File: /chem1/nt10.i/20130903.b/SIM.b/xb89f.d
Injection Date: 03-SEP-2013 13:38
Instrument: nt10.i
Client Sample ID:

Compound: Dimethylphthalate
CAS Number: 131-11-3



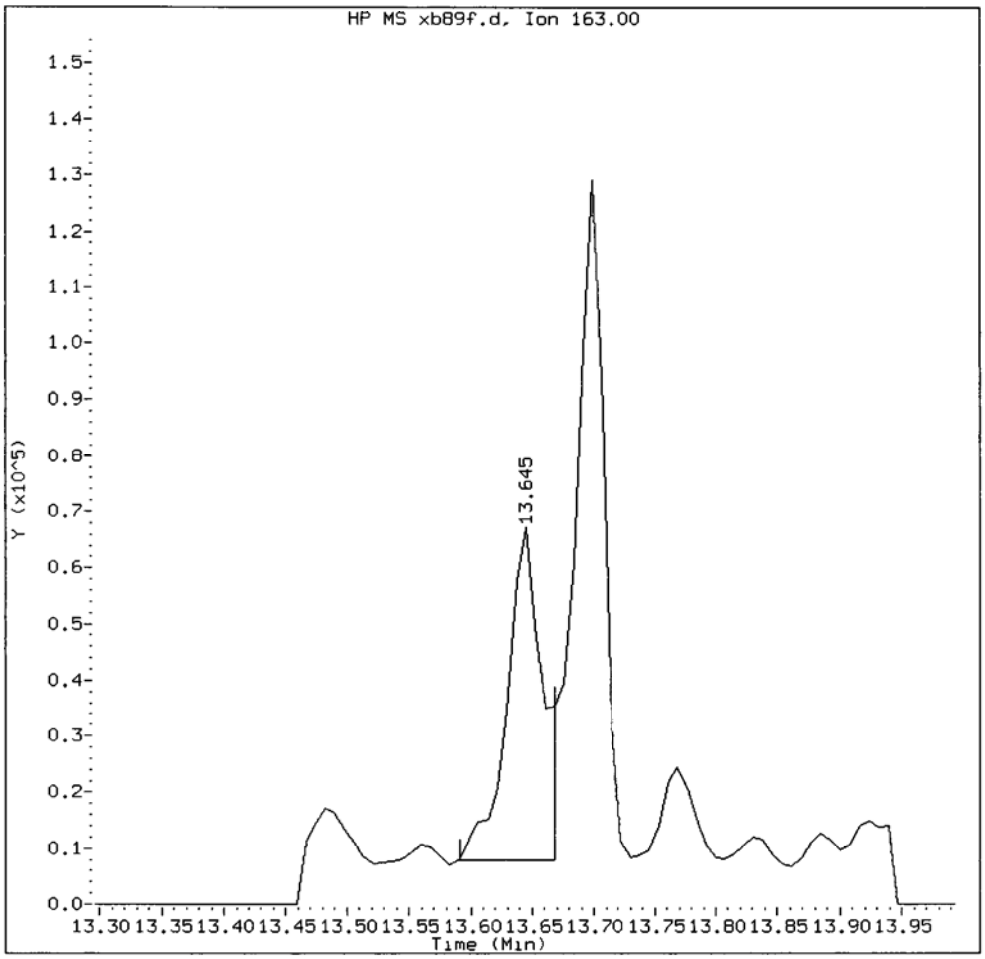
YZ 9/9/13



XB89 : 88966

XB89F, /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Dimethylphthalate Amount: 1.53 Area: 122314



MANUAL INTEGRATION for Dimethylphthalate

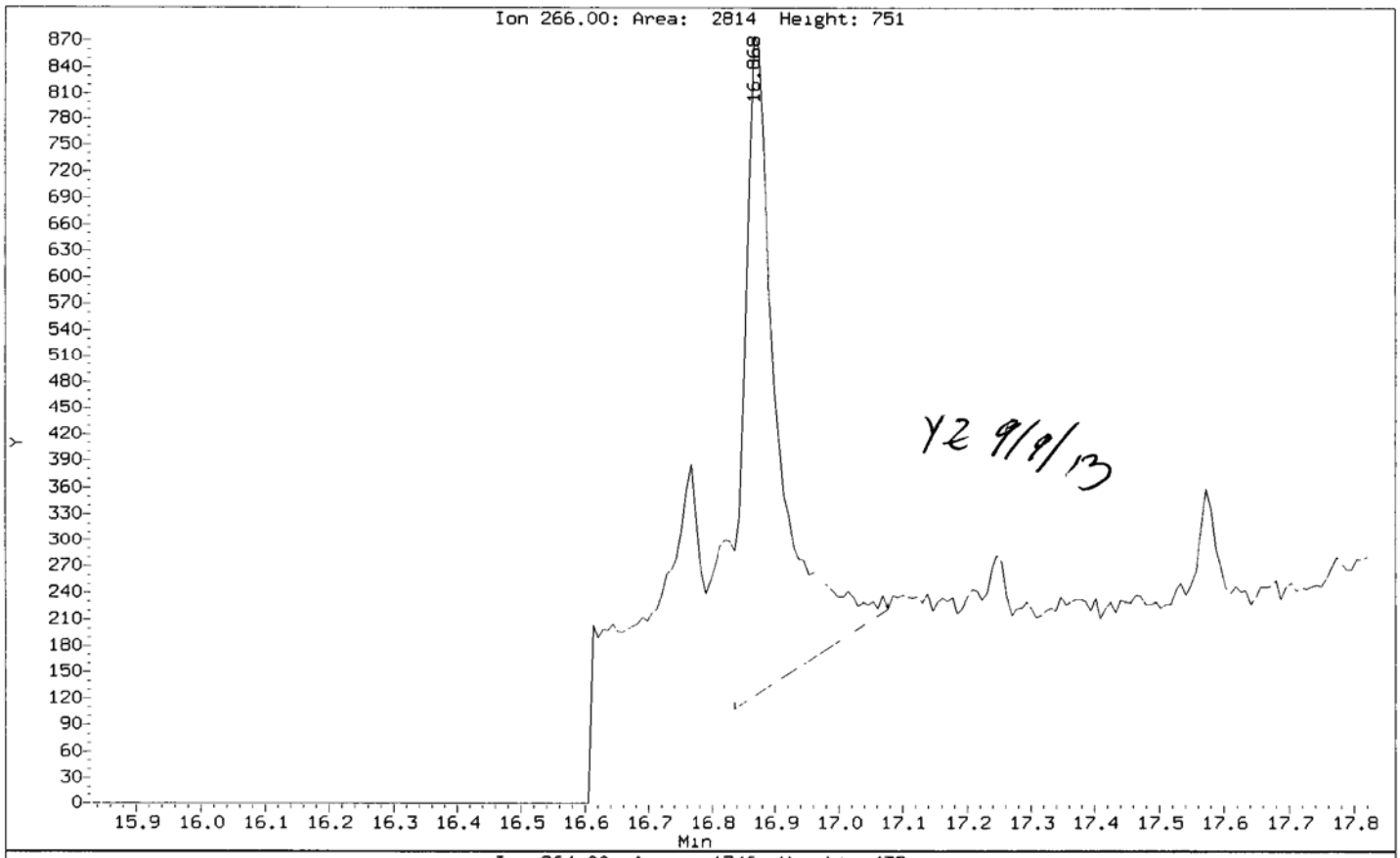
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

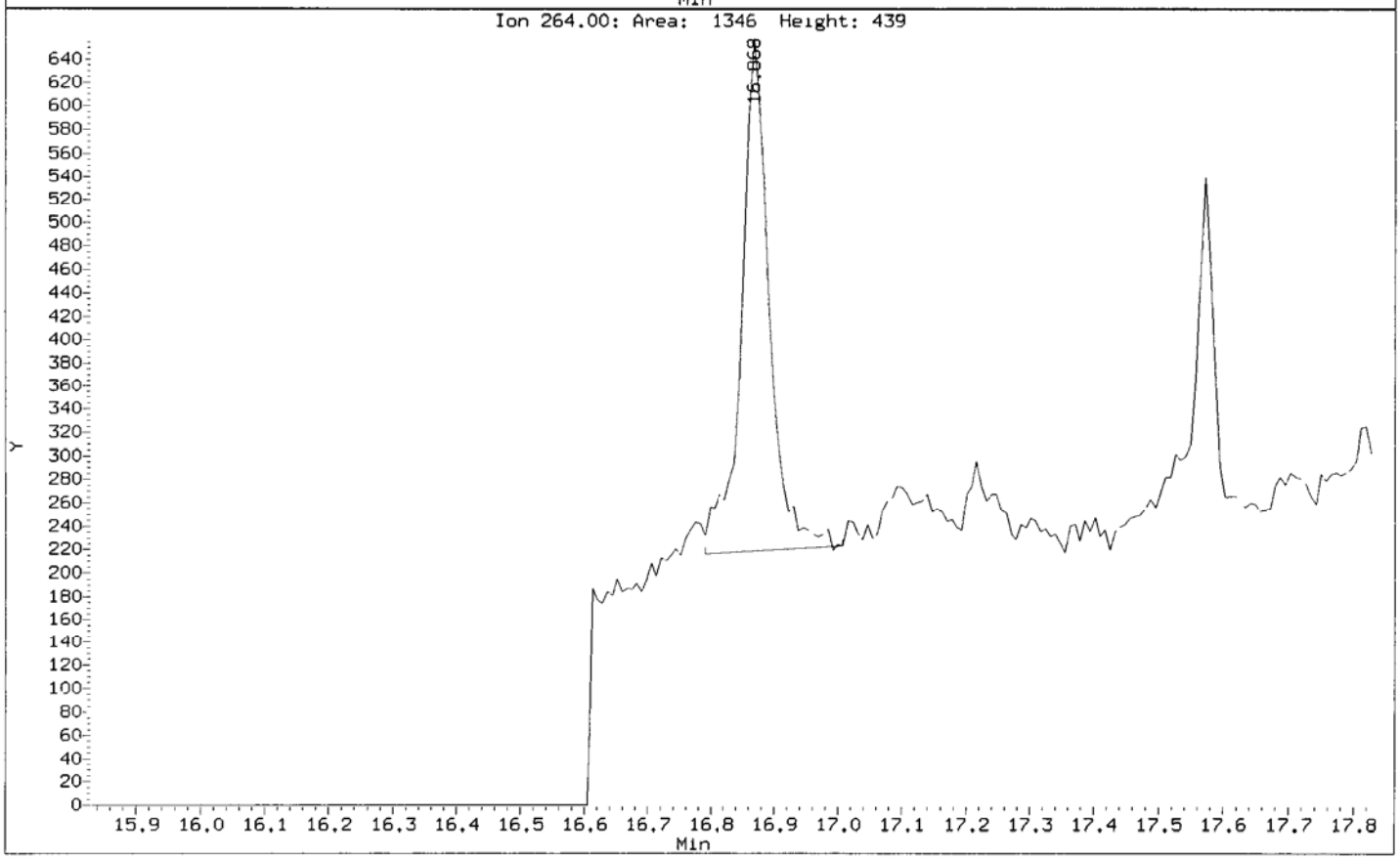
Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.1/20130903.b/SIM.b/xb89f.d
Injection Date: 03-SEP-2013 13:38
Instrument: nt10.1
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



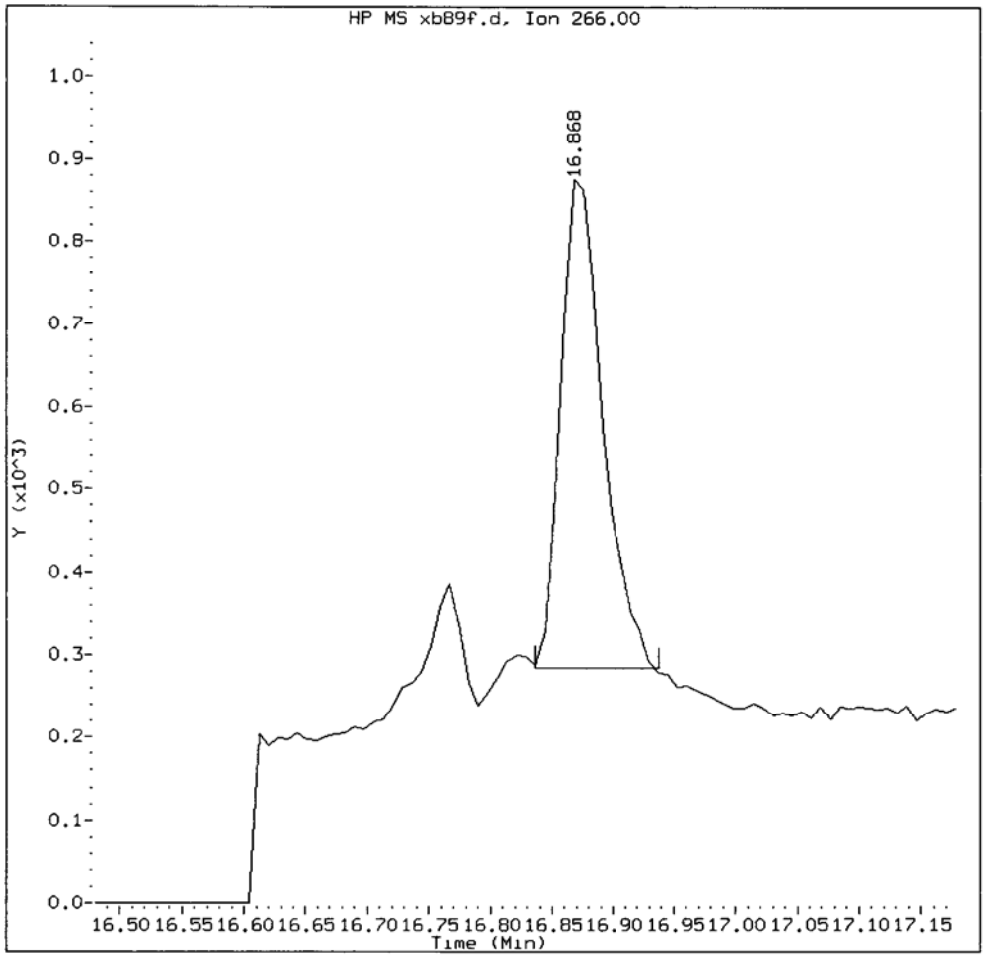
YZ 9/9/13



XB89:00968

XB89F, /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Pentachlorophenol Amount: 0.07 Area: 1404



MANUAL INTEGRATION for Pentachlorophenol

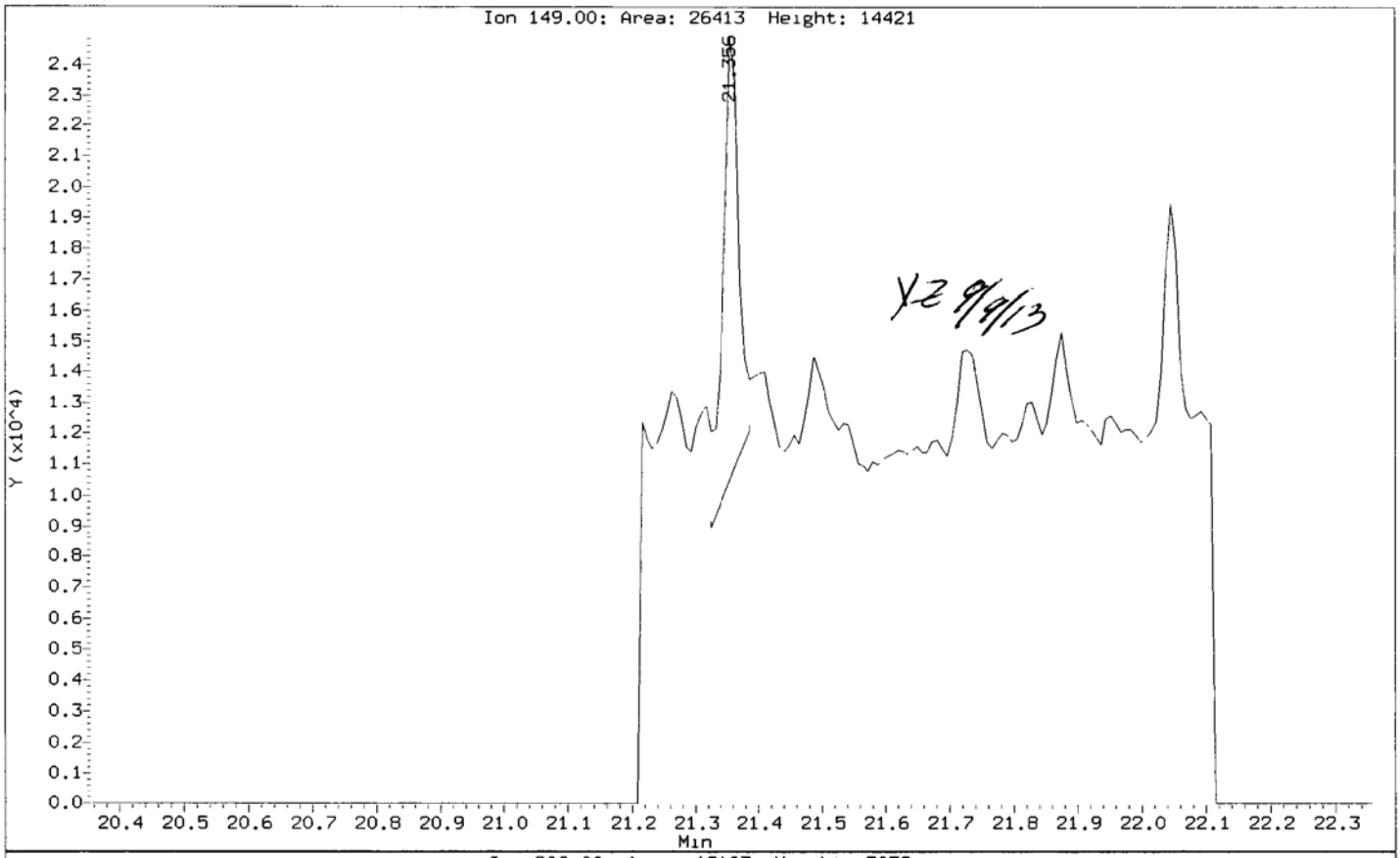
1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

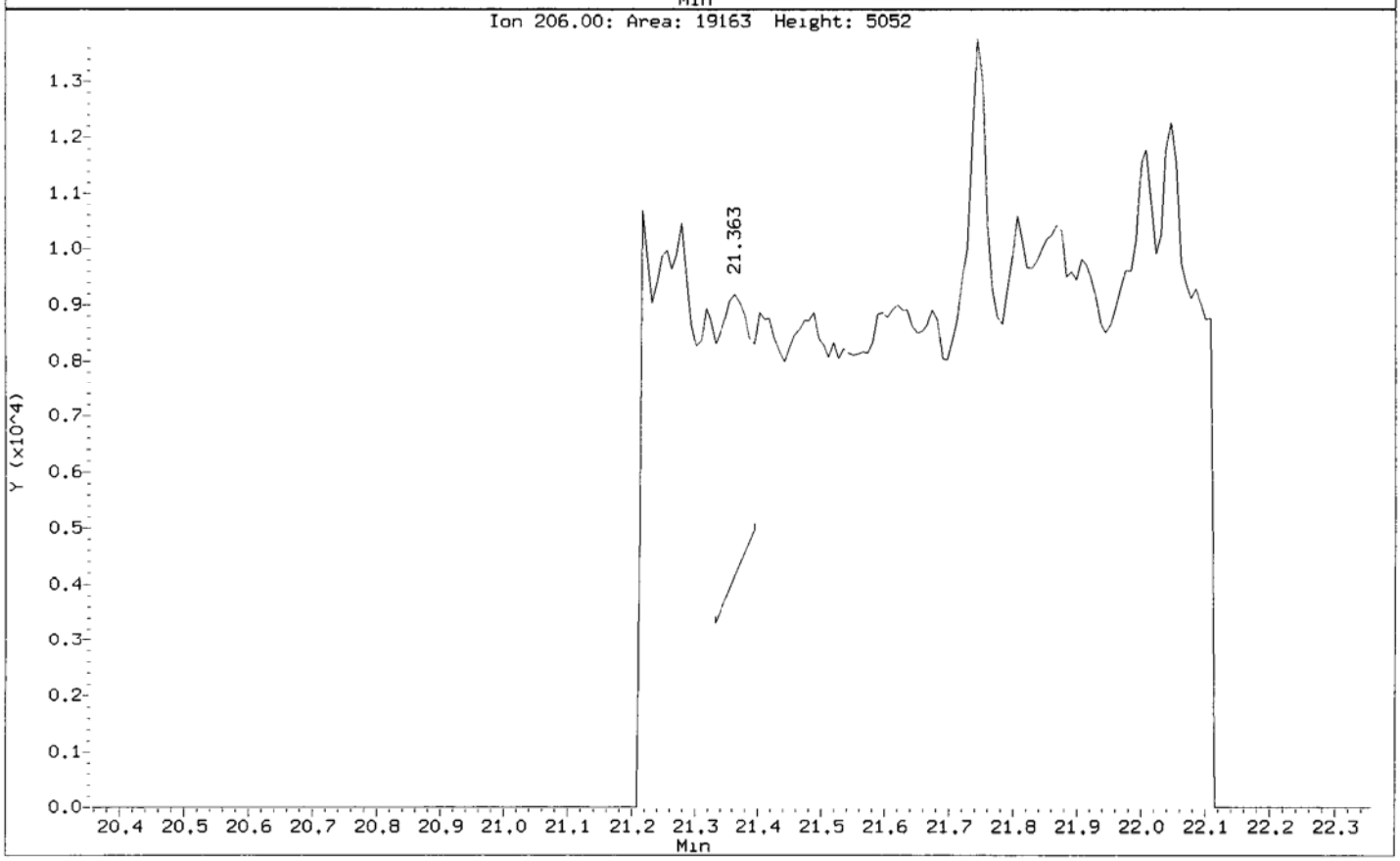
5. Other _____

Analyst: YZ Date: 9/9/13

Data File: /chem1/nt10.1/20130903.b/SIM.b/xb89f.d
Injection Date: 03-SEP-2013 13:38
Instrument: nt10.1
Client Sample ID: IJ13-VC-102-4-5.4

Compound: Butylbenzylphthalate
CAS Number: 85-68-7

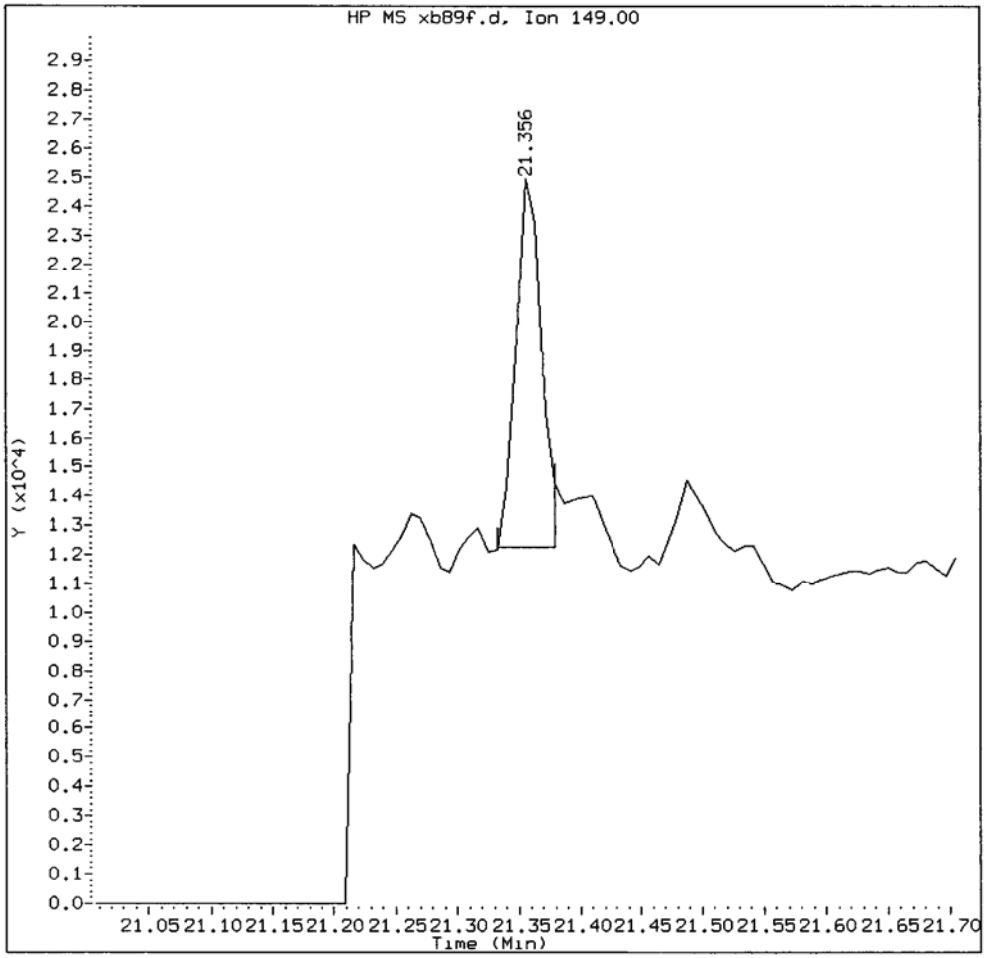




XB89 : 66976

XB89F, /chem1/nt10.i/20130903.b/SIM.b/xb89f.d

Butylbenzylphthalate Amount: 0.30 Area: 18583



MANUAL INTEGRATION for Butylbenzylphthalate

1. Baseline correction ✓
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: VZ Date: 9/9/13

CO-ELUTION SUMMARY FOR FILE - xb89f.d

Lab ID: XB89F, Method: SIM.b/SIMABN2.m, Instrument: nt10.i, Date: 03-SEP-2013

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Dioxin Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: XB89

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Dioxin / Furan Bench Sheet EPA Methods 8290A & 1613B
Solid Samples

ARI Job No(s) XB389

Matrix (circle one)	Soil	Sediment	Oil	Tissue
Extraction Method	Start Time/Date:		End Time/Date:	
Soxhlet	11:34	8/26/13	05:05	8/27/13

Reagent / Standard	NA	ID / Lot Number	Initials	Date
Analytical Balance		SN 24650344	PD	8/26/13
Purified Sand		I8025	PD	8/26/13
Toluene		I8265	PD	8/26/13
Hexane		B001097	PD	8/27/13
CH_2Cl_2		B000845	PD	8/28/13
H_2SO_4		I8362	PD	8/27/13
Na_2SO_4		B001342	PD	8/28/13
Glasswool		5/18/12	PD	8/28/13
10 % $AgNO_3$	✓			
Basic Silica		H167	PD	8/28/13
Acid Silica		H191	PD	8/28/13
0% Silica		I8035	PD	8/28/13
Activated Florisil		H127	PD	8/28/13
Dual Carbon Column	✓			
Other ( )	✓			
Nonane		I8116	PD	8/28/13

Bottle ID	ARI Sample ID	Sample Weight (eq to dry wt)	Roto Vap 45 °C	Final Vol.	H20 Trap Vol (mL)	Comments
8/26/13	XB389 MB	10.00g	(1) 1/2	10uL	0.7	
↓	↓ OPR	10.00g	1 (1/2)	10uL	0.7	
~~—~~	~~QLS~~	~~10.00g~~	~~1 / 2~~	~~10uL~~		
3	XB389 A	21.06	(1) 1/2	10uL	11.6	
↓	B	17.09	1 (1/2)	10uL	7.8	
↓	C	17.10	1 (1/2)	10uL	8.0	
2	D	15.88	(1) 1/2	10uL	6.0	
↓	E	17.63	1 (1/2)	10uL	8.0	
↓	F	16.41	(1) 1/2	10uL	5.8	
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
			1 / 2	10uL		
Prep Analyst/Date			PD 8/26/13	PD 8/27/13	PD 8/28/13	PD 8/27/13	

Reagent / Standard	Vol	ID / Lot Number	Solution Conc.	Expiration Date	Initials	Date	Witness
Recovery Standard	1.0 mL	B001375	2/4ng/mL	5/20/14	PDx2	8/26/13	PD
Ongoing Precision /Recovery	20 µL	2069-3	10/50/100ng/mL	7/6/14	PDx2	8/26/13	PD
~~QLS Standard~~	~~10 µL~~	~~211~~	~~0.5/2.5/5ng/mL~~				
Clean-up Standard	1.0 mL	B000394	0.8ng/mL	5/20/14	PDx2	8/28/13	PD
Internal Standard	10 µL		200ng/mL				

Supervisor Review: [signature] 8/28/13

Bench Sheet No.: 00070

Verify Client ID	
Analyst/Date	PD 8/26/13
Acid Clean	(Y)N
Analyst/Date	PD 8/27/13
Silica-Florisil	(Y)N
Analyst/Date	PD 8/28/13

XB389.SOX

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: XB89 Client ID: Anchor QEA, LLC

Parameter: Dioxin Client Project: I&J Waterway RI/FS

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☐ No Anomalies (standard soil/wet sediment/sand/gravel)=	
☒ Standing Water Decanted (Not shared)= A, B, C	YL 08/22/13
☐ Standing Water Homogenized (Shared samples)=	
☒ Clay/Clumps (Difficult to homogenize)= Like clay D, E, F	YL 08/22/13
☒ Rocks (%+size)? 20% small & med A, B, C, 45% small-med D, F	YL 08/22/13
☐ Organics (Leaves/sticks/grass)=	
☒ Oily, obvious fuel/sulfur odors= Sewage odor A, B, C, E,	YL 08/22/13
☒ Other (Details)= 45% Shell fragment C,	YL 08/22/13
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Other (Details)=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
(Centrifuge#1 used for all Centrifugations)	

3056F

Revision 009
08/14/12

Review: [signature] 8/28/13

XB89 : 00375

Dioxin Raw Data
Initial Calibration

ARI Job ID: XB89

Analytical Resources, Incorporated
Analytical Chemists and
Consultants

HR-GC/MS Analyst Notes / Data Review Checklist

ARI Work Order: _____ Client ID: _____

METHOD: **1613B** (Dioxins) **8290A** (Dioxins)

Instrument: **AutoSpec01** Dioxin Curve 7/18/13

Curve Date: 7/18/13 Analysis Start Date: _____

	REVIEW 1/REVIEW 2		REVIEW 1/REVIEW 2
Resolution Check > 10,000ppm	Y / N / _____	Signal / Noise ≥ 2.5?	Y / N / _____
TCDD / TCDF Resolution ≤ 25%	Y / N / _____	Extraction STD Limits Met?	Y / N / _____
PCDF Windows Verified	Y / N / _____	Cleanup STD Limits Met?	Y / N / _____
CCV Meets %D Limits?	Y / N / _____	Method Blank in Control?	Y / N / _____
CCV Ion Ratios within Limits?	Y / N / _____	OPR Recovery Limits Met?	Y / N / _____
CCV RRT within Limits?	Y / N / _____	Values Exceeding Curve Range?	Y / N / _____
Manual Integrations for Samples?	Y / N / _____	Samples Diluted?	Y / N / _____
Special Analysis Request?	Y / N / _____	Duplicate Sample RPD ≤ 25%?	NA / _____

Detail problems, corrective actions and/or other pertinent information below:

- TCDD/TCDF NOT used in CSL. 5 point curve, CS1 - CS5. All others 6 points, CSL - CS5.

- Man Int. for PF, HF, HpF in CSL.

(Review 1)Analyst: _____ Date: 7/19/13

(Review 2)Reviewer: _____ Date: _____

Analytical Resources Inc.: Organics Instrument Log

AutoSpec01 Serial No.:GC=CN10921030, MS=P764

Date: 7/18/13 Analysis: Dioxins Analyst: jlh

GC Program: 8290C Column No: I7822 Column Type: VF-Dioxin 2

Inj Vol: 1ul Instrument Tune (IPR): Dul1613_1-5 Detector Voltage: 350

Resolution Check Files: 10:39, 20:54 Curve Date: 7/18/13

IS/SS	Ical/Ccal	LCS/ICV
	I8145 - 8149	
I8144	I7708	I7383
	1997-2	
	I8155	

1	18-Jul-13	10:41:13	13071802	CS3WD	
2	18-Jul-13	11:40:00	13071803	ISC01	
3	18-Jul-13	12:34:52	13071804	CSL	
4	18-Jul-13	15:34:56	13071805	CS1	
5	18-Jul-13	16:25:18	13071806	CS2	
6	18-Jul-13	17:17:44	13071807	CS3	
7	18-Jul-13	18:09:59	13071808	CS4	
8	18-Jul-13	19:02:18	13071809	CS5	
9	18-Jul-13	19:54:25	13071810	ICV	
10	18-Jul-13	20:54:58	13071811	ISC02	

jlh 7/19/13

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks in StarLIMS

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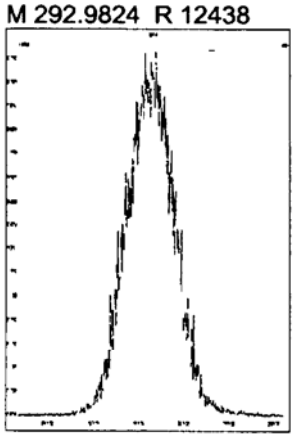
M 292.9824 R 12438



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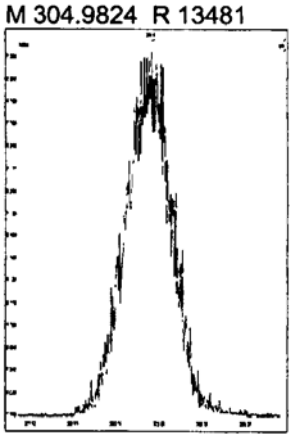

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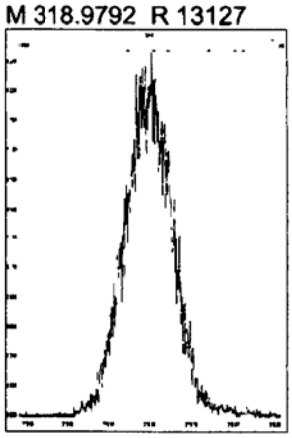

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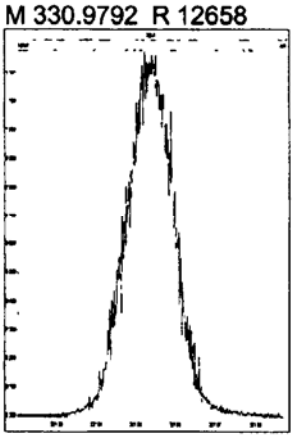

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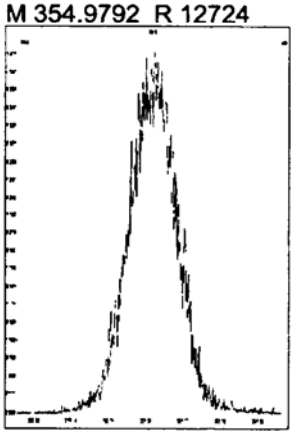

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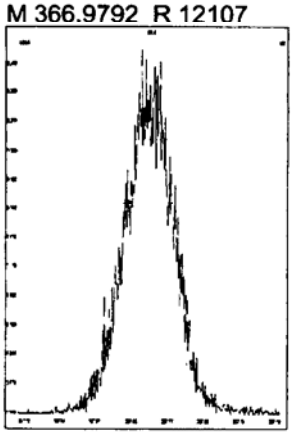

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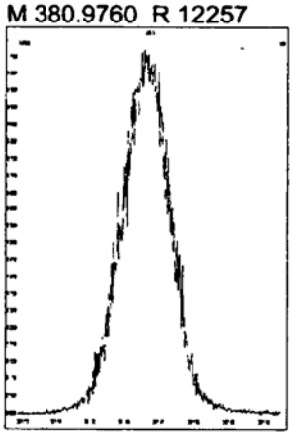

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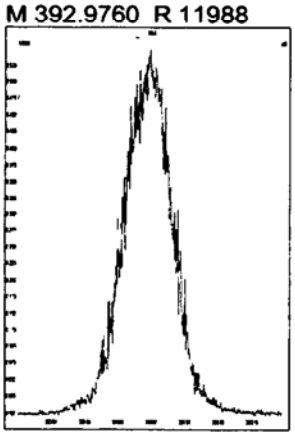

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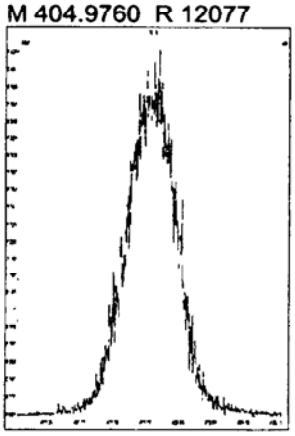

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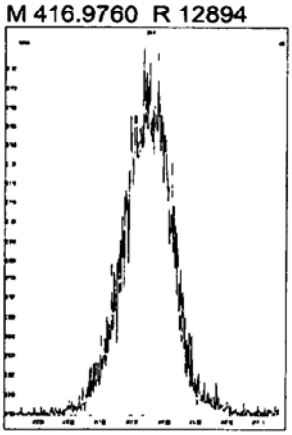

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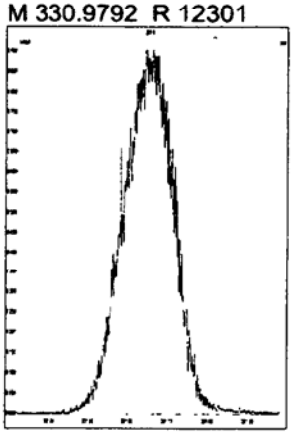

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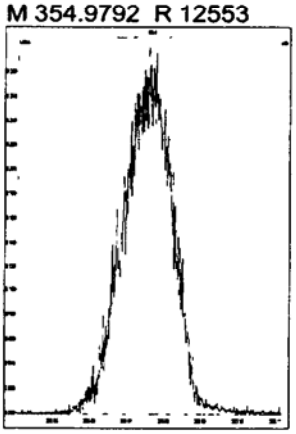

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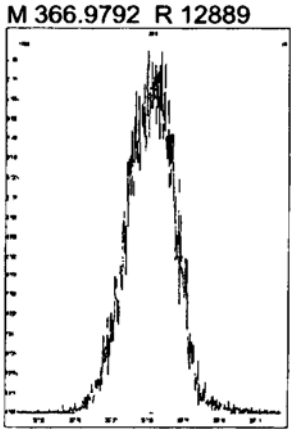

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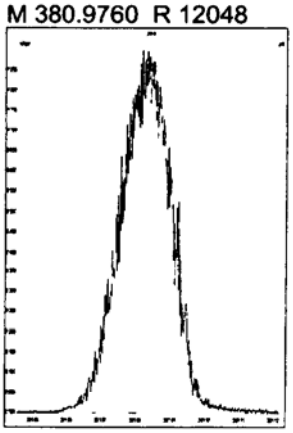

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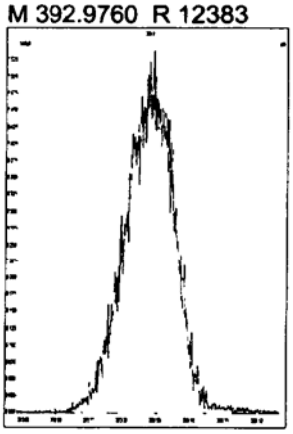

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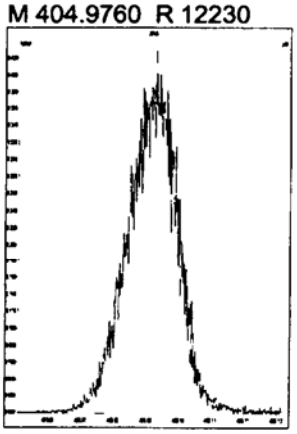

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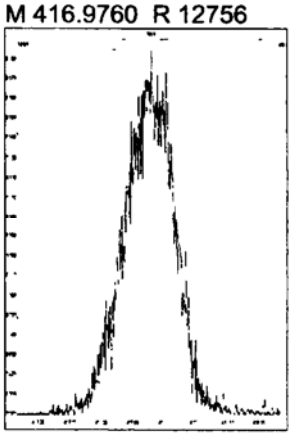

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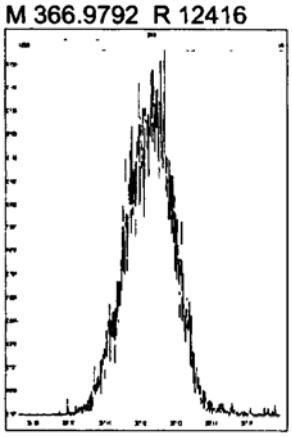

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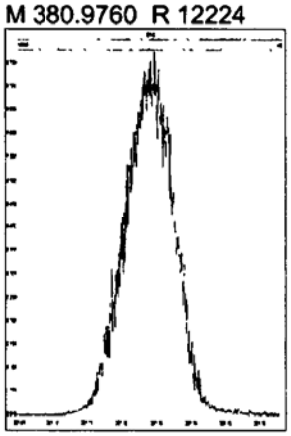

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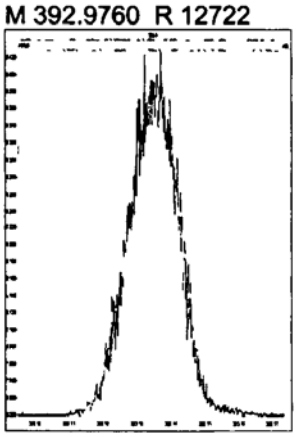

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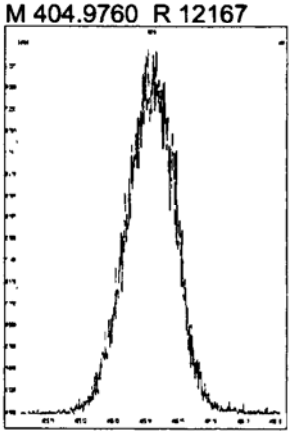

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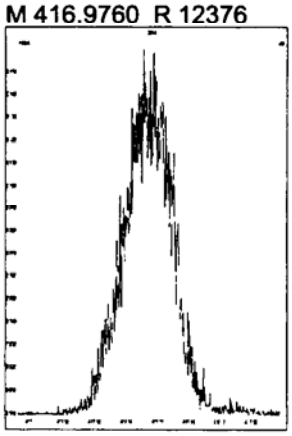

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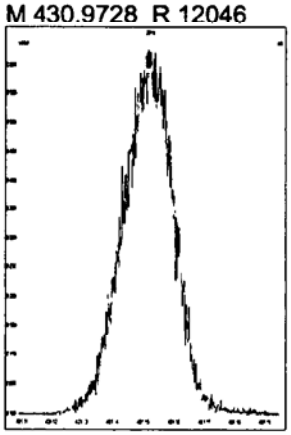

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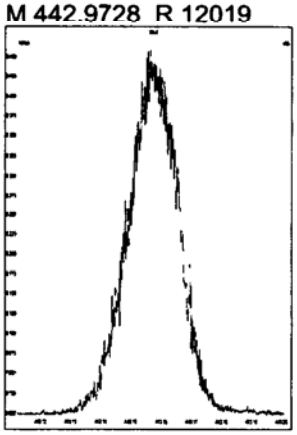

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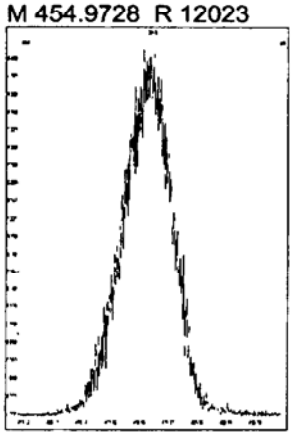

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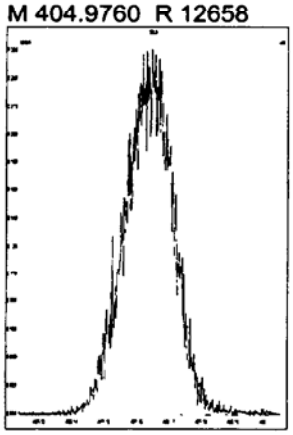

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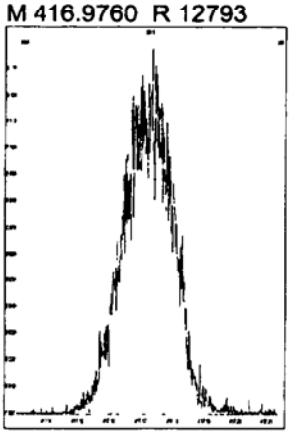

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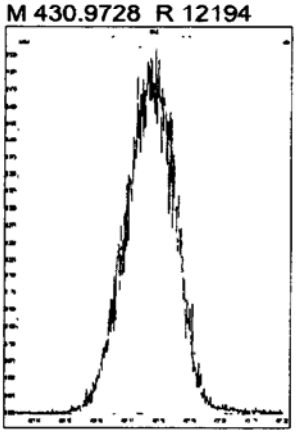

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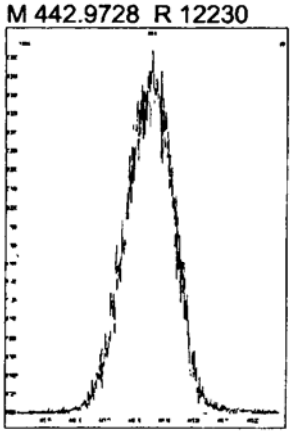

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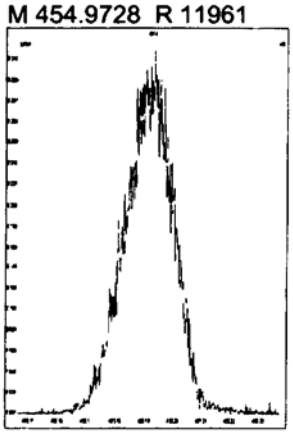

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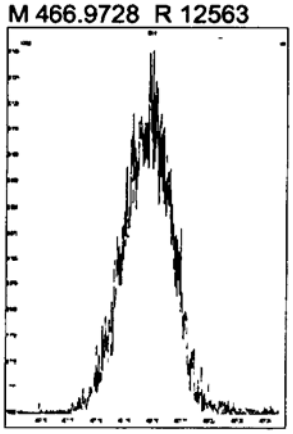

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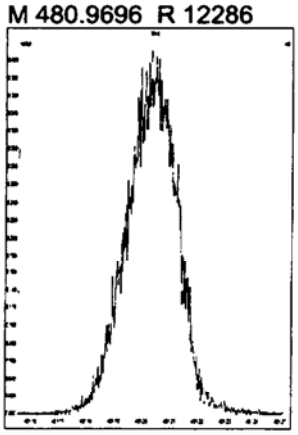

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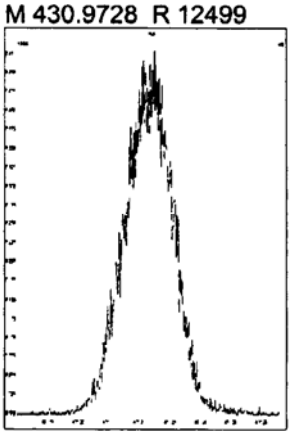

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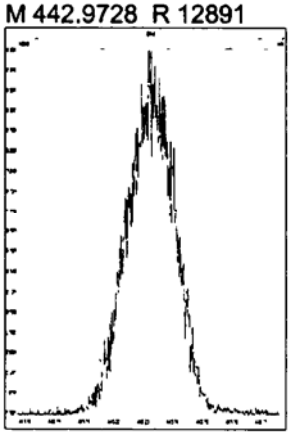

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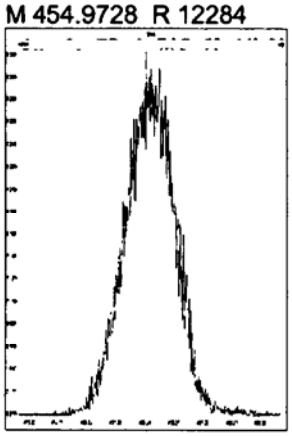

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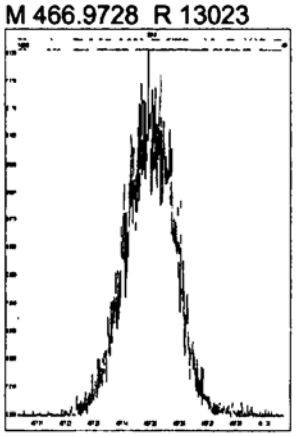
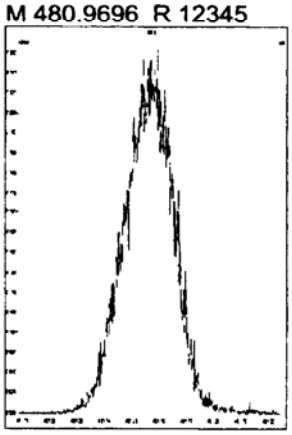
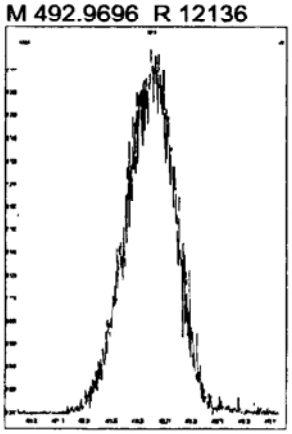


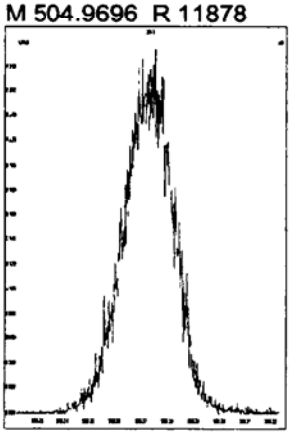
M 480.9696 R 12345



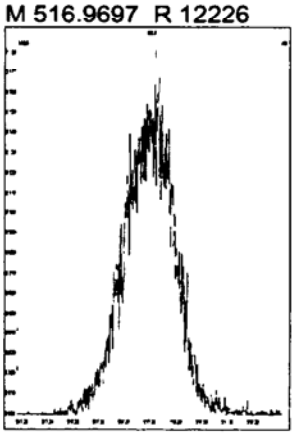
M 492.9696 R 12136



M 504.9696 R 11878



M 516.9697 R 12226



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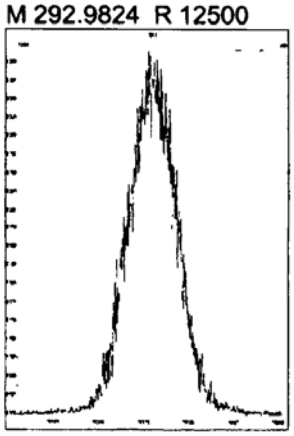
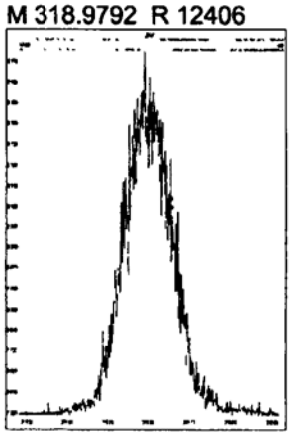
M 292.9824 R 12500

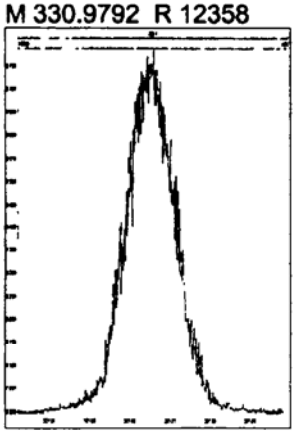


M 304.9824 R 12823

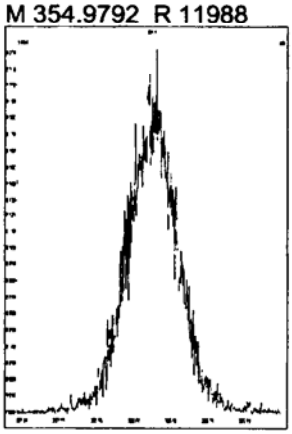
M 318.9792 R 12406



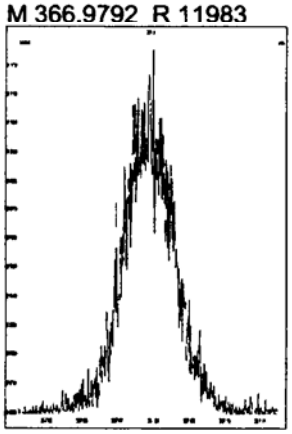
M 330.9792 R 12358



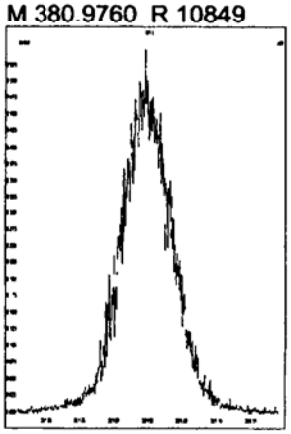
M 354.9792 R 11988



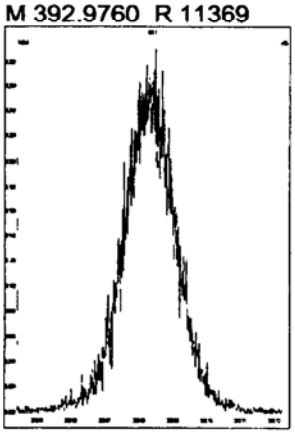
M 366.9792 R 11983



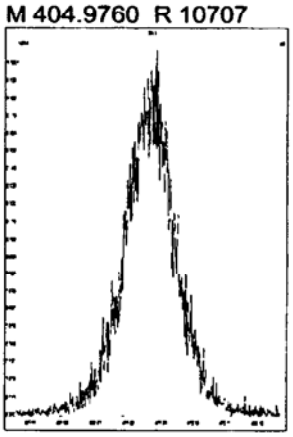
M 380.9760 R 10849



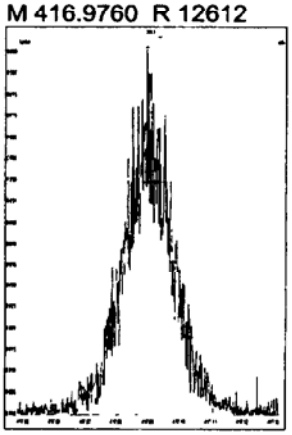
M 392.9760 R 11369



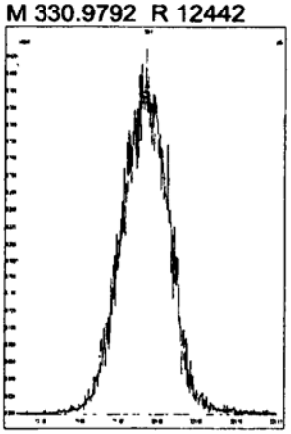
M 404.9760 R 10707



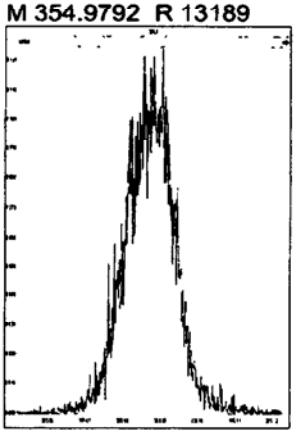
M 416.9760 R 12612



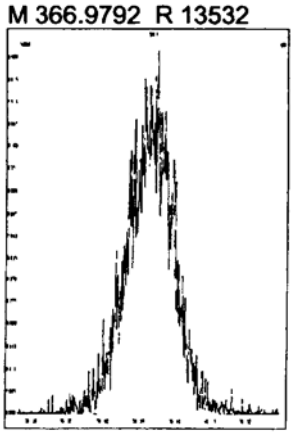
M 330.9792 R 12442



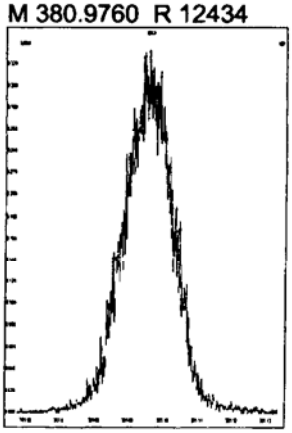
M 354.9792 R 13189



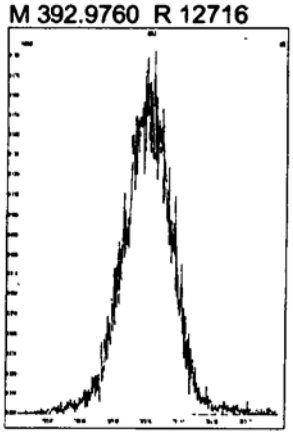
M 366.9792 R 13532



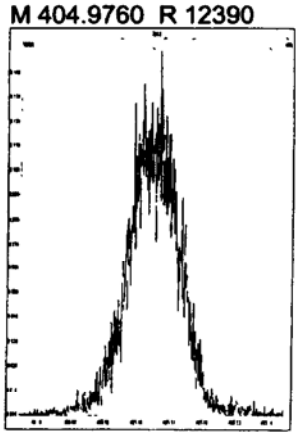
M 380.9760 R 12434



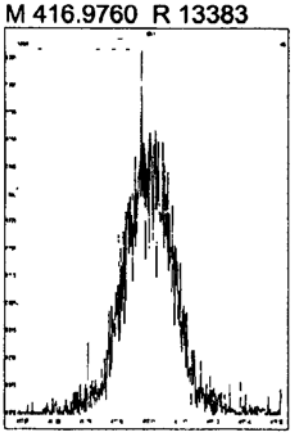
M 392.9760 R 12716



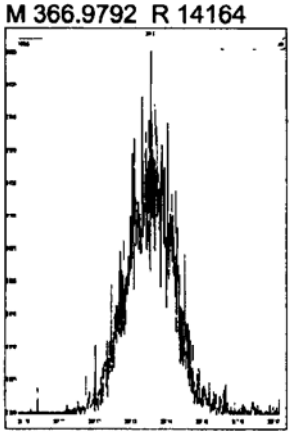
M 404.9760 R 12390



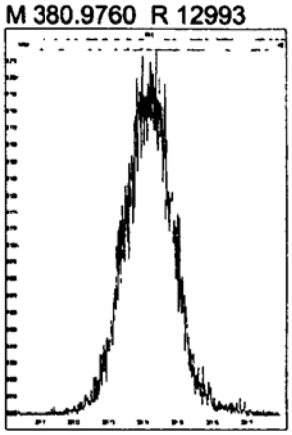
M 416.9760 R 13383



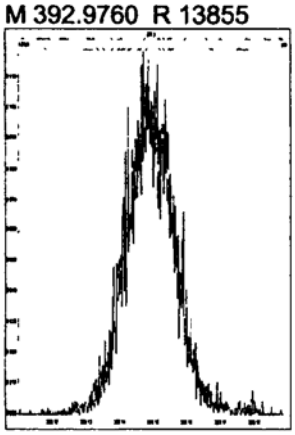
M 366.9792 R 14164



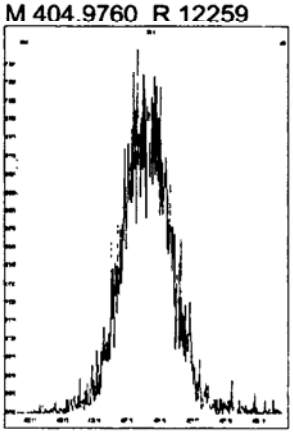
M 380.9760 R 12993



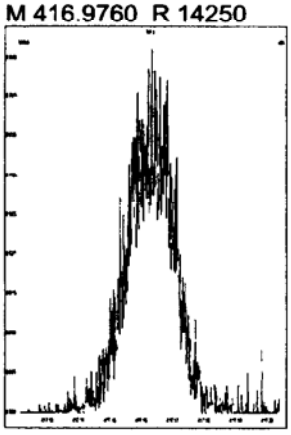
M 392.9760 R 13855



M 404.9760 R 12259

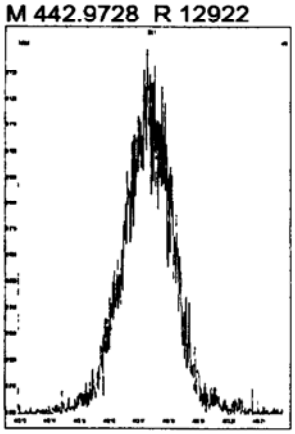


M 416.9760 R 14250

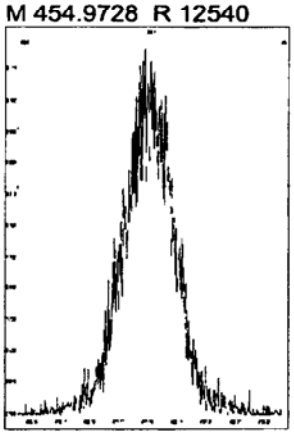


M 430.9728 R 12797

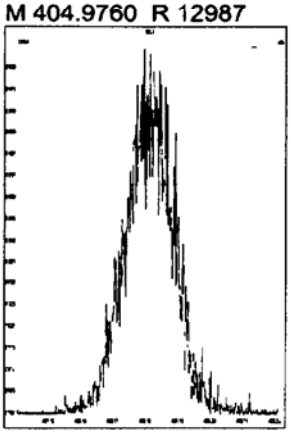
M 442.9728 R 12922



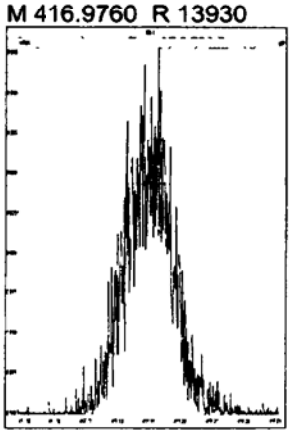
M 454.9728 R 12540



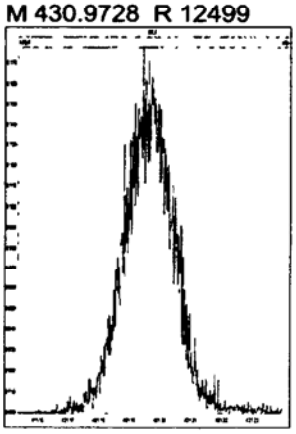
M 404.9760 R 12987



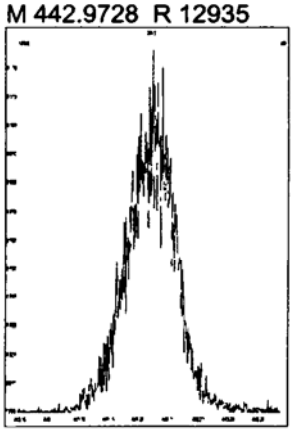
M 416.9760 R 13930



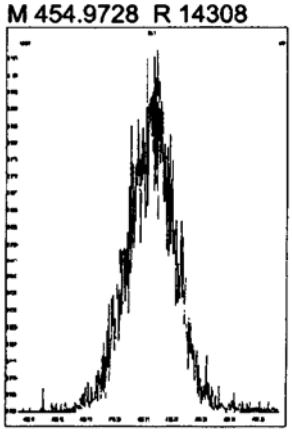
M 430.9728 R 12499



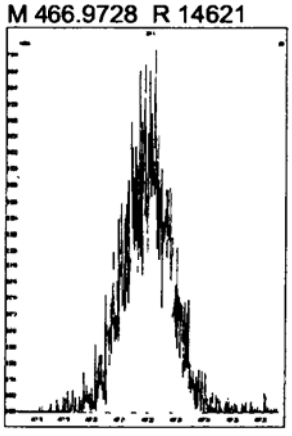
M 442.9728 R 12935



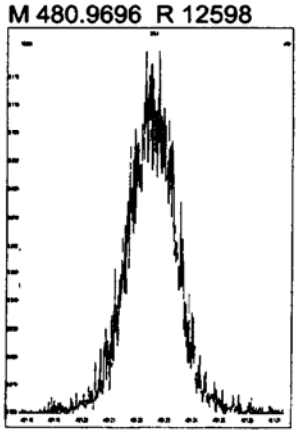
M 454.9728 R 14308



M 466.9728 R 14621



M 480.9696 R 12598



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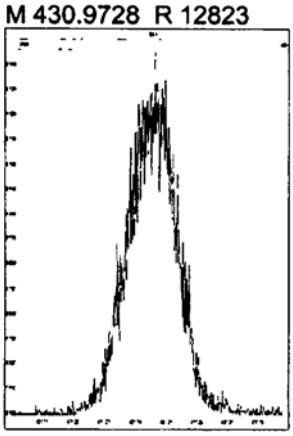
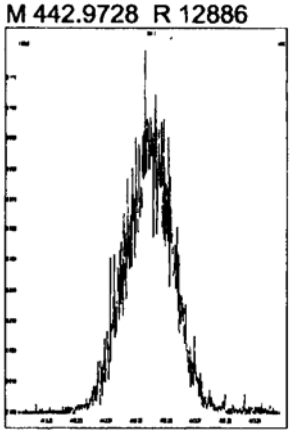
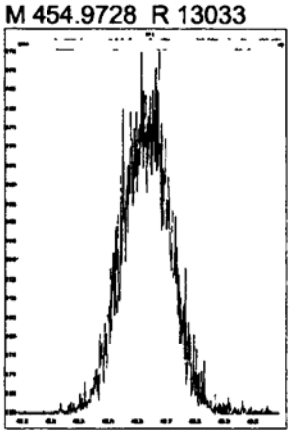
M 430.9728 R 12823



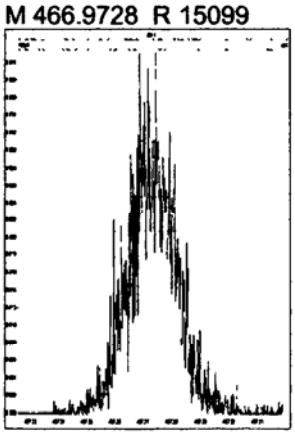
M 442.9728 R 12886



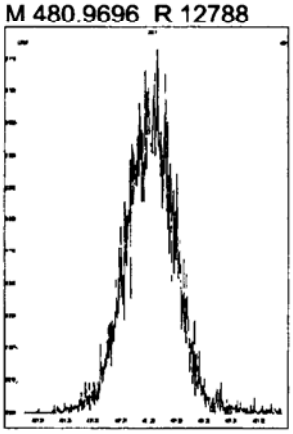
M 454.9728 R 13033



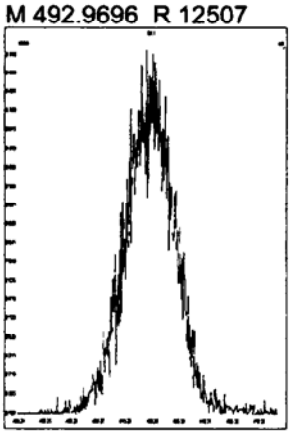
M 466.9728 R 15099



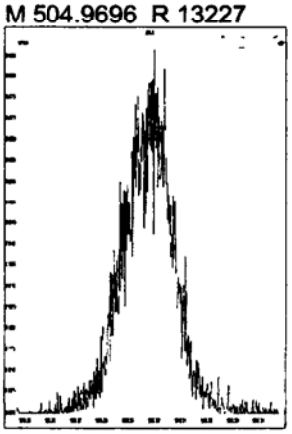
M 480.9696 R 12788



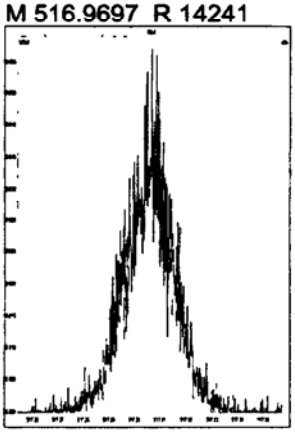
M 492.9696 R 12507

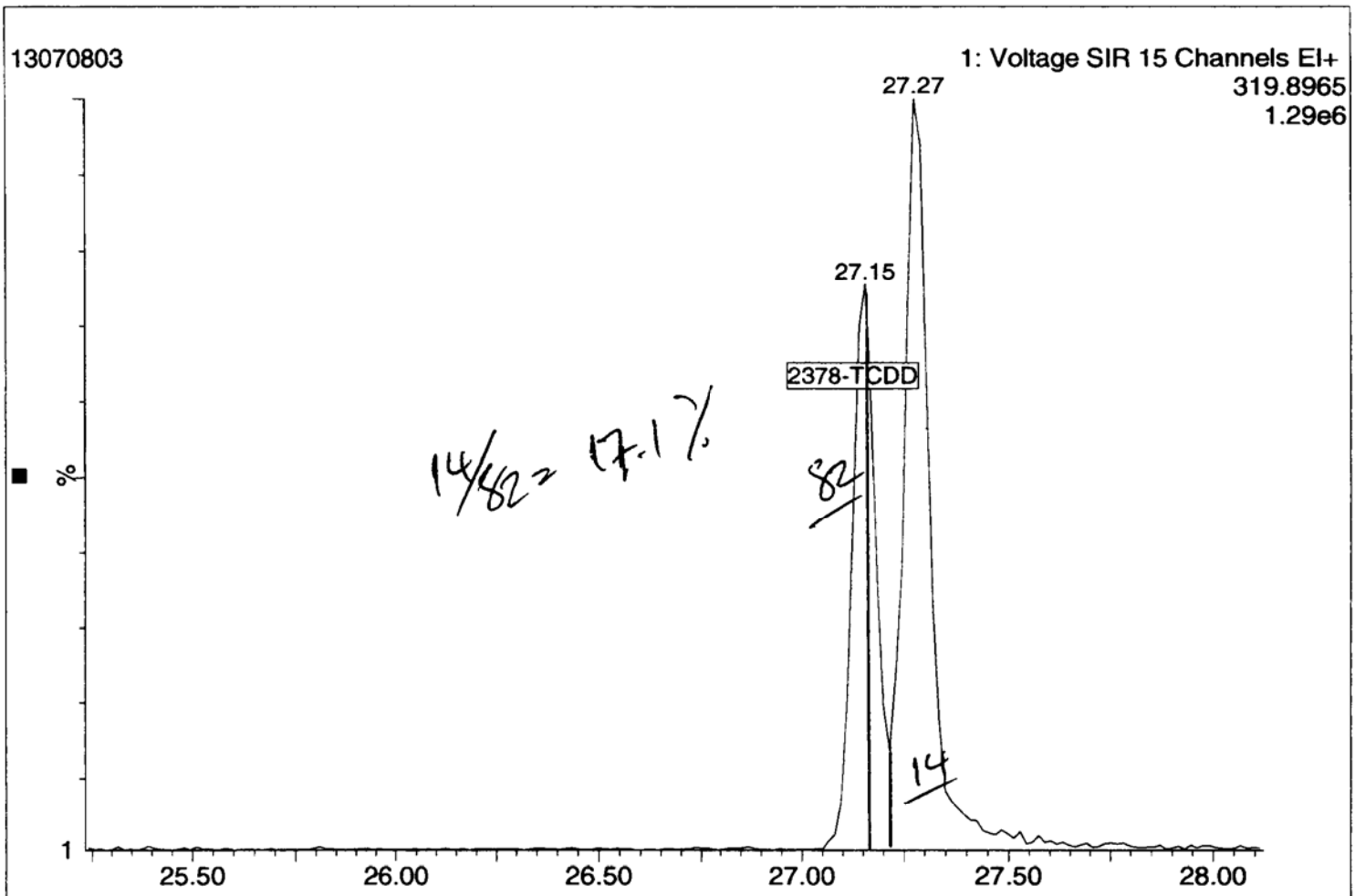


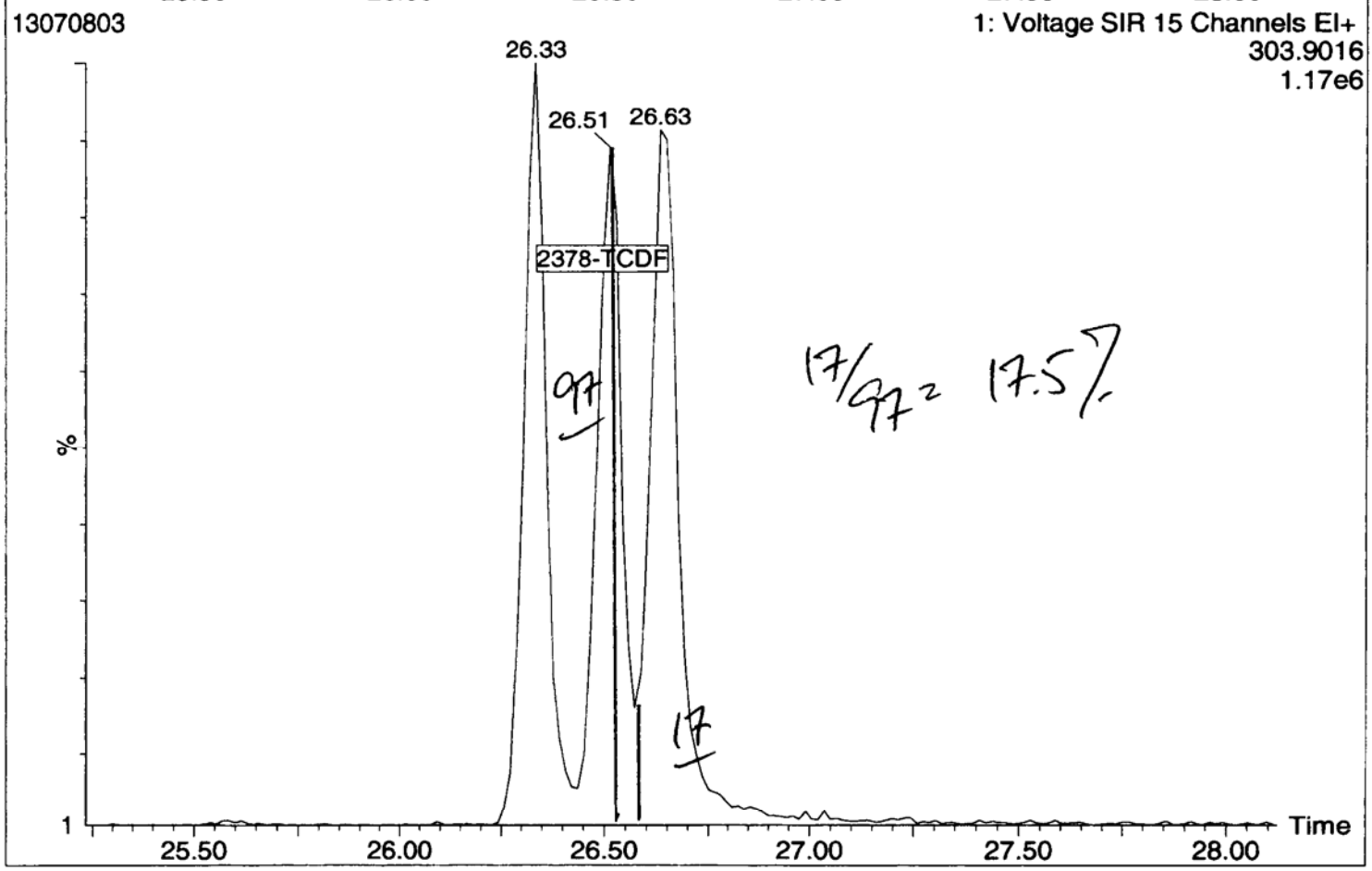
M 504.9696 R 13227

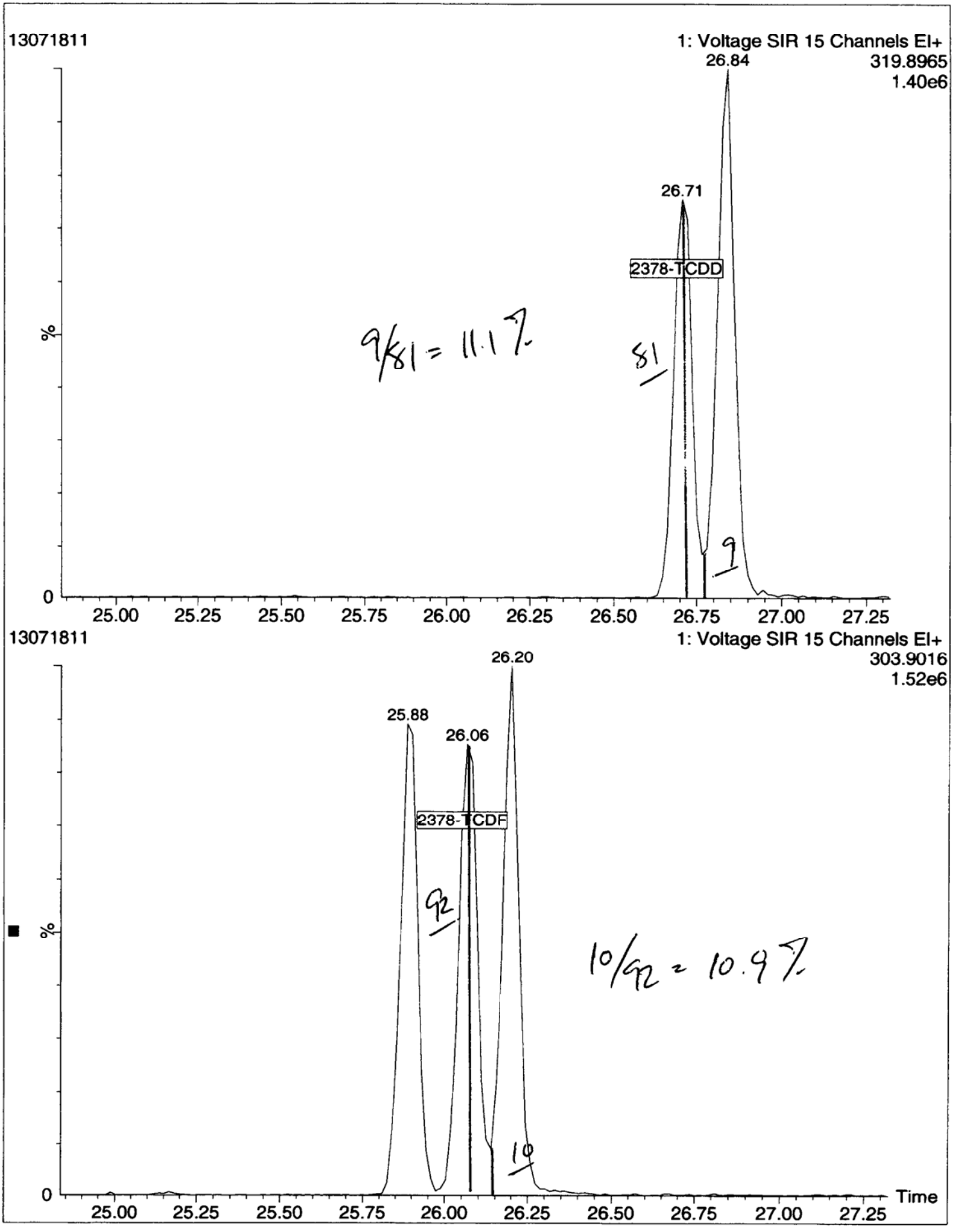


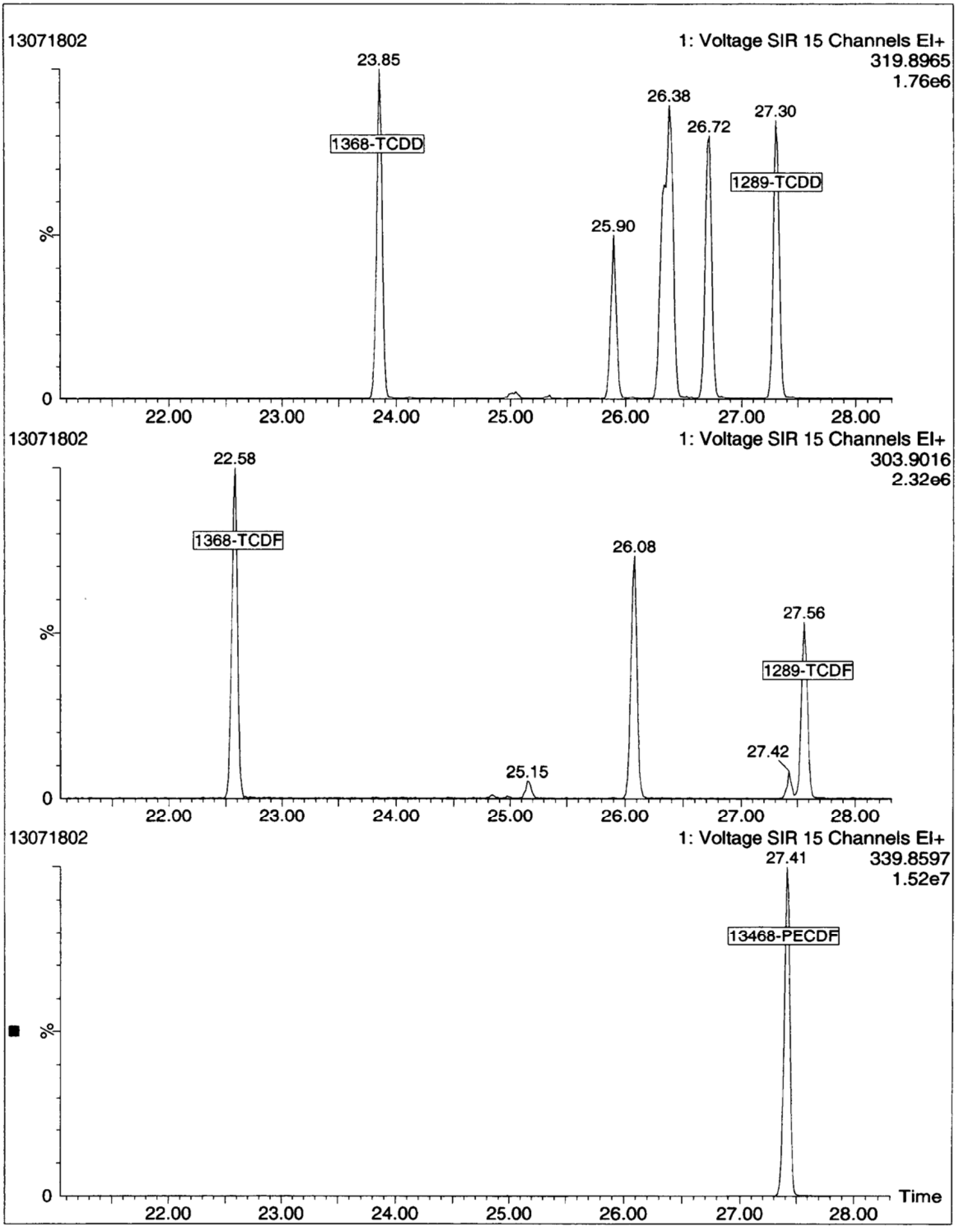
M 516.9697 R 14241



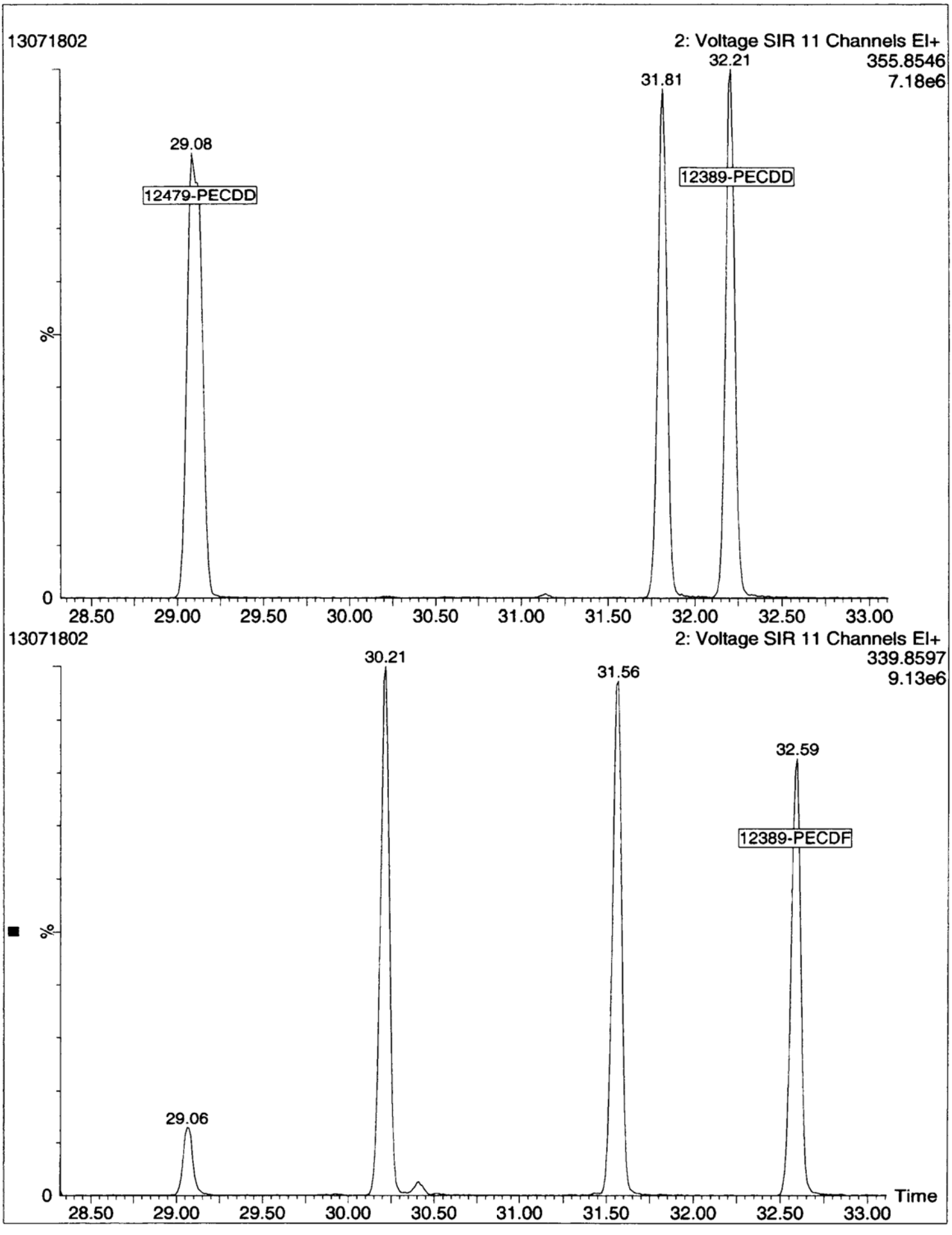

13070803
1: Voltage SIR 15 Channels EI+
319.8965
1.29e6
27.27
27.15
2378-TCDD
14/82 = 17.1%
82
14
%
1
25.50
26.00
26.50
27.00
27.50
28.00

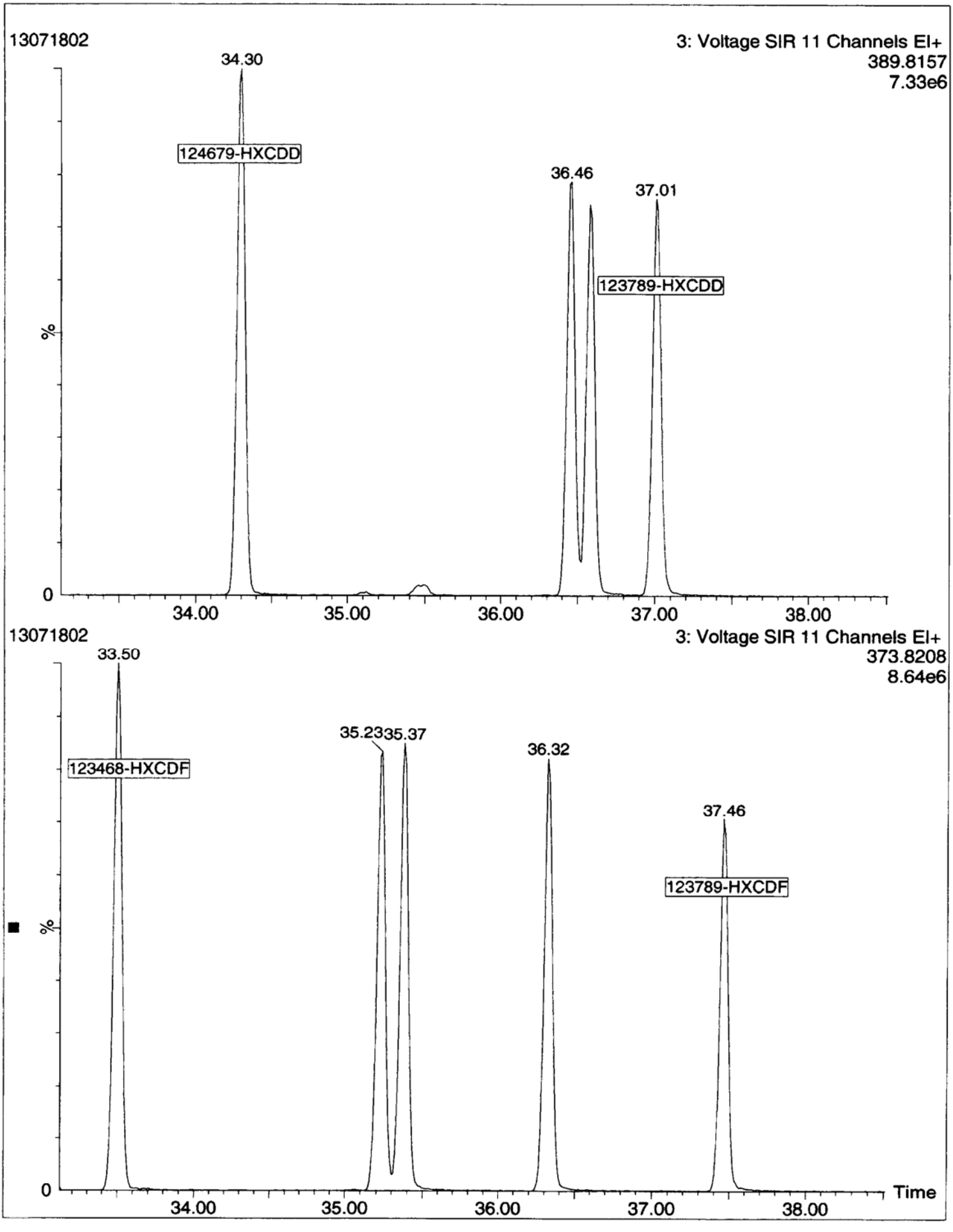

13070803
1: Voltage SIR 15 Channels EI+
303.9016
1.17e6
26.33
26.51
26.63
2378-TCDF
97
17
17/97 = 17.5%
%
1
Time
25.50
26.00
26.50
27.00
27.50
28.00

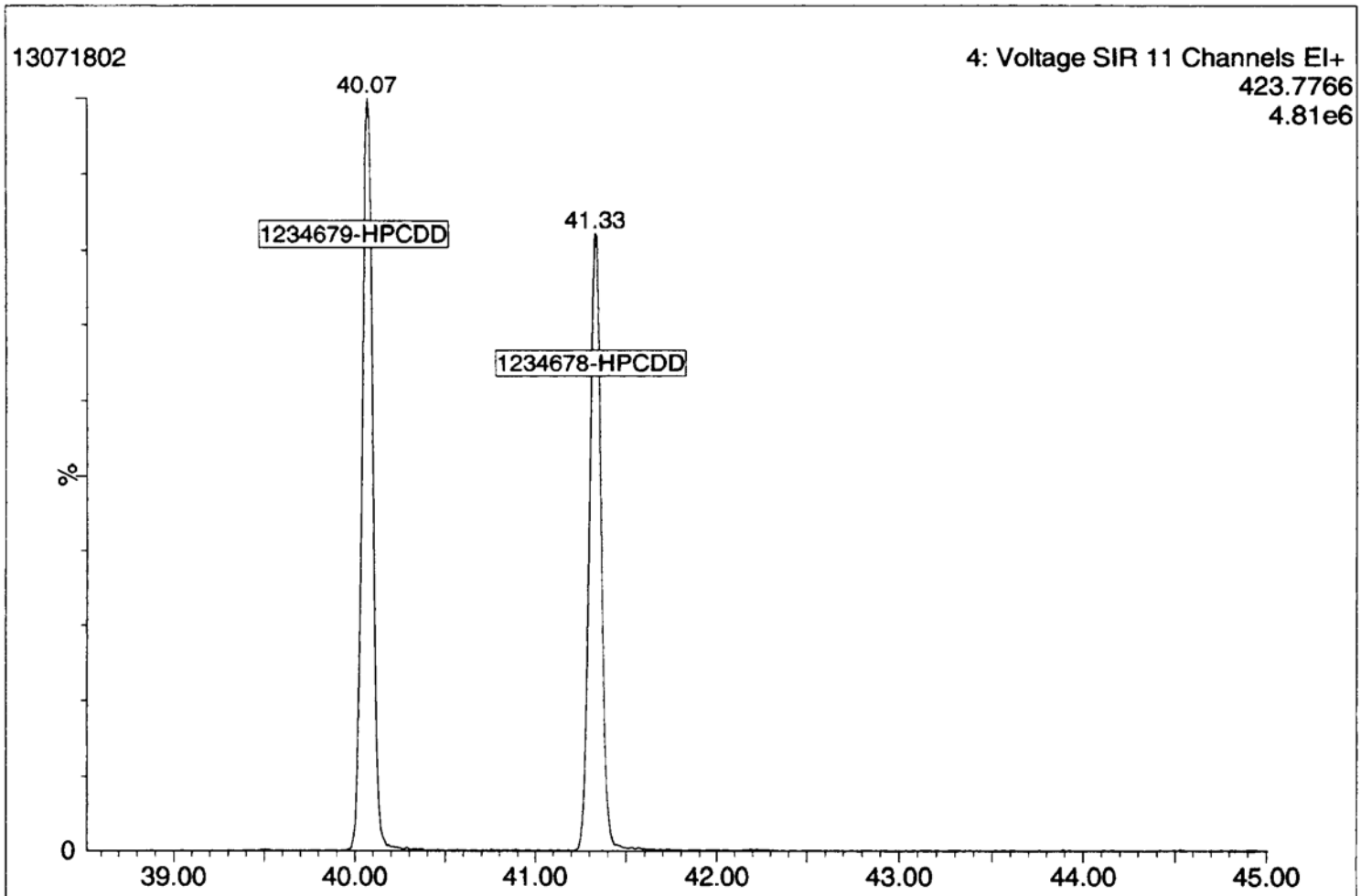

13071811
1: Voltage SIR 15 Channels EI+
26.84
319.8965
1.40e6
26.71
2378-TCDD
9/81 = 11.1%
81
9
%
0
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00
27.25
13071811
1: Voltage SIR 15 Channels EI+
303.9016
1.52e6
26.20
25.88
26.06
2378-TCDF
92
10/92 = 10.9%
10
%
0
Time
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00
27.25

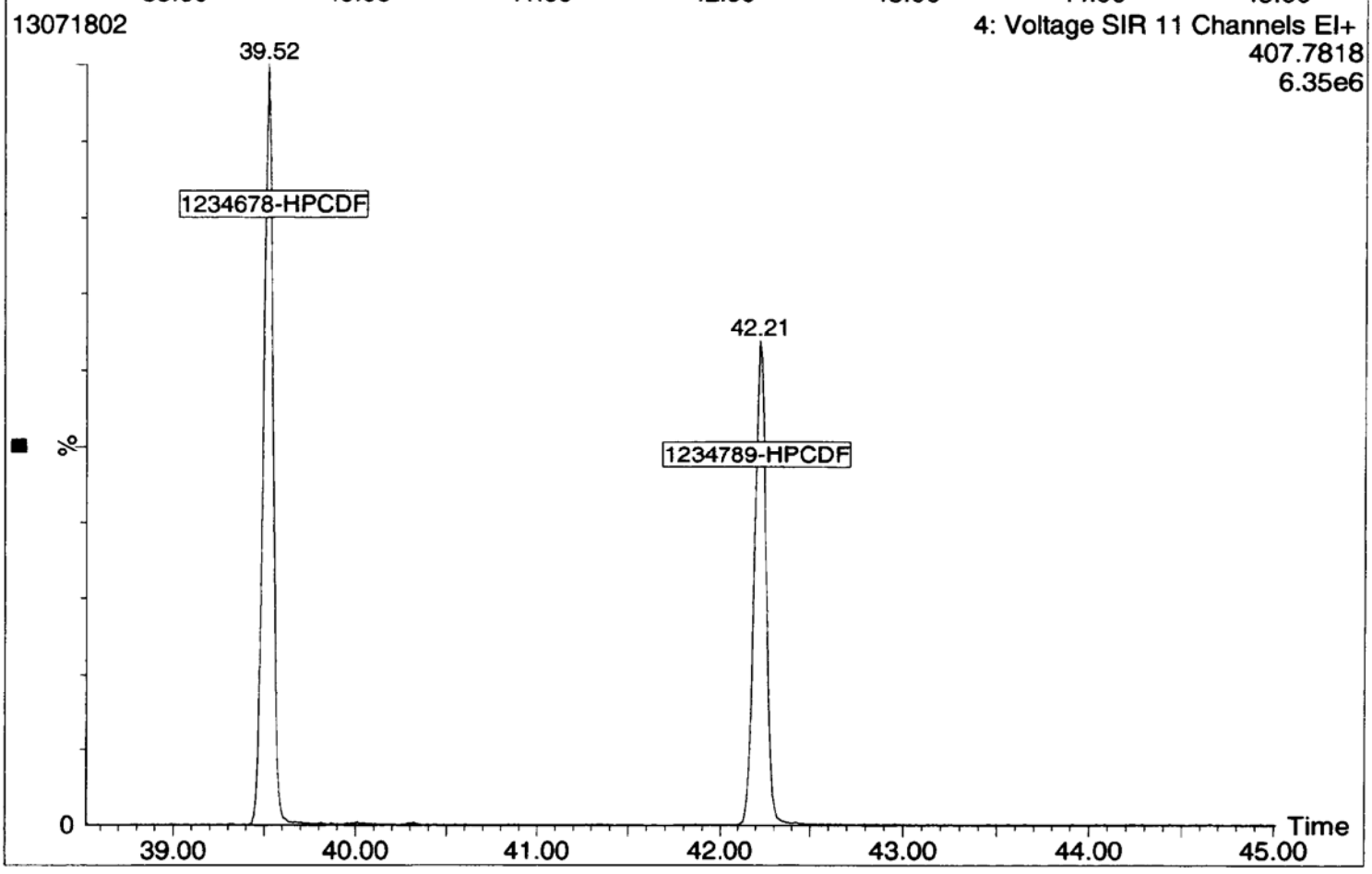

13071802
1: Voltage SIR 15 Channels EI+
319.8965
1.76e6
23.85
1368-TCDD
26.38
26.72
27.30
1289-TCDD
25.90
%
0
22.00
23.00
24.00
25.00
26.00
27.00
28.00
13071802
1: Voltage SIR 15 Channels EI+
303.9016
2.32e6
22.58
1368-TCDF
26.08
27.56
1289-TCDF
27.42
25.15
%
0
22.00
23.00
24.00
25.00
26.00
27.00
28.00
13071802
1: Voltage SIR 15 Channels EI+
339.8597
1.52e7
27.41
13468-PECDF
%
0
Time
22.00
23.00
24.00
25.00
26.00
27.00
28.00

XB89 : 00987


13071802
2: Voltage SIR 11 Channels EI+
355.8546
7.18e6
29.08
12479-PECDD
31.81
32.21
12389-PECDD
%
0
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50
33.00
13071802
2: Voltage SIR 11 Channels EI+
339.8597
9.13e6
30.21
31.56
32.59
12389-PECDF
29.06
%
0
Time
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50
33.00


13071802
3: Voltage SIR 11 Channels EI+
389.8157
7.33e6
34.30
124679-HXCDD
36.46
37.01
123789-HXCDD
%
0
34.00
35.00
36.00
37.00
38.00
13071802
3: Voltage SIR 11 Channels EI+
373.8208
8.64e6
33.50
123468-HXCDF
35.23
35.37
36.32
37.46
123789-HXCDF
%
0
Time
34.00
35.00
36.00
37.00
38.00


13071802
4: Voltage SIR 11 Channels EI+
423.7766
4.81e6
40.07
1234679-HPCDD
41.33
1234678-HPCDD
%
0
39.00
40.00
41.00
42.00
43.00
44.00
45.00


13071802
4: Voltage SIR 11 Channels EI+
407.7818
6.35e6
39.52
1234678-HPCDF
42.21
1234789-HPCDF
%
0
Time
39.00
40.00
41.00
42.00
43.00
44.00
45.00

antify Audit Report MassLynx 4.1 SCN 714
aset: P:\DIOXIN8290.PRO\130718IC.qld
t Altered: Friday, July 19, 2013 09:35:21 Pacific Daylight Time
ited: Friday, July 19, 2013 10:13:35 Pacific Daylight Time

Process Extract		
Process Integrate		
Process Calibrate		
Process Quantify		
Dataset Created		
Pre modification peak	Sample:13071804, Compound:HF, RT:37.455	1
Peak modified	Sample:13071804, Compound:HF, RT:37.455	1
Pre modification peak	Sample:13071804, Compound:HPF, RT:39.516	1
Peak modified	Sample:13071804, Compound:HPF, RT:39.516	1
Pre modification peak	Sample:13071804, Compound:HPF, RT:39.516	1
Peak modified	Sample:13071804, Compound:HPF, RT:39.516	1
Pre modification peak	Sample:13071804, Compound:PF, RT:31.548	1
Peak modified	Sample:13071804, Compound:PF, RT:31.548	1
Pre modification peak	Sample:13071804, Compound:HPF, RT:42.212	1
Peak modified	Sample:13071804, Compound:HPF, RT:42.212	1
Dataset Saved	Saved to 'P:\DIOXIN8290.PRO\130718IC.qld'	
Calibration Saved	Saved to 'P:\DIOXIN8290.PRO\CurveDB\130718ICAL.cdb'	
Dataset Saved	Saved to 'P:\DIOXIN8290.PRO\130718IC.qld'	

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

2378-TCDF					0.867		0.770				
12378-PeCDF	30.189	1.000	6.02e3	4.12e3	0.875	1.461	1.550	100.1	NO	0.509	0.509
23478-PeCDF	31.548	1.000	5.77e3	3.67e3	0.880	1.574	1.550	103.1	NO	0.489	0.489
123478-HxCDF	35.220	1.001	4.86e3	4.57e3	1.048	1.064	1.240	71.2	NO	0.521	0.521
234678-HxCDF	36.315	1.001	5.06e3	3.92e3	1.088	1.289	1.240	70.3	NO	0.469	0.469
123678-HxCDF	35.373	1.001	5.02e3	4.31e3	1.025	1.166	1.240	69.2	NO	0.507	0.507
123789-HxCDF	37.455	1.000	4.40e3	3.17e3	0.959	1.389	1.240	70.7	NO	0.491	0.491
1234678-HpCDF	39.516	1.001	4.08e3	4.40e3	1.215	0.927	1.050	84.0	NO	0.484	0.484
1234789-HpCDF	42.212	1.000	3.46e3	3.23e3	1.200	1.073	1.050	53.8	NO	0.486	0.486
OCDF	47.528	1.007	5.48e3	6.37e3	1.064	0.861	0.890	62.2	NO	1.014	1.014
2378-TCDD					0.994		0.770				
12378-PeCDD	31.800	1.001	4.76e3	2.85e3	0.976	1.668	1.550	54.1	NO	0.526	0.526
123478-HxCDD	36.447	1.000	3.80e3	2.93e3	0.967	1.297	1.240	74.5	NO	0.487	0.487
123678-HxCDD	36.578	1.001	3.71e3	3.11e3	0.902	1.193	1.240	79.0	NO	0.513	0.513
123789-HxCDD	37.006	1.012	3.64e3	3.01e3	0.914	1.211	1.240	67.0	NO	0.501	0.501
1234678-HpCDD	41.324	1.001	3.45e3	3.10e3	0.999	1.114	1.050	48.5	NO	0.521	0.521
OCDD	47.232	1.001	4.99e3	5.90e3	0.979	0.846	0.890	29.1	NO	1.013	1.013
13C-2378-TCDF	26.048	1.007	1.30e6	1.67e6	1.419	0.777	0.770	5391.2	NO		104.484
13C-12378-PeCDF	30.178	1.167	1.39e6	8.88e5	1.158	1.564	1.550	6838.8	NO		98.252
13C-23478-PeCDF	31.537	1.219	1.34e6	8.55e5	1.127	1.565	1.550	6634.5	NO		97.319
13C-123478-HxCDF	35.197	0.952	5.90e5	1.14e6	1.206	0.518	0.510	4561.2	NO		97.320
13C-123678-HxCDF	35.351	0.956	6.18e5	1.18e6	1.266	0.526	0.510	4900.7	NO		96.359
13C-234678-HxCDF	36.293	0.981	5.98e5	1.16e6	1.155	0.515	0.510	4659.6	NO		103.533
13C-123789-HxCDF	37.444	1.012	5.50e5	1.06e6	1.121	0.520	0.510	4295.3	NO		97.573
13C-1234678-HpCDF	39.494	1.068	4.44e5	9.99e5	1.040	0.444	0.440	4645.6	NO		94.381
13C-1234789-HpCDF	42.201	1.141	3.53e5	7.95e5	0.789	0.444	0.440	3206.6	NO		98.882
13C-1234-TCDD	25.868	0.000	8.77e5	1.12e6	1.000	0.781	0.770	3695.4	NO		100.000
13C-2378-TCDD	26.675	1.031	8.46e5	1.10e6	0.962	0.772	0.770	3507.9	NO		100.924
13C-12378-PeCDD	31.778	1.228	9.08e5	5.76e5	0.746	1.577	1.550	7512.6	NO		99.319
13C-123478-HxCDD	36.436	0.985	8.03e5	6.28e5	1.003	1.278	1.240	5081.3	NO		96.996
13C-123678-HxCDD	36.556	0.988	8.12e5	6.63e5	1.052	1.225	1.240	4993.3	NO		95.354
13C-1234678-HpCDD	41.303	1.117	6.44e5	6.14e5	0.880	1.049	1.050	4540.0	NO		97.178
13C-OCDD	47.205	1.276	1.03e6	1.16e6	0.775	0.886	0.890	5435.7	NO		192.773

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

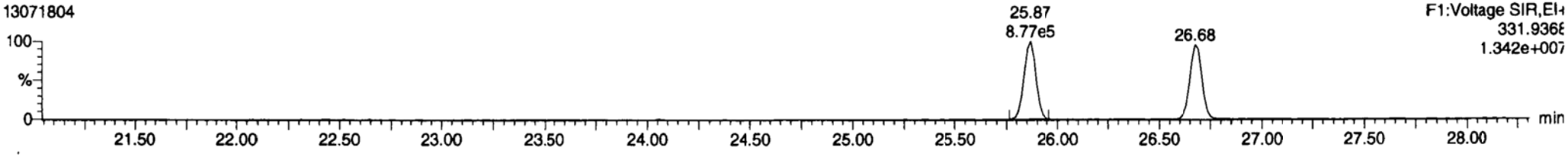
13C-123789-HxCDD	36.984	0.000	8.12e5	6.59e5	1.000	1.232	1.240	4995.2	NO		100.000
Total-tetrafurans			0.00e0		0.867						
Total-penta1			0.00e0								
Total-pentafurans			1.18e4		0.877						0.999
Total-hexafurans			1.93e4		1.030						1.989
Total-heptafurans			7.54e3		1.207						0.970
Total-Furans			4.42e4		1.022						4.971
Total-tetradioxins			0.00e0		0.994						
Total-pentadioxins			5.12e3		0.976						0.557
Total-hexadioxins			1.12e4		0.928						1.500
Total-heptadioxins			3.45e3		0.999						0.521
Total-Dioxins			2.47e4		0.962						3.591
Total-TEQ			6.89e4								8.562
37CL-2378-TCDD	26.705	1.032	2.33e3		1.091			22.5			0.107
FUNCTION1 PFK			6.54e7								
FUNCTION2 PFK			0.00e0								
FUNCTION3 PFK			1.56e7								0.000
FUNCTION4 PFK			1.34e6								
FUNCTION5 PFK			0.00e0								
FUNCTION1 HXCDPE			0.00e0								
FUNCTION1 HPCDPE			1.09e3								0.000
FUNCTION2 HPCDPE			3.24e2								0.000
FUNCTION3 OCDPE			8.74e1								0.000
FUNCTION4 NCDPE			9.61e1								0.000
FUNCTION5 DCDPE			0.00e0								

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

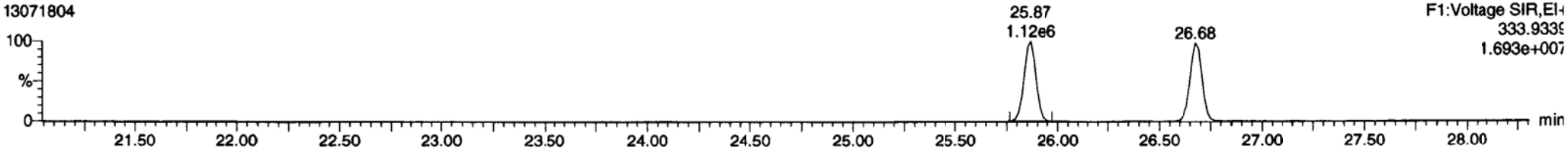
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

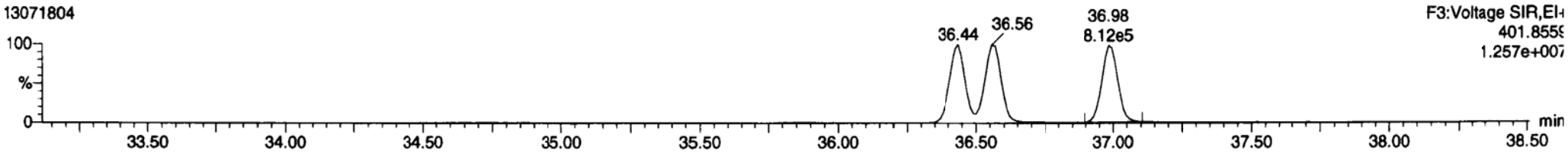
13C-1234-TCDD



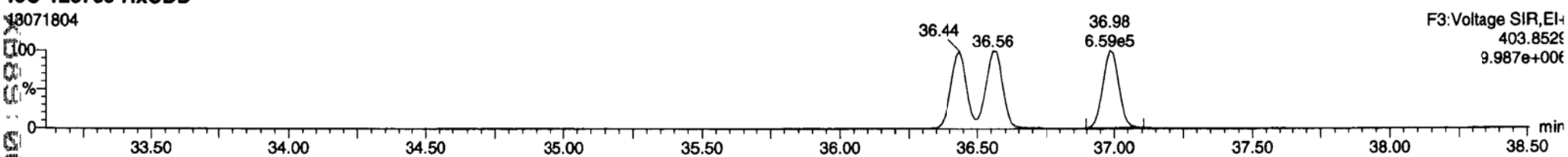
13C-1234-TCDD



13C-123789-HxCDD



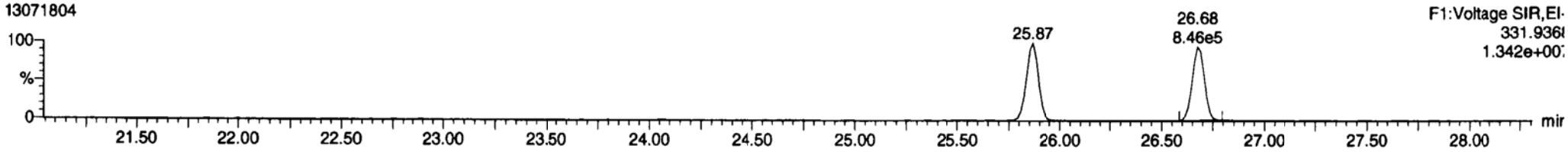
13C-123789-HxCDD



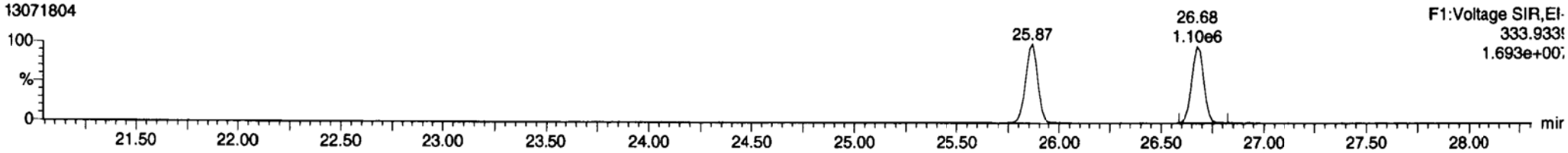
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

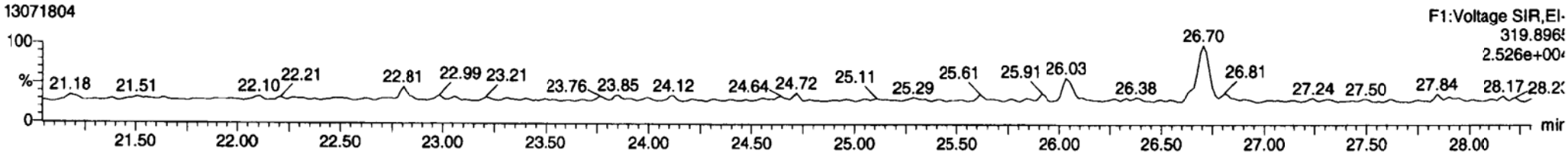
13C-2378-TCDD



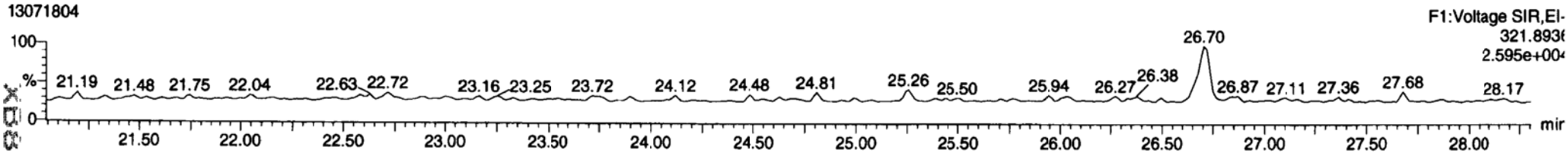
13C-2378-TCDD



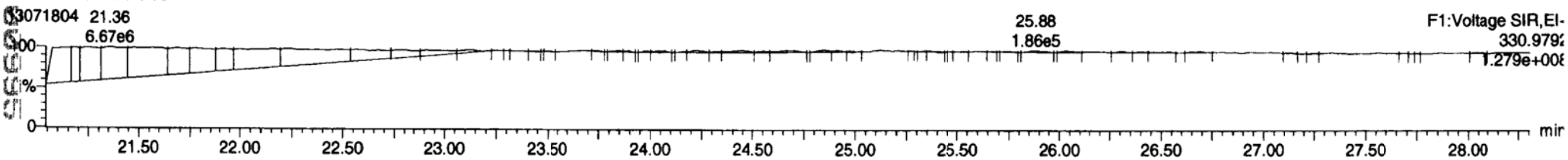
Total-tetradioxins



Total-tetradioxins



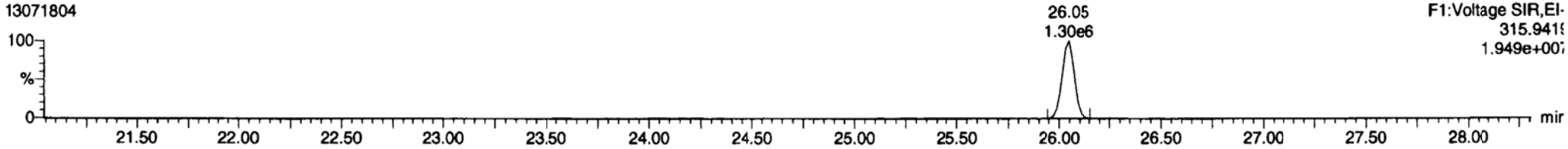
FUNCTION1 PFK



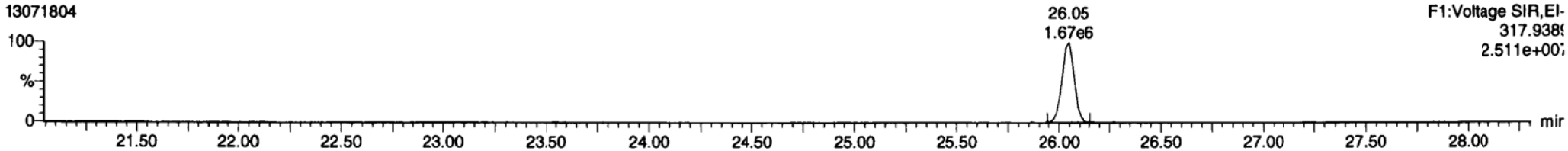
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

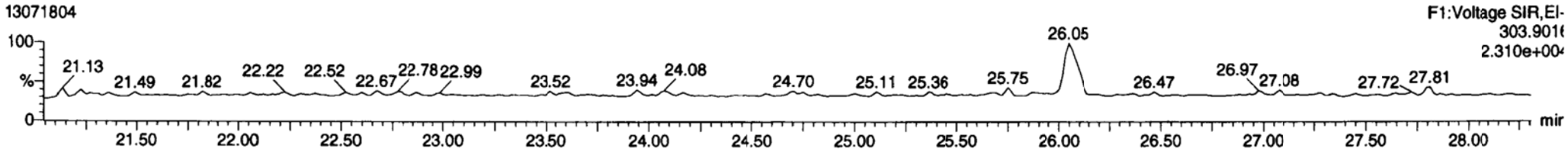
13C-2378-TCDF



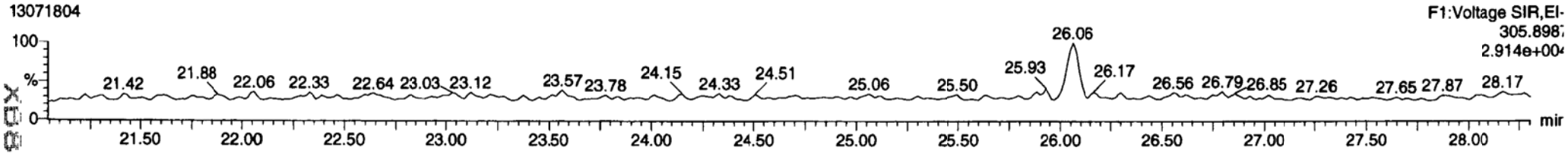
13C-2378-TCDF



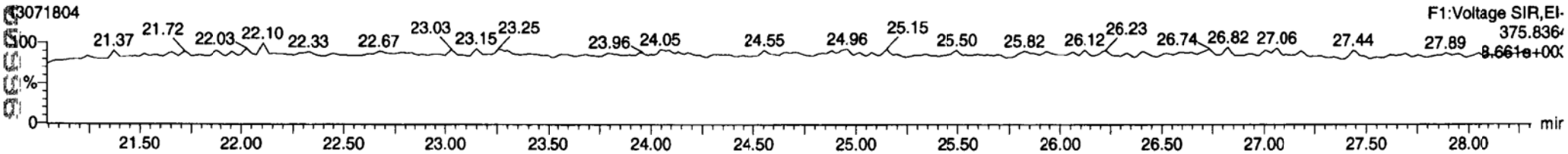
Total-tetrafurans



Total-tetrafurans



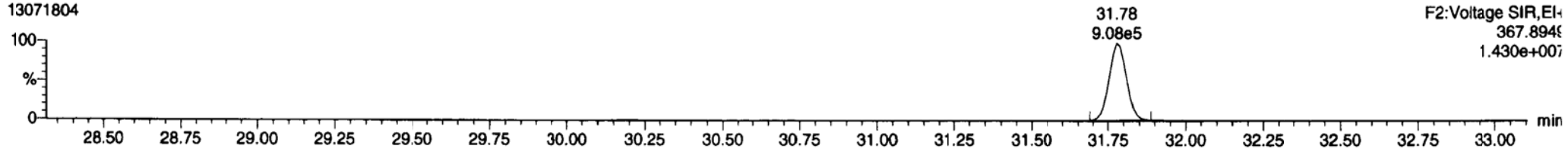
FUNCTION1 HXCDPE



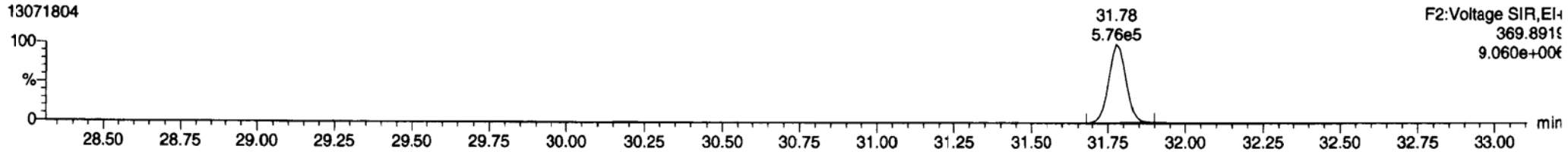
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

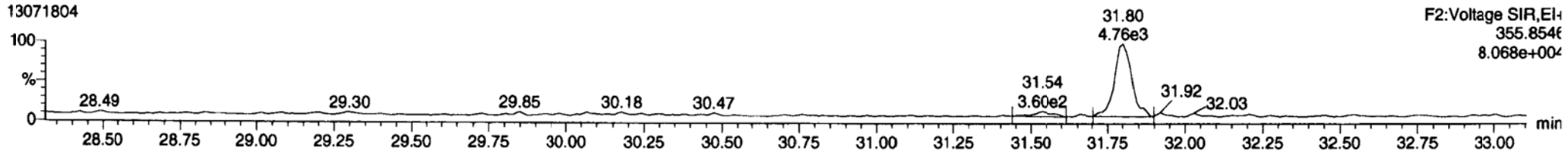
13C-12378-PeCDD



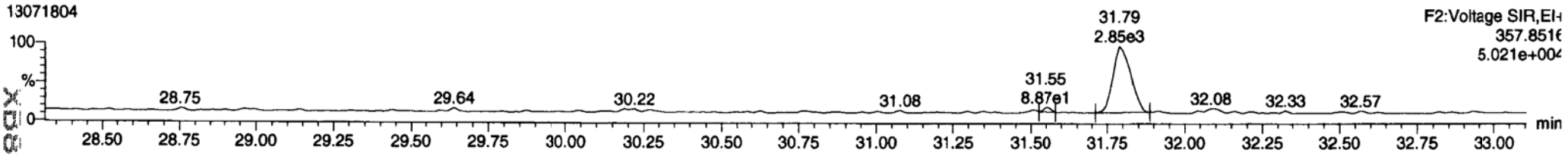
13C-12378-PeCDD



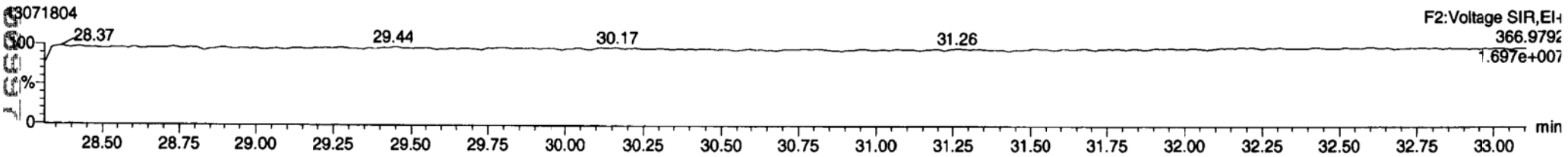
Total-pentadioxins



Total-pentadioxins



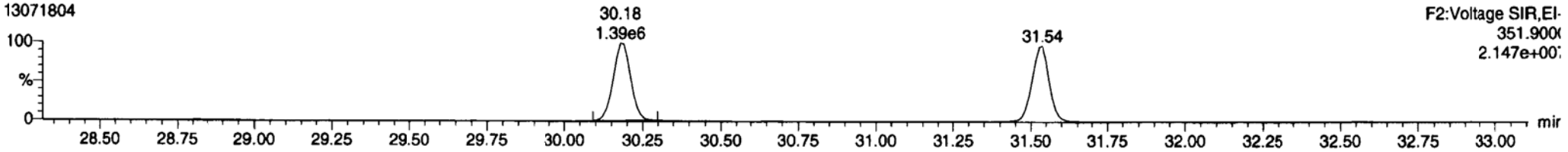
FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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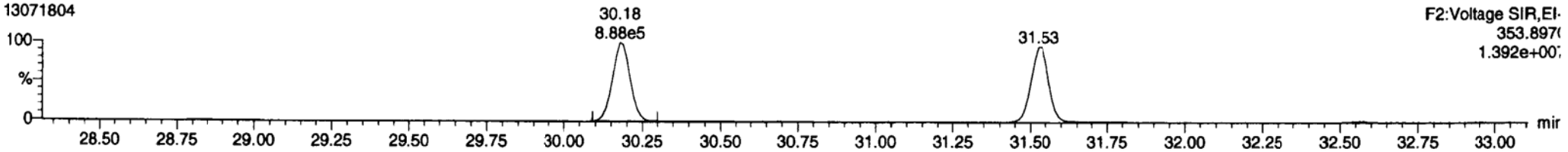
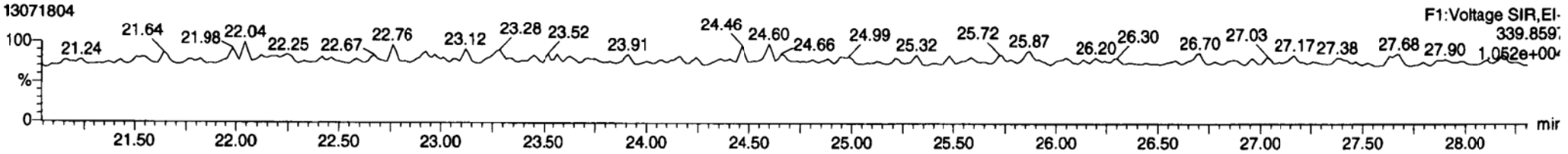
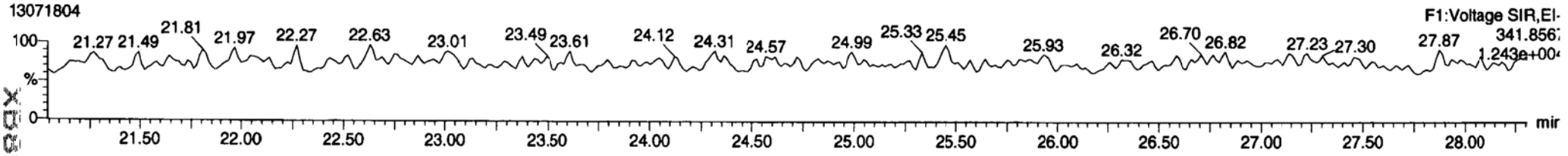


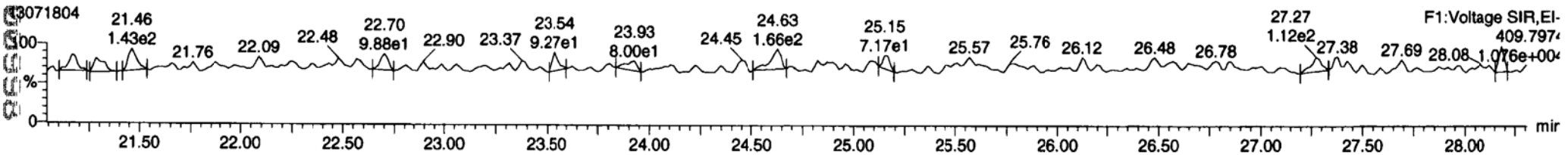
Total-penta1



Total-penta1



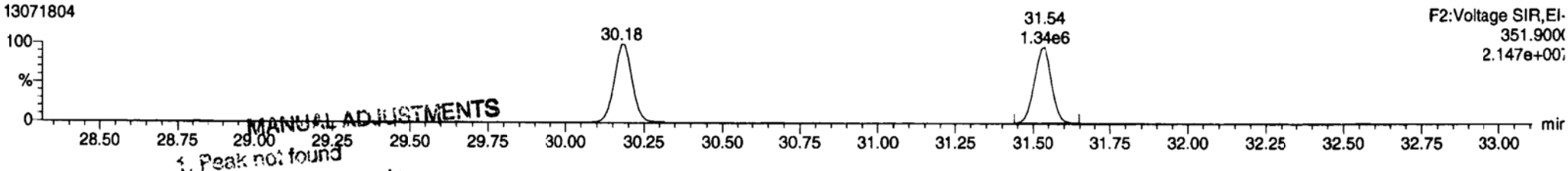
FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-23478-PeCDF



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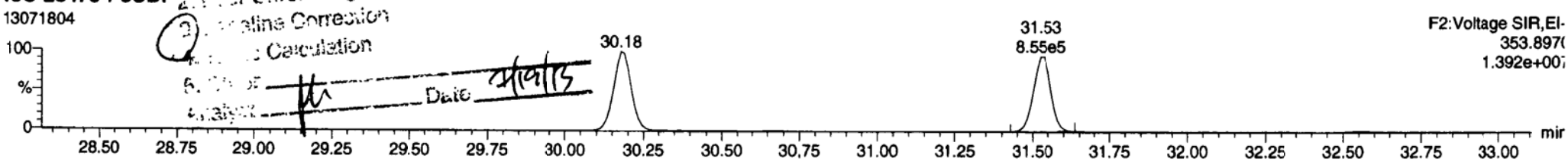
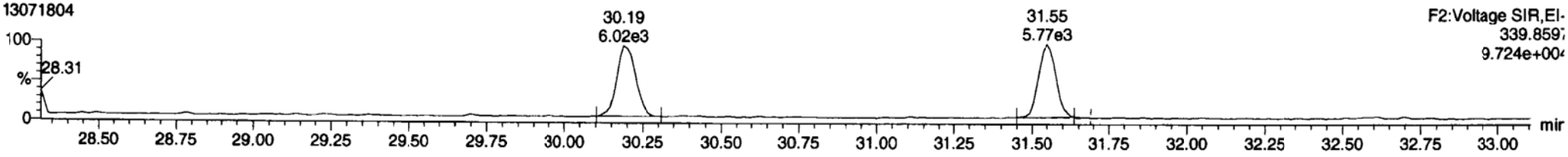
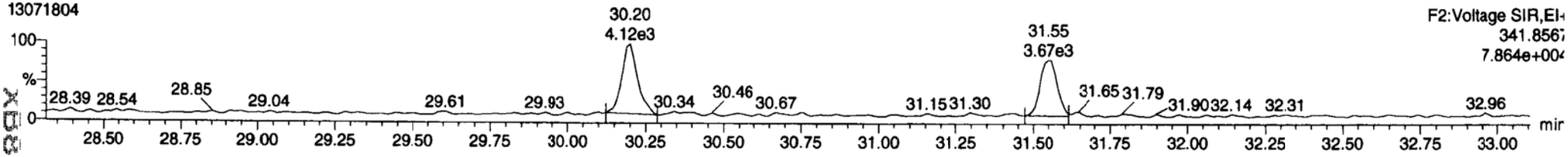


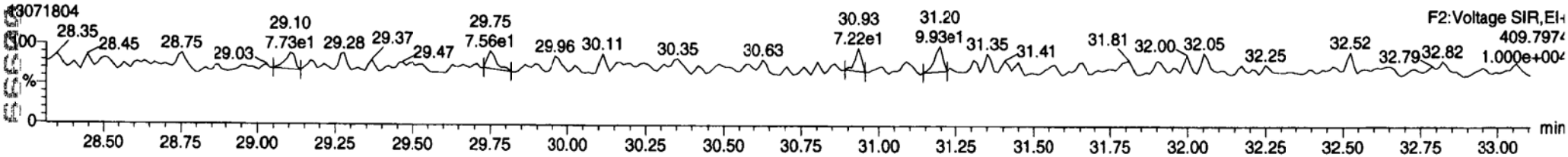
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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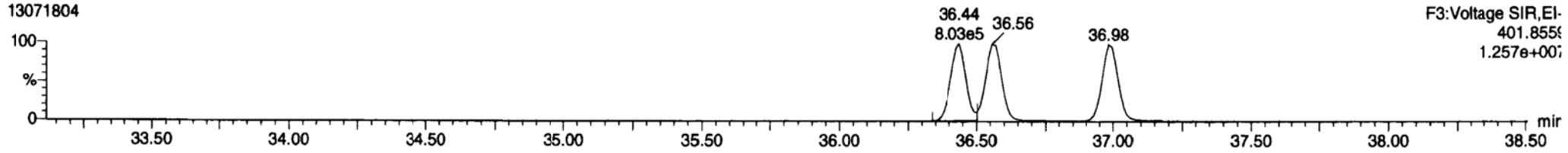
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-123478-HxCDD



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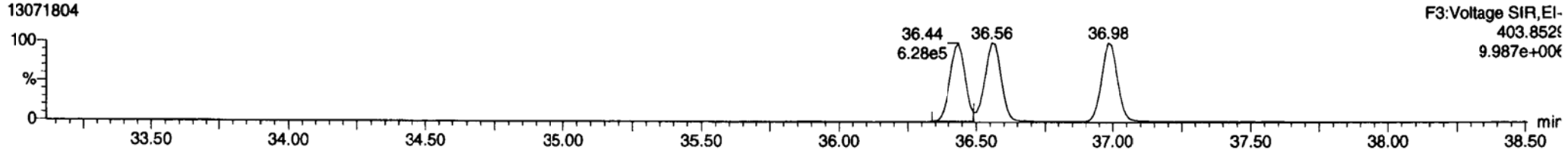
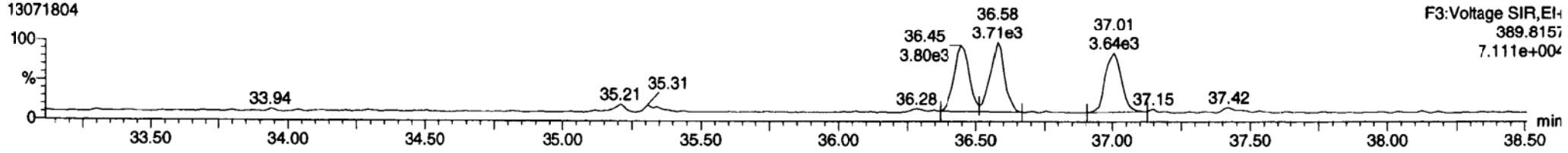
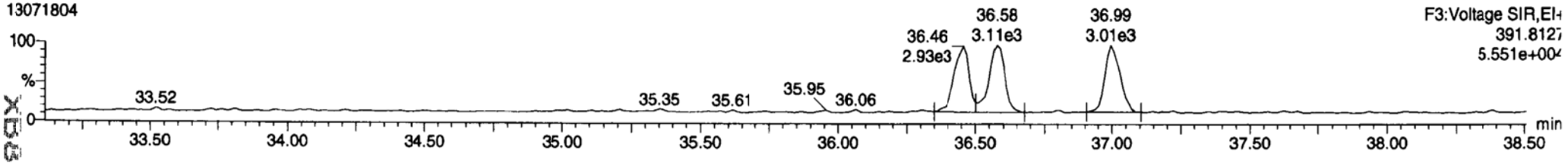


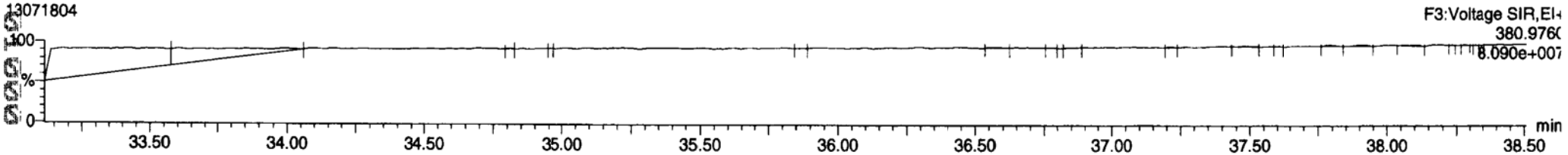
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
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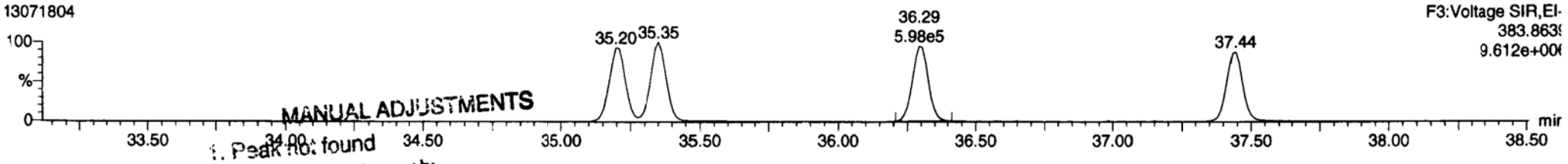
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-234678-HxCDF



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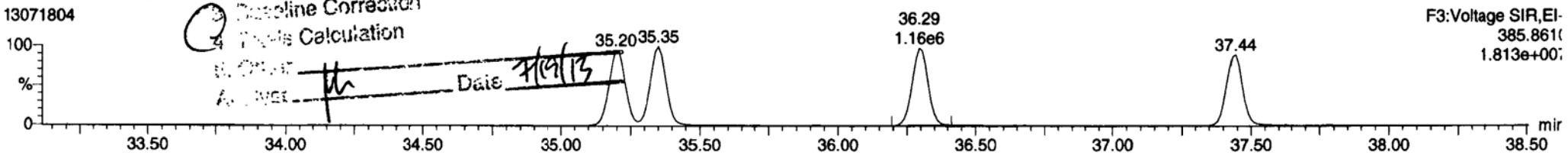
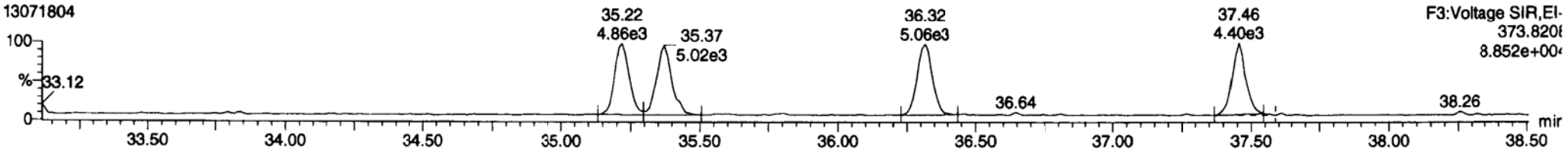
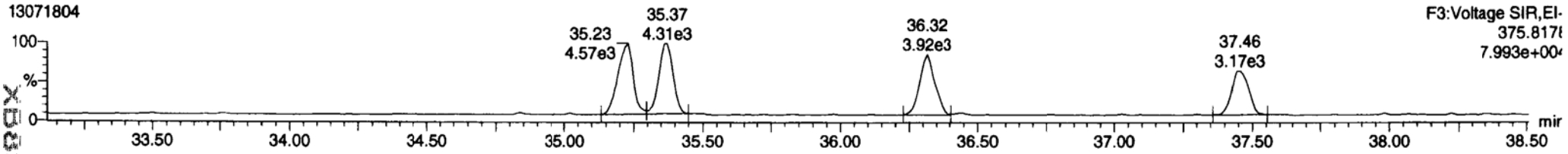


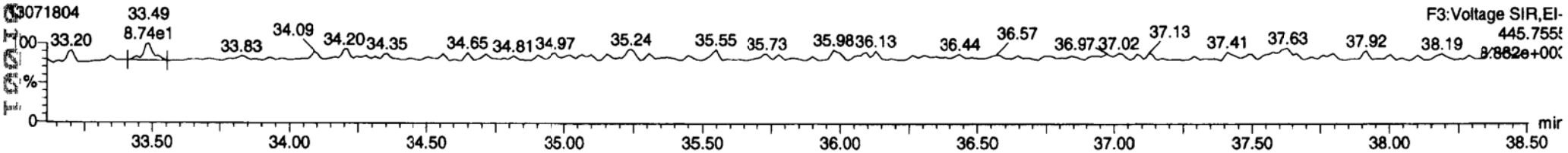
Total-hexafurans



Total-hexafurans



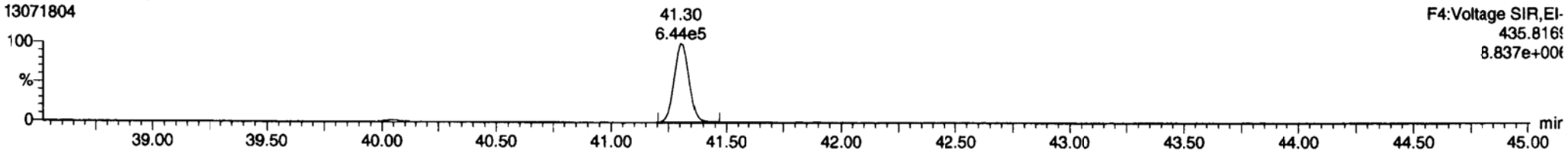
FUNCTION3 OCDPE



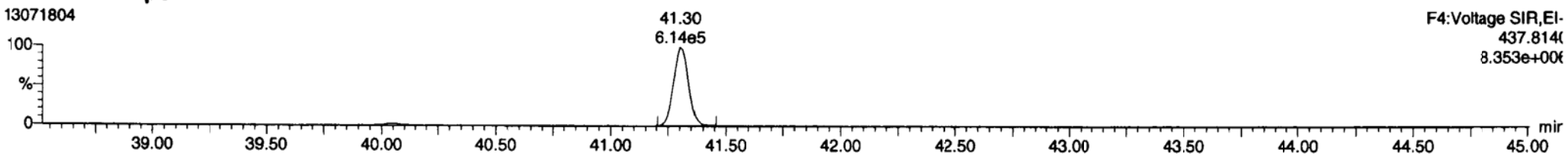
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

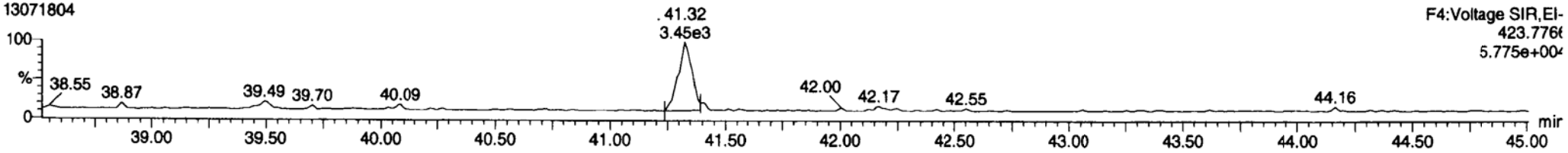
13C-1234678-HpCDD



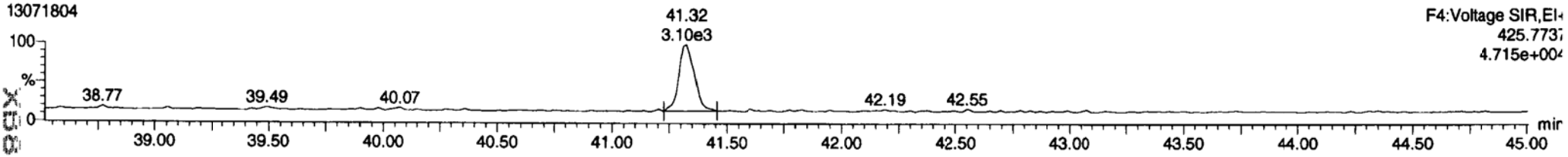
13C-1234678-HpCDD



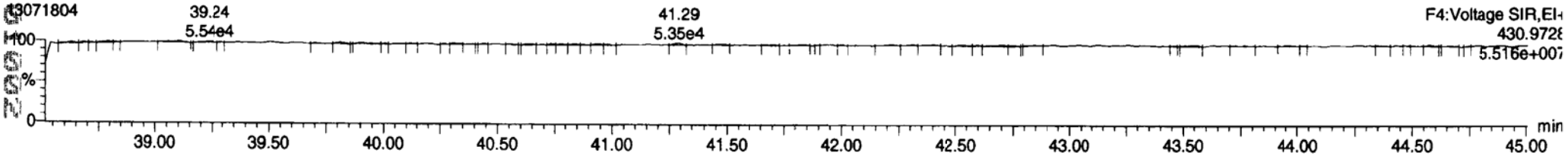
Total-heptadioxins



Total-heptadioxins



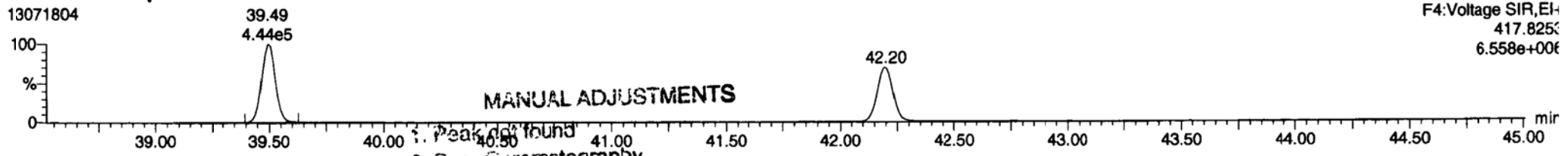
FUNCTION4 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

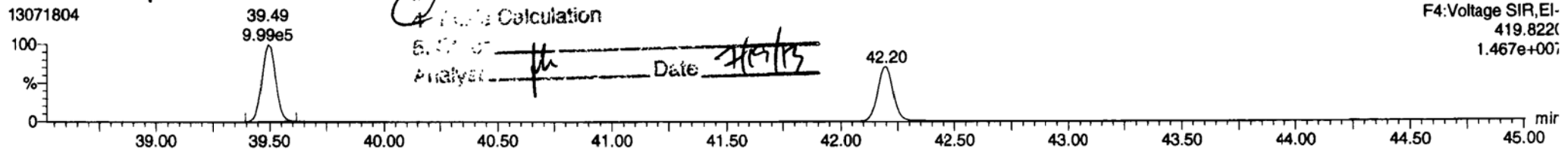
ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDF

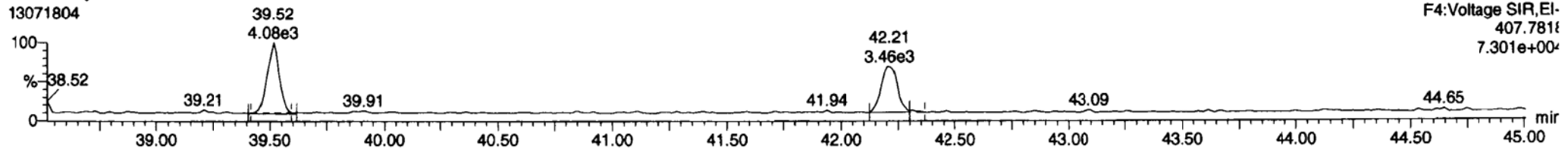


MANUAL ADJUSTMENTS
1. Peak detection
2. Gas Chromatography
3. Baseline Correction
4. Peak Calculation
5. Other
Analyst Date

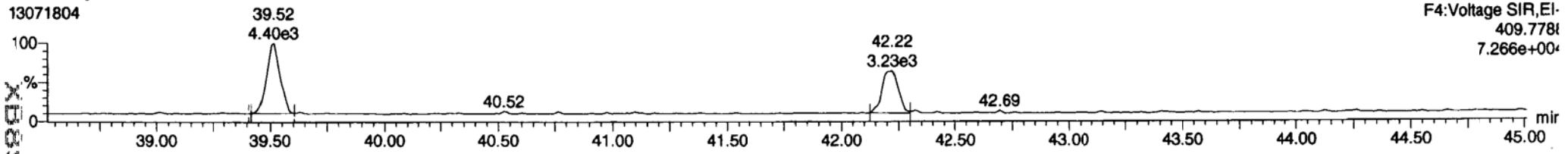
13C-1234678-HpCDF



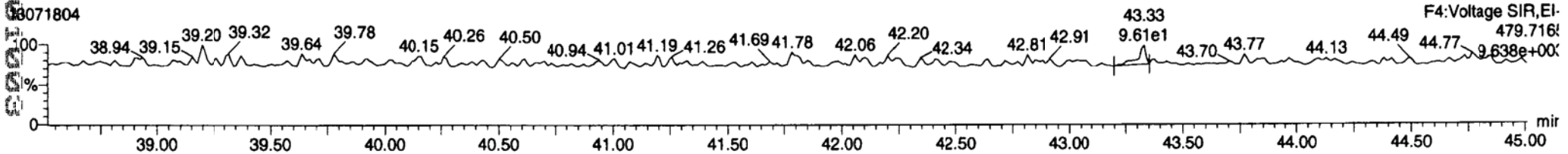
Total-heptafurans



Total-heptafurans



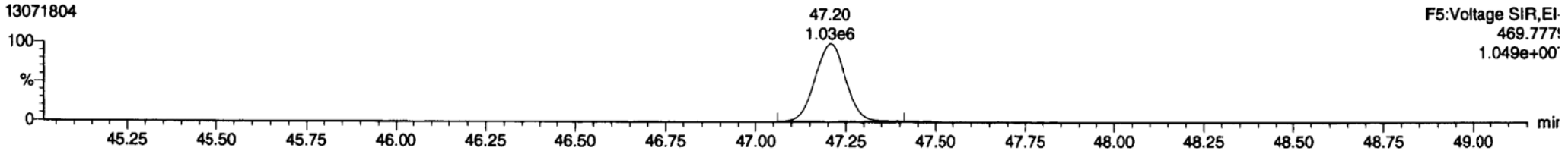
FUNCTION4 NCDPE



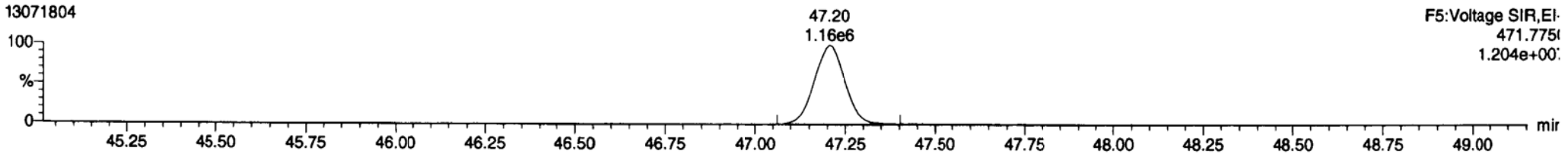
Dataset: P:\DIOXIN8290.PRO\13071804.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

13C-OCDD



13C-OCDD



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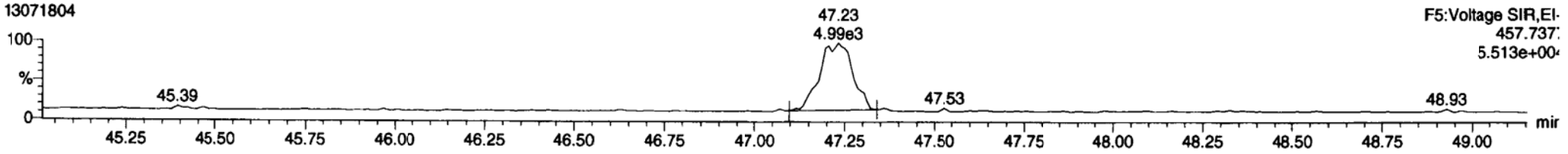
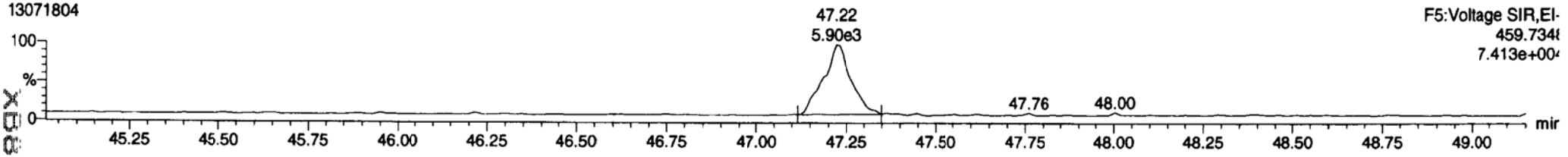
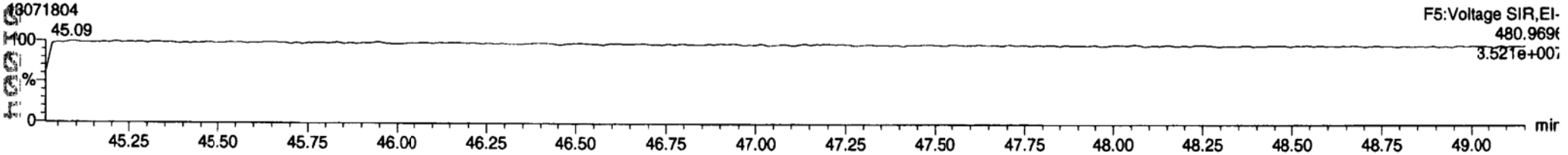


OCDD



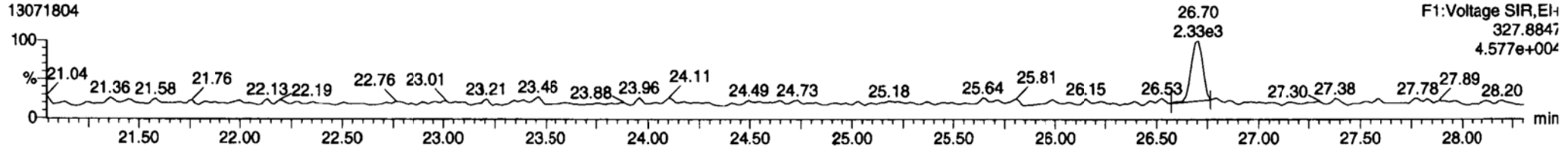
FUNCTION5 PFK



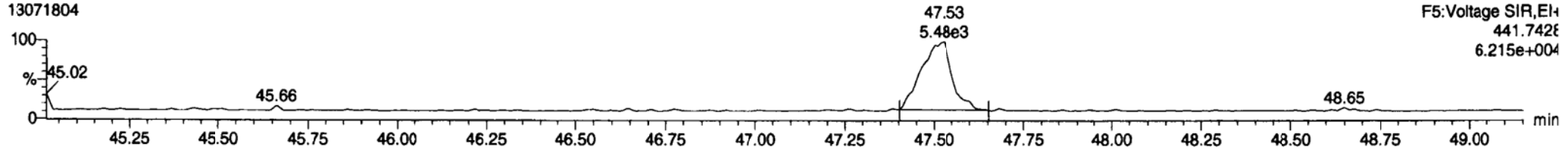
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:24 Pacific Daylight Time

ID: CSL, Name: 13071804, Date: 18-Jul-2013, Time: 12:34:52, Conditions: AUTOSPEC01, User: pk

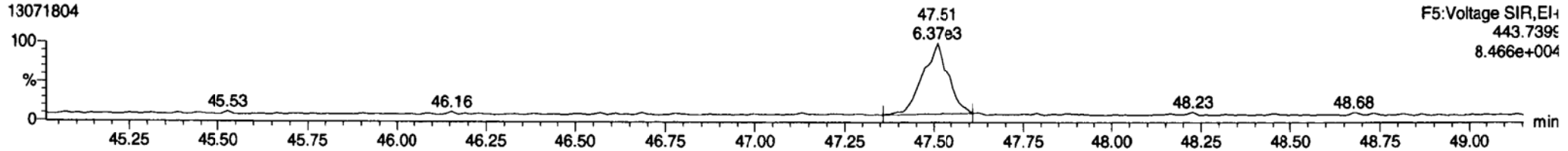
37CL-2378-TCDD



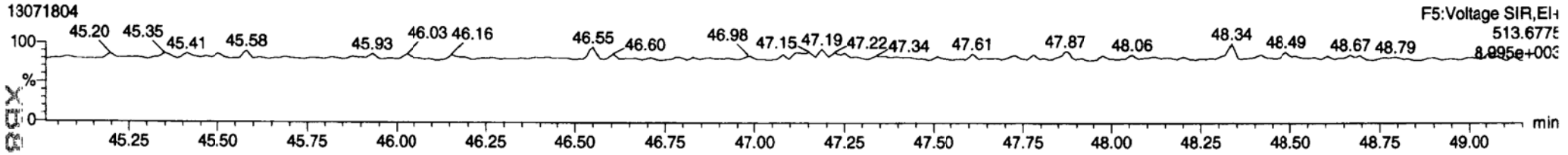
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:33 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS1, Name: 13071805, Date: 18-Jul-2013, Time: 15:34:56, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.048	1.001	3.60e3	5.43e3	0.867	0.663	0.770	49.7	NO	0.518	0.518
12378-PeCDF	30.201	1.001	1.95e4	1.39e4	0.875	1.401	1.550	372.5	NO	2.415	2.415
23478-PeCDF	31.549	1.001	1.96e4	1.32e4	0.880	1.484	1.550	365.4	NO	2.422	2.422
123478-HxCDF	35.220	1.001	1.58e4	1.37e4	1.048	1.159	1.240	312.9	NO	2.403	2.403
234678-HxCDF	36.316	1.001	1.64e4	1.43e4	1.088	1.141	1.240	342.0	NO	2.525	2.525
123678-HxCDF	35.363	1.000	1.66e4	1.38e4	1.025	1.201	1.240	345.9	NO	2.432	2.432
123789-HxCDF	37.456	1.001	1.38e4	1.16e4	0.959	1.190	1.240	293.0	NO	2.443	2.443
1234678-HpCDF	39.517	1.001	1.54e4	1.57e4	1.215	0.980	1.050	347.7	NO	2.556	2.555
1234789-HpCDF	42.214	1.000	1.10e4	1.13e4	1.200	0.969	1.050	228.3	NO	2.455	2.455
OCDF	47.512	1.007	1.71e4	2.04e4	1.064	0.839	0.890	281.0	NO	4.779	4.779
2378-TCDD	26.691	1.001	2.75e3	3.55e3	0.994	0.773	0.770	58.7	NO	0.467	0.467
12378-PeCDD	31.801	1.001	1.51e4	9.27e3	0.976	1.626	1.550	203.7	NO	2.455	2.455
123478-HxCDD	36.448	1.001	1.33e4	1.03e4	0.967	1.290	1.240	304.2	NO	2.542	2.542
123678-HxCDD	36.579	1.001	1.22e4	9.54e3	0.902	1.275	1.240	251.1	NO	2.349	2.349
123789-HxCDD	37.007	1.012	1.24e4	1.09e4	0.914	1.133	1.240	273.7	NO	2.567	2.567
1234678-HpCDD	41.326	1.000	1.10e4	1.06e4	0.999	1.035	1.050	268.7	NO	2.523	2.524
OCDD	47.216	1.000	1.68e4	1.92e4	0.979	0.875	0.890	344.9	NO	4.985	4.986
13C-2378-TCDF	26.033	1.006	8.80e5	1.13e6	1.419	0.778	0.770	4191.4	NO		97.068
13C-12378-PeCDF	30.179	1.167	9.62e5	6.21e5	1.158	1.549	1.550	4580.6	NO		93.526
13C-23478-PeCDF	31.527	1.219	9.37e5	6.03e5	1.127	1.555	1.550	4644.4	NO		93.541
13C-123478-HxCDF	35.198	0.952	3.98e5	7.72e5	1.206	0.516	0.510	2257.9	NO		100.462
13C-123678-HxCDF	35.352	0.956	4.21e5	7.99e5	1.266	0.527	0.510	2385.0	NO		99.788
13C-234678-HxCDF	36.294	0.981	3.83e5	7.33e5	1.155	0.522	0.510	2220.0	NO		100.064
13C-123789-HxCDF	37.434	1.012	3.70e5	7.16e5	1.121	0.516	0.510	2112.4	NO		100.293
13C-1234678-HpCDF	39.495	1.068	3.11e5	6.92e5	1.040	0.450	0.440	3030.1	NO		99.911
13C-1234789-HpCDF	42.203	1.141	2.34e5	5.22e5	0.789	0.448	0.440	1973.1	NO		99.179
13C-1234-TCDD	25.869	0.000	6.45e5	8.16e5	1.000	0.791	0.770	2237.0	NO		100.000
13C-2378-TCDD	26.676	1.031	5.93e5	7.66e5	0.962	0.774	0.770	2112.8	NO		96.664
13C-12378-PeCDD	31.779	1.229	6.18e5	3.98e5	0.746	1.552	1.550	7915.8	NO		93.120
13C-123478-HxCDD	36.426	0.985	5.34e5	4.23e5	1.003	1.262	1.240	4105.7	NO		98.819
13C-123678-HxCDD	36.557	0.988	5.67e5	4.58e5	1.052	1.238	1.240	4303.1	NO		100.803
13C-1234678-HpCDD	41.304	1.117	4.36e5	4.22e5	0.880	1.033	1.050	2289.0	NO		100.929
13C-OCDD	47.207	1.276	6.97e5	7.79e5	0.775	0.895	0.890	4190.8	NO		197.319

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:33 Pacific Daylight Time

ID: CS1, Name: 13071805, Date: 18-Jul-2013, Time: 15:34:56, Conditions: AUTOSPEC01, User: pk

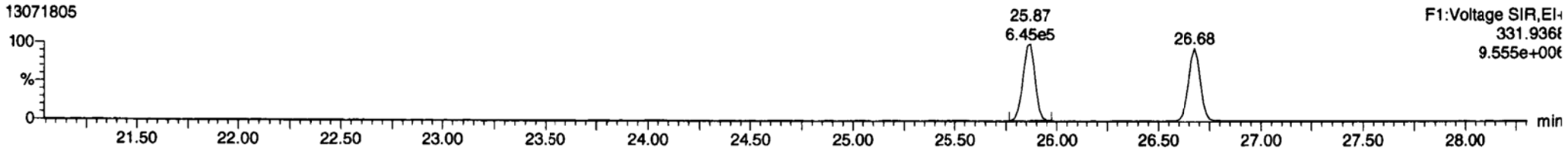
13C-123789-HxCDD	36.985	0.000	5.35e5	4.31e5	1.000	1.241	1.240	4117.7	NO		100.000
Total-tetrafurans			3.70e3		0.867						0.530
Total-penta1			0.00e0								
Total-pentafurans			3.95e4		0.877						4.904
Total-hexafurans			6.26e4		1.030						9.803
Total-heptafurans			2.64e4		1.207						5.010
Total-Furans			1.49e5		1.022						25.026
Total-tetradioxins			3.02e3		0.994						0.493
Total-pentadioxins			1.51e4		0.976						2.455
Total-hexadioxins			3.79e4		0.928						7.479
Total-heptadioxins			1.10e4		0.999						2.524
Total-Dioxins			8.38e4		0.962						17.937
Total-TEQ			2.33e5								42.963
37CL-2378-TCDD	26.691	1.032	7.98e3		1.091			69.7			0.500
FUNCTION1 PFK			5.12e7								
FUNCTION2 PFK			2.66e5								0.000
FUNCTION3 PFK			3.99e5								0.000
FUNCTION4 PFK			4.51e5								
FUNCTION5 PFK			8.81e4								
FUNCTION1 HXCDPE			0.00e0								
FUNCTION1 HPCDPE			5.80e2								0.000
FUNCTION2 HPCDPE			3.44e2								0.000
FUNCTION3 OCDPE			9.00e1								0.000
FUNCTION4 NCDPE			0.00e0								
FUNCTION5 DCDPE			0.00e0								

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:33 Pacific Daylight Time

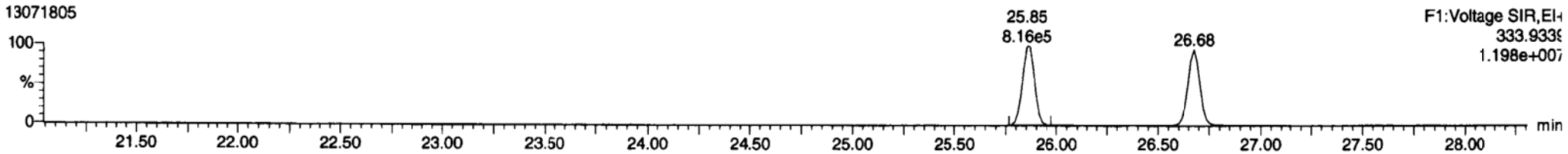
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS1, Name: 13071805, Date: 18-Jul-2013, Time: 15:34:56, Conditions: AUTOSPEC01, User: pk

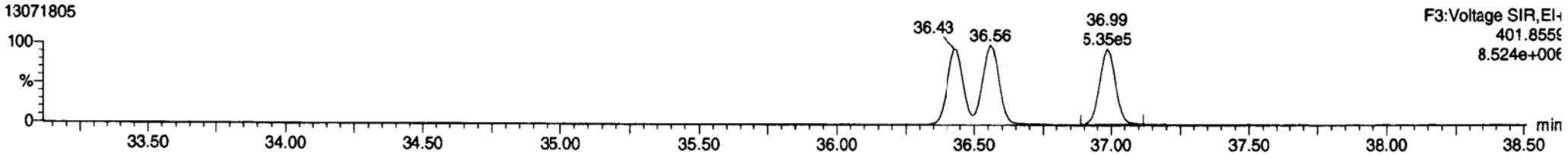
13C-1234-TCDD



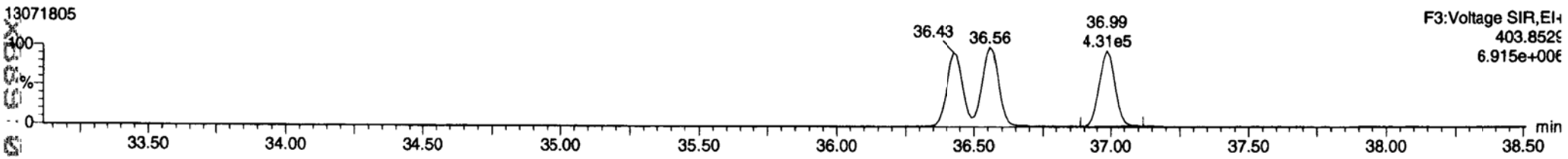
13C-1234-TCDD



13C-123789-HxCDD



13C-123789-HxCDD



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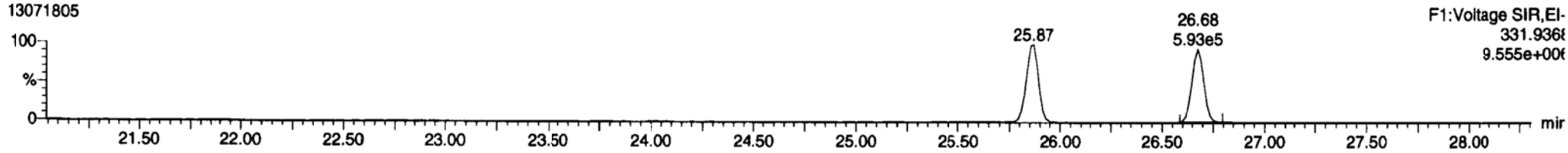
Printed: Friday, July 19, 2013 10:16:33 Pacific Daylight Time

ID: CS1, Name: 13071805, Date: 18-Jul-2013, Time: 15:34:56, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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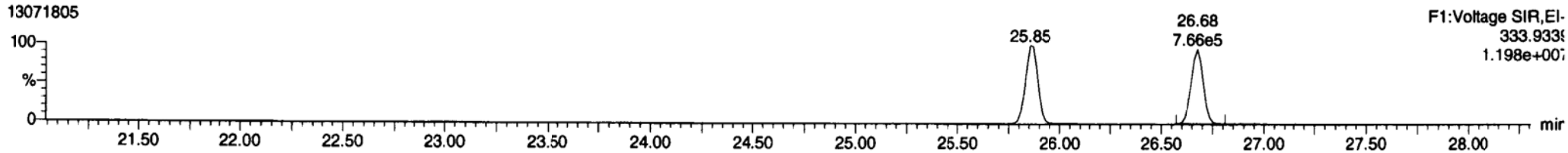
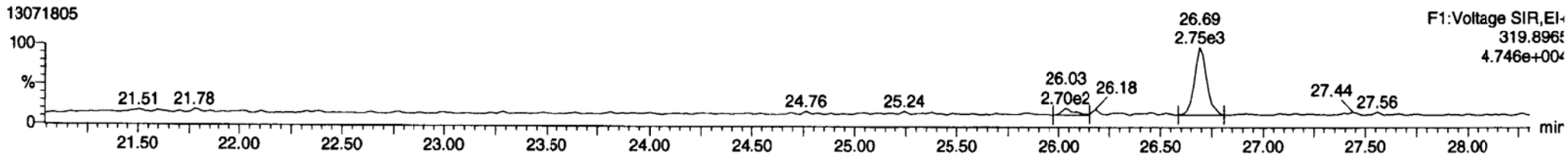
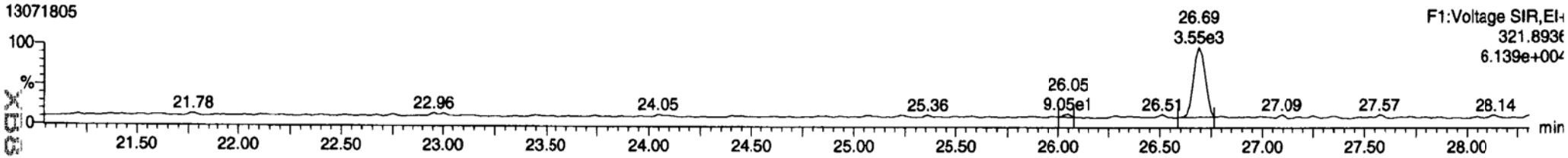


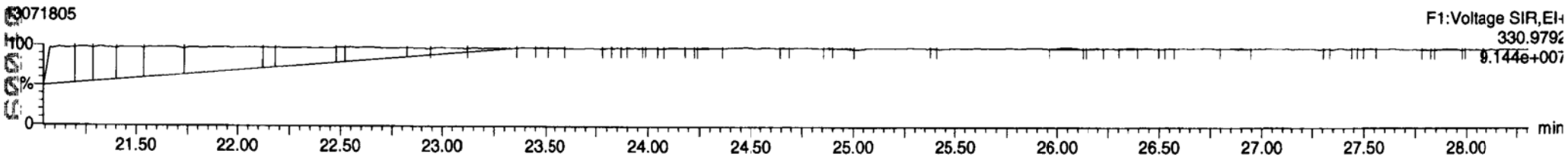
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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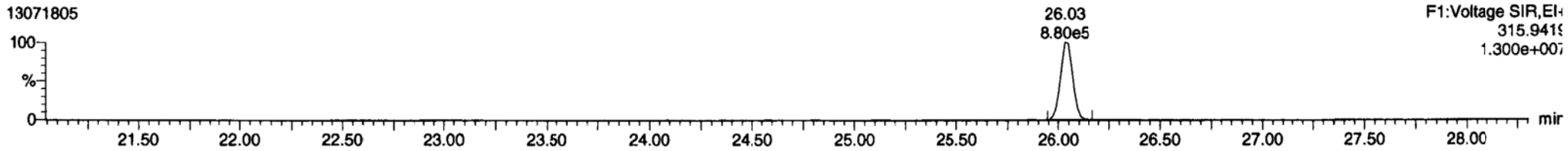
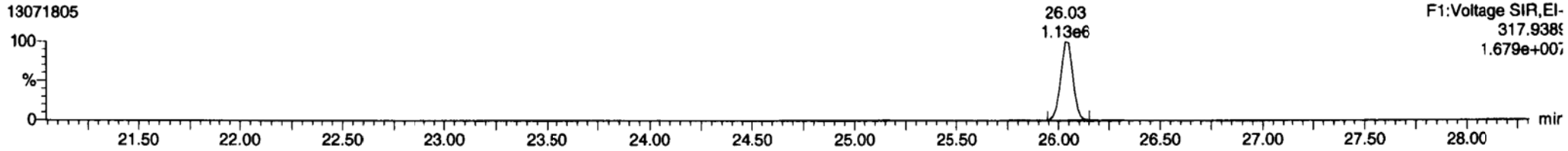
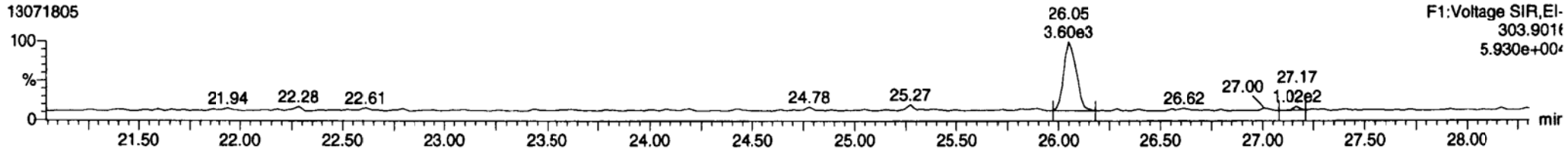
13C-2378-TCDF



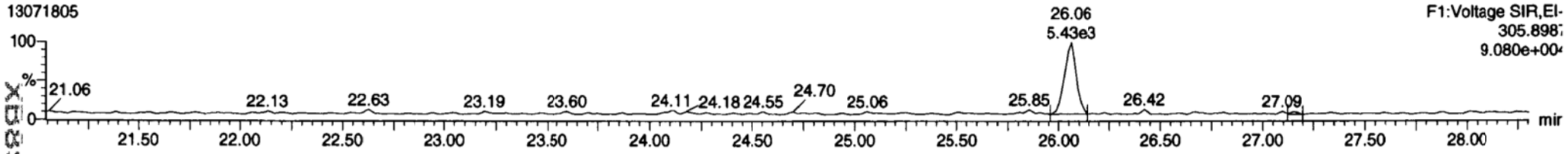
13C-2378-TCDF



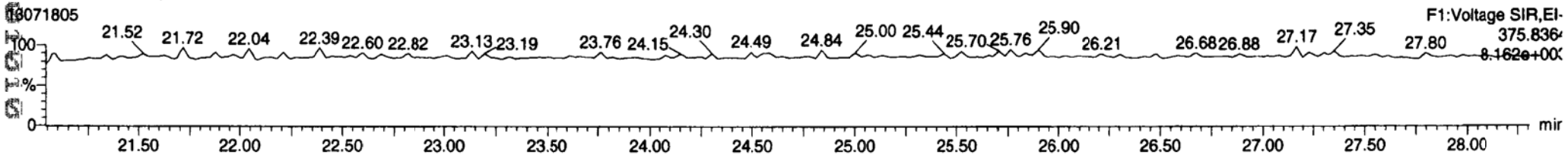
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE



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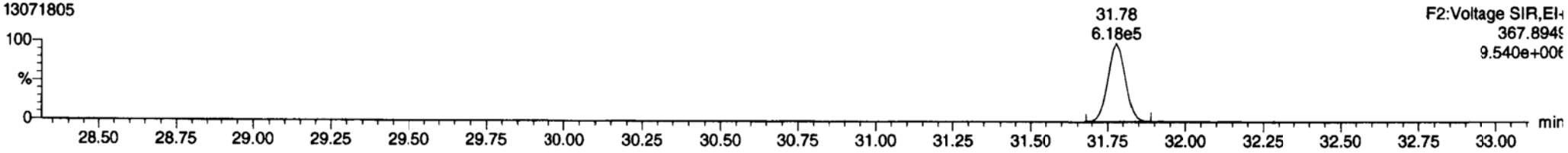
13C-12378-PeCDD



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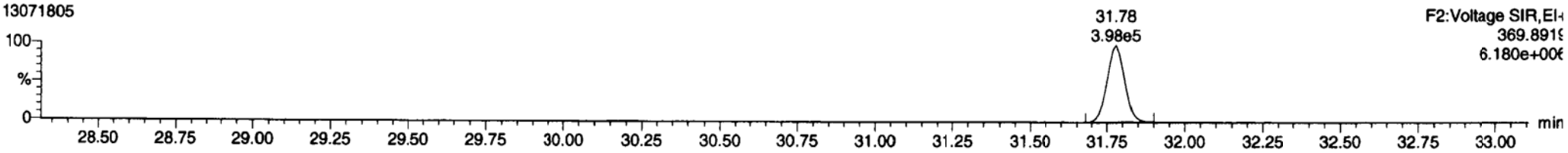
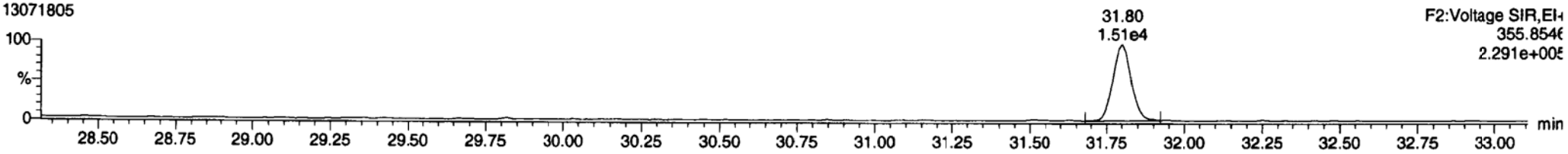
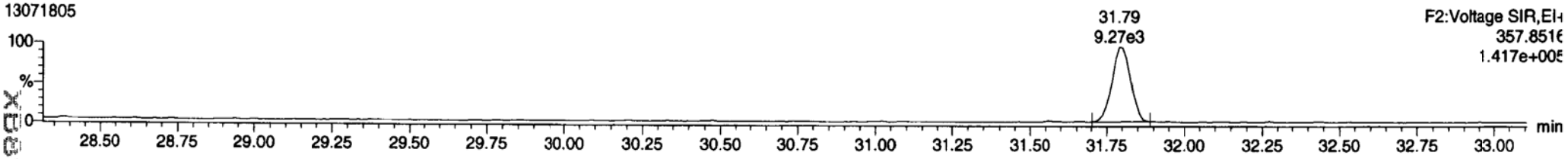


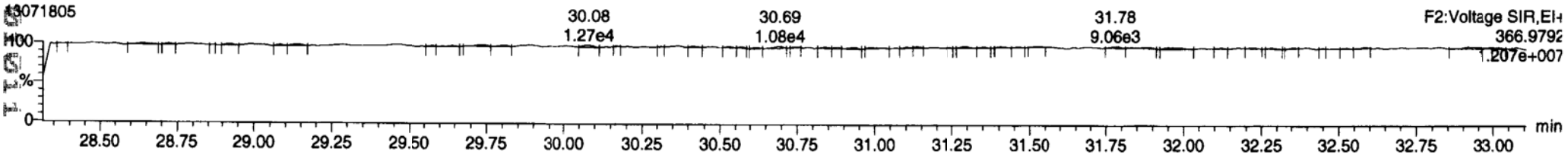
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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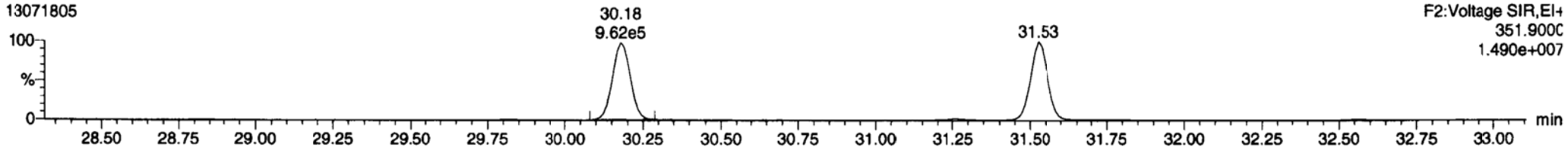
13C-12378-PeCDF



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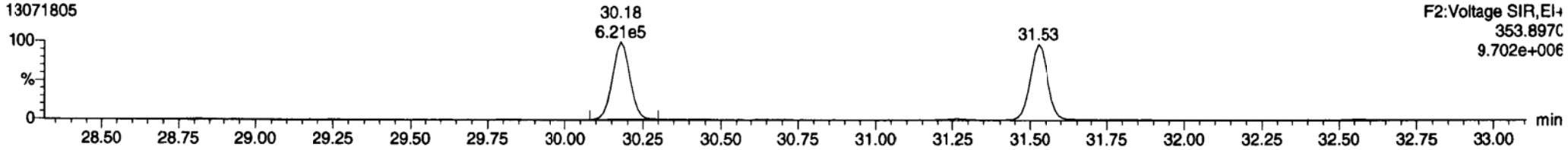
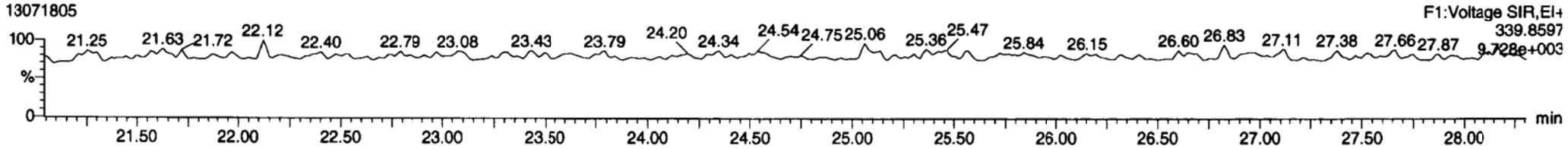
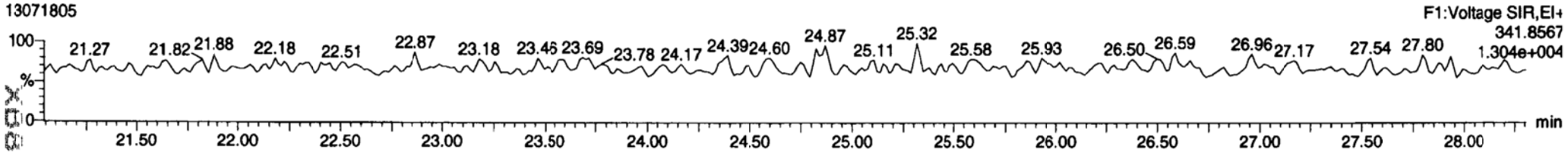


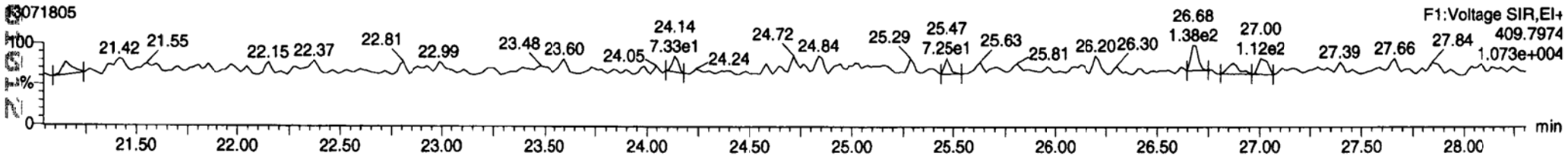
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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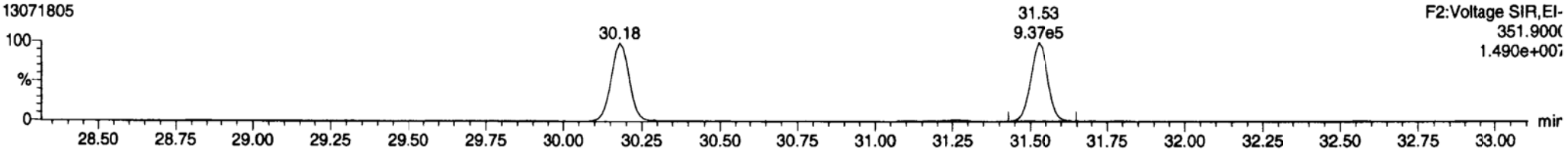
13C-23478-PeCDF



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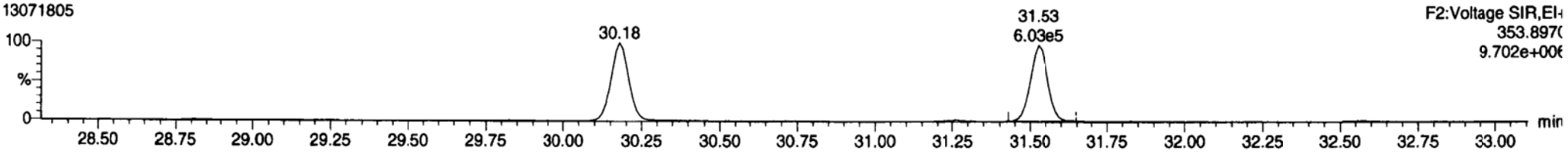
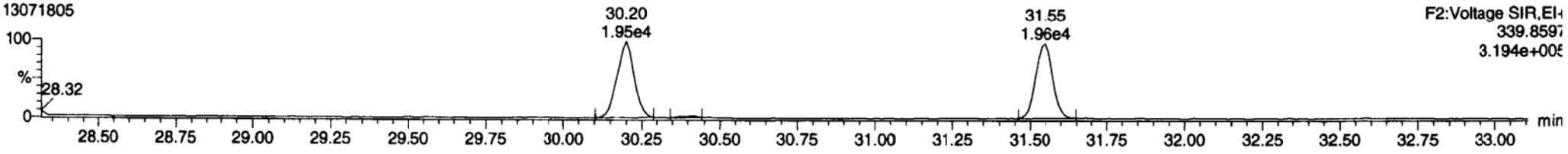
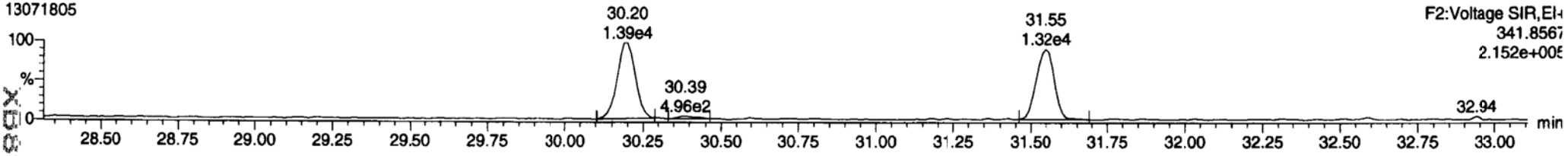


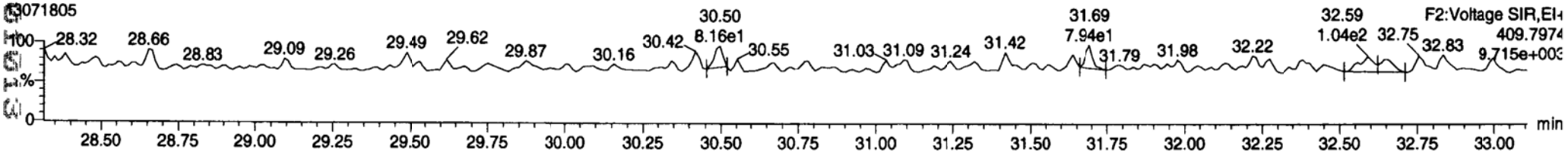
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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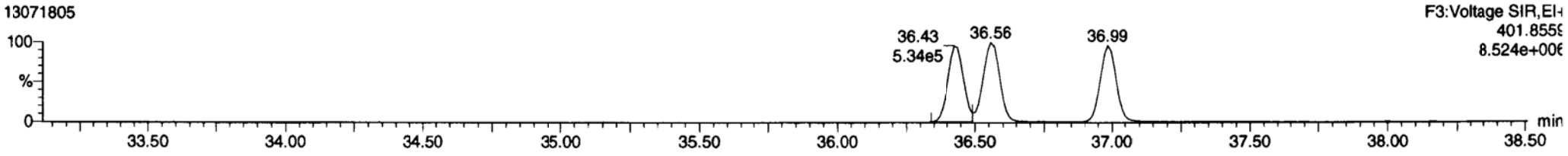
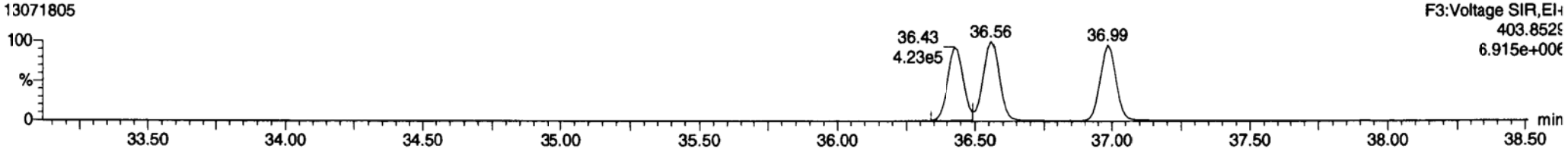
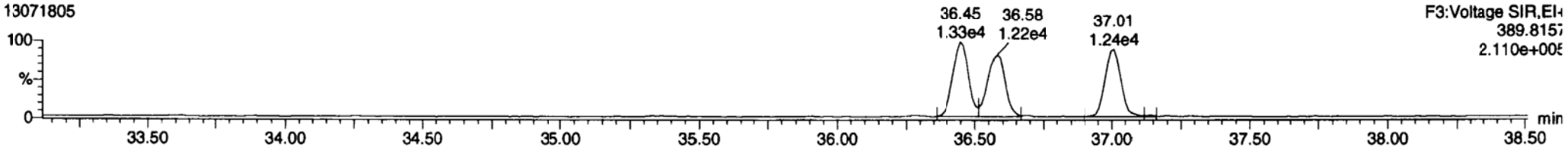
13C-123478-HxCDD



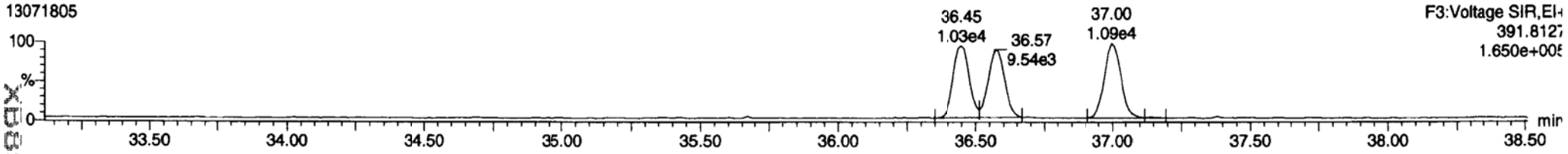
13C-123478-HxCDD



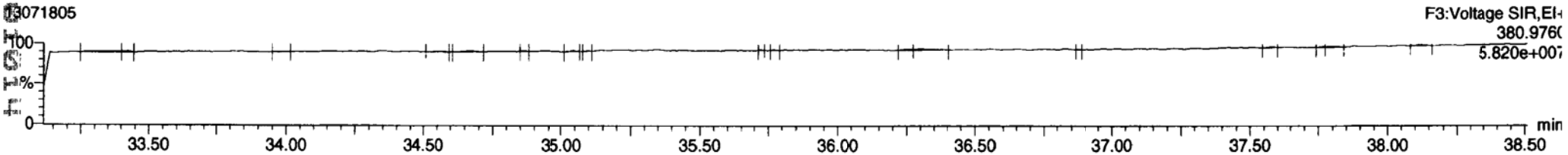
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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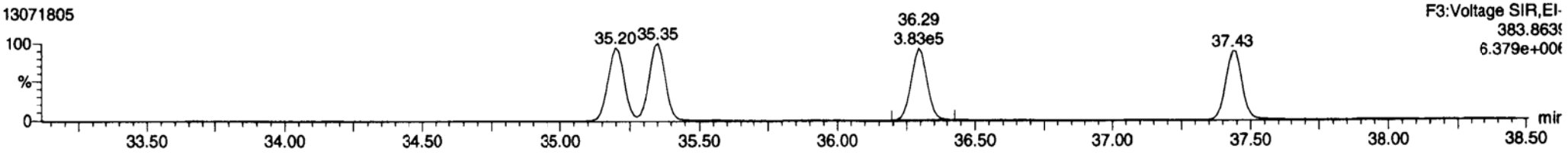
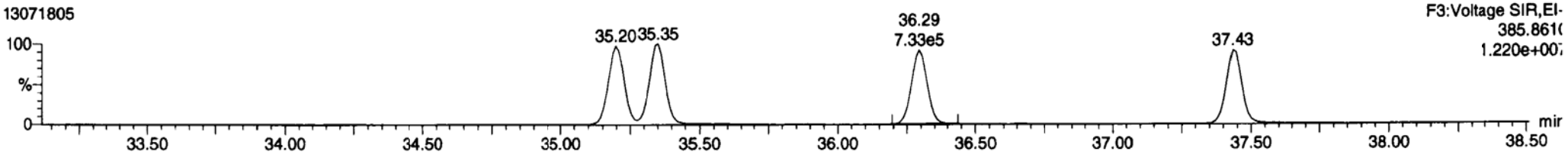
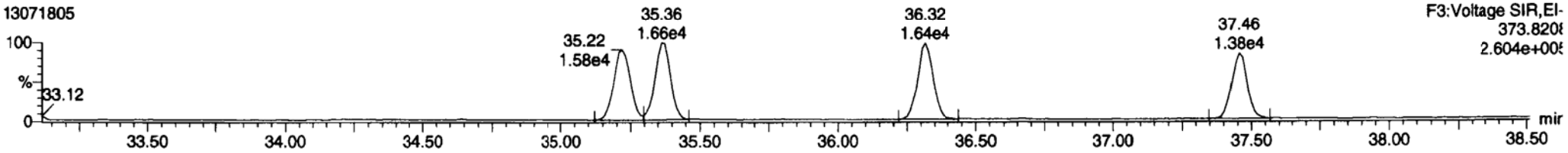
13C-234678-HxCDF



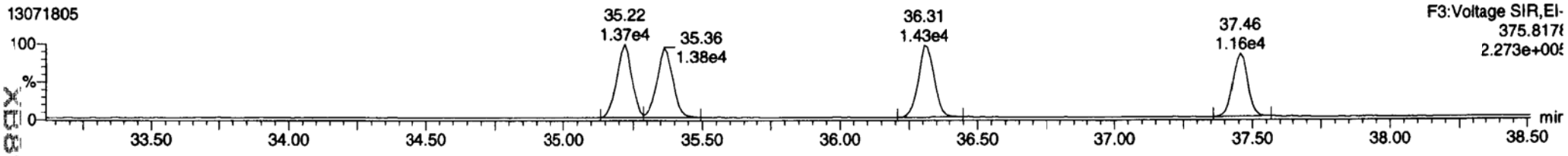
13C-234678-HxCDF



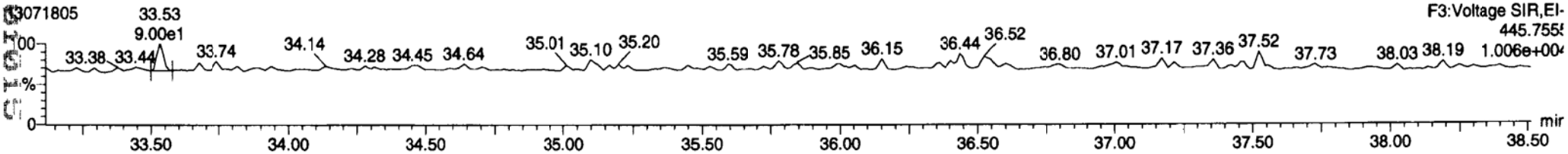
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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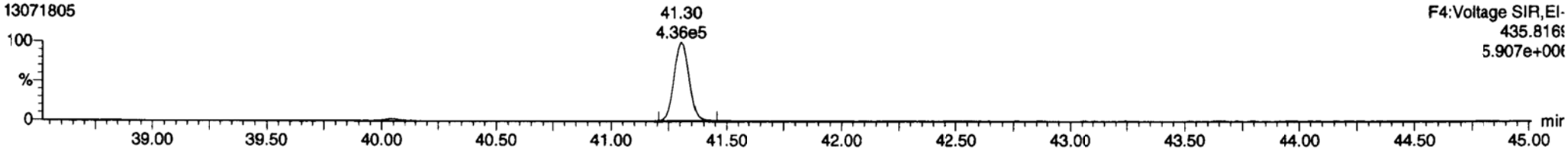
13C-1234678-HpCDD



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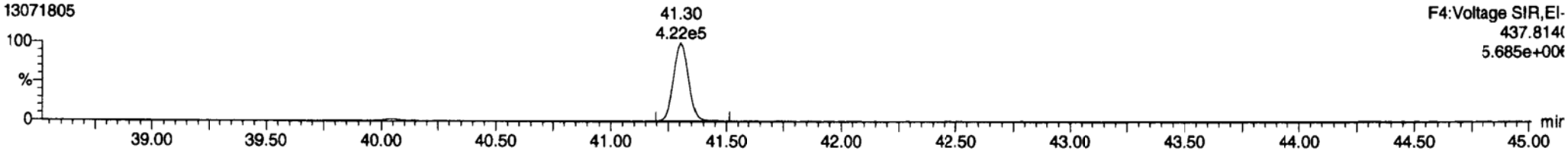
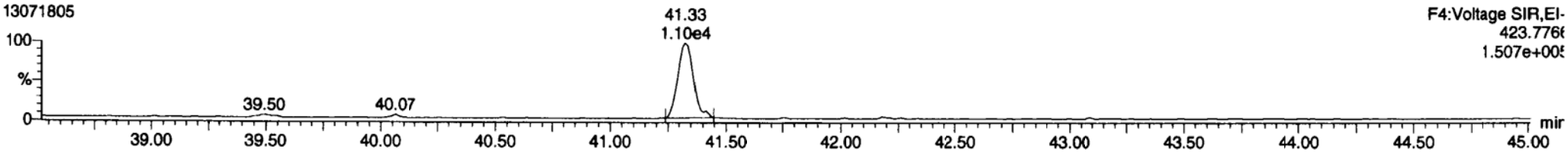
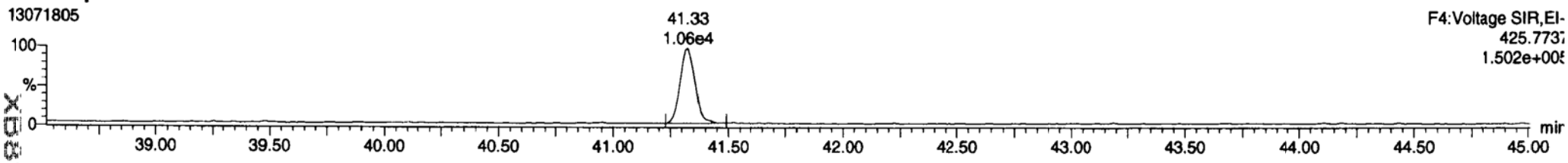


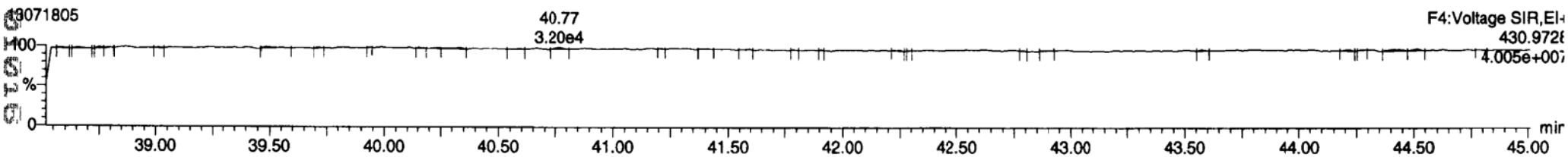
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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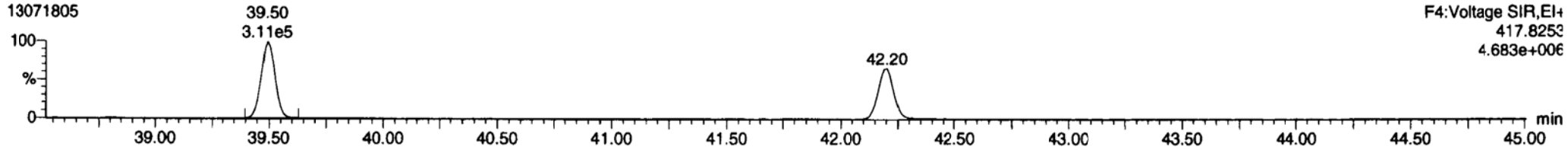
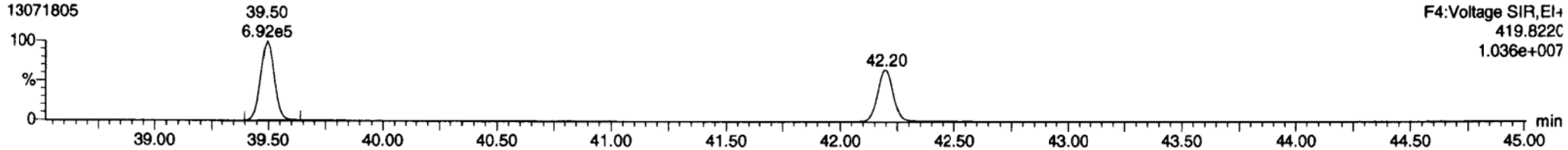
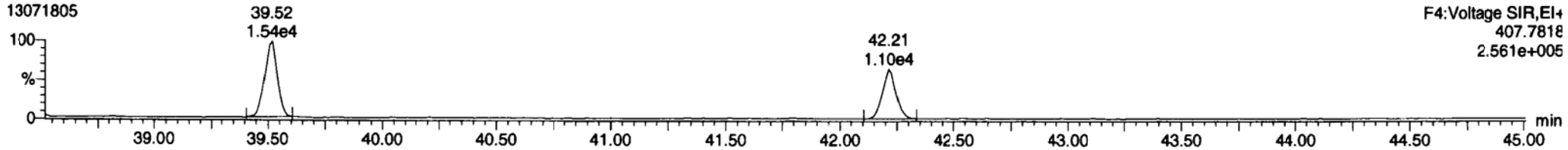
13C-1234678-HpCDF



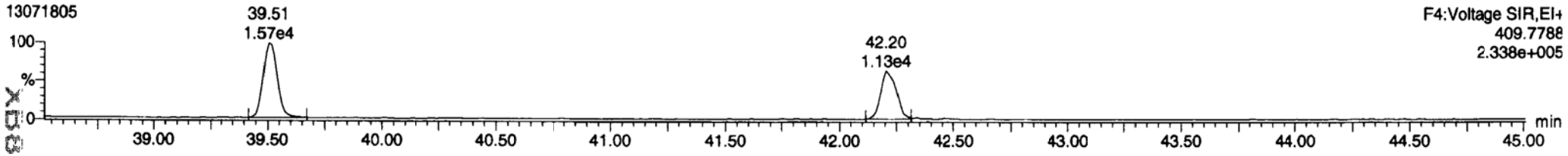
13C-1234678-HpCDF



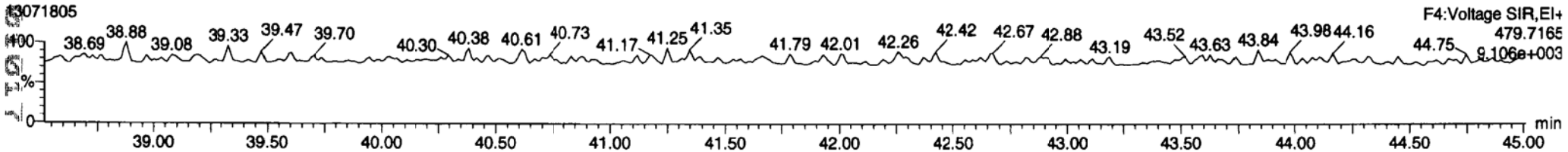
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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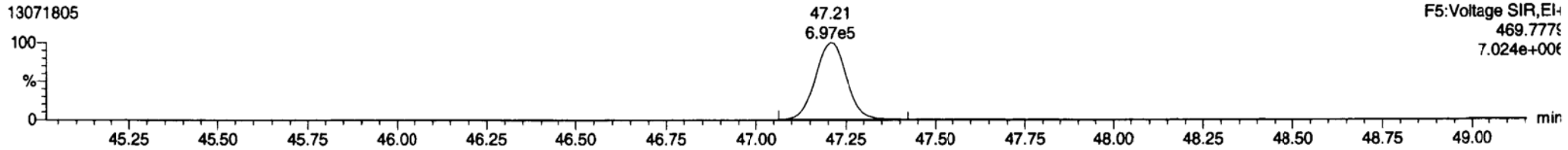
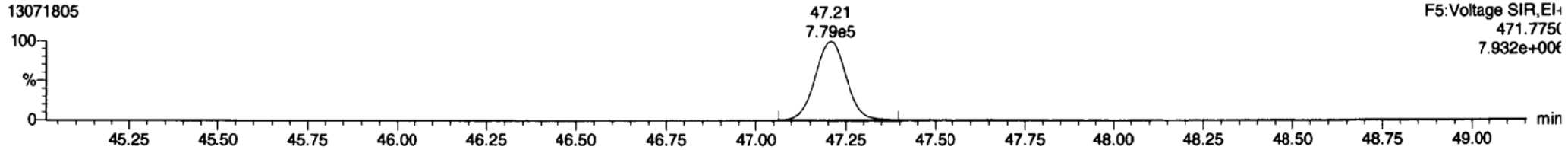
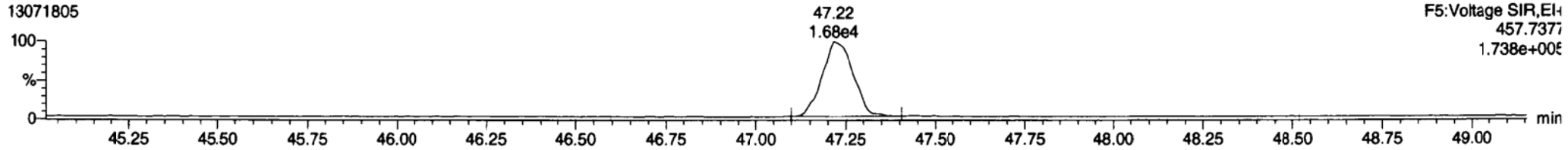
13C-OCDD



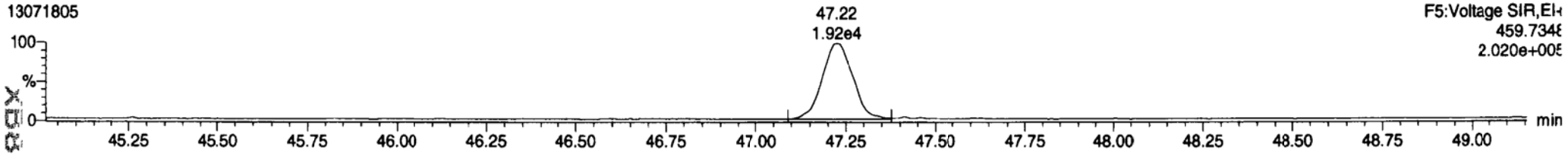
13C-OCDD



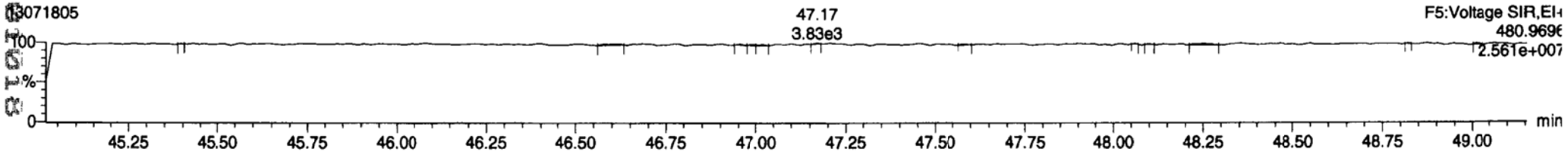
OCDD



OCDD



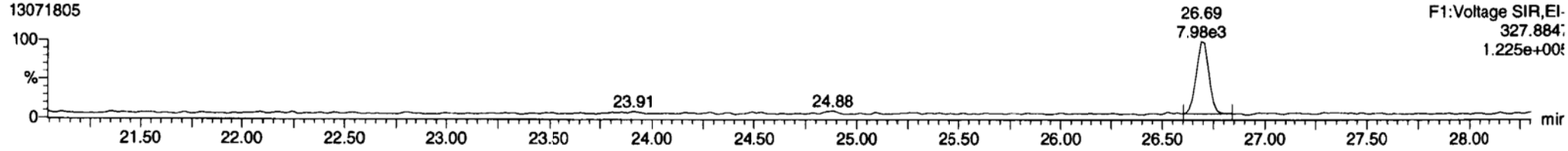
FUNCTION5 PFK



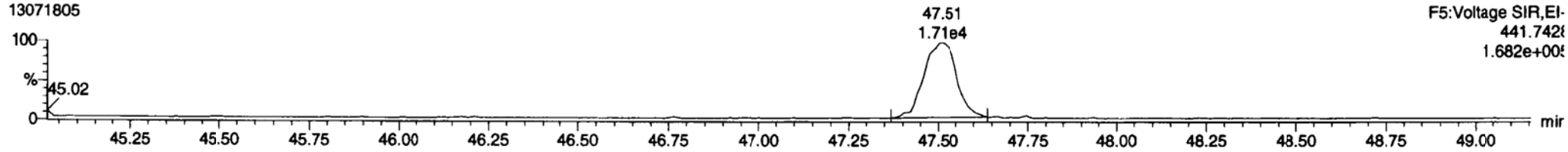
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:33 Pacific Daylight Time

ID: CS1, Name: 13071805, Date: 18-Jul-2013, Time: 15:34:56, Conditions: AUTOSPEC01, User: pk

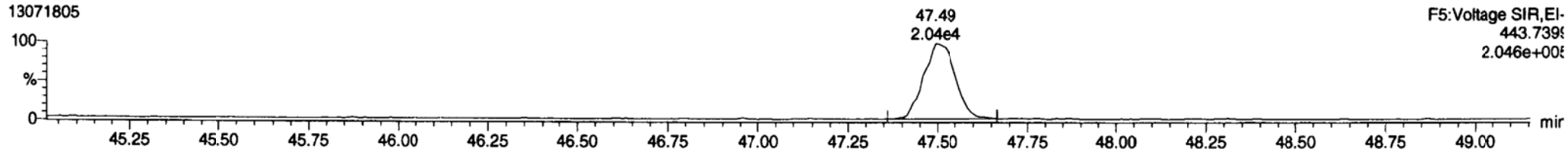
37CL-2378-TCDD



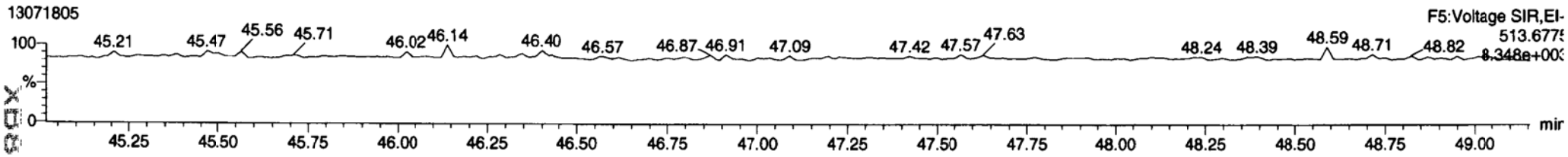
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.063	1.001	1.63e4	2.23e4	0.867	0.733	0.770	273.9	NO	1.955	1.954
12378-PeCDF	30.200	1.001	9.16e4	6.67e4	0.875	1.374	1.550	1172.3	NO	9.767	9.767
23478-PeCDF	31.549	1.001	9.22e4	6.50e4	0.880	1.417	1.550	1199.9	NO	9.820	9.820
123478-HxCDF	35.220	1.001	8.00e4	6.80e4	1.048	1.176	1.240	929.5	NO	9.952	9.952
234678-HxCDF	36.316	1.001	7.66e4	6.55e4	1.088	1.170	1.240	878.6	NO	9.846	9.847
123678-HxCDF	35.363	1.000	8.14e4	6.95e4	1.025	1.172	1.240	952.9	NO	9.909	9.909
123789-HxCDF	37.456	1.000	6.85e4	5.62e4	0.959	1.218	1.240	798.0	NO	10.079	10.079
1234678-HpCDF	39.516	1.001	7.23e4	7.37e4	1.215	0.981	1.050	818.3	NO	9.772	9.772
1234789-HpCDF	42.213	1.000	5.22e4	5.45e4	1.200	0.959	1.050	502.5	NO	9.769	9.769
OCDF	47.511	1.007	8.29e4	9.62e4	1.064	0.862	0.890	975.1	NO	19.014	19.014
2378-TCDD	26.690	1.001	1.42e4	1.72e4	0.994	0.825	0.770	151.5	NO	2.036	2.036
12378-PeCDD	31.801	1.001	6.90e4	4.53e4	0.976	1.521	1.550	1332.1	NO	9.804	9.805
123478-HxCDD	36.447	1.000	6.01e4	4.97e4	0.967	1.210	1.240	920.9	NO	9.807	9.807
123678-HxCDD	36.579	1.001	6.26e4	4.98e4	0.902	1.258	1.240	918.1	NO	10.091	10.091
123789-HxCDD	37.007	1.012	5.75e4	4.82e4	0.914	1.194	1.240	840.9	NO	9.664	9.663
1234678-HpCDD	41.325	1.000	5.10e4	4.85e4	0.999	1.051	1.050	1078.5	NO	9.649	9.649
OCDD	47.233	1.001	8.15e4	8.92e4	0.979	0.913	0.890	1206.5	NO	19.696	19.696
13C-2378-TCDF	26.033	1.007	1.00e6	1.28e6	1.419	0.784	0.770	4705.6	NO		97.384
13C-12378-PeCDF	30.178	1.167	1.13e6	7.24e5	1.158	1.560	1.550	6299.5	NO		97.100
13C-23478-PeCDF	31.527	1.219	1.11e6	7.09e5	1.127	1.569	1.550	6149.1	NO		98.044
13C-123478-HxCDF	35.198	0.952	4.84e5	9.35e5	1.206	0.517	0.510	2968.4	NO		101.438
13C-123678-HxCDF	35.352	0.956	5.13e5	9.73e5	1.266	0.527	0.510	2997.7	NO		101.269
13C-234678-HxCDF	36.294	0.981	4.54e5	8.72e5	1.155	0.521	0.510	2772.7	NO		99.040
13C-123789-HxCDF	37.445	1.012	4.43e5	8.48e5	1.121	0.522	0.510	2709.7	NO		99.351
13C-1234678-HpCDF	39.494	1.068	3.79e5	8.50e5	1.040	0.446	0.440	3587.5	NO		102.022
13C-1234789-HpCDF	42.191	1.141	2.77e5	6.34e5	0.789	0.437	0.440	2242.9	NO		99.545
13C-1234-TCDD	25.854	0.000	7.30e5	9.18e5	1.000	0.795	0.770	3204.6	NO		100.000
13C-2378-TCDD	26.676	1.032	6.84e5	8.68e5	0.962	0.789	0.770	3008.2	NO		97.868
13C-12378-PeCDD	31.778	1.229	7.24e5	4.70e5	0.746	1.541	1.550	10776.7	NO		97.085
13C-123478-HxCDD	36.437	0.985	6.44e5	5.14e5	1.003	1.253	1.240	4342.9	NO		99.559
13C-123678-HxCDD	36.557	0.988	6.82e5	5.53e5	1.052	1.235	1.240	4413.1	NO		101.294
13C-1234678-HpCDD	41.303	1.117	5.30e5	5.03e5	0.880	1.052	1.050	3498.5	NO		101.280
13C-OCDD	47.206	1.276	8.27e5	9.44e5	0.775	0.876	0.890	2515.3	NO		197.168

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	36.985	0.000	6.41e5	5.18e5	1.000	1.238	1.240	4234.8	NO	100.000
Total-tetrafurans			1.63e4		0.867					1.954
Total-penta1			0.00e0							
Total-pentafurans			1.87e5		0.877					19.974
Total-hexafurans			3.08e5		1.030					39.913
Total-heptafurans			1.25e5		1.207					19.567
Total-Furans			7.19e5		1.022					100.423
Total-tetradioxins			1.48e4		0.994					2.105
Total-pentadioxins			6.90e4		0.976					9.805
Total-hexadioxins			1.81e5		0.928					29.615
Total-heptadioxins			5.14e4		0.999					9.707
Total-Dioxins			3.97e5		0.962					70.946
Total-TEQ			1.12e6							171.369
37CL-2378-TCDD	26.690	1.032	3.45e4		1.091			265.7		1.921
FUNCTION1 PFK			6.93e4							
FUNCTION2 PFK			0.00e0							
FUNCTION3 PFK			7.13e5							0.000
FUNCTION4 PFK			3.89e5							
FUNCTION5 PFK			2.58e5							
FUNCTION1 HXCDPE			0.00e0							
FUNCTION1 HPCDPE			8.55e2							0.000
FUNCTION2 HPCDPE			5.08e2							0.000
FUNCTION3 OCDPE			0.00e0							
FUNCTION4 NCDPE			2.70e2							0.000
FUNCTION5 DCDPE			0.00e0							

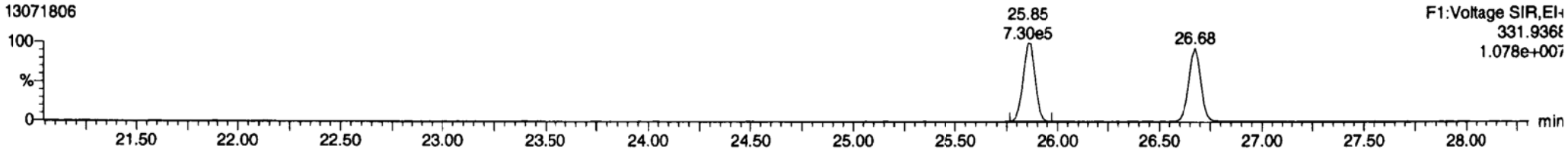
XDC3 : 91521

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

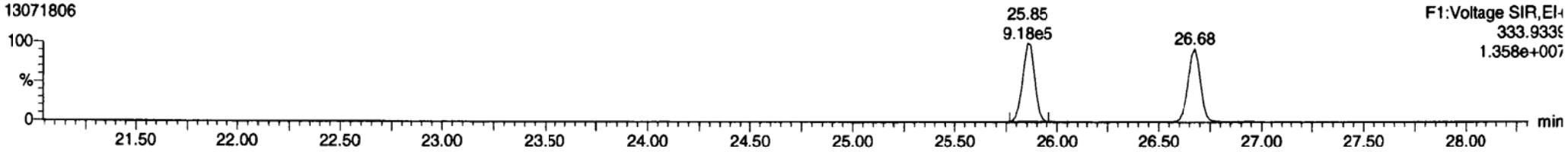
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

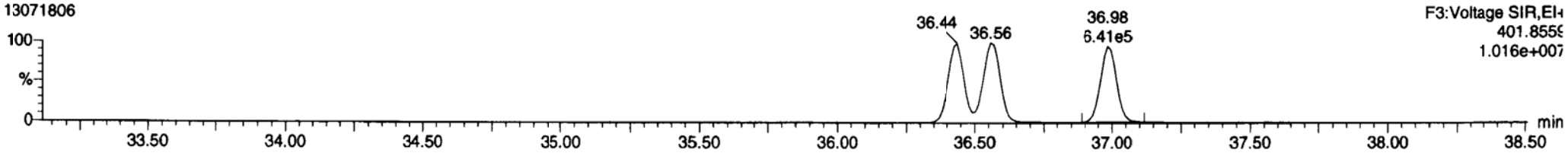
13C-1234-TCDD



13C-1234-TCDD



13C-123789-HxCDD



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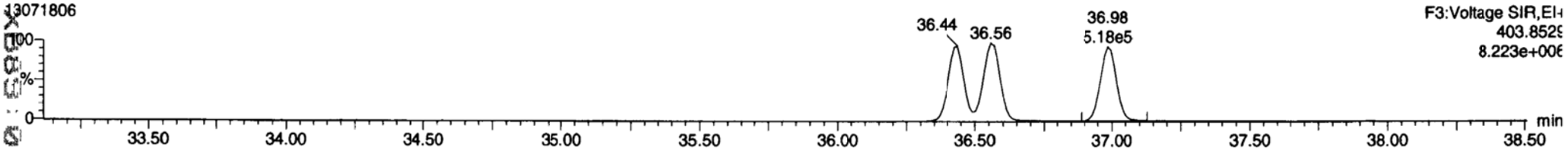

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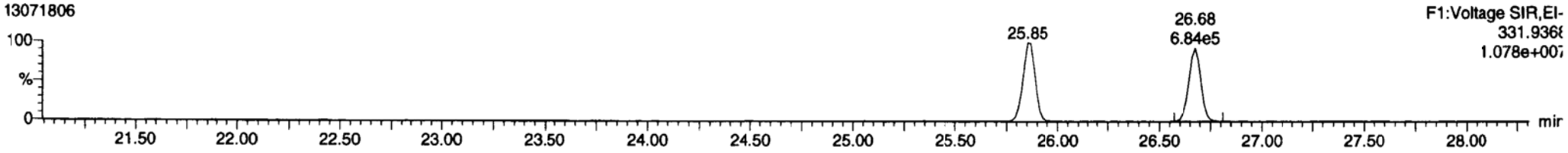
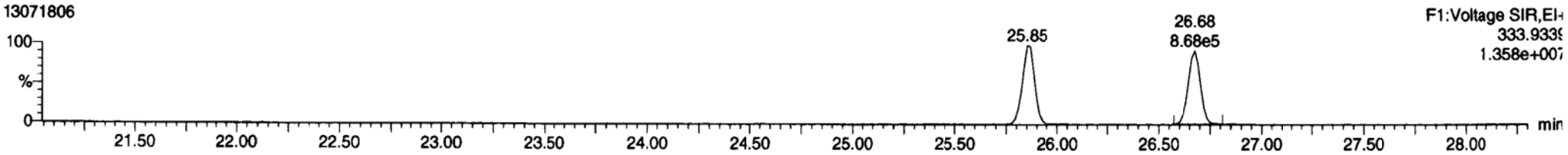
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

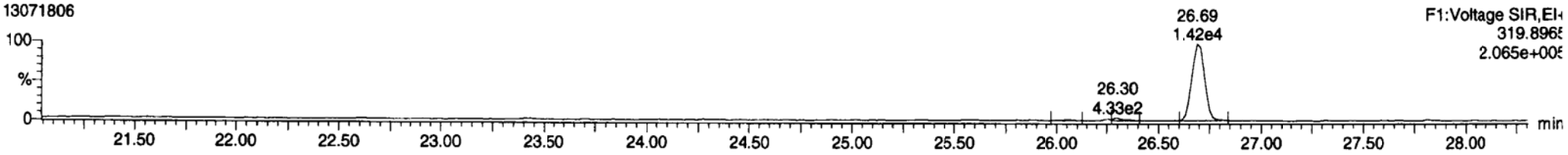
13C-2378-TCDD



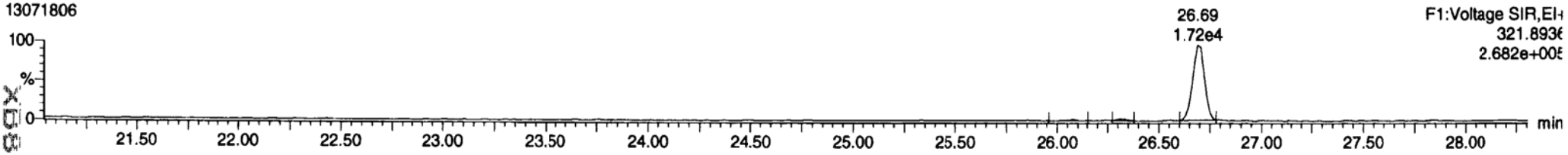
13C-2378-TCDD



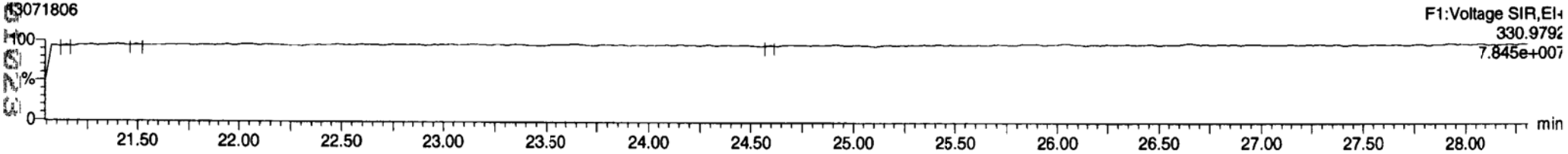
Total-tetradioxins



Total-tetradioxins



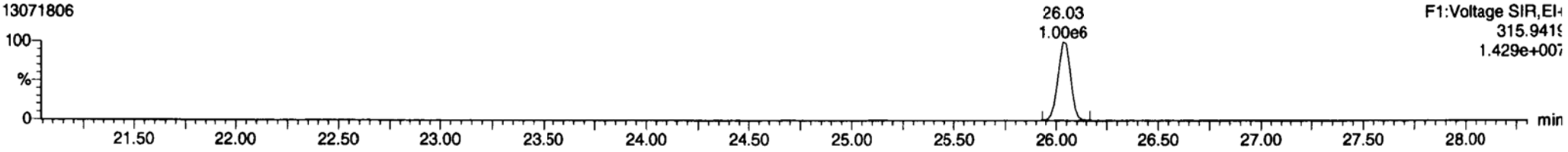
FUNCTION1 PFK



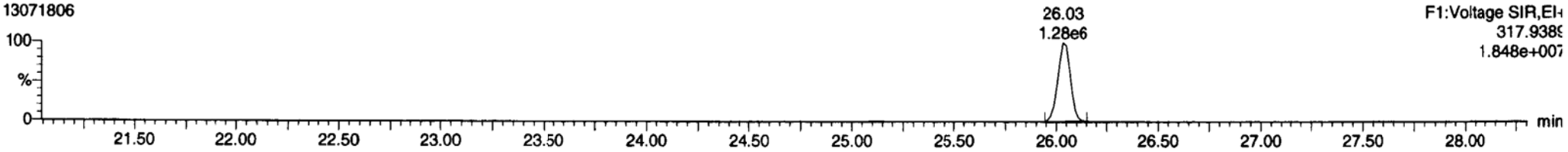
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

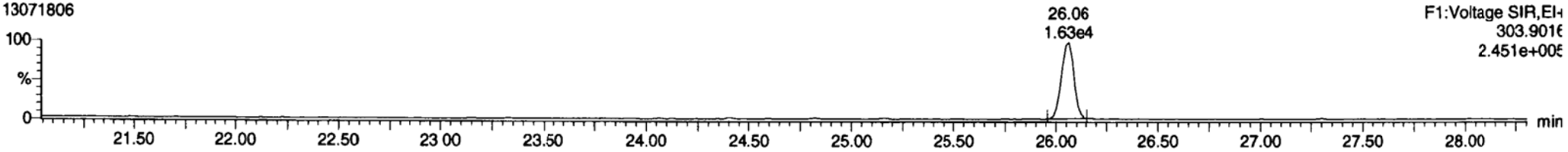
13C-2378-TCDF



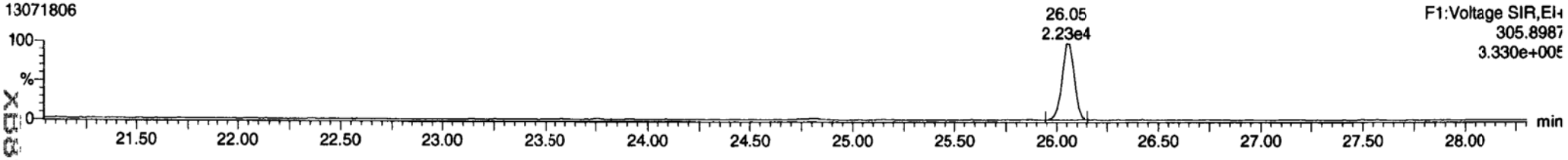
13C-2378-TCDF



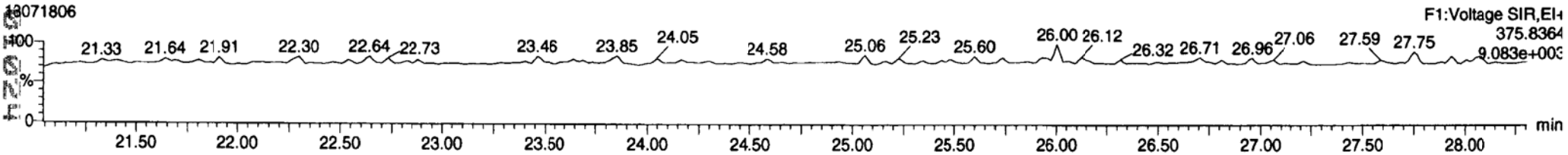
Total-tetrafurans



Total-tetrafurans



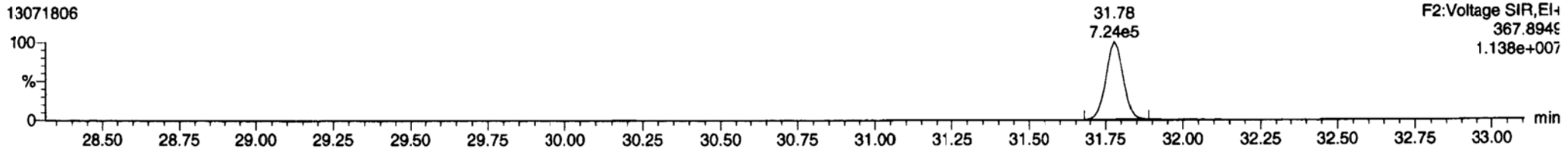
FUNCTION1 HXCDPE



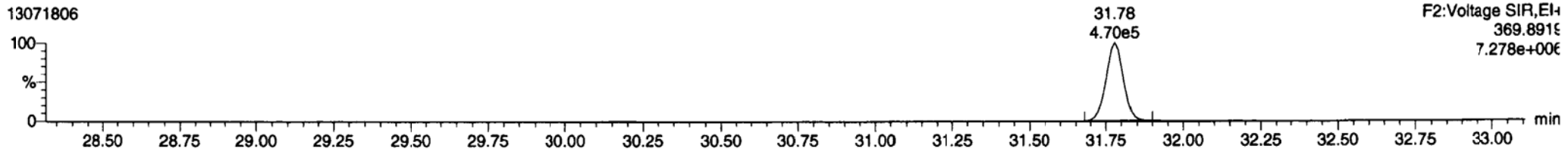
Dataset: P:\DIOXIN6290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

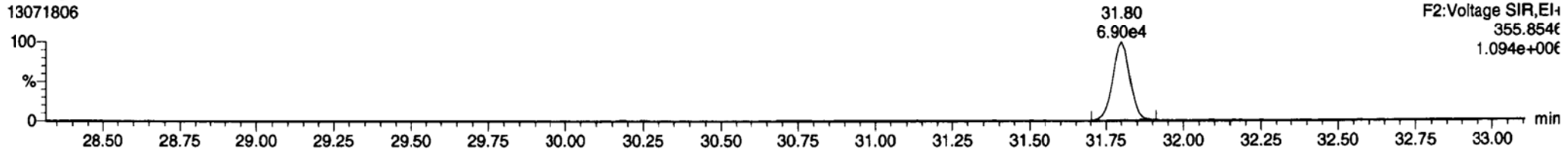
13C-12378-PeCDD



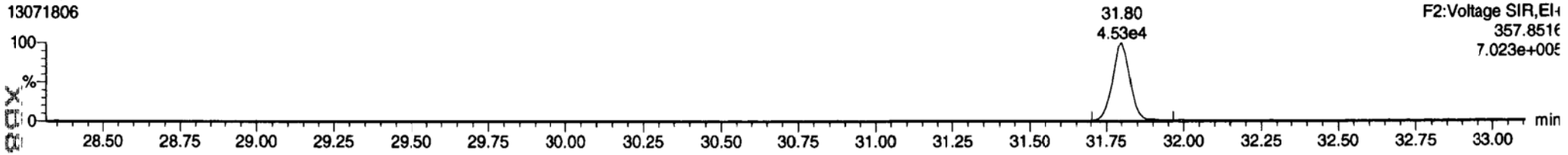
13C-12378-PeCDD



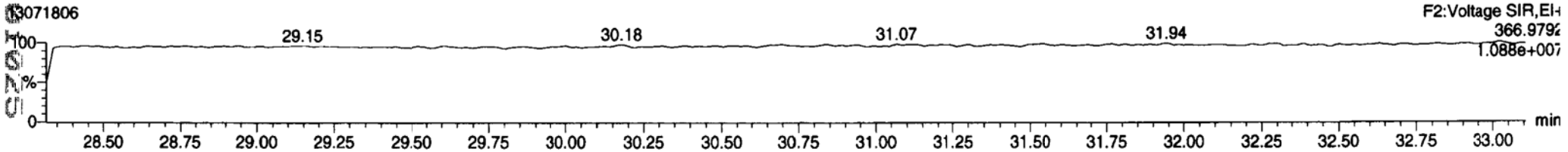
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
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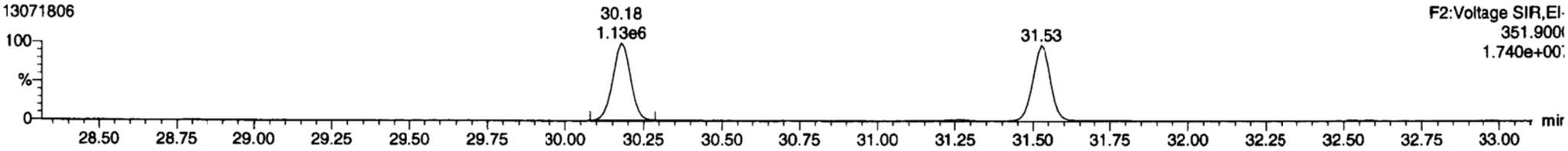
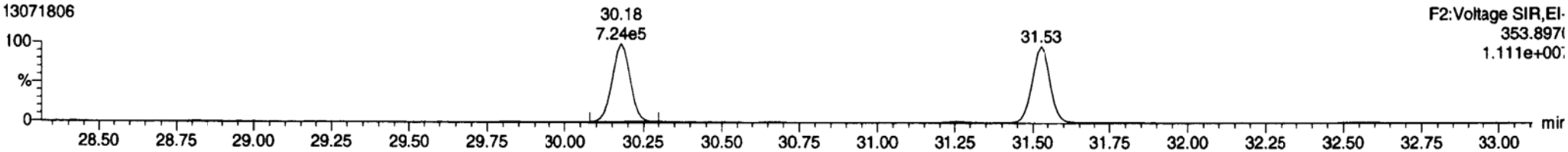
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

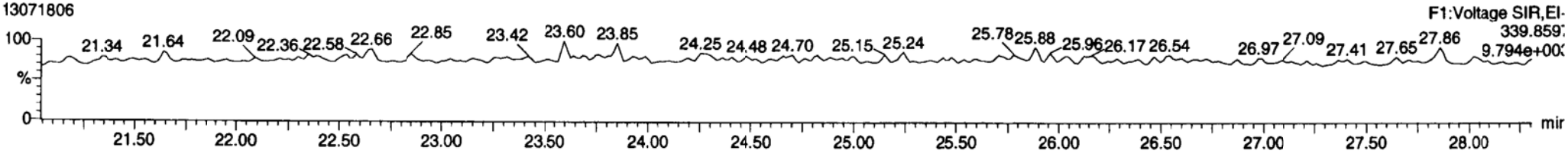
13C-12378-PeCDF



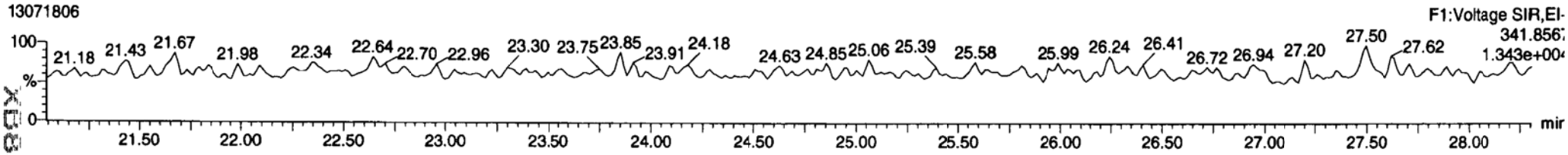
13C-12378-PeCDF



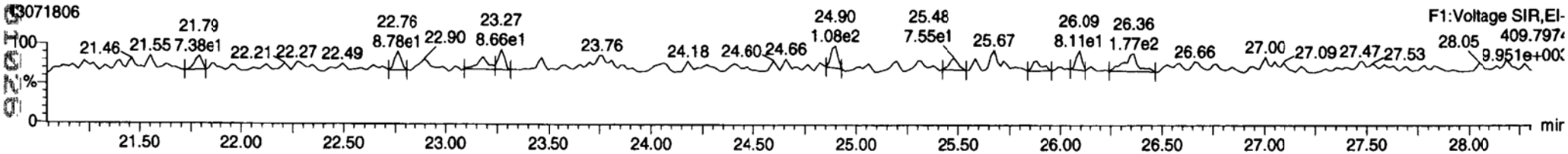
Total-penta1



Total-penta1



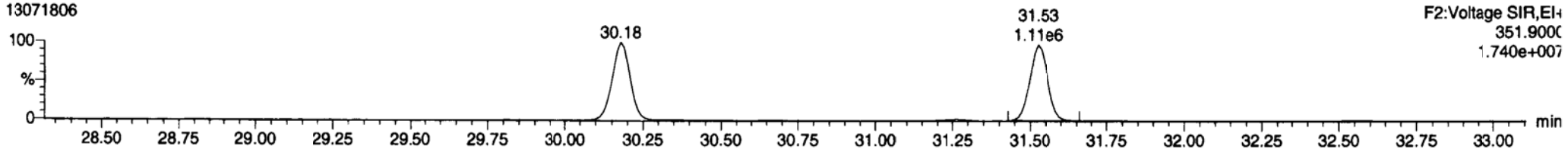
FUNCTION1 HPCDPE



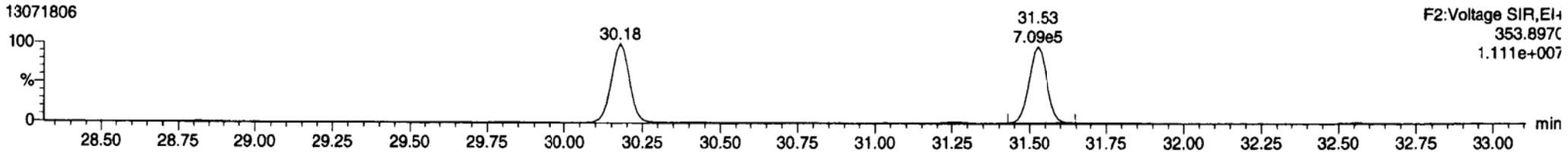
Dataset: P:\DIOXIN8290.PRO\13071806.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

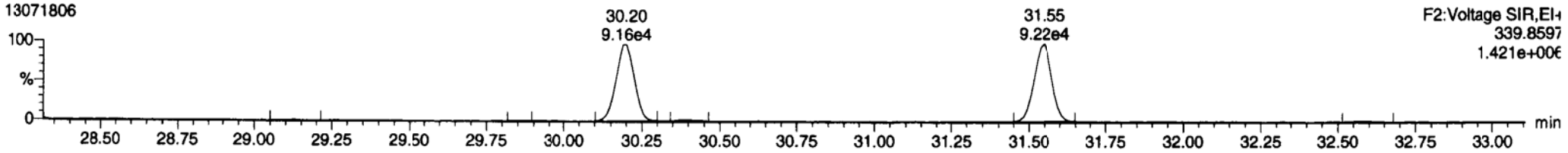
13C-23478-PeCDF



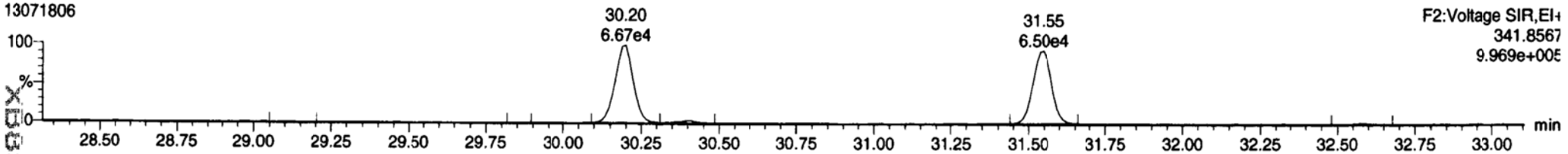
13C-23478-PeCDF



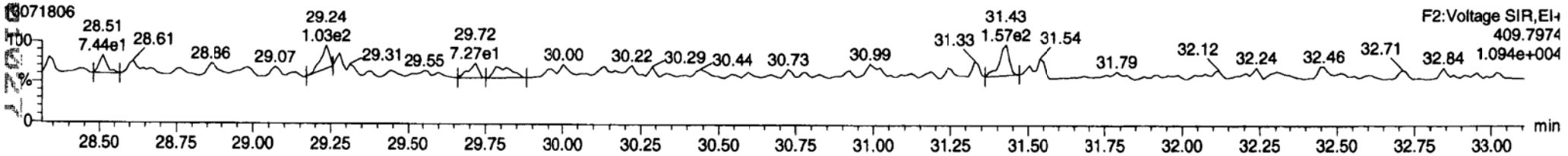
Total-pentafurans



Total-pentafurans



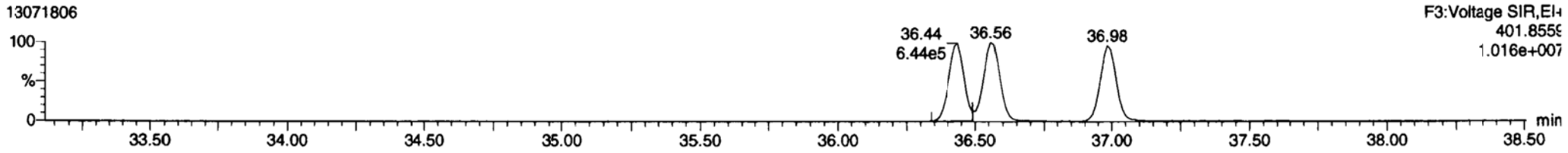
FUNCTION2 HPCDPE



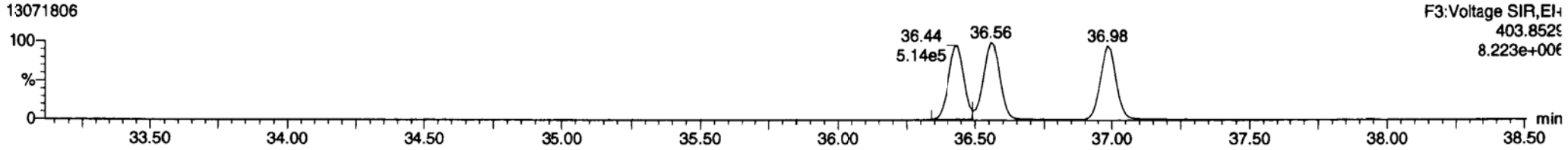
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

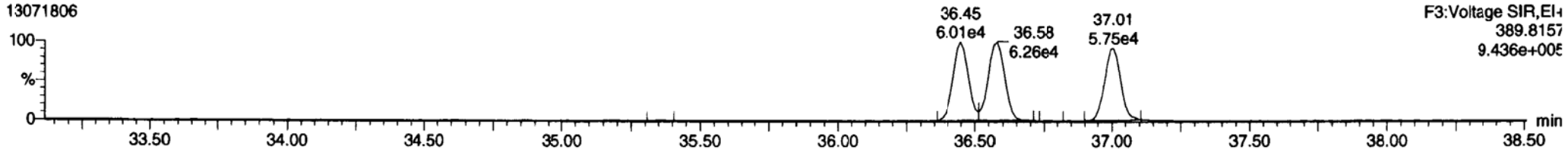
13C-123478-HxCDD



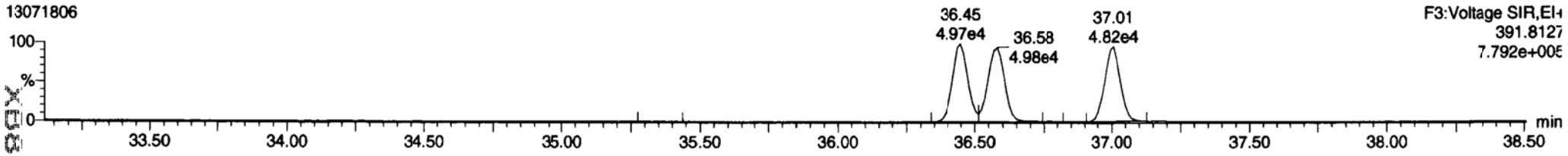
13C-123478-HxCDD



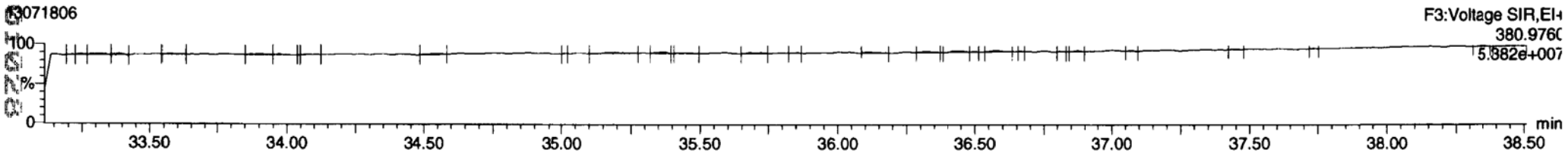
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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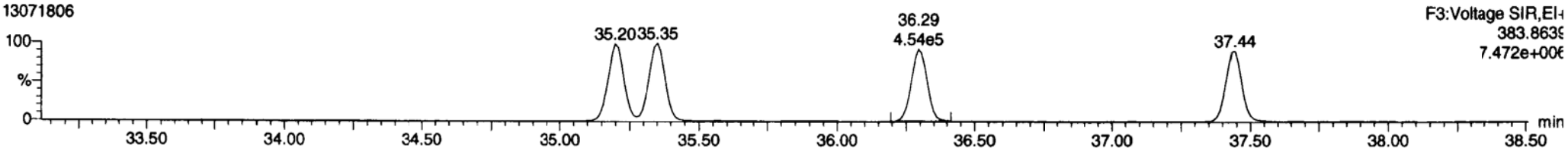
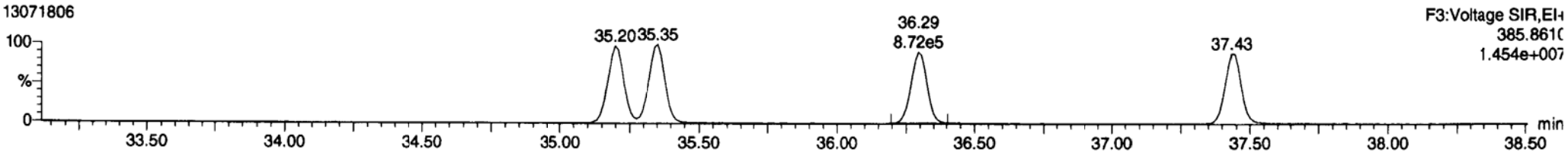
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

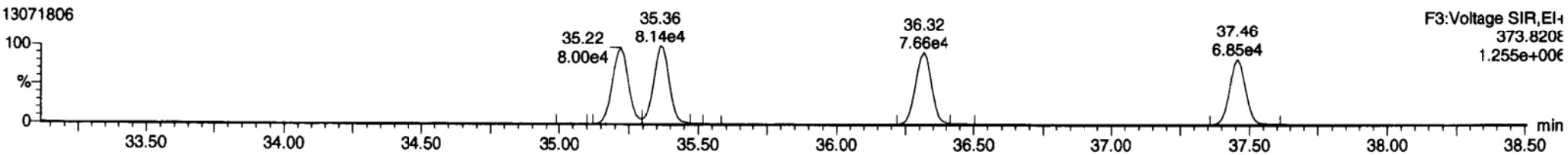
13C-234678-HxCDF



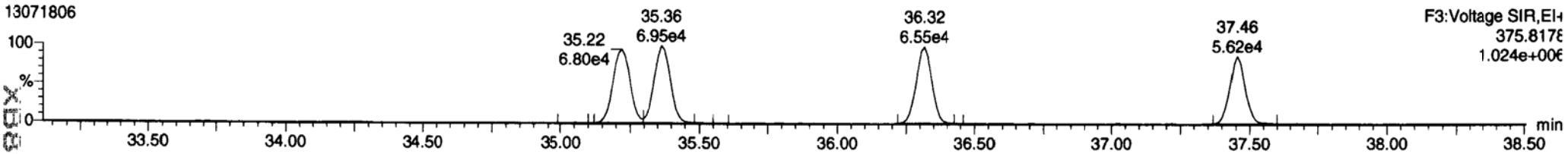
13C-234678-HxCDF



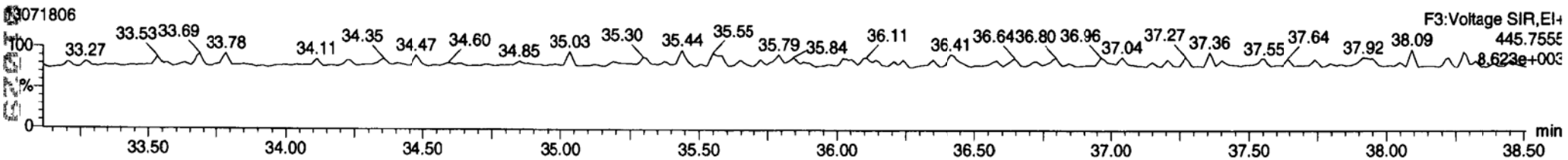
Total-hexafurans



Total-hexafurans



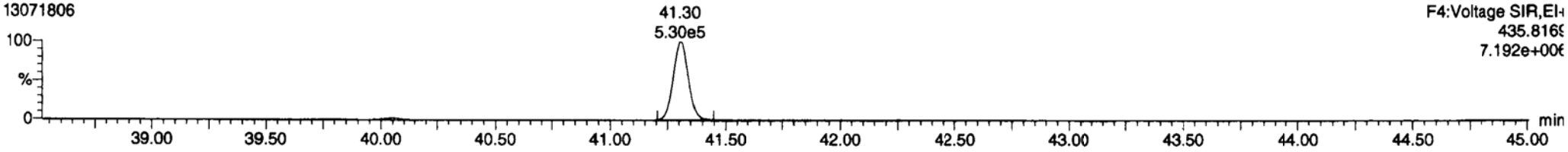
FUNCTION3 OCDPE



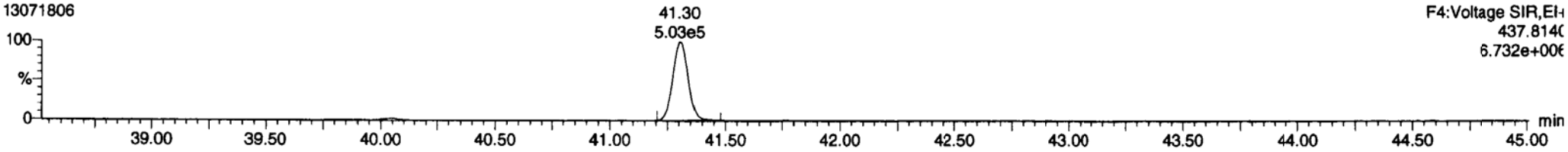
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

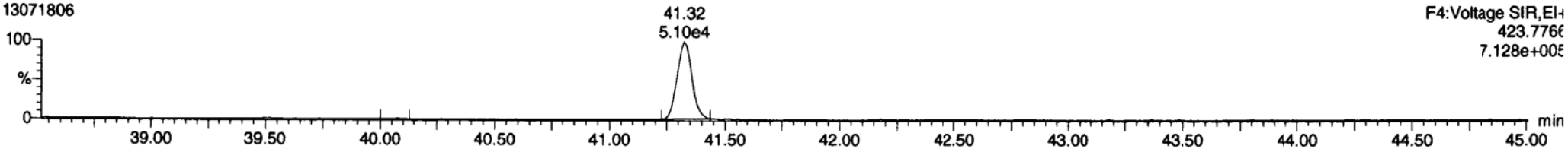
13C-1234678-HpCDD



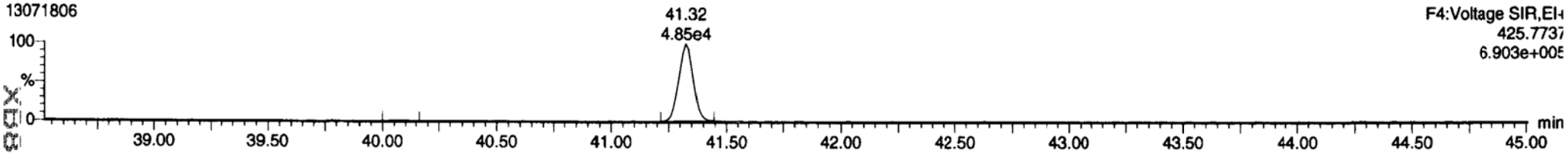
13C-1234678-HpCDD



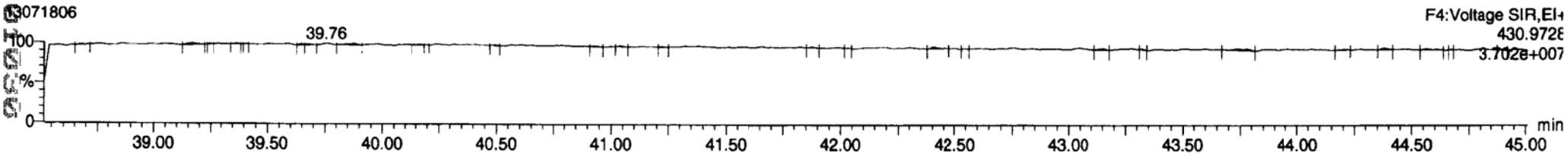
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



Dataset: P:\DIOXIN8290.PRO\13071806.qld
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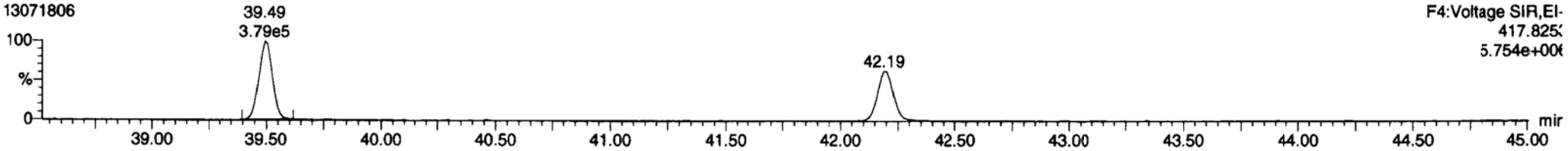
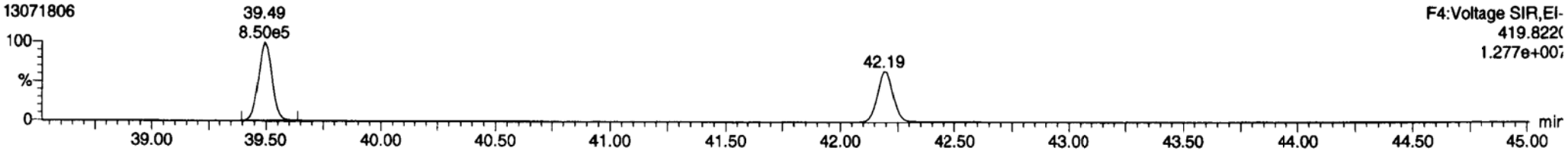
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

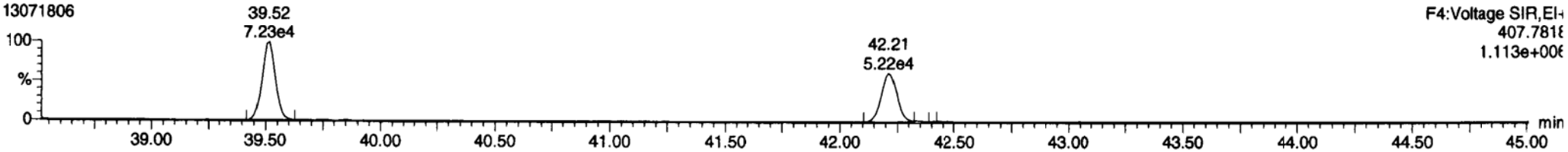
13C-1234678-HpCDF



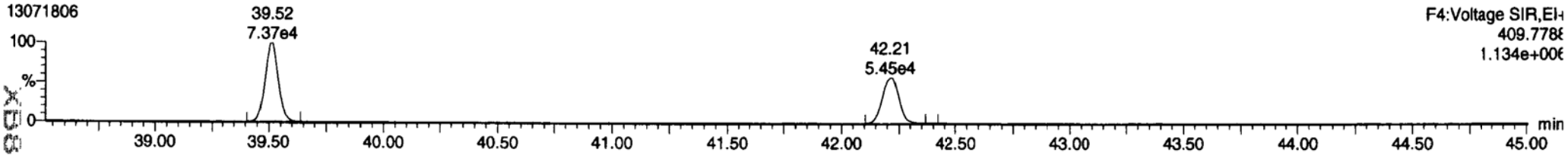
13C-1234678-HpCDF



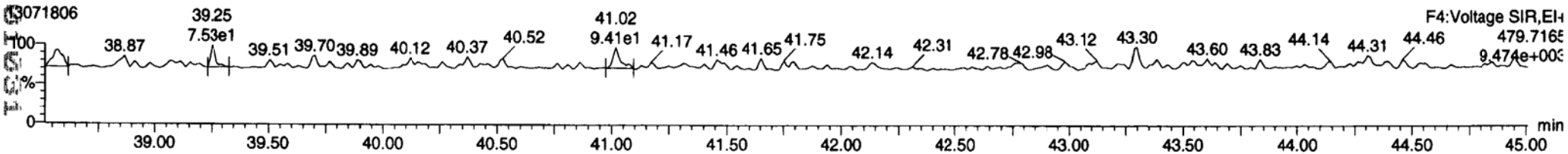
Total-heptafurans



Total-heptafurans



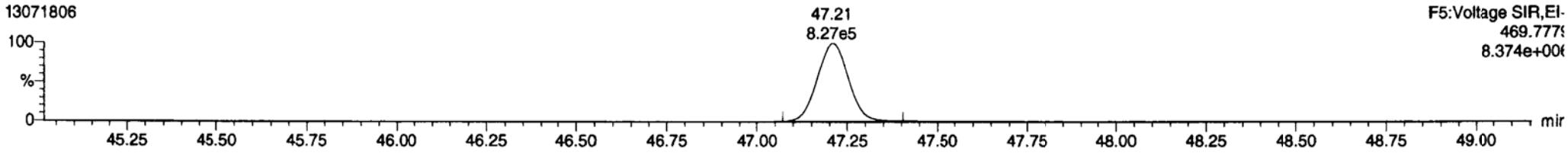
FUNCTION4 NCDPE



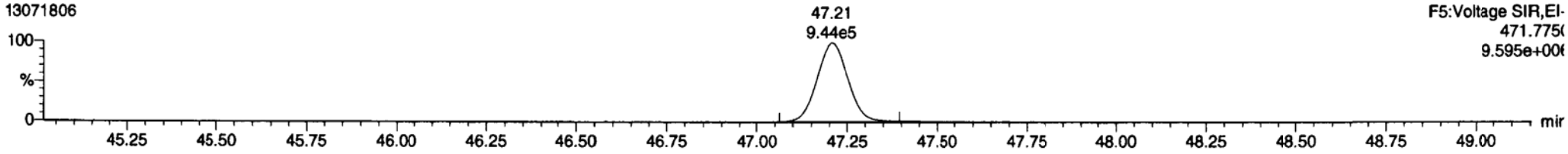
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

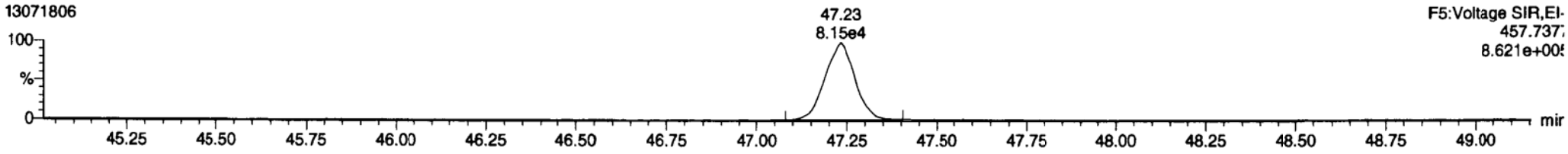
13C-OCDD



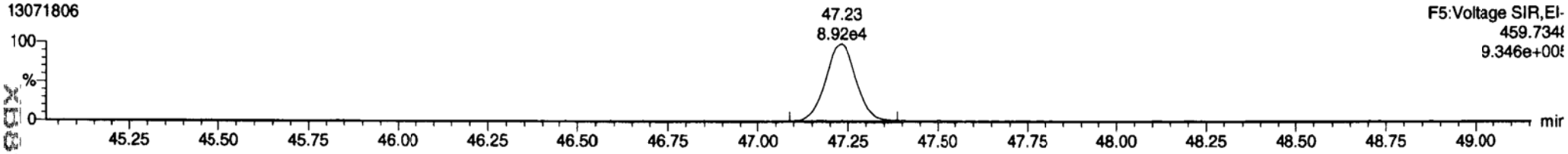
13C-OCDD



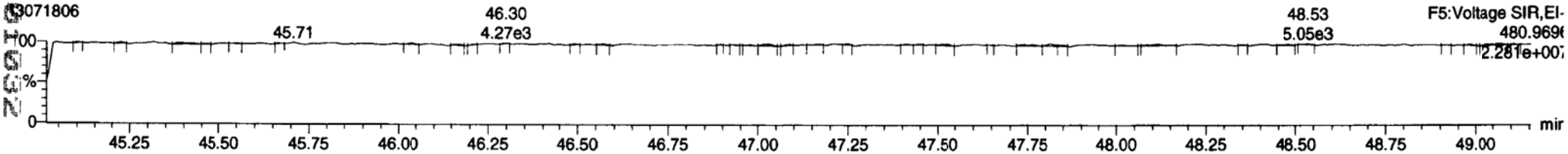
OCDD



OCDD



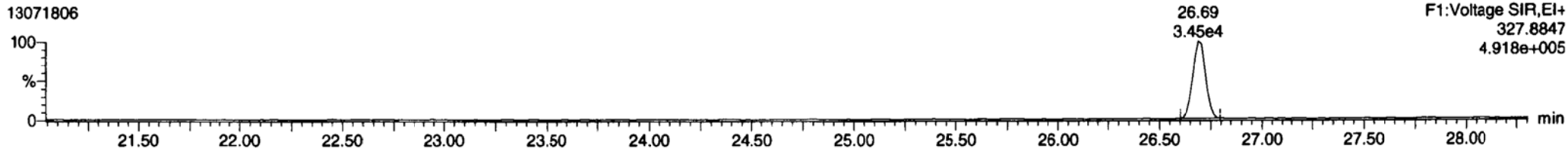
FUNCTION5 PFK



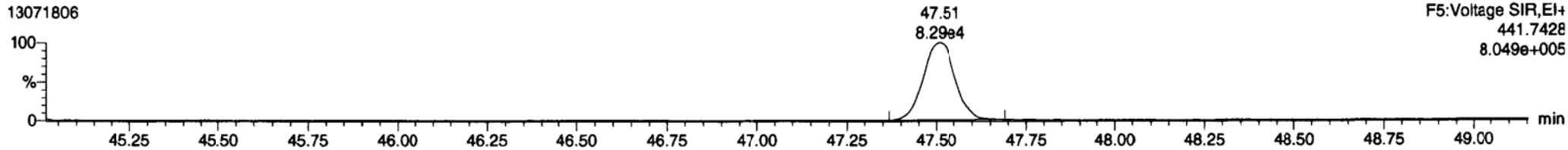
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:43 Pacific Daylight Time

ID: CS2, Name: 13071806, Date: 18-Jul-2013, Time: 16:25:18, Conditions: AUTOSPEC01, User: pk

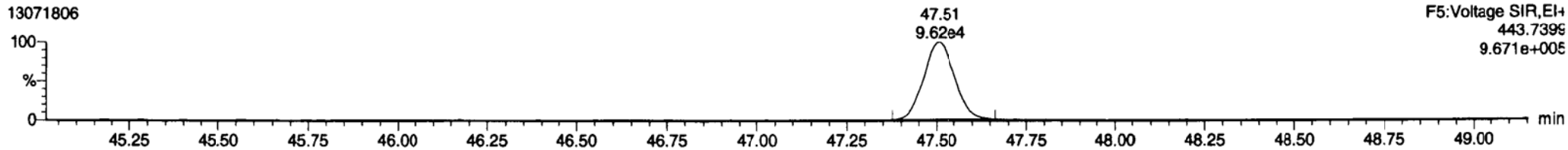
37CL-2378-TCDD



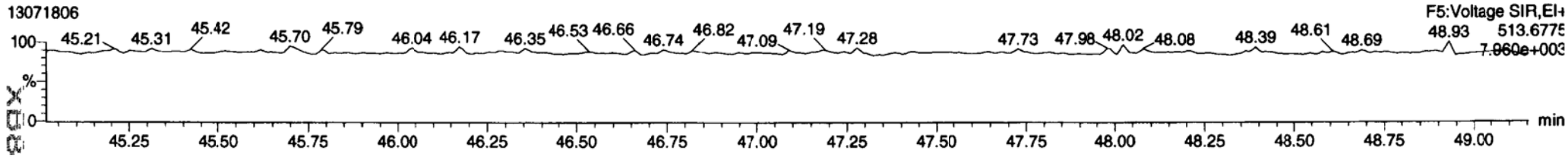
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.048	1.001	6.84e4	9.69e4	0.867	0.706	0.770	803.3	NO	9.689	9.688
12378-PeCDF	30.189	1.001	3.90e5	2.68e5	0.875	1.454	1.550	2933.1	NO	49.335	49.335
23478-PeCDF	31.538	1.000	3.84e5	2.65e5	0.880	1.448	1.550	2987.8	NO	49.769	49.769
123478-HxCDF	35.209	1.001	3.16e5	2.69e5	1.048	1.174	1.240	1979.1	NO	49.045	49.045
234678-HxCDF	36.305	1.001	3.19e5	2.71e5	1.088	1.177	1.240	2034.7	NO	49.927	49.927
123678-HxCDF	35.363	1.001	3.26e5	2.75e5	1.025	1.184	1.240	2042.5	NO	48.862	48.863
123789-HxCDF	37.445	1.000	2.73e5	2.32e5	0.959	1.180	1.240	1755.8	NO	49.410	49.410
1234678-HpCDF	39.506	1.001	2.95e5	3.05e5	1.215	0.967	1.050	2385.2	NO	50.104	50.104
1234789-HpCDF	42.202	1.000	2.31e5	2.28e5	1.200	1.012	1.050	1649.5	NO	50.336	50.336
OCDF	47.502	1.006	3.45e5	4.09e5	1.064	0.842	0.890	2261.8	NO	97.779	97.780
2378-TCDD	26.691	1.001	5.79e4	7.37e4	0.994	0.786	0.770	843.7	NO	9.852	9.853
12378-PeCDD	31.789	1.001	2.87e5	1.83e5	0.976	1.566	1.550	2170.3	NO	49.095	49.096
123478-HxCDD	36.437	1.000	2.55e5	2.04e5	0.967	1.250	1.240	2464.6	NO	49.774	49.774
123678-HxCDD	36.569	1.000	2.49e5	2.01e5	0.902	1.236	1.240	2441.5	NO	50.163	50.163
123789-HxCDD	36.996	1.012	2.45e5	1.98e5	0.914	1.236	1.240	2360.9	NO	49.714	49.714
1234678-HpCDD	41.325	1.000	2.12e5	2.02e5	0.999	1.051	1.050	1935.5	NO	49.581	49.581
OCDD	47.224	1.000	3.29e5	3.73e5	0.979	0.882	0.890	3397.1	NO	99.036	99.035
13C-2378-TCDF	26.033	1.007	8.58e5	1.11e6	1.419	0.773	0.770	4436.9	NO		98.498
13C-12378-PeCDF	30.167	1.167	9.33e5	5.91e5	1.158	1.580	1.550	6118.8	NO		93.377
13C-23478-PeCDF	31.527	1.219	9.04e5	5.81e5	1.127	1.556	1.550	6045.9	NO		93.533
13C-123478-HxCDF	35.188	0.951	3.87e5	7.50e5	1.206	0.516	0.510	971.9	NO		99.650
13C-123678-HxCDF	35.341	0.956	4.08e5	7.93e5	1.266	0.515	0.510	1040.6	NO		100.288
13C-234678-HxCDF	36.284	0.981	3.68e5	7.17e5	1.155	0.513	0.510	920.0	NO		99.235
13C-123789-HxCDF	37.434	1.012	3.66e5	6.99e5	1.121	0.525	0.510	947.4	NO		100.449
13C-1234678-HpCDF	39.484	1.068	3.05e5	6.81e5	1.040	0.448	0.440	3228.2	NO		100.213
13C-1234789-HpCDF	42.191	1.141	2.31e5	5.28e5	0.789	0.438	0.440	2178.9	NO		101.696
13C-1234-TCDD	25.854	0.000	6.25e5	7.84e5	1.000	0.798	0.770	2382.7	NO		100.000
13C-2378-TCDD	26.661	1.031	5.89e5	7.56e5	0.962	0.779	0.770	2172.4	NO		99.192
13C-12378-PeCDD	31.768	1.229	6.02e5	3.78e5	0.746	1.593	1.550	7836.6	NO		93.233
13C-123478-HxCDD	36.426	0.985	5.32e5	4.23e5	1.003	1.258	1.240	3596.5	NO		100.624
13C-123678-HxCDD	36.557	0.988	5.50e5	4.44e5	1.052	1.241	1.240	3682.8	NO		99.874
13C-1234678-HpCDD	41.303	1.117	4.30e5	4.06e5	0.880	1.058	1.050	4094.1	NO		100.421
13C-OCDD	47.207	1.276	6.80e5	7.69e5	0.775	0.884	0.890	4434.2	NO		197.715

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

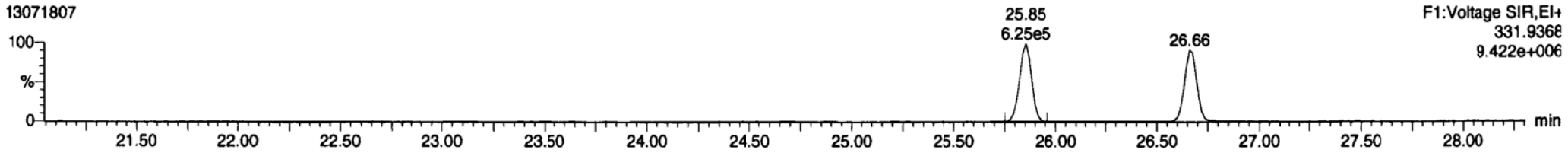
13C-123789-HxCDD	36.985	0.000	5.19e5	4.27e5	1.000	1.213	1.240	3407.5	NO		100.000
Total-tetrafurans			2.22e5		0.867						31.305
Total-penta1			5.98e5								72.061
Total-pentafurans			1.17e6		0.877						148.959
Total-hexafurans			1.61e6		1.030						256.514
Total-heptafurans			5.26e5		1.207						100.621
Total-Furans			4.47e6		1.022						707.275
Total-tetradioxins			3.22e5		0.994						55.365
Total-pentadioxins			1.00e6		0.976						172.257
Total-hexadioxins			1.08e6		0.928						215.171
Total-heptadioxins			4.56e5		0.999						107.020
Total-Dioxins			3.18e6		0.962						648.848
Total-TEQ			7.65e6								1356.123
37CL-2378-TCDD	26.691	1.032	1.45e5		1.091			1342.5			9.412
FUNCTION1 PFK			1.69e5								
FUNCTION2 PFK			1.33e5								0.000
FUNCTION3 PFK			9.02e5								0.000
FUNCTION4 PFK			1.79e5								
FUNCTION5 PFK			4.36e3								
FUNCTION1 HXCDPE			0.00e0								
FUNCTION1 HPCDPE			6.00e2								0.000
FUNCTION2 HPCDPE			8.52e2								0.000
FUNCTION3 OCDPE			0.00e0								
FUNCTION4 NCDPE			0.00e0								
FUNCTION5 DCDPE			0.00e0								

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

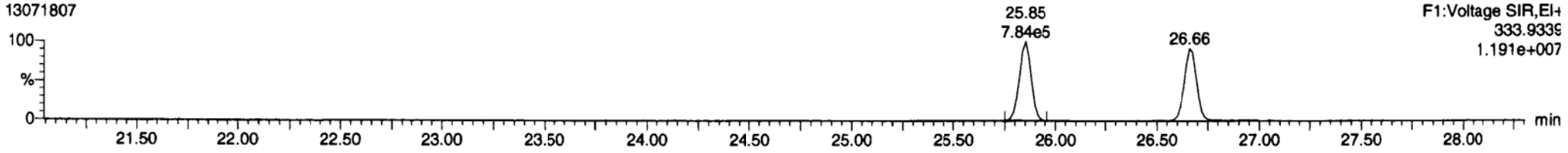
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



13C-1234-TCDD



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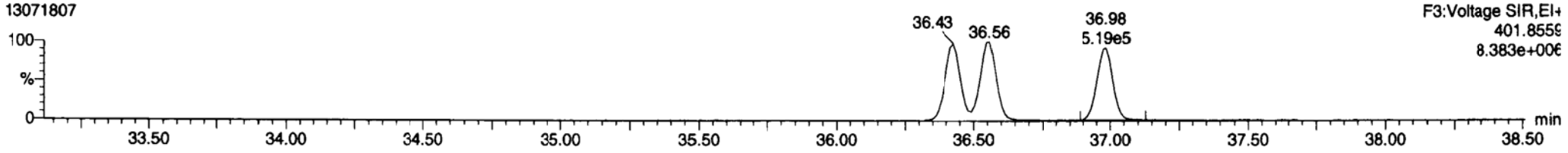
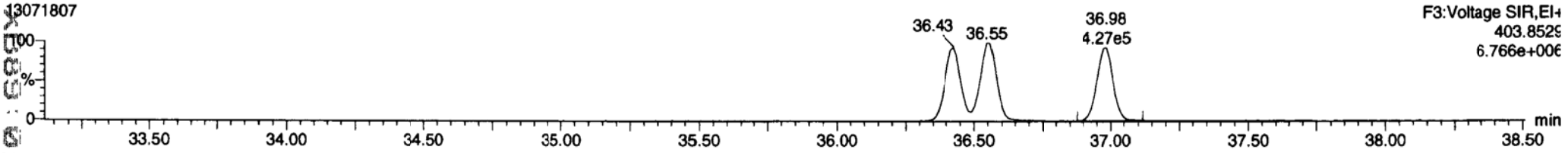


13C-123789-HxCDD



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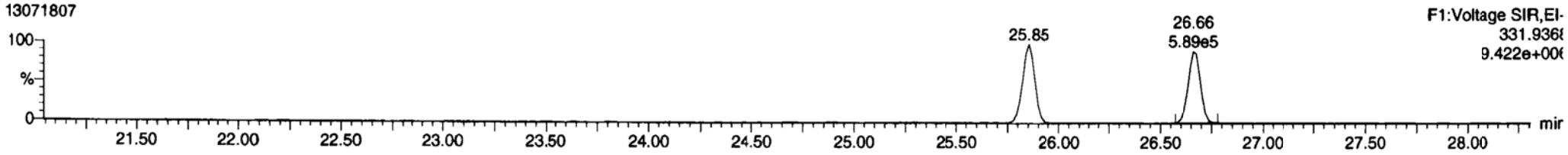
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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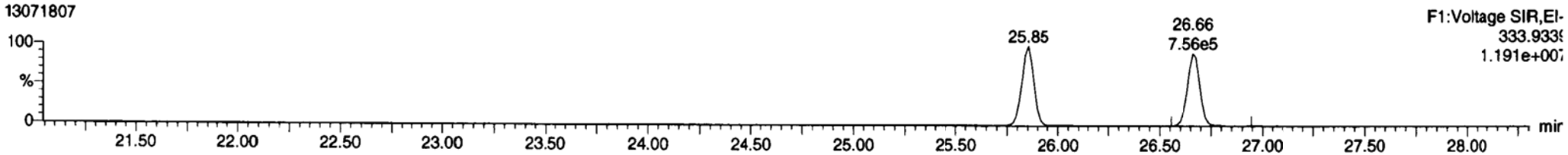
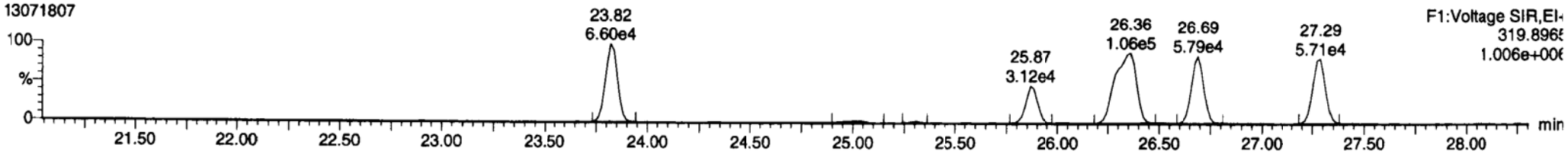
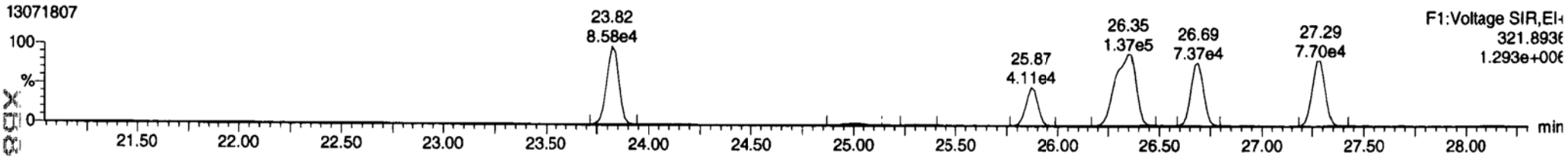


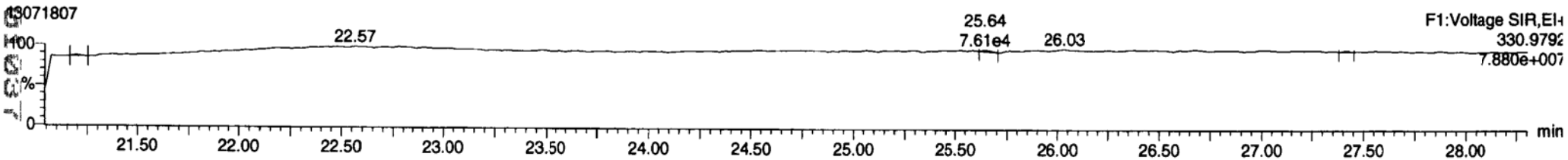
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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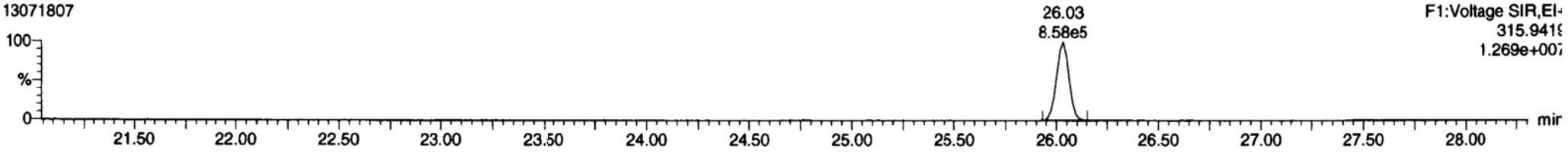
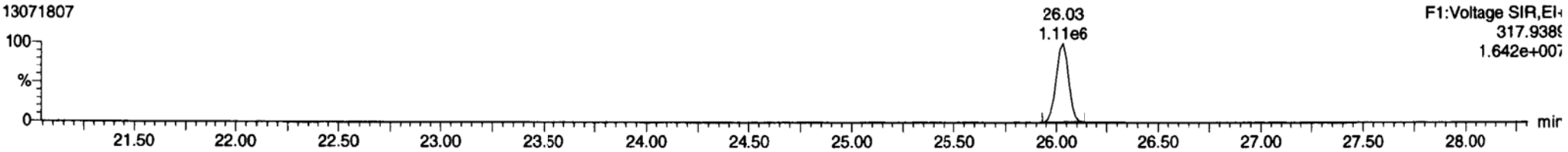
ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

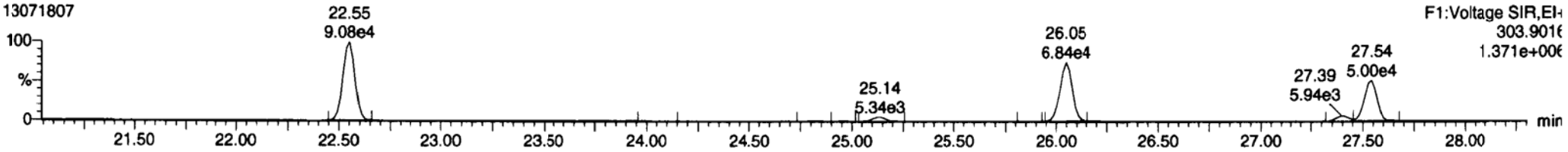
13C-2378-TCDF



13C-2378-TCDF



Total-tetrafurans



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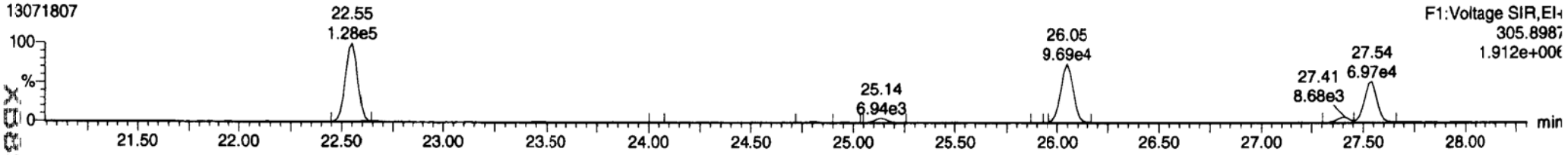
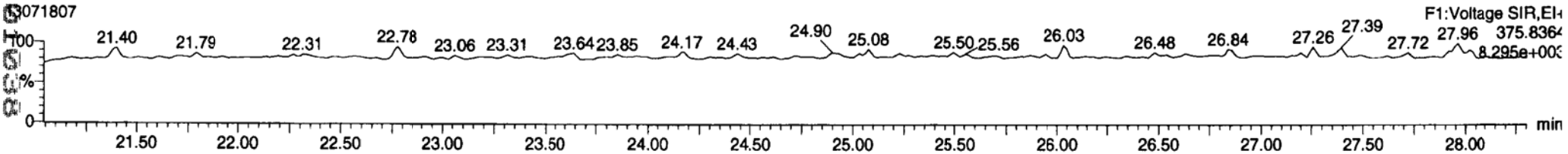


FUNCTION1 HXCDPE



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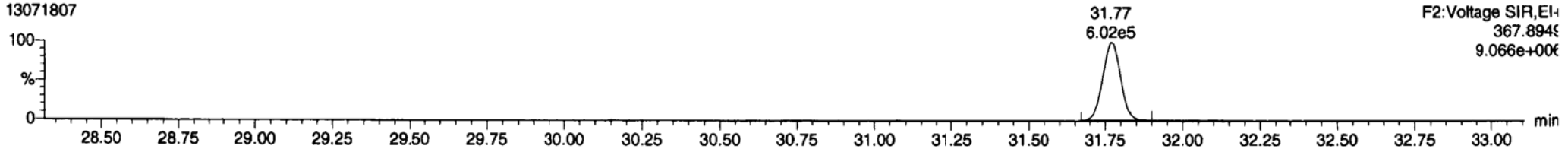
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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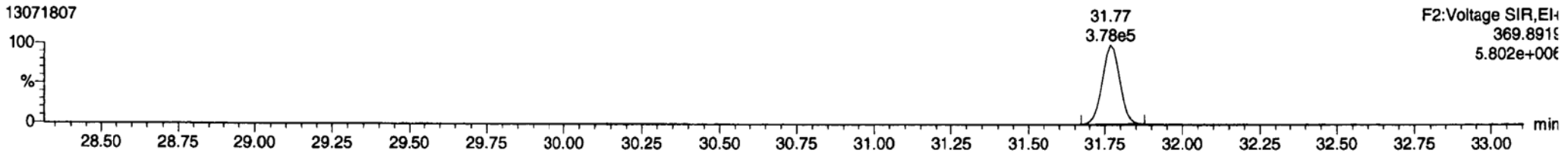
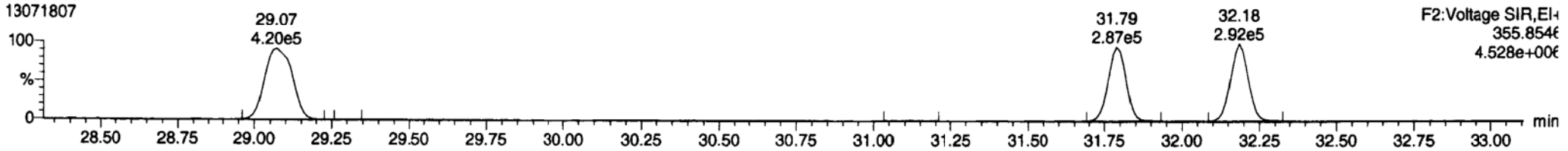
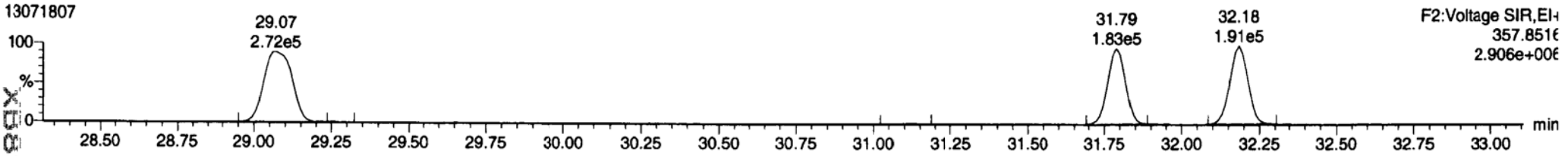


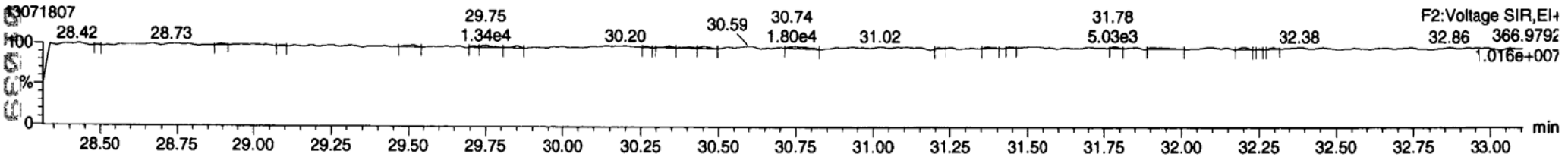
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
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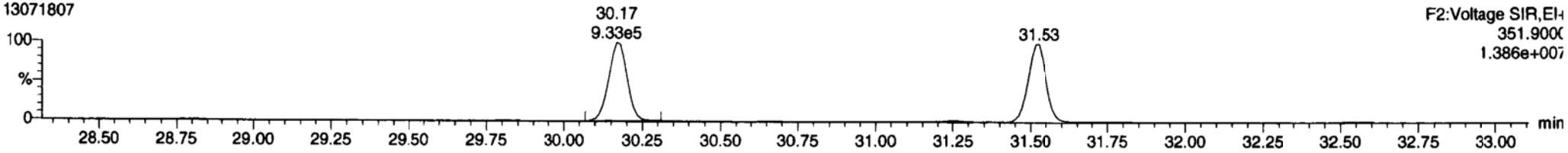
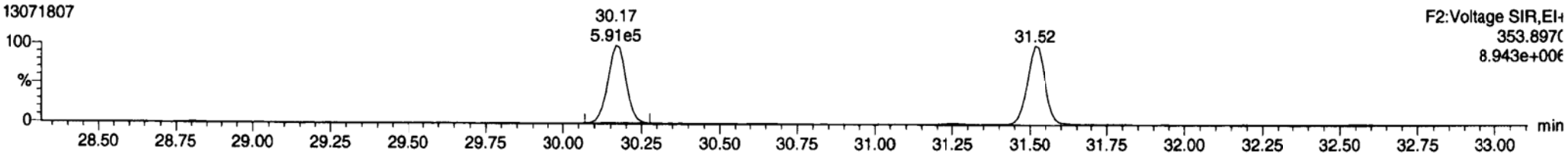
ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

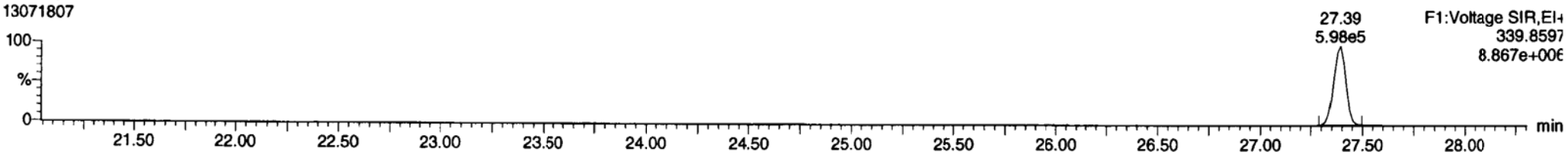
13C-12378-PeCDF



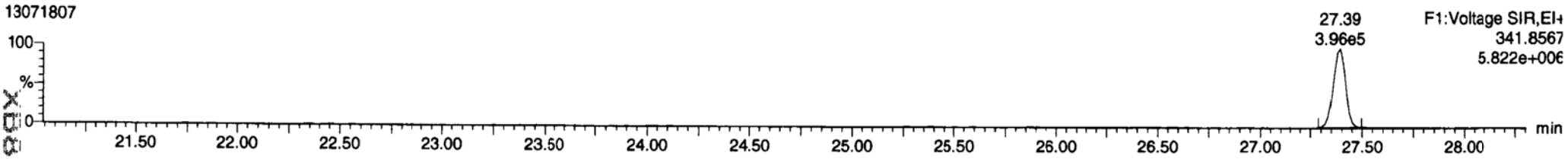
13C-12378-PeCDF



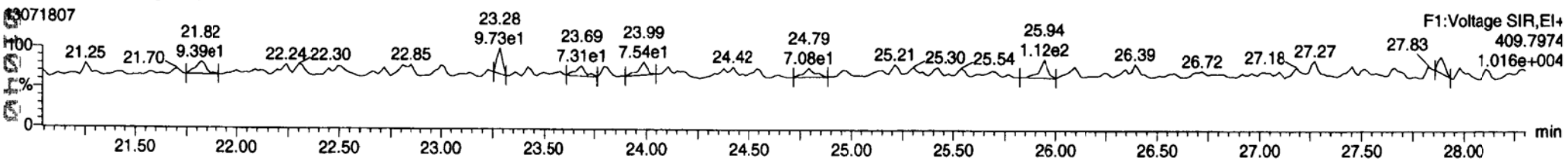
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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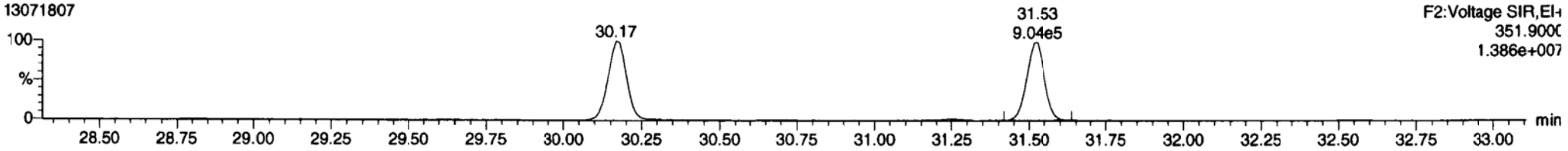
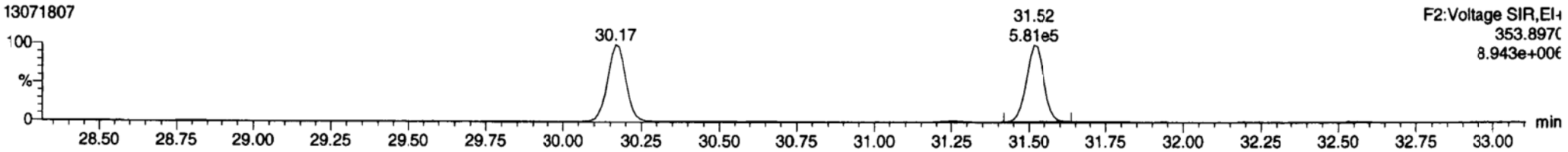
ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

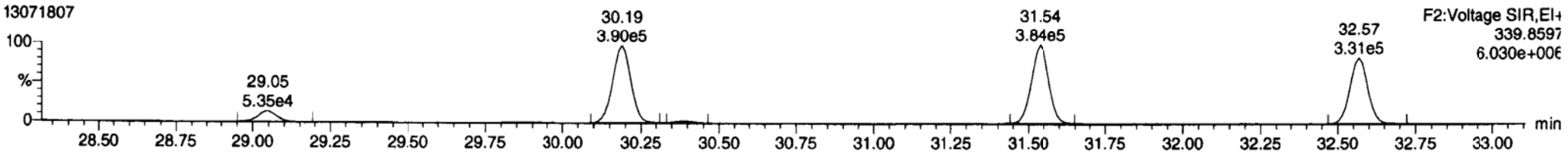
13C-23478-PeCDF



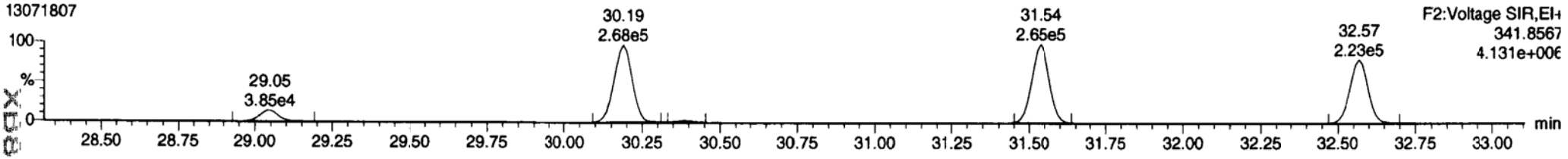
13C-23478-PeCDF



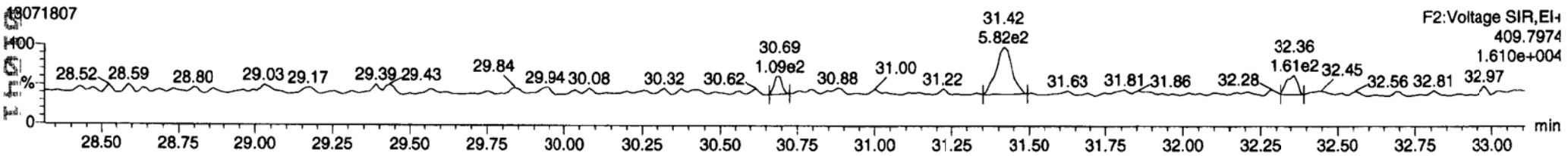
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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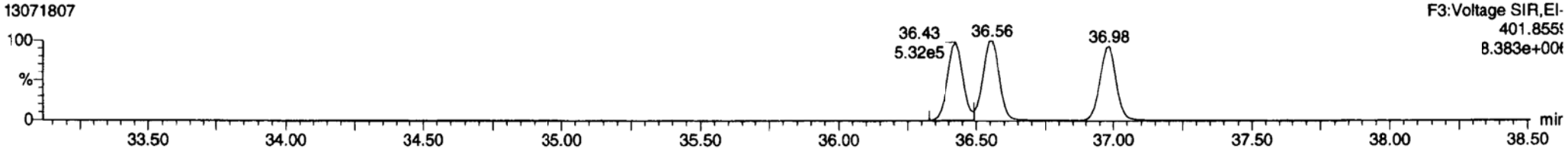
13C-123478-HxCDD



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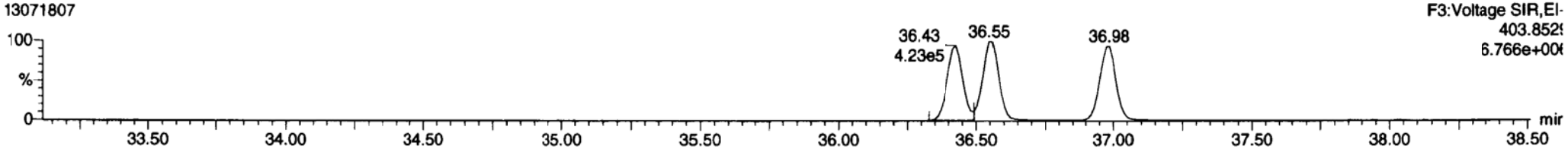
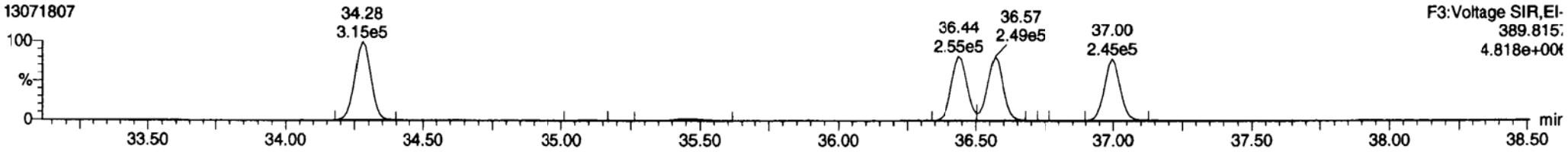
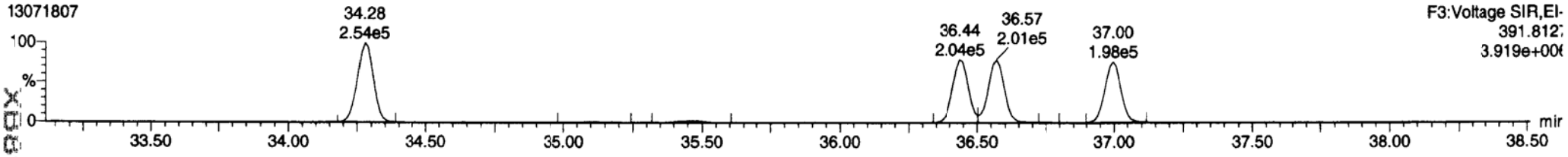


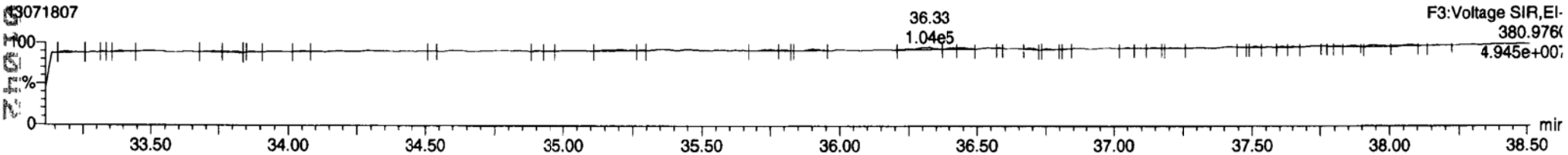
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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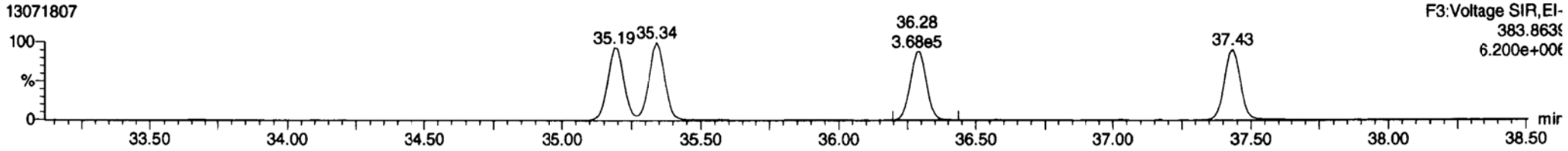
13C-234678-HxCDF



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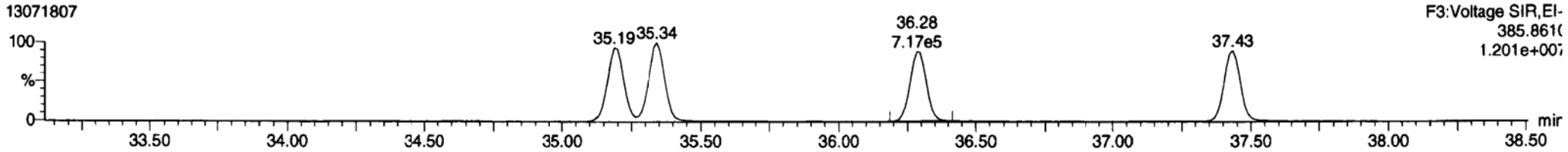
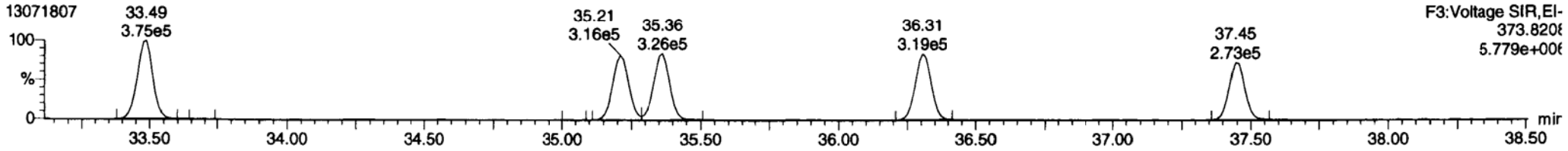
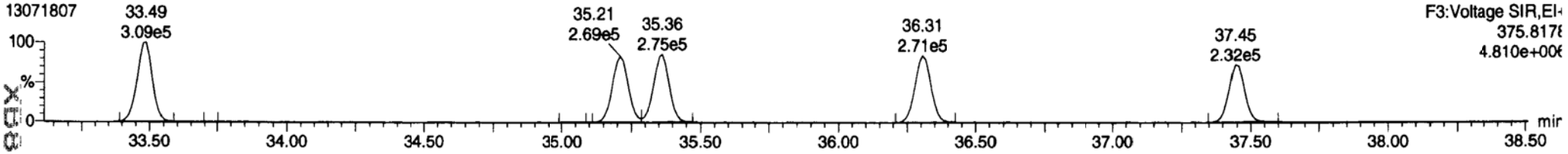


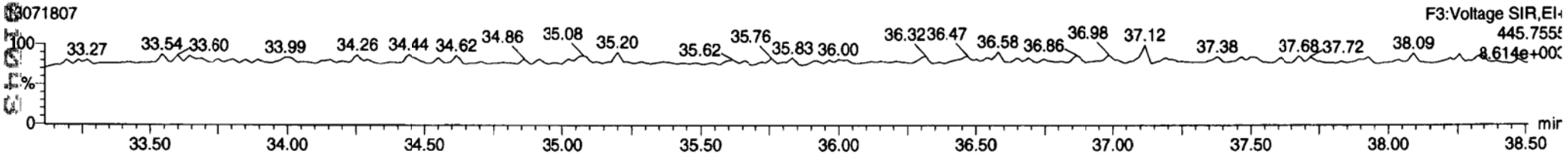
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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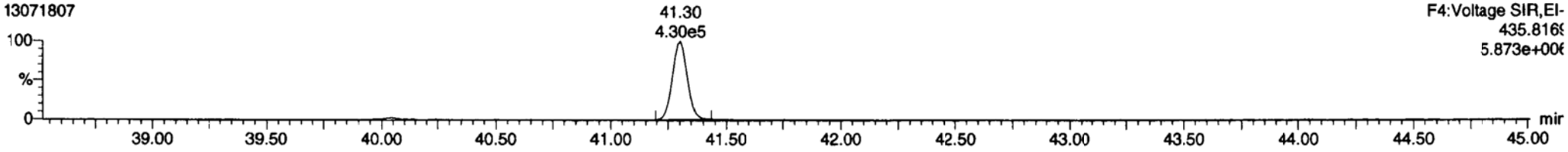
13C-1234678-HpCDD



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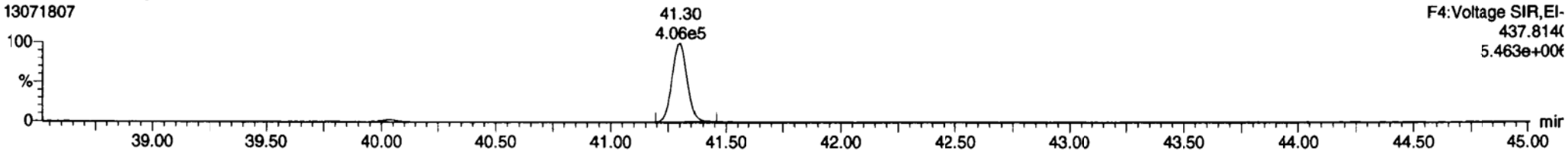
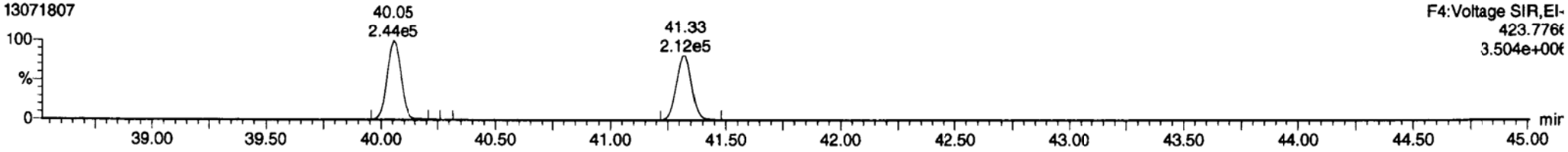
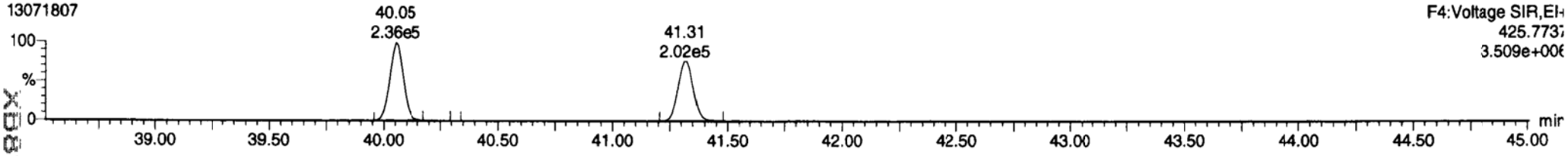


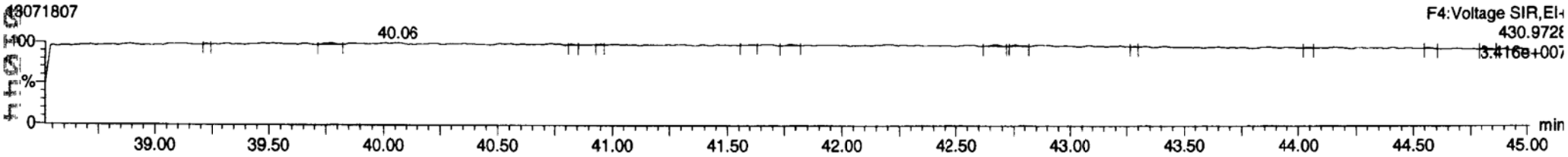
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
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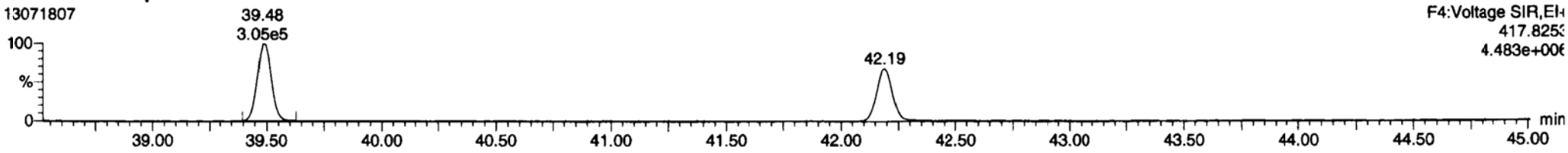
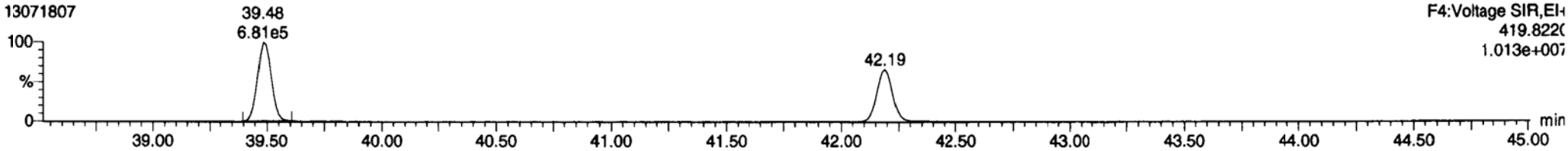
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

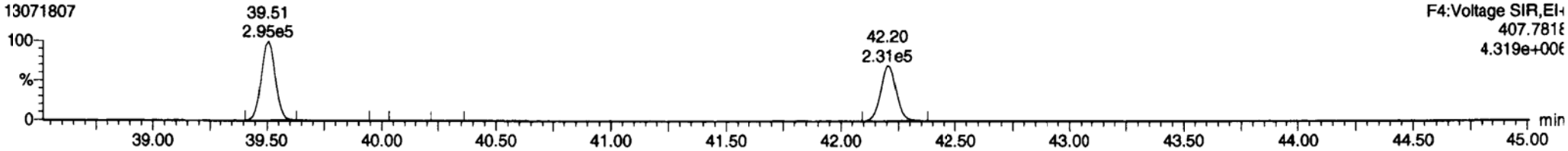
13C-1234678-HpCDF



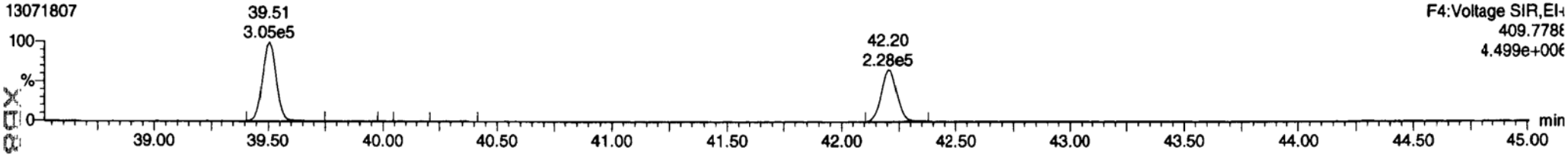
13C-1234678-HpCDF



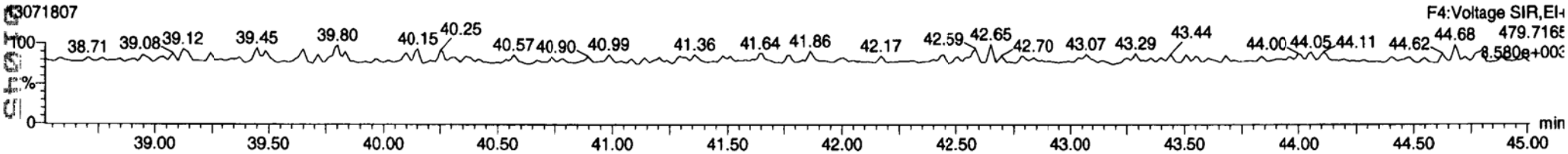
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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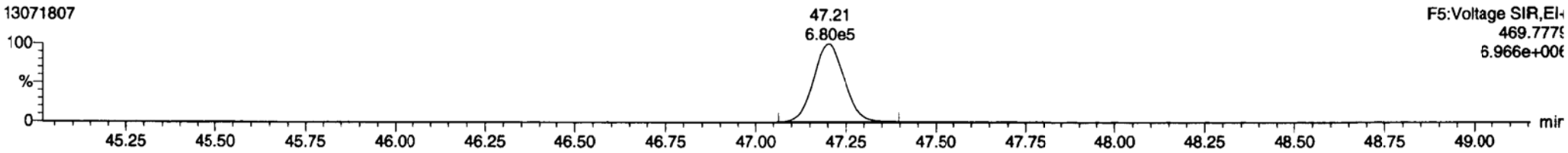
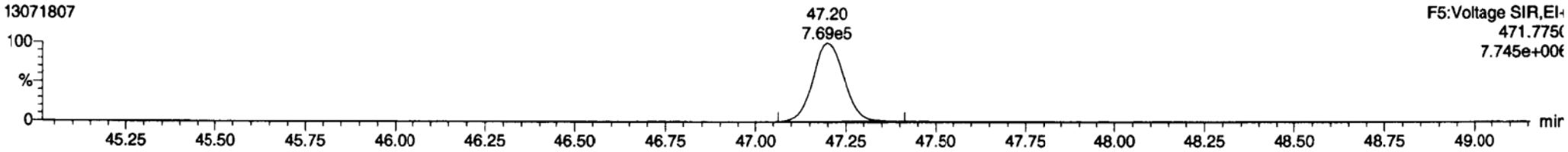
ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

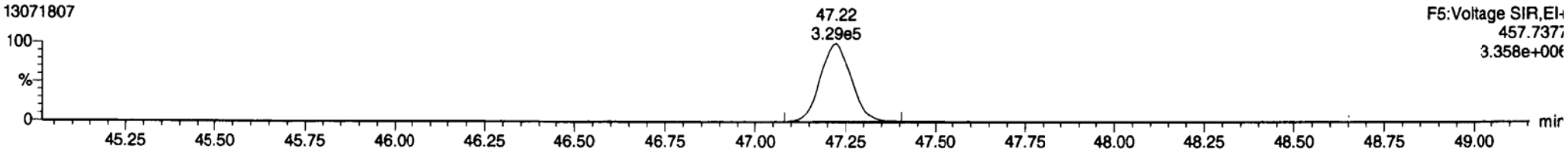
13C-OCDD



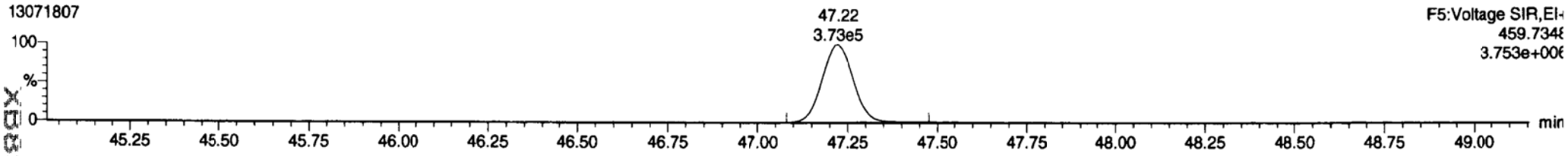
13C-OCDD



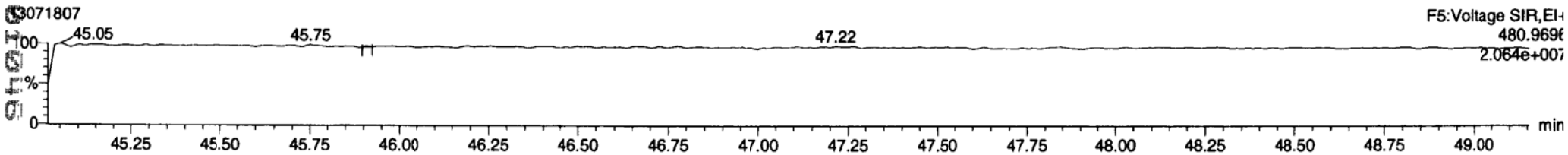
OCDD



OCDD



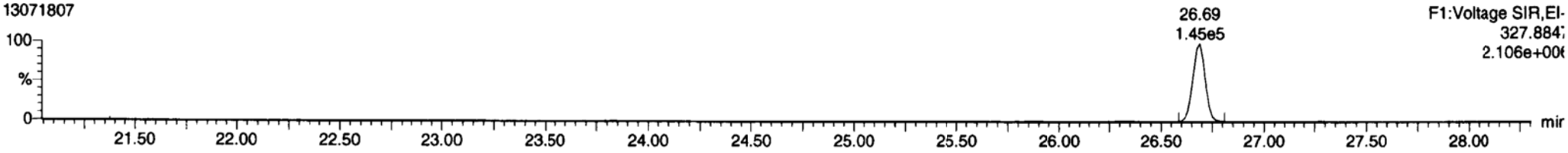
FUNCTION5 PFK



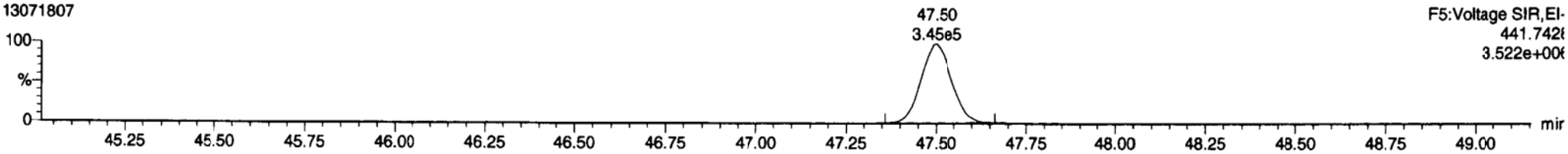
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:16:53 Pacific Daylight Time

ID: CS3, Name: 13071807, Date: 18-Jul-2013, Time: 17:17:44, Conditions: AUTOSPEC01, User: pk

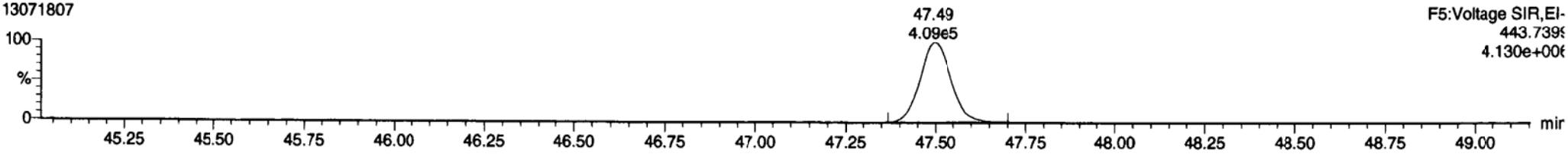
37CL-2378-TCDD



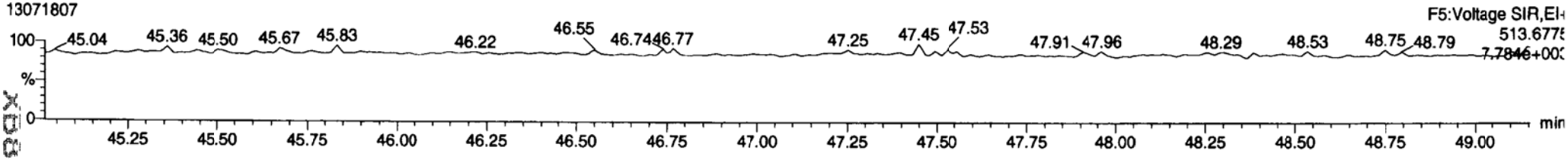
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.063	1.001	3.07e5	4.40e5	0.867	0.698	0.770	3135.8	NO	39.838	39.838
12378-PeCDF	30.200	1.000	1.81e6	1.20e6	0.875	1.506	1.550	10650.2	NO	201.927	201.927
23478-PeCDF	31.548	1.000	1.78e6	1.20e6	0.880	1.483	1.550	10577.7	NO	204.507	204.507
123478-HxCDF	35.220	1.000	1.46e6	1.21e6	1.048	1.199	1.240	7544.7	NO	199.228	199.228
234678-HxCDF	36.316	1.000	1.46e6	1.21e6	1.088	1.207	1.240	7243.5	NO	206.046	206.046
123678-HxCDF	35.374	1.001	1.50e6	1.27e6	1.025	1.179	1.240	7840.1	NO	201.958	201.958
123789-HxCDF	37.467	1.001	1.23e6	1.05e6	0.959	1.178	1.240	6317.1	NO	202.643	202.643
1234678-HpCDF	39.516	1.000	1.35e6	1.36e6	1.215	0.992	1.050	7522.7	NO	201.194	201.194
1234789-HpCDF	42.223	1.000	9.95e5	1.02e6	1.200	0.979	1.050	4820.2	NO	204.545	204.544
OCDF	47.520	1.006	1.60e6	1.90e6	1.064	0.845	0.890	8451.2	NO	408.890	408.890
2378-TCDD	26.705	1.001	2.56e5	3.29e5	0.994	0.779	0.770	5223.0	NO	40.778	40.778
12378-PeCDD	31.800	1.001	1.29e6	8.41e5	0.976	1.531	1.550	15522.9	NO	196.972	196.972
123478-HxCDD	36.447	1.000	1.14e6	9.28e5	0.967	1.232	1.240	7566.0	NO	199.417	199.417
123678-HxCDD	36.579	1.000	1.12e6	9.02e5	0.902	1.245	1.240	7282.9	NO	201.929	201.929
123789-HxCDD	37.006	1.012	1.09e6	8.83e5	0.914	1.237	1.240	7187.6	NO	197.800	197.800
1234678-HpCDD	41.336	1.000	9.29e5	8.95e5	0.999	1.038	1.050	7794.3	NO	197.918	197.918
OCDD	47.242	1.000	1.49e6	1.66e6	0.979	0.897	0.890	7672.0	NO	399.813	399.813
13C-2378-TCDF	26.048	1.007	9.42e5	1.22e6	1.419	0.772	0.770	4539.5	NO		99.075
13C-12378-PeCDF	30.189	1.167	1.04e6	6.68e5	1.158	1.553	1.550	6248.4	NO		95.772
13C-23478-PeCDF	31.537	1.219	1.01e6	6.45e5	1.127	1.567	1.550	6065.6	NO		95.557
13C-123478-HxCDF	35.209	0.952	4.35e5	8.43e5	1.206	0.516	0.510	2204.0	NO		100.926
13C-123678-HxCDF	35.352	0.956	4.59e5	8.82e5	1.266	0.520	0.510	2349.5	NO		100.887
13C-234678-HxCDF	36.305	0.981	4.06e5	7.83e5	1.155	0.519	0.510	2036.7	NO		98.053
13C-123789-HxCDF	37.445	1.012	4.00e5	7.71e5	1.121	0.519	0.510	2084.6	NO		99.537
13C-1234678-HpCDF	39.505	1.068	3.41e5	7.66e5	1.040	0.446	0.440	3719.7	NO		101.381
13C-1234789-HpCDF	42.202	1.141	2.54e5	5.66e5	0.789	0.448	0.440	2387.6	NO		98.916
13C-1234-TCDD	25.868	0.000	6.80e5	8.58e5	1.000	0.792	0.770	2799.5	NO		100.000
13C-2378-TCDD	26.675	1.031	6.33e5	8.12e5	0.962	0.779	0.770	2574.5	NO		97.672
13C-12378-PeCDD	31.778	1.229	6.77e5	4.30e5	0.746	1.574	1.550	8697.6	NO		96.413
13C-123478-HxCDD	36.437	0.985	5.95e5	4.78e5	1.003	1.244	1.240	3345.8	NO		101.957
13C-123678-HxCDD	36.568	0.988	6.12e5	5.00e5	1.052	1.224	1.240	3432.6	NO		100.683
13C-1234678-HpCDD	41.314	1.117	4.72e5	4.50e5	0.880	1.049	1.050	4465.7	NO		99.814
13C-OCDD	47.224	1.276	7.50e5	8.60e5	0.775	0.872	0.890	5805.0	NO		197.976

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

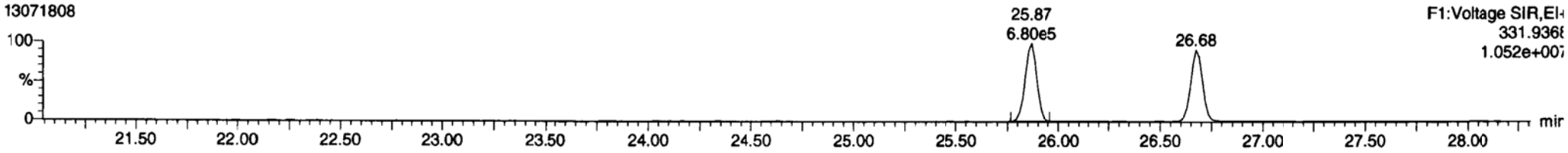
13C-123789-HxCDD	36.995	0.000	5.81e5	4.69e5	1.000	1.240	1.240	3213.2	NO		100.000
Total-tetrafurans			3.13e5		0.867						40.570
Total-penta1			3.31e2								0.058
Total-pentafurans			3.66e6		0.877						413.734
Total-hexafurans			5.66e6		1.030						811.065
Total-heptafurans			2.34e6		1.207						406.060
Total-Furans			1.36e7		1.022						2080.376
Total-tetradioxins			2.64e5		0.994						41.978
Total-pentadioxins			1.29e6		0.976						197.406
Total-hexadioxins			3.36e6		0.928						599.175
Total-heptadioxins			9.33e5		0.999						198.835
Total-Dioxins			7.34e6		0.962						1437.208
Total-TEQ			2.09e7								3517.584
37CL-2378-TCDD	26.705	1.032	6.42e5		1.091			5682.6			38.248
FUNCTION1 PFK			4.90e7								
FUNCTION2 PFK			2.45e6								0.000
FUNCTION3 PFK			9.08e5								0.000
FUNCTION4 PFK			0.00e0								
FUNCTION5 PFK			3.62e6								
FUNCTION1 HXCDPE			0.00e0								
FUNCTION1 HPCDPE			2.00e2								0.000
FUNCTION2 HPCDPE			2.80e3								0.000
FUNCTION3 OCDPE			0.00e0								
FUNCTION4 NCDPE			0.00e0								
FUNCTION5 DCDPE			0.00e0								

Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

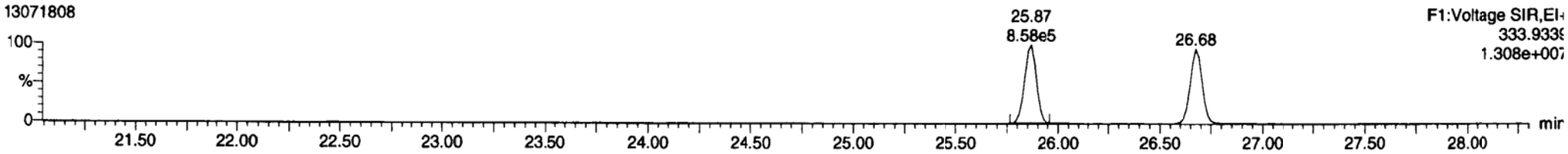
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

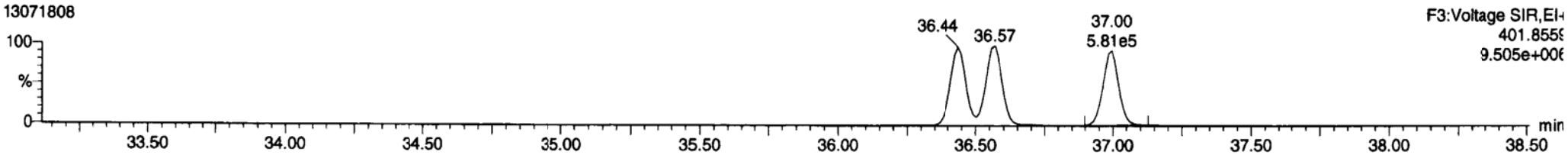
13C-1234-TCDD



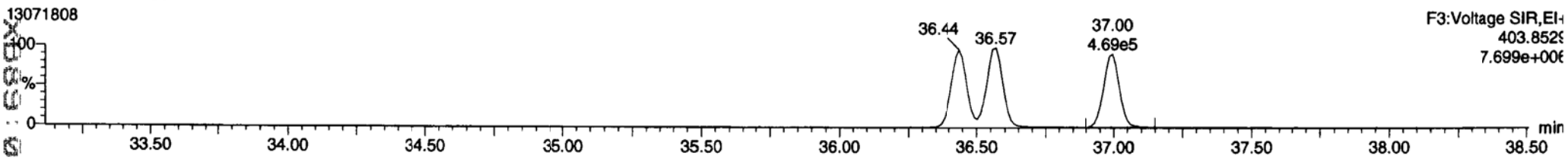
13C-1234-TCDD



13C-123789-HxCDD



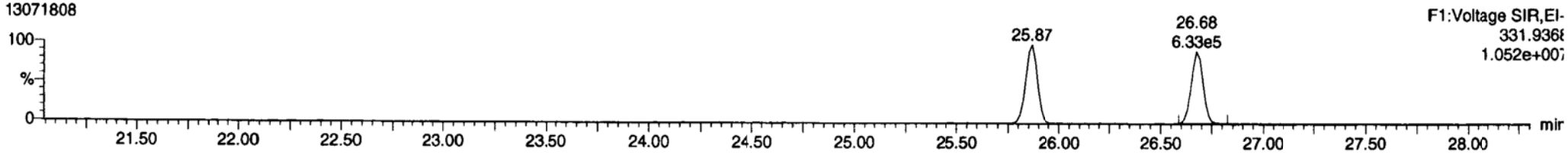
13C-123789-HxCDD



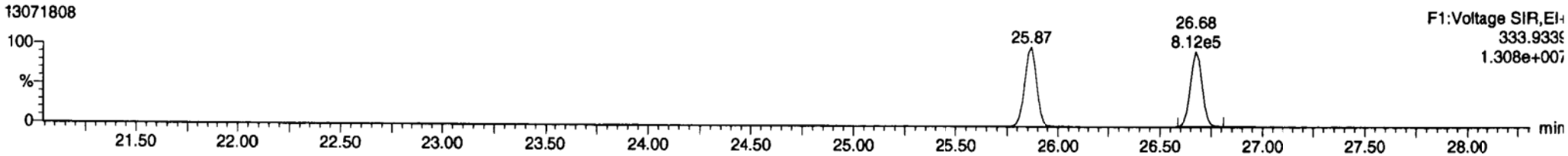
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

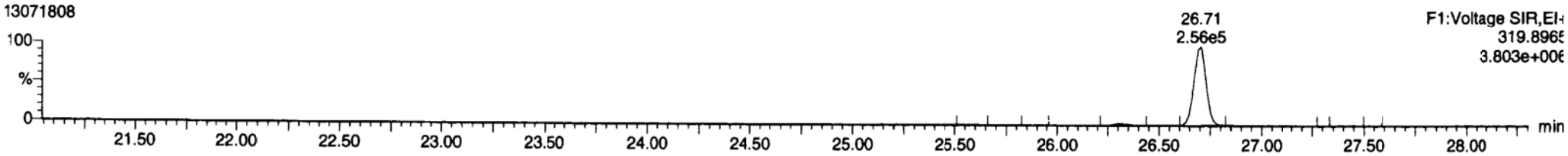
13C-2378-TCDD



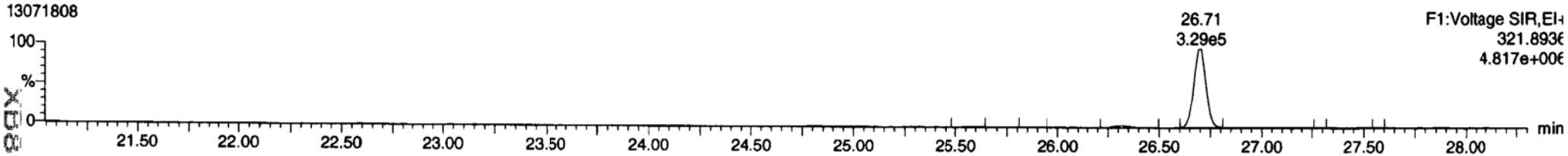
13C-2378-TCDD



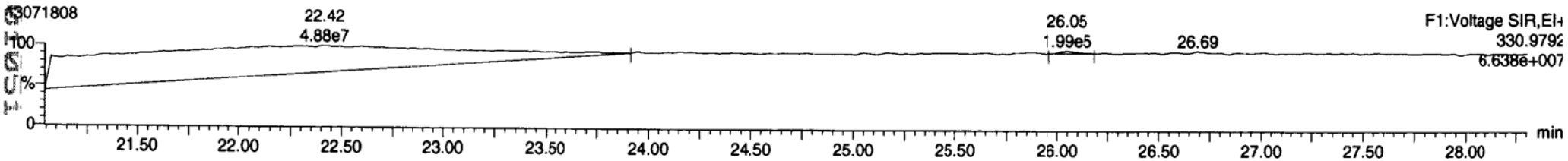
Total-tetradioxins



Total-tetradioxins



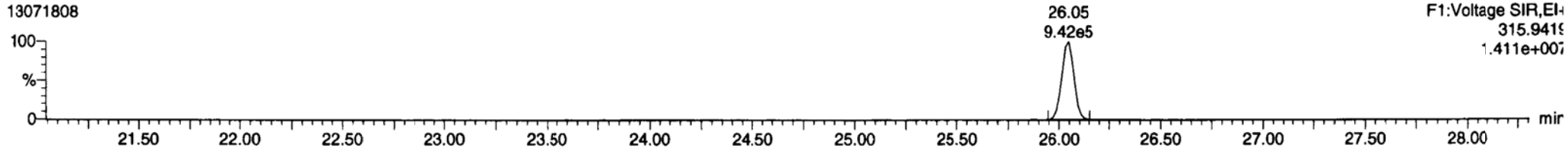
FUNCTION1 PFK



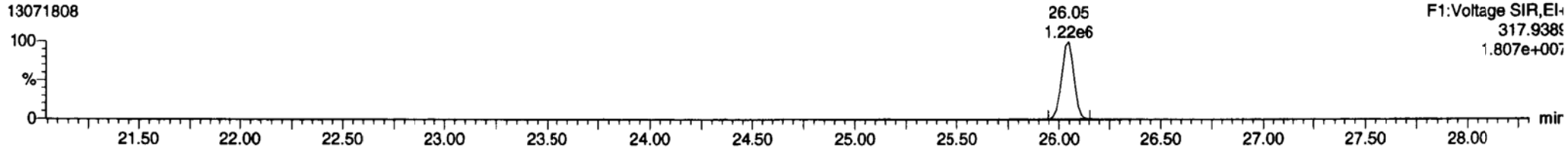
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

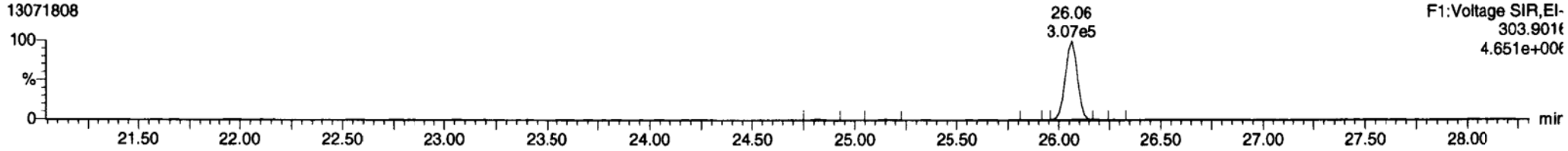
13C-2378-TCDF



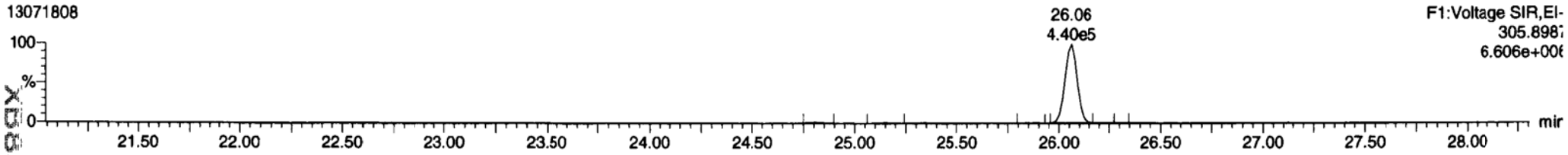
13C-2378-TCDF



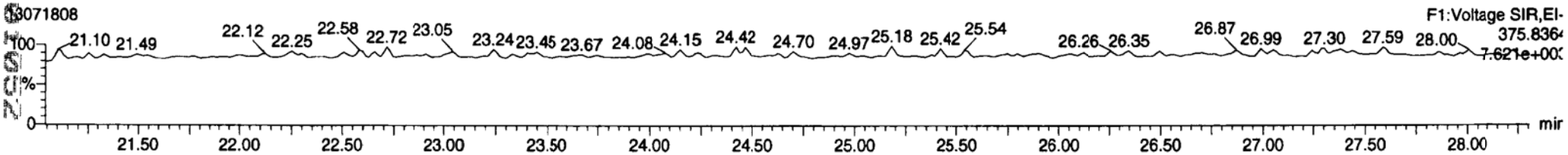
Total-tetrafurans



Total-tetrafurans



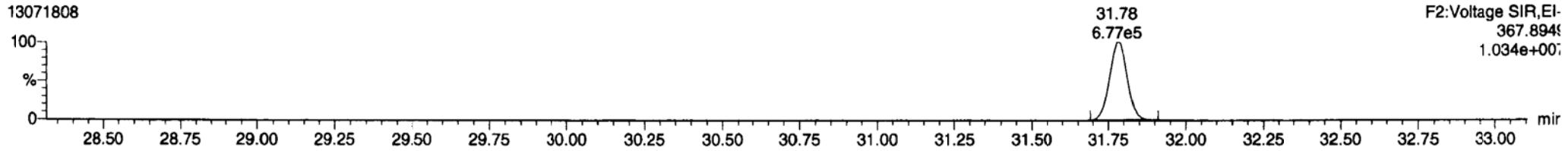
FUNCTION1 HXCDPE



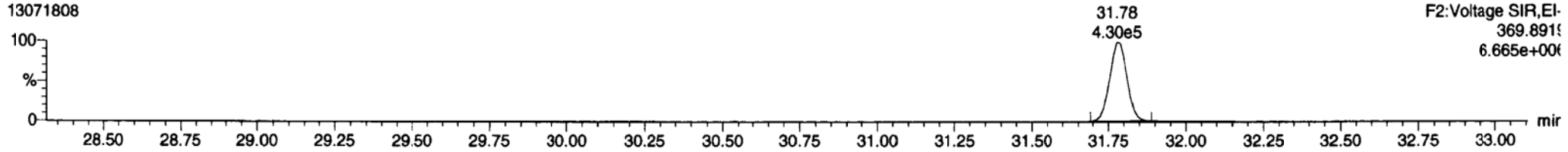
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

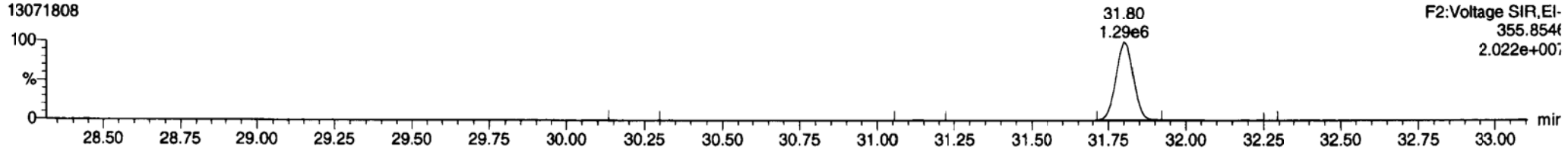
13C-12378-PeCDD



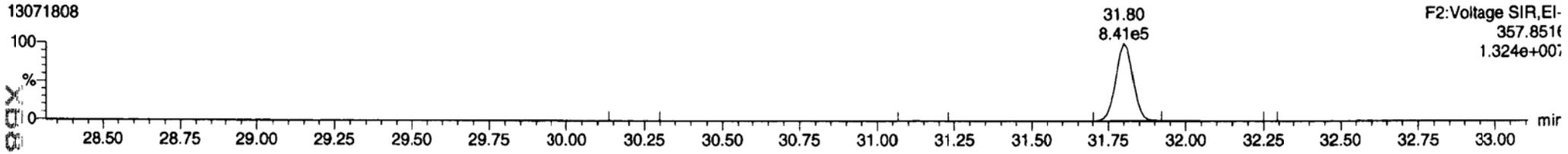
13C-12378-PeCDD



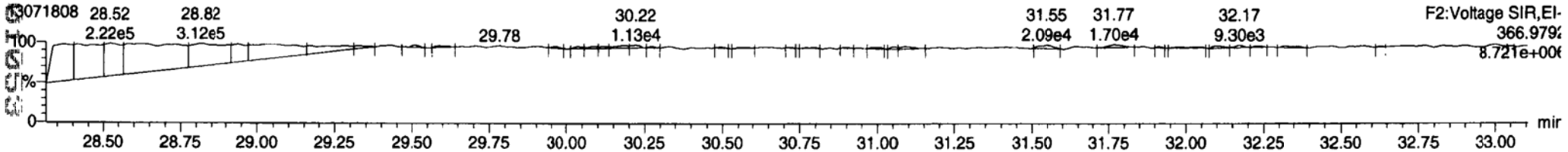
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
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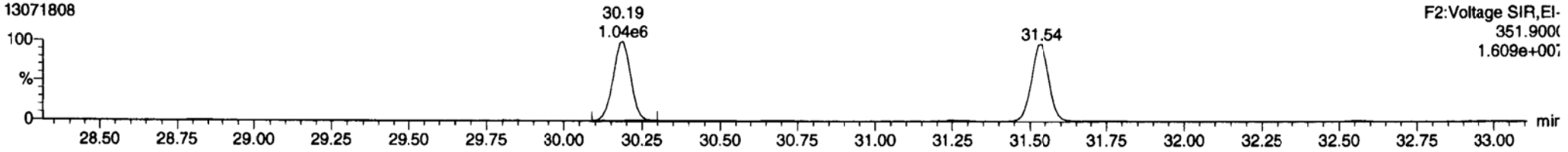
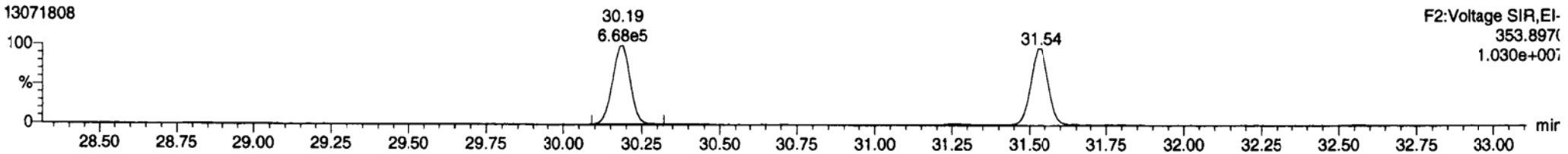
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

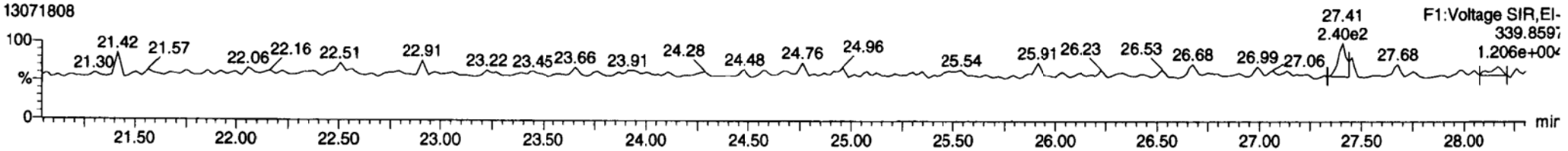
13C-12378-PeCDF



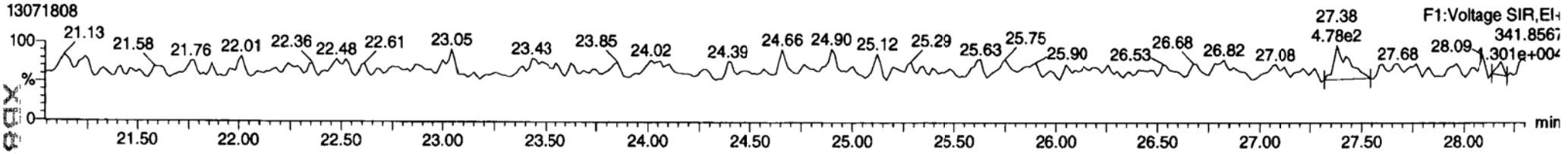
13C-12378-PeCDF



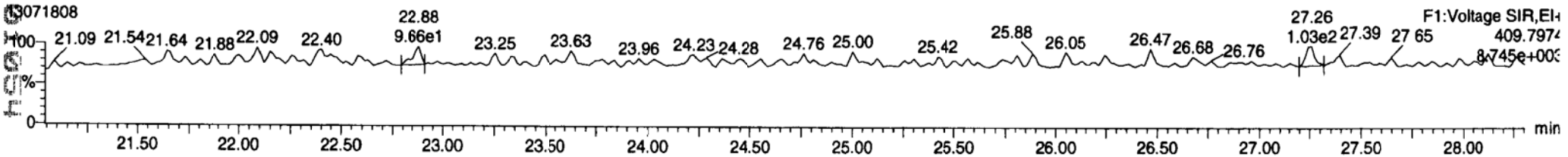
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\13071808.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
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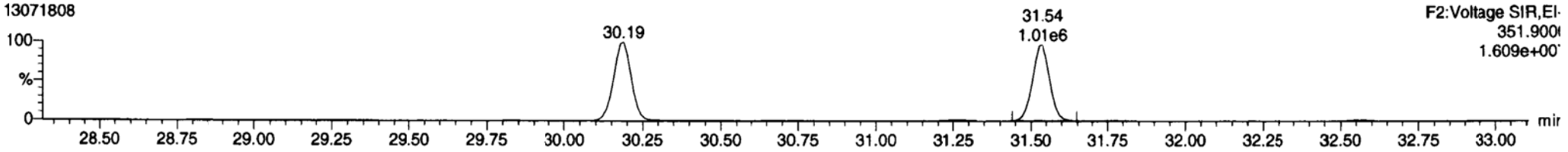
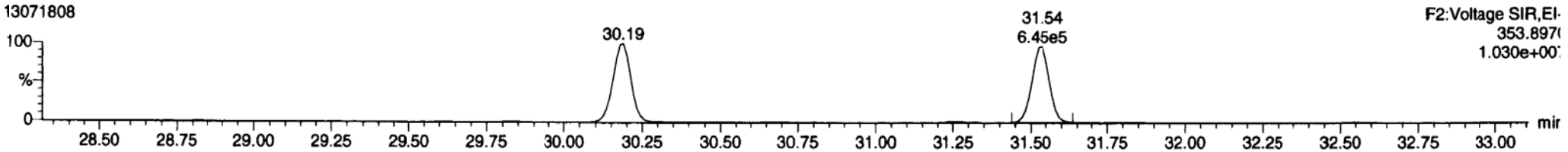
ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

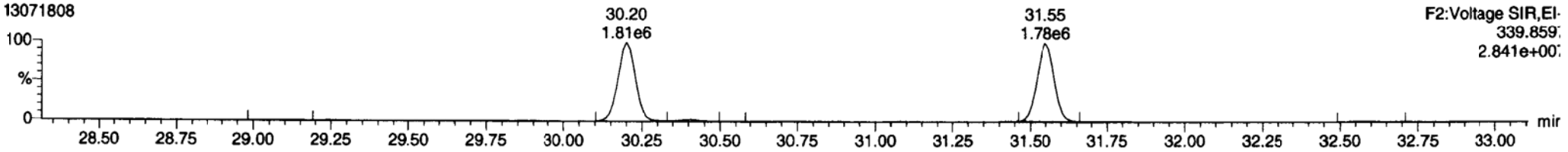
13C-23478-PeCDF



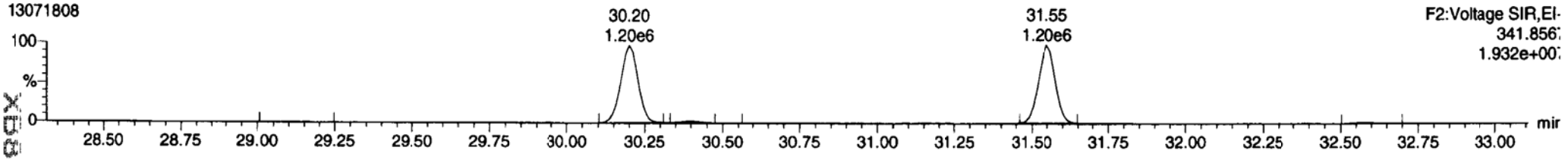
13C-23478-PeCDF



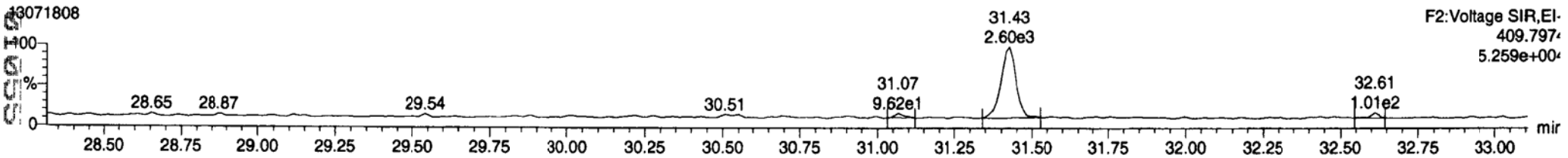
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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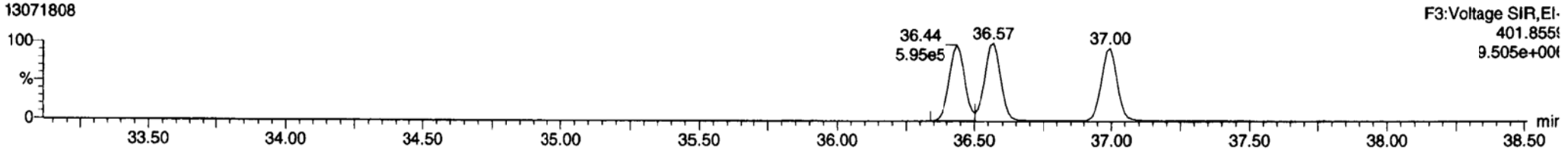
Printed: Friday, July 19, 2013 10:17:03 Pacific Daylight Time

ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

13C-123478-HxCDD



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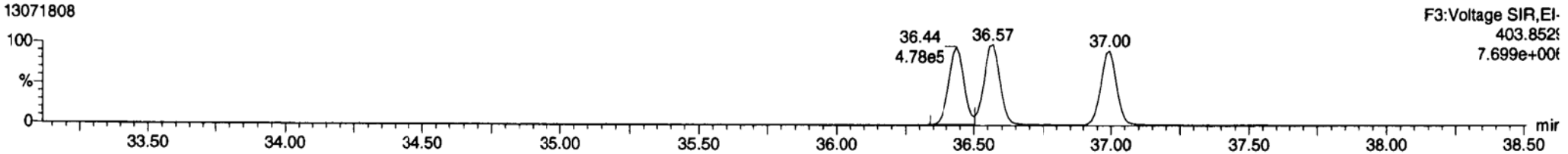
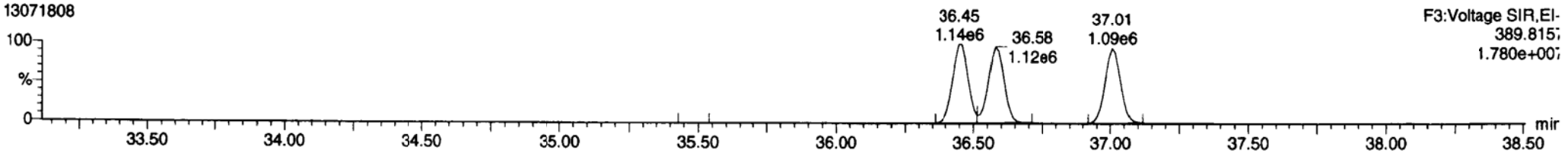
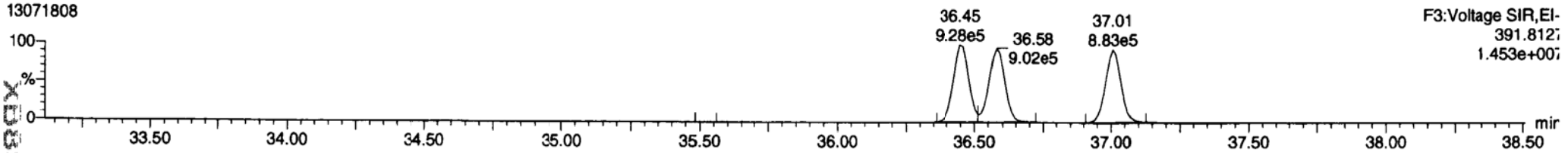


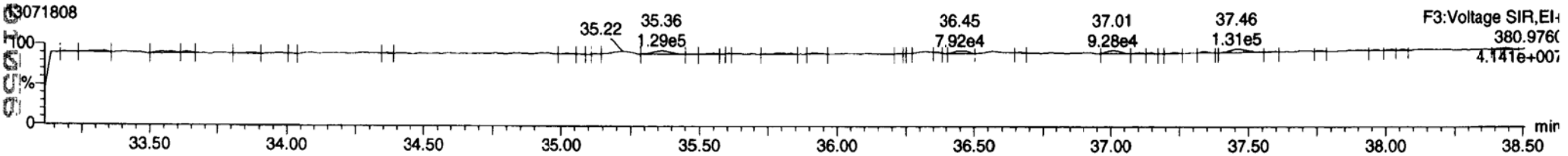
Total-hexadioxins



Total-hexadioxins

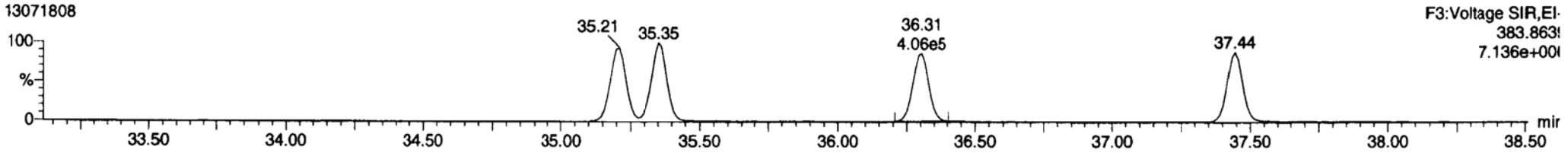


FUNCTION3 PFK

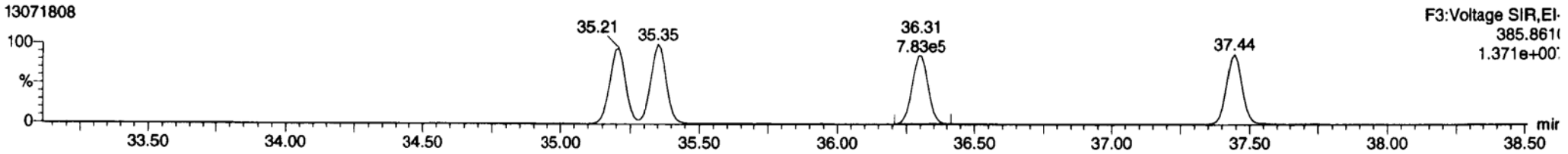


ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

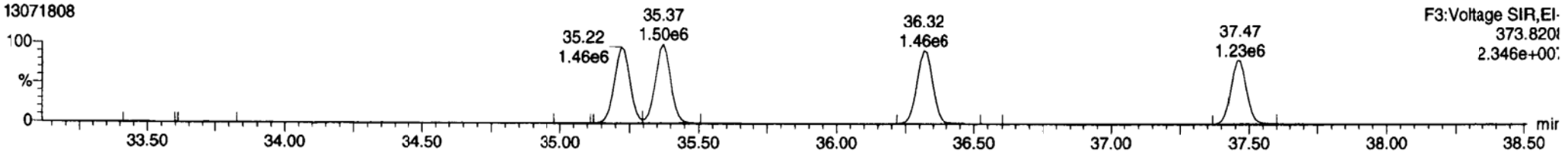
13C-234678-HxCDF



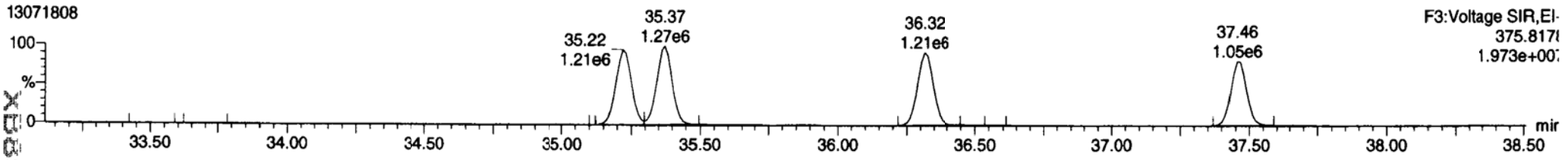
13C-234678-HxCDF



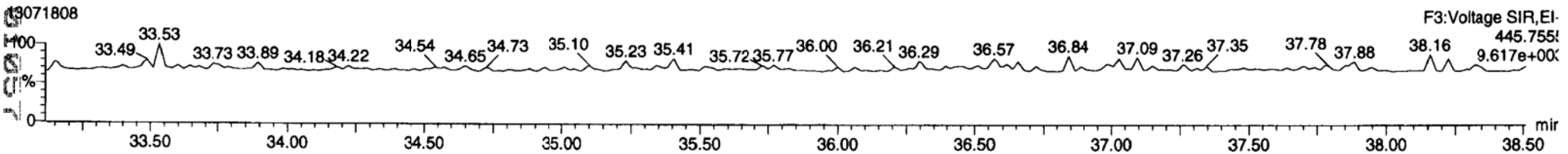
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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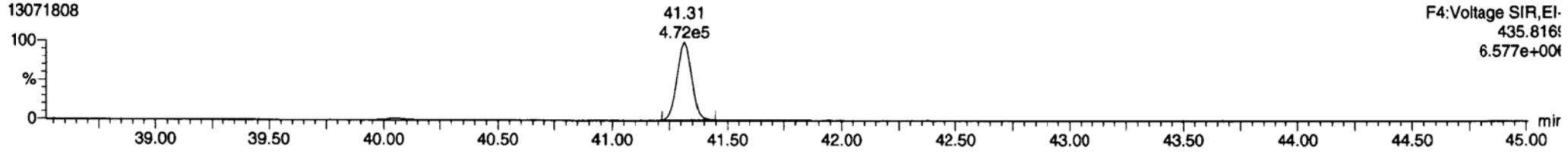
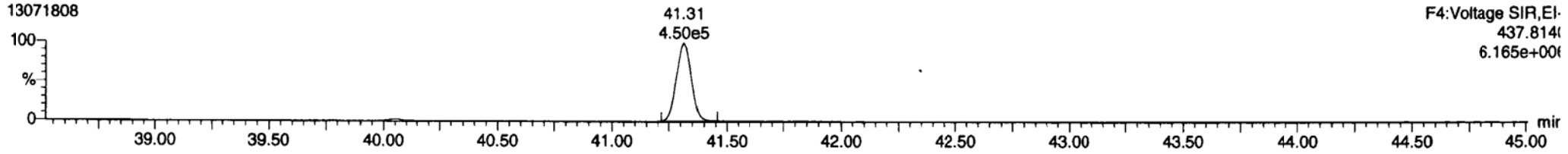
ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

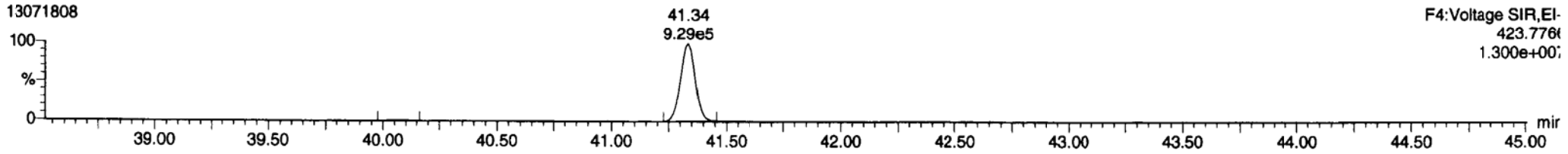
13C-1234678-HpCDD



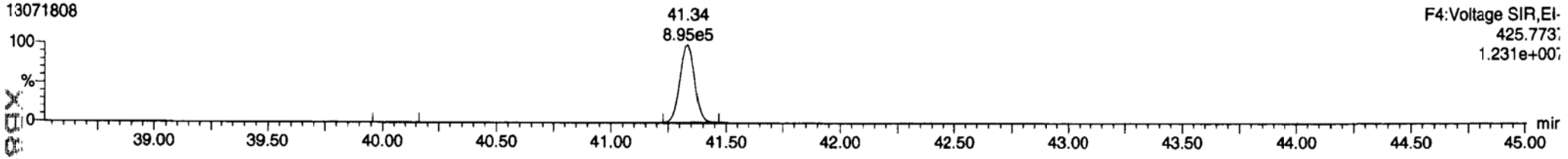
13C-1234678-HpCDD



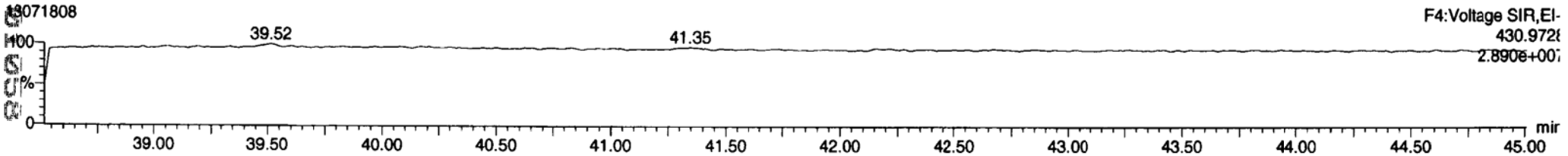
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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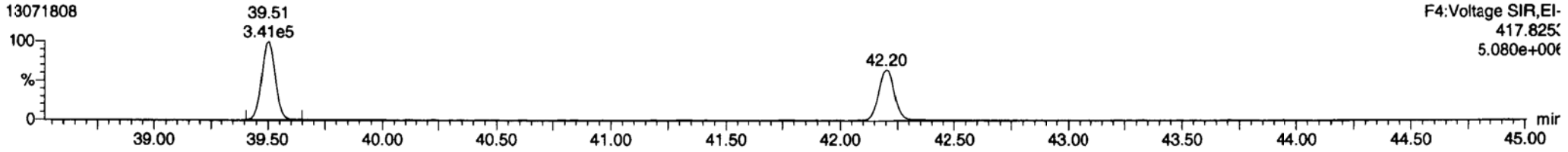
13C-1234678-HpCDF



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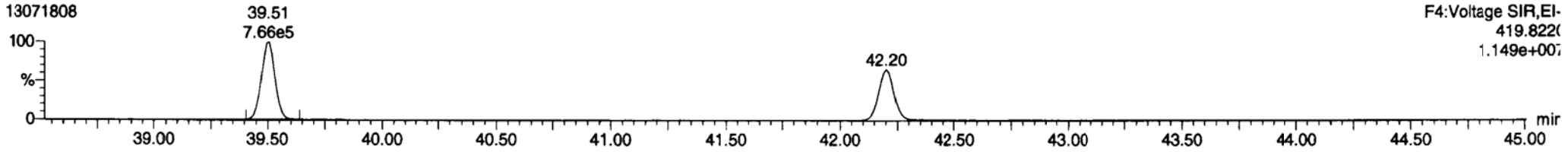
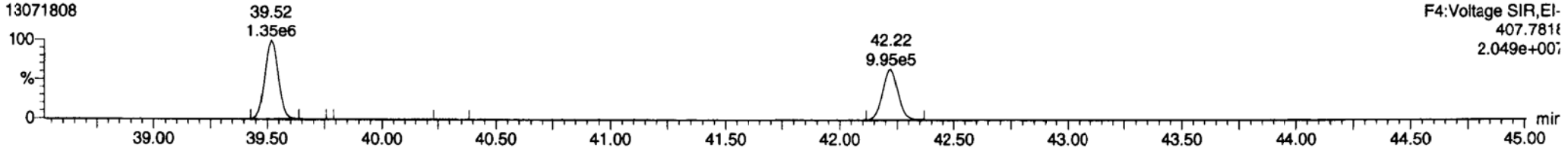
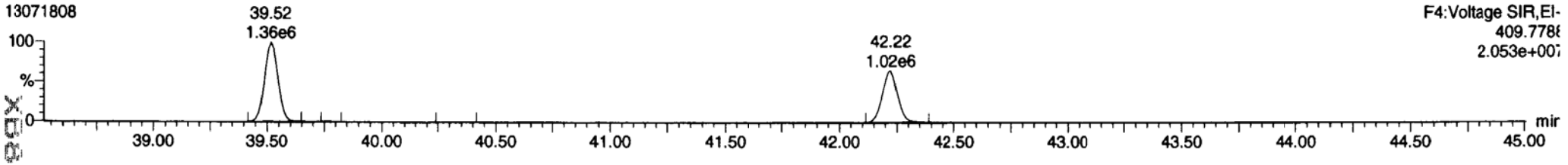


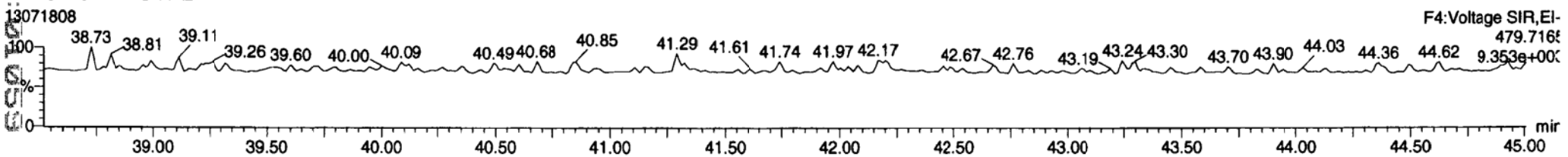
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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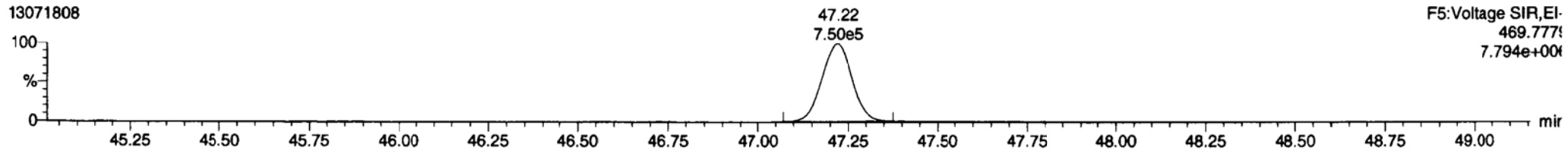
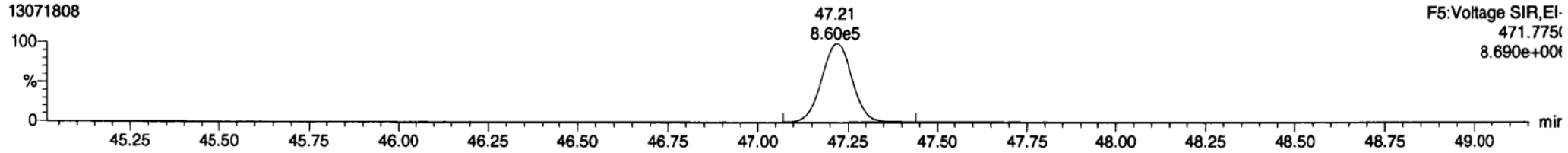
ID: CS4, Name: 13071808, Date: 18-Jul-2013, Time: 18:09:59, Conditions: AUTOSPEC01, User: pk

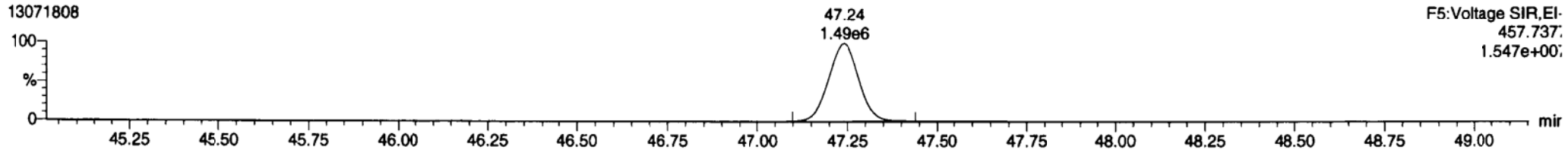
13C-OCDD



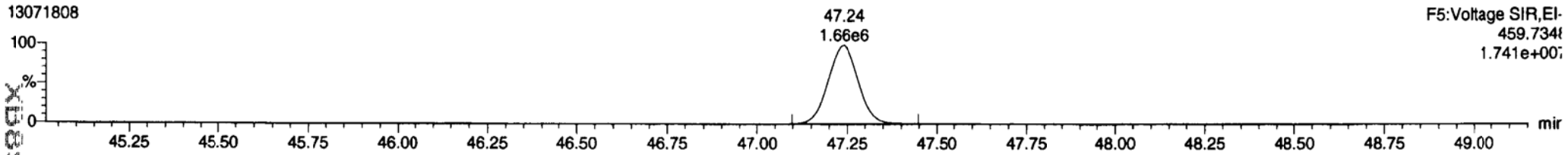
13C-OCDD



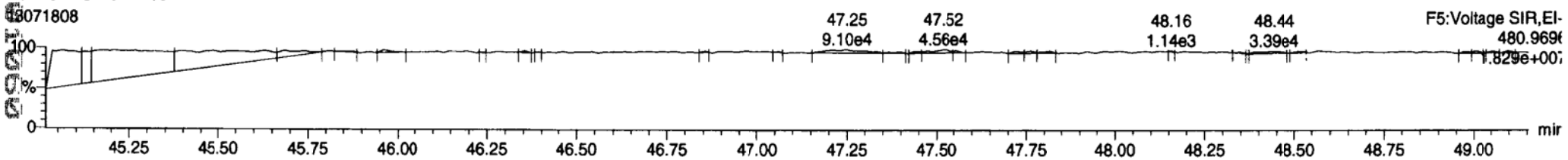
OCDD



OCDD



FUNCTION5 PFK



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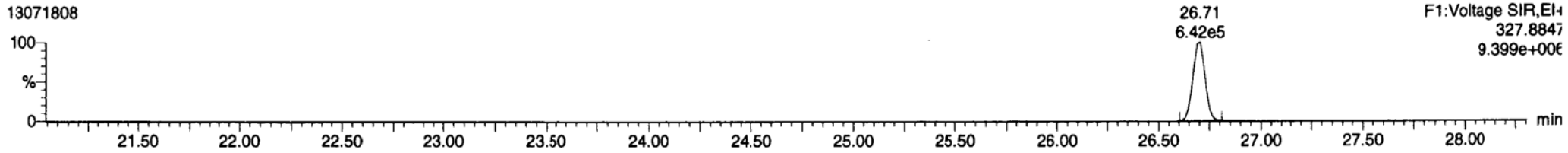
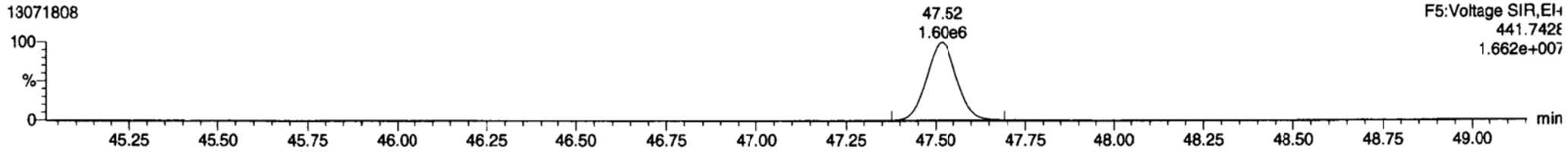
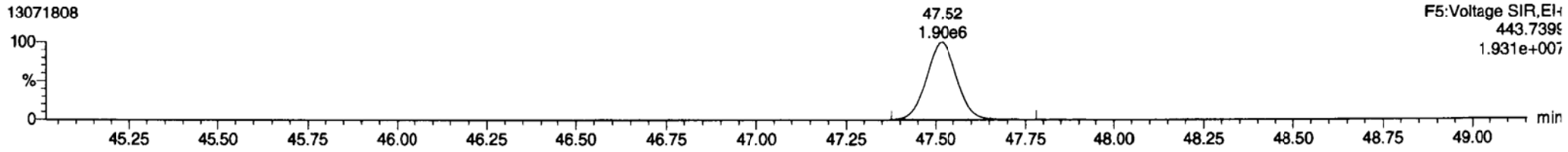
37CL-2378-TCDD



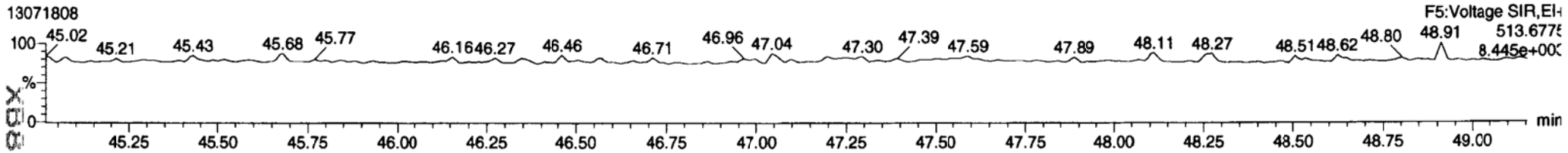
OCDF



OCDF



FUNCTION5 DCDPE



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Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.048	1.001	2.35e6	3.21e6	0.867	0.730	0.770	18985.2	NO	204.499	204.499
12378-PeCDF	30.188	1.000	1.65e7	1.10e7	0.875	1.497	1.550	32037.8	NO	1042.041	1042.041
23478-PeCDF	31.536	1.000	1.63e7	1.09e7	0.880	1.492	1.550	32383.4	NO	1053.116	1053.116
123478-HxCDF	35.219	1.001	1.33e7	1.12e7	1.048	1.186	1.240	37238.4	NO	1024.270	1024.269
234678-HxCDF	36.315	1.001	1.33e7	1.13e7	1.088	1.179	1.240	37829.4	NO	1038.147	1038.147
123678-HxCDF	35.361	1.000	1.40e7	1.17e7	1.025	1.197	1.240	39515.6	NO	1034.216	1034.216
123789-HxCDF	37.455	1.001	1.17e7	9.74e6	0.959	1.205	1.240	33549.4	NO	1032.086	1032.086
1234678-HpCDF	39.515	1.001	1.24e7	1.24e7	1.215	1.000	1.050	32347.7	NO	1024.724	1024.724
1234789-HpCDF	42.212	1.000	9.41e6	9.47e6	1.200	0.994	1.050	21540.1	NO	1040.552	1040.552
OCDF	47.519	1.006	1.68e7	1.96e7	1.064	0.859	0.890	76216.9	NO	2158.364	2158.364
2378-TCDD	26.690	1.001	2.00e6	2.59e6	0.994	0.773	0.770	20358.3	NO	208.788	208.788
12378-PeCDD	31.788	1.000	1.16e7	7.54e6	0.976	1.542	1.550	67616.7	NO	1018.897	1018.897
123478-HxCDD	36.446	1.000	1.07e7	8.61e6	0.967	1.245	1.240	46241.2	NO	1036.930	1036.930
123678-HxCDD	36.578	1.001	1.02e7	8.24e6	0.902	1.239	1.240	43170.2	NO	1012.841	1012.841
123789-HxCDD	37.005	1.012	1.02e7	8.23e6	0.914	1.239	1.240	42575.7	NO	1021.559	1021.560
1234678-HpCDD	41.324	1.000	8.47e6	8.19e6	0.999	1.033	1.050	22417.6	NO	1002.687	1002.688
OCDD	47.241	1.000	1.48e7	1.67e7	0.979	0.886	0.890	54554.4	NO	2030.426	2030.426
13C-2378-TCDF	26.033	1.007	1.37e6	1.76e6	1.419	0.777	0.770	7498.1	NO		103.491
13C-12378-PeCDF	30.177	1.167	1.84e6	1.17e6	1.158	1.568	1.550	13624.8	NO		121.973
13C-23478-PeCDF	31.525	1.219	1.79e6	1.14e6	1.127	1.572	1.550	13391.3	NO		122.006
13C-123478-HxCDF	35.197	0.952	7.75e5	1.50e6	1.206	0.516	0.510	4836.8	NO		100.205
13C-123678-HxCDF	35.350	0.956	8.28e5	1.59e6	1.266	0.521	0.510	5235.4	NO		101.408
13C-234678-HxCDF	36.293	0.981	7.44e5	1.43e6	1.155	0.519	0.510	4755.0	NO		100.075
13C-123789-HxCDF	37.433	1.012	7.49e5	1.42e6	1.121	0.527	0.510	4687.7	NO		102.796
13C-1234678-HpCDF	39.493	1.068	6.20e5	1.38e6	1.040	0.450	0.440	5976.6	NO		102.091
13C-1234789-HpCDF	42.201	1.141	4.68e5	1.04e6	0.789	0.448	0.440	3912.3	NO		101.782
13C-1234-TCDD	25.853	0.000	9.37e5	1.20e6	1.000	0.782	0.770	4678.3	NO		100.000
13C-2378-TCDD	26.675	1.032	9.66e5	1.25e6	0.962	0.775	0.770	4860.5	NO		107.680
13C-12378-PeCDD	31.777	1.229	1.18e6	7.48e5	0.746	1.574	1.550	11753.5	NO		120.829
13C-123478-HxCDD	36.436	0.985	1.07e6	8.54e5	1.003	1.258	1.240	10543.6	NO		102.045
13C-123678-HxCDD	36.556	0.988	1.12e6	9.03e5	1.052	1.237	1.240	10970.3	NO		101.992
13C-1234678-HpCDD	41.302	1.117	8.53e5	8.11e5	0.880	1.052	1.050	7061.2	NO		100.377
13C-OCDD	47.223	1.277	1.48e6	1.68e6	0.775	0.882	0.890	7588.7	NO		217.049

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ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	36.984	0.000	1.05e6	8.38e5	1.000	1.247	1.240	10141.3	NO		100.000
Total-tetrafurans			2.39e6		0.867						208.310
Total-penta1			0.00e0								
Total-pentafurans			3.32e7		0.877						2126.019
Total-hexafurans			5.23e7		1.030						4133.627
Total-heptafurans			2.19e7		1.207						2067.242
Total-Furans			1.27e8		1.022						10693.562
Total-tetradioxins			2.05e6		0.994						214.105
Total-pentadioxins			1.16e7		0.976						1021.046
Total-hexadioxins			3.11e7		0.928						3071.605
Total-heptadioxins			8.50e6		0.999						1006.537
Total-Dioxins			6.81e7		0.962						7343.718
Total-TEQ			1.95e8								18037.281
37CL-2378-TCDD	26.690	1.032	5.01e6		1.091			32774.0			215.171
FUNCTION1 PFK			2.24e7								
FUNCTION2 PFK			2.88e5								0.000
FUNCTION3 PFK			3.42e6								0.000
FUNCTION4 PFK			8.06e5								
FUNCTION5 PFK			6.52e5								
FUNCTION1 HXCDPE			1.46e2								0.000
FUNCTION1 HPCDPE			4.03e2								0.000
FUNCTION2 HPCDPE			2.07e4								0.000
FUNCTION3 OCDPE			4.46e2								0.000
FUNCTION4 NCDPE			1.76e2								0.000
FUNCTION5 DCDPE			3.21e2								0.000

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Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
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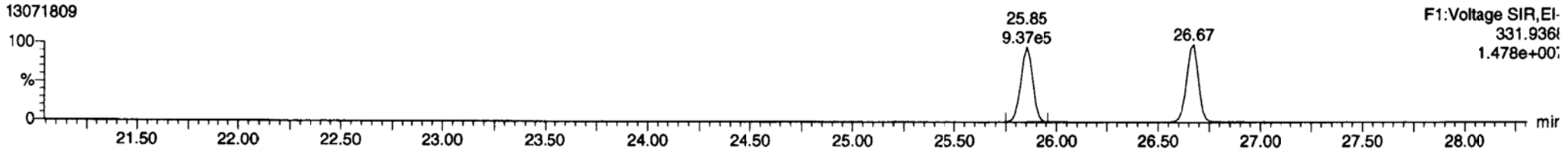
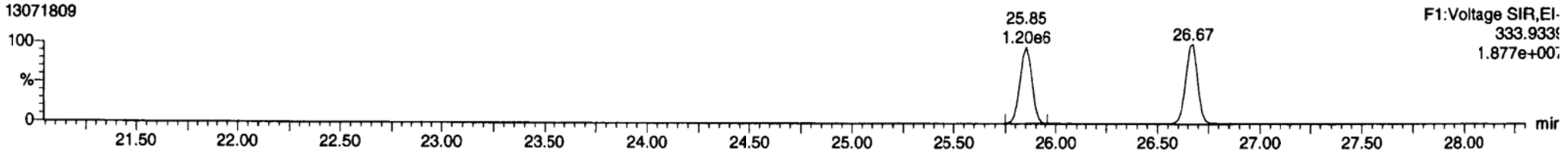
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: 19 Jul 2013 10:15:25

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

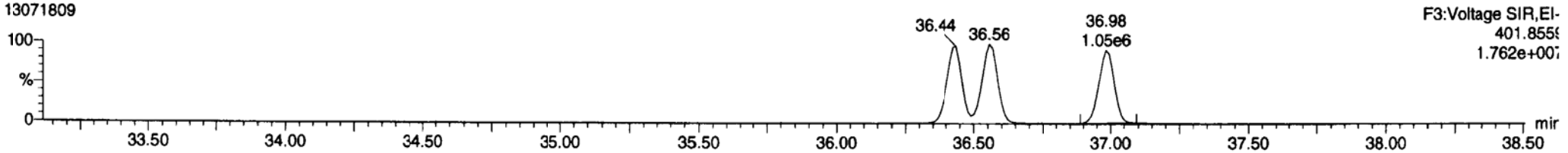
13C-1234-TCDD



13C-1234-TCDD



13C-123789-HxCDD



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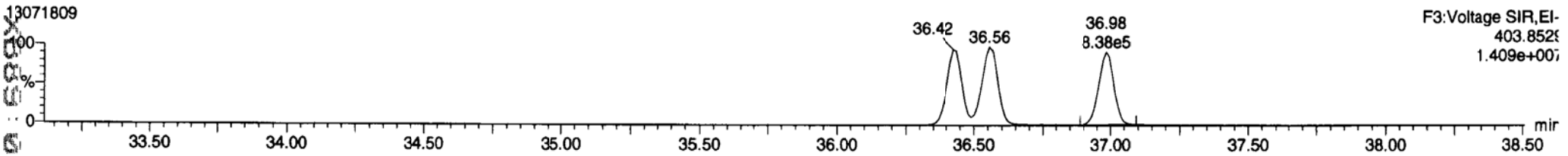

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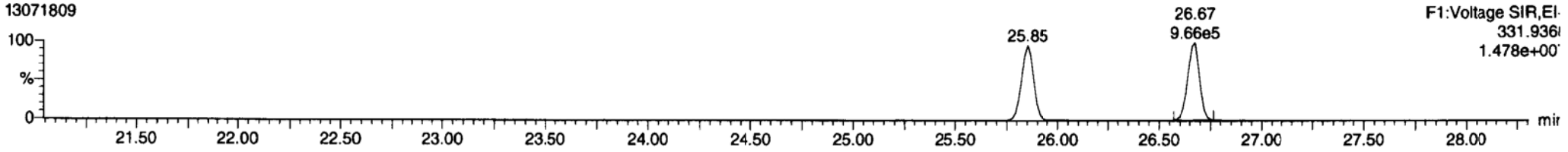
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:13 Pacific Daylight Time

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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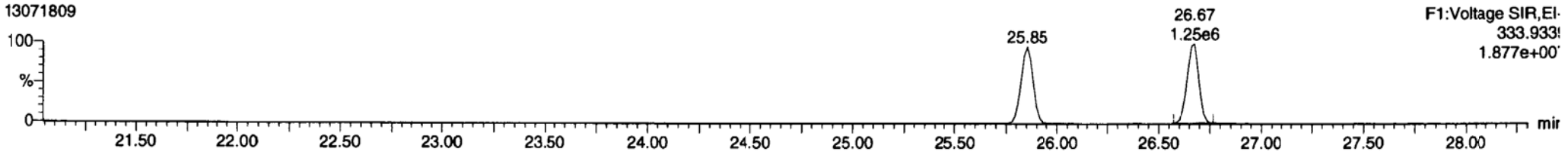
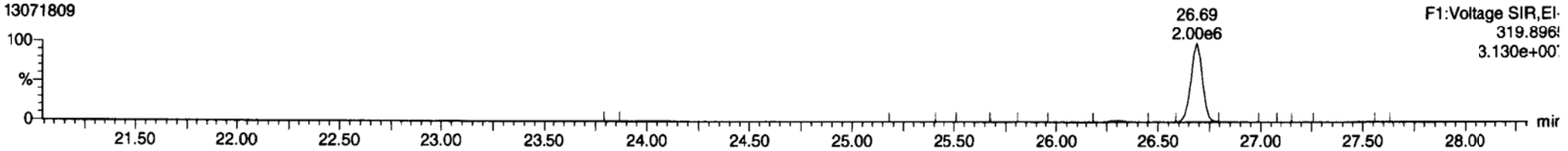
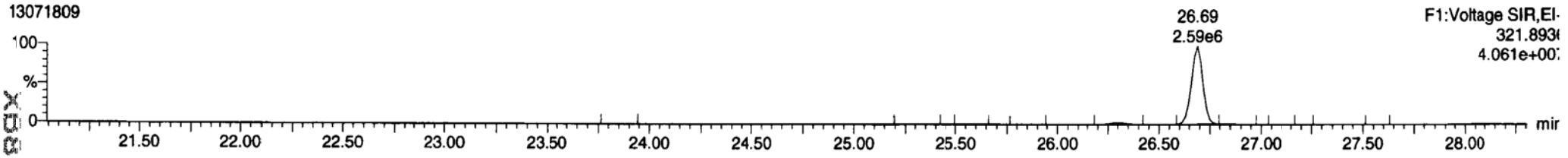


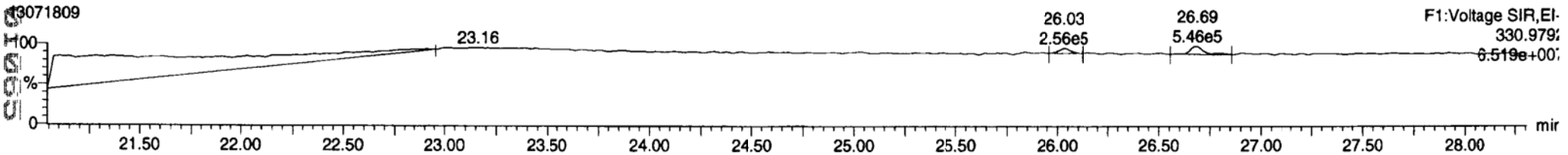
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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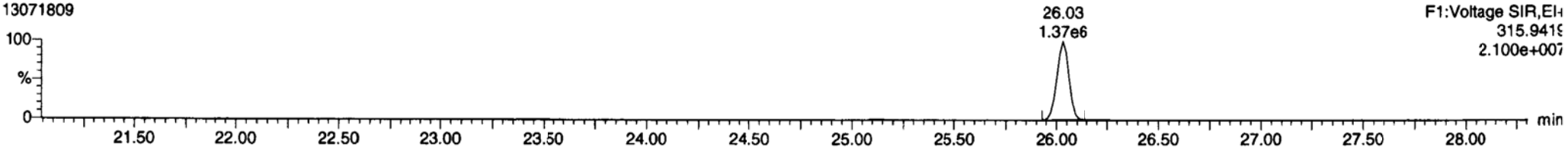
Printed: Friday, July 19, 2013 10:17:13 Pacific Daylight Time

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDF



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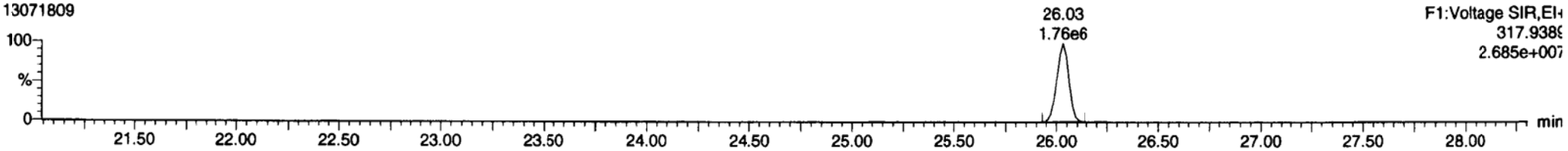
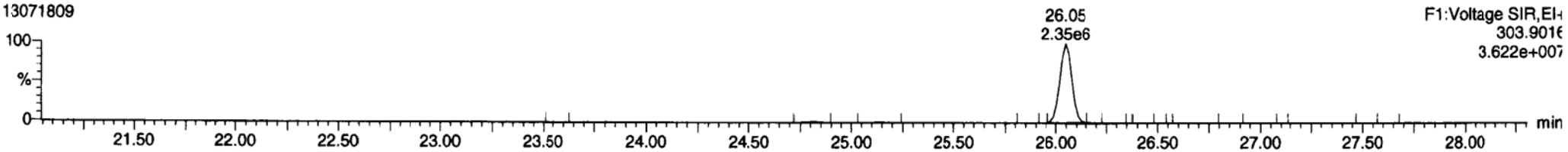


Total-tetrafurans



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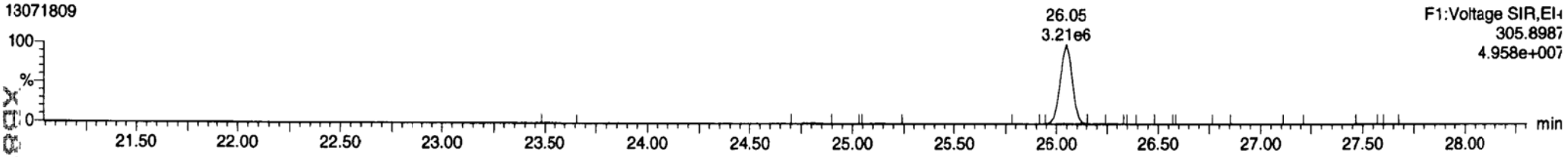
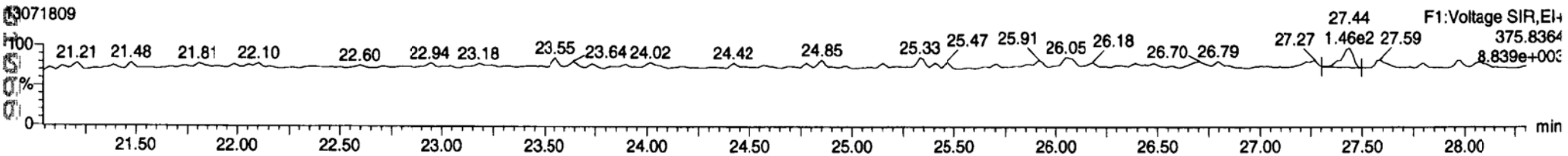


FUNCTION1 HXCDPE



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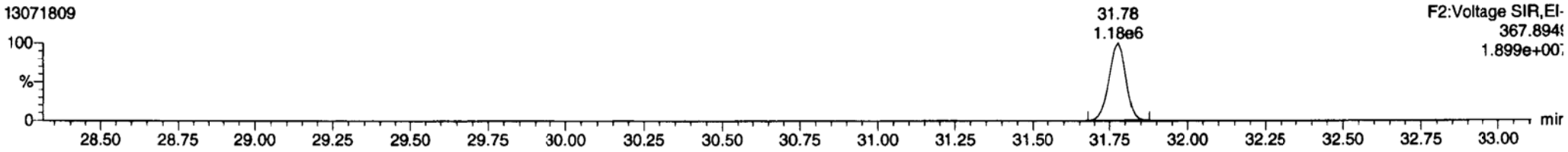
Printed: Friday, July 19, 2013 10:17:13 Pacific Daylight Time

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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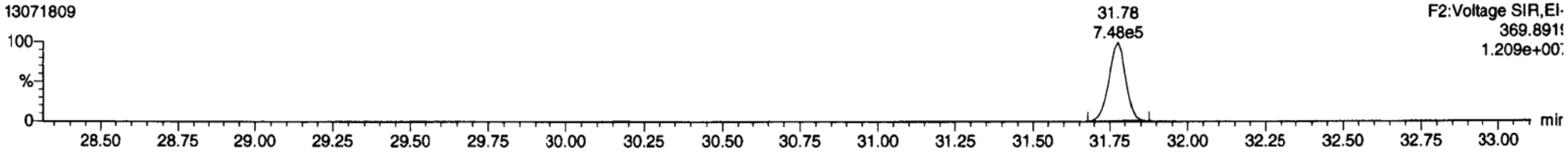
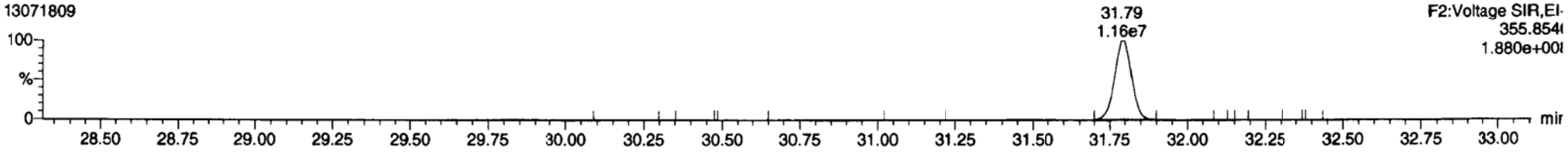
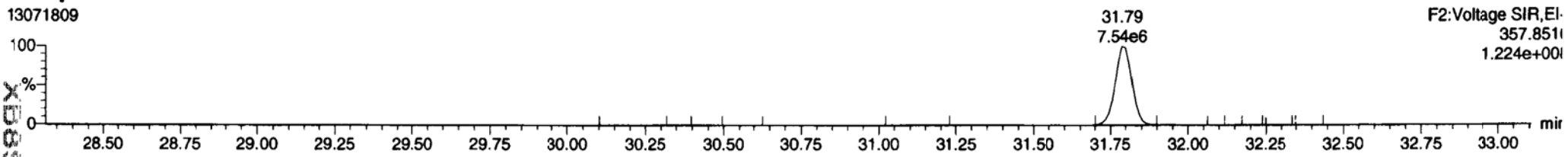


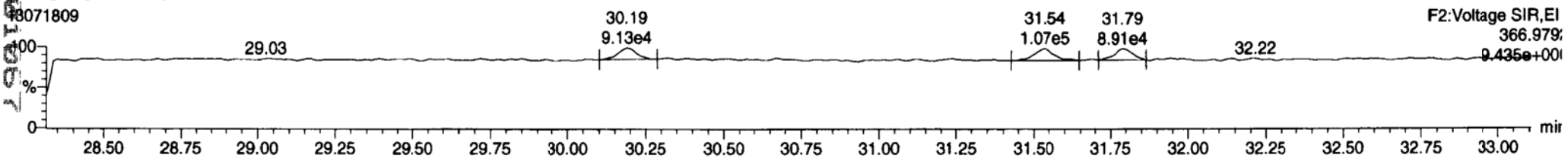
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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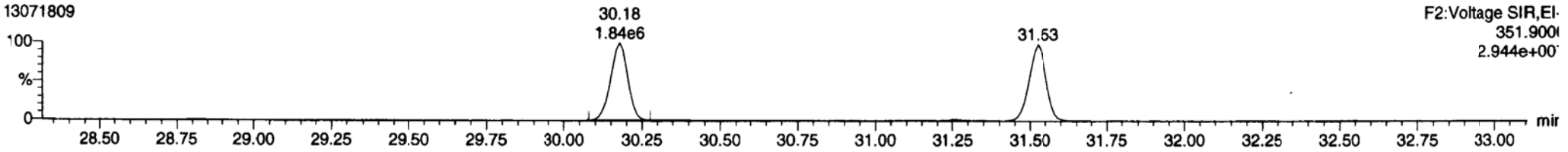
ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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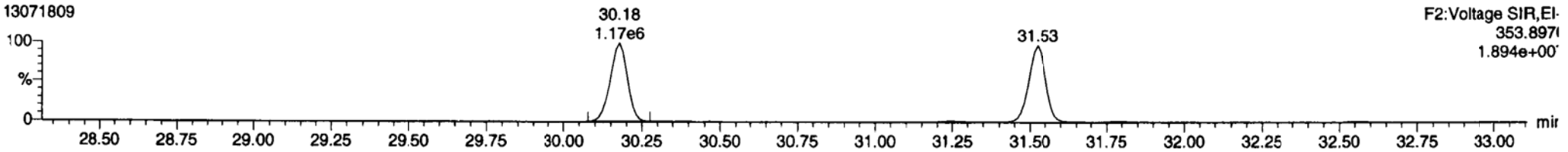
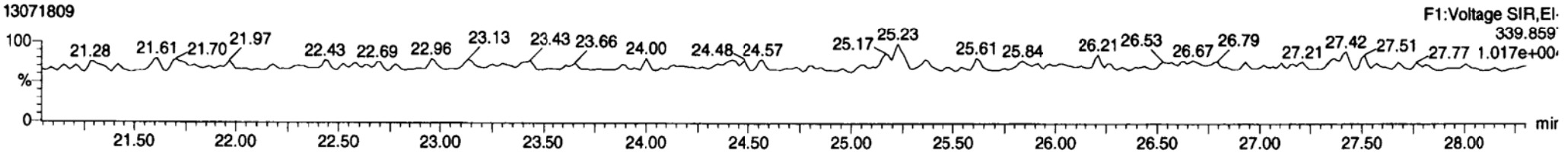


Total-penta1



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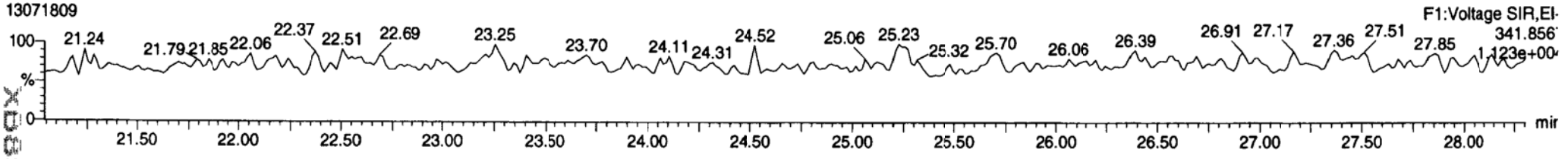
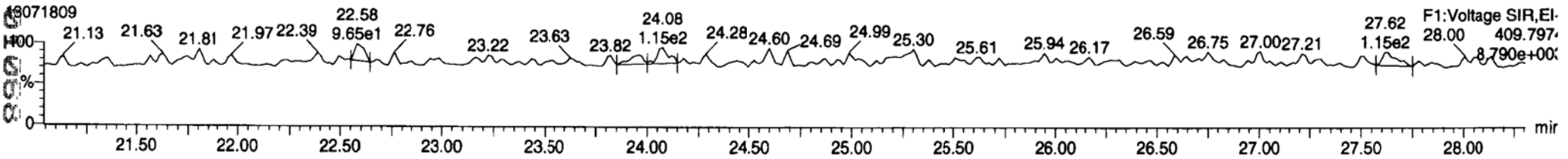


FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130718IC.qld
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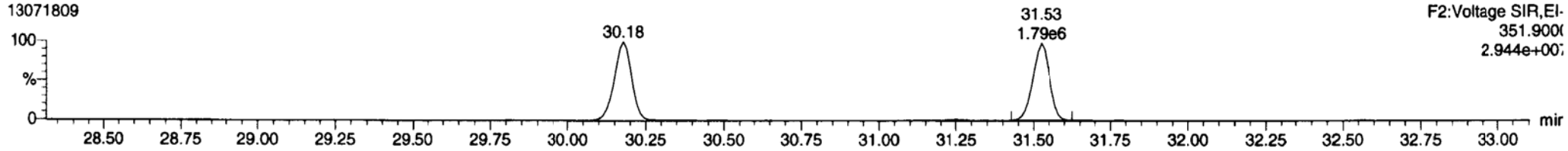
ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

13C-23478-PeCDF



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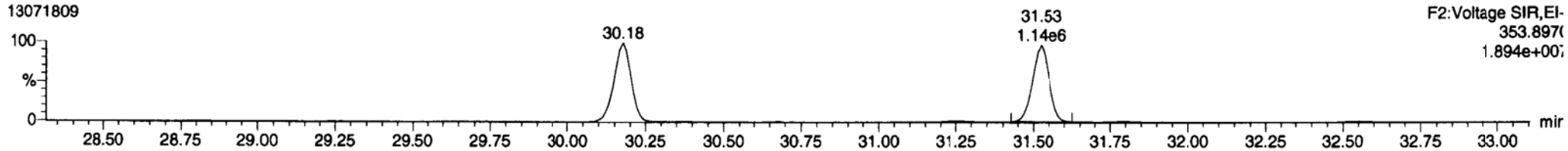
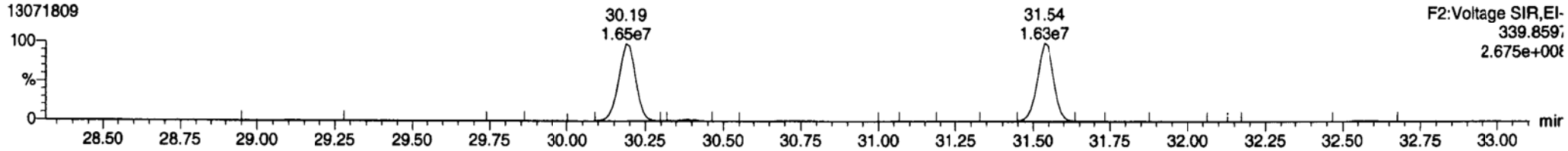
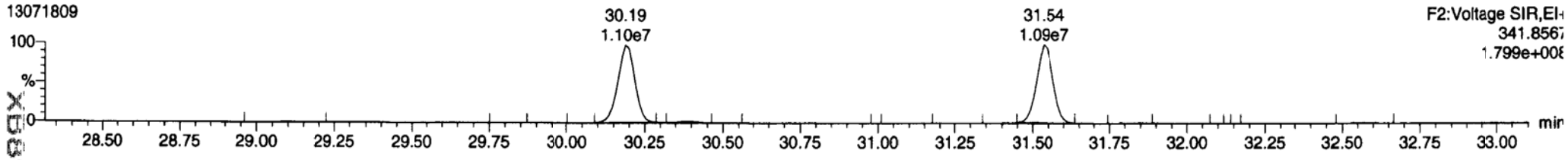


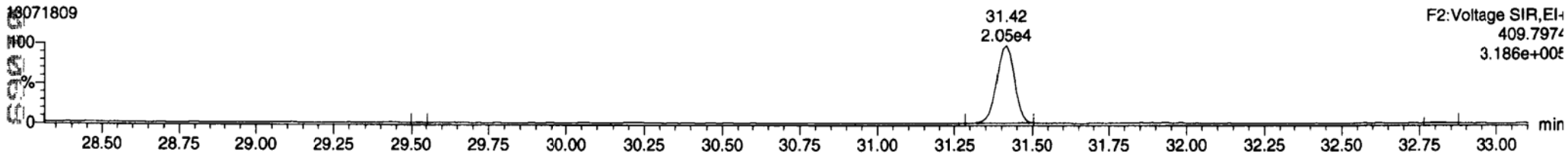
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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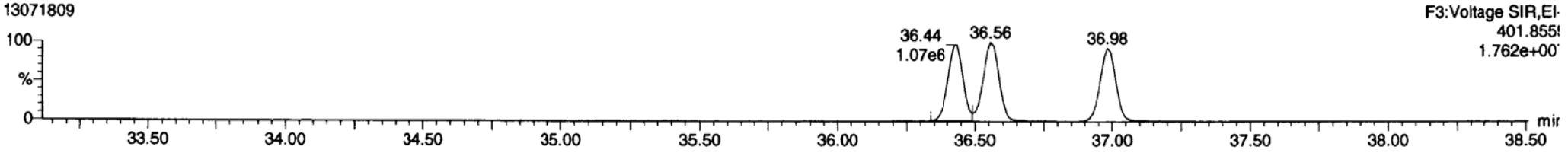
13C-123478-HxCDD



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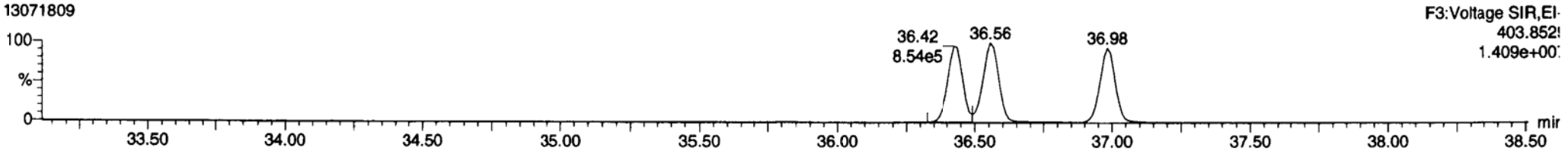
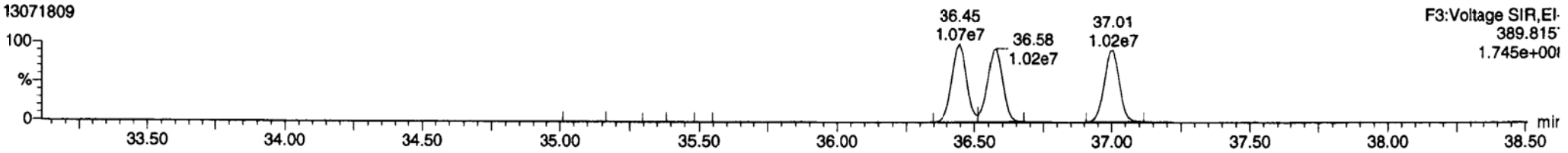
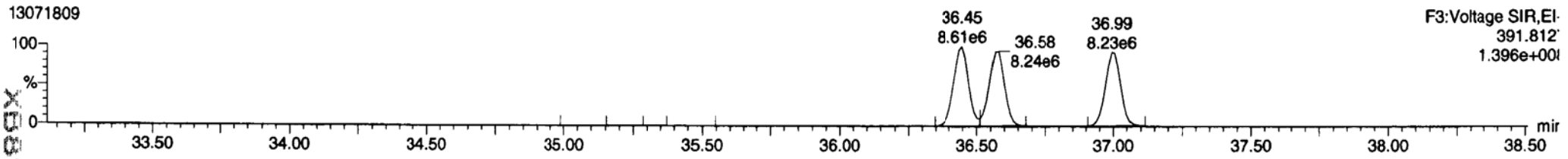


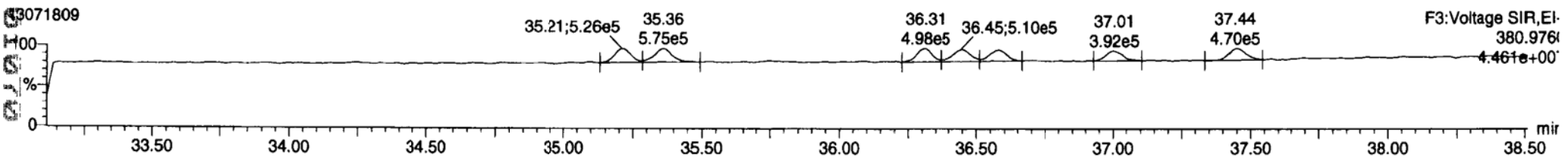
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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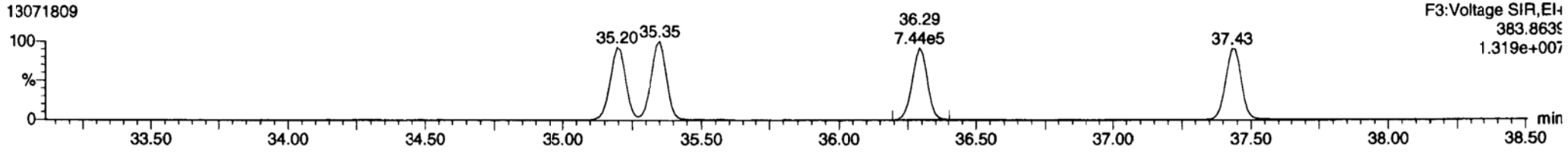
13C-234678-HxCDF



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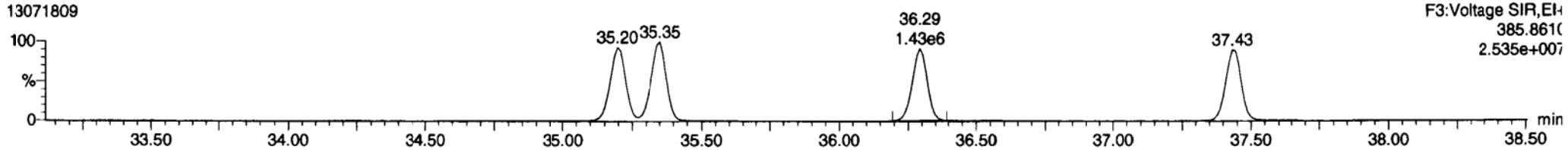
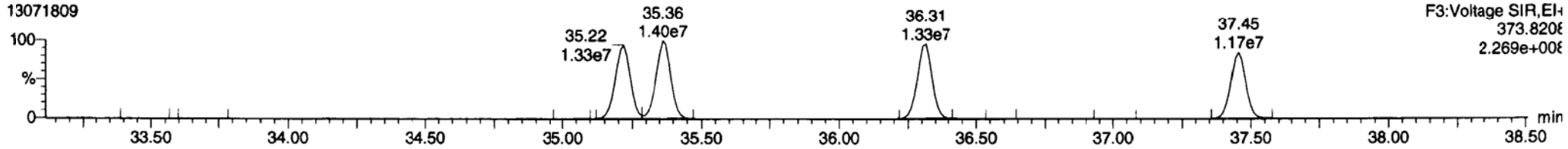
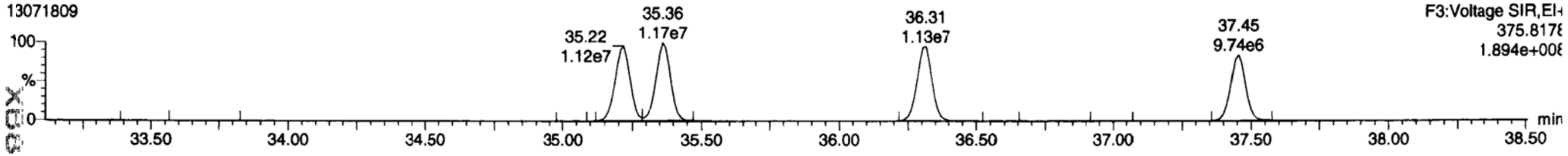


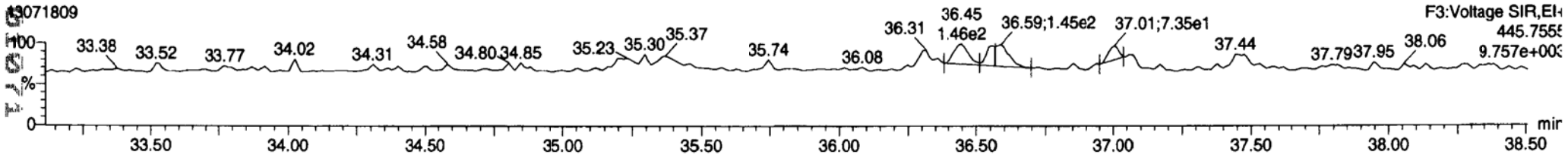
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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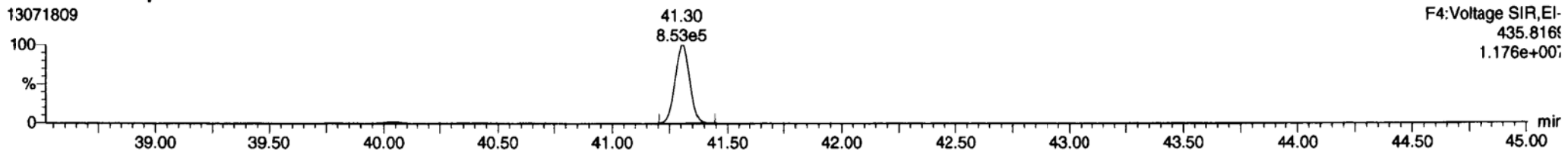
13C-1234678-HpCDD



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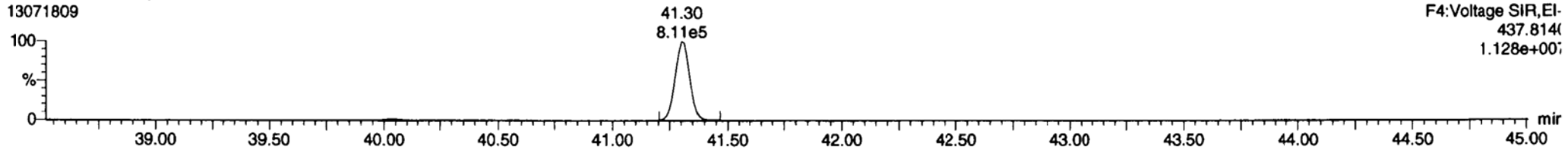
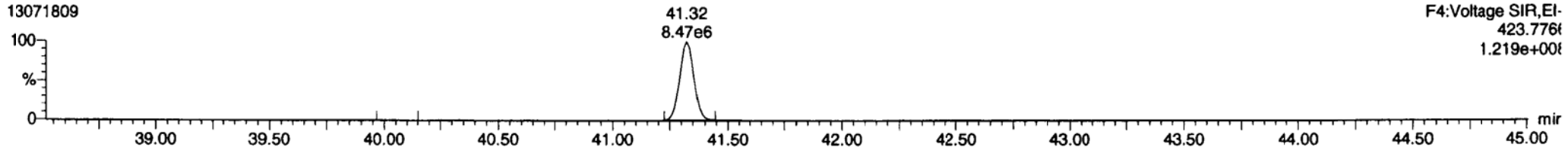
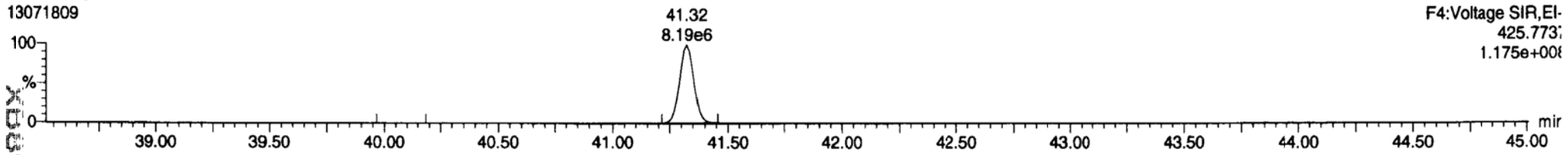


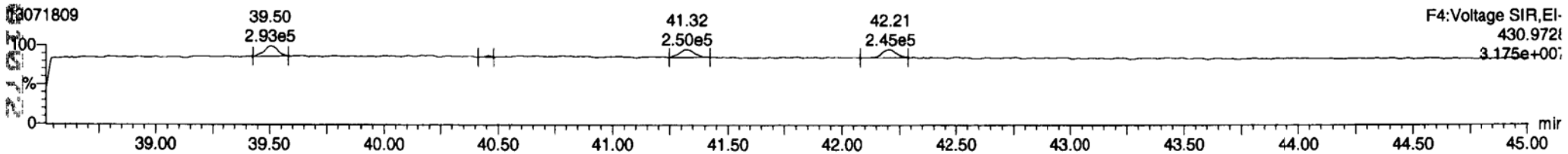
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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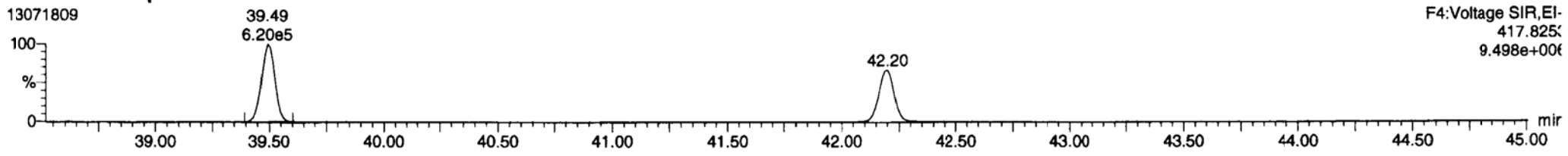
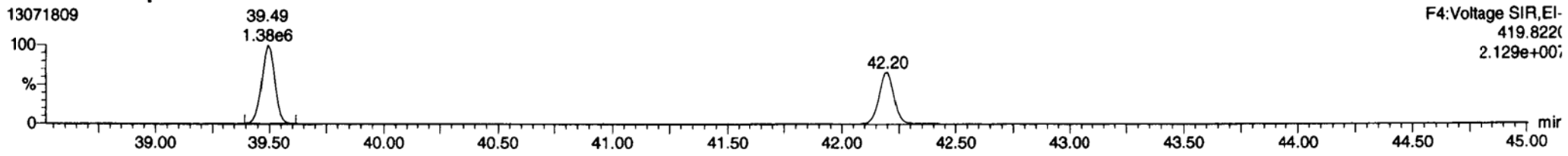
ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

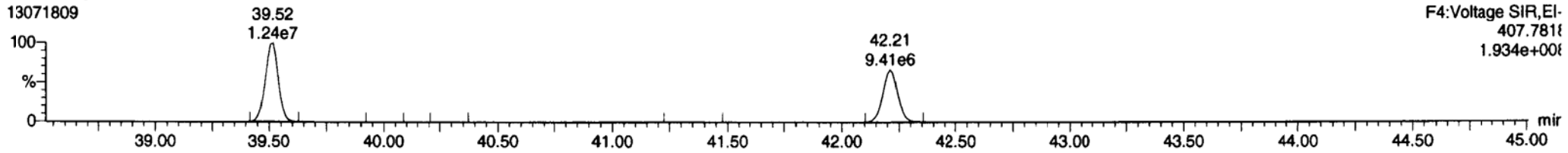
13C-1234678-HpCDF



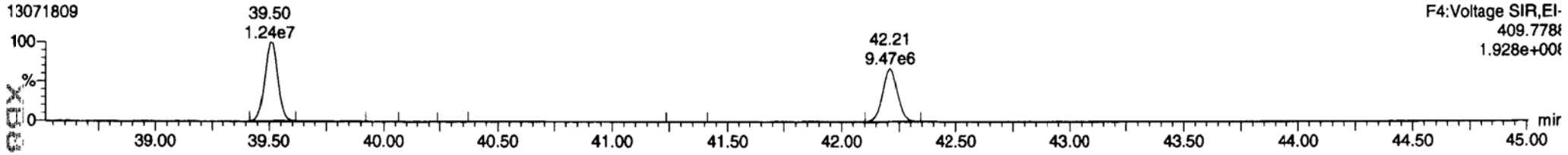
13C-1234678-HpCDF



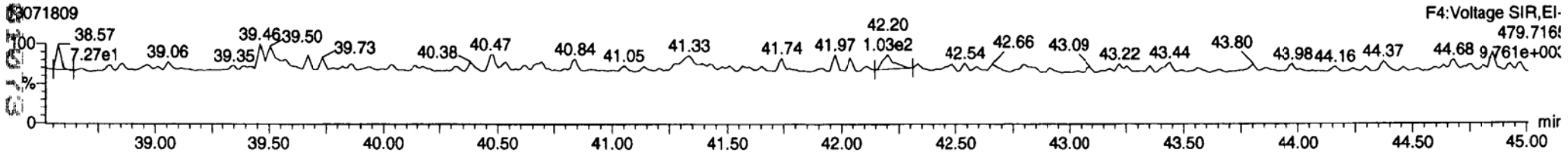
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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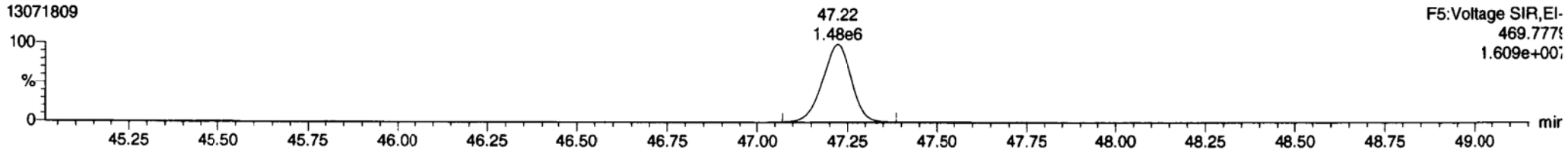
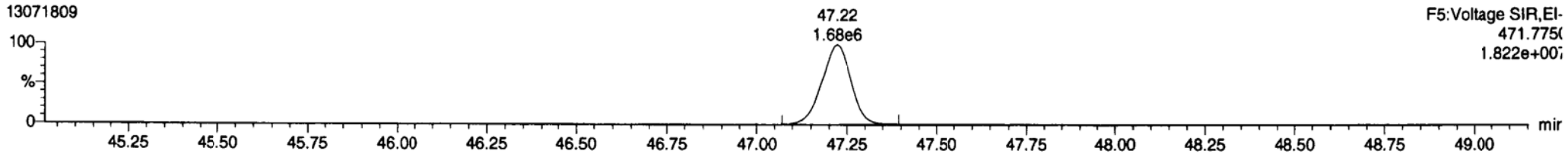
ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

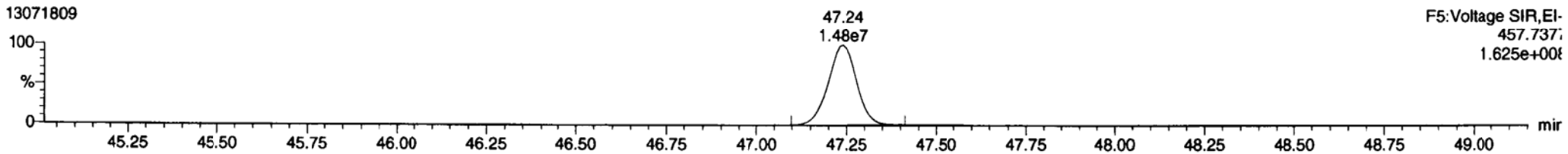
13C-OCDD



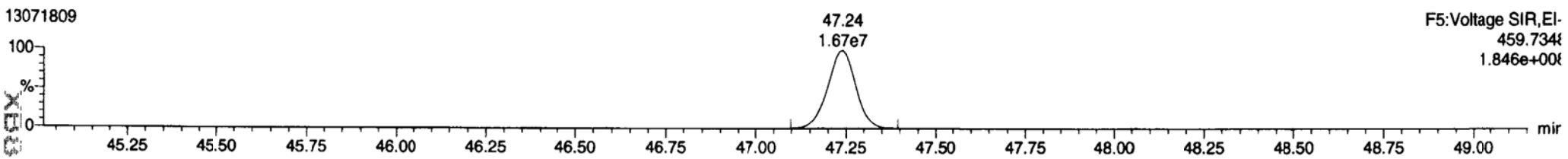
13C-OCDD



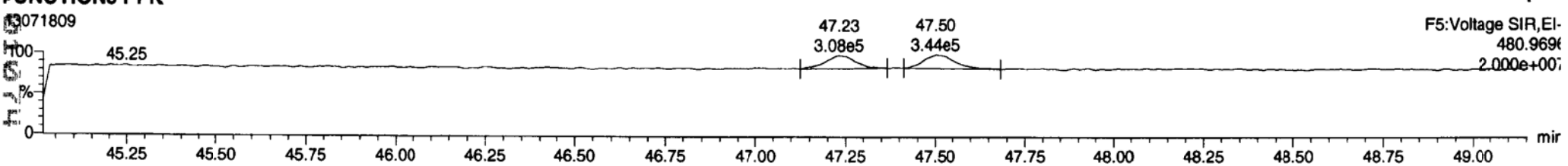
OCDD



OCDD



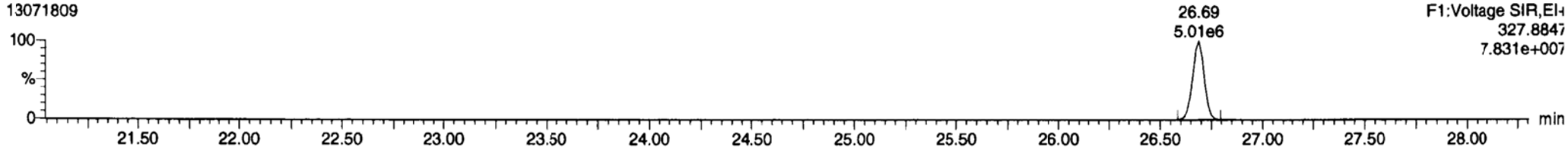
FUNCTION5 PFK



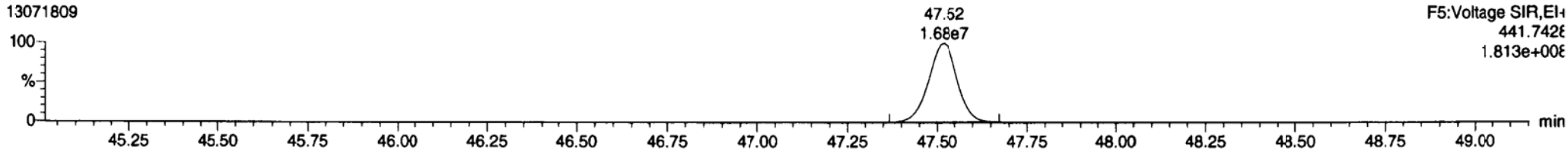
Dataset: P:\DIOXIN8290.PRO\130718IC.qld
Last Altered: Friday, July 19, 2013 10:15:25 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:17:13 Pacific Daylight Time

ID: CS5, Name: 13071809, Date: 18-Jul-2013, Time: 19:02:18, Conditions: AUTOSPEC01, User: pk

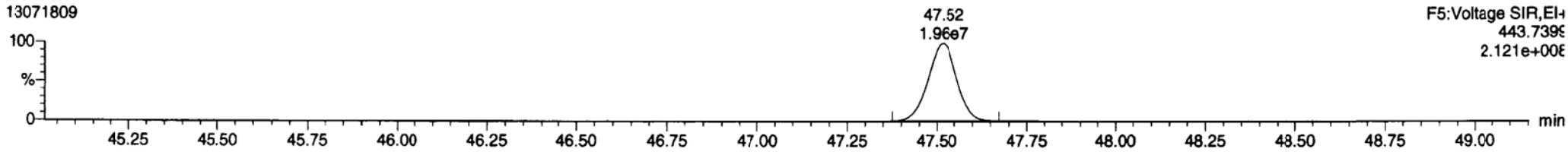
37CL-2378-TCDD



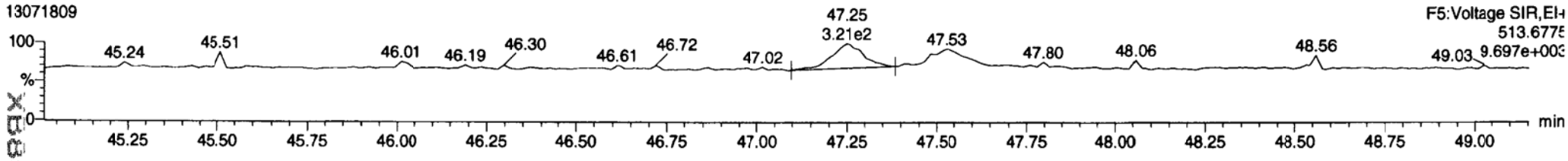
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: P:\DIOXIN8290.PRO\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.048	1.001	7.31e4	1.01e5	0.867	0.724	0.770	1008.9	NO	10.330	10.330
12378-PeCDF	30.189	1.001	4.63e5	3.15e5	0.875	1.468	1.550	2380.0	NO	55.239	55.239
23478-PeCDF	31.538	1.001	4.30e5	2.92e5	0.880	1.472	1.550	2227.4	NO	51.140	51.140
123478-HxCDF	35.209	1.000	3.87e5	3.26e5	1.048	1.190	1.240	2321.8	NO	55.042	55.042
234678-HxCDF	36.305	1.001	3.70e5	3.20e5	1.088	1.156	1.240	2224.4	NO	49.609	49.609
123678-HxCDF	35.362	1.001	3.99e5	3.42e5	1.025	1.167	1.240	2325.1	NO	52.680	52.680
123789-HxCDF	37.445	1.000	3.34e5	2.83e5	0.959	1.179	1.240	2015.7	NO	58.147	58.147
1234678-HpCDF	39.506	1.001	3.51e5	3.54e5	1.215	0.994	1.050	2642.8	NO	53.793	53.793
1234789-HpCDF	42.202	1.000	2.63e5	2.72e5	1.200	0.967	1.050	1727.9	NO	50.716	50.716
OCDF	47.501	1.006	4.23e5	5.00e5	1.064	0.845	0.890	2548.2	NO	113.169	113.169
2378-TCDD	26.691	1.001	6.16e4	7.96e4	0.994	0.774	0.770	1097.7	NO	10.132	10.132
12378-PeCDD	31.789	1.001	3.29e5	2.12e5	0.976	1.552	1.550	4425.8	NO	46.950	46.950
123478-HxCDD	36.437	1.000	2.93e5	2.36e5	0.967	1.244	1.240	3364.0	NO	51.868	51.868
123678-HxCDD	36.568	1.001	2.83e5	2.26e5	0.902	1.255	1.240	3107.5	NO	57.456	57.456
123789-HxCDD	36.996	1.012	3.07e5	2.49e5	0.914	1.234	1.240	3430.4	NO	59.654	59.654
1234678-HpCDD	41.314	1.000	2.53e5	2.47e5	0.999	1.022	1.050	2490.4	NO	51.049	51.049
OCDD	47.215	1.000	3.88e5	4.47e5	0.979	0.868	0.890	3364.3	NO	111.331	111.331
13C-2378-TCDF	26.033	1.007	8.54e5	1.09e6	1.419	0.784	0.770	4677.8	NO		87.395
13C-12378-PeCDF	30.167	1.167	9.87e5	6.24e5	1.158	1.582	1.550	7415.6	NO		88.702
13C-23478-PeCDF	31.515	1.219	9.83e5	6.24e5	1.127	1.575	1.550	7352.7	NO		91.015
13C-123478-HxCDF	35.198	0.952	4.17e5	8.19e5	1.206	0.509	0.510	2629.8	NO		92.223
13C-123678-HxCDF	35.341	0.956	4.70e5	9.03e5	1.266	0.520	0.510	2961.1	NO		97.640
13C-234678-HxCDF	36.283	0.981	4.33e5	8.43e5	1.155	0.514	0.510	2740.0	NO		99.532
13C-123789-HxCDF	37.434	1.012	3.80e5	7.27e5	1.121	0.524	0.510	2471.1	NO		88.939
13C-1234678-HpCDF	39.484	1.068	3.37e5	7.43e5	1.040	0.453	0.440	3181.4	NO		93.464
13C-1234789-HpCDF	42.191	1.141	2.72e5	6.07e5	0.789	0.448	0.440	2256.9	NO		100.277
13C-1234-TCDD	25.854	0.000	6.92e5	8.76e5	1.000	0.790	0.770	3689.6	NO		100.000
13C-2378-TCDD	26.676	1.032	6.14e5	7.88e5	0.962	0.779	0.770	3131.8	NO		92.972
13C-12378-PeCDD	31.767	1.229	7.16e5	4.63e5	0.746	1.547	1.550	8769.7	NO		100.776
13C-123478-HxCDD	36.426	0.985	5.88e5	4.66e5	1.003	1.264	1.240	4431.2	NO		94.646
13C-123678-HxCDD	36.546	0.988	5.46e5	4.36e5	1.052	1.251	1.240	4004.7	NO		84.097
13C-1234678-HpCDD	41.303	1.117	5.01e5	4.79e5	0.880	1.045	1.050	3798.1	NO		100.328
13C-OCDD	47.206	1.277	7.21e5	8.12e5	0.775	0.889	0.890	5758.1	NO		178.181

Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	36.974	0.000	6.17e5	4.93e5	1.000	1.251	1.240	4465.1	NO	100.000
Total-tetrafurans			7.36e4		0.867					10.435
Total-penta1			0.00e0							
Total-pentafurans			9.03e5		0.877					107.357
Total-hexafurans			1.49e6		1.030					215.502
Total-heptafurans			6.16e5		1.207					104.693
Total-Furans			3.50e6		1.022					551.156
Total-tetradioxins			6.19e4		0.994					10.161
Total-pentadioxins			3.29e5		0.978					46.994
Total-hexadioxins			8.83e5		0.928					169.002
Total-heptadioxins			2.54e5		0.999					51.294
Total-Dioxins			1.92e6		0.962					388.781
Total-TEQ			5.42e6							939.938
37CL-2378-TCDD	26.691	1.032	1.53e5		1.091			1549.0		8.932
FUNCTION1 PFK			5.44e7							
FUNCTION2 PFK			0.00e0							
FUNCTION3 PFK			8.10e5							0.000
FUNCTION4 PFK			1.87e4							
FUNCTION5 PFK			2.64e6							
FUNCTION1 HXCDPE			3.55e2							0.000
FUNCTION1 HPCDPE			1.70e3							0.000
FUNCTION2 HPCDPE			2.58e2							0.000
FUNCTION3 OCDPE			0.00e0							
FUNCTION4 NCDPE			7.37e1							0.000
FUNCTION5 DCDPE			0.00e0							

Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
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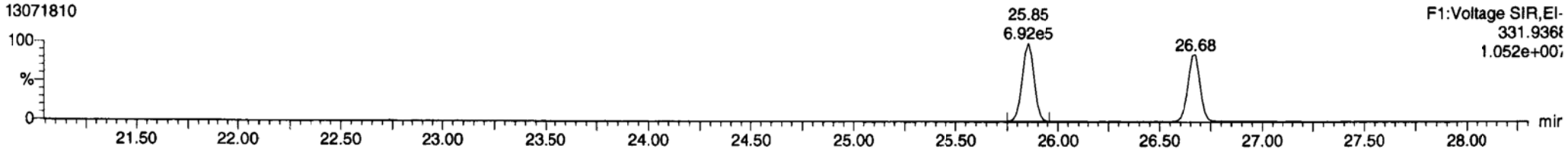
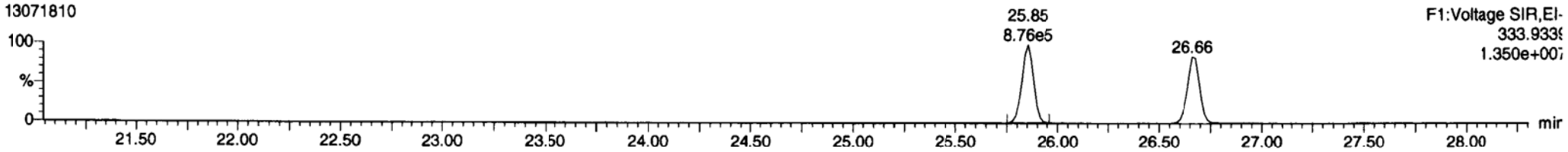
Method: P:\DIOXIN8290.PRO\MethDB\Dioxin130716.mdb 18 Jul 2013 10:49:00
Calibration: P:\DIOXIN8290.PRO\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

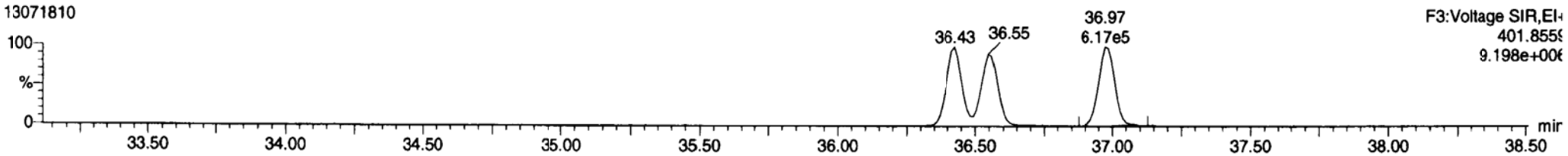
13C-1234-TCDD



13C-1234-TCDD



13C-123789-HxCDD



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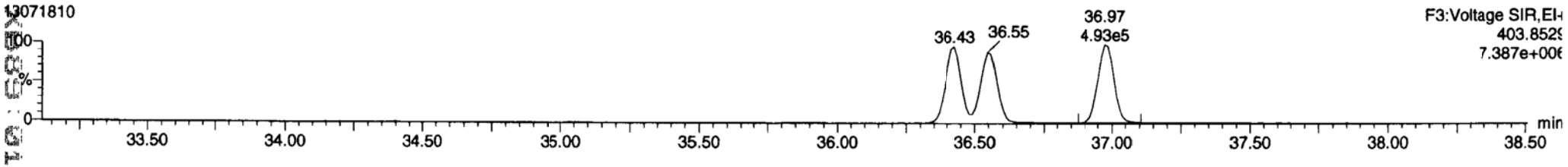
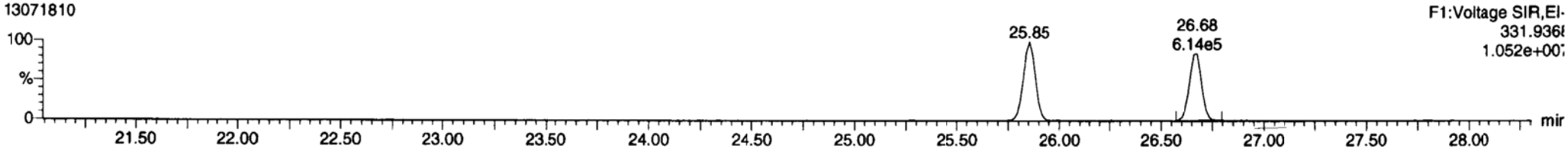


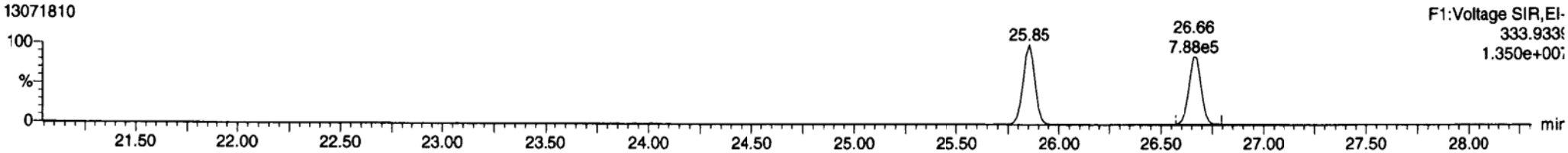
Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

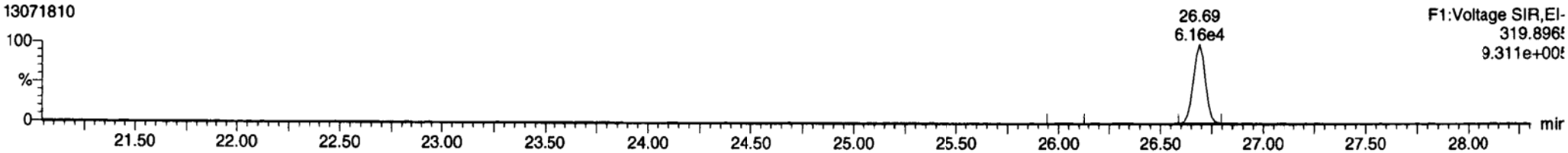
13C-2378-TCDD



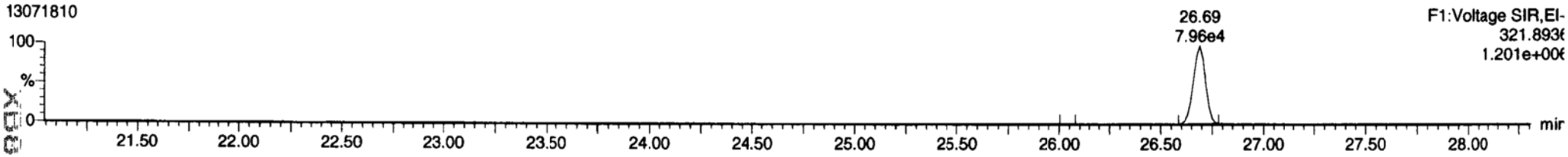
13C-2378-TCDD



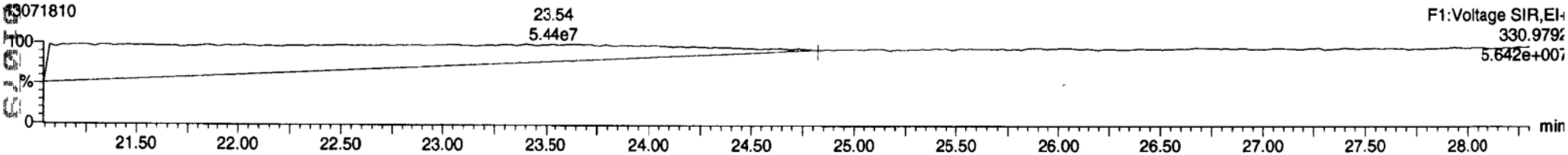
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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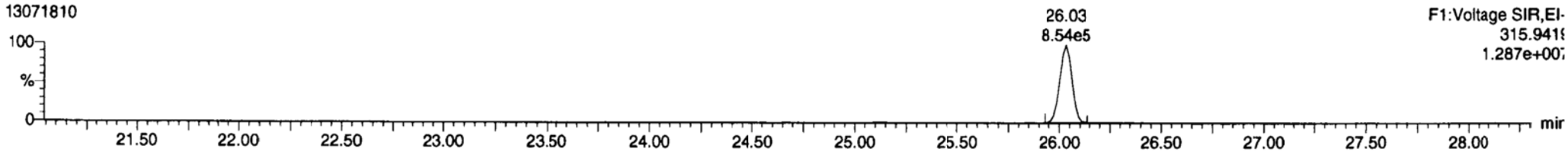
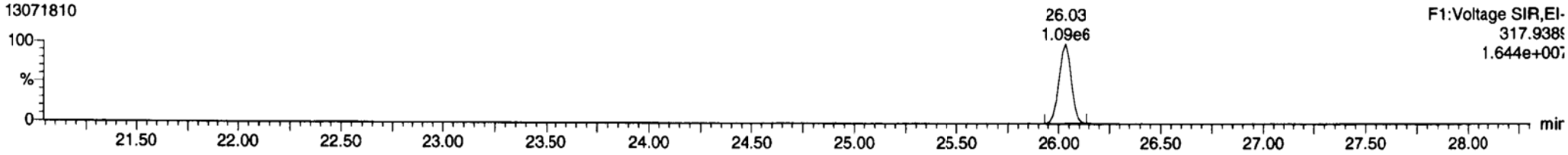
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

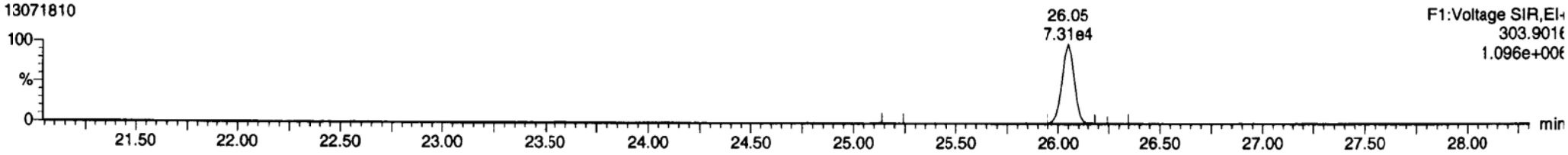
13C-2378-TCDF



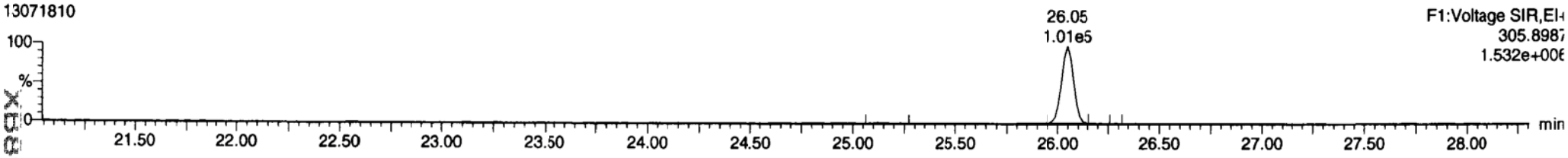
13C-2378-TCDF



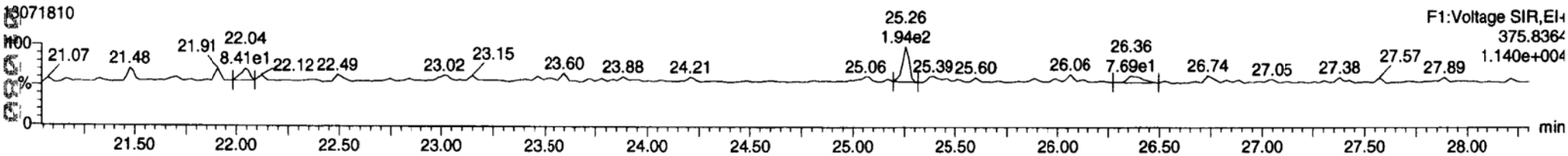
Total-tetrafurans



Total-tetrafurans



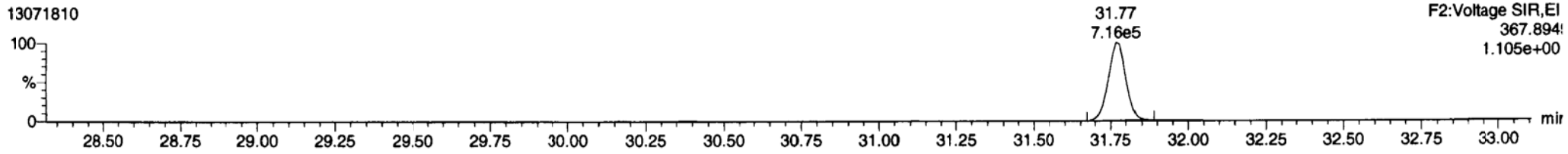
FUNCTION1 HXCDPE



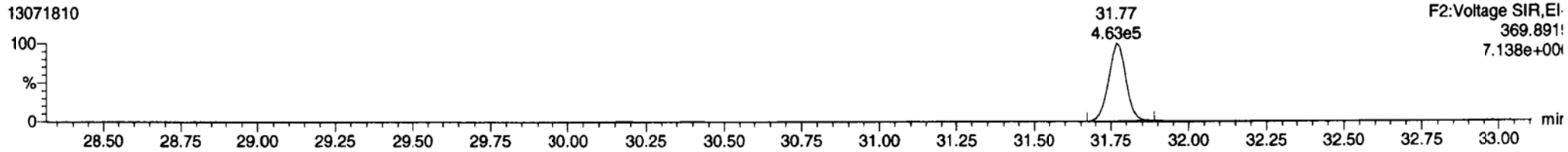
Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

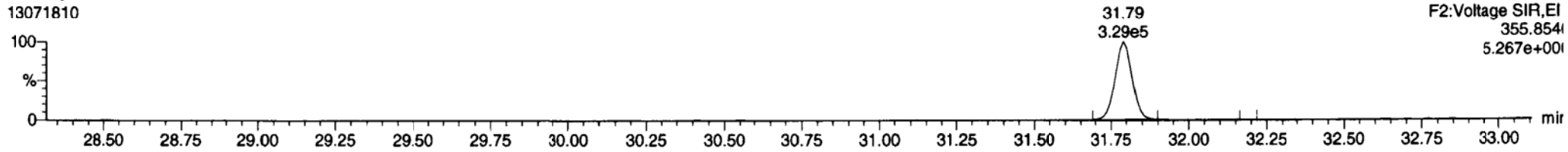
13C-12378-PeCDD



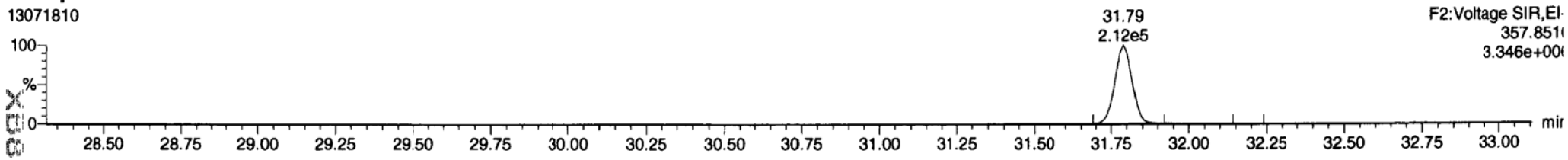
13C-12378-PeCDD



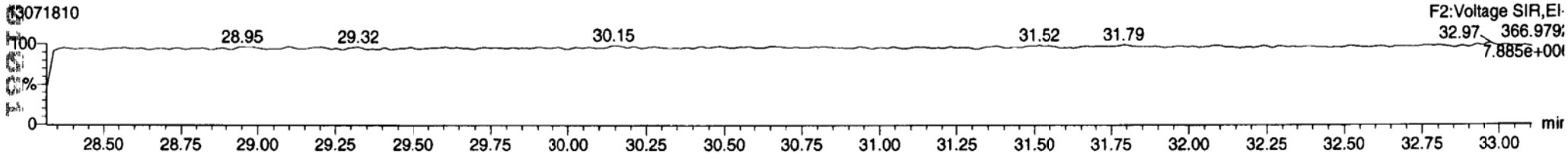
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130718ICV.qld
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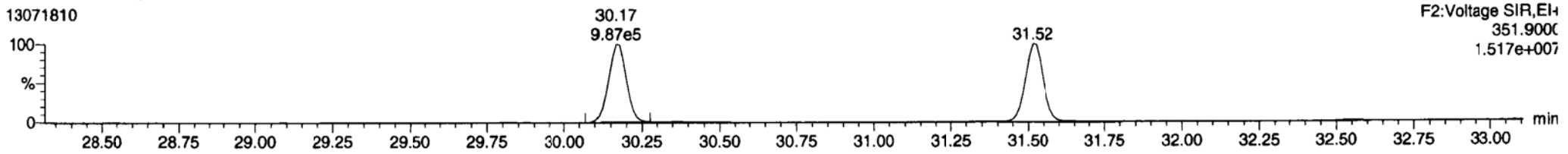
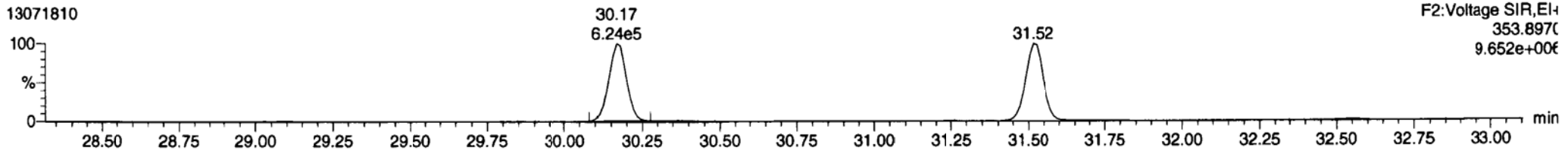
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

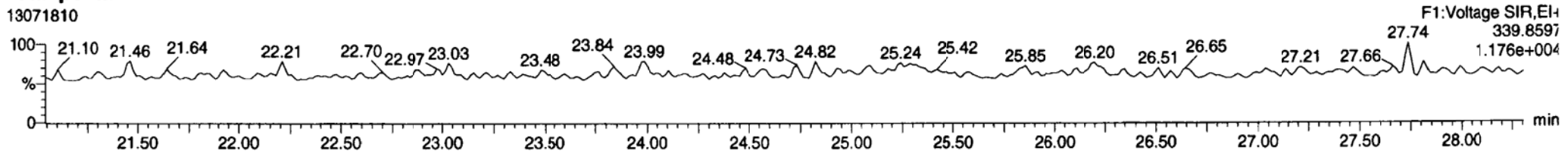
13C-12378-PeCDF



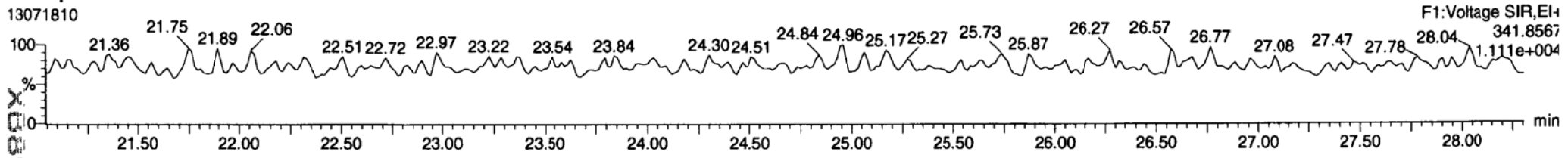
13C-12378-PeCDF



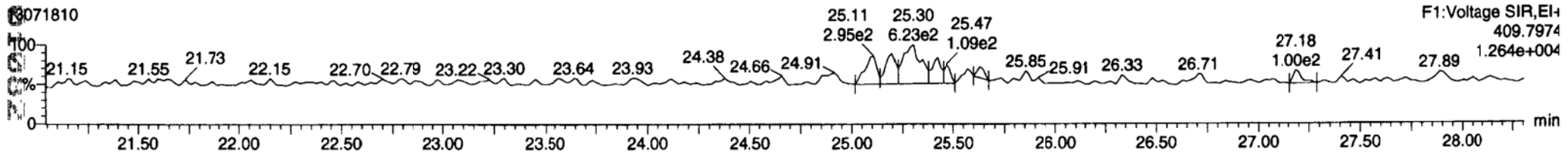
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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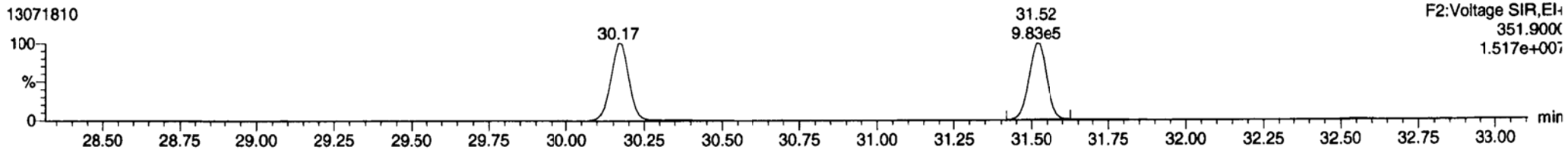
ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

13C-23478-PeCDF



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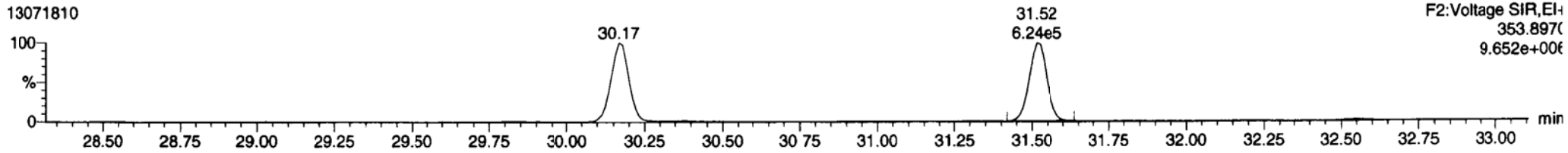
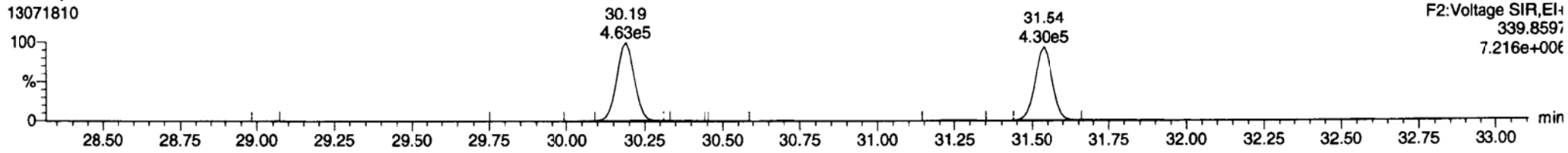


Total-pentafurans



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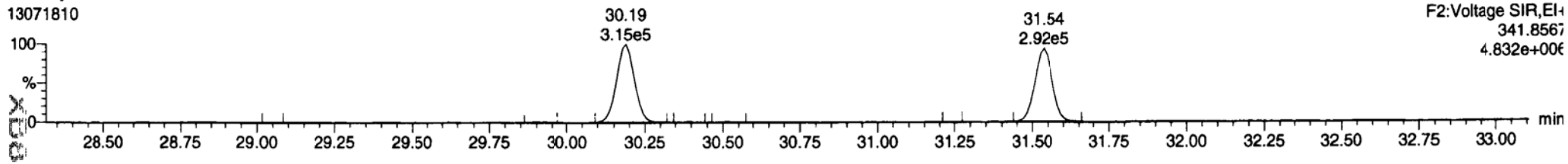
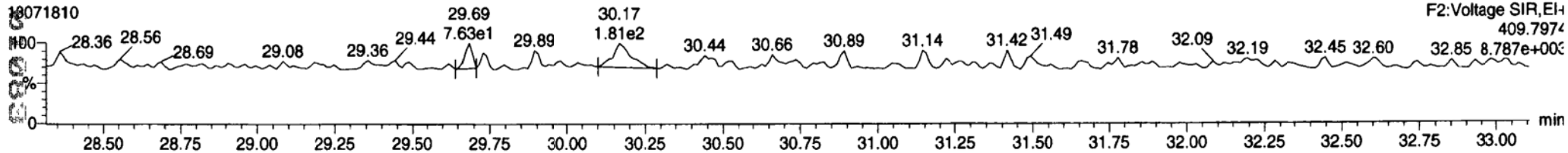


FUNCTION2 HPCDPE



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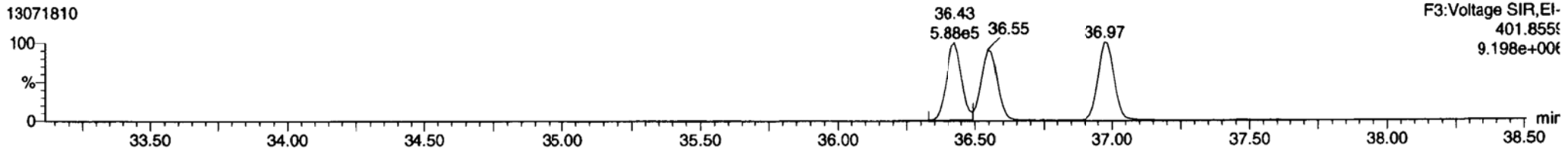
Last Altered: Friday, July 19, 2013 10:18:10 Pacific Daylight Time
Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

ID: ICV, Name: 13071810, Date: 18-Jul-2013, Time: 19:54:25, Conditions: AUTOSPEC01, User: pk

13C-123478-HxCDD



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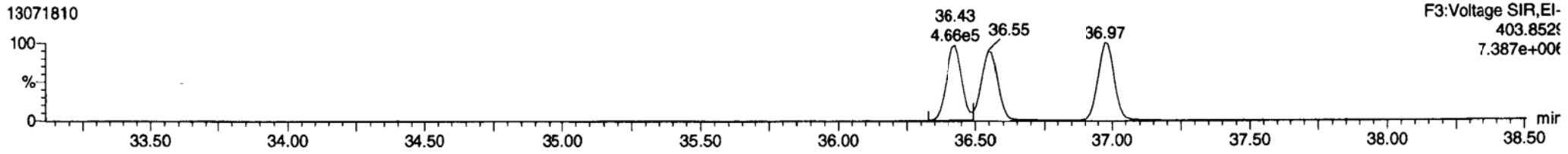

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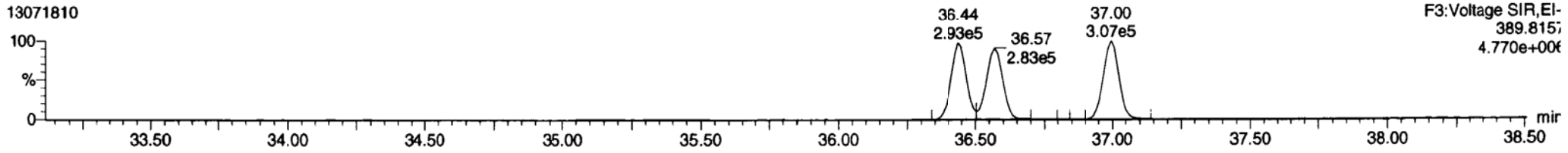

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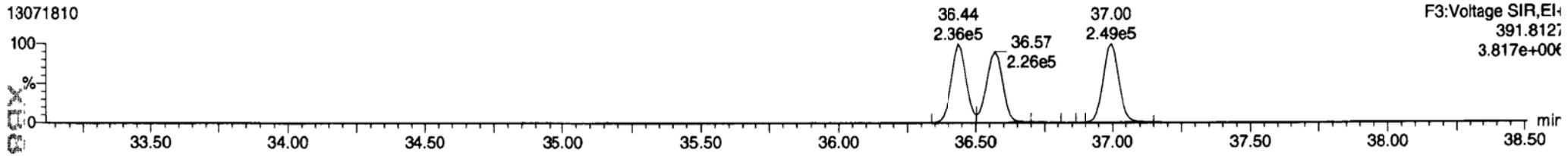
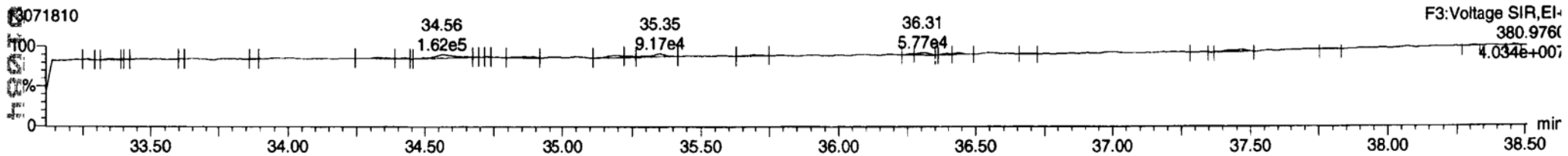


FUNCTION3 PFK



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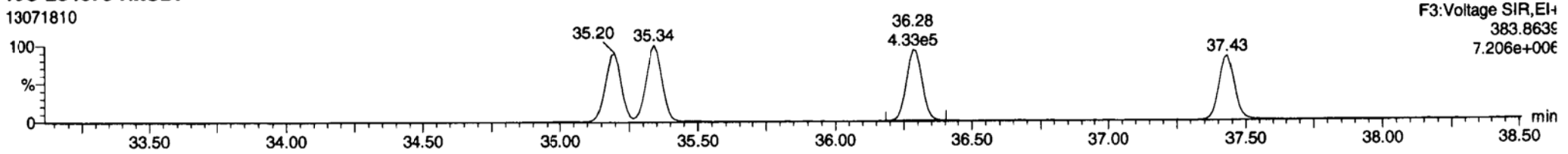
13C-234678-HxCDF



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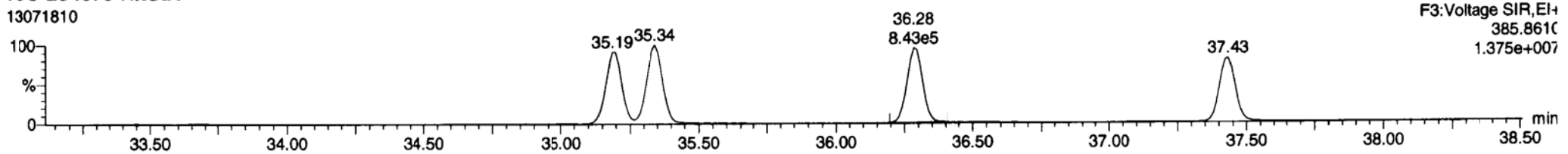

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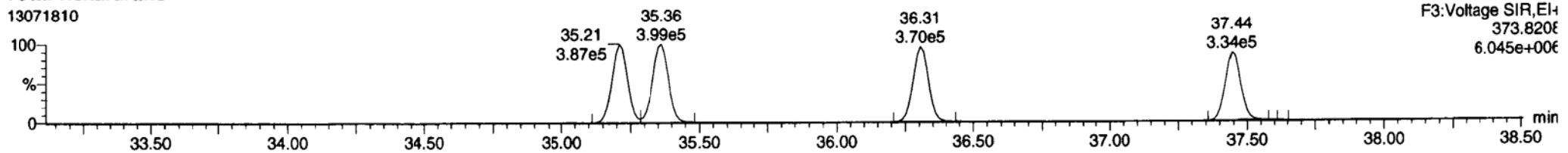

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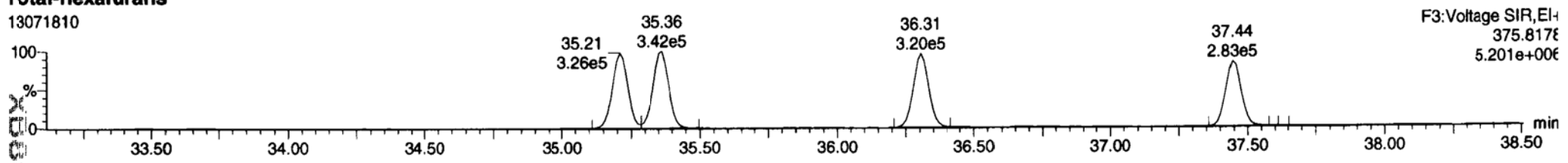
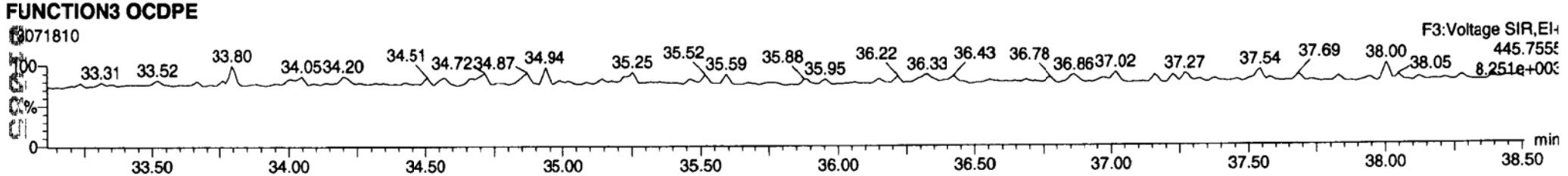


FUNCTION3 OCDPE



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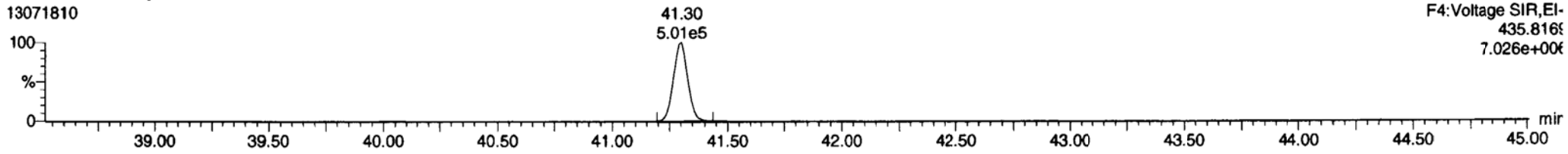
13C-1234678-HpCDD



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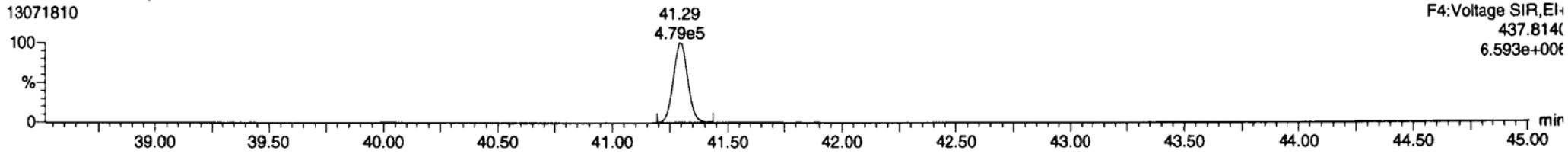

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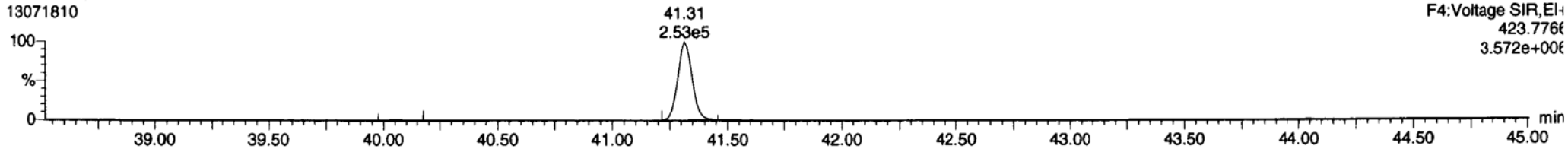

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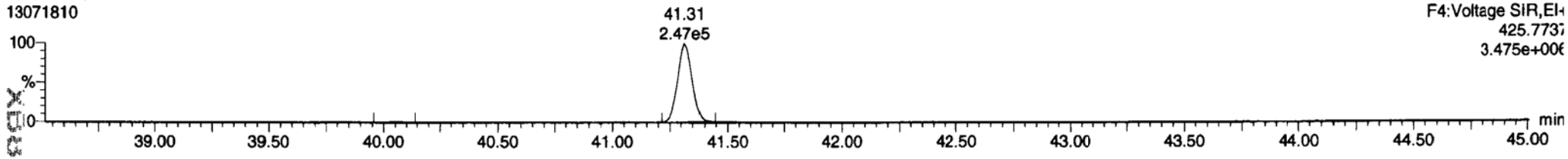

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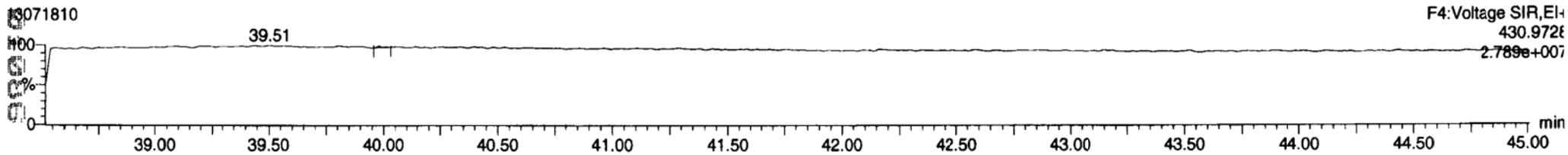

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Printed: Friday, July 19, 2013 10:18:37 Pacific Daylight Time

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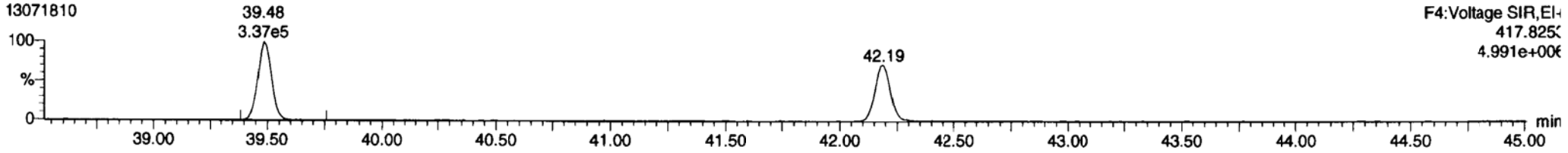
13C-1234678-HpCDF



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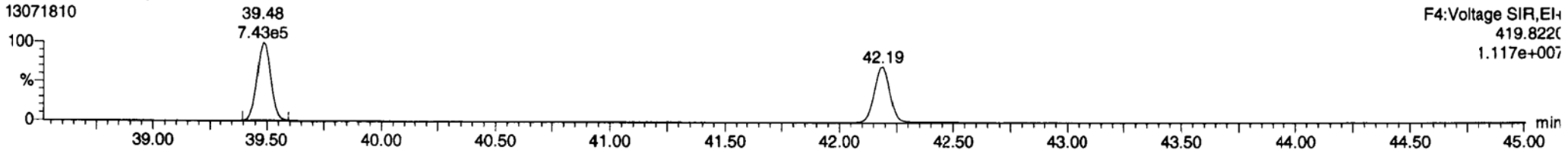

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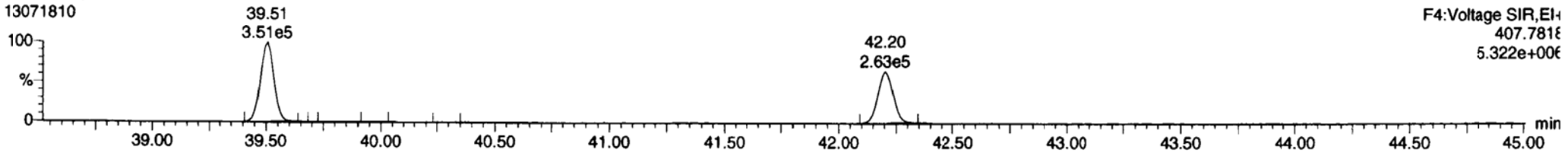

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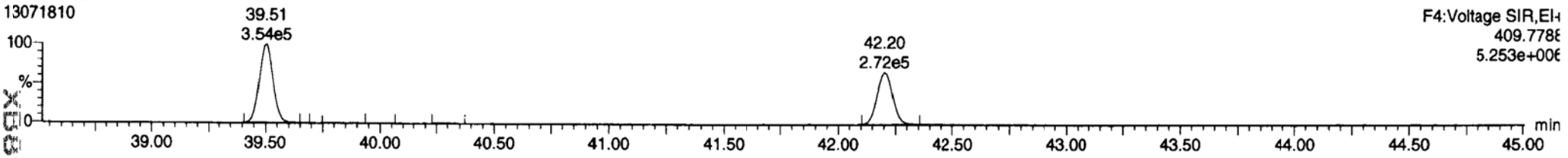
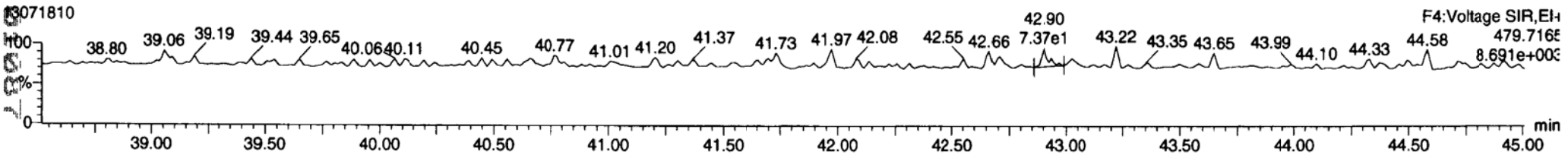


FUNCTION4 NCDPE



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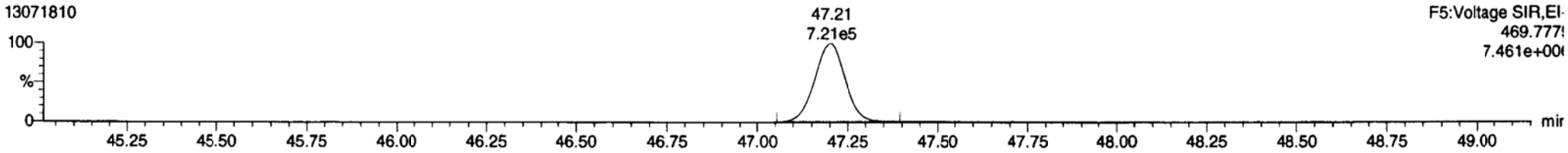
13C-OCDD



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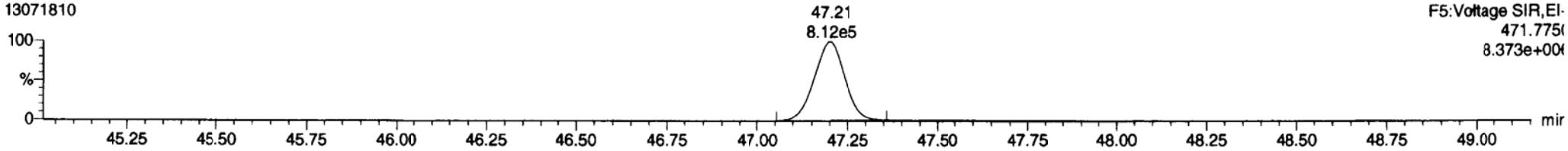

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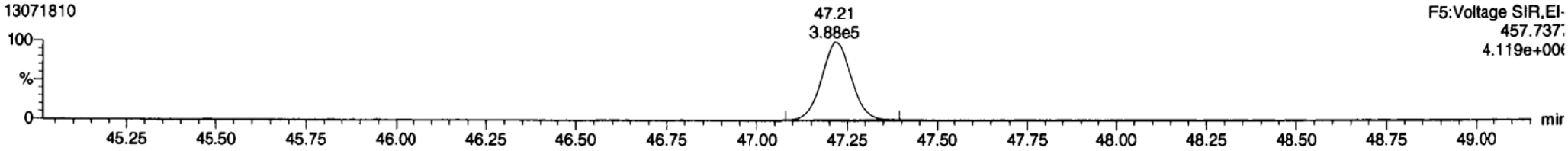

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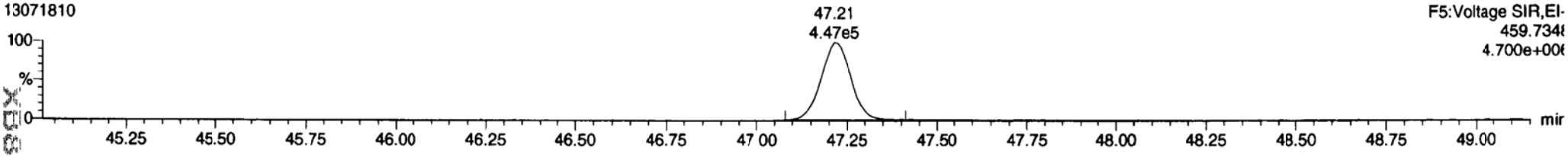

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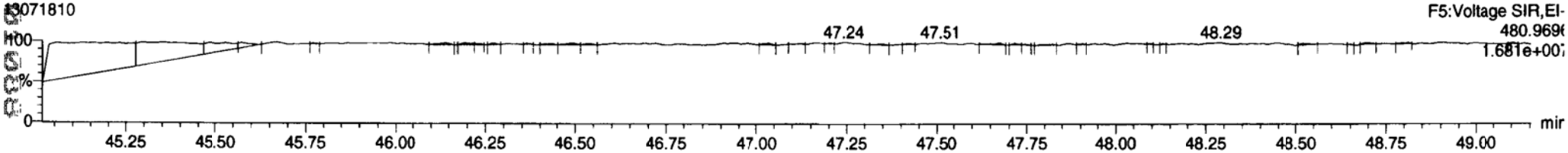

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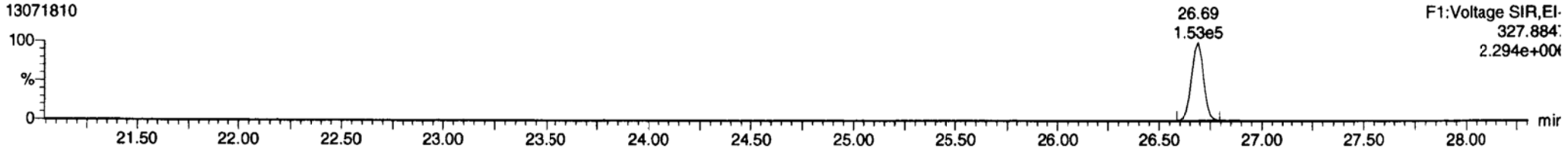
37CL-2378-TCDD



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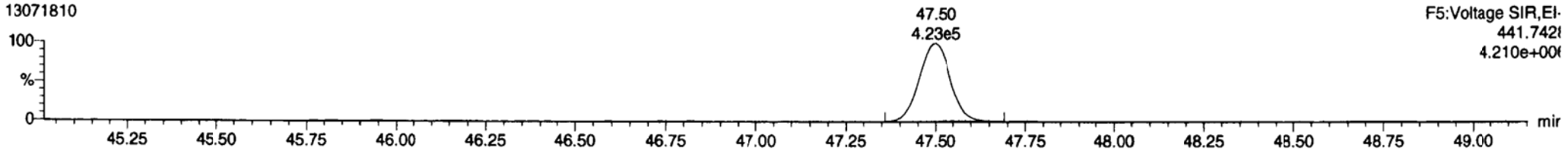

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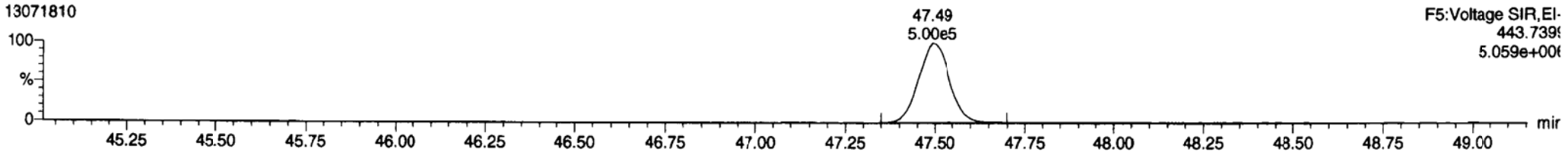

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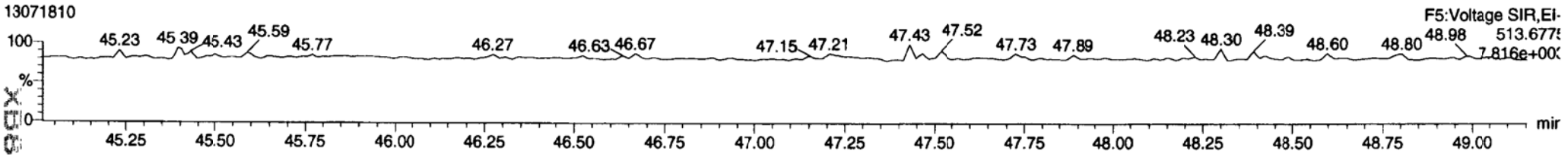

Dioxin Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: XB89

Analytical Resources, Incorporated
Analytical Chemists and
Consultants

HR-GC/MS Analyst Notes / Data Review Checklist

ARI Work Order: XB89 Client ID: Another

METHOD: **1613B** (Dioxins) **8290A** (Dioxins)

Instrument: **AutoSpec01**

Curve Date: 7/18/13 Analysis Start Date: 8/28/13

	REVIEW 1/REVIEW 2		REVIEW 1/REVIEW 2
Resolution Check > 10,000ppm	(Y) / N / ✓	Signal / Noise ≥ 2.5?	(Y) / N / ✓
TCDD / TCDF Resolution ≤ 25%	(Y) / N / ✓	Extraction STD Limits Met?	(Y) / N / ✓
PCDF Windows Verified	(Y) / N / ✓	Cleanup STD Limits Met?	(Y) / N / ✓
CCV Meets %D Limits?	(Y) / N / ✓	Method Blank in Control?	(Y) / N / ✓
CCV Ion Ratios within Limits?	(Y) / N / ✓	OPR Recovery Limits Met?	(Y) / N / ✓
CCV RRT within Limits?	(Y) / N / ✓	Values Exceeding Curve Range?	(Y) / N / ✓
Manual Integrations for Samples?	(Y) / N / ✓	Samples Diluted?	(Y) / N / ✓
Special Analysis Request?	Y / N / ____	Duplicate Sample RPD ≤ 25%?	NA / ____

Detail problems, corrective actions and/or other pertinent information below:

- TCDF and cleanup std had relatively low recoveries in samples A+B, but still within limits.

(Review 1)Analyst: [signature] Date: 8/29/13

(Review 2)Reviewer: [signature] Date: 8/30

Analytical Resources Inc.: Organics Instrument Log

AutoSpec01 Serial No.:GC=CN10921030, MS=P764

Date: 8/28/13 Analysis: Dioxins Analyst: MK

GC Program: 8290C Column No: I7822 Column Type: RTX Dioxin2

Inj Vol: 1ul Instrument Tune (IPR): Jul16B3 1-5 Detector Voltage: 350

Resolution Check Files: 11:10, 21:01, 03:19 Curve Date: 7/18/13

IS/SS	Ical/Ccal	LCS/ICV
I8144	I7708 1999-3	

1	28-Aug-13	11:15:18	13082802	CS3	
2	28-Aug-13	12:05:41	13082803	ISC01	
3	28-Aug-13	13:05:02	13082804	XB89MBS	
4	28-Aug-13	13:55:23	13082805	XB89OPR	
5	28-Aug-13	14:47:45	13082806	XB89A 10X	
6	28-Aug-13	15:39:59	13082807	XB89B 10X	
7	28-Aug-13	16:32:20	13082808	XB89C 10X	
8	28-Aug-13	17:24:33	13082809	XB89D 10X	
9	28-Aug-13	18:17:01	13082810	XB89E 10X	
10	28-Aug-13	19:09:15	13082811	XB89F 10X	
11	28-Aug-13	20:01:36	13082812	CS3	
12	28-Aug-13	21:02:01	13082813	XB89A	
13	28-Aug-13	21:57:38	13082814	XB89B	
14	28-Aug-13	22:49:52	13082815	XB89C	
15	28-Aug-13	23:42:13	13082816	XB89D	
16	29-Aug-13	00:34:42	13082817	XB89E	
17	29-Aug-13	01:27:03	13082818	XB89F	
18	29-Aug-13	02:19:17	13082819	CS3	

MK 8/29/13

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks In StarLIMS

Printed: Wednesday, August 28, 2013 11:10:10 Pacific Daylight Time

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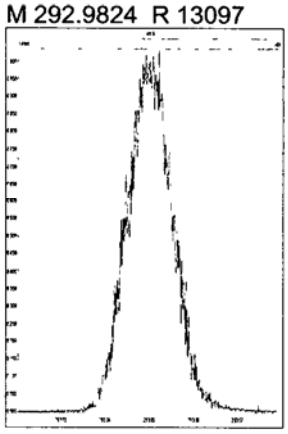

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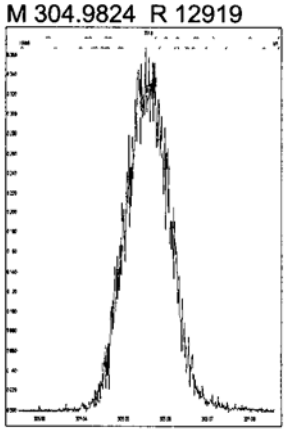

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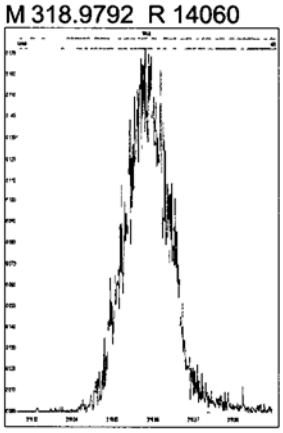
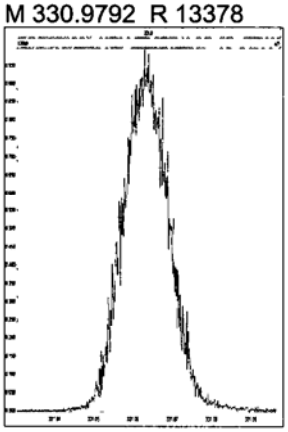


M 330.9792 R 13378



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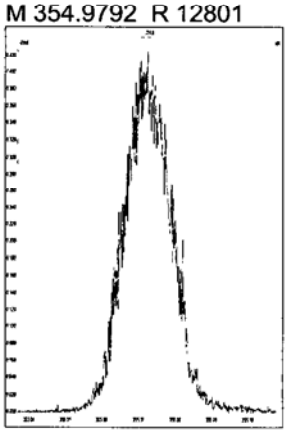

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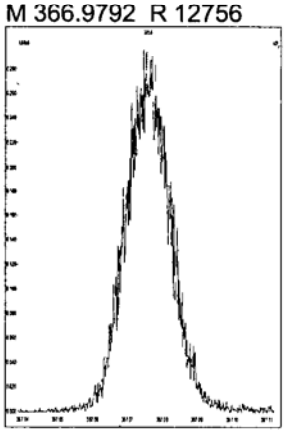

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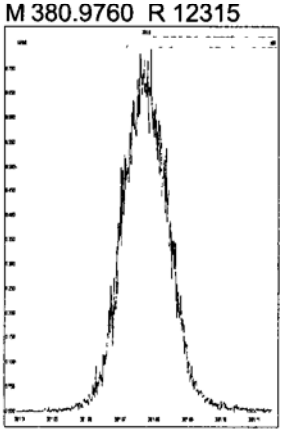

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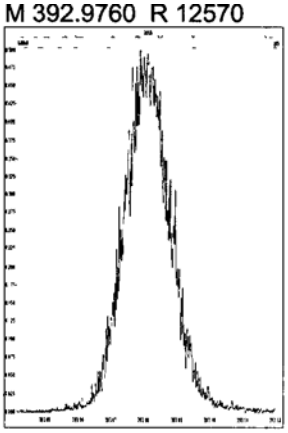

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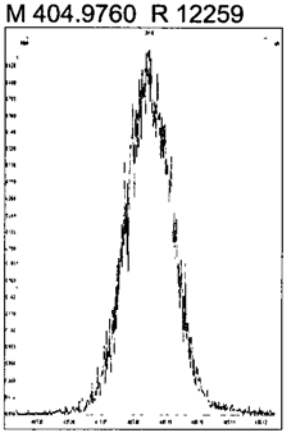

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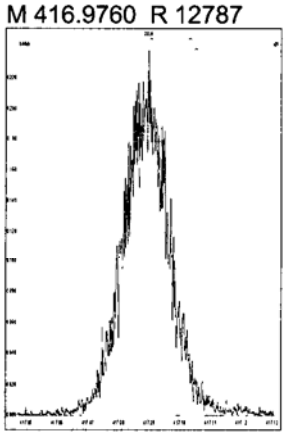

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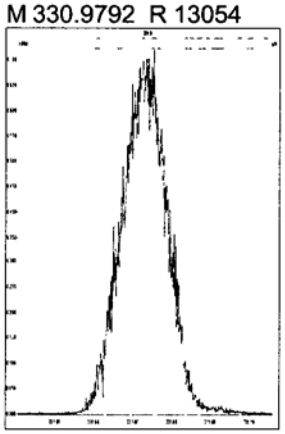
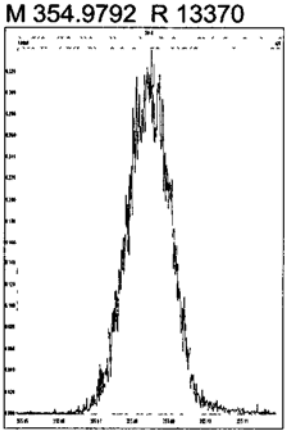
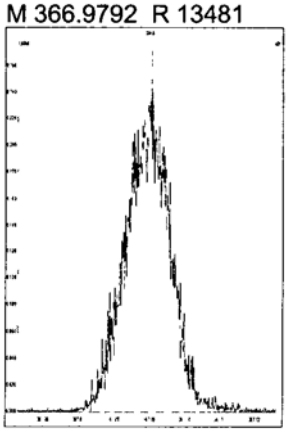


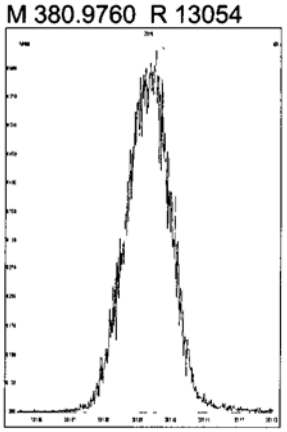
M 354.9792 R 13370



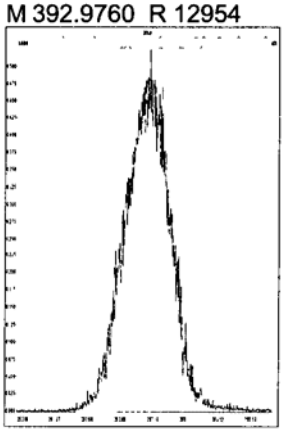
M 366.9792 R 13481



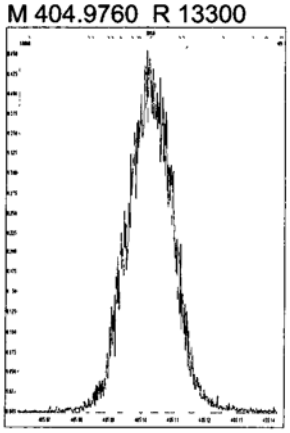
M 380.9760 R 13054



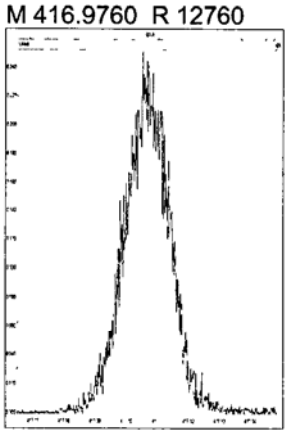
M 392.9760 R 12954



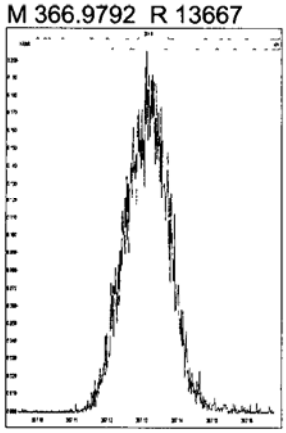
M 404.9760 R 13300



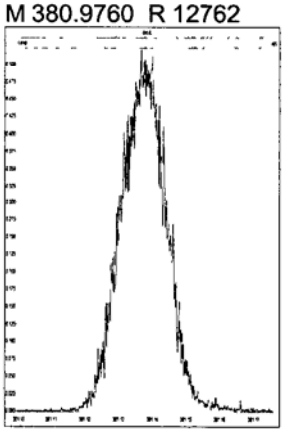
M 416.9760 R 12760



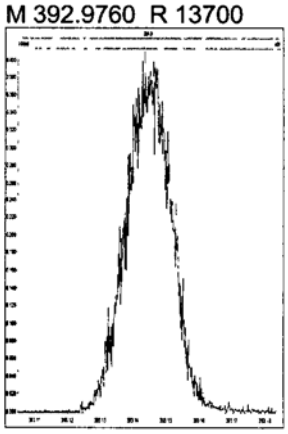
M 366.9792 R 13667



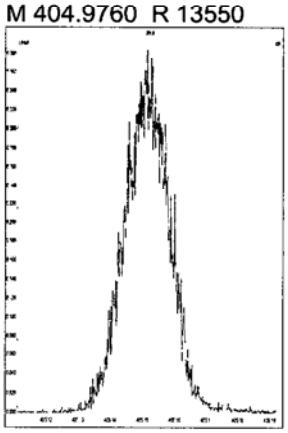
M 380.9760 R 12762



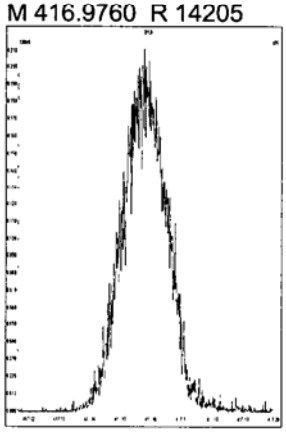
M 392.9760 R 13700



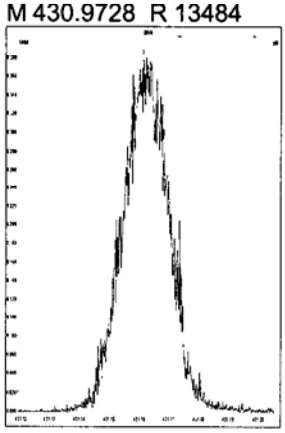
M 404.9760 R 13550



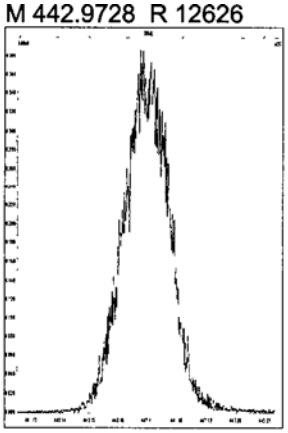
M 416.9760 R 14205



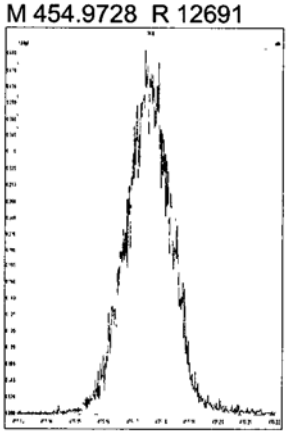
M 430.9728 R 13484



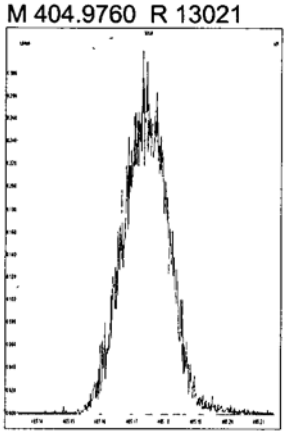
M 442.9728 R 12626



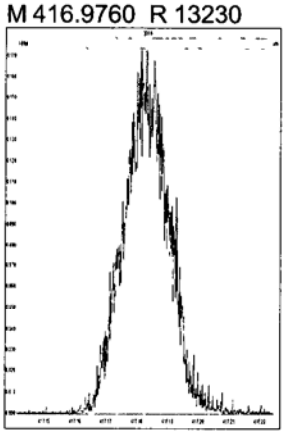
M 454.9728 R 12691



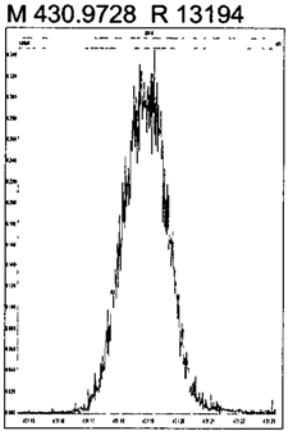
M 404.9760 R 13021



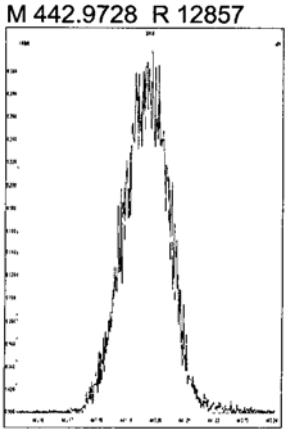
M 416.9760 R 13230



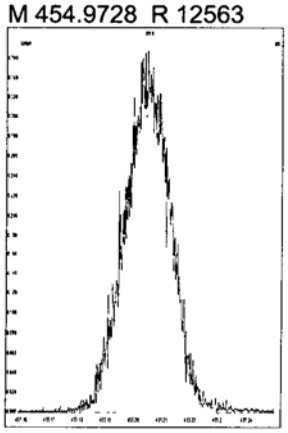
M 430.9728 R 13194



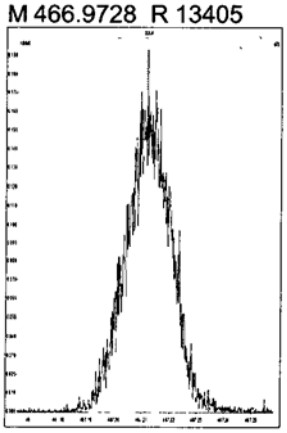
M 442.9728 R 12857



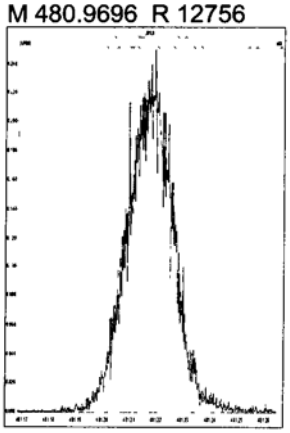
M 454.9728 R 12563



M 466.9728 R 13405

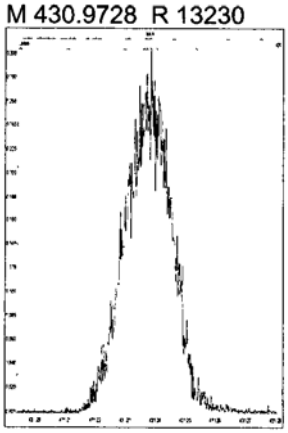


M 480.9696 R 12756

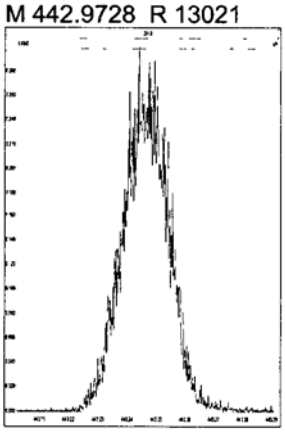


Printed: Wednesday, August 28, 2013 11:10:10 Pacific Daylight Time

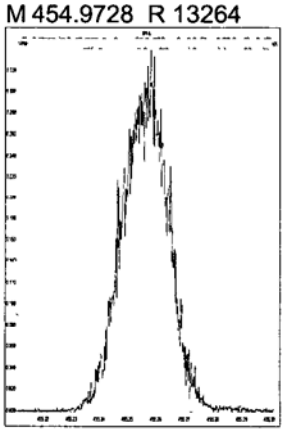
M 430.9728 R 13230



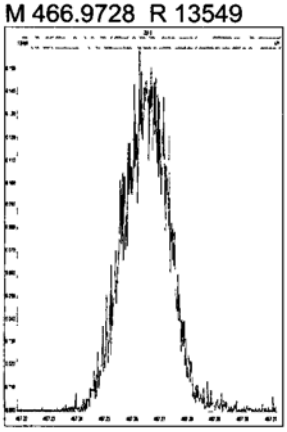
M 442.9728 R 13021



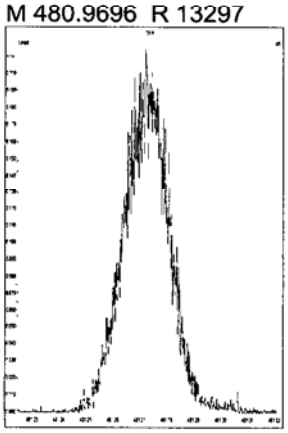
M 454.9728 R 13264



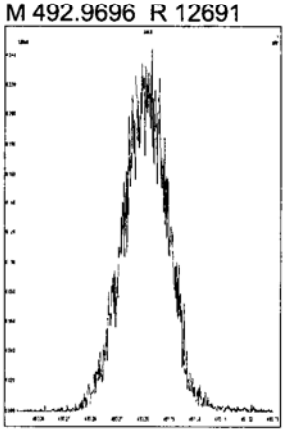
M 466.9728 R 13549



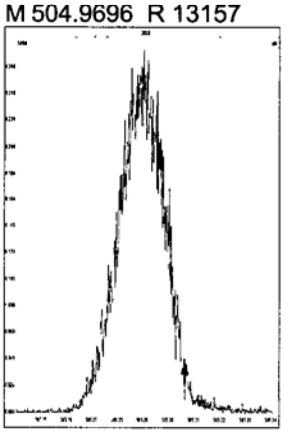
M 480.9696 R 13297



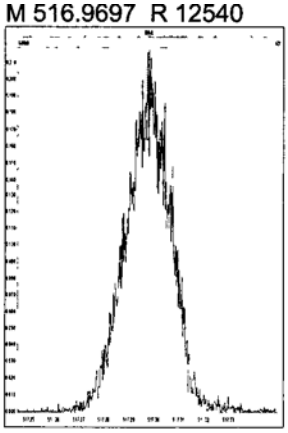
M 492.9696 R 12691

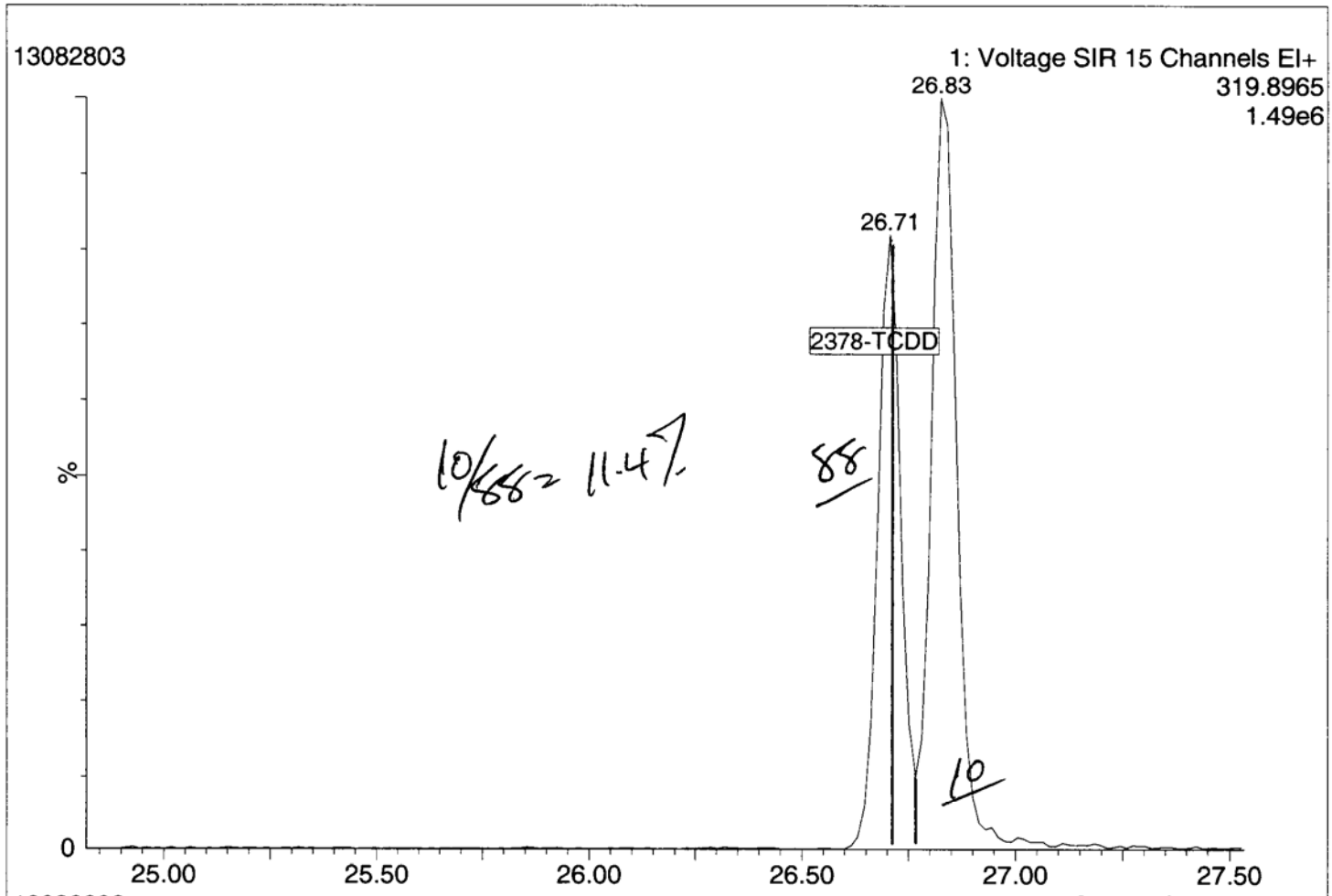


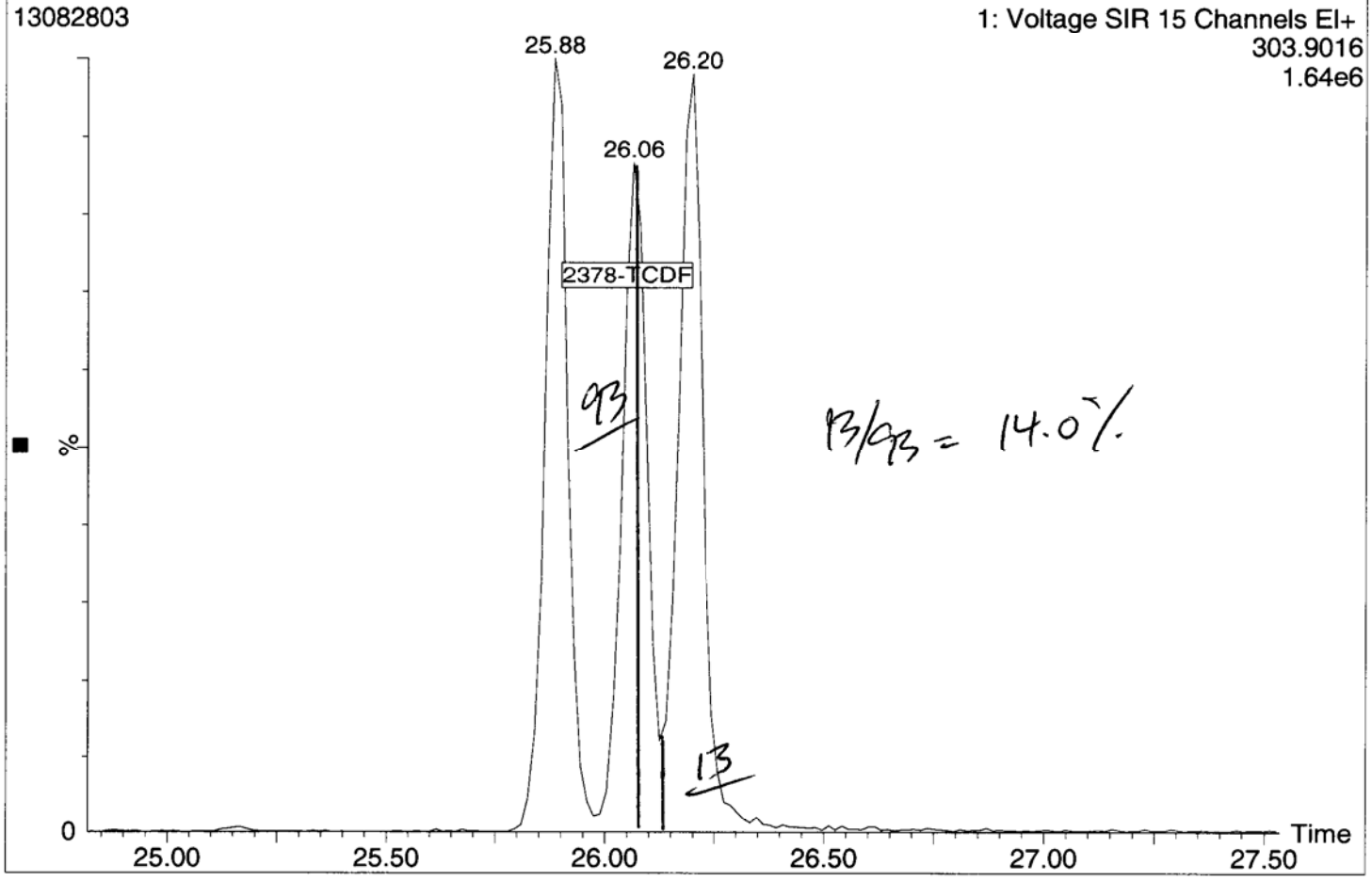
M 504.9696 R 13157

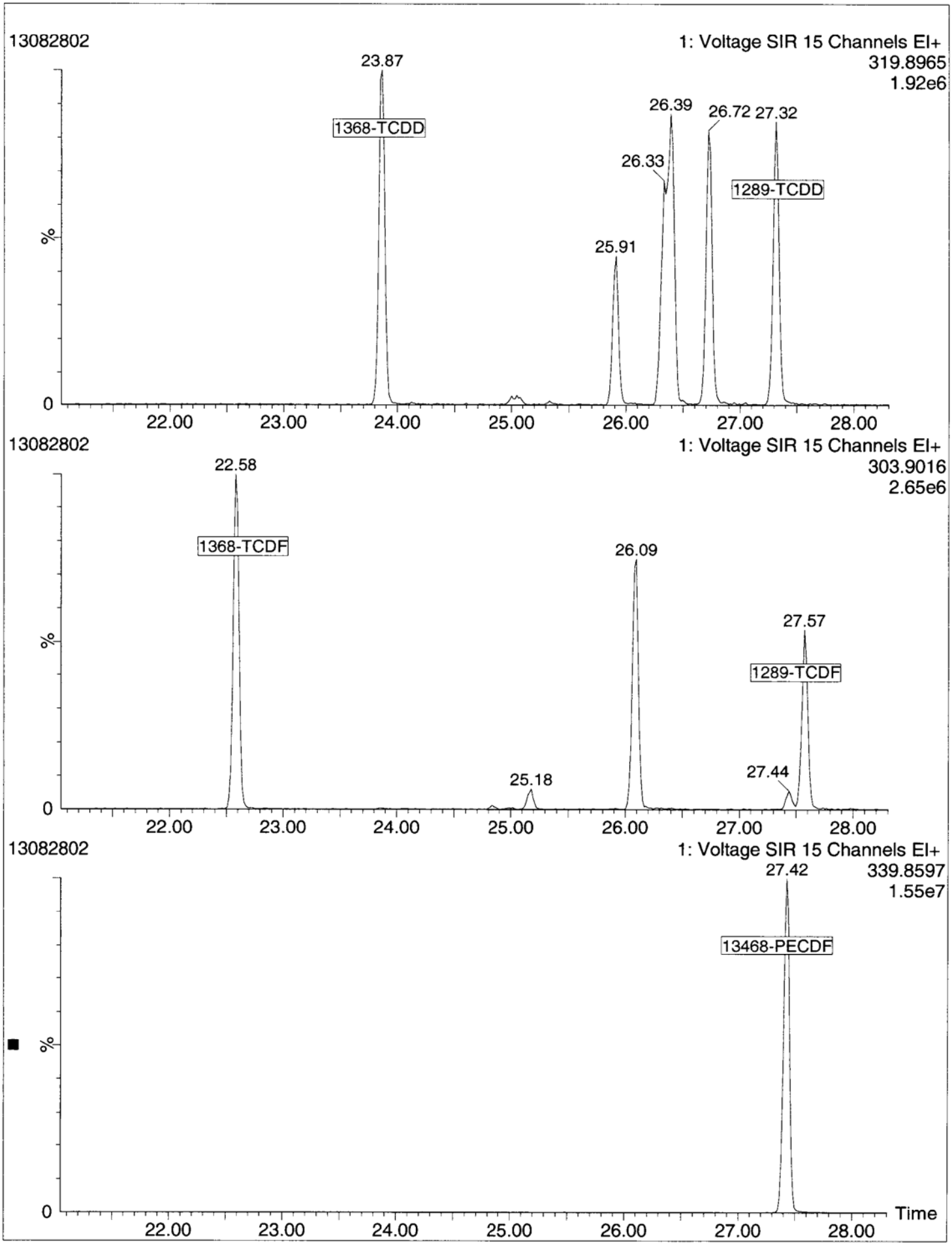


M 516.9697 R 12540

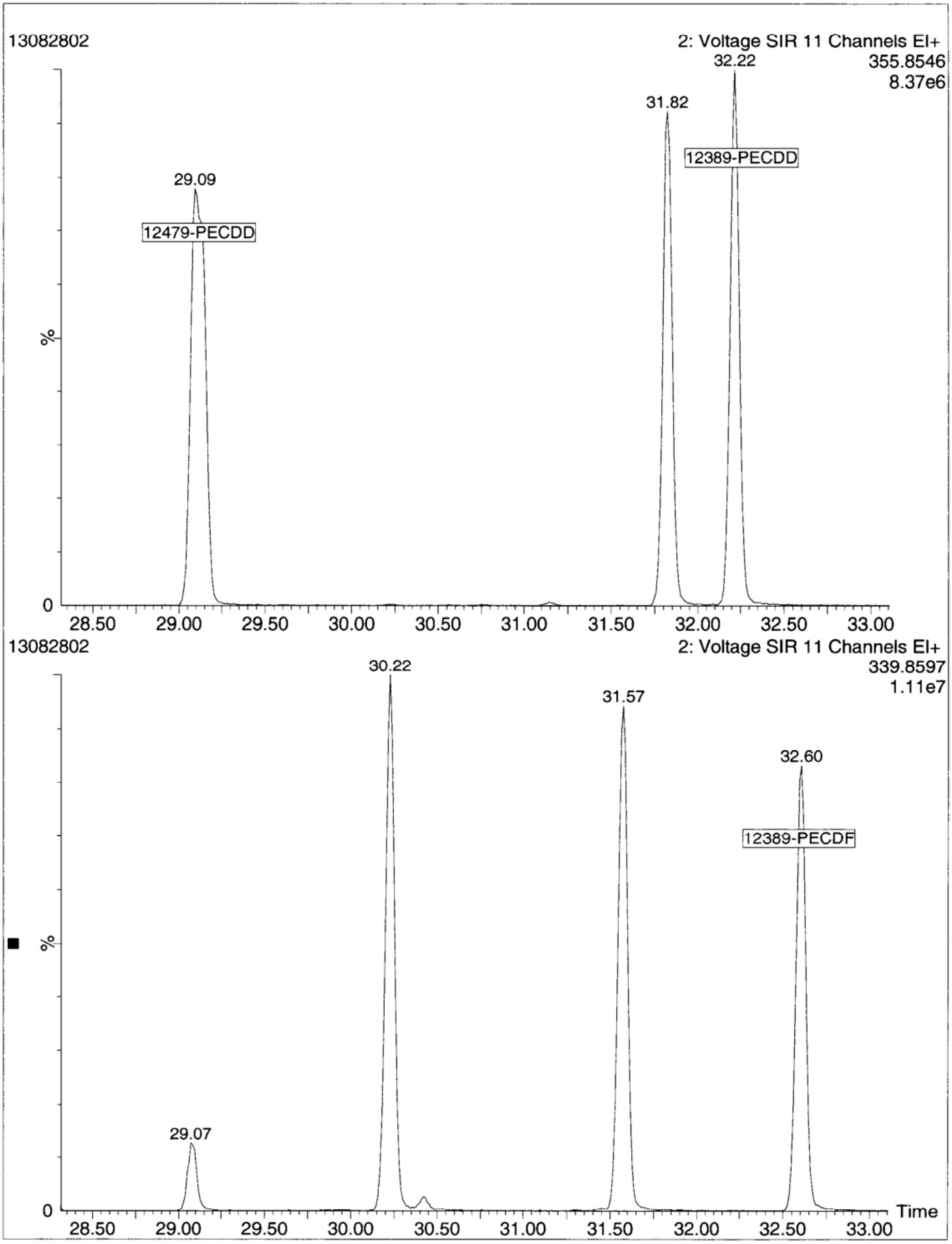


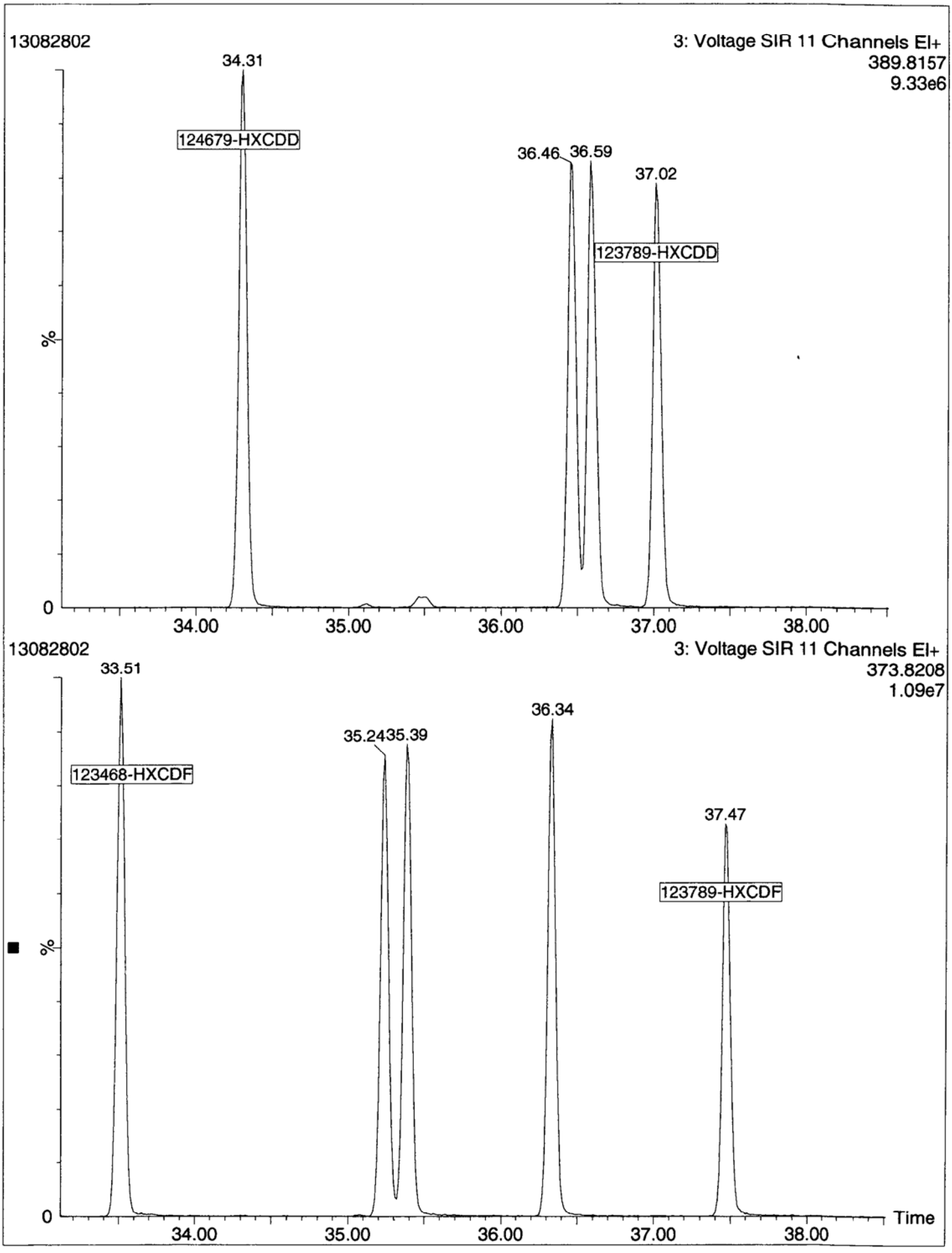

13082803
1: Voltage SIR 15 Channels EI+
319.8965
1.49e6
26.83
26.71
2378-TCDD
10/88 = 11.4%
88
10
%
0
25.00
25.50
26.00
26.50
27.00
27.50

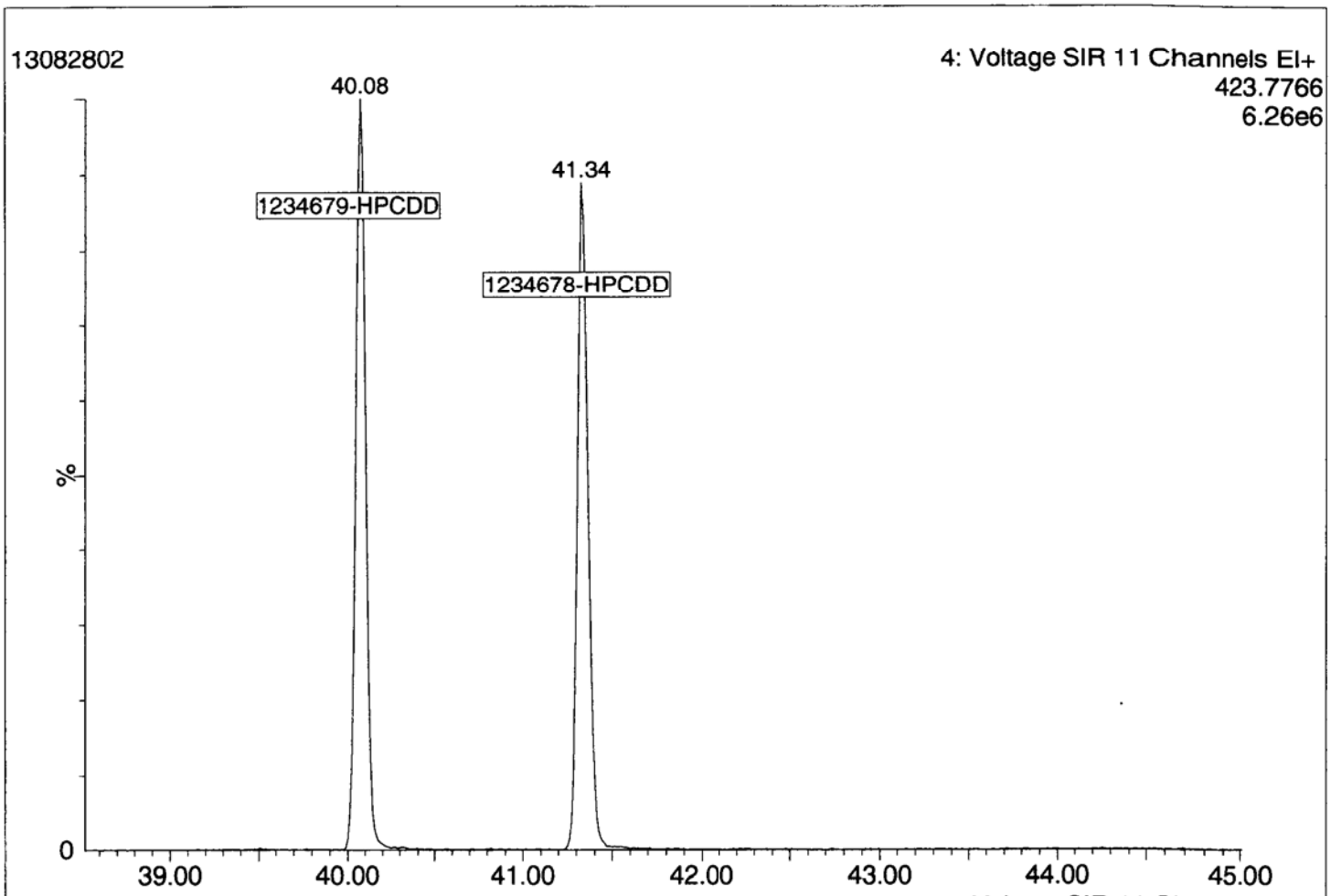

13082803
1: Voltage SIR 15 Channels EI+
303.9016
1.64e6
25.88
26.20
26.06
2378-TCDF
93
13/93 = 14.0%
13
%
0
Time
25.00
25.50
26.00
26.50
27.00
27.50

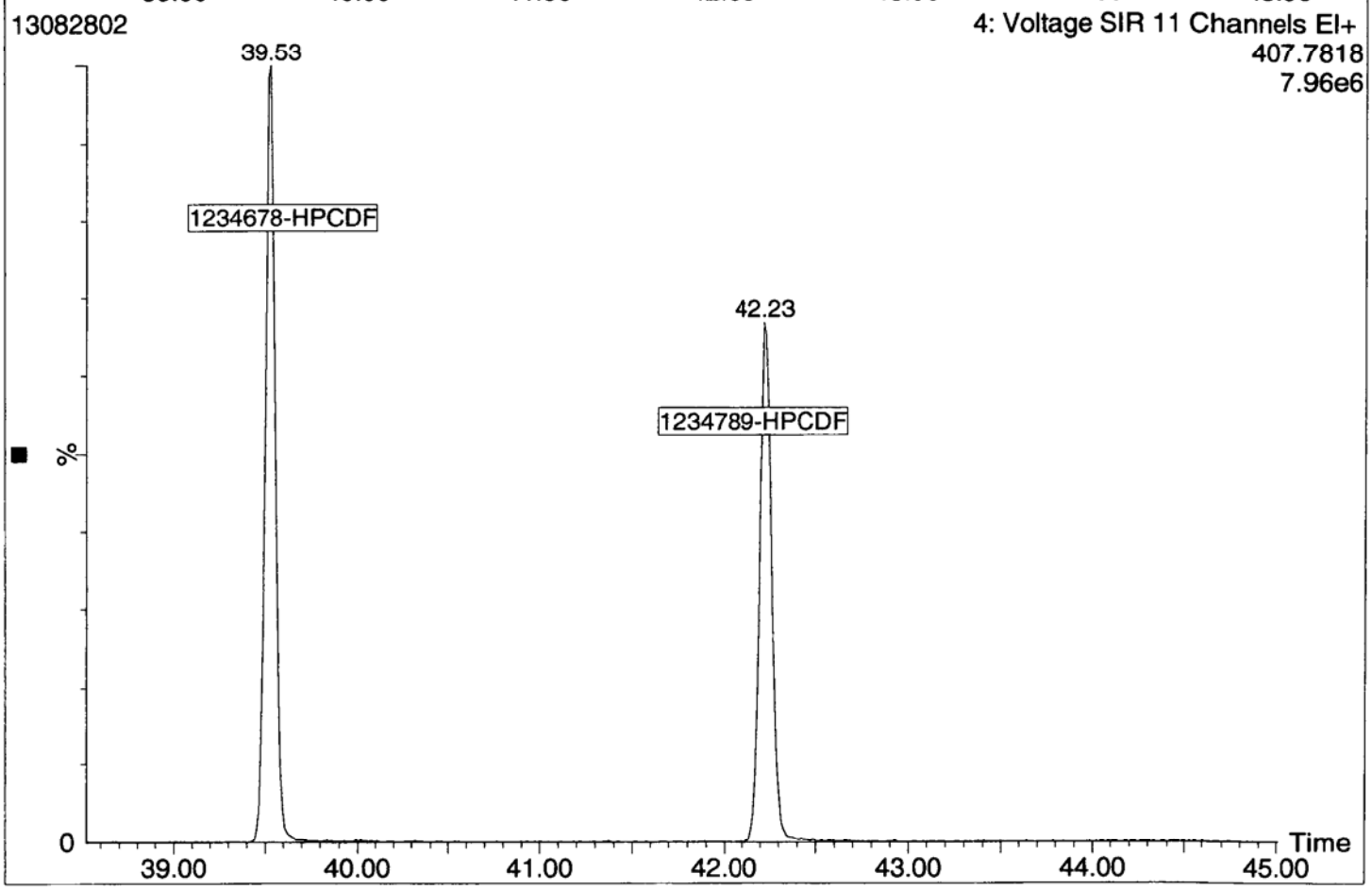

13082802
1: Voltage SIR 15 Channels EI+
319.8965
1.92e6
23.87
1368-TCDD
26.39
26.72
27.32
26.33
1289-TCDD
25.91
%
0
22.00
23.00
24.00
25.00
26.00
27.00
28.00
13082802
1: Voltage SIR 15 Channels EI+
303.9016
2.65e6
22.58
1368-TCDF
26.09
27.57
1289-TCDF
25.18
27.44
%
0
22.00
23.00
24.00
25.00
26.00
27.00
28.00
13082802
1: Voltage SIR 15 Channels EI+
27.42
339.8597
1.55e7
13468-PECDF
%
0
Time
22.00
23.00
24.00
25.00
26.00
27.00
28.00

XB89 : 01037


13082802
2: Voltage SIR 11 Channels EI+
355.8546
8.37e6
32.22
31.82
12389-PECDD
29.09
12479-PECDD
%
0
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50
33.00
13082802
2: Voltage SIR 11 Channels EI+
339.8597
1.11e7
30.22
31.57
32.60
12389-PECDF
29.07
%
0
Time
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50
33.00


13082802
3: Voltage SIR 11 Channels EI+
389.8157
9.33e6
34.31
124679-HXCDD
36.46
36.59
37.02
123789-HXCDD
%
0
34.00
35.00
36.00
37.00
38.00
13082802
3: Voltage SIR 11 Channels EI+
373.8208
1.09e7
33.51
123468-HXCDF
35.24
35.39
36.34
37.47
123789-HXCDF
%
0
Time
34.00
35.00
36.00
37.00
38.00


13082802
4: Voltage SIR 11 Channels EI+
423.7766
6.26e6
40.08
1234679-HPCDD
41.34
1234678-HPCDD
%
0
39.00
40.00
41.00
42.00
43.00
44.00
45.00


13082802
4: Voltage SIR 11 Channels EI+
407.7818
7.96e6
39.53
1234678-HPCDF
42.23
1234789-HPCDF
%
0
Time
39.00
40.00
41.00
42.00
43.00
44.00
45.00

Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1 Area	Ion2 Area	Ratio	Theor.	Ratio %Dev	S/N	EMPC?	Conc.	%Recovery
2378-TCDF	26.093	1.001	1.21e5	1.68e5	0.867	0.720	0.770	1246.1	NO	10.288	10.288
12378-PeCDF	30.223	1.001	6.63e5	4.46e5	0.875	1.487	1.550	4413.6	NO	50.527	50.527
23478-PeCDF	31.571	1.001	6.51e5	4.48e5	0.880	1.452	1.550	4242.2	NO	51.281	51.281
123478-HxCDF	35.243	1.001	5.75e5	4.88e5	1.048	1.178	1.240	3014.0	NO	49.425	49.425
234678-HxCDF	36.339	1.001	6.07e5	5.10e5	1.088	1.190	1.240	3219.0	NO	49.937	49.937
123678-HxCDF	35.385	1.001	6.01e5	5.07e5	1.025	1.184	1.240	3146.7	NO	49.699	49.699
123789-HxCDF	37.468	1.000	4.91e5	4.14e5	0.959	1.187	1.240	2585.1	NO	50.063	50.063
1234678-HpCDF	39.529	1.001	5.10e5	5.18e5	1.215	0.985	1.050	2135.0	NO	49.308	49.308
1234789-HpCDF	42.225	1.000	3.99e5	4.07e5	1.200	0.979	1.050	1425.6	NO	50.913	50.913
OCDF	47.522	1.006	6.17e5	7.12e5	1.064	0.866	0.890	3880.0	NO	100.700	100.700
2378-TCDD	26.721	1.001	9.60e4	1.24e5	0.994	0.777	0.770	848.6	NO	10.132	10.132
12378-PeCDD	31.823	1.001	4.77e5	3.06e5	0.976	1.559	1.550	2417.6	NO	48.249	48.249
123478-HxCDD	36.471	1.001	4.80e5	3.87e5	0.967	1.238	1.240	3342.2	NO	49.514	49.514
123678-HxCDD	36.591	1.000	4.77e5	3.81e5	0.902	1.252	1.240	3325.0	NO	50.093	50.093
123789-HxCDD	37.019	1.012	4.63e5	3.81e5	0.914	1.218	1.240	3205.8	NO	49.766	49.766
1234678-HpCDD	41.337	1.000	3.76e5	3.61e5	0.999	1.041	1.050	2582.3	NO	49.681	49.681
OCDD	47.253	1.001	5.66e5	6.40e5	0.979	0.885	0.890	3295.9	NO	99.376	99.376
13C-2378-TCDF	26.063	1.007	1.42e6	1.82e6	1.419	0.780	0.770	6591.3	NO		95.957
13C-12378-PeCDF	30.201	1.167	1.53e6	9.77e5	1.158	1.568	1.550	6542.5	NO		91.131
13C-23478-PeCDF	31.549	1.219	1.49e6	9.46e5	1.127	1.575	1.550	6459.7	NO		90.997
13C-123478-HxCDF	35.221	0.952	7.02e5	1.35e6	1.206	0.519	0.510	4446.4	NO		95.763
13C-123678-HxCDF	35.363	0.956	7.53e5	1.42e6	1.266	0.529	0.510	4662.6	NO		96.719
13C-234678-HxCDF	36.317	0.981	7.04e5	1.35e6	1.155	0.522	0.510	4536.6	NO		100.075
13C-123789-HxCDF	37.457	1.012	6.39e5	1.25e6	1.121	0.512	0.510	4132.2	NO		94.648
13C-1234678-HpCDF	39.507	1.068	5.27e5	1.19e6	1.040	0.443	0.440	4223.7	NO		92.932
13C-1234789-HpCDF	42.214	1.141	4.10e5	9.10e5	0.789	0.451	0.440	2746.1	NO		94.111
13C-1234-TCDD	25.884	0.000	1.05e6	1.33e6	1.000	0.791	0.770	4350.7	NO		100.000
13C-2378-TCDD	26.706	1.032	9.61e5	1.22e6	0.962	0.788	0.770	3986.7	NO		95.384
13C-12378-PeCDD	31.801	1.229	1.01e6	6.50e5	0.746	1.559	1.550	9502.2	NO		93.752
13C-123478-HxCDD	36.449	0.985	1.01e6	8.02e5	1.003	1.258	1.240	5403.0	NO		101.589
13C-123678-HxCDD	36.580	0.988	1.05e6	8.47e5	1.052	1.241	1.240	5551.2	NO		101.589
13C-1234678-HpCDD	41.326	1.117	7.60e5	7.24e5	0.880	1.050	1.050	5125.4	NO		94.947
13C-OCDD	47.226	1.276	1.16e6	1.32e6	0.775	0.874	0.890	7476.6	NO		180.140

Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
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ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

Name											
13C-123789-HxCDD	37.008	0.000	9.79e5	7.98e5	1.000	1.227	1.240	5030.9	NO		100.000
Total-tetrafurans			3.81e5		0.867						32.386
Total-penta1			9.30e5								67.425
Total-pentafurans			2.01e6		0.877						155.186
Total-hexafurans			2.92e6		1.030						256.303
Total-heptafurans			9.10e5		1.207						100.470
Total-Furans			7.76e6		1.022						712.469
Total-tetradioxins			5.42e5		0.994						57.285
Total-pentadioxins			1.64e6		0.976						165.420
Total-hexadioxins			2.01e6		0.928						212.030
Total-heptadioxins			7.95e5		0.999						105.628
Total-Dioxins			5.55e6		0.962						639.740
Total-TEQ			1.33e7								1352.209
37CL-2378-TCDD	26.721	1.032	2.40e5		1.091			1848.7			9.245
FUNCTION1 PFK			1.45e7								
FUNCTION2 PFK			2.78e5								0.000
FUNCTION3 PFK			1.10e5								0.000
FUNCTION4 PFK			5.71e5								
FUNCTION5 PFK			0.00e0								
FUNCTION1 HXCDPE			2.83e2								0.000
FUNCTION1 HPCDPE			1.20e3								0.000
FUNCTION2 HPCDPE			1.49e3								0.000
FUNCTION3 OCDPE			0.00e0								
FUNCTION4 NCDPE			4.23e2								0.000
FUNCTION5 DCDPE			7.01e1								0.000

Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
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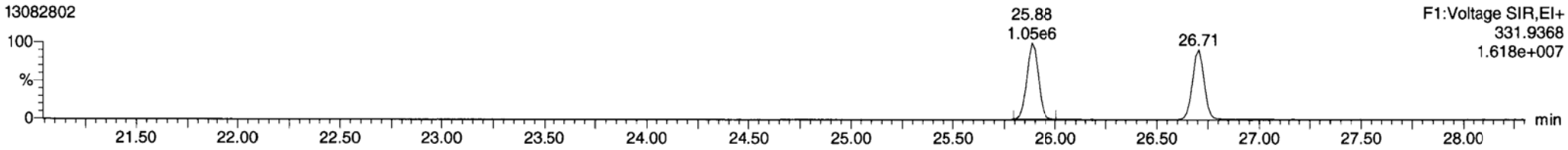
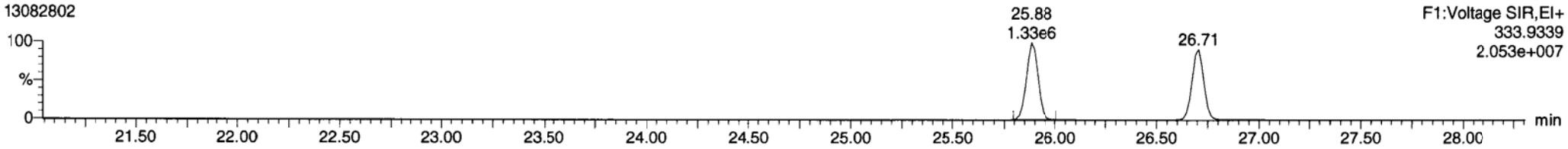
Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

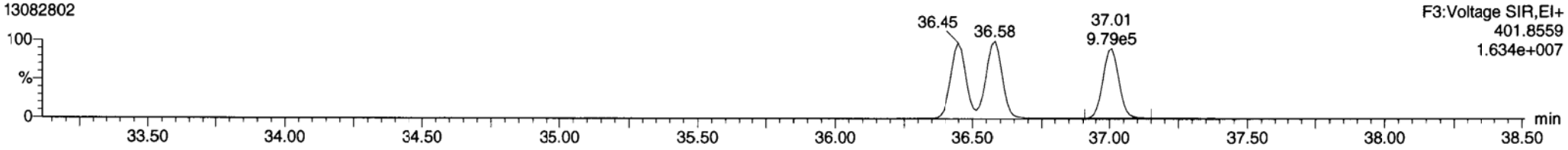
13C-1234-TCDD



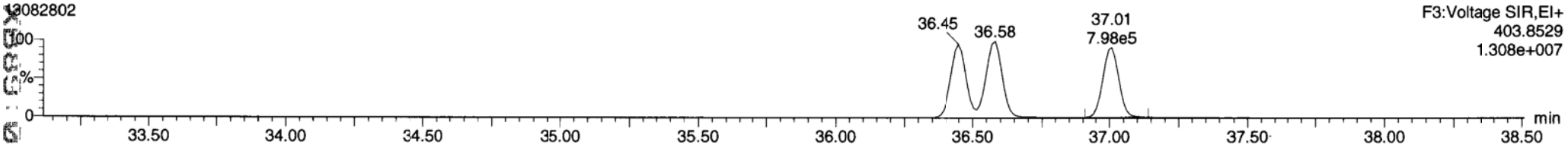
13C-1234-TCDD



13C-123789-HxCDD



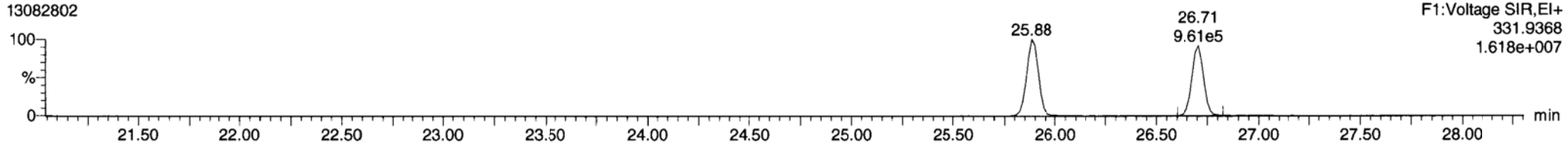
13C-123789-HxCDD



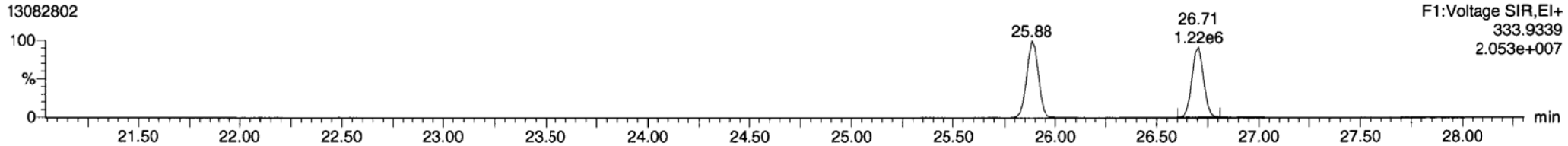
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

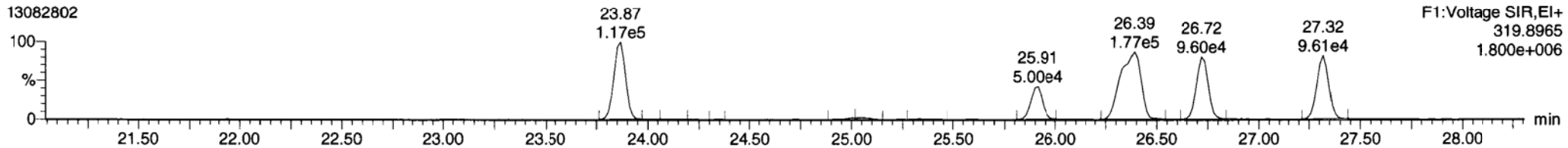
13C-2378-TCDD



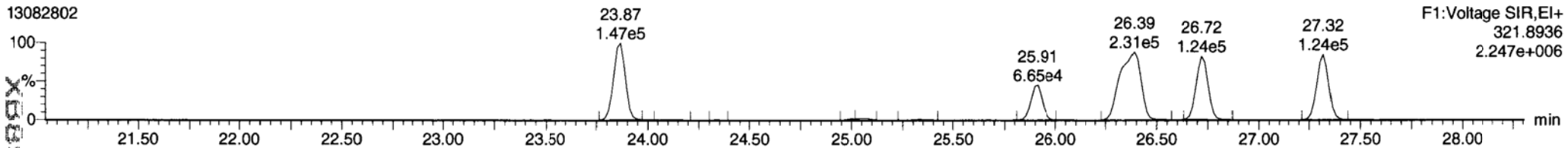
13C-2378-TCDD



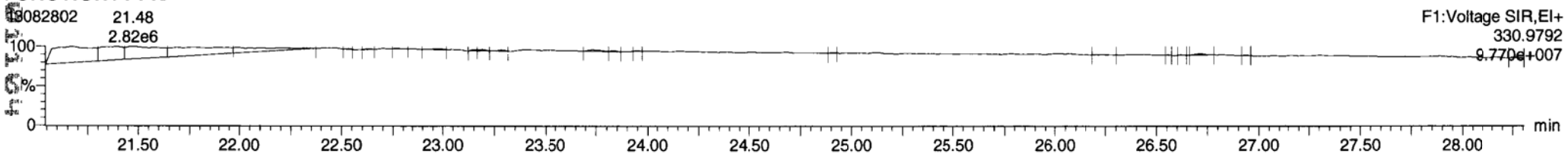
Total-tetradioxins



Total-tetradioxins



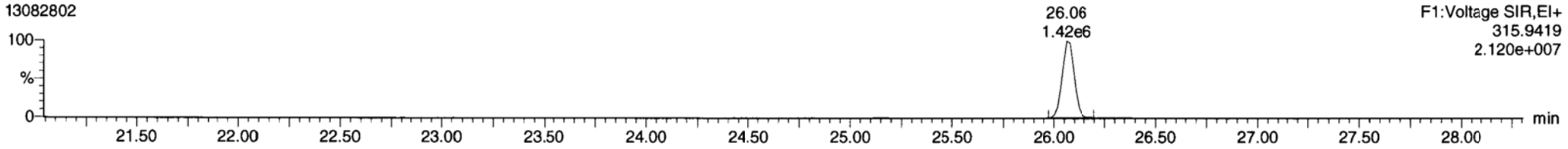
FUNCTION1 PFK



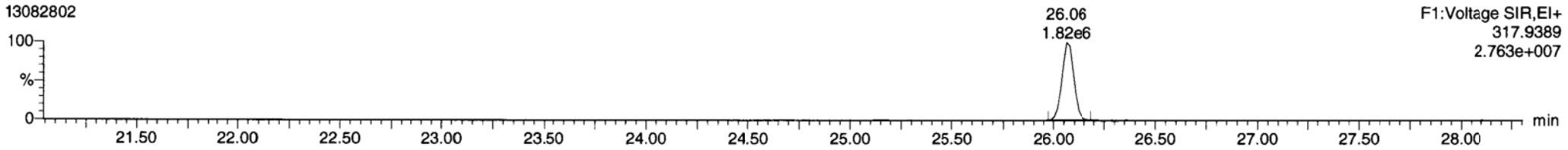
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

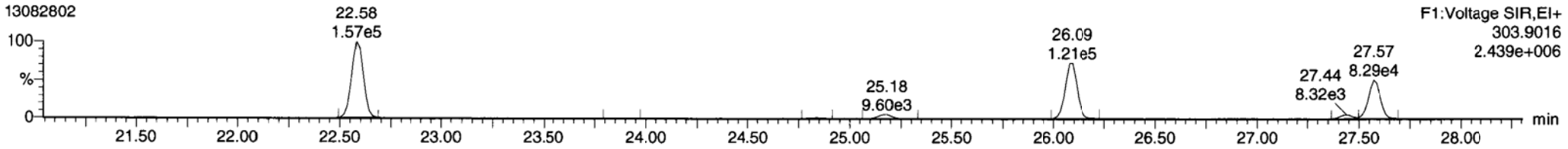
13C-2378-TCDF



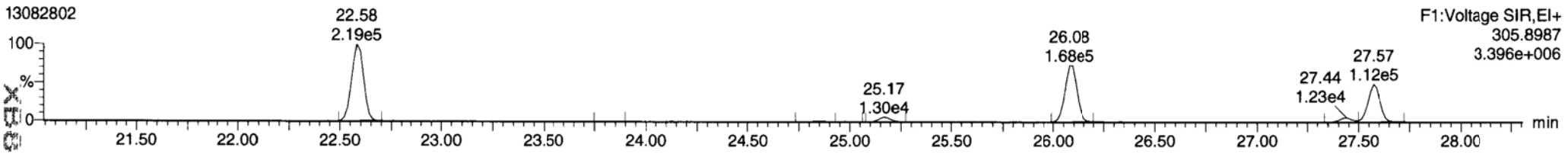
13C-2378-TCDF



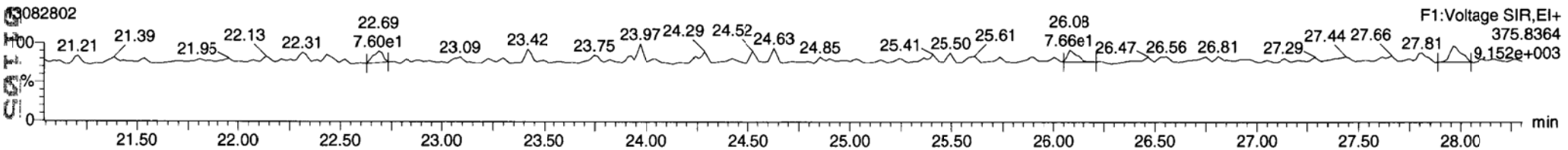
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE



Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
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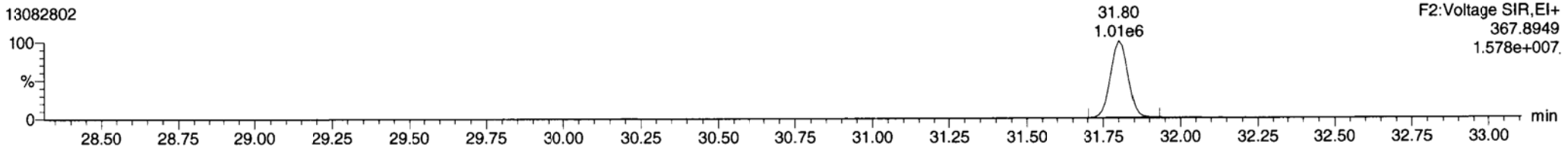
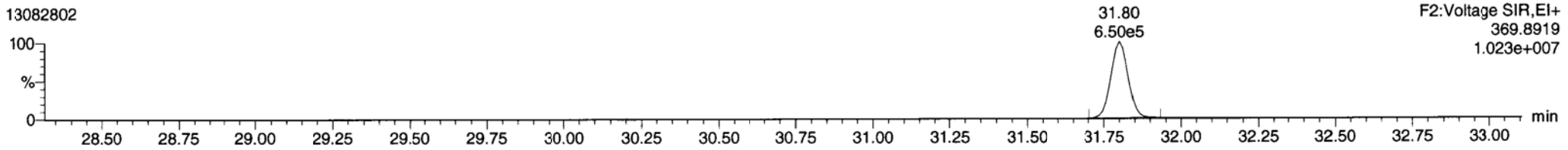
ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

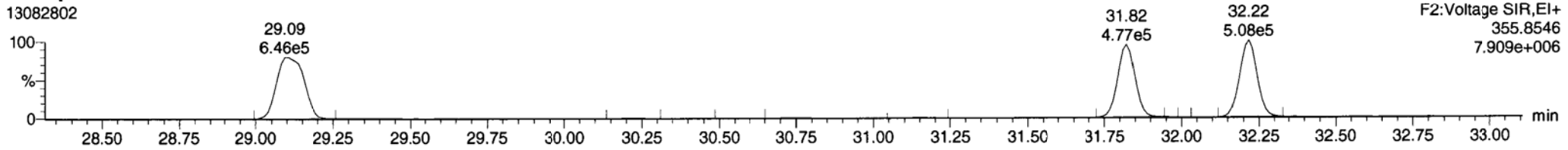
13C-12378-PeCDD



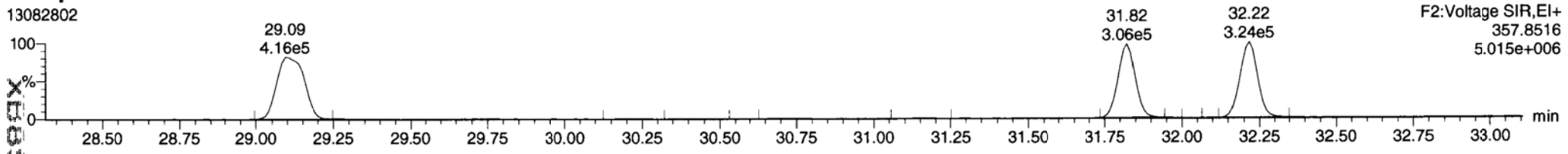
13C-12378-PeCDD



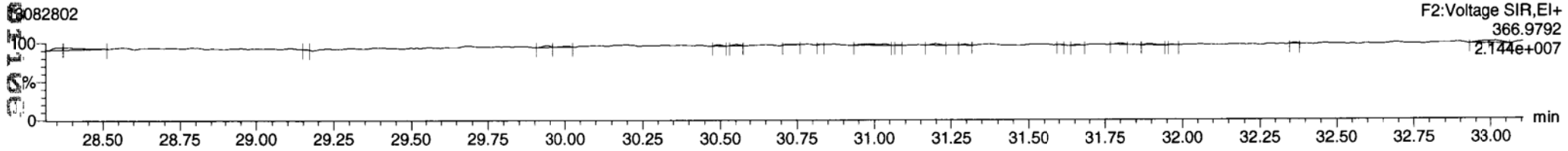
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
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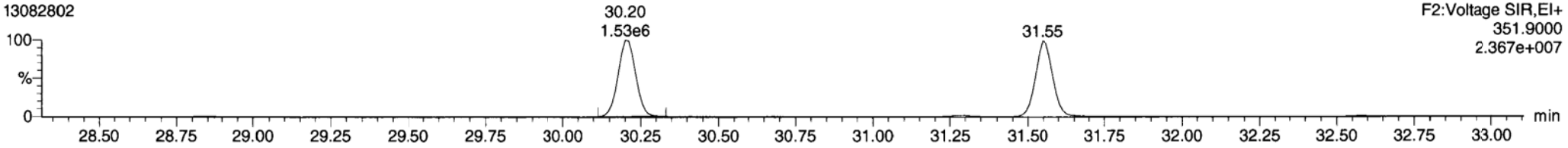
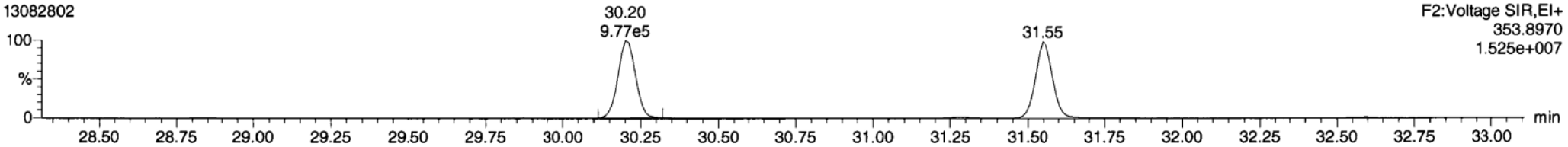
ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

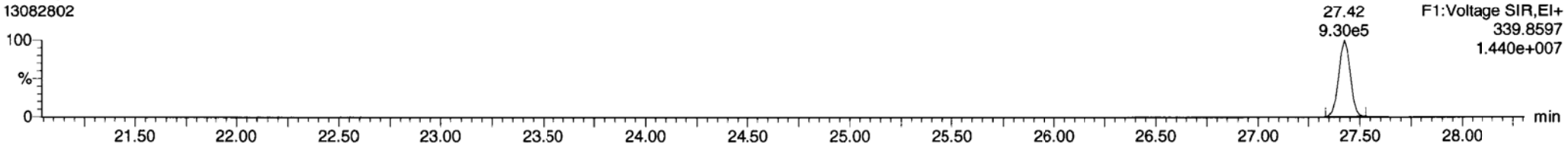
13C-12378-PeCDF



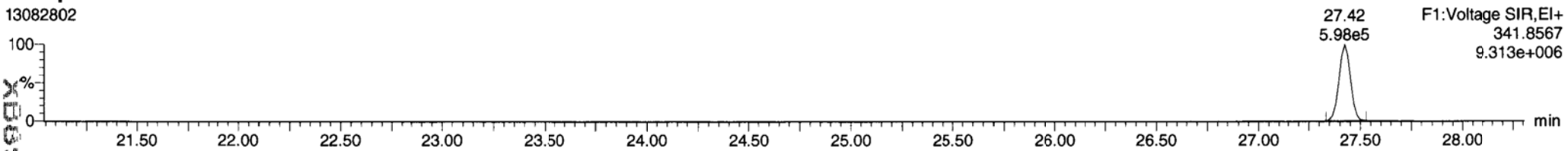
13C-12378-PeCDF



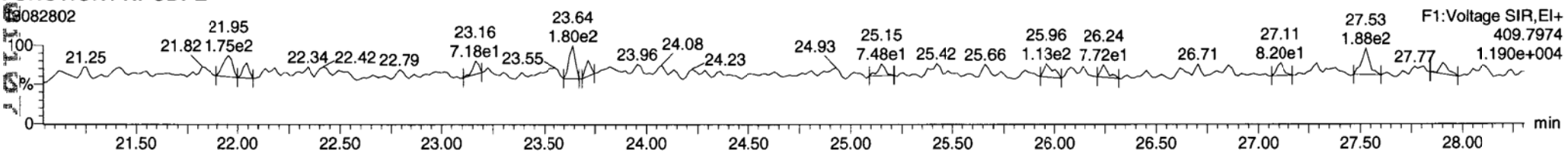
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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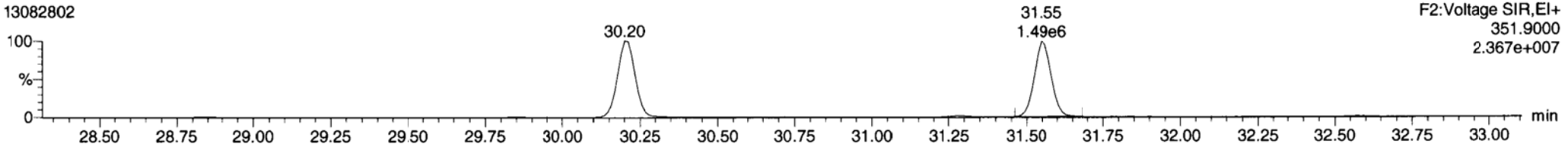
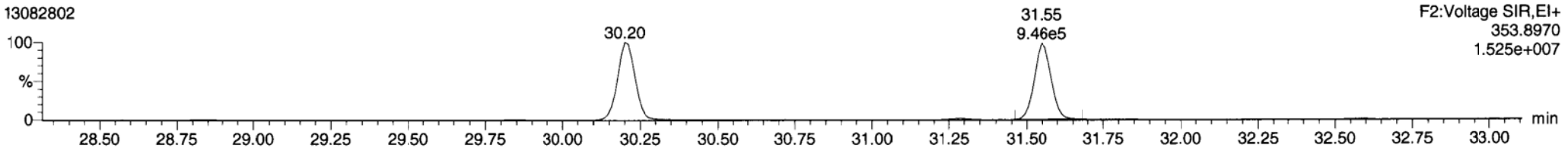
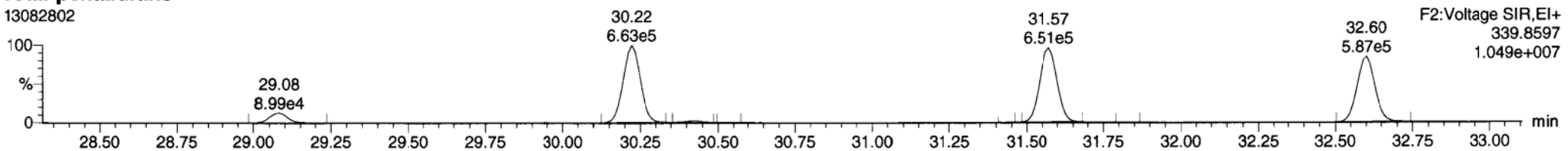
13C-23478-PeCDF



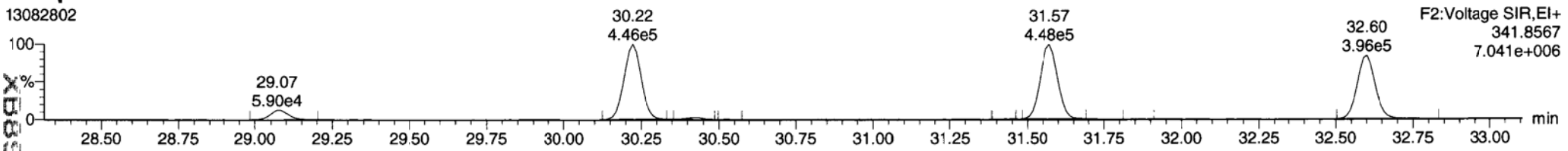
13C-23478-PeCDF



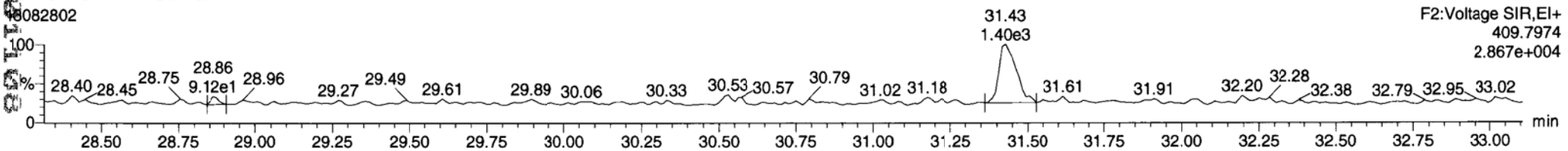
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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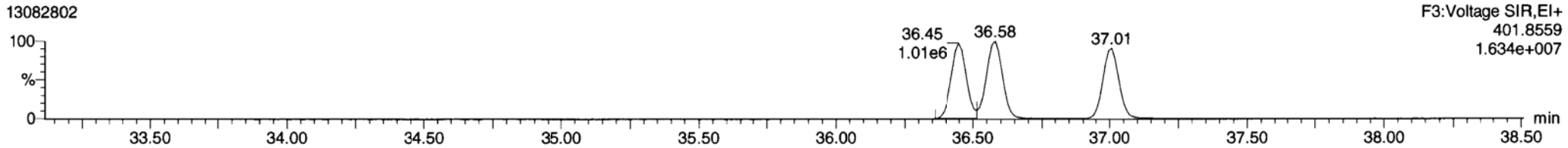
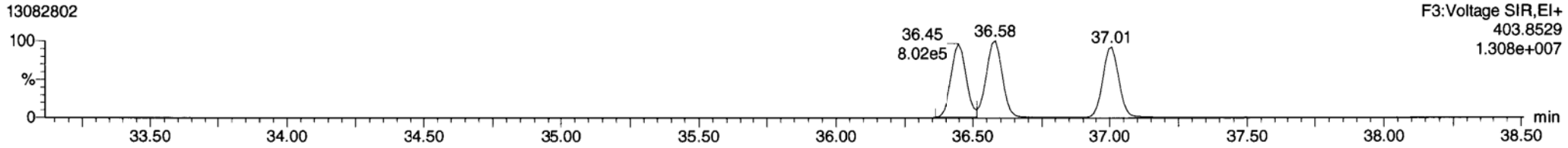
ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

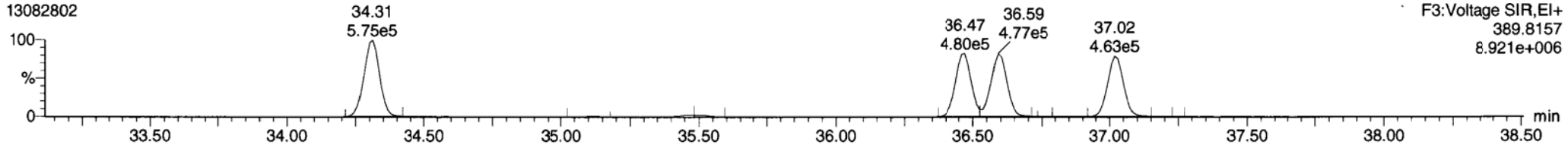
13C-123478-HxCDD



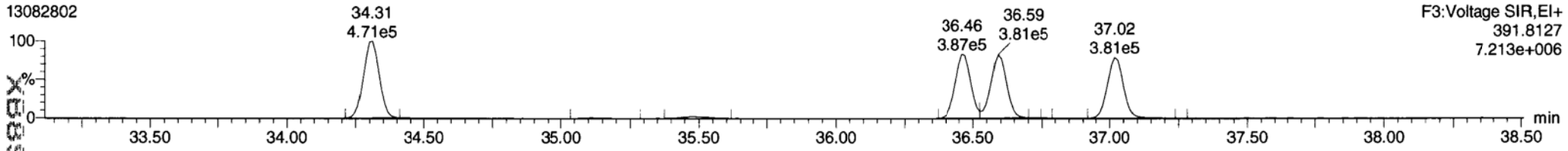
13C-123478-HxCDD



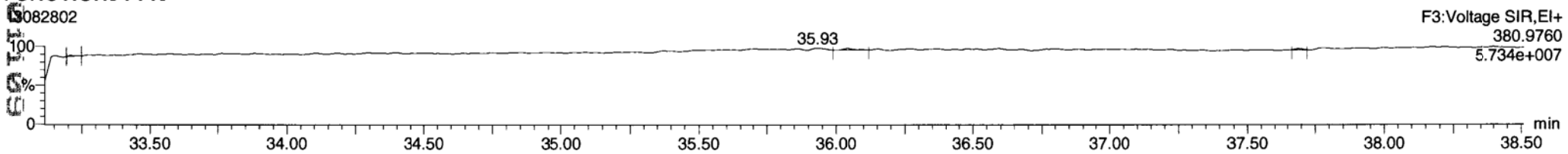
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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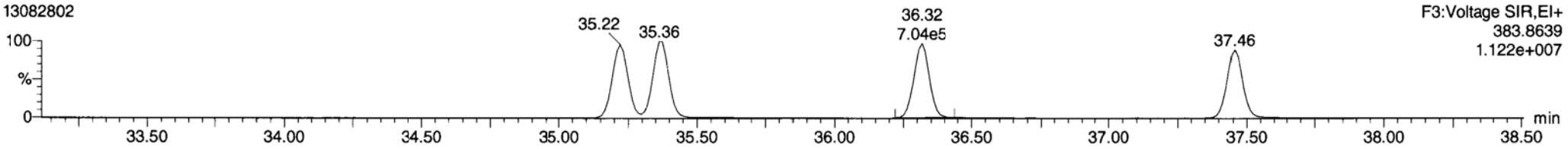
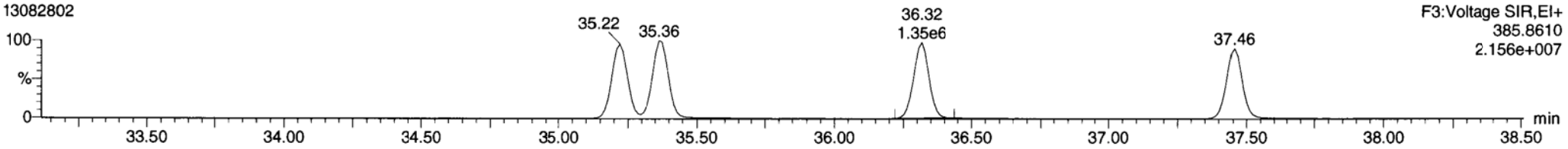
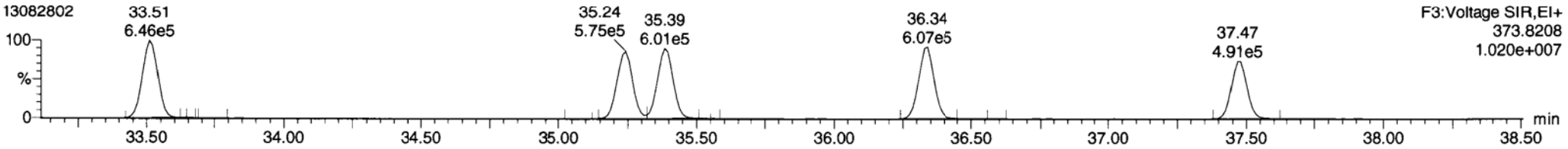
13C-234678-HxCDF



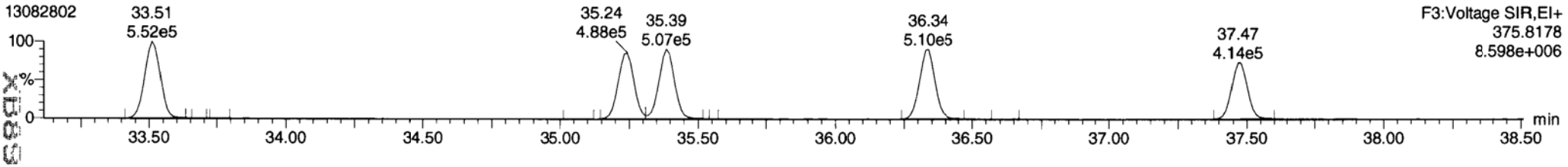
13C-234678-HxCDF



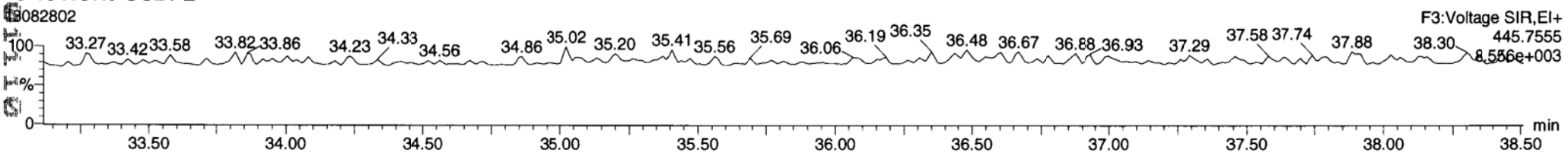
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
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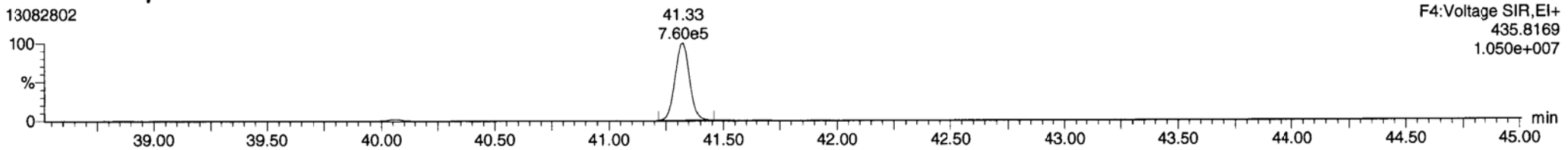
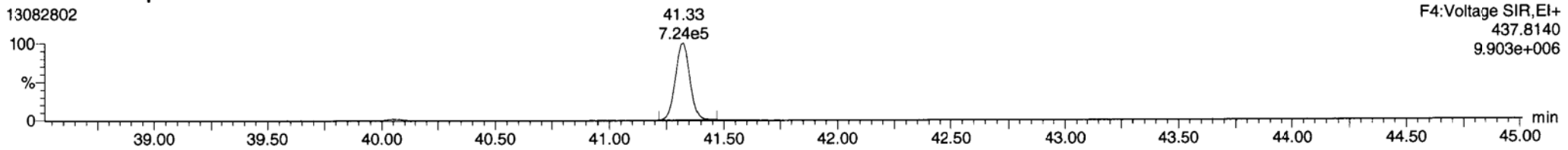
ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

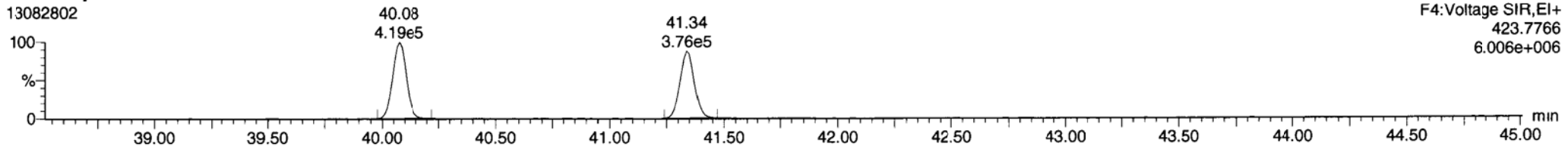
13C-1234678-HpCDD



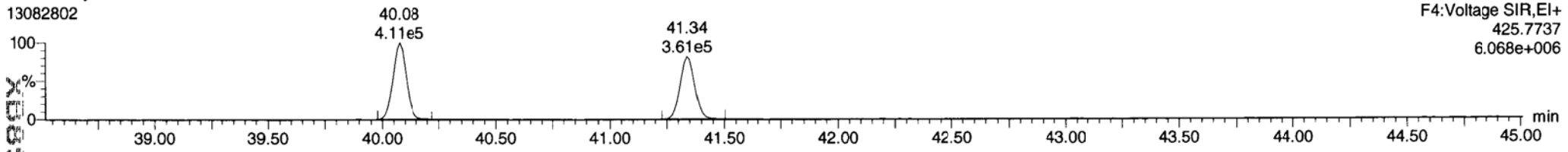
13C-1234678-HpCDD



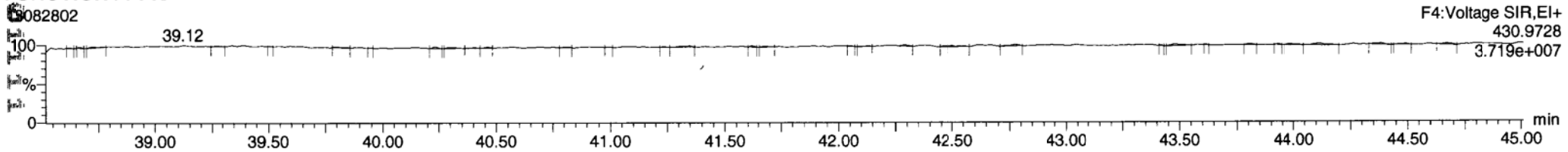
Total-heptadioxins



Total-heptadioxins



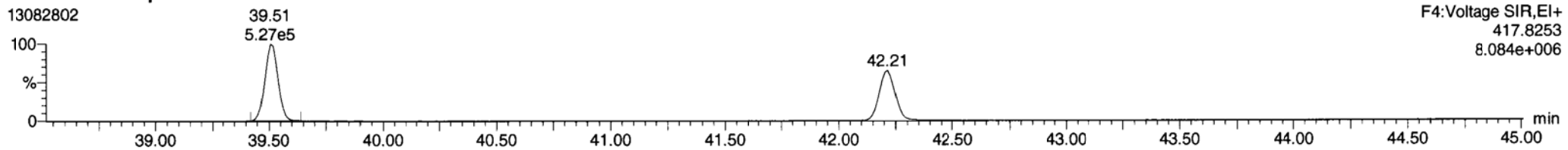
FUNCTION4 PFK



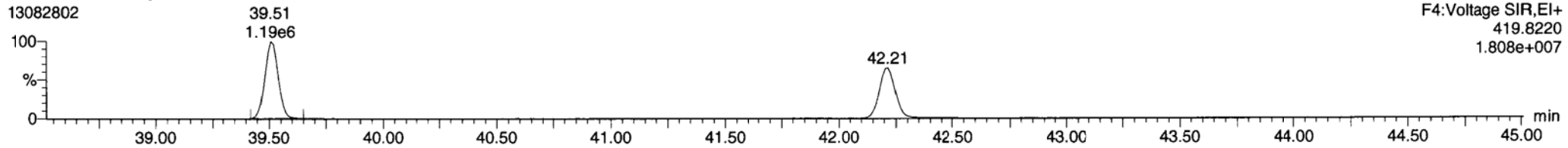
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

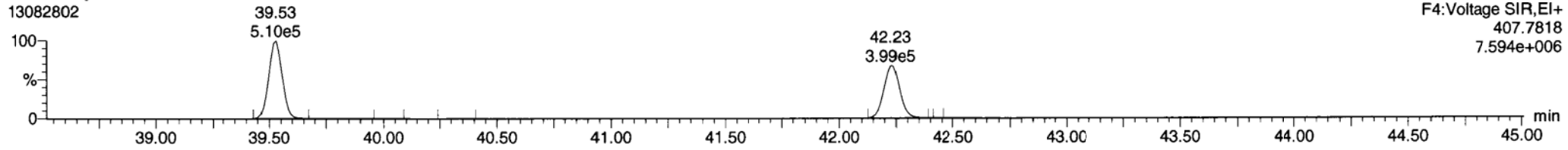
13C-1234678-HpCDF



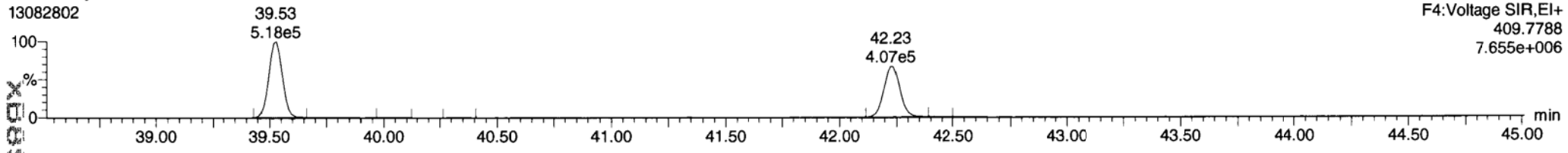
13C-1234678-HpCDF



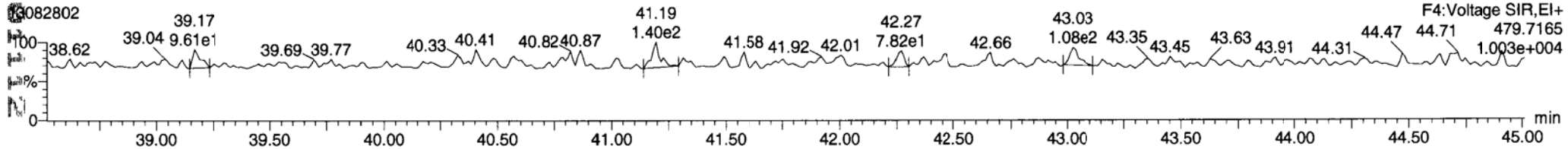
Total-heptafurans



Total-heptafurans



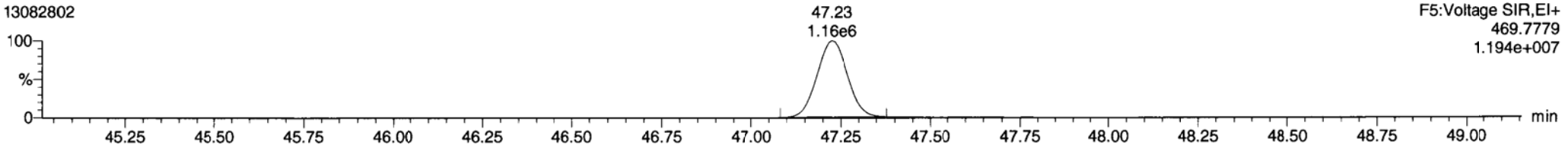
FUNCTION4 NCDPE



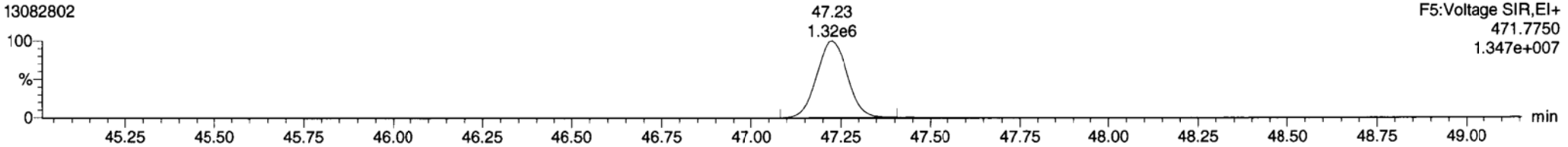
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

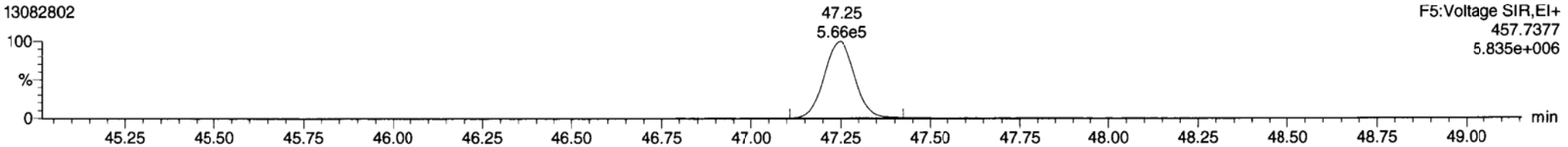
13C-OCDD



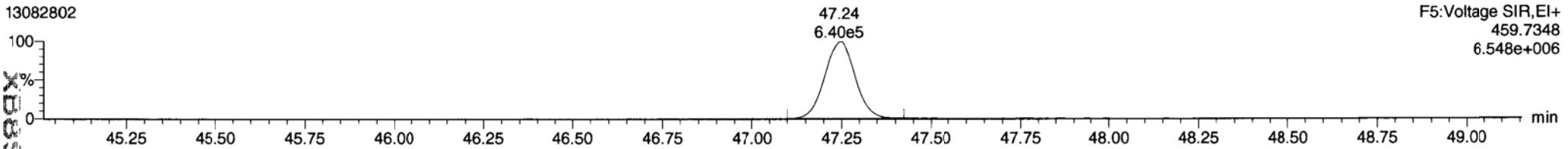
13C-OCDD



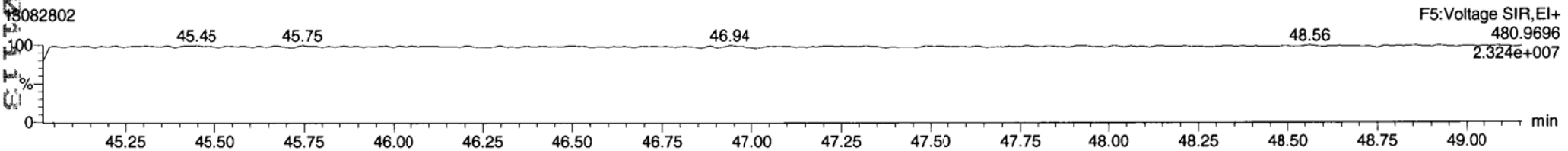
OCDD



OCDD



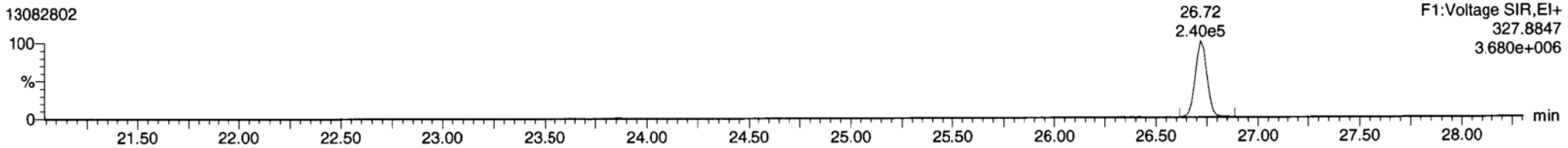
FUNCTION5 PFK



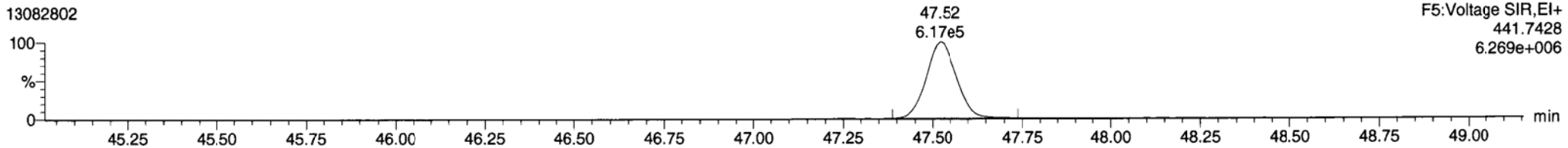
Quantify Sample Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828OPEN.qld
Last Altered: Wednesday, August 28, 2013 12:06:08 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 12:07:46 Pacific Daylight Time

ID: CS3, Name: 13082802, Date: 28-Aug-2013, Time: 11:15:18, Conditions: AUTOSPEC01, User: pk

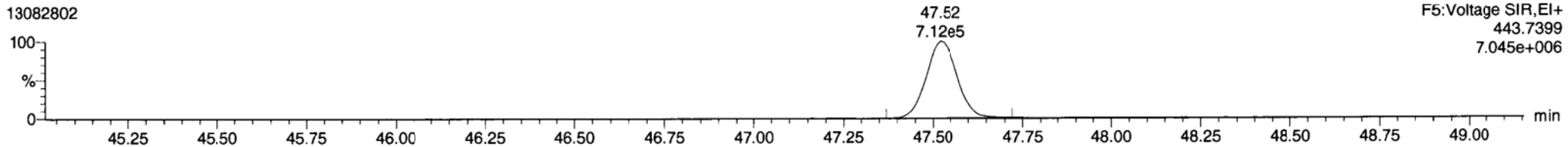
37CL-2378-TCDD



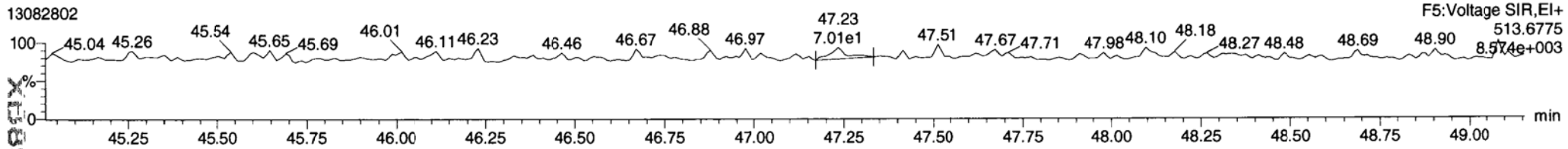
OCDF



OCDF



FUNCTION5 DCDPE



ANALYTICAL RESOURCES
CDD/CDF EDL DATA
HIGH RESOLUTION

Lab.Sample ID: XB89MBS
Lab.File ID: 13082804
Date Analysed: 28-Aug-13

Target Analytes	Selected Ions	Peak RT	Conc	EMPC	EDL
2378-TCDD	320/322	0.00			0.015
12378-PeCDD	356/358	0.00			0.027
123478-HxCDD	390/392	0.00			0.031
123678-HxCDD	390/392	36.60	0.0361	0.0170	
123789-HxCDD	390/392	0.00			0.033
1234678-HpCDD	424/426	41.34	0.423		
OCDD	458/460	47.24	2.23		
2378-TCDF	304/306	0.00			0.011
12378-PeCDF	340/342	30.23	0.0314	0.0290	
23478-PeCDF	340/342	0.00			0.021
123478-HxCDF	374/376	0.00			0.017
234678-HxCDF	374/376	0.00			0.018
123678-HxCDF	374/376	0.00			0.016
123789-HxCDF	374/376	0.00			0.021
1234678-HpCDF	408/410	39.52	0.0233		
1234789-HpCDF	408/410	42.23	0.0221	0.0200	
OCDF	442/444	0.00			0.041

Note: EDLs are on column values. Final EDL values are corrected for final volume of the extract (normally 20ul) and amount of sample extracted.

Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

MK 8/28/13

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

Name															pg
2378-TCDF					0.867		0.770		760	983					
12378-PeCDF	30.234	1.001	4.01e2	3.21e2	0.875	1.250	1.550	4.9	1241	1363	6.07e3	8.03e3	YES	0.029	0.031
23478-PeCDF					0.880		1.550		1241	1363					
123478-HxCDF					1.048		1.240		908	939					
234678-HxCDF					1.088		1.240		908	939					
123678-HxCDF					1.025		1.240		908	939					
123789-HxCDF					0.959		1.240		908	939					
1234678-HpCDF	39.518	1.000	1.64e2	1.82e2	1.215	0.902	1.050	3.6	884	863	3.16e3	5.63e3	NO	0.023	0.023
1234789-HpCDF	42.226	1.000	1.45e2	1.13e2	1.200	1.279	1.050	5.0	884	863	4.40e3	2.52e3	YES	0.020	0.022
OCDF					1.064		0.890		604	887					
2378-TCDD					0.994		0.770		786	864					
12378-PeCDD					0.976		1.550		1563	1011					
123478-HxCDD					0.967		1.240		1780	951					
123678-HxCDD	36.603	1.001	3.75e2	1.03e2	0.902	3.637	1.240	5.1	1780	951	9.15e3	2.88e3	YES	0.017	0.036
123789-HxCDD					0.914		1.240		1780	951					
1234678-HpCDD	41.338	1.001	2.55e3	2.36e3	0.999	1.081	1.050	46.5	824	822	3.83e4	3.14e4	NO	0.423	0.423
OCDD	47.235	1.000	8.27e3	9.75e3	0.979	0.848	0.890	107.7	740	589	7.97e4	9.59e4	NO	2.226	2.226
13C-2378-TCDF	26.063	1.007	1.37e6	1.78e6	1.419	0.773	0.770	8755.5	2359	1860	2.07e7	2.70e7	NO		100.744
13C-12378-PeCDF	30.201	1.167	1.61e6	1.03e6	1.158	1.563	1.550	5033.7	4925	3374	2.48e7	1.60e7	NO		103.075
13C-23478-PeCDF	31.549	1.219	1.37e6	8.72e5	1.127	1.567	1.550	4326.2	4925	3374	2.13e7	1.37e7	NO		90.088
13C-123478-HxCDF	35.221	0.952	5.63e5	1.09e6	1.206	0.514	0.510	4065.3	2142	3863	8.71e6	1.70e7	NO		90.573
13C-123678-HxCDF	35.364	0.956	6.50e5	1.26e6	1.266	0.515	0.510	4583.8	2142	3863	9.82e6	1.93e7	NO		99.585
13C-234678-HxCDF	36.318	0.981	5.26e5	1.01e6	1.155	0.521	0.510	3806.8	2142	3863	8.16e6	1.56e7	NO		87.680
13C-123789-HxCDF	37.457	1.012	4.99e5	9.67e5	1.121	0.516	0.510	3639.4	2142	3863	7.80e6	1.53e7	NO		86.271
13C-1234678-HpCDF	39.507	1.068	3.82e5	8.44e5	1.040	0.452	0.440	3320.2	1721	2267	5.71e6	1.28e7	NO		77.763
13C-1234789-HpCDF	42.215	1.141	2.97e5	6.76e5	0.789	0.439	0.440	2228.4	1721	2267	3.83e6	8.65e6	NO		81.243
13C-1234-TCDD	25.884	0.000	9.70e5	1.24e6	1.000	0.785	0.770	5437.7	2762	1675	1.50e7	1.91e7	NO		100.000
13C-2378-TCDD	26.691	1.031	8.23e5	1.05e6	0.962	0.786	0.770	4422.9	2762	1675	1.22e7	1.56e7	NO		88.108
13C-12378-PeCDD	31.802	1.229	9.20e5	5.87e5	0.746	1.569	1.550	8291.8	1769	1476	1.47e7	9.34e6	NO		91.543
13C-123478-HxCDD	36.449	0.985	8.06e5	6.41e5	1.003	1.258	1.240	6917.2	1830	2047	1.27e7	9.95e6	NO		95.173
13C-123678-HxCDD	36.581	0.988	8.15e5	6.54e5	1.052	1.245	1.240	6842.2	1830	2047	1.25e7	1.02e7	NO		92.104
13C-1234678-HpCDD	41.316	1.116	5.95e5	5.69e5	0.880	1.046	1.050	4258.6	1938	1892	8.25e6	7.96e6	NO		87.242
13C-OCDD	47.217	1.276	7.79e5	8.74e5	0.775	0.891	0.890	4976.0	1608	1865	8.00e6	8.87e6	NO		140.757

Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Int Area	Area	Ion Ratio	Theor Ratio	Ratio Dev	S/N	Scans 1	Scans 2	Peak Area	Int Flag	Int Flag 2	% Int
13C-123789-HxCDD	37.008	0.000	8.38e5	6.79e5	1.000	1.234	1.240	6875.9	1830	2047	1.26e7	1.01e7	NO	100.000
Total-tetrafurans			0.00e0		0.867				760		0.00e0			
Total-penta1			0.00e0						669		0.00e0			
Total-pentafurans			4.01e2		0.877				1241		6.07e3			0.031
Total-hexafurans			1.12e2		1.030				908		3.45e3			0.015
Total-heptafurans			3.09e2		1.207				884		7.56e3			0.045
Total-Furans			8.99e2		1.022				760		1.88e4			0.096
Total-tetradioxins			2.50e2		0.994				786		4.67e3			0.033
Total-pentadioxins			8.12e2		0.976				1563		1.91e4			0.088
Total-hexadioxins			2.73e3		0.928				1780		5.11e4			0.349
Total-heptadioxins			7.23e3		0.999				824		1.02e5			1.189
Total-Dioxins			1.93e4		0.962				786		2.57e5			3.886
Total-TEQ			2.02e4						786		2.76e5			3.982
37CL-2378-TCDD	26.721	1.032	8.53e5		1.091			7425.0	1749		1.30e7			35.450
FUNCTION1 PFK			1.26e7						1066516		1.51e8			
FUNCTION2 PFK			0.00e0						244071		0.00e0			
FUNCTION3 PFK			1.30e6						300911		1.74e7			0.000
FUNCTION4 PFK			7.18e5						267237		1.84e7			
FUNCTION5 PFK			3.27e5						209503		1.07e7			
FUNCTION1 HXCDPE			1.58e2						468		2.17e3			0.000
FUNCTION1 HPCDPE			9.90e2						884		2.23e4			0.000
FUNCTION2 HPCDPE			2.47e2						952		7.00e3			0.000
FUNCTION3 OCDPE			7.94e1						612		2.86e3			0.000
FUNCTION4 NCDPE			7.78e1						744		1.94e3			0.000
FUNCTION5 DCDPE			0.00e0						295		0.00e0			

XB89.S1171

luantify Totals Report MassLynx 4.1 SCN 714
ataset: P:\DIOXIN8290.PRO\130828QC.qld
ast Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
rinted: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

lethod: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
alibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

): XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

F

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N

P

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N

F

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
2	12378-PeCDF	339.8597	30.23	722.050	0.875	0.031	0.029	1.25	1.55	YES	4.9

IF

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
38	Total-hexafurans	373.8208	33.51	248.746	1.030	0.015		0.81	1.24	YES	3.8

IPF

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
9	1234789-HpCDF	407.7818	42.23	257.803	1.200	0.022	0.020	1.28	1.05	YES	5.0
8	1234678-HpCDF	407.7818	39.52	346.420	1.215	0.023	0.023	0.90	1.05	NO	3.6

urans,TF,PP,PF,HF,HPF,OF

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
40	Total-Furans	303.9016	21.16	147.455	1.022	0.005		1.08	0.77	YES	2.3
2	12378-PeCDF	339.8597	30.23	722.050	0.875	0.031	0.029	1.25	1.55	YES	4.9
38	Total-hexafurans	373.8208	33.51	248.746	1.030	0.015		0.81	1.24	YES	3.8
9	1234789-HpCDF	407.7818	42.23	257.803	1.200	0.022	0.020	1.28	1.05	YES	5.0
8	1234678-HpCDF	407.7818	39.52	346.420	1.215	0.023	0.023	0.90	1.05	NO	3.6

D

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
41	Total-tetradioxins	319.8965	24.85	611.144	0.994	0.033		0.69	0.77	NO	5.9

D

#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	1° R...	S/N
42	Total-pentadioxins	355.8546	32.22	365.167	0.976	0.025		3.17	1.55	YES	3.6
42	Total-pentadioxins	355.8546	30.46	190.978	0.976	0.013		0.84	1.55	YES	2.3
42	Total-pentadioxins	355.8546	30.22	310.646	0.976	0.021		1.07	1.55	YES	3.3
42	Total-pentadioxins	355.8546	29.62	430.660	0.976	0.029		1.99	1.55	YES	3.0

D: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

HD

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	1° Ratl...	1° R...	S/N
	14	123678-HxCDD	389.8157	36.60	477.620	0.902	0.036	0.017	3.64	1.24	YES	5.1
	43	Total-hexadioxins	389.8157	35.52	785.733	0.928	0.058		1.02	1.24	YES	5.2
	43	Total-hexadioxins	389.8157	35.47	893.055	0.928	0.066		1.04	1.24	YES	4.9
	43	Total-hexadioxins	389.8157	34.31	2553.776	0.928	0.189		1.42	1.24	NO	13.5

HPD

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	1° Ratl...	1° R...	S/N
	16	1234678-HpCDD	423.7766	41.34	4915.976	0.999	0.423	0.423	1.08	1.05	NO	46.5
	44	Total-heptadioxins	423.7766	40.07	8915.422	0.999	0.767		1.10	1.05	NO	77.5

Dioxins,TD,PD,HD,HPD,OD

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	1° Ratl...	1° R...	S/N
	41	Total-tetradioxins	319.8965	24.85	611.144	0.994	0.033		0.69	0.77	NO	5.9
	42	Total-pentadioxins	355.8546	32.22	365.167	0.976	0.025		3.17	1.55	YES	3.6
	42	Total-pentadioxins	355.8546	30.46	190.978	0.976	0.013		0.84	1.55	YES	2.3
	42	Total-pentadioxins	355.8546	30.22	310.646	0.976	0.021		1.07	1.55	YES	3.3
	42	Total-pentadioxins	355.8546	29.62	430.660	0.976	0.029		1.99	1.55	YES	3.0
	14	123678-HxCDD	389.8157	36.60	477.620	0.902	0.036	0.017	3.64	1.24	YES	5.1
	43	Total-hexadioxins	389.8157	35.52	785.733	0.928	0.058		1.02	1.24	YES	5.2
	43	Total-hexadioxins	389.8157	35.47	893.055	0.928	0.066		1.04	1.24	YES	4.9
	43	Total-hexadioxins	389.8157	34.31	2553.776	0.928	0.189		1.42	1.24	NO	13.5
	16	1234678-HpCDD	423.7766	41.34	4915.976	0.999	0.423	0.423	1.08	1.05	NO	46.5
	44	Total-heptadioxins	423.7766	40.07	8915.422	0.999	0.767		1.10	1.05	NO	77.5
	17	OCDD	457.7377	47.24	18020.031	0.979	2.226	2.226	0.85	0.89	NO	107.7

TotalTEQ,Furans,Dioxins

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	1° Ratl...	1° R...	S/N
	40	Total-Furans	303.9016	21.16	147.455	1.022	0.005		1.08	0.77	YES	2.3
	2	12378-PeCDF	339.8597	30.23	722.050	0.875	0.031	0.029	1.25	1.55	YES	4.9
	38	Total-hexafurans	373.8208	33.51	248.746	1.030	0.015		0.81	1.24	YES	3.8
	9	1234789-HpCDF	407.7818	42.23	257.803	1.200	0.022	0.020	1.28	1.05	YES	5.0
	8	1234678-HpCDF	407.7818	39.52	346.420	1.215	0.023	0.023	0.90	1.05	NO	3.6
	41	Total-tetradioxins	319.8965	24.85	611.144	0.994	0.033		0.69	0.77	NO	5.9
	42	Total-pentadioxins	355.8546	32.22	365.167	0.976	0.025		3.17	1.55	YES	3.6
	42	Total-pentadioxins	355.8546	30.46	190.978	0.976	0.013		0.84	1.55	YES	2.3
	42	Total-pentadioxins	355.8546	30.22	310.646	0.976	0.021		1.07	1.55	YES	3.3
	42	Total-pentadioxins	355.8546	29.62	430.660	0.976	0.029		1.99	1.55	YES	3.0
	14	123678-HxCDD	389.8157	36.60	477.620	0.902	0.036	0.017	3.64	1.24	YES	5.1
	43	Total-hexadioxins	389.8157	35.52	785.733	0.928	0.058		1.02	1.24	YES	5.2
	43	Total-hexadioxins	389.8157	35.47	893.055	0.928	0.066		1.04	1.24	YES	4.9
	43	Total-hexadioxins	389.8157	34.31	2553.776	0.928	0.189		1.42	1.24	NO	13.5
	16	1234678-HpCDD	423.7766	41.34	4915.976	0.999	0.423	0.423	1.08	1.05	NO	46.5
	44	Total-heptadioxins	423.7766	40.07	8915.422	0.999	0.767		1.10	1.05	NO	77.5
	17	OCDD	457.7377	47.24	18020.031	0.979	2.226	2.226	0.85	0.89	NO	107.7

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FK1

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	2° Rati...	1° R...	S/N
	48	FUNCTION1 PFK	330.9792	25.21	0.000							5.3
	48	FUNCTION1 PFK	330.9792	25.00	0.000							2.7
	48	FUNCTION1 PFK	330.9792	24.76	0.000							4.3
	48	FUNCTION1 PFK	330.9792	24.32	0.000							9.5
	48	FUNCTION1 PFK	330.9792	23.49	0.000							4.2
	48	FUNCTION1 PFK	330.9792	23.15	0.000							5.6
	48	FUNCTION1 PFK	330.9792	22.93	0.000							2.2
	48	FUNCTION1 PFK	330.9792	21.66	0.000							15.3
	48	FUNCTION1 PFK	330.9792	21.43	0.000							12.0
	48	FUNCTION1 PFK	330.9792	27.92	0.000							11.4
	48	FUNCTION1 PFK	330.9792	27.75	0.000							9.0
	48	FUNCTION1 PFK	330.9792	27.57	0.000							11.1
	48	FUNCTION1 PFK	330.9792	27.32	0.000							5.9
	48	FUNCTION1 PFK	330.9792	27.21	0.000							10.0
	48	FUNCTION1 PFK	330.9792	27.11	0.000							11.3
	48	FUNCTION1 PFK	330.9792	26.89	0.000							4.5
	48	FUNCTION1 PFK	330.9792	26.57	0.000							5.5
	48	FUNCTION1 PFK	330.9792	26.35	0.000							3.1
	48	FUNCTION1 PFK	330.9792	25.79	0.000							3.3
	48	FUNCTION1 PFK	330.9792	25.56	0.000							5.5

FK2

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	2° Rati...	1° R...	S/N

FK3

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rati...	2° Rati...	1° R...	S/N
	50	FUNCTION3 PFK	380.9760	34.04	0.000	0.000						9.2
	50	FUNCTION3 PFK	380.9760	33.90	0.000	0.000						3.8
	50	FUNCTION3 PFK	380.9760	33.24	0.000	0.000						7.6
	50	FUNCTION3 PFK	380.9760	38.01	0.000	0.000						3.9
	50	FUNCTION3 PFK	380.9760	37.06	0.000	0.000						5.7
	50	FUNCTION3 PFK	380.9760	35.97	0.000	0.000						14.8
	50	FUNCTION3 PFK	380.9760	35.42	0.000	0.000						10.0
	50	FUNCTION3 PFK	380.9760	34.99	0.000	0.000						2.9

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PFK4

		Name	Trace	RT	Abs.Rat	S/N	pg	EMPC	13 Rati	37 Rati	13 Ri	dm
[redacted]	51	FUNCTION4 PFK	430.9728	39.38	0.000							1.0
[redacted]	51	FUNCTION4 PFK	430.9728	39.26	0.000							1.9
[redacted]	51	FUNCTION4 PFK	430.9728	39.10	0.000							0.8
[redacted]	51	FUNCTION4 PFK	430.9728	39.05	0.000							0.8
[redacted]	51	FUNCTION4 PFK	430.9728	38.95	0.000							0.5
[redacted]	51	FUNCTION4 PFK	430.9728	38.84	0.000							1.6
[redacted]	51	FUNCTION4 PFK	430.9728	38.79	0.000							0.4
[redacted]	51	FUNCTION4 PFK	430.9728	38.74	0.000							1.5
[redacted]	51	FUNCTION4 PFK	430.9728	38.70	0.000							1.7
[redacted]	51	FUNCTION4 PFK	430.9728	38.59	0.000							0.9
[redacted]	51	FUNCTION4 PFK	430.9728	40.89	0.000							1.6
[redacted]	51	FUNCTION4 PFK	430.9728	40.82	0.000							1.4
[redacted]	51	FUNCTION4 PFK	430.9728	40.76	0.000							1.1
[redacted]	51	FUNCTION4 PFK	430.9728	40.68	0.000							0.4
[redacted]	51	FUNCTION4 PFK	430.9728	40.64	0.000							0.4
[redacted]	51	FUNCTION4 PFK	430.9728	40.54	0.000							1.5
[redacted]	51	FUNCTION4 PFK	430.9728	40.43	0.000							1.1
[redacted]	51	FUNCTION4 PFK	430.9728	40.37	0.000							2.2
[redacted]	51	FUNCTION4 PFK	430.9728	40.22	0.000							2.8
[redacted]	51	FUNCTION4 PFK	430.9728	40.17	0.000							4.4
[redacted]	51	FUNCTION4 PFK	430.9728	40.07	0.000							0.9
[redacted]	51	FUNCTION4 PFK	430.9728	39.80	0.000							1.3
[redacted]	51	FUNCTION4 PFK	430.9728	39.74	0.000							1.6
[redacted]	51	FUNCTION4 PFK	430.9728	39.67	0.000							0.6
[redacted]	51	FUNCTION4 PFK	430.9728	39.62	0.000							1.6
[redacted]	51	FUNCTION4 PFK	430.9728	39.57	0.000							1.8
[redacted]	51	FUNCTION4 PFK	430.9728	42.77	0.000							0.9
[redacted]	51	FUNCTION4 PFK	430.9728	42.55	0.000							0.5
[redacted]	51	FUNCTION4 PFK	430.9728	42.41	0.000							0.5
[redacted]	51	FUNCTION4 PFK	430.9728	42.21	0.000							1.0
[redacted]	51	FUNCTION4 PFK	430.9728	42.12	0.000							1.5
[redacted]	51	FUNCTION4 PFK	430.9728	42.05	0.000							1.1
[redacted]	51	FUNCTION4 PFK	430.9728	41.87	0.000							1.1
[redacted]	51	FUNCTION4 PFK	430.9728	41.83	0.000							1.1
[redacted]	51	FUNCTION4 PFK	430.9728	41.69	0.000							0.4
[redacted]	51	FUNCTION4 PFK	430.9728	41.64	0.000							0.6
[redacted]	51	FUNCTION4 PFK	430.9728	41.43	0.000							0.7
[redacted]	51	FUNCTION4 PFK	430.9728	41.34	0.000							0.8
[redacted]	51	FUNCTION4 PFK	430.9728	41.22	0.000							0.8
[redacted]	51	FUNCTION4 PFK	430.9728	41.14	0.000							1.8
[redacted]	51	FUNCTION4 PFK	430.9728	40.99	0.000							1.2
[redacted]	51	FUNCTION4 PFK	430.9728	40.93	0.000							1.5
[redacted]	51	FUNCTION4 PFK	430.9728	44.57	0.000							0.3
[redacted]	51	FUNCTION4 PFK	430.9728	44.53	0.000							1.0
[redacted]	51	FUNCTION4 PFK	430.9728	44.45	0.000							1.4
[redacted]	51	FUNCTION4 PFK	430.9728	44.40	0.000							0.8
[redacted]	51	FUNCTION4 PFK	430.9728	44.18	0.000							1.6
[redacted]	51	FUNCTION4 PFK	430.9728	44.09	0.000							0.6
[redacted]	51	FUNCTION4 PFK	430.9728	43.88	0.000							1.6

Quantify Totals Report MassLynx 4.1 SCN 714
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PFK4

	51	FUNCTION4 PFK	430.9728	43.79	0.000					0.8
	51	FUNCTION4 PFK	430.9728	43.64	0.000					1.1
	51	FUNCTION4 PFK	430.9728	43.53	0.000					1.0
	51	FUNCTION4 PFK	430.9728	43.45	0.000					1.0
	51	FUNCTION4 PFK	430.9728	43.30	0.000					0.8
	51	FUNCTION4 PFK	430.9728	43.23	0.000					1.2
	51	FUNCTION4 PFK	430.9728	42.97	0.000					0.3
	51	FUNCTION4 PFK	430.9728	42.92	0.000					1.0
	51	FUNCTION4 PFK	430.9728	42.84	0.000					1.1
	51	FUNCTION4 PFK	430.9728	44.80	0.000					2.0

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PFK5

[redacted]	#	Name	Trans	[redacted]	Area Resp	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	S/N
[redacted]	52	FUNCTION5 PFK	480.9696	46.28	0.000						0.3
[redacted]	52	FUNCTION5 PFK	480.9696	46.24	0.000						1.3
[redacted]	52	FUNCTION5 PFK	480.9696	46.15	0.000						2.4
[redacted]	52	FUNCTION5 PFK	480.9696	46.08	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	45.87	0.000						1.2
[redacted]	52	FUNCTION5 PFK	480.9696	45.83	0.000						0.9
[redacted]	52	FUNCTION5 PFK	480.9696	45.69	0.000						2.8
[redacted]	52	FUNCTION5 PFK	480.9696	45.65	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	45.57	0.000						0.5
[redacted]	52	FUNCTION5 PFK	480.9696	45.44	0.000						1.5
[redacted]	52	FUNCTION5 PFK	480.9696	45.40	0.000						2.0
[redacted]	52	FUNCTION5 PFK	480.9696	45.28	0.000						2.2
[redacted]	52	FUNCTION5 PFK	480.9696	45.17	0.000						0.4
[redacted]	52	FUNCTION5 PFK	480.9696	45.13	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	47.65	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	47.51	0.000						0.3
[redacted]	52	FUNCTION5 PFK	480.9696	47.44	0.000						0.5
[redacted]	52	FUNCTION5 PFK	480.9696	47.41	0.000						0.4
[redacted]	52	FUNCTION5 PFK	480.9696	47.37	0.000						0.8
[redacted]	52	FUNCTION5 PFK	480.9696	47.29	0.000						1.3
[redacted]	52	FUNCTION5 PFK	480.9696	47.26	0.000						0.7
[redacted]	52	FUNCTION5 PFK	480.9696	47.22	0.000						1.2
[redacted]	52	FUNCTION5 PFK	480.9696	47.16	0.000						0.8
[redacted]	52	FUNCTION5 PFK	480.9696	47.00	0.000						0.9
[redacted]	52	FUNCTION5 PFK	480.9696	46.78	0.000						0.4
[redacted]	52	FUNCTION5 PFK	480.9696	46.70	0.000						0.9
[redacted]	52	FUNCTION5 PFK	480.9696	46.66	0.000						0.4
[redacted]	52	FUNCTION5 PFK	480.9696	46.46	0.000						1.4
[redacted]	52	FUNCTION5 PFK	480.9696	46.43	0.000						0.8
[redacted]	52	FUNCTION5 PFK	480.9696	46.38	0.000						0.9
[redacted]	52	FUNCTION5 PFK	480.9696	48.94	0.000						0.8
[redacted]	52	FUNCTION5 PFK	480.9696	48.85	0.000						0.9
[redacted]	52	FUNCTION5 PFK	480.9696	48.66	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	48.60	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	48.53	0.000						1.8
[redacted]	52	FUNCTION5 PFK	480.9696	48.44	0.000						1.0
[redacted]	52	FUNCTION5 PFK	480.9696	48.40	0.000						1.8
[redacted]	52	FUNCTION5 PFK	480.9696	48.36	0.000						1.1
[redacted]	52	FUNCTION5 PFK	480.9696	48.28	0.000						1.5
[redacted]	52	FUNCTION5 PFK	480.9696	48.20	0.000						0.5
[redacted]	52	FUNCTION5 PFK	480.9696	48.12	0.000						0.5
[redacted]	52	FUNCTION5 PFK	480.9696	48.07	0.000						0.6
[redacted]	52	FUNCTION5 PFK	480.9696	48.00	0.000						1.3
[redacted]	52	FUNCTION5 PFK	480.9696	47.85	0.000						1.2
[redacted]	52	FUNCTION5 PFK	480.9696	47.76	0.000						1.6
[redacted]	52	FUNCTION5 PFK	480.9696	47.68	0.000						1.4
[redacted]	52	FUNCTION5 PFK	480.9696	48.98	0.000						1.6

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OTHERS1

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N
53	FUNCTION1 HXCD...	375.8364	28.08	0.000	0.000						1.8
53	FUNCTION1 HXCD...	375.8364	27.26	0.000	0.000						2.8

OTHERS2

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N
54	FUNCTION1 HPCD...	409.7974	28.08	0.000	0.000						2.7
54	FUNCTION1 HPCD...	409.7974	27.86	0.000	0.000						1.9
54	FUNCTION1 HPCD...	409.7974	27.23	0.000	0.000						7.3
54	FUNCTION1 HPCD...	409.7974	24.81	0.000	0.000						2.2
54	FUNCTION1 HPCD...	409.7974	24.32	0.000	0.000						3.1
54	FUNCTION1 HPCD...	409.7974	23.93	0.000	0.000						2.7
54	FUNCTION1 HPCD...	409.7974	22.94	0.000	0.000						2.5
54	FUNCTION1 HPCD...	409.7974	21.27	0.000	0.000						1.6
54	FUNCTION1 HPCD...	409.7974	21.15	0.000	0.000						1.3

OTHERS3

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N
55	FUNCTION2 HPCD...	409.7974	28.97	0.000	0.000						1.1
55	FUNCTION2 HPCD...	409.7974	32.89	0.000	0.000						2.1
55	FUNCTION2 HPCD...	409.7974	29.32	0.000	0.000						4.1

OTHERS4

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N
56	FUNCTION3 OCDPE	445.7555	34.85	0.000	0.000						4.7

OTHERS5

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N
57	FUNCTION4 NCDPE	479.7165	42.00	0.000	0.000						2.6

OTHERS6

#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	1° Rati...	2° Rati...	1° R...	S/N

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Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

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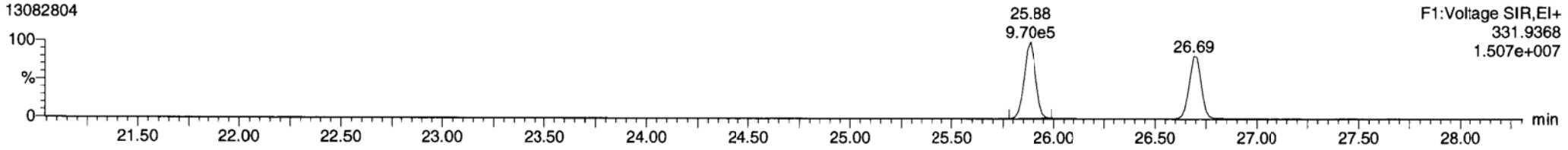
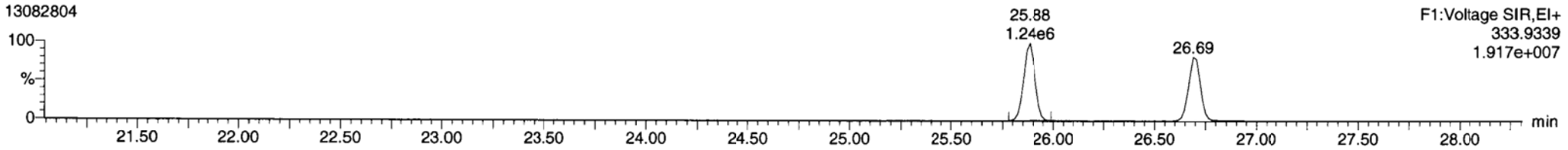
13C-1234-TCDD



13C-1234-TCDD



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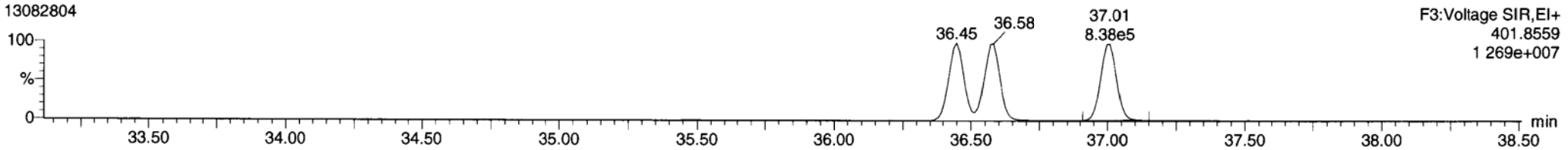

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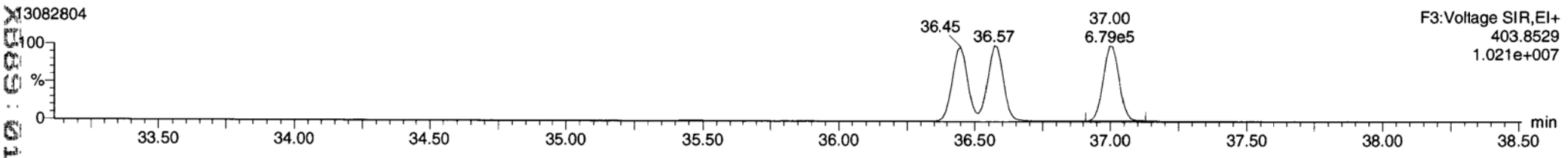

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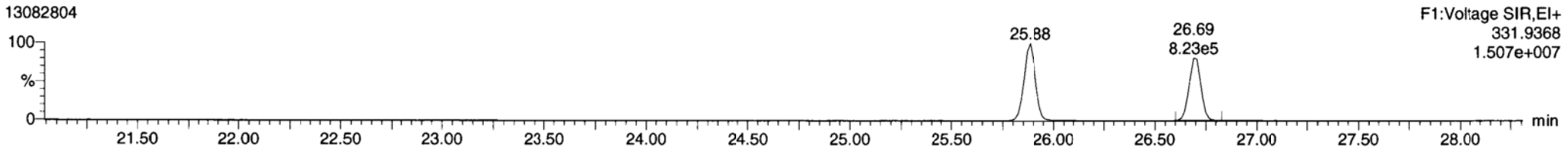
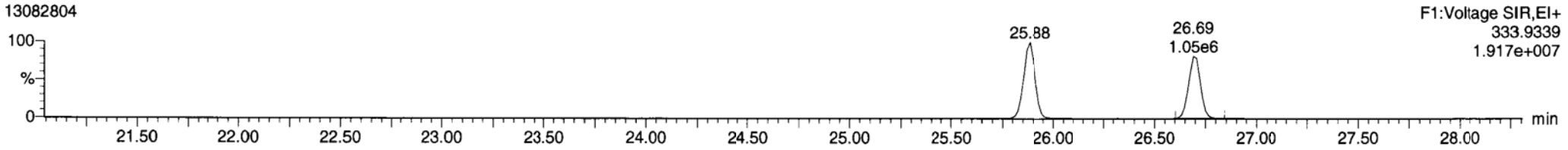
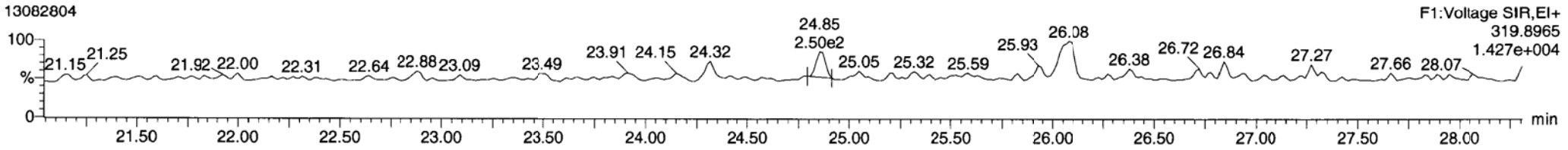
13C-2378-TCDD



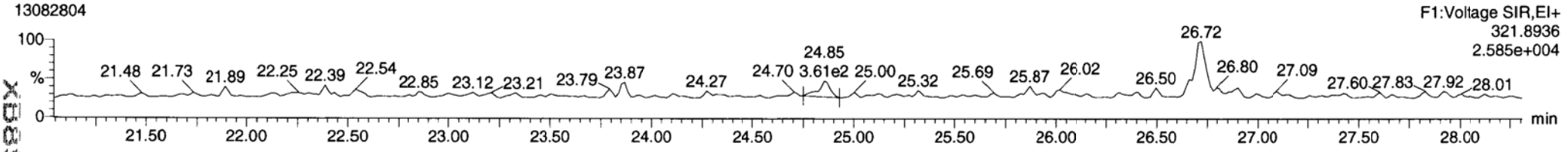
13C-2378-TCDD



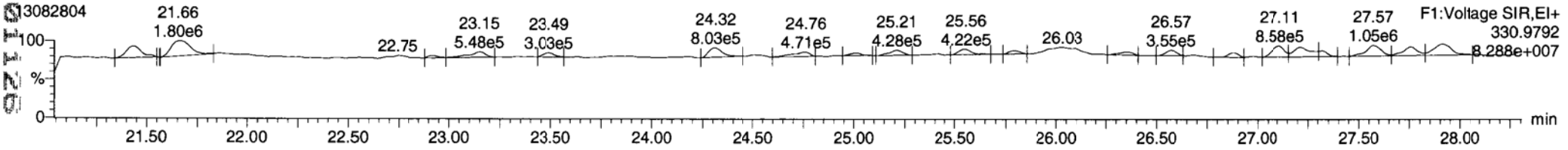
Total-tetradioxins



Total-tetradioxins



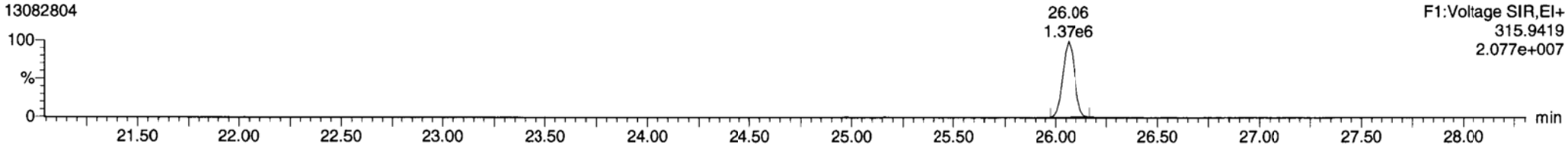
FUNCTION1 PFK



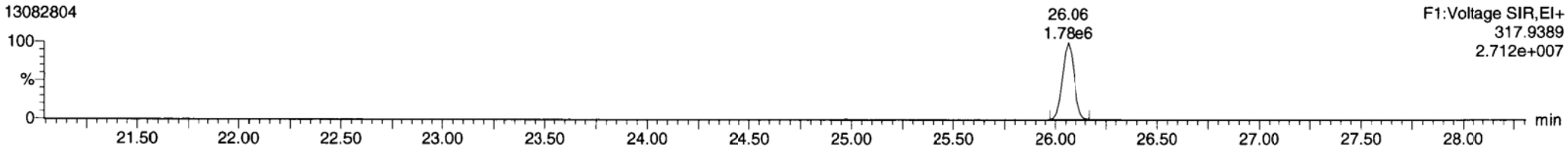
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

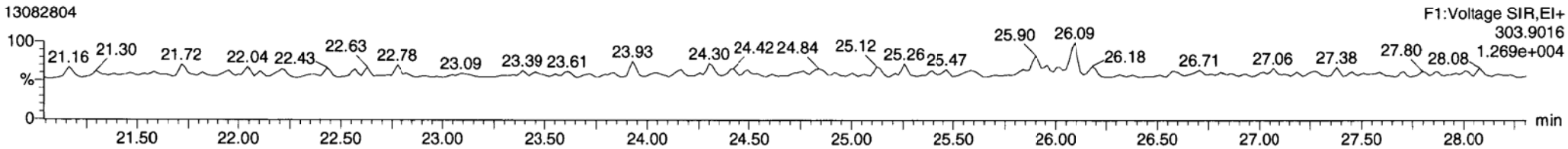
13C-2378-TCDF



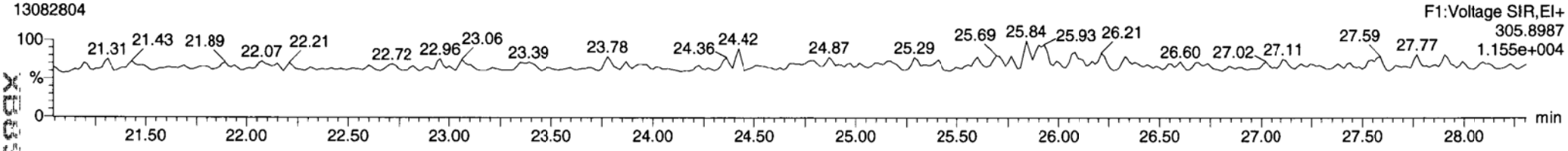
13C-2378-TCDF



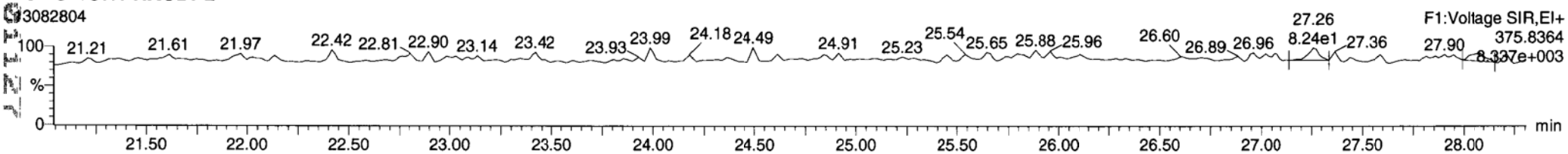
Total-tetrafurans



Total-tetrafurans



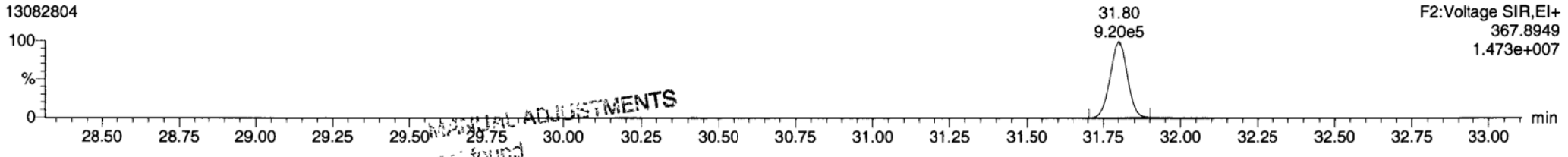
FUNCTION1 HXCDPE



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

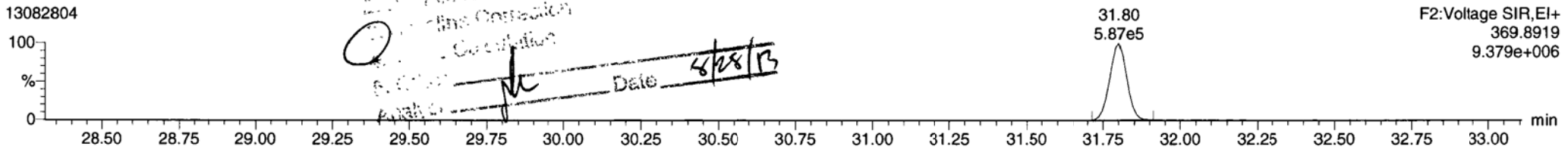
ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD

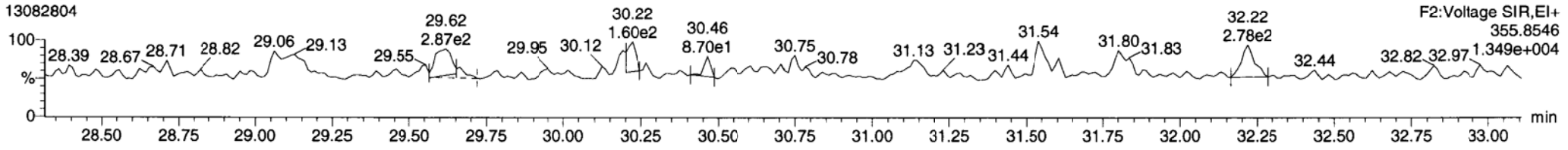


MANUAL ADJUSTMENTS
1. Peak not found
2. Chromatography
3. Baseline Correction
4. Co-elution
5. Other
Analyst Date 8/28/13

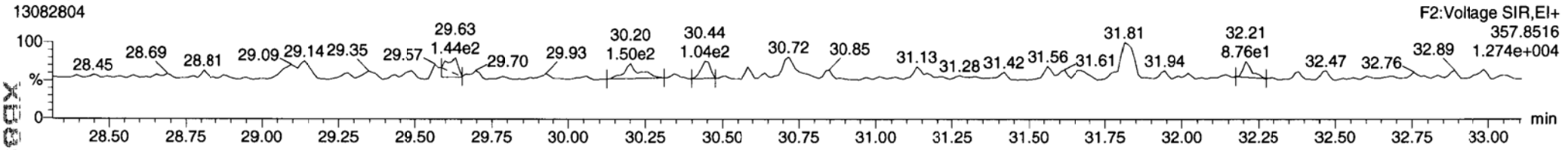
13C-12378-PeCDD



Total-pentadioxins

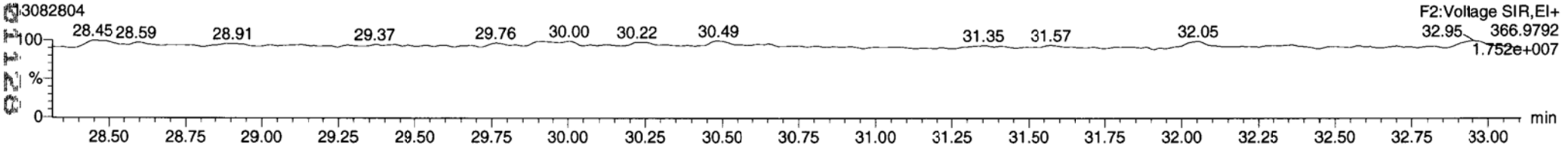


Total-pentadioxins



XB89SCDX

FUNCTION2 PFK



XB89SCDX

Dataset: P:\DIOXIN8290.PRO\130828QC.qld
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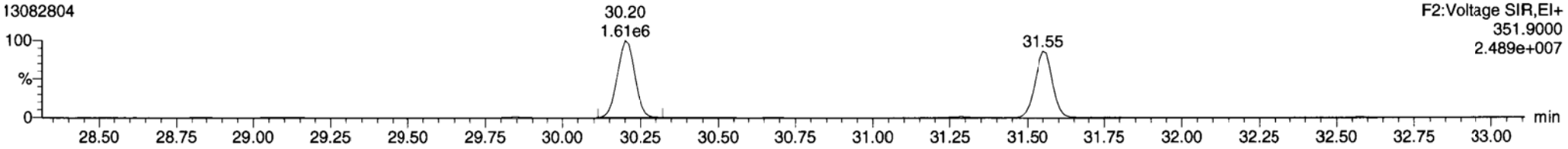
Printed: Wednesday, August 28, 2013 15:13:37 Pacific Daylight Time

ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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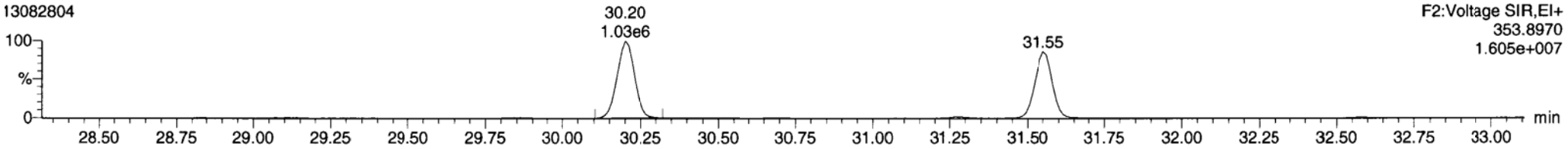
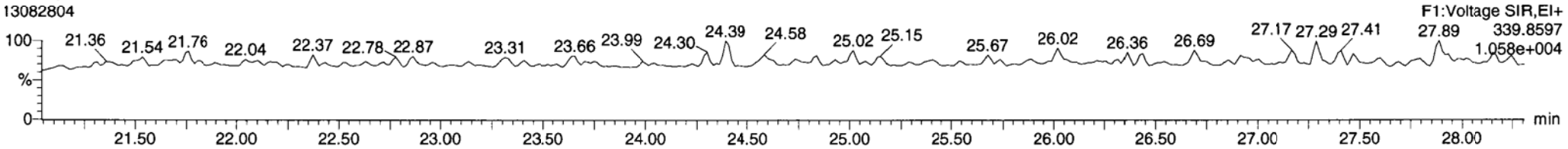


Total-penta1



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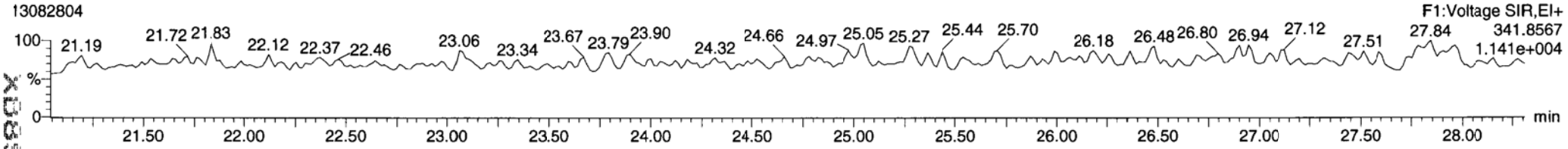
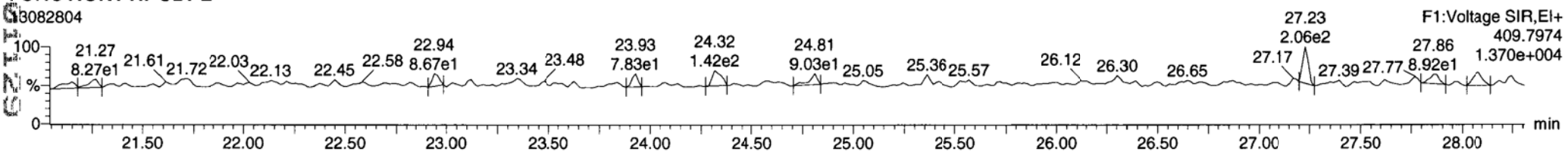


FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
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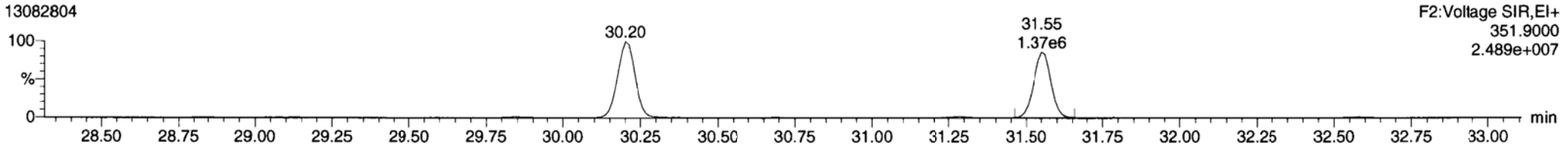
13C-23478-PeCDF



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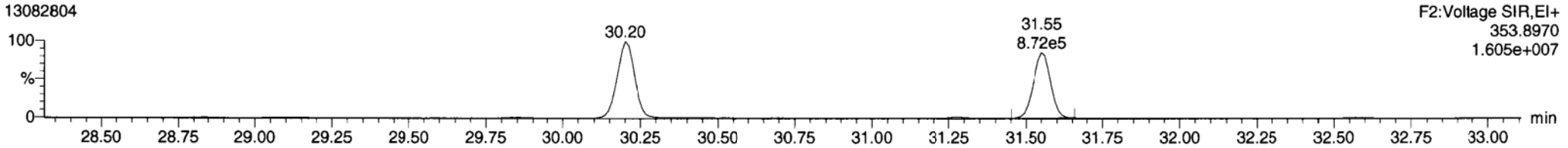
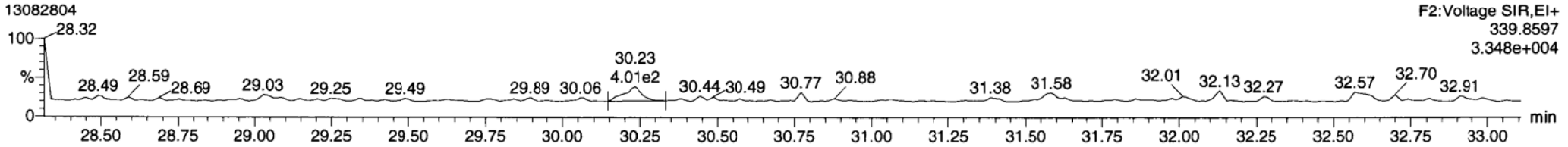
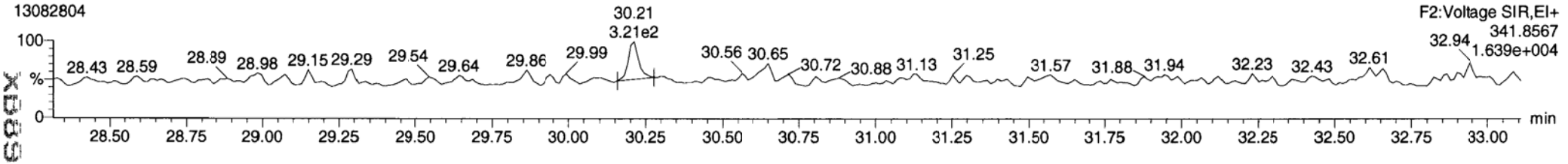


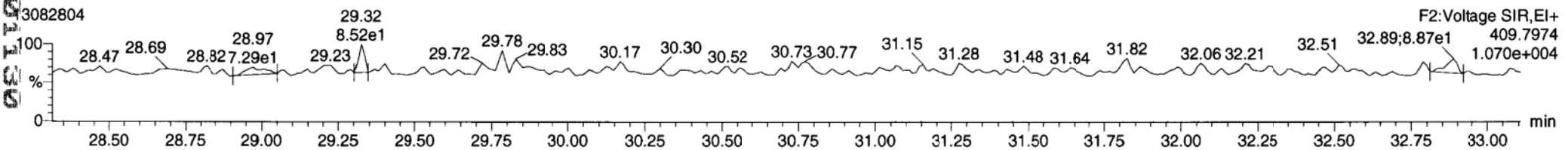
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
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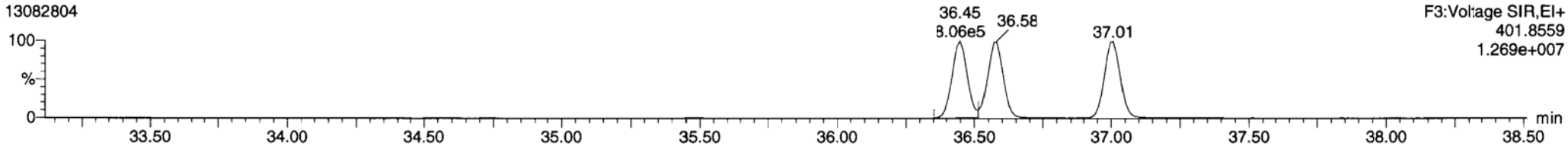
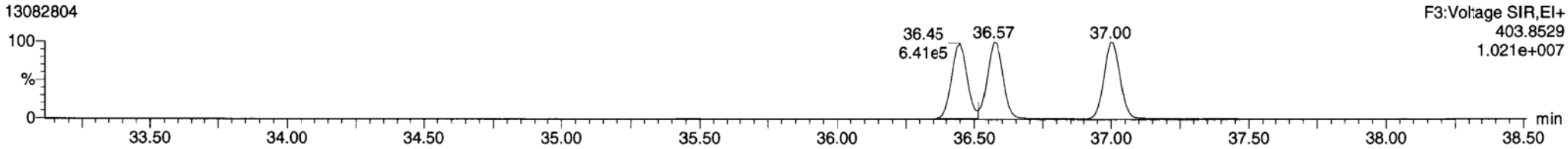
ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

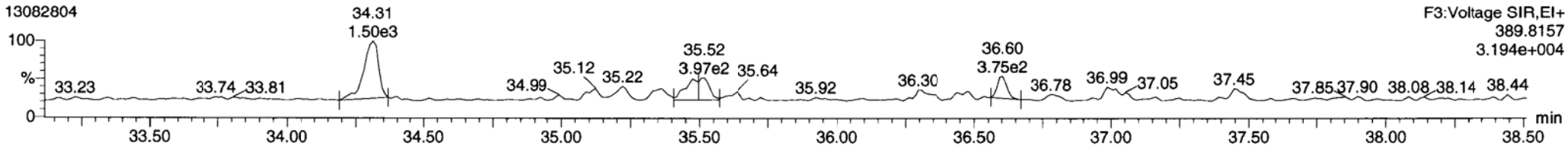
13C-123478-HxCDD



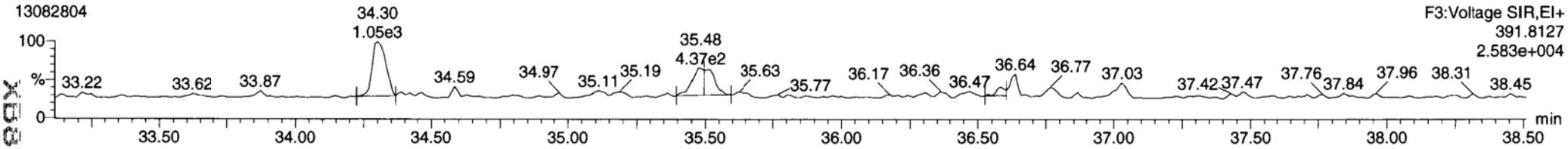
13C-123478-HxCDD



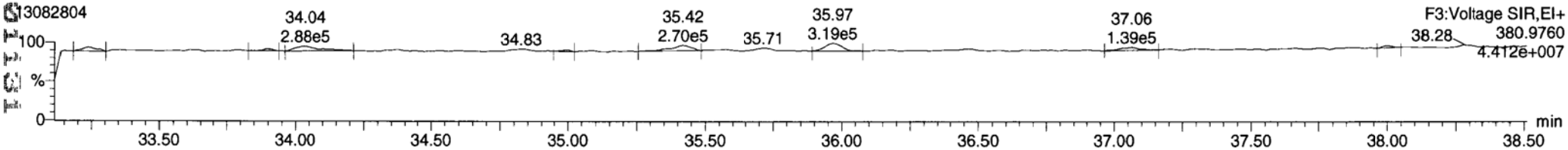
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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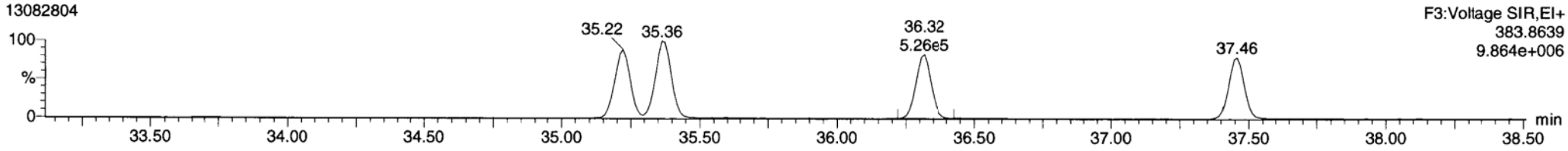
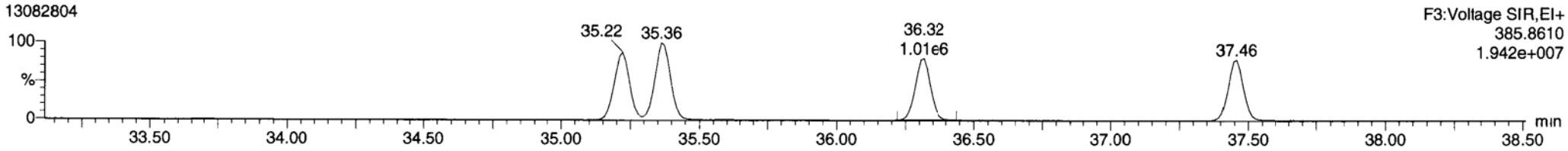
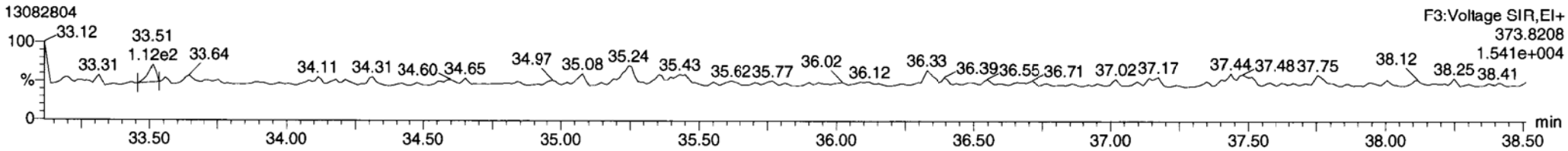
13C-234678-HxCDF



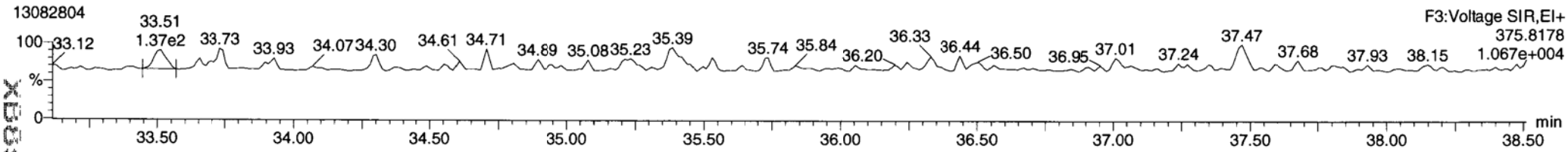
13C-234678-HxCDF



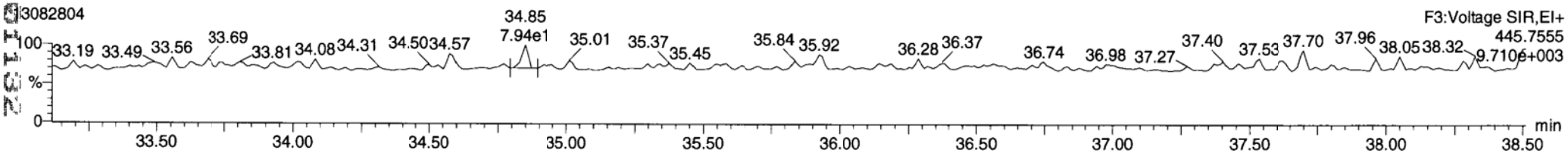
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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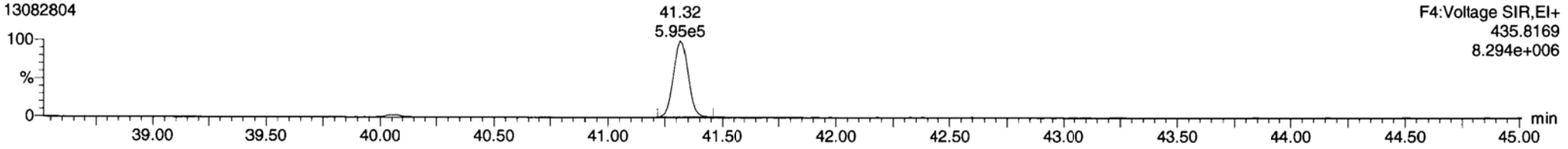
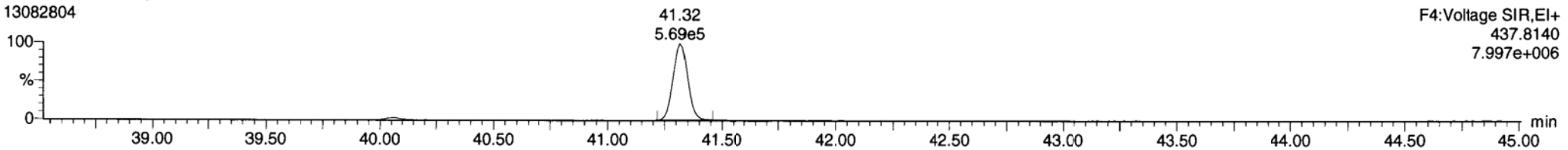
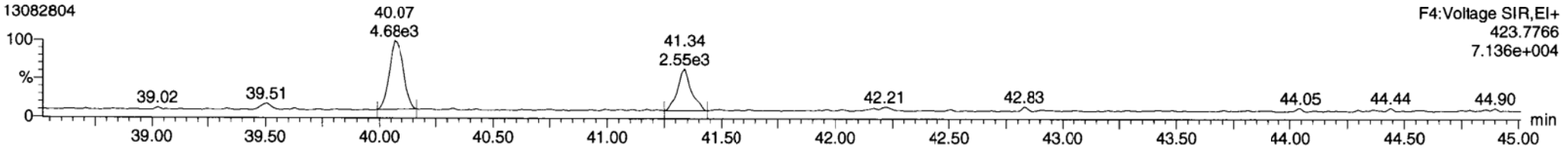
13C-1234678-HpCDD



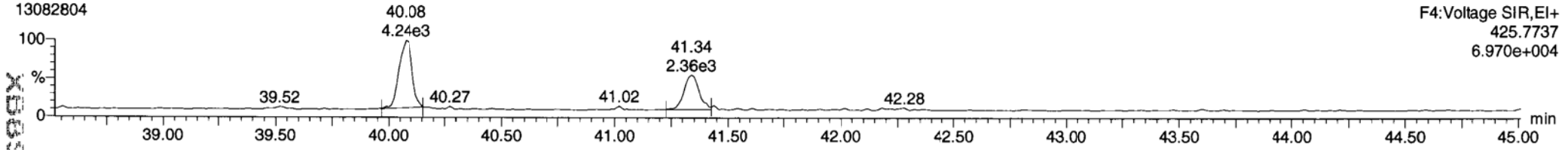
13C-1234678-HpCDD



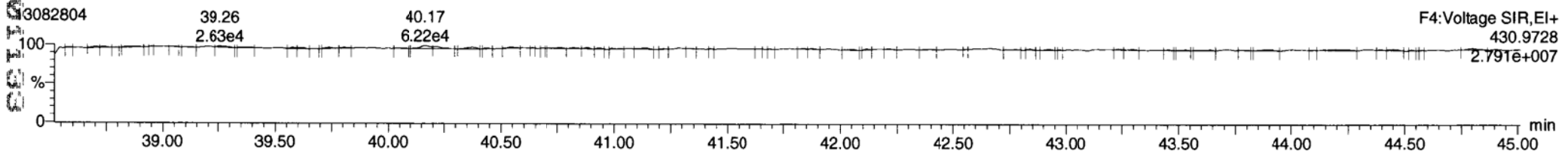
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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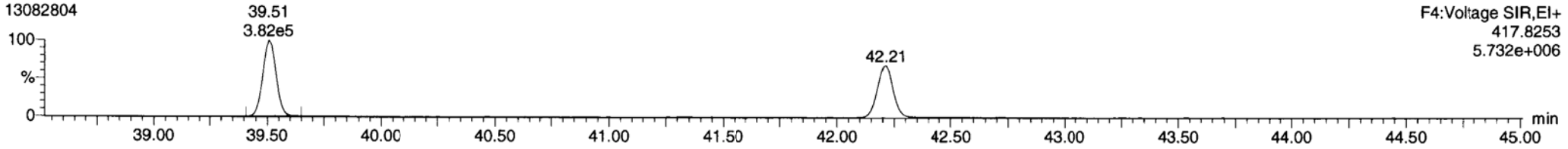
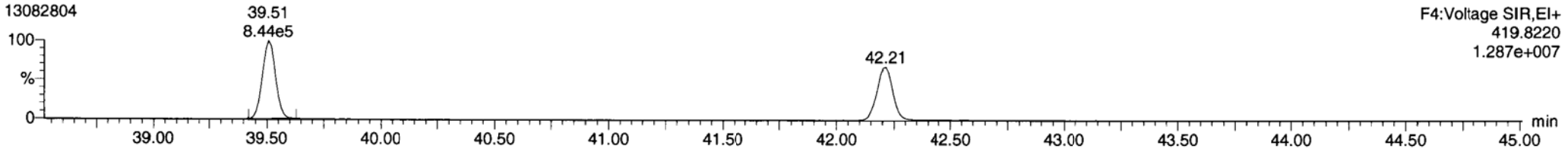
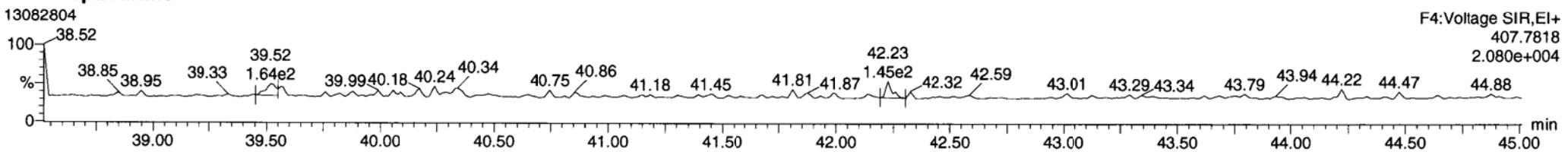
13C-1234678-HpCDF



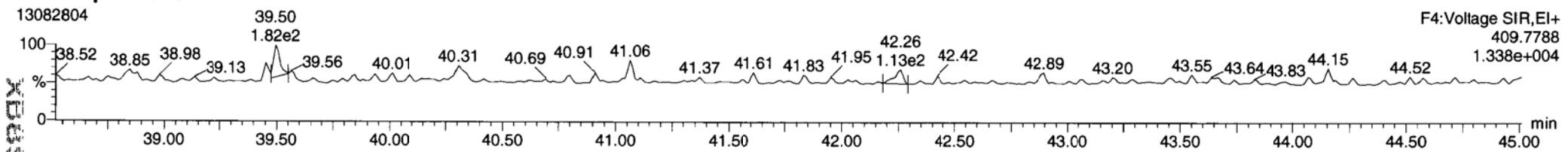
13C-1234678-HpCDF



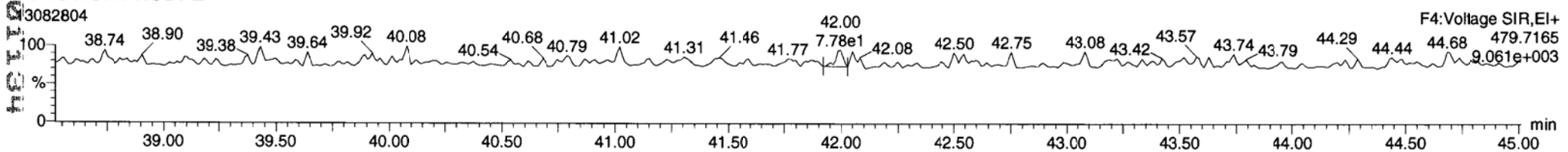
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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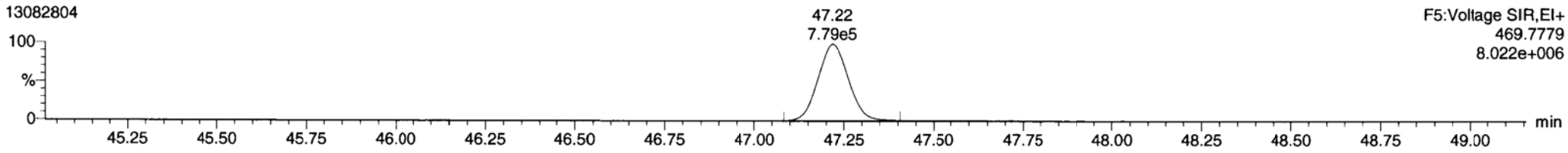
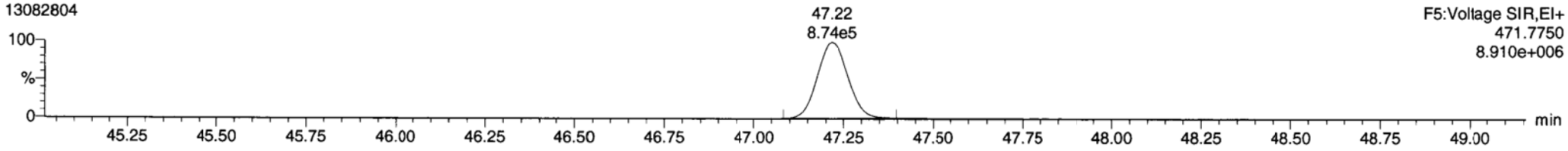
ID: XB89MBS, Name: 13082804, Date: 28-Aug-2013, Time: 13:05:02, Conditions: AUTOSPEC01, User: pk

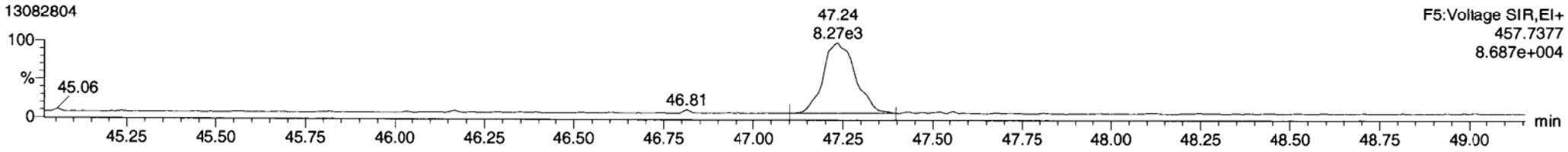
13C-OCDD



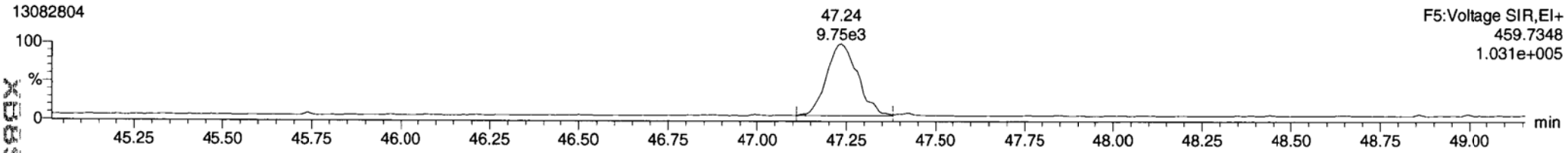
13C-OCDD



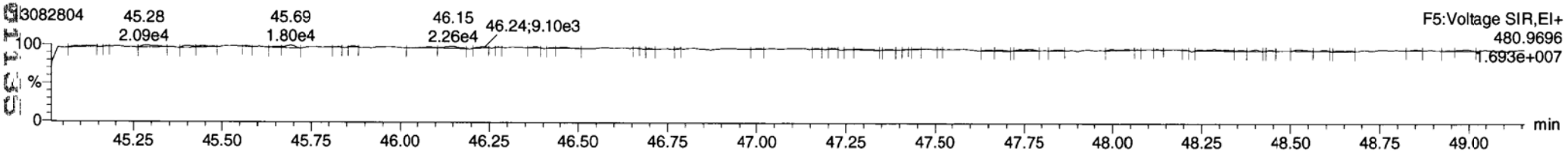
OCDD



OCDD



FUNCTION5 PFK



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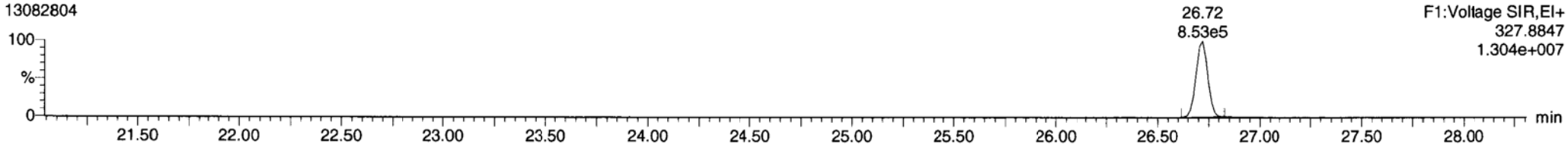
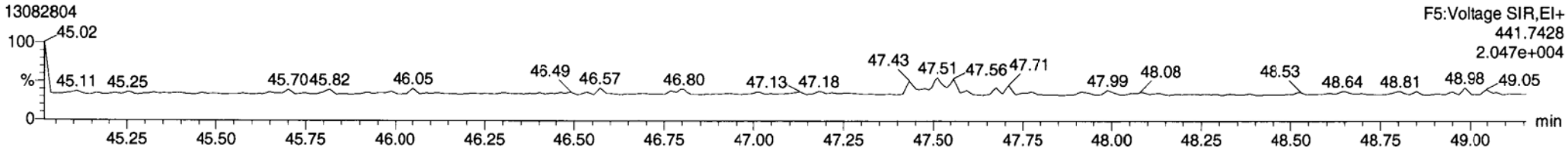
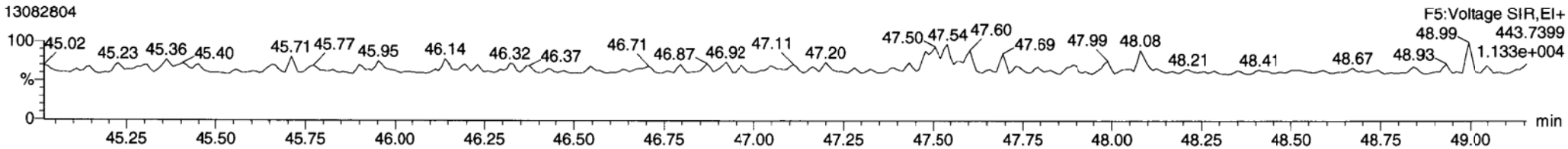
37CL-2378-TCDD



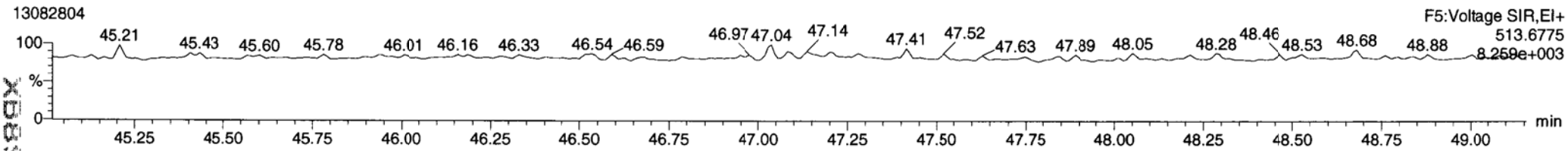
OCDF



OCDF



FUNCTION5 DCDPE



XB89MBS.S1.S6

Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

8/28/13

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

Name		RRT			RR	Ratio		S/N							
2378-TCDF	26.063	1.001	1.17e5	1.63e5	0.867	0.714	0.770	1563.7	1135	1045	1.77e6	2.50e6	NO	10.653	10.653
12378-PeCDF	30.212	1.001	8.68e5	5.79e5	0.875	1.499	1.550	6881.3	1987	2350	1.37e7	9.23e6	NO	58.206	58.206
23478-PeCDF	31.560	1.001	7.11e5	4.71e5	0.880	1.508	1.550	5605.4	1987	2350	1.11e7	7.35e6	NO	56.777	56.777
123478-HxCDF	35.233	1.001	5.27e5	4.39e5	1.048	1.202	1.240	3155.1	2569	2276	8.10e6	6.78e6	NO	52.957	52.957
234678-HxCDF	36.329	1.001	5.22e5	4.40e5	1.088	1.186	1.240	3126.9	2569	2276	8.03e6	6.61e6	NO	54.284	54.284
123678-HxCDF	35.375	1.001	6.32e5	5.24e5	1.025	1.206	1.240	3660.0	2569	2276	9.40e6	7.87e6	NO	55.181	55.181
123789-HxCDF	37.458	1.000	4.43e5	3.76e5	0.959	1.180	1.240	2657.3	2569	2276	6.83e6	5.90e6	NO	53.699	53.699
1234678-HpCDF	39.519	1.001	4.76e5	4.79e5	1.215	0.994	1.050	3766.1	1928	2200	7.26e6	7.21e6	NO	58.893	58.893
1234789-HpCDF	42.215	1.000	3.46e5	3.52e5	1.200	0.982	1.050	2342.2	1928	2200	4.52e6	4.59e6	NO	55.033	55.033
OCDF	47.514	1.006	4.80e5	5.48e5	1.064	0.876	0.890	3633.8	1295	2017	4.71e6	5.37e6	NO	107.993	107.993
2378-TCDD	26.706	1.001	9.02e4	1.16e5	0.994	0.775	0.770	1695.6	802	1621	1.36e6	1.75e6	NO	10.752	10.752
12378-PeCDD	31.802	1.000	4.90e5	3.19e5	0.976	1.536	1.550	3690.9	2069	1832	7.64e6	4.96e6	NO	52.436	52.436
123478-HxCDD	36.449	1.000	4.42e5	3.55e5	0.967	1.244	1.240	4493.2	1529	2445	6.87e6	5.63e6	NO	53.563	53.563
123678-HxCDD	36.581	1.000	4.20e5	3.39e5	0.902	1.237	1.240	4317.0	1529	2445	6.60e6	5.25e6	NO	54.456	54.456
123789-HxCDD	37.008	1.012	4.30e5	3.49e5	0.914	1.232	1.240	4211.0	1529	2445	6.44e6	5.23e6	NO	55.277	55.277
1234678-HpCDD	41.327	1.001	3.35e5	3.21e5	0.999	1.041	1.050	2322.1	1968	1844	4.57e6	4.35e6	NO	53.863	53.863
OCDD	47.236	1.001	4.63e5	5.20e5	0.979	0.889	0.890	4138.1	1148	1995	4.75e6	5.28e6	NO	112.190	112.190
13C-2378-TCDF	26.049	1.007	1.32e6	1.72e6	1.419	0.769	0.770	7555.9	2688	1667	2.03e7	2.62e7	NO		93.098
13C-12378-PeCDF	30.190	1.167	1.73e6	1.11e6	1.158	1.564	1.550	4773.1	5587	2206	2.67e7	1.71e7	NO		106.830
13C-23478-PeCDF	31.538	1.219	1.45e6	9.22e5	1.127	1.569	1.550	4052.0	5587	2206	2.26e7	1.44e7	NO		91.509
13C-123478-HxCDF	35.211	0.952	5.89e5	1.15e6	1.206	0.511	0.510	3315.4	2785	2785	9.23e6	1.80e7	NO		83.911
13C-123678-HxCDF	35.353	0.956	6.98e5	1.35e6	1.266	0.518	0.510	3764 4	2785	2785	1.05e7	2.02e7	NO		94.034
13C-234678-HxCDF	36.307	0.981	5.53e5	1.08e6	1.155	0.515	0.510	3070.6	2785	2785	8.55e6	1.64e7	NO		82.040
13C-123789-HxCDF	37.447	1.012	5.34e5	1.06e6	1.121	0.506	0.510	3105.6	2785	2785	8.65e6	1.67e7	NO		82.555
13C-1234678-HpCDF	39.497	1.068	4.13e5	9.21e5	1.040	0.449	0.440	3020.8	2039	1792	6.16e6	1.38e7	NO		74.713
13C-1234789-HpCDF	42.204	1.141	3.29e5	7.28e5	0.789	0.452	0.440	2085.5	2039	1792	4.25e6	9.44e6	NO		77.927
13C-1234-TCDD	25.869	0.000	1.01e6	1.29e6	1.000	0.787	0.770	4966.5	3126	2187	1.55e7	1.94e7	NO		100.000
13C-2378-TCDD	26.676	1.031	8.46e5	1.09e6	0.962	0.776	0.770	4128.2	3126	2187	1.29e7	1.65e7	NO		87.550
13C-12378-PeCDD	31.791	1.229	9.63e5	6.18e5	0.746	1.559	1.550	9849.0	1537	1065	1.51e7	9.68e6	NO		92.229
13C-123478-HxCDD	36.438	0.985	8.59e5	6.80e5	1.003	1.263	1.240	6836.2	1967	2185	1.34e7	1.08e7	NO		89.327
13C-123678-HxCDD	36.570	0.988	8.57e5	6.89e5	1.052	1.243	1.240	6757.3	1967	2185	1.33e7	1.05e7	NO		85.516
13C-1234678-HpCDD	41.305	1.116	6.26e5	5.94e5	0.880	1.054	1.050	3571.7	2383	2064	8.51e6	8.12e6	NO		80.624
13C-OCDD	47.208	1.276	8.43e5	9.47e5	0.775	0.889	0.890	3283.1	2684	1886	8.81e6	9.80e6	NO		134.466

Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

Name	RT	dRT	Area	Ion2Area	RRF	Ratio	Prod RF	S/N	Height	Width	Ion1Amt	Ion2Amt	EMPC?	Ion EMPC	Conc
13C-123789-HxCDD	36.997	0.000	9.48e5	7.70e5	1.000	1.231	1.240	7225.5	1967	2185	1.42e7	1.15e7	NO		100.000
Total-tetrafurans			1.21e5		0.867				1135		1.85e6				11.052
Total-penta1			0.00e0						636		0.00e0				
Total-pentafurans			1.62e6		0.877				1987		2.53e7				117.782
Total-hexafurans			2.13e6		1.030				2569		3.25e7				216.896
Total-heptafurans			8.26e5		1.207				1928		1.18e7				114.558
Total-Furans			5.18e6		1.022				1135		7.62e7				568.281
Total-tetradioxins			9.47e4		0.994				802		1.41e6				11.264
Total-pentadioxins			4.98e5		0.976				2069		7.76e6				53.243
Total-hexadioxins			1.30e6		0.928				1529		2.01e7				164.573
Total-heptadioxins			3.52e5		0.999				1968		4.85e6				56.625
Total-Dioxins			2.71e6		0.962				802		3.89e7				397.896
Total-TEQ			7.89e6						802		1.15e8				966.176
37CL-2378-TCDD	26.706	1.032	8.80e5		1.091			8403.4	1581		1.33e7				35.115
FUNCTION1 PFK			1.21e7						631197		1.36e8				
FUNCTION2 PFK			9.27e5						162479		1.11e7				0.000
FUNCTION3 PFK			1.37e6						350908		1.63e7				0.000
FUNCTION4 PFK			2.00e5						237713		6.15e6				
FUNCTION5 PFK			1.22e5						224490		5.65e6				
FUNCTION1 HXCDPE			0.00e0						411		0.00e0				
FUNCTION1 HPCDPE			7.72e1						875		1.70e3				0.000
FUNCTION2 HPCDPE			0.00e0						710		0.00e0				
FUNCTION3 OCDPE			0.00e0						673		0.00e0				
FUNCTION4 NCDPE			8.93e1						719		1.74e3				0.000
FUNCTION5 DCDPE			0.00e0						572		0.00e0				

Quantify Totals Report MassLynx 4.1 SCN 714
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

D: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

TF

	#	Name	Trace	RT	Abs.Resp	RRF M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	35	Total-tetrafurans	303.9016	27.23	187.723	0.867	0.007		0.62	0.77	YES	2.0
	1	2378-TCDF	303.9016	26.06	280116.219	0.867	10.653	10.653	0.71	0.77	NO	1563.7
	35	Total-tetrafurans	303.9016	25.87	278.961	0.867	0.011		2.20	0.77	YES	2.3
	35	Total-tetrafurans	303.9016	25.15	2813.482	0.867	0.107		0.50	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	24.97	4481.770	0.867	0.170		0.70	0.77	NO	28.5
	35	Total-tetrafurans	303.9016	24.82	2745.021	0.867	0.104		0.72	0.77	NO	16.7

PP

	#	Name	Trace	RT	Abs.Resp	RRF M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N

PF

	#	Name	Trace	RT	Abs.Resp	RRF M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	37	Total-pentafurans	339.8597	32.58	9328.655	0.877	0.408		1.40	1.55	NO	40.2
	3	23478-PeCDF	339.8597	31.56	1182485.281	0.880	56.777	56.777	1.51	1.55	NO	5605.4
	37	Total-pentafurans	339.8597	31.29	1680.418	0.877	0.074		1.62	1.55	NO	7.5
	37	Total-pentafurans	339.8597	30.62	364.192	0.877	0.016		0.67	1.55	YES	3.0
	37	Total-pentafurans	339.8597	30.41	32534.899	0.877	1.424		1.96	1.55	YES	135.6
	2	12378-PeCDF	339.8597	30.21	1446717.063	0.875	58.206	58.206	1.50	1.55	NO	6881.3
	37	Total-pentafurans	339.8597	29.85	8201.287	0.877	0.359		1.63	1.55	NO	29.4
	37	Total-pentafurans	339.8597	29.13	11836.998	0.877	0.518		1.00	1.55	YES	44.6

HF

	#	Name	Trace	RT	Abs.Resp	RRF M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	38	Total-hexafurans	373.8208	33.50	3258.372	1.030	0.181		1.34	1.24	NO	10.1
	7	123789-HxCDF	373.8208	37.46	818707.906	0.959	53.699	53.699	1.18	1.24	NO	2657.3
	5	234678-HxCDF	373.8208	36.33	962086.844	1.088	54.284	54.284	1.19	1.24	NO	3126.9
	38	Total-hexafurans	373.8208	35.96	1478.441	1.030	0.082		1.02	1.24	YES	5.1
	6	123678-HxCDF	373.8208	35.38	1156505.844	1.025	55.181	55.181	1.21	1.24	NO	3660.0
	4	123478-HxCDF	373.8208	35.23	965742.125	1.048	52.957	52.957	1.20	1.24	NO	3155.1
	38	Total-hexafurans	373.8208	35.06	2276.819	1.030	0.126		0.86	1.24	YES	6.8
	38	Total-hexafurans	373.8208	33.72	6958.980	1.030	0.386		1.02	1.24	YES	21.3

HPF

	#	Name	Trace	RT	Abs.Resp	RRF M...	pg	EMPC	1° Rati...	1° Rati...	1° R...	S/N
	9	1234789-HpCDF	407.7818	42.22	697736.750	1.200	55.033	55.033	0.98	1.05	NO	2342.2
	39	Total-heptafurans	407.7818	40.33	5509.793	1.207	0.382		1.34	1.05	YES	19.9
	39	Total-heptafurans	407.7818	40.00	3605.145	1.207	0.250		0.76	1.05	YES	14.3
	8	1234678-HpCDF	407.7818	39.52	954726.312	1.215	58.893	58.893	0.99	1.05	NO	3766.1

luantify Totals Report MassLynx 4.1 SCN 714
)ataset: P:\DIOXIN8290.PRO\130828QC.qld
ast Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
'rinted: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

): XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

'urans,TF,PP,PF,HF,HPF,OF

	35	Total-tetrafurans	303.9016	27.23	187.723	0.867	0.007		0.62	0.77	YES	2.0
	1	2378-TCDF	303.9016	26.06	280116.219	0.867	10.653	10.653	0.71	0.77	NO	1563.7
	35	Total-tetrafurans	303.9016	25.87	278.961	0.867	0.011		2.20	0.77	YES	2.3
	35	Total-tetrafurans	303.9016	25.15	2813.482	0.867	0.107		0.50	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	24.97	4481.770	0.867	0.170		0.70	0.77	NO	28.5
	35	Total-tetrafurans	303.9016	24.82	2745.021	0.867	0.104		0.72	0.77	NO	16.7
	37	Total-pentafurans	339.8597	32.58	9328.655	0.877	0.408		1.40	1.55	NO	40.2
	3	23478-PeCDF	339.8597	31.56	1182485.281	0.880	56.777	56.777	1.51	1.55	NO	5605.4
	37	Total-pentafurans	339.8597	31.29	1680.418	0.877	0.074		1.62	1.55	NO	7.5
	37	Total-pentafurans	339.8597	30.62	364.192	0.877	0.016		0.67	1.55	YES	3.0
	37	Total-pentafurans	339.8597	30.41	32534.899	0.877	1.424		1.96	1.55	YES	135.6
	2	12378-PeCDF	339.8597	30.21	1446717.063	0.875	58.206	58.206	1.50	1.55	NO	6881.3
	37	Total-pentafurans	339.8597	29.85	8201.287	0.877	0.359		1.63	1.55	NO	29.4
	37	Total-pentafurans	339.8597	29.13	11836.998	0.877	0.518		1.00	1.55	YES	44.6
	38	Total-hexafurans	373.8208	33.50	3258.372	1.030	0.181		1.34	1.24	NO	10.1
	7	123789-HxCDF	373.8208	37.46	818707.906	0.959	53.699	53.699	1.18	1.24	NO	2657.3
	5	234678-HxCDF	373.8208	36.33	962086.844	1.088	54.284	54.284	1.19	1.24	NO	3126.9
	38	Total-hexafurans	373.8208	35.96	1478.441	1.030	0.082		1.02	1.24	YES	5.1
	6	123678-HxCDF	373.8208	35.38	1156505.844	1.025	55.181	55.181	1.21	1.24	NO	3660.0
	4	123478-HxCDF	373.8208	35.23	965742.125	1.048	52.957	52.957	1.20	1.24	NO	3155.1
	38	Total-hexafurans	373.8208	35.06	2276.819	1.030	0.126		0.86	1.24	YES	6.8
	38	Total-hexafurans	373.8208	33.72	6958.980	1.030	0.386		1.02	1.24	YES	21.3
	9	1234789-HpCDF	407.7818	42.22	697736.750	1.200	55.033	55.033	0.98	1.05	NO	2342.2
	39	Total-heptafurans	407.7818	40.33	5509.793	1.207	0.382		1.34	1.05	YES	19.9
	39	Total-heptafurans	407.7818	40.00	3605.145	1.207	0.250		0.76	1.05	YES	14.3
	8	1234678-HpCDF	407.7818	39.52	954726.312	1.215	58.893	58.893	0.99	1.05	NO	3766.1
	10	OCDF	441 7428	47.51	1028614.375	1.064	107.993	107....	0.88	0.89	NO	3633.8

'D

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Ratio	1° Rati...	1° R...	S/N
	11	2378-TCDD	319.8965	26.71	206698.125	0.994	10.752	10.752	0.77	0.77	NO	1695.6
	41	Total-tetradioxins	319.8965	26.33	7490.565	0.994	0.390		0.75	0.77	NO	46.1
	41	Total-tetradioxins	319.8965	25.06	863.993	0.994	0.045		1.30	0.77	YES	9.4
	41	Total-tetradioxins	319.8965	24.82	958.415	0.994	0.050		1.07	0.77	YES	8.6
	41	Total-tetradioxins	319.8965	24.30	528.318	0.994	0.027		0.67	0.77	NO	5.4

'D

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Ratio	1° Rati...	1° R...	S/N
	42	Total-pentadioxins	355.8546	32.22	1038.763	0.976	0.067		1.07	1.55	YES	5.0
	12	12378-PeCDD	355.8546	31.80	809364.438	0.976	52.436	52.436	1.54	1.55	NO	3690.9
	42	Total-pentadioxins	355.8546	31.12	2008.547	0.976	0.130		1.12	1.55	YES	6.6
	42	Total-pentadioxins	355.8546	30.75	1063.502	0.976	0.069		2.45	1.55	YES	5.5
	42	Total-pentadioxins	355.8546	30.43	1981.569	0.976	0.128		1.43	1.55	NO	8.4
	42	Total-pentadioxins	355.8546	30.22	2524.582	0.976	0.164		1.36	1.55	NO	8.6
	42	Total-pentadioxins	355.8546	29.59	1219.591	0.976	0.079		2.97	1.55	YES	8.5
	42	Total-pentadioxins	355.8546	29.12	1640.945	0.976	0.106		1.50	1.55	NO	8.8
	42	Total-pentadioxins	355.8546	29.08	988.741	0.976	0.064		1.89	1.55	YES	7.9

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HD

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	T' Rati...	T' Rati...	T' R...	S/N
	43	Total-hexadioxins	389.8157	34.30	7455.837	0.928	0.521		1.41	1.24	NO	43.1
	15	123789-HxCDD	389.8157	37.01	779534.031	0.914	55.277	55.277	1.23	1.24	NO	4211.0
	43	Total-hexadioxins	389.8157	36.77	533.289	0.928	0.037		0.70	1.24	YES	5.6
	14	123678-HxCDD	389.8157	36.58	758978.375	0.902	54.456	54.456	1.24	1.24	NO	4317.0
	13	123478-HxCDD	389.8157	36.45	797581.563	0.967	53.563	53.563	1.24	1.24	NO	4493.2
	43	Total-hexadioxins	389.8157	35.61	1100.636	0.928	0.077		0.84	1.24	YES	6.1
	43	Total-hexadioxins	389.8157	35.50	4690.179	0.928	0.328		0.83	1.24	YES	25.1
	43	Total-hexadioxins	389.8157	35.46	2680.157	0.928	0.187		2.21	1.24	YES	23.7
	43	Total-hexadioxins	389.8157	35.10	1811.530	0.928	0.127		1.94	1.24	YES	12.7

HPD

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	T' Rati...	T' Rati...	T' R...	S/N
	44	Total-heptadioxins	423.7766	41.56	637.893	0.999	0.052					5.6
	16	1234678-HpCDD	423.7766	41.33	655933.501	0.999	53.863	53.863	1.04	1.05	NO	2322.1
	44	Total-heptadioxins	423.7766	40.07	32997.644	0.999	2.710		1.07	1.05	NO	135.3

Dioxins,TD,PD,HD,HPD,OD

	#	Name	Trace	RT	Abs Resp	RRF M...	ng	EMPC	T' Rati...	T' Rati...	T' R...	S/N
	11	2378-TCDD	319.8965	26.71	206698.125	0.994	10.752	10.752	0.77	0.77	NO	1695.6
	41	Total-tetradioxins	319.8965	26.33	7490.565	0.994	0.390		0.75	0.77	NO	46.1
	41	Total-tetradioxins	319.8965	25.06	863.993	0.994	0.045		1.30	0.77	YES	9.4
	41	Total-tetradioxins	319.8965	24.82	958.415	0.994	0.050		1.07	0.77	YES	8.6
	41	Total-tetradioxins	319.8965	24.30	528.318	0.994	0.027		0.67	0.77	NO	5.4
	42	Total-pentadioxins	355.8546	32.22	1038.763	0.976	0.067		1.07	1.55	YES	5.0
	12	12378-PeCDD	355.8546	31.80	809364.438	0.976	52.436	52.436	1.54	1.55	NO	3690.9
	42	Total-pentadioxins	355.8546	31.12	2008.547	0.976	0.130		1.12	1.55	YES	6.6
	42	Total-pentadioxins	355.8546	30.75	1063.502	0.976	0.069		2.45	1.55	YES	5.5
	42	Total-pentadioxins	355.8546	30.43	1981.569	0.976	0.128		1.43	1.55	NO	8.4
	42	Total-pentadioxins	355.8546	30.22	2524.582	0.976	0.164		1.36	1.55	NO	8.6
	42	Total-pentadioxins	355.8546	29.59	1219.591	0.976	0.079		2.97	1.55	YES	8.5
	42	Total-pentadioxins	355.8546	29.12	1640.945	0.976	0.106		1.50	1.55	NO	8.8
	42	Total-pentadioxins	355.8546	29.08	988.741	0.976	0.064		1.89	1.55	YES	7.9
	43	Total-hexadioxins	389.8157	34.30	7455.837	0.928	0.521		1.41	1.24	NO	43.1
	15	123789-HxCDD	389.8157	37.01	779534.031	0.914	55.277	55.277	1.23	1.24	NO	4211.0
	43	Total-hexadioxins	389.8157	36.77	533.289	0.928	0.037		0.70	1.24	YES	5.6
	14	123678-HxCDD	389.8157	36.58	758978.375	0.902	54.456	54.456	1.24	1.24	NO	4317.0
	13	123478-HxCDD	389.8157	36.45	797581.563	0.967	53.563	53.563	1.24	1.24	NO	4493.2
	43	Total-hexadioxins	389.8157	35.61	1100.636	0.928	0.077		0.84	1.24	YES	6.1
	43	Total-hexadioxins	389.8157	35.50	4690.179	0.928	0.328		0.83	1.24	YES	25.1
	43	Total-hexadioxins	389.8157	35.46	2680.157	0.928	0.187		2.21	1.24	YES	23.7
	43	Total-hexadioxins	389.8157	35.10	1811.530	0.928	0.127		1.94	1.24	YES	12.7
	44	Total-heptadioxins	423.7766	41.56	637.893	0.999	0.052					5.6
	16	1234678-HpCDD	423.7766	41.33	655933.501	0.999	53.863	53.863	1.04	1.05	NO	2322.1
	44	Total-heptadioxins	423.7766	40.07	32997.644	0.999	2.710		1.07	1.05	NO	135.3
	17	OCDD	457.7377	47.24	983065.781	0.979	112.190	112....	0.89	0.89	NO	4138.1

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TotalTEQ,Furans,Dioxins

		Name	Trace	RT	Area	RRF M...	pg	EMPC	T. Ratio	Ion Ratio	Flags	Conc
	35	Total-tetrafurans	303.9016	27.23	187.723	0.867	0.007		0.62	0.77	YES	2.0
	1	2378-TCDF	303.9016	26.06	280116.219	0.867	10.653	10.653	0.71	0.77	NO	1563.7
	35	Total-tetrafurans	303.9016	25.87	278.961	0.867	0.011		2.20	0.77	YES	2.3
	35	Total-tetrafurans	303.9016	25.15	2813.482	0.867	0.107		0.50	0.77	YES	13.9
	35	Total-tetrafurans	303.9016	24.97	4481.770	0.867	0.170		0.70	0.77	NO	28.5
	35	Total-tetrafurans	303.9016	24.82	2745.021	0.867	0.104		0.72	0.77	NO	16.7
	37	Total-pentafurans	339.8597	32.58	9328.655	0.877	0.408		1.40	1.55	NO	40.2
	3	23478-PeCDF	339.8597	31.56	1182485.281	0.880	56.777	56.777	1.51	1.55	NO	5605.4
	37	Total-pentafurans	339.8597	31.29	1680.418	0.877	0.074		1.62	1.55	NO	7.5
	37	Total-pentafurans	339.8597	30.62	364.192	0.877	0.016		0.67	1.55	YES	3.0
	37	Total-pentafurans	339.8597	30.41	32534.899	0.877	1.424		1.96	1.55	YES	135.6
	2	12378-PeCDF	339.8597	30.21	1446717.063	0.875	58.206	58.206	1.50	1.55	NO	6881.3
	37	Total-pentafurans	339.8597	29.85	8201.287	0.877	0.359		1.63	1.55	NO	29.4
	37	Total-pentafurans	339.8597	29.13	11836.998	0.877	0.518		1.00	1.55	YES	44.6
	38	Total-hexafurans	373.8208	33.50	3258.372	1.030	0.181		1.34	1.24	NO	10.1
	7	123789-HxCDF	373.8208	37.46	818707.906	0.959	53.699	53.699	1.18	1.24	NO	2657.3
	5	234678-HxCDF	373.8208	36.33	962086.844	1.088	54.284	54.284	1.19	1.24	NO	3126.9
	38	Total-hexafurans	373.8208	35.96	1478.441	1.030	0.082		1.02	1.24	YES	5.1
	6	123678-HxCDF	373.8208	35.38	1156505.844	1.025	55.181	55.181	1.21	1.24	NO	3660.0
	4	123478-HxCDF	373.8208	35.23	965742.125	1.048	52.957	52.957	1.20	1.24	NO	3155.1
	38	Total-hexafurans	373.8208	35.06	2276.819	1.030	0.126		0.86	1.24	YES	6.8
	38	Total-hexafurans	373.8208	33.72	6958.980	1.030	0.386		1.02	1.24	YES	21.3
	9	1234789-HpCDF	407.7818	42.22	697736.750	1.200	55.033	55.033	0.98	1.05	NO	2342.2
	39	Total-heptafurans	407.7818	40.33	5509.793	1.207	0.382		1.34	1.05	YES	19.9
	39	Total-heptafurans	407.7818	40.00	3605.145	1.207	0.250		0.76	1.05	YES	14.3
	8	1234678-HpCDF	407.7818	39.52	954726.312	1.215	58.893	58.893	0.99	1.05	NO	3766.1
	10	OCDF	441.7428	47.51	1028614.375	1.064	107.993	107....	0.88	0.89	NO	3633.8
	11	2378-TCDD	319.8965	26.71	206698.125	0.994	10.752	10.752	0.77	0.77	NO	1695.6
	41	Total-tetradioxins	319.8965	26.33	7490.565	0.994	0.390		0.75	0.77	NO	46.1
	41	Total-tetradioxins	319.8965	25.06	863.993	0.994	0.045		1.30	0.77	YES	9.4
	41	Total-tetradioxins	319.8965	24.82	958.415	0.994	0.050		1.07	0.77	YES	8.6
	41	Total-tetradioxins	319.8965	24.30	528.318	0.994	0.027		0.67	0.77	NO	5.4
	42	Total-pentadioxins	355.8546	32.22	1038.763	0.976	0.067		1.07	1.55	YES	5.0
	12	12378-PeCDD	355.8546	31.80	809364.438	0.976	52.436	52.436	1.54	1.55	NO	3690.9
	42	Total-pentadioxins	355.8546	31.12	2008.547	0.976	0.130		1.12	1.55	YES	6.6
	42	Total-pentadioxins	355.8546	30.75	1063.502	0.976	0.069		2.45	1.55	YES	5.5
	42	Total-pentadioxins	355.8546	30.43	1981.569	0.976	0.128		1.43	1.55	NO	8.4
	42	Total-pentadioxins	355.8546	30.22	2524.582	0.976	0.164		1.36	1.55	NO	8.6
	42	Total-pentadioxins	355.8546	29.59	1219.591	0.976	0.079		2.97	1.55	YES	8.5
	42	Total-pentadioxins	355.8546	29.12	1640.945	0.976	0.106		1.50	1.55	NO	8.8
	42	Total-pentadioxins	355.8546	29.08	988.741	0.976	0.064		1.89	1.55	YES	7.9
	43	Total-hexadioxins	389.8157	34.30	7455.837	0.928	0.521		1.41	1.24	NO	43.1
	15	123789-HxCDD	389.8157	37.01	779534.031	0.914	55.277	55.277	1.23	1.24	NO	4211.0
	43	Total-hexadioxins	389.8157	36.77	533.289	0.928	0.037		0.70	1.24	YES	5.6
	14	123678-HxCDD	389.8157	36.58	758978.375	0.902	54.456	54.456	1.24	1.24	NO	4317.0
	13	123478-HxCDD	389.8157	36.45	797581.563	0.967	53.563	53.563	1.24	1.24	NO	4493.2
	43	Total-hexadioxins	389.8157	35.61	1100.636	0.928	0.077		0.84	1.24	YES	6.1
	43	Total-hexadioxins	389.8157	35.50	4690.179	0.928	0.328		0.83	1.24	YES	25.1
	43	Total-hexadioxins	389.8157	35.46	2680.157	0.928	0.187		2.21	1.24	YES	23.7

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otalTEQ,Furans,Dioxins

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	I.S.	S/N
	43	Total-hexadioxins	389.8157	35.10	1811.530	0.928	0.127		1.94	1.24	YES	12.7
	44	Total-heptadioxins	423.7766	41.56	637.893	0.999	0.052					5.6
	16	1234678-HpCDD	423.7766	41.33	655933.501	0.999	53.863	53.863	1.04	1.05	NO	2322.1
	44	Total-heptadioxins	423.7766	40.07	32997.644	0.999	2.710		1.07	1.05	NO	135.3
	17	OCDD	457.7377	47.24	983065.781	0.979	112.190	112....	0.89	0.89	NO	4138.1

FK1

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	I.S.	S/N
	48	FUNCTION1 PFK	330.9792	26.87	0.000							6.4
	48	FUNCTION1 PFK	330.9792	26.57	0.000							6.8
	48	FUNCTION1 PFK	330.9792	26.35	0.000							6.0
	48	FUNCTION1 PFK	330.9792	26.00	0.000							11.1
	48	FUNCTION1 PFK	330.9792	25.78	0.000							4.2
	48	FUNCTION1 PFK	330.9792	25.53	0.000							6.9
	48	FUNCTION1 PFK	330.9792	25.17	0.000							5.0
	48	FUNCTION1 PFK	330.9792	24.30	0.000							14.0
	48	FUNCTION1 PFK	330.9792	23.87	0.000							3.3
	48	FUNCTION1 PFK	330.9792	23.14	0.000							7.6
	48	FUNCTION1 PFK	330.9792	21.95	0.000							4.9
	48	FUNCTION1 PFK	330.9792	21.69	0.000							17.5
	48	FUNCTION1 PFK	330.9792	21.63	0.000							21.2
	48	FUNCTION1 PFK	330.9792	21.42	0.000							12.8
	48	FUNCTION1 PFK	330.9792	27.90	0.000							22.4
	48	FUNCTION1 PFK	330.9792	27.74	0.000							11.0
	48	FUNCTION1 PFK	330.9792	27.56	0.000							21.2
	48	FUNCTION1 PFK	330.9792	27.20	0.000							14.6
	48	FUNCTION1 PFK	330.9792	27.09	0.000							18.3

FK2

	#	Name	Trace	RT	Abs Resp	RRF M...	pg	EMPC	1° Rat...	2° Rat...	I.S.	S/N
	49	FUNCTION2 PFK	366.9792	32.91	0.000		0.000					9.4
	49	FUNCTION2 PFK	366.9792	32.34	0.000		0.000					5.6
	49	FUNCTION2 PFK	366.9792	32.03	0.000		0.000					10.0
	49	FUNCTION2 PFK	366.9792	30.48	0.000		0.000					8.5
	49	FUNCTION2 PFK	366.9792	30.20	0.000		0.000					7.1
	49	FUNCTION2 PFK	366.9792	29.98	0.000		0.000					7.1
	49	FUNCTION2 PFK	366.9792	29.91	0.000		0.000					7.1
	49	FUNCTION2 PFK	366.9792	29.76	0.000		0.000					5.1
	49	FUNCTION2 PFK	366.9792	28.47	0.000		0.000					8.1

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PFK3

	50	FUNCTION3 PFK	380.9760	37.29	0.000		0.000				2.3
	50	FUNCTION3 PFK	380.9760	35.96	0.000		0.000				16.2
	50	FUNCTION3 PFK	380.9760	35.42	0.000		0.000				12.4
	50	FUNCTION3 PFK	380.9760	34.81	0.000		0.000				5.6
	50	FUNCTION3 PFK	380.9760	34.03	0.000		0.000				10.0

PFK4

	51	FUNCTION4 PFK	430.9728	41.26	0.000						1.4
	51	FUNCTION4 PFK	430.9728	41.11	0.000						0.5
	51	FUNCTION4 PFK	430.9728	40.72	0.000						1.0
	51	FUNCTION4 PFK	430.9728	40.41	0.000						1.0
	51	FUNCTION4 PFK	430.9728	40.36	0.000						0.4
	51	FUNCTION4 PFK	430.9728	39.51	0.000						0.5
	51	FUNCTION4 PFK	430.9728	39.21	0.000						0.8
	51	FUNCTION4 PFK	430.9728	39.01	0.000						0.6
	51	FUNCTION4 PFK	430.9728	38.73	0.000						0.8
	51	FUNCTION4 PFK	430.9728	38.70	0.000						0.6
	51	FUNCTION4 PFK	430.9728	44.78	0.000						0.9
	51	FUNCTION4 PFK	430.9728	44.69	0.000						1.3
	51	FUNCTION4 PFK	430.9728	44.54	0.000						0.5
	51	FUNCTION4 PFK	430.9728	44.14	0.000						2.1
	51	FUNCTION4 PFK	430.9728	44.05	0.000						0.8
	51	FUNCTION4 PFK	430.9728	44.00	0.000						1.1
	51	FUNCTION4 PFK	430.9728	43.53	0.000						0.6
	51	FUNCTION4 PFK	430.9728	42.81	0.000						0.9
	51	FUNCTION4 PFK	430.9728	42.59	0.000						1.4
	51	FUNCTION4 PFK	430.9728	42.31	0.000						1.5
	51	FUNCTION4 PFK	430.9728	41.95	0.000						0.5
	51	FUNCTION4 PFK	430.9728	41.63	0.000						0.7
	51	FUNCTION4 PFK	430.9728	41.57	0.000						1.7
	51	FUNCTION4 PFK	430.9728	41.50	0.000						1.7
	51	FUNCTION4 PFK	430.9728	41.33	0.000						2.6

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PFK5

	#	Name	Trace	RT	Abs Resp	RRF M...	...pg	S/N
	52	FUNCTION5 PFK	480.9696	47.22	0.000			1.4
	52	FUNCTION5 PFK	480.9696	47.17	0.000			1.3
	52	FUNCTION5 PFK	480.9696	46.81	0.000			0.6
	52	FUNCTION5 PFK	480.9696	46.77	0.000			1.2
	52	FUNCTION5 PFK	480.9696	46.62	0.000			0.9
	52	FUNCTION5 PFK	480.9696	46.57	0.000			1.0
	52	FUNCTION5 PFK	480.9696	46.39	0.000			0.6
	52	FUNCTION5 PFK	480.9696	46.15	0.000			1.3
	52	FUNCTION5 PFK	480.9696	45.91	0.000			0.6
	52	FUNCTION5 PFK	480.9696	45.61	0.000			0.8
	52	FUNCTION5 PFK	480.9696	45.51	0.000			0.4
	52	FUNCTION5 PFK	480.9696	45.43	0.000			0.9
	52	FUNCTION5 PFK	480.9696	45.40	0.000			0.6
	52	FUNCTION5 PFK	480.9696	45.36	0.000			0.6
	52	FUNCTION5 PFK	480.9696	45.25	0.000			0.7
	52	FUNCTION5 PFK	480.9696	45.13	0.000			0.8
	52	FUNCTION5 PFK	480.9696	48.77	0.000			0.5
	52	FUNCTION5 PFK	480.9696	48.56	0.000			0.9
	52	FUNCTION5 PFK	480.9696	48.36	0.000			1.3
	52	FUNCTION5 PFK	480.9696	48.28	0.000			1.1
	52	FUNCTION5 PFK	480.9696	48.12	0.000			1.0
	52	FUNCTION5 PFK	480.9696	48.09	0.000			0.6
	52	FUNCTION5 PFK	480.9696	47.95	0.000			0.7
	52	FUNCTION5 PFK	480.9696	47.80	0.000			0.7
	52	FUNCTION5 PFK	480.9696	47.62	0.000			1.0
	52	FUNCTION5 PFK	480.9696	47.49	0.000			1.2
	52	FUNCTION5 PFK	480.9696	47.37	0.000			0.8
	52	FUNCTION5 PFK	480.9696	47.25	0.000			1.5

ETHERS1

	#	Name	Trace	RT	Abs Resp	RRF M...	...pg	S/N

ETHERS2

	#	Name	Trace	RT	Abs Resp	RRF M...	...pg	S/N
	54	FUNCTION1 HPCD...	409.7974	28.04	0.000		0.000	1.9

ETHERS3

	#	Name	Trace	RT	Abs Resp	RRF M...	...pg	S/N

ETHERS4

	#	Name	Trace	RT	Abs Resp	RRF M...	...pg	S/N

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Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
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D: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

ETHERS5

	#	Name	Ratio	RT	Abs Resp	RRF M/L	pg	EMPC	1 Ratio	2 Ratio	M/Z	S/N
	57	FUNCTION4 NCDPE	479.7165	40.95	0.000		0.000					2.4

ETHERS6

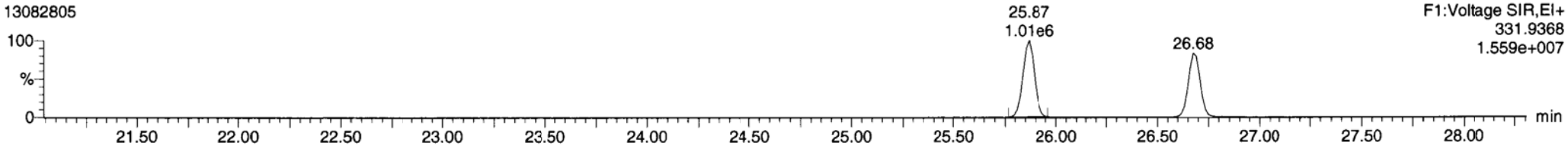
	#	Name	Ratio	RT	Abs Resp	RRF M/L	pg	EMPC	1 Ratio	2 Ratio	M/Z	S/N

Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

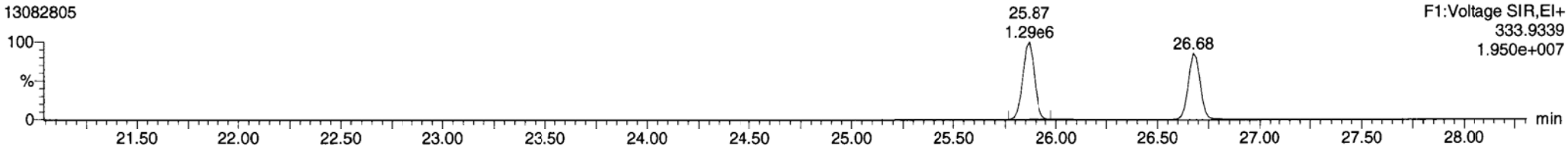
Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



13C-1234-TCDD



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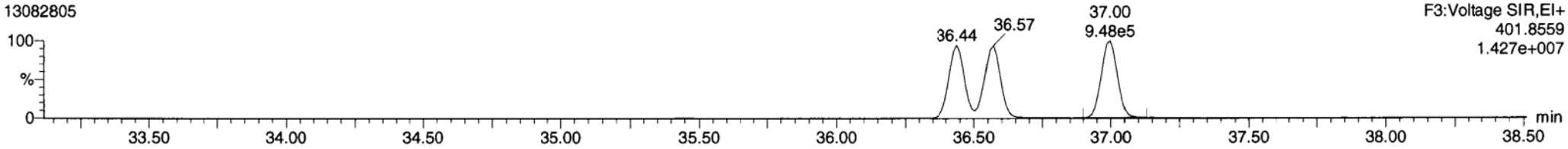

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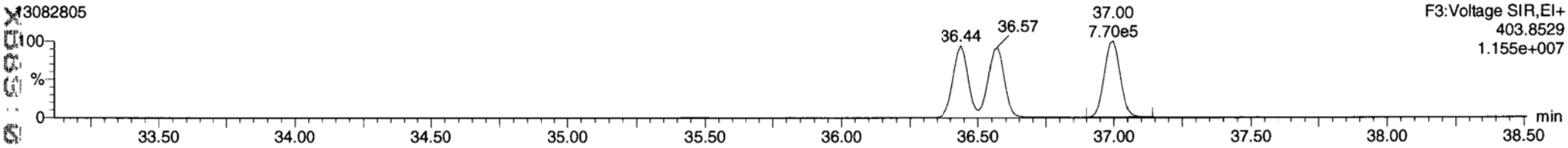
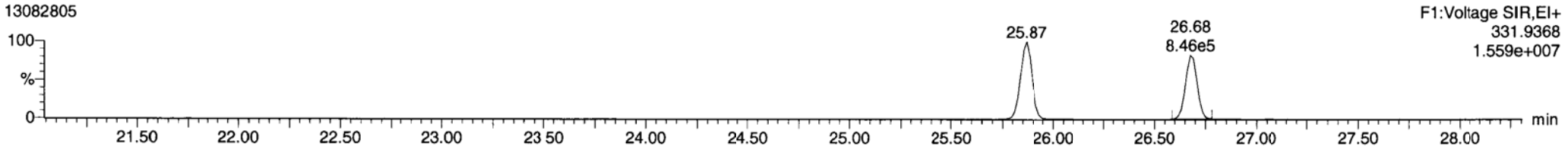


Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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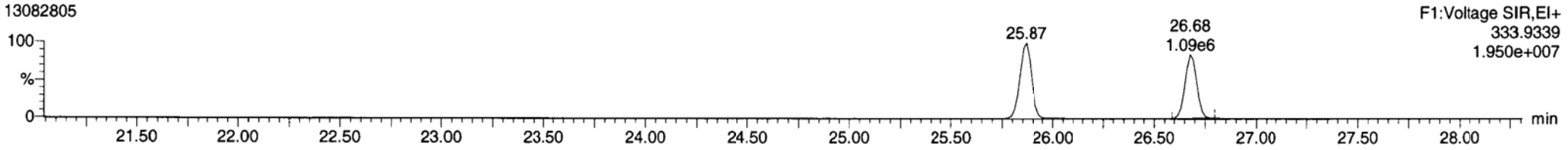
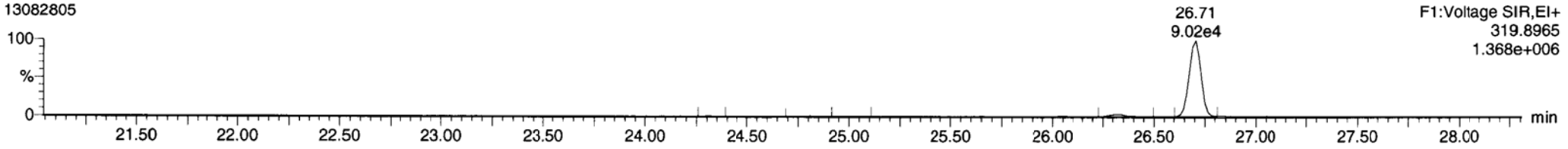
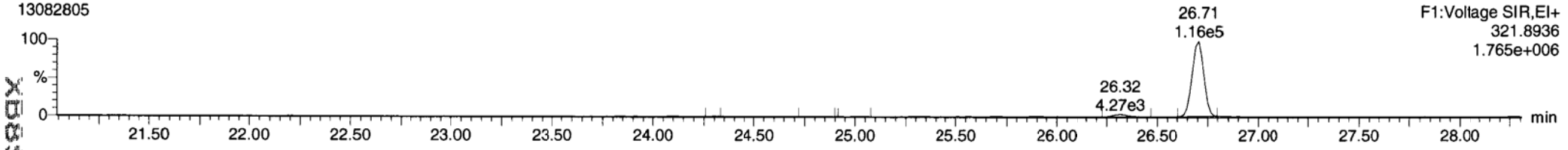


Total-tetradioxins

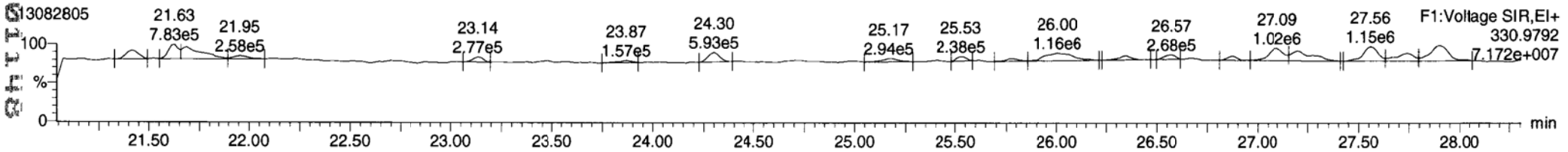


Total-tetradioxins



XB89OPR 1 42

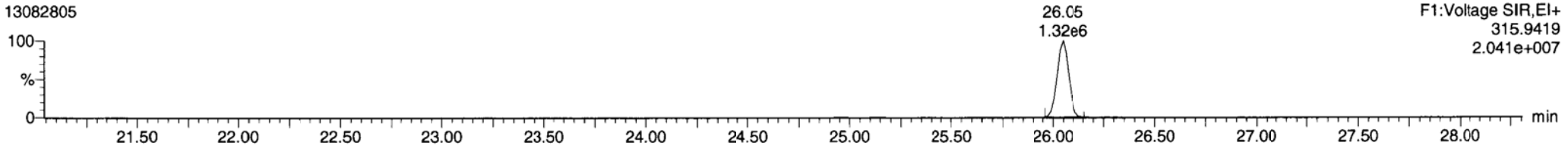
FUNCTION1 PFK



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDF



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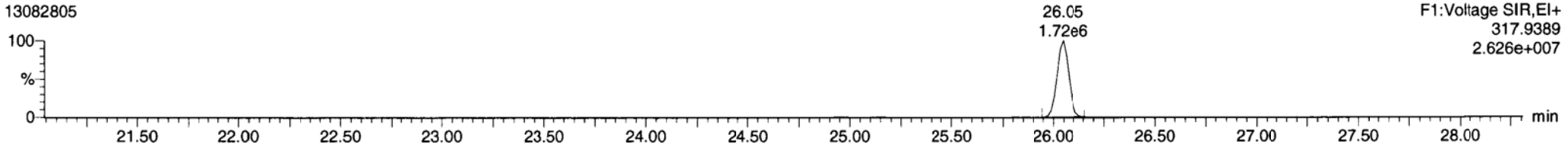
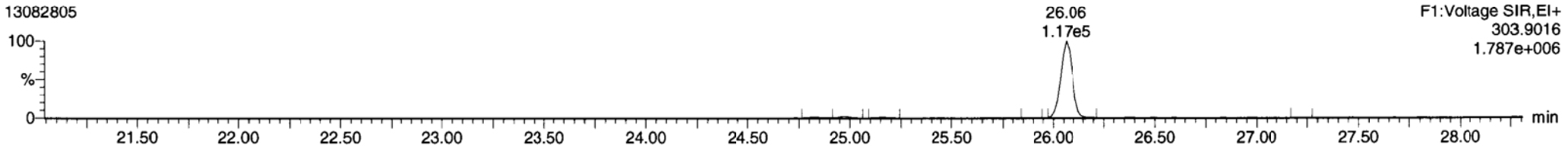
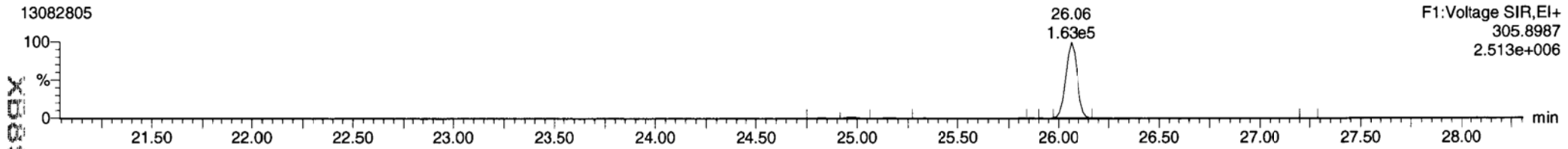


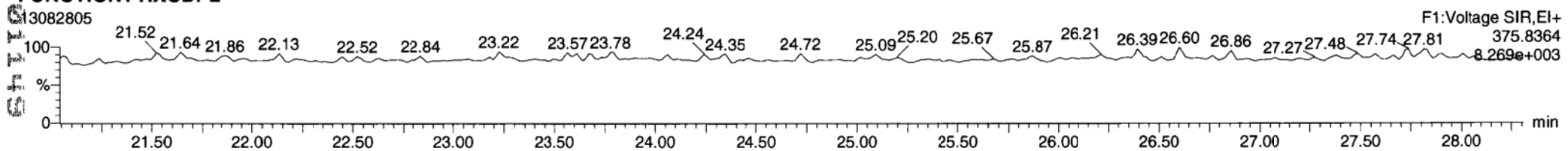
Total-tetrafurans



Total-tetrafurans



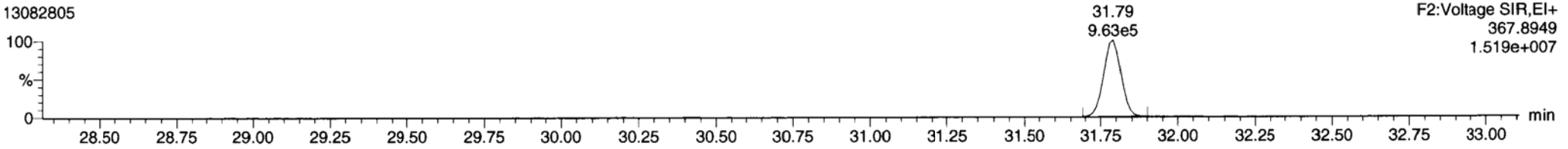
FUNCTION1 HXCDPE



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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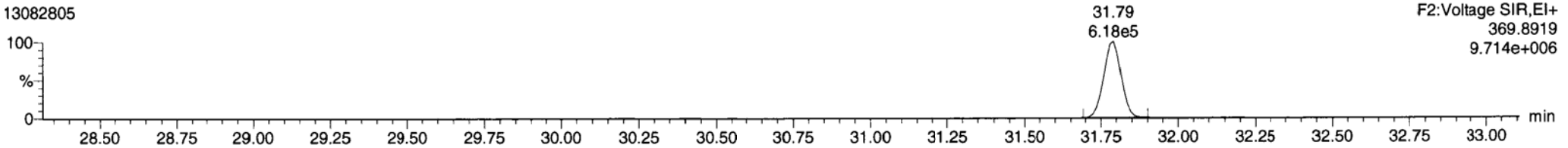
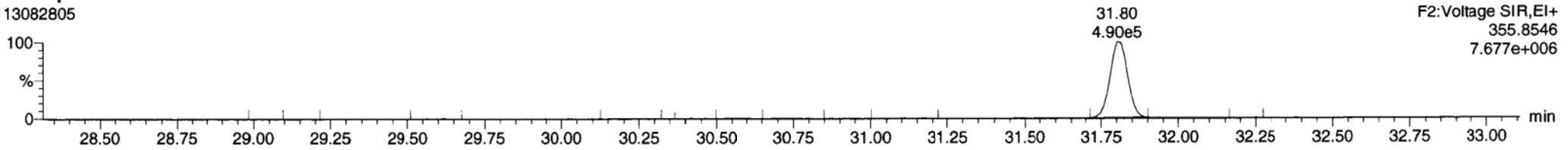
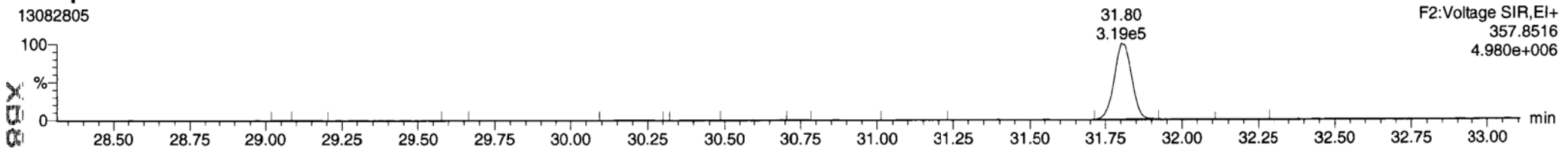


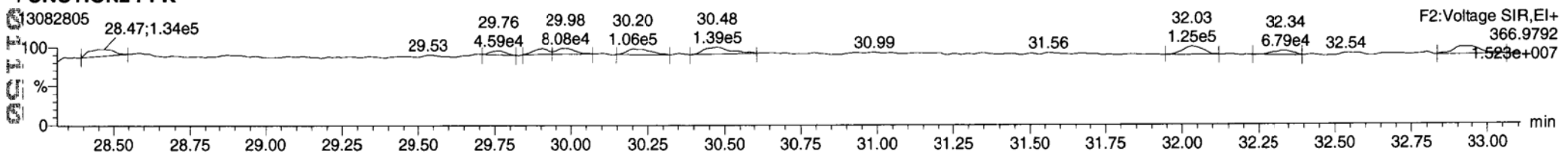
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
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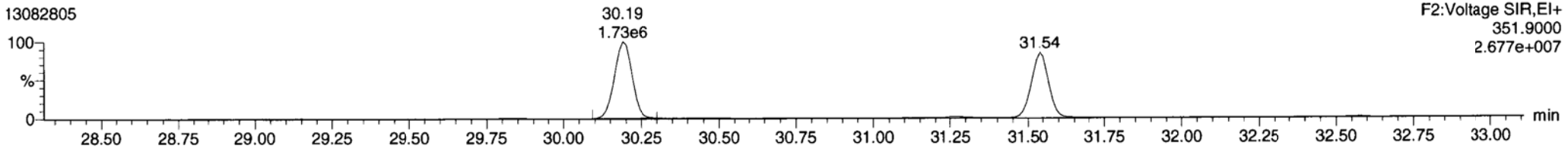
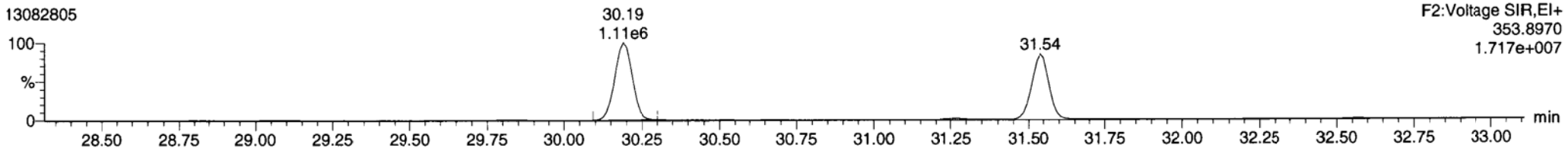
ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



13C-12378-PeCDF



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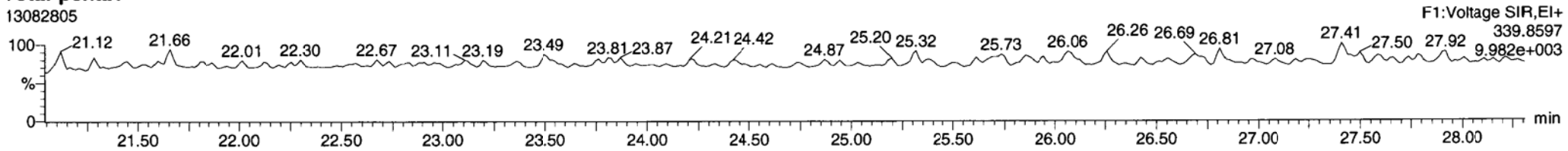

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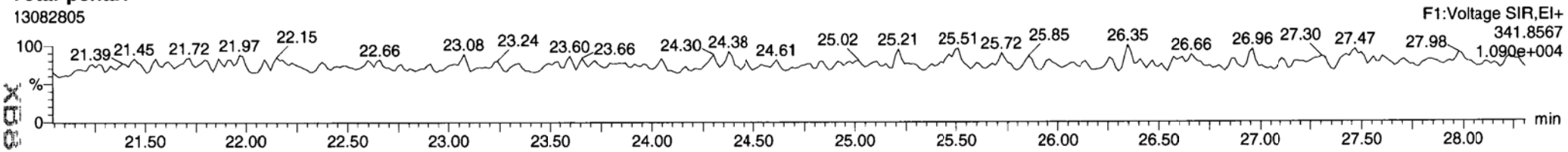
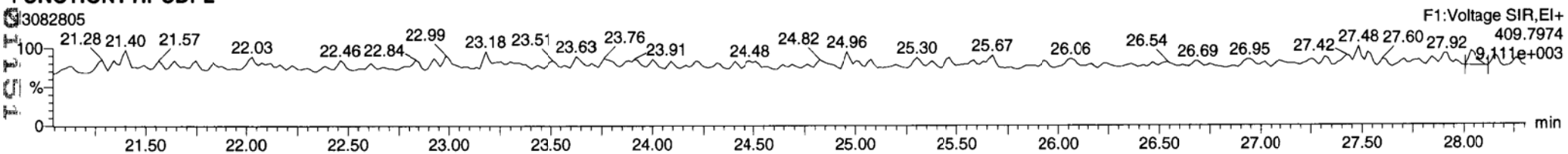


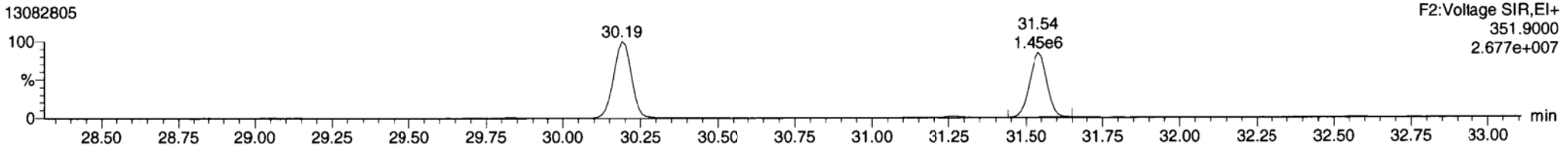
FUNCTION1 HPCDPE



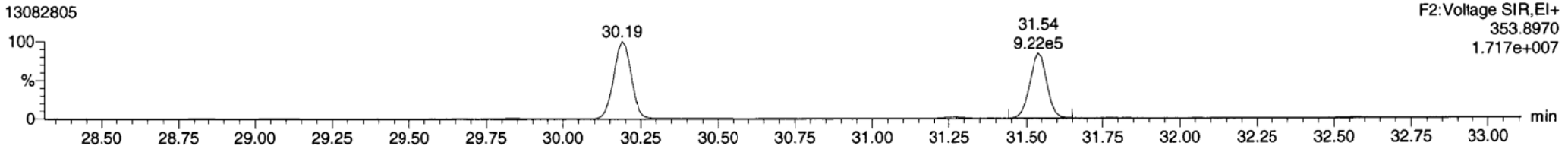
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

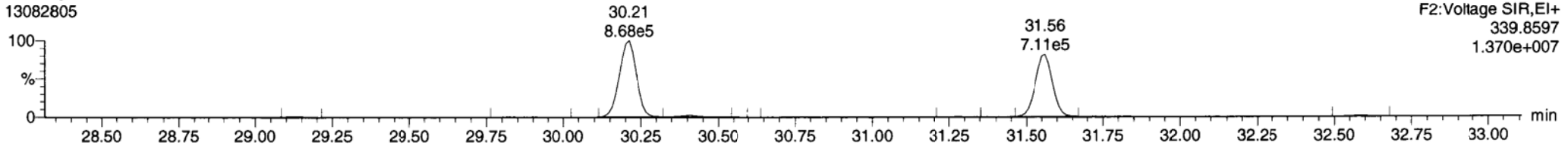
13C-23478-PeCDF



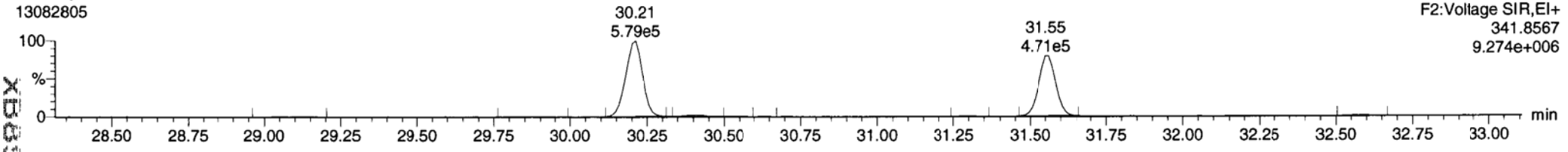
13C-23478-PeCDF



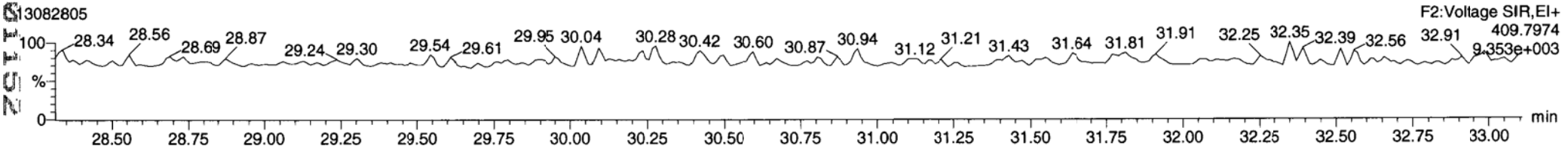
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
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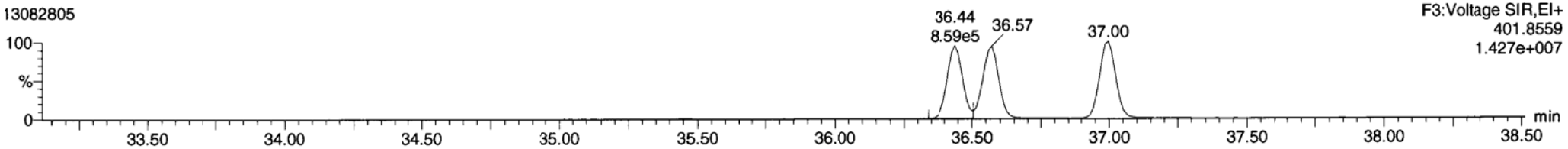
ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

13C-123478-HxCDD



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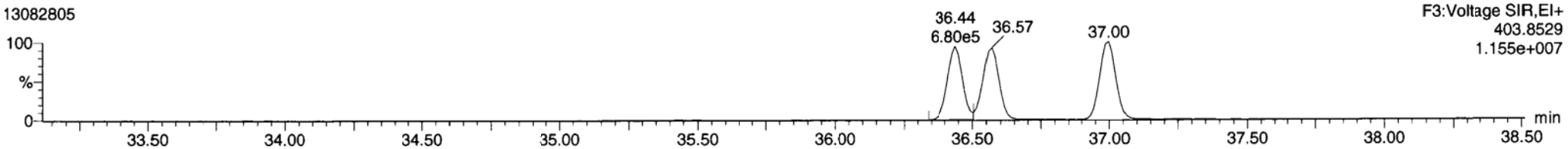
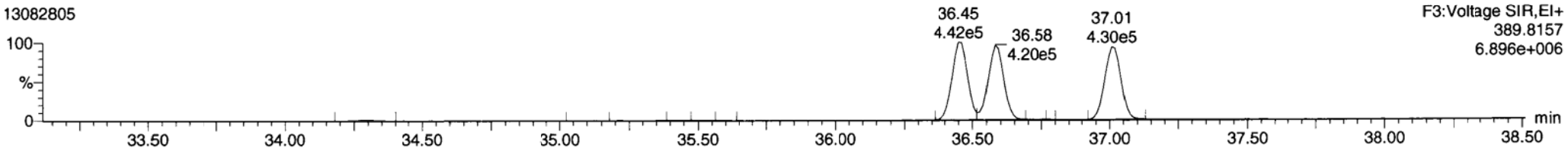
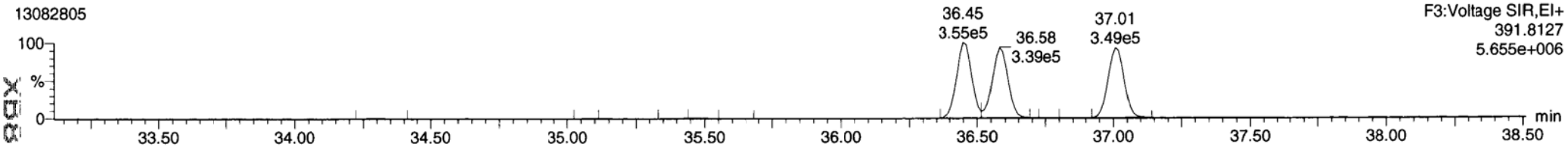


Total-hexadioxins

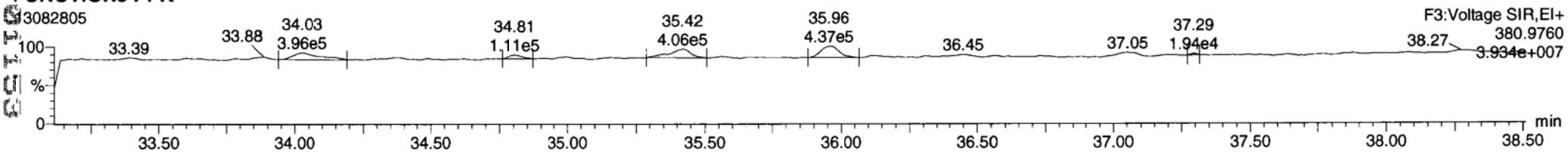


Total-hexadioxins



XB89OPR 130828QC 1 55

FUNCTION3 PFK



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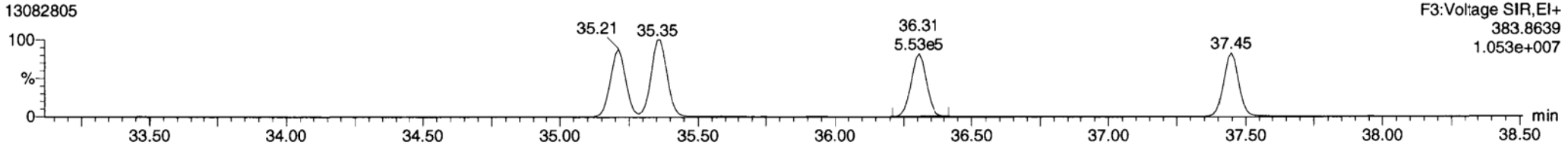
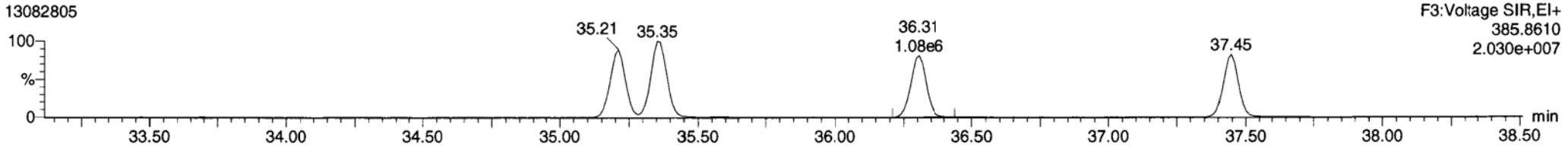
ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

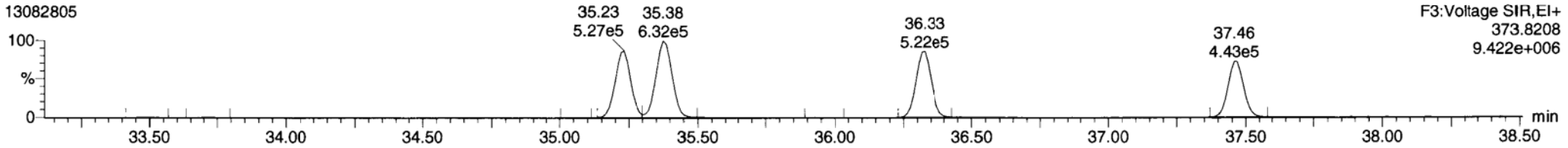
13C-234678-HxCDF



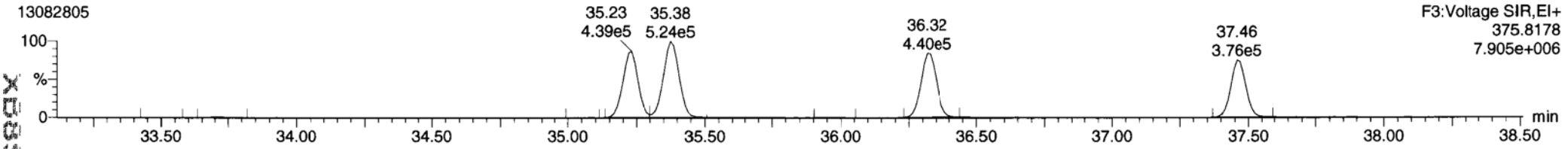
13C-234678-HxCDF



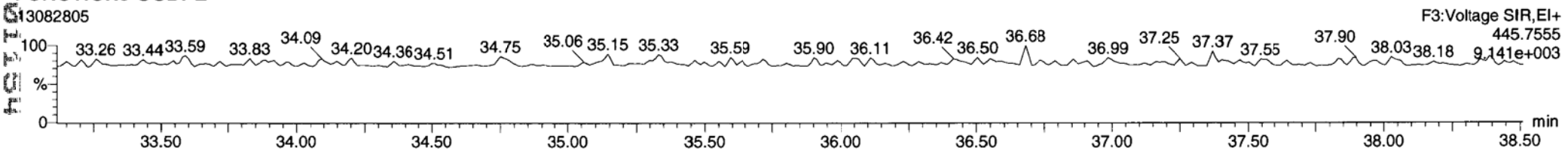
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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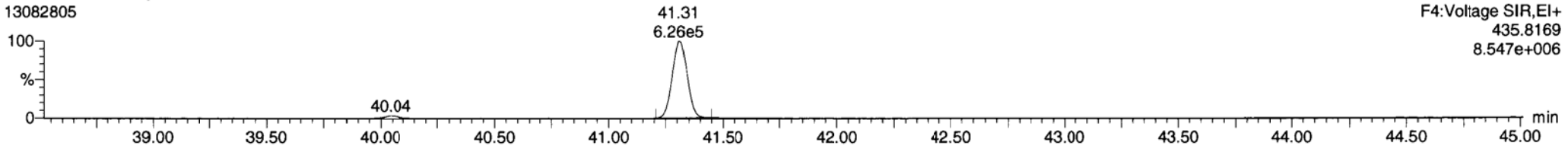
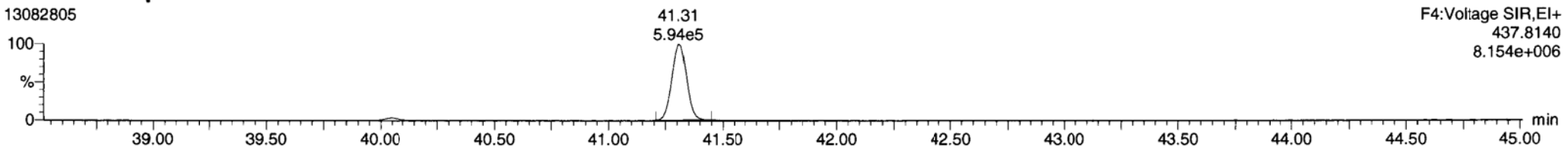
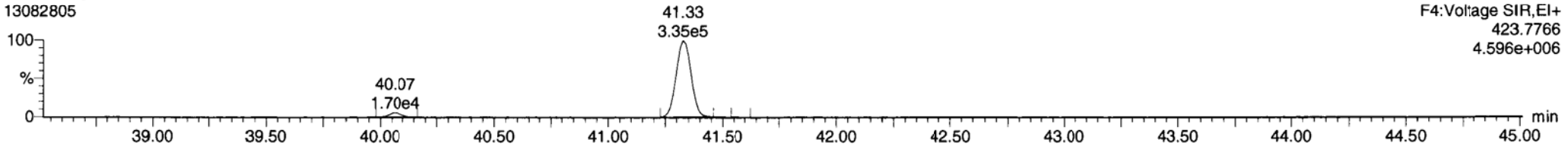
13C-1234678-HpCDD



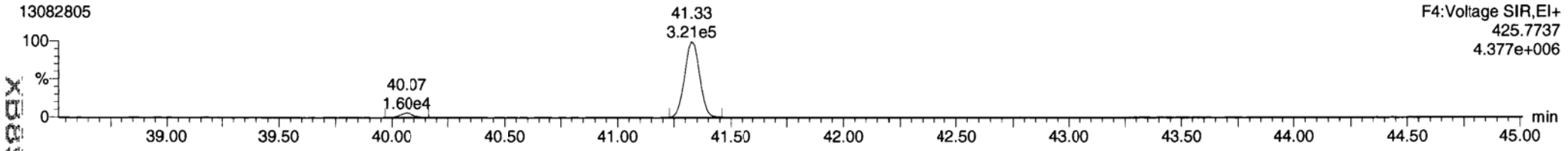
13C-1234678-HpCDD



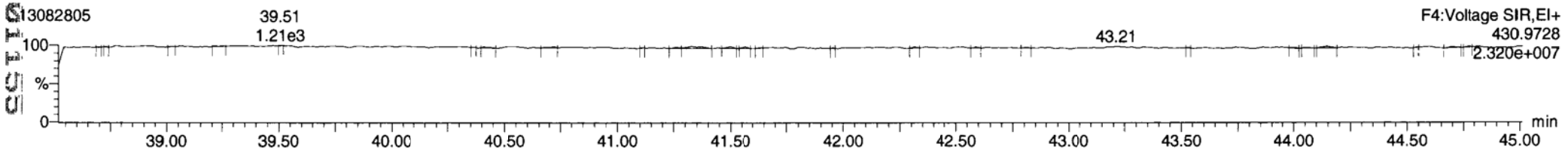
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
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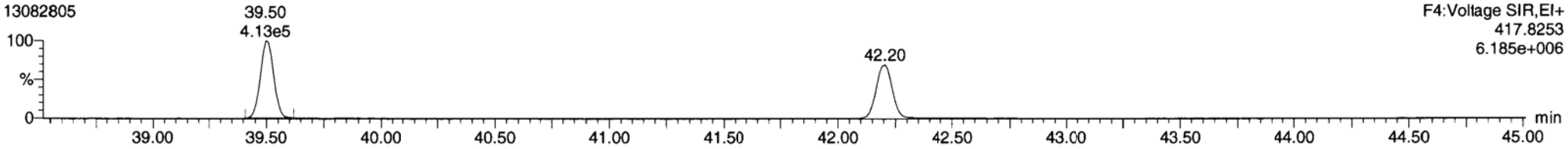
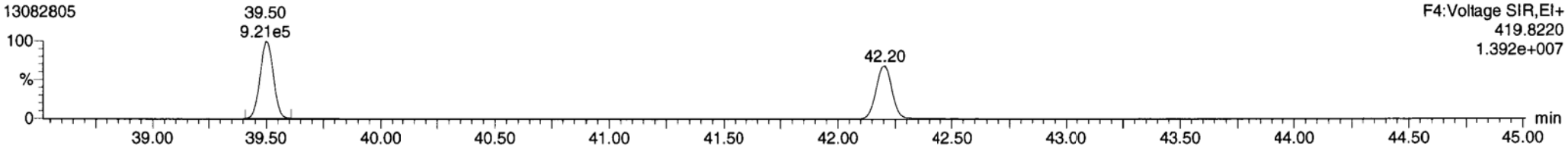
ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

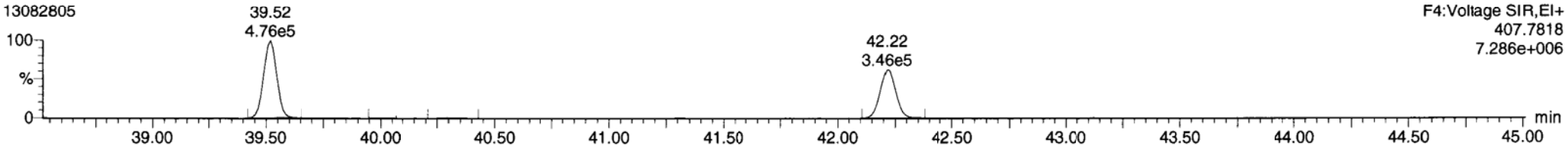
13C-1234678-HpCDF



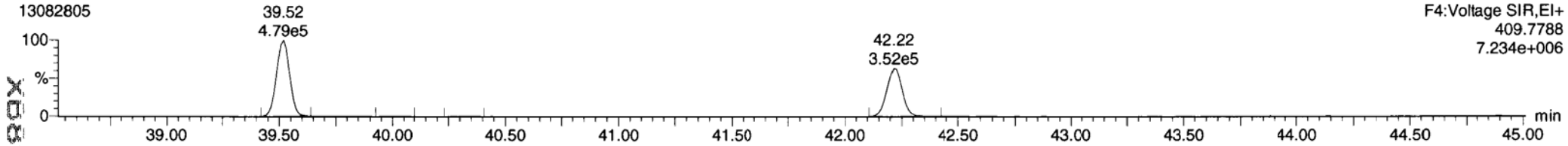
13C-1234678-HpCDF



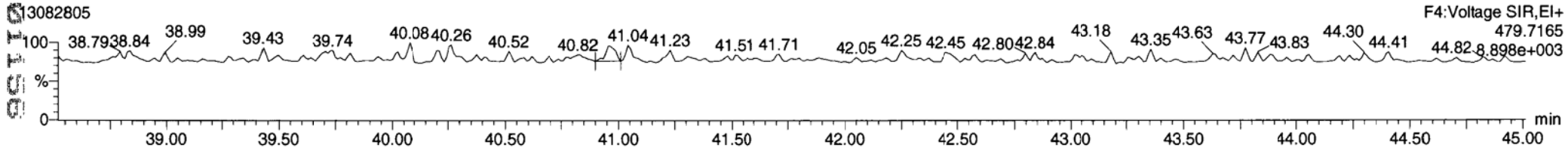
Total-heptafurans



Total-heptafurans



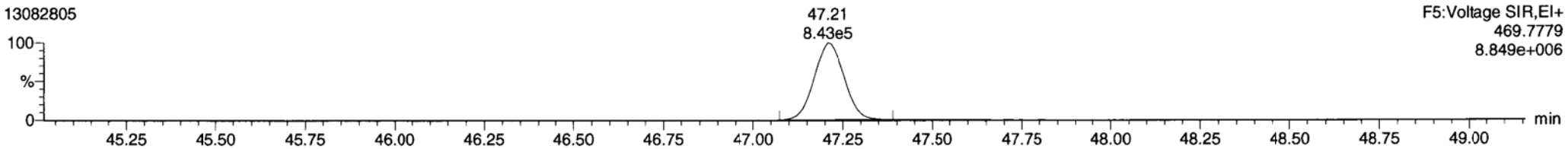
FUNCTION4 NCDPE



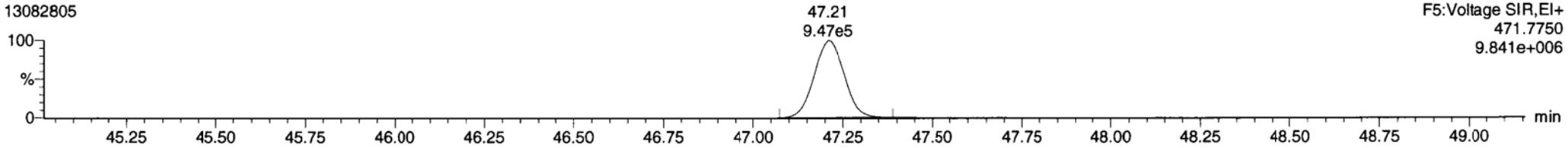
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

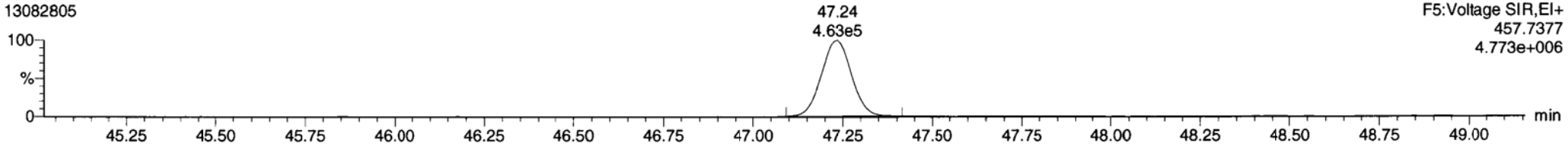
13C-OCDD



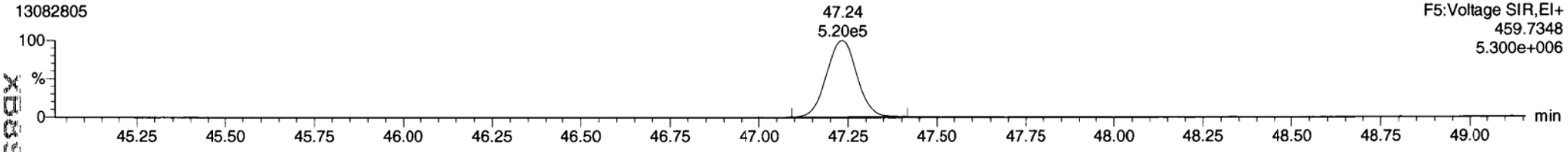
13C-OCDD



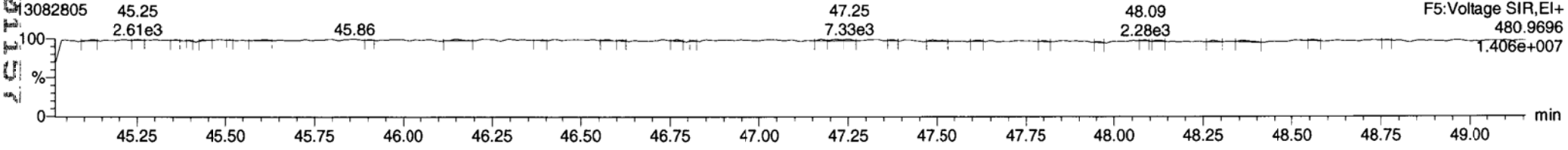
OCDD



OCDD



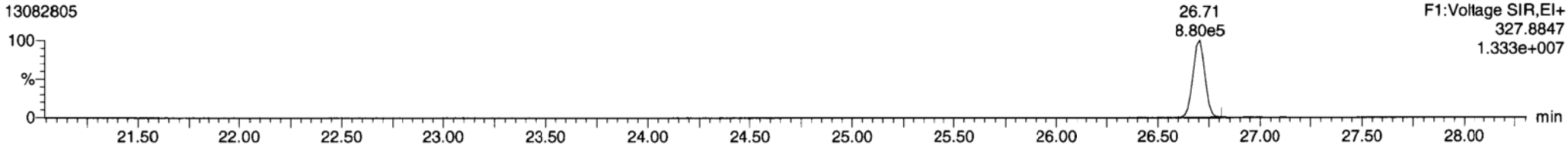
FUNCTION5 PFK



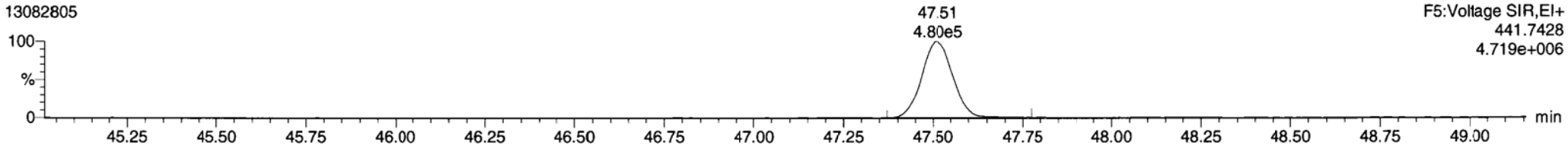
Dataset: P:\DIOXIN8290.PRO\130828QC.qld
Last Altered: Wednesday, August 28, 2013 15:12:22 Pacific Daylight Time
Printed: Wednesday, August 28, 2013 15:13:55 Pacific Daylight Time

ID: XB89OPR, Name: 13082805, Date: 28-Aug-2013, Time: 13:55:23, Conditions: AUTOSPEC01, User: pk

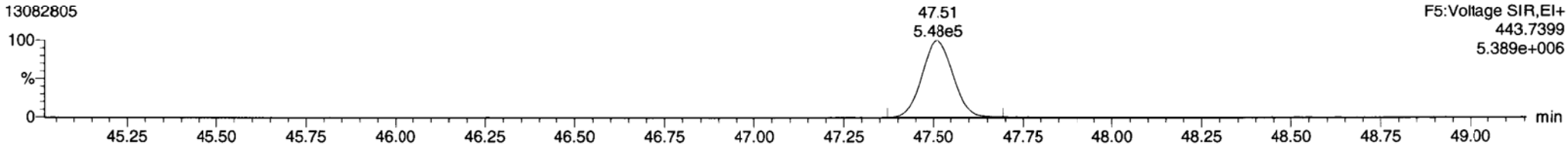
37CL-2378-TCDD



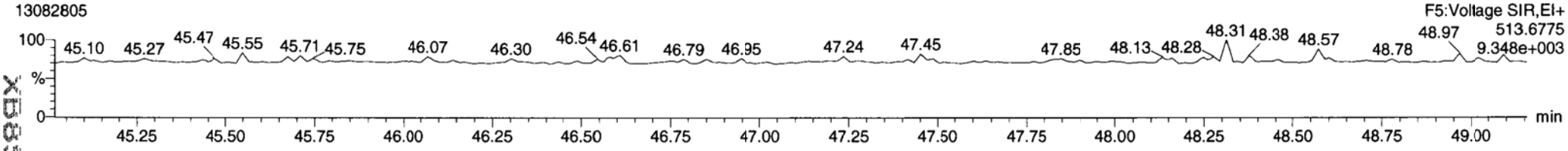
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx 4.1 SCN 714**
Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

8/29/13

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

2378-TCDF	26.063	1.001	6.67e2	9.10e2	0.867	0.732	0.770	9.1	1387	968	1.26e4	1.51e4	NO	1.571	1.571
12378-PeCDF	30.212	1.001	4.26e3	3.26e3	0.875	1.305	1.550	41.6	1463	1739	6.09e4	5.37e4	YES	2.744	2.946
23478-PeCDF	31.549	1.000	3.98e3	2.69e3	0.880	1.482	1.550	37.5	1463	1739	5.48e4	4.19e4	NO	2.534	2.534
123478-HxCDF	35.243	1.001	1.47e4	1.13e4	1.048	1.294	1.240	137.2	1563	1490	2.14e5	1.68e5	NO	9.337	9.337
234678-HxCDF	36.317	1.000	5.70e3	7.85e3	1.088	0.727	1.240	55.7	1563	1490	8.71e4	7.94e4	YES	3.512	4.619
123678-HxCDF	35.364	1.000	6.29e3	5.26e3	1.025	1.195	1.240	52.9	1563	1490	8.27e4	8.03e4	NO	4.048	4.048
123789-HxCDF	37.435	1.000	8.15e3	7.35e3	0.959	1.109	1.240	71.1	1563	1490	1.11e5	1.05e5	NO	5.172	5.172
1234678-HpCDF	39.529	1.000	1.44e5	1.45e5	1.215	0.994	1.050	1785.8	1170	1210	2.09e6	2.15e6	NO	104.903	104.903
1234789-HpCDF	42.225	1.000	1.01e4	1.08e4	1.200	0.934	1.050	111.2	1170	1210	1.30e5	1.30e5	NO	9.287	9.287
OCDF	47.540	1.006	2.22e5	2.62e5	1.064	0.849	0.890	1784.6	1249	1796	2.23e6	2.68e6	NO	291.418	291.418
2378-TCDD	26.706	1.001	2.83e2	5.89e2	0.994	0.480	0.770	10.4	699	1889	7.28e3	7.91e3	YES	0.496	0.666
12378-PeCDD	31.801	1.000	3.51e3	2.38e3	0.976	1.475	1.550	46.4	1026	1580	4.76e4	3.46e4	NO	2.842	2.842
123478-HxCDD	36.460	1.000	6.87e3	6.05e3	0.967	1.135	1.240	40.4	2576	1714	1.04e5	9.81e4	NO	5.381	5.381
123678-HxCDD	36.591	1.000	4.21e4	3.32e4	0.902	1.267	1.240	240.6	2576	1714	6.20e5	5.01e5	NO	33.619	33.619
123789-HxCDD	37.019	1.012	1.46e4	1.23e4	0.914	1.188	1.240	83.7	2576	1714	2.16e5	1.91e5	NO	11.842	11.842
1234678-HpCDD	41.348	1.001	1.72e6	1.65e6	0.999	1.038	1.050	5310.6	4460	4788	2.37e7	2.28e7	NO	1346.769	1346.769
OCDD	47.271	1.001	7.31e6	8.20e6	0.979	0.891	0.890	20838.5	3583	3552	7.47e7	8.32e7	NO	10155.765	10155.765
13C-2378-TCDF	26.048	1.008	4.96e4	6.63e4	1.419	0.748	0.770	314.9	2295	1522	7.23e5	9.56e5	NO		3.971
13C-12378-PeCDF	30.190	1.168	1.76e5	1.16e5	1.158	1.524	1.550	1419.0	1886	1200	2.68e6	1.72e6	NO		12.247
13C-23478-PeCDF	31.538	1.220	1.83e5	1.16e5	1.127	1.580	1.550	1497.6	1886	1200	2.82e6	1.77e6	NO		12.928
13C-123478-HxCDF	35.210	0.951	8.89e4	1.77e5	1.206	0.502	0.510	904.2	1453	1905	1.31e6	2.61e6	NO		12.735
13C-123678-HxCDF	35.364	0.956	9.58e4	1.83e5	1.266	0.525	0.510	986.2	1453	1905	1.43e6	2.71e6	NO		12.715
13C-234678-HxCDF	36.317	0.981	9.25e4	1.77e5	1.155	0.522	0.510	951.8	1453	1905	1.38e6	2.73e6	NO		13.487
13C-123789-HxCDF	37.446	1.012	1.07e5	2.06e5	1.121	0.518	0.510	1148.0	1453	1905	1.67e6	3.12e6	NO		16.112
13C-1234678-HpCDF	39.518	1.068	6.98e4	1.57e5	1.040	0.444	0.440	889.1	1193	1148	1.06e6	2.30e6	NO		12.632
13C-1234789-HpCDF	42.215	1.141	5.78e4	1.30e5	0.789	0.445	0.440	641.2	1193	1148	7.65e5	1.66e6	NO		13.744
13C-1234-TCDD	25.854	0.000	9.07e5	1.15e6	1.000	0.789	0.770	4686.3	2860	1273	1.34e7	1.70e7	NO		100.000
13C-2378-TCDD	26.676	1.032	5.70e4	7.48e4	0.962	0.762	0.770	294.6	2860	1273	8.43e5	1.08e6	NO		6.660
13C-12378-PeCDD	31.790	1.230	1.30e5	8.22e4	0.746	1.582	1.550	1825.8	1075	1040	1.96e6	1.28e6	NO		13.825
13C-123478-HxCDD	36.449	0.985	1.37e5	1.11e5	1.003	1.233	1.240	1253.7	1618	1317	2.03e6	1.65e6	NO		14.303
13C-123678-HxCDD	36.580	0.988	1.38e5	1.10e5	1.052	1.252	1.240	1305.9	1618	1317	2.11e6	1.69e6	NO		13.662
13C-1234678-HpCDD	41.327	1.117	1.31e5	1.20e5	0.880	1.096	1.050	1472.5	1204	836	1.77e6	1.64e6	NO		16.456
13C-OCDD	47.244	1.277	1.48e5	1.64e5	0.775	0.907	0.890	2191.8	684	929	1.50e6	1.73e6	NO		23.270

Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
Printed: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

13C-123789-HxCDD	37.008	0.000	9.57e5	7.73e5	1.000	1.238	1.240	9092.9	1618	1317	1.47e7	1.18e7	NO	100.000
Total-tetrafurans			5.98e3		0.867				1387		1.03e5			14.910
Total-penta1			3.89e4						705		5.49e5			23.720
Total-pentafurans			2.66e4		0.877				1463		3.91e5			17.845
Total-hexafurans			3.17e5		1.030				1563		4.81e6			201.679
Total-heptafurans			5.65e5		1.207				1170		8.12e6			444.357
Total-Furans			1.18e6		1.022				1387		1.62e7			993.928
Total-tetradioxins			8.20e3		0.994				699		1.34e5			13.968
Total-pentadioxins			4.09e4		0.976				1026		6.15e5			34.752
Total-hexadioxins			8.72e5		0.928				2576		1.18e7			684.415
Total-heptadioxins			8.32e6		0.999				4460		1.20e8			6539.746
Total-Dioxins			1.65e7		0.962				699		2.07e8			17428.646
Total-TEQ			1.77e7						699		2.23e8			18422.575
37CL-2378-TCDD	26.691	1.032	6.08e4		1.091			728.1	1223		8.91e5			2.709
FUNCTION1 PFK			1.87e7						730823		9.90e7			
FUNCTION2 PFK			1.02e5						175889		1.58e6			0.000
FUNCTION3 PFK			1.46e6						328115		1.83e7			0.000
FUNCTION4 PFK			1.39e5						270089		2.23e6			
FUNCTION5 PFK			0.00e0						223681		0.00e0			
FUNCTION1 HXCDPE			1.42e2						432		3.70e3			0.000
FUNCTION1 HPCDPE			2.30e2						566		4.50e3			0.000
FUNCTION2 HPCDPE			3.44e2						793		9.23e3			0.000
FUNCTION3 OCDPE			0.00e0						595		0.00e0			
FUNCTION4 NCDPE			1.17e3						785		1.90e4			0.000
FUNCTION5 DCDPE			0.00e0						477		0.00e0			

Method: P:\DIOXIN8290.pro\MethDB\Dioxin130716.mdb 14 Aug 2013 14:32:26
Calibration: P:\DIOXIN8290.pro\CurveDB\130718ICAL.cdb 19 Jul 2013 10:15:25

ID: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

TF

	35	Total-tetrafurans	303.9016	25.14	1203.160	0.867	1.198		0.71	0.77	NO	5.0
	35	Total-tetrafurans	303.9016	24.96	1139.818	0.867	1.135		1.30	0.77	YES	7.4
	35	Total-tetrafurans	303.9016	24.73	1794.734	0.867	1.787		0.70	0.77	NO	6.7
	35	Total-tetrafurans	303.9016	24.30	228.875	0.867	0.228		0.58	0.77	YES	1.7
	35	Total-tetrafurans	303.9016	24.15	309.416	0.867	0.308		0.41	0.77	YES	1.5
	35	Total-tetrafurans	303.9016	24.09	321.975	0.867	0.321		0.43	0.77	YES	1.6
	35	Total-tetrafurans	303.9016	23.90	263.523	0.867	0.262		0.48	0.77	YES	1.7
	35	Total-tetrafurans	303.9016	23.78	368.036	0.867	0.367		0.55	0.77	YES	2.1
	35	Total-tetrafurans	303.9016	23.64	230.726	0.867	0.230		0.81	0.77	NO	1.3
	35	Total-tetrafurans	303.9016	23.58	518.124	0.867	0.516		0.72	0.77	NO	3.2
	35	Total-tetrafurans	303.9016	23.40	3328.554	0.867	3.315		0.56	0.77	YES	15.4
	35	Total-tetrafurans	303.9016	22.84	283.526	0.867	0.282		0.70	0.77	NO	1.2
	35	Total-tetrafurans	303.9016	27.74	235.056	0.867	0.234		1.15	0.77	YES	2.1
	35	Total-tetrafurans	303.9016	27.50	1106.749	0.867	1.102		0.51	0.77	YES	5.0
	35	Total-tetrafurans	303.9016	26.18	1246.087	0.867	1.241		0.61	0.77	YES	6.3
	1	2378-TCDF	303.9016	26.06	1577.356	0.867	1.571	1.571	0.73	0.77	NO	9.1
	35	Total-tetrafurans	303.9016	25.56	815.519	0.867	0.812		0.71	0.77	NO	3.1

PP

	36	Total-penta1	339.8597	27.47	64287.006		23.720		1.53	1.55	NO	777.8

PF

	37	Total-pentafurans	339.8597	29.13	10776.059	0.877	4.157		1.12	1.55	YES	64.2
	37	Total-pentafurans	339.8597	28.95	1629.158	0.877	0.628		0.98	1.55	YES	11.2
	37	Total-pentafurans	339.8597	32.58	854.112	0.877	0.329		1.36	1.55	NO	8.1
	3	23478-PeCDF	339.8597	31.55	6673.012	0.880	2.534	2.534	1.48	1.55	NO	37.5
	37	Total-pentafurans	339.8597	31.41	5686.958	0.877	2.194		1.55	1.55	NO	34.1
	37	Total-pentafurans	339.8597	31.27	1814.614	0.877	0.700		1.51	1.55	NO	11.3
	37	Total-pentafurans	339.8597	30.40	4240.815	0.877	1.636		1.75	1.55	NO	22.7
	2	12378-PeCDF	339.8597	30.21	7515.785	0.875	2.946	2.744	1.31	1.55	YES	41.6
	37	Total-pentafurans	339.8597	29.85	6594.012	0.877	2.544		1.40	1.55	NO	32.6
	37	Total-pentafurans	339.8597	29.75	458.472	0.877	0.177		1.18	1.55	YES	3.8

D: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

IF

	38 Total-hexafurans	373.8208	33.71	149777.320	1.030	51.644		1.20	1.24	NO	782.2
	38 Total-hexafurans	373.8208	33.50	49606.135	1.030	17.104		1.13	1.24	NO	266.0
	7 123789-HxCDF	373.8208	37.44	15494.066	0.959	5.172	5.172	1.11	1.24	NO	71.1
	5 234678-HxCDF	373.8208	36.32	13549.725	1.088	4.619	3.512	0.73	1.24	YES	55.7
	38 Total-hexafurans	373.8208	35.74	725.193	1.030	0.250		2.24	1.24	YES	5.5
	6 123678-HxCDF	373.8208	35.36	11548.995	1.025	4.048	4.048	1.19	1.24	NO	52.9
	4 123478-HxCDF	373.8208	35.24	26018.010	1.048	9.337	9.337	1.29	1.24	NO	137.2
	38 Total-hexafurans	373.8208	35.08	1817.519	1.030	0.627		1.30	1.24	NO	12.4
	38 Total-hexafurans	373.8208	34.59	313877.828	1.030	108.226		1.21	1.24	NO	1678.6
	38 Total-hexafurans	373.8208	34.30	682.463	1.030	0.235		1.88	1.24	YES	6.6
	38 Total-hexafurans	373.8208	34.26	1207.358	1.030	0.416		0.72	1.24	YES	9.0

IPF

	9 1234789-HpCDF	407.7818	42.23	20906.685	1.200	9.287	9.287	0.93	1.05	NO	111.2
	39 Total-heptafurans	407.7818	41.35	2151.859	1.207	0.859		0.67	1.05	YES	10.0
	39 Total-heptafurans	407.7818	40.33	814587.688	1.207	325.315		0.99	1.05	NO	4976.8
	39 Total-heptafurans	407.7818	40.09	9997.761	1.207	3.993		1.06	1.05	NO	52.4
	8 1234678-HpCDF	407.7818	39.53	289494.469	1.215	104.903	104....	0.99	1.05	NO	1785.8

D: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	35 Total-tetrafurans	303.9016	25.14	1203.160	0.867	1.198		0.71	0.77	NO	5.0
	35 Total-tetrafurans	303.9016	24.96	1139.818	0.867	1.135		1.30	0.77	YES	7.4
	35 Total-tetrafurans	303.9016	24.73	1794.734	0.867	1.787		0.70	0.77	NO	6.7
	35 Total-tetrafurans	303.9016	24.30	228.875	0.867	0.228		0.58	0.77	YES	1.7
	35 Total-tetrafurans	303.9016	24.15	309.416	0.867	0.308		0.41	0.77	YES	1.5
	35 Total-tetrafurans	303.9016	24.09	321.975	0.867	0.321		0.43	0.77	YES	1.6
	35 Total-tetrafurans	303.9016	23.90	263.523	0.867	0.262		0.48	0.77	YES	1.7
	35 Total-tetrafurans	303.9016	23.78	368.036	0.867	0.367		0.55	0.77	YES	2.1
	35 Total-tetrafurans	303.9016	23.64	230.726	0.867	0.230		0.81	0.77	NO	1.3
	35 Total-tetrafurans	303.9016	23.58	518.124	0.867	0.516		0.72	0.77	NO	3.2
	35 Total-tetrafurans	303.9016	23.40	3328.554	0.867	3.315		0.56	0.77	YES	15.4
	35 Total-tetrafurans	303.9016	22.84	283.526	0.867	0.282		0.70	0.77	NO	1.2
	35 Total-tetrafurans	303.9016	27.74	235.056	0.867	0.234		1.15	0.77	YES	2.1
	35 Total-tetrafurans	303.9016	27.50	1106.749	0.867	1.102		0.51	0.77	YES	5.0
	35 Total-tetrafurans	303.9016	26.18	1246.087	0.867	1.241		0.61	0.77	YES	6.3
	1 2378-TCDF	303.9016	26.06	1577.356	0.867	1.571	1.571	0.73	0.77	NO	9.1
	35 Total-tetrafurans	303.9016	25.56	815.519	0.867	0.812		0.71	0.77	NO	3.1
	37 Total-pentafurans	339.8597	29.13	10776.059	0.877	4.157		1.12	1.55	YES	64.2
	37 Total-pentafurans	339.8597	28.95	1629.158	0.877	0.628		0.98	1.55	YES	11.2
	37 Total-pentafurans	339.8597	32.58	854.112	0.877	0.329		1.36	1.55	NO	8.1
	3 23478-PeCDF	339.8597	31.55	6673.012	0.880	2.534	2.534	1.48	1.55	NO	37.5
	37 Total-pentafurans	339.8597	31.41	5686.958	0.877	2.194		1.55	1.55	NO	34.1
	37 Total-pentafurans	339.8597	31.27	1814.614	0.877	0.700		1.51	1.55	NO	11.3
	37 Total-pentafurans	339.8597	30.40	4240.815	0.877	1.636		1.75	1.55	NO	22.7
	2 12378-PeCDF	339.8597	30.21	7515.785	0.875	2.946	2.744	1.31	1.55	YES	41.6
	37 Total-pentafurans	339.8597	29.85	6594.012	0.877	2.544		1.40	1.55	NO	32.6
	37 Total-pentafurans	339.8597	29.75	458.472	0.877	0.177		1.18	1.55	YES	3.8
	38 Total-hexafurans	373.8208	33.71	149777.320	1.030	51.644		1.20	1.24	NO	782.2
	38 Total-hexafurans	373.8208	33.50	49606.135	1.030	17.104		1.13	1.24	NO	266.0
	7 123789-HxCDF	373.8208	37.44	15494.066	0.959	5.172	5.172	1.11	1.24	NO	71.1
	5 234678-HxCDF	373.8208	36.32	13549.725	1.088	4.619	3.512	0.73	1.24	YES	55.7
	38 Total-hexafurans	373.8208	35.74	725.193	1.030	0.250		2.24	1.24	YES	5.5
	6 123678-HxCDF	373.8208	35.36	11548.995	1.025	4.048	4.048	1.19	1.24	NO	52.9
	4 123478-HxCDF	373.8208	35.24	26018.010	1.048	9.337	9.337	1.29	1.24	NO	137.2
	38 Total-hexafurans	373.8208	35.08	1817.519	1.030	0.627		1.30	1.24	NO	12.4
	38 Total-hexafurans	373.8208	34.59	313877.828	1.030	108.226		1.21	1.24	NO	1678.6
	38 Total-hexafurans	373.8208	34.30	682.463	1.030	0.235		1.88	1.24	YES	6.6
	38 Total-hexafurans	373.8208	34.26	1207.358	1.030	0.416		0.72	1.24	YES	9.0
	9 1234789-HpCDF	407.7818	42.23	20906.685	1.200	9.287	9.287	0.93	1.05	NO	111.2
	39 Total-heptafurans	407.7818	41.35	2151.859	1.207	0.859		0.67	1.05	YES	10.0
	39 Total-heptafurans	407.7818	40.33	814587.688	1.207	325.315		0.99	1.05	NO	4976.8
	39 Total-heptafurans	407.7818	40.09	9997.761	1.207	3.993		1.06	1.05	NO	52.4
	8 1234678-HpCDF	407.7818	39.53	289494.469	1.215	104.903	104....	0.99	1.05	NO	1785.8
	10 OCDF	441.7428	47.54	483625.235	1.064	291.418	291....	0.85	0.89	NO	1784.6
	36 Total-penta1	339.8597	27.47	64287.006		23.720		1.53	1.55	NO	777.8

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TD

	41 Total-tetradioxins	319.8965	27.29	445.057	0.994	0.340		1.58	0.77	YES	5.9
	41 Total-tetradioxins	319.8965	26.83	876.752	0.994	0.670		1.31	0.77	YES	12.5
	11 2378-TCDD	319.8965	26.71	871.589	0.994	0.666	0.496	0.48	0.77	YES	10.4
	41 Total-tetradioxins	319.8965	26.33	2128.849	0.994	1.626		0.47	0.77	YES	15.3
	41 Total-tetradioxins	319.8965	25.87	698.558	0.994	0.534		0.42	0.77	YES	4.1
	41 Total-tetradioxins	319.8965	25.67	1189.782	0.994	0.909		0.48	0.77	YES	8.7
	41 Total-tetradioxins	319.8965	25.30	1516.354	0.994	1.158		0.68	0.77	NO	15.6
	41 Total-tetradioxins	319.8965	25.03	446.827	0.994	0.341		1.66	0.77	YES	5.8
	41 Total-tetradioxins	319.8965	24.30	189.097	0.994	0.144		0.70	0.77	NO	3.4
	41 Total-tetradioxins	319.8965	24.09	5409.416	0.994	4.132		1.00	0.77	YES	62.9
	41 Total-tetradioxins	319.8965	23.82	4513.573	0.994	3.448		0.95	0.77	YES	47.5

PD

	12 12378-PeCDD	355.8546	31.80	5886.493	0.976	2.842	2.842	1.48	1.55	NO	46.4
	42 Total-pentadioxins	355.8546	31.12	5234.746	0.976	2.527		1.34	1.55	NO	39.5
	42 Total-pentadioxins	355.8546	30.74	6392.002	0.976	3.086		1.59	1.55	NO	51.3
	42 Total-pentadioxins	355.8546	30.55	14814.075	0.976	7.152		1.43	1.55	NO	124.0
	42 Total-pentadioxins	355.8546	30.42	4593.899	0.976	2.218		1.29	1.55	YES	31.1
	42 Total-pentadioxins	355.8546	30.21	13530.429	0.976	6.532		1.28	1.55	YES	117.7
	42 Total-pentadioxins	355.8546	29.59	7273.640	0.976	3.512		1.54	1.55	NO	64.9
	42 Total-pentadioxins	355.8546	29.10	13027.598	0.976	6.290		0.93	1.55	YES	108.6
	42 Total-pentadioxins	355.8546	32.18	1226.589	0.976	0.592		2.78	1.55	YES	15.6

HD

	43 Total-hexadioxins	389.8157	34.30	776797.312	0.928	337.077		1.24	1.24	NO	2568.5
	15 123789-HxCDD	389.8157	37.02	26892.629	0.914	11.842	11.842	1.19	1.24	NO	83.7
	43 Total-hexadioxins	389.8157	36.77	25398.809	0.928	11.021		1.16	1.24	NO	84.6
	14 123678-HxCDD	389.8157	36.59	75370.843	0.902	33.619	33.619	1.27	1.24	NO	240.6
	13 123478-HxCDD	389.8157	36.46	12917.206	0.967	5.381	5.381	1.14	1.24	NO	40.4
	43 Total-hexadioxins	389.8157	35.62	96952.390	0.928	42.071		1.21	1.24	NO	325.5
	43 Total-hexadioxins	389.8157	35.50	459573.922	0.928	199.423		1.25	1.24	NO	910.3
	43 Total-hexadioxins	389.8157	35.11	101354.770	0.928	43.981		1.22	1.24	NO	329.4

HPD

	44 Total-heptadioxins	423.7766	40.09	12995433....	0.999	5192.9...		1.03	1.05	NO	21532.0
	16 1234678-HpCDD	423.7766	41.35	3370292.375	0.999	1346.7...	1346...	1.04	1.05	NO	5310.6

)uantify Totals Report MassLynx 4.1 SCN 714
)ataset: P:\DIOXIN8290.PRO\130828DATA1.qld
ast Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
'rinted: Thursday, August 29, 2013 09:42:19 Pacific Daylight Time

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)ioxins,TD,PD,HD,HPD,OD

	41	Total-tetradioxins	319.8965	27.29	445.057	0.994	0.340		1.58	0.77	YES	5.9
	41	Total-tetradioxins	319.8965	26.83	876.752	0.994	0.670		1.31	0.77	YES	12.5
	11	2378-TCDD	319.8965	26.71	871.589	0.994	0.666	0.496	0.48	0.77	YES	10.4
	41	Total-tetradioxins	319.8965	26.33	2128.849	0.994	1.626		0.47	0.77	YES	15.3
	41	Total-tetradioxins	319.8965	25.87	698.558	0.994	0.534		0.42	0.77	YES	4.1
	41	Total-tetradioxins	319.8965	25.67	1189.782	0.994	0.909		0.48	0.77	YES	8.7
	41	Total-tetradioxins	319.8965	25.30	1516.354	0.994	1.158		0.68	0.77	NO	15.6
	41	Total-tetradioxins	319.8965	25.03	446.827	0.994	0.341		1.66	0.77	YES	5.8
	41	Total-tetradioxins	319.8965	24.30	189.097	0.994	0.144		0.70	0.77	NO	3.4
	41	Total-tetradioxins	319.8965	24.09	5409.416	0.994	4.132		1.00	0.77	YES	62.9
	41	Total-tetradioxins	319.8965	23.82	4513.573	0.994	3.448		0.95	0.77	YES	47.5
	12	12378-PeCDD	355.8546	31.80	5886.493	0.976	2.842	2.842	1.48	1.55	NO	46.4
	42	Total-pentadioxins	355.8546	31.12	5234.746	0.976	2.527		1.34	1.55	NO	39.5
	42	Total-pentadioxins	355.8546	30.74	6392.002	0.976	3.086		1.59	1.55	NO	51.3
	42	Total-pentadioxins	355.8546	30.55	14814.075	0.976	7.152		1.43	1.55	NO	124.0
	42	Total-pentadioxins	355.8546	30.42	4593.899	0.976	2.218		1.29	1.55	YES	31.1
	42	Total-pentadioxins	355.8546	30.21	13530.429	0.976	6.532		1.28	1.55	YES	117.7
	42	Total-pentadioxins	355.8546	29.59	7273.640	0.976	3.512		1.54	1.55	NO	64.9
	42	Total-pentadioxins	355.8546	29.10	13027.598	0.976	6.290		0.93	1.55	YES	108.6
	43	Total-hexadioxins	389.8157	34.30	776797.312	0.928	337.077		1.24	1.24	NO	2568.5
	42	Total-pentadioxins	355.8546	32.18	1226.589	0.976	0.592		2.78	1.55	YES	15.6
	15	123789-HxCDD	389.8157	37.02	26892.629	0.914	11.842	11.842	1.19	1.24	NO	83.7
	43	Total-hexadioxins	389.8157	36.77	25398.809	0.928	11.021		1.16	1.24	NO	84.6
	14	123678-HxCDD	389.8157	36.59	75370.843	0.902	33.619	33.619	1.27	1.24	NO	240.6
	13	123478-HxCDD	389.8157	36.46	12917.206	0.967	5.381	5.381	1.14	1.24	NO	40.4
	43	Total-hexadioxins	389.8157	35.62	96952.390	0.928	42.071		1.21	1.24	NO	325.5
	43	Total-hexadioxins	389.8157	35.50	459573.922	0.928	199.423		1.25	1.24	NO	910.3
	43	Total-hexadioxins	389.8157	35.11	101354.770	0.928	43.981		1.22	1.24	NO	329.4
	44	Total-heptadioxins	423.7766	40.09	12995433....	0.999	5192.9...		1.03	1.05	NO	21532.0
	17	OCDD	457.7377	47.27	15505254....	0.979	10155....	1015...	0.89	0.89	NO	20838.5
	16	1234678-HpCDD	423.7766	41.35	3370292.375	0.999	1346.7...	1346...	1.04	1.05	NO	5310.6

Dataset: P:\DIOXIN8290.PRO\130828DATA1.qld
Last Altered: Thursday, August 29, 2013 09:38:02 Pacific Daylight Time
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D: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	35 Total-tetrafurans	303.9016	25.14	1203.160	0.867	1.198		0.71	0.77	NO	5.0
	35 Total-tetrafurans	303.9016	24.96	1139.818	0.867	1.135		1.30	0.77	YES	7.4
	35 Total-tetrafurans	303.9016	24.73	1794.734	0.867	1.787		0.70	0.77	NO	6.7
	35 Total-tetrafurans	303.9016	24.30	228.875	0.867	0.228		0.58	0.77	YES	1.7
	35 Total-tetrafurans	303.9016	24.15	309.416	0.867	0.308		0.41	0.77	YES	1.5
	35 Total-tetrafurans	303.9016	24.09	321.975	0.867	0.321		0.43	0.77	YES	1.6
	35 Total-tetrafurans	303.9016	23.90	263.523	0.867	0.262		0.48	0.77	YES	1.7
	35 Total-tetrafurans	303.9016	23.78	368.036	0.867	0.367		0.55	0.77	YES	2.1
	35 Total-tetrafurans	303.9016	23.64	230.726	0.867	0.230		0.81	0.77	NO	1.3
	35 Total-tetrafurans	303.9016	23.58	518.124	0.867	0.516		0.72	0.77	NO	3.2
	35 Total-tetrafurans	303.9016	23.40	3328.554	0.867	3.315		0.56	0.77	YES	15.4
	35 Total-tetrafurans	303.9016	22.84	283.526	0.867	0.282		0.70	0.77	NO	1.2
	35 Total-tetrafurans	303.9016	27.74	235.056	0.867	0.234		1.15	0.77	YES	2.1
	35 Total-tetrafurans	303.9016	27.50	1106.749	0.867	1.102		0.51	0.77	YES	5.0
	35 Total-tetrafurans	303.9016	26.18	1246.087	0.867	1.241		0.61	0.77	YES	6.3
	1 2378-TCDF	303.9016	26.06	1577.356	0.867	1.571	1.571	0.73	0.77	NO	9.1
	35 Total-tetrafurans	303.9016	25.56	815.519	0.867	0.812		0.71	0.77	NO	3.1
	37 Total-pentafurans	339.8597	29.13	10776.059	0.877	4.157		1.12	1.55	YES	64.2
	37 Total-pentafurans	339.8597	28.95	1629.158	0.877	0.628		0.98	1.55	YES	11.2
	37 Total-pentafurans	339.8597	32.58	854.112	0.877	0.329		1.36	1.55	NO	8.1
	3 23478-PeCDF	339.8597	31.55	6673.012	0.880	2.534	2.534	1.48	1.55	NO	37.5
	37 Total-pentafurans	339.8597	31.41	5686.958	0.877	2.194		1.55	1.55	NO	34.1
	37 Total-pentafurans	339.8597	31.27	1814.614	0.877	0.700		1.51	1.55	NO	11.3
	37 Total-pentafurans	339.8597	30.40	4240.815	0.877	1.636		1.75	1.55	NO	22.7
	2 12378-PeCDF	339.8597	30.21	7515.785	0.875	2.946	2.744	1.31	1.55	YES	41.6
	37 Total-pentafurans	339.8597	29.85	6594.012	0.877	2.544		1.40	1.55	NO	32.6
	37 Total-pentafurans	339.8597	29.75	458.472	0.877	0.177		1.18	1.55	YES	3.8
	38 Total-hexafurans	373.8208	33.71	149777.320	1.030	51.644		1.20	1.24	NO	782.2
	38 Total-hexafurans	373.8208	33.50	49606.135	1.030	17.104		1.13	1.24	NO	266.0
	7 123789-HxCDF	373.8208	37.44	15494.066	0.959	5.172	5.172	1.11	1.24	NO	71.1
	5 234678-HxCDF	373.8208	36.32	13549.725	1.088	4.619	3.512	0.73	1.24	YES	55.7
	38 Total-hexafurans	373.8208	35.74	725.193	1.030	0.250		2.24	1.24	YES	5.5
	6 123678-HxCDF	373.8208	35.36	11548.995	1.025	4.048	4.048	1.19	1.24	NO	52.9
	4 123478-HxCDF	373.8208	35.24	26018.010	1.048	9.337	9.337	1.29	1.24	NO	137.2
	38 Total-hexafurans	373.8208	35.08	1817.519	1.030	0.627		1.30	1.24	NO	12.4
	38 Total-hexafurans	373.8208	34.59	313877.828	1.030	108.226		1.21	1.24	NO	1678.6
	38 Total-hexafurans	373.8208	34.30	682.463	1.030	0.235		1.88	1.24	YES	6.6
	38 Total-hexafurans	373.8208	34.26	1207.358	1.030	0.416		0.72	1.24	YES	9.0
	9 1234789-HpCDF	407.7818	42.23	20906.685	1.200	9.287	9.287	0.93	1.05	NO	111.2
	39 Total-heptafurans	407.7818	41.35	2151.859	1.207	0.859		0.67	1.05	YES	10.0
	39 Total-heptafurans	407.7818	40.33	814587.688	1.207	325.315		0.99	1.05	NO	4976.8
	39 Total-heptafurans	407.7818	40.09	9997.761	1.207	3.993		1.06	1.05	NO	52.4
	8 1234678-HpCDF	407.7818	39.53	289494.469	1.215	104.903	104....	0.99	1.05	NO	1785.8
	10 OCDF	441.7428	47.54	483625.235	1.064	291.418	291....	0.85	0.89	NO	1784.6
	36 Total-penta1	339.8597	27.47	64287.006		23.720		1.53	1.55	NO	777.8
	41 Total-tetradioxins	319.8965	27.29	445.057	0.994	0.340		1.58	0.77	YES	5.9
	41 Total-tetradioxins	319.8965	26.83	876.752	0.994	0.670		1.31	0.77	YES	12.5
	11 2378-TCDD	319.8965	26.71	871.589	0.994	0.666	0.496	0.48	0.77	YES	10.4
	41 Total-tetradioxins	319.8965	26.33	2128.849	0.994	1.626		0.47	0.77	YES	15.3

Quantify Totals Report MassLynx 4.1 SCN 714
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TotalTEQ,Furans,Dioxins

	41	Total-tetradioxins	319.8965	25.87	698.558	0.994	0.534		0.42	0.77	YES	4.1
	41	Total-tetradioxins	319.8965	25.67	1189.782	0.994	0.909		0.48	0.77	YES	8.7
	41	Total-tetradioxins	319.8965	25.30	1516.354	0.994	1.158		0.68	0.77	NO	15.6
	41	Total-tetradioxins	319.8965	25.03	446.827	0.994	0.341		1.66	0.77	YES	5.8
	41	Total-tetradioxins	319.8965	24.30	189.097	0.994	0.144		0.70	0.77	NO	3.4
	41	Total-tetradioxins	319.8965	24.09	5409.416	0.994	4.132		1.00	0.77	YES	62.9
	41	Total-tetradioxins	319.8965	23.82	4513.573	0.994	3.448		0.95	0.77	YES	47.5
	12	12378-PeCDD	355.8546	31.80	5886.493	0.976	2.842	2.842	1.48	1.55	NO	46.4
	42	Total-pentadioxins	355.8546	31.12	5234.746	0.976	2.527		1.34	1.55	NO	39.5
	42	Total-pentadioxins	355.8546	30.74	6392.002	0.976	3.086		1.59	1.55	NO	51.3
	42	Total-pentadioxins	355.8546	30.55	14814.075	0.976	7.152		1.43	1.55	NO	124.0
	42	Total-pentadioxins	355.8546	30.42	4593.899	0.976	2.218		1.29	1.55	YES	31.1
	42	Total-pentadioxins	355.8546	30.21	13530.429	0.976	6.532		1.28	1.55	YES	117.7
	42	Total-pentadioxins	355.8546	29.59	7273.640	0.976	3.512		1.54	1.55	NO	64.9
	42	Total-pentadioxins	355.8546	29.10	13027.598	0.976	6.290		0.93	1.55	YES	108.6
	43	Total-hexadioxins	389.8157	34.30	776797.312	0.928	337.077		1.24	1.24	NO	2568.5
	42	Total-pentadioxins	355.8546	32.18	1226.589	0.976	0.592		2.78	1.55	YES	15.6
	15	123789-HxCDD	389.8157	37.02	26892.629	0.914	11.842	11.842	1.19	1.24	NO	83.7
	43	Total-hexadioxins	389.8157	36.77	25398.809	0.928	11.021		1.16	1.24	NO	84.6
	14	123678-HxCDD	389.8157	36.59	75370.843	0.902	33.619	33.619	1.27	1.24	NO	240.6
	13	123478-HxCDD	389.8157	36.46	12917.206	0.967	5.381	5.381	1.14	1.24	NO	40.4
	43	Total-hexadioxins	389.8157	35.62	96952.390	0.928	42.071		1.21	1.24	NO	325.5
	43	Total-hexadioxins	389.8157	35.50	459573.922	0.928	199.423		1.25	1.24	NO	910.3
	43	Total-hexadioxins	389.8157	35.11	101354.770	0.928	43.981		1.22	1.24	NO	329.4
	44	Total-heptadioxins	423.7766	40.09	12995433....	0.999	5192.9...		1.03	1.05	NO	21532.0
	17	OCDD	457.7377	47.27	15505254....	0.979	10155....	1015...	0.89	0.89	NO	20838.5
	16	1234678-HpCDD	423.7766	41.35	3370292.375	0.999	1346.7...	1346...	1.04	1.05	NO	5310.6

D: XB89A 10X, Name: 13082806, Date: 28-Aug-2013, Time: 14:47:45, Conditions: AUTOSPEC01, User: pk

PFK1

	48	FUNCTION1 PFK	330.9792	23.69	0.000						1.2
	48	FUNCTION1 PFK	330.9792	23.63	0.000						0.7
	48	FUNCTION1 PFK	330.9792	23.46	0.000						2.8
	48	FUNCTION1 PFK	330.9792	23.22	0.000						1.1
	48	FUNCTION1 PFK	330.9792	23.10	0.000						0.4
	48	FUNCTION1 PFK	330.9792	22.90	0.000						1.7
	48	FUNCTION1 PFK	330.9792	22.81	0.000						0.6
	48	FUNCTION1 PFK	330.9792	22.48	0.000						1.9
	48	FUNCTION1 PFK	330.9792	22.28	0.000						5.7
	48	FUNCTION1 PFK	330.9792	22.18	0.000						8.2
	48	FUNCTION1 PFK	330.9792	21.54	0.000						22.3
	48	FUNCTION1 PFK	330.9792	21.33	0.000						25.1
	48	FUNCTION1 PFK	330.9792	21.21	0.000						27.0
	48	FUNCTION1 PFK	330.9792	27.47	0.000						1.2
	48	FUNCTION1 PFK	330.9792	26.77	0.000						0.3
	48	FUNCTION1 PFK	330.9792	26.60	0.000						0.8
	48	FUNCTION1 PFK	330.9792	26.56	0.000						0.7
	48	FUNCTION1 PFK	330.9792	26.06	0.000						2.8
	48	FUNCTION1 PFK	330.9792	25.78	0.000						1.3
	48	FUNCTION1 PFK	330.9792	25.56	0.000						8.3
	48	FUNCTION1 PFK	330.9792	25.09	0.000						0.4
	48	FUNCTION1 PFK	330.9792	24.66	0.000						3.4
	48	FUNCTION1 PFK	330.9792	24.54	0.000						2.2
	48	FUNCTION1 PFK	330.9792	24.32	0.000						0.7
	48	FUNCTION1 PFK	330.9792	24.26	0.000						0.8
	48	FUNCTION1 PFK	330.9792	24.14	0.000						1.8
	48	FUNCTION1 PFK	330.9792	24.03	0.000						2.1
	48	FUNCTION1 PFK	330.9792	23.97	0.000						1.6
	48	FUNCTION1 PFK	330.9792	23.81	0.000						2.4
	48	FUNCTION1 PFK	330.9792	27.74	0.000						2.3
	48	FUNCTION1 PFK	330.9792	27.69	0.000						3.7

PFK2

	49	FUNCTION2 PFK	366.9792	31.31	0.000	0.000					6.4
	49	FUNCTION2 PFK	366.9792	30.40	0.000	0.000					2.6

PFK3

	50	FUNCTION3 PFK	380.9760	37.54	0.000	0.000					9.6
	50	FUNCTION3 PFK	380.9760	37.39	0.000	0.000					20.6
	50	FUNCTION3 PFK	380.9760	36.47	0.000	0.000					6.5
	50	FUNCTION3 PFK	380.9760	35.30	0.000	0.000					5.0
	50	FUNCTION3 PFK	380.9760	33.65	0.000	0.000					7.4
	50	FUNCTION3 PFK	380.9760	33.38	0.000	0.000					6.7