LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	122	130	148	rVB	1739231	2588360	10.04%	2.366%
2	7.386	768	774	793	rVB4	164875	454710	1.76%	0.416%
3	7.762	825	838	850	rBV2	134495	285589	1.11%	0.261%
4	8.232	910	918	921	rBV2	312095	549337	2.13%	0.502%
5	8.267	921	924	935	rVB2	283188	472890	1.83%	0.432%
6	8.937	1032	1038	1044	rBV2	173264	318419	1.23%	0.291%
7	9.336	1100	1106	1112	rVV3	95665	195934	0.76%	0.179%
8	9.413	1112	1119	1126	rVB	160201	304966	1.18%	0.279%
9	9.507	1126	1135	1146	rBV4	116865	256326	0.99%	0.234%
10	10.135	1228	1242	1249	rBV2	164479	347640	1.35%	0.318%
11	10.218	1249	1256	1259	rBV	122588	256779	1.00%	0.235%
12	10.682	1327	1335	1341	rBV2	244099	473542	1.84%	0.433%
13	10.952	1371	1381	1391	rVB3	194298	493745	1.91%	0.451%
14	11.087	1392	1404	1417	rBV3	595157	1909848	7.41%	1.746%
15	11.581	1480	1488	1494	rVV3	100490	237242	0.92%	0.217%
16	12.198	1584	1593	1602	rVB	458199	805536	3.12%	0.736%
17	12.727	1672	1683	1693	rBV6	275384	648762	2.52%	0.593%
18	13.114	1742	1749	1757	rVB2	383035	682563	2.65%	0.624%
19	13.232	1767	1769	1778	rVB4	119507	198805	0.77%	0.182%
20	13.332	1780	1786	1799	rVV2	215611	431517	1.67%	0.394%
21	13.631	1832	1837	1843	rVB4	140477	226451	0.88%	0.207%
22	14.043	1894	1907	1914	rBV4	79768	231167	0.90%	0.211%
23	14.190	1924	1932	1937	rBV	600550	1071229	4.15%	0.979%
24	14.242	1937	1941	1946	rVV	377091	590198	2.29%	0.539%
25	14.554	1987	1994	2003	rVB	409600	710401	2.76%	0.649%
26	14.701	2011	2019	2028	rVB3	153932	278420	1.08%	0.254%
27	14.853	2040	2045	2051	rVV	735331	1160022	4.50%	1.060%
28	14.918	2051	2056	2060	rVV2	211519	312919	1.21%	0.286%
29	14.983	2061	2067	2073	rVB	778097	1205628	4.68%	1.102%
30	15.077	2077	2083	2089	rVB6	122457	256438	0.99%	0.234%
31	15.235	2103	2110	2118	rBV3	702751	1180969	4.58%	1.080%
32	15.318	2118	2124	2134	rVB8	110972	280092	1.09%	0.256%
33	15.611	2167	2174	2176	rVV6	110474	211346	0.82%	0.193%
34	15.641	2176	2179	2184	rVB2	178090	246297	0.96%	0.225%

LSC Area Percent Report

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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	15.770	2194	2201	2206	rBV	512107	748654	2.90%	0.684%
36	15.841	2206	2213	2217	rVV	463905	736651	2.86%	0.673%
37	15.899	2217	2223	2230	rVB2	923432	1430537	5.55%	1.308%
38	15.970	2230	2235	2241	rBV2	148113	259684	1.01%	0.237%
39	16.040	2242	2247	2253	rVB7	95480	202982	0.79%	0.186%
40	16.275	2282	2287	2293	rBV6	123843	256707	1.00%	0.235%
41	16.434	2309	2314	2320	rBV6	203365	408495	1.58%	0.373%
42	16.504	2320	2326	2329	rBV	276894	441149	1.71%	0.403%
43	16.546	2330	2333	2339	rVB2	168708	256325	0.99%	0.234%
44	16.704	2351	2360	2366	rBV7	214399	490665	1.90%	0.449%
45	16.775	2368	2372	2381	rVB7	165961	330599	1.28%	0.302%
46	16.869	2381	2388	2395	rBV3	249145	608164	2.36%	0.556%
47	16.951	2395	2402	2407	rVB5	264487	451519	1.75%	0.413%
48	17.121	2426	2431	2438	rBV6	127022	222958	0.86%	0.204%
49	17.198	2438	2444	2446	rBV5	152424	260489	1.01%	0.238%
50	17.227	2446	2449	2455	rVB4	218106	330983	1.28%	0.303%
51	17.292	2457	2460	2464	rBV2	241960	270286	1.05%	0.247%
52	17.427	2480	2483	2491	rVB8	111783	271941	1.05%	0.249%
53	17.597	2504	2512	2516	rBV	936971	1910967	7.41%	1.747%
54	17.638	2516	2519	2524	rVB	962129	1478331	5.73%	1.351%
55	17.697	2524	2529	2533	rBV	461549	721545	2.80%	0.660%
56	17.768	2538	2541	2548	rVB3	348905	620595	2.41%	0.567%
57	18.003	2575	2581	2583	rBV3	135673	245542	0.95%	0.224%
58	18.032	2583	2586	2590	rVB	276948	343797	1.33%	0.314%
59	18.332	2625	2637	2643	rVV	176537	525318	2.04%	0.480%
60	18.443	2650	2656	2664	rBV2	1157564	1771737	6.87%	1.620%
61	18.520	2664	2669	2674	rVB3	189724	320063	1.24%	0.293%
62	18.678	2689	2696	2699	rBV3	210041	390474	1.51%	0.357%
63	18.714	2699	2702	2710	rVB	323746	434505	1.69%	0.397%
64	18.955	2737	2743	2750	rBV8	148686	360829	1.40%	0.330%
65	19.284	2794	2799	2806	rBV2	1739036	2871329	11.14%	2.625%
66	19.342	2806	2809	2815	rVV2	501627	734281	2.85%	0.671%
67	19.401	2815	2819	2827	rVB3	344101	580161	2.25%	0.530%
68	19.501	2831	2836	2842	rBV	673772	841738	3.26%	0.769%
69	19.589	2842	2851	2855	rBV	1814204	3372291	13.08%	3.083%
70	19.636	2855	2859	2867	rVV	1512373	2472020	9.59%	2.260%
71	19.701	2867	2870	2884	rVB2	929492	1272127	4.93%	1.163%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	19.883	2897	2901	2903	rBV4	291277	389320	1.51%	0.356%
73	19.906	2903	2905	2910	rVB	618656	698289	2.71%	0.638%
74	19.971	2910	2916	2918	rBV2	889998	1486355	5.76%	1.359%
75	20.000	2918	2921	2928	rVB	1258604	1806060	7.00%	1.651%
76	20.435	2989	2995	3000	rBV	612127	1078320	4.18%	0.986%
77	20.482	3000	3003	3009	rVB2	268221	426094	1.65%	0.389%
78	20.553	3010	3015	3016	rBV4	162606	237991	0.92%	0.218%
79	20.582	3017	3020	3023	rVB	187104	224575	0.87%	0.205%
80	20.970	3073	3086	3101	rVB2	2779762	6399567	24.82%	5.850%
81	21.199	3118	3125	3132	rBV4	657356	1424668	5.53%	1.302%
82	21.305	3140	3143	3155	rVB4	323163	703210	2.73%	0.643%
83	21.475	3163	3172	3180	rVB4	577925	1809664	7.02%	1.654%
84	21.634	3194	3199	3206	rVB	968306	1754420	6.80%	1.604%
85	21.734	3208	3216	3224	rBV	16195079	25783616	100.00%	23.568%
86	21.892	3233	3243	3248	rBV2	1275120	3205062	12.43%	2.930%
87	21.945	3248	3252	3256	rVB	543832	835678	3.24%	0.764%
88	22.098	3273	3278	3284	rVB6	371821	681797	2.64%	0.623%
89	22.163	3284	3289	3295	rBV2	375351	646730	2.51%	0.591%
90	22.380	3321	3326	3335	rVB	871038	1406298	5.45%	1.285%
91	22.868	3406	3409	3420	rVB9	238662	556766	2.16%	0.509%
92	23.343	3484	3490	3501	rBV6	274571	792907	3.08%	0.725%
93	24.213	3631	3638	3647	rBV3	516033	1722658	6.68%	1.575%
94	24.877	3746	3751	3762	rVB6	185577	518566	2.01%	0.474%
95	24.995	3765	3771	3777	rVB3	187977	438615	1.70%	0.401%
96	25.083	3779	3786	3792	rBV2	332957	947510	3.67%	0.866%
97	25.153	3792	3798	3814	rVB	428515	1391432	5.40%	1.272%
98	25.318	3817	3826	3834	rBV3	504484	1434500	5.56%	1.311%
99	25.893	3918	3924	3937	rVB5	202469	584656	2.27%	0.534%
100	29.242	4486	4494	4517	rVB3	178022	893125	3.46%	0.816%

Sum of corrected areas: 109398974

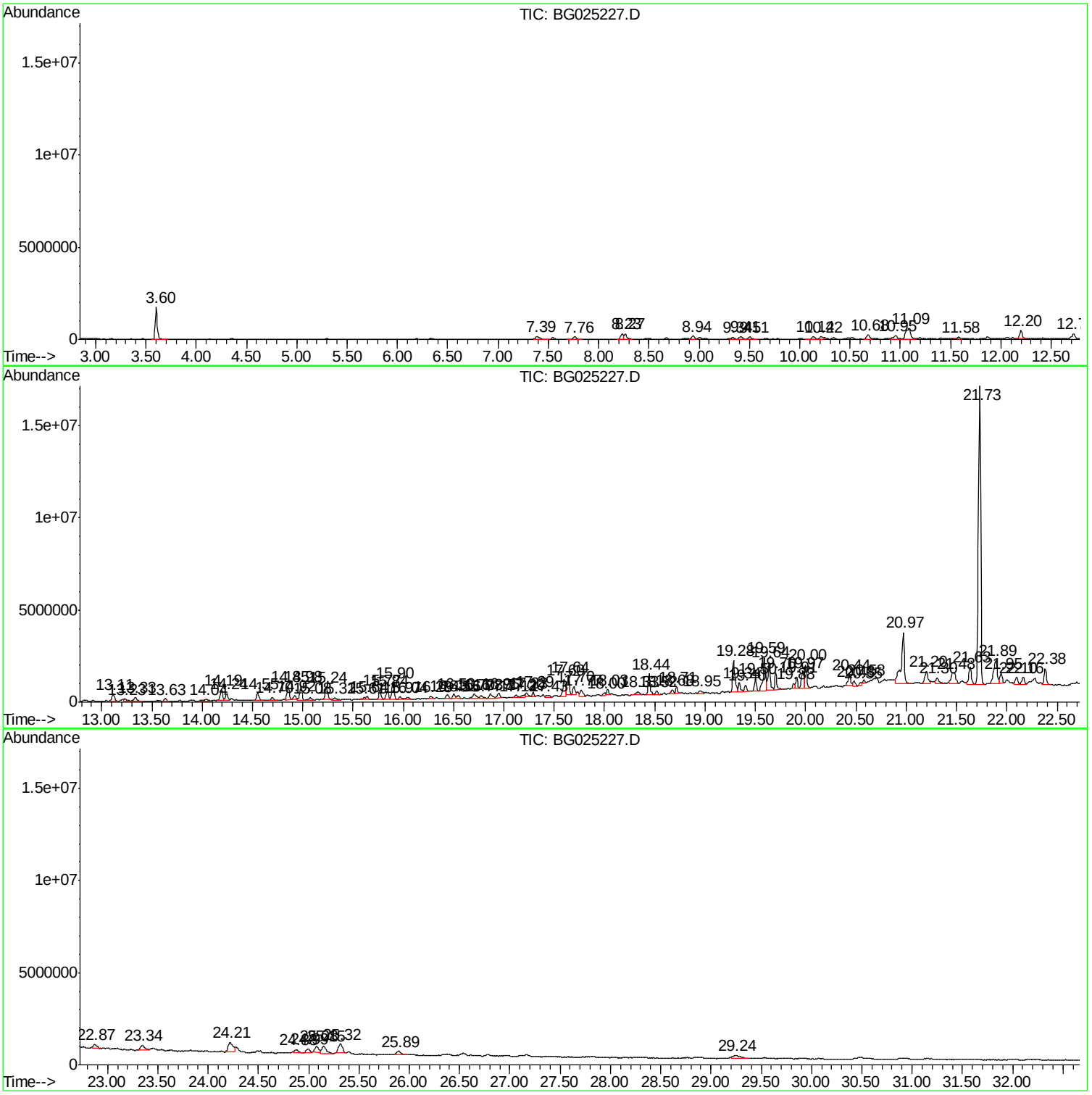
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

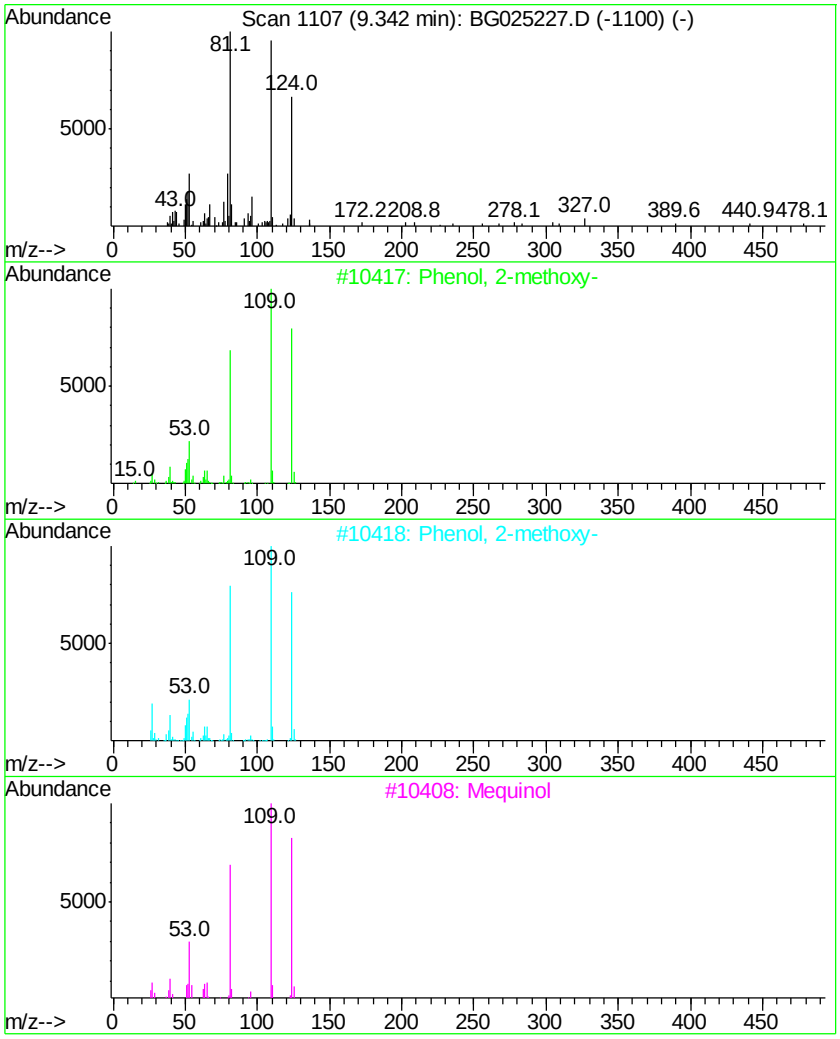
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

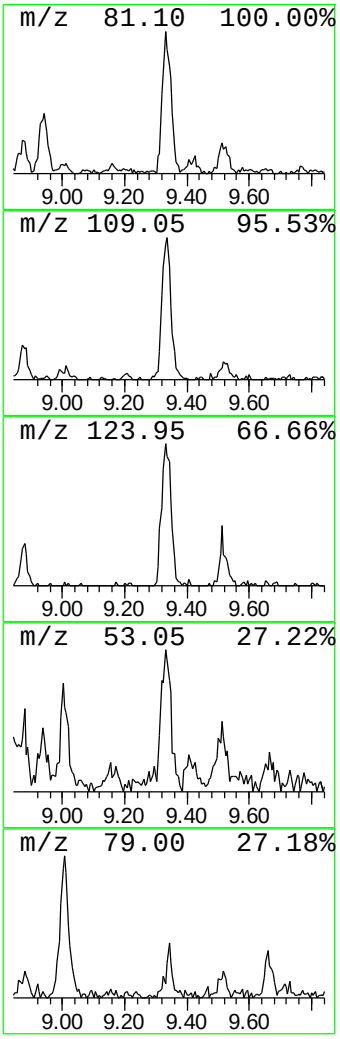
****

Peak Number 1 Phenol, 2-methoxy- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	7.13 ng/ul	195934	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	93
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	90
3	Mequinol	124	C7H8O2	000150-76-5	87
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	86
5	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

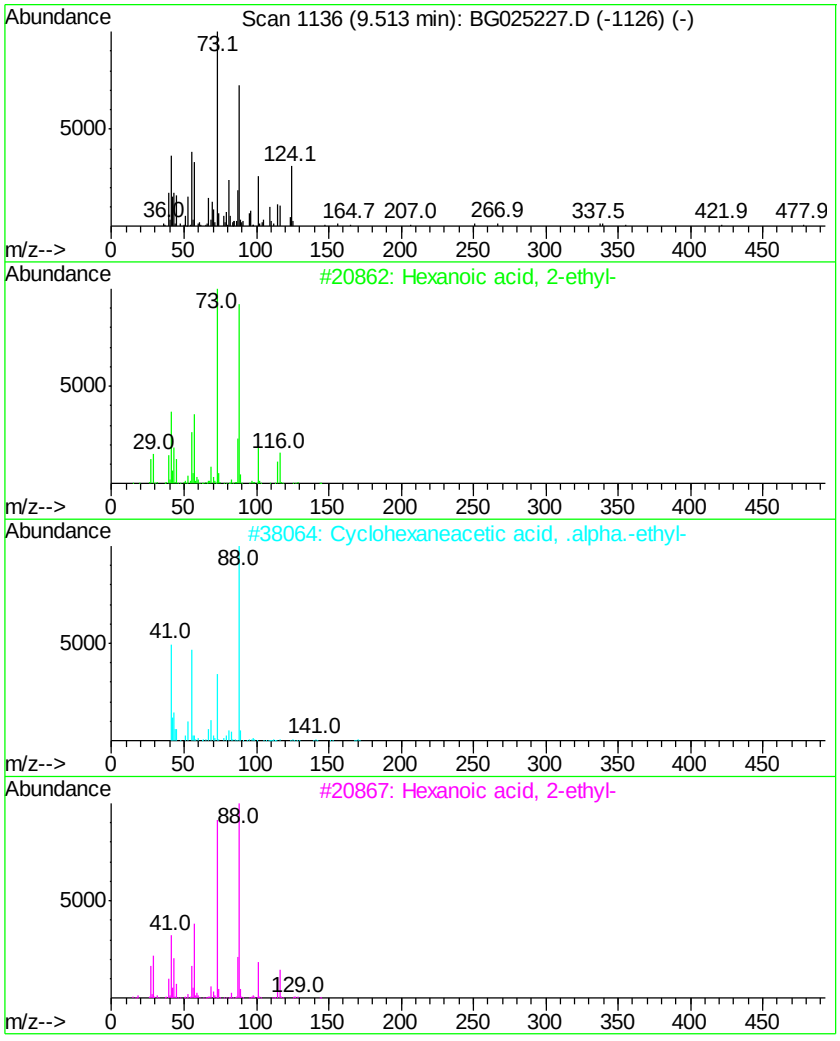
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

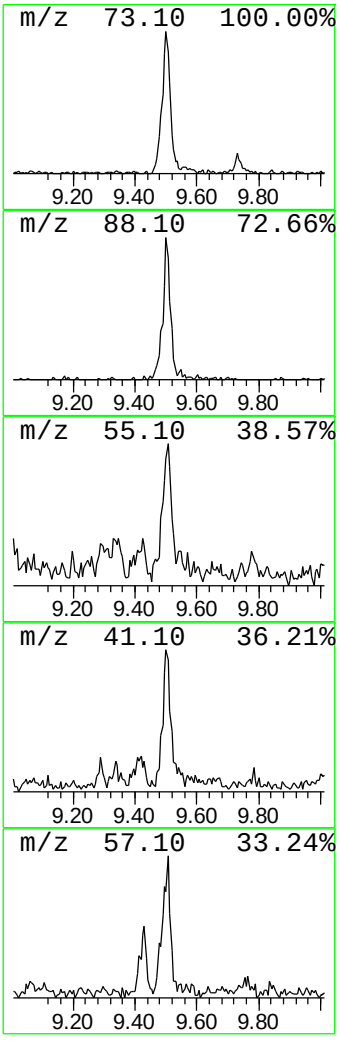
****

Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	9.33 ng/ul	256326	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	56
2	Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	47
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	45
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	38
5	5-(Methylamino)-1,2,3,4-thiatria...	116	C2H4N4S	052098-72-3	38





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

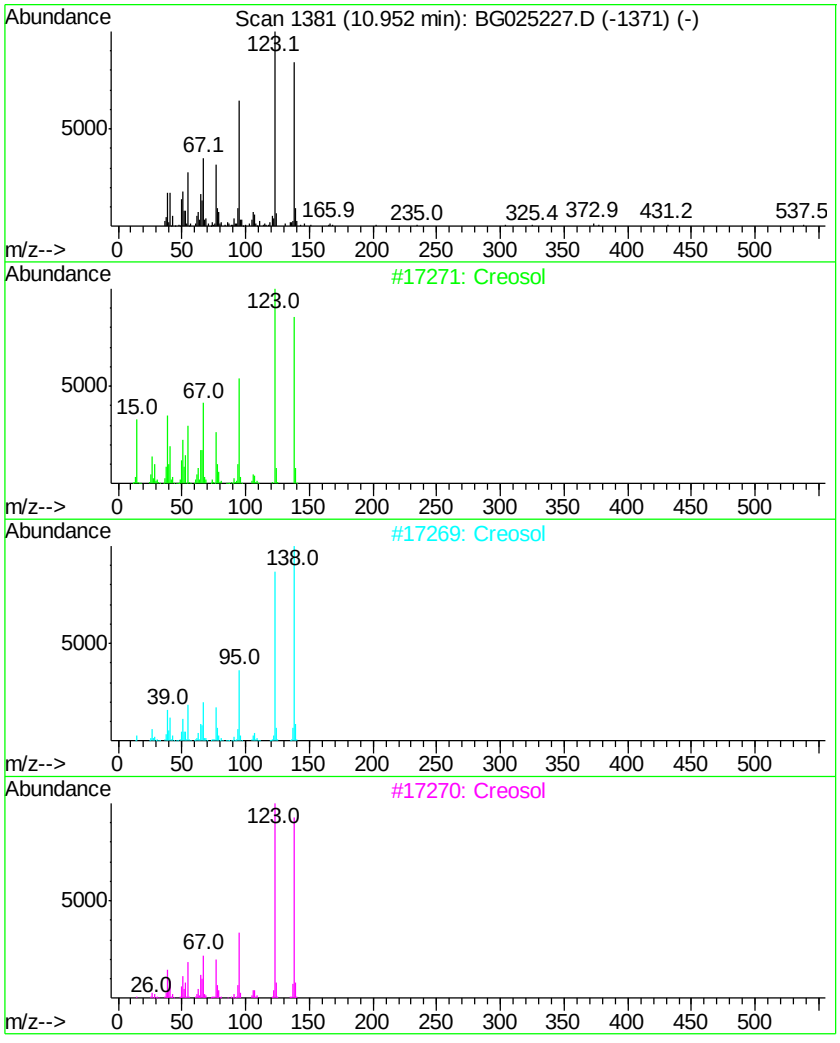
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

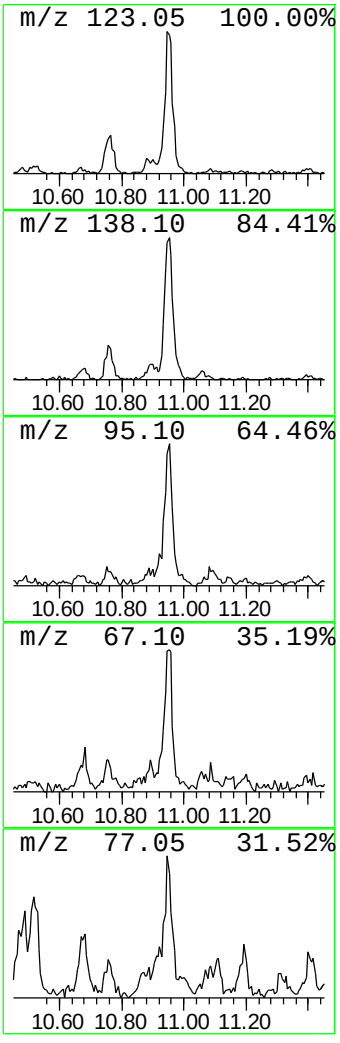
****

Peak Number 3 Creosol Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	5.17 ng/ul	493745	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Creosol	138	C8H10O2	000093-51-6	97
2	Creosol	138	C8H10O2	000093-51-6	94
3	Creosol	138	C8H10O2	000093-51-6	93
4	2-Methoxy-5-methylphenol	138	C8H10O2	001195-09-1	80
5	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

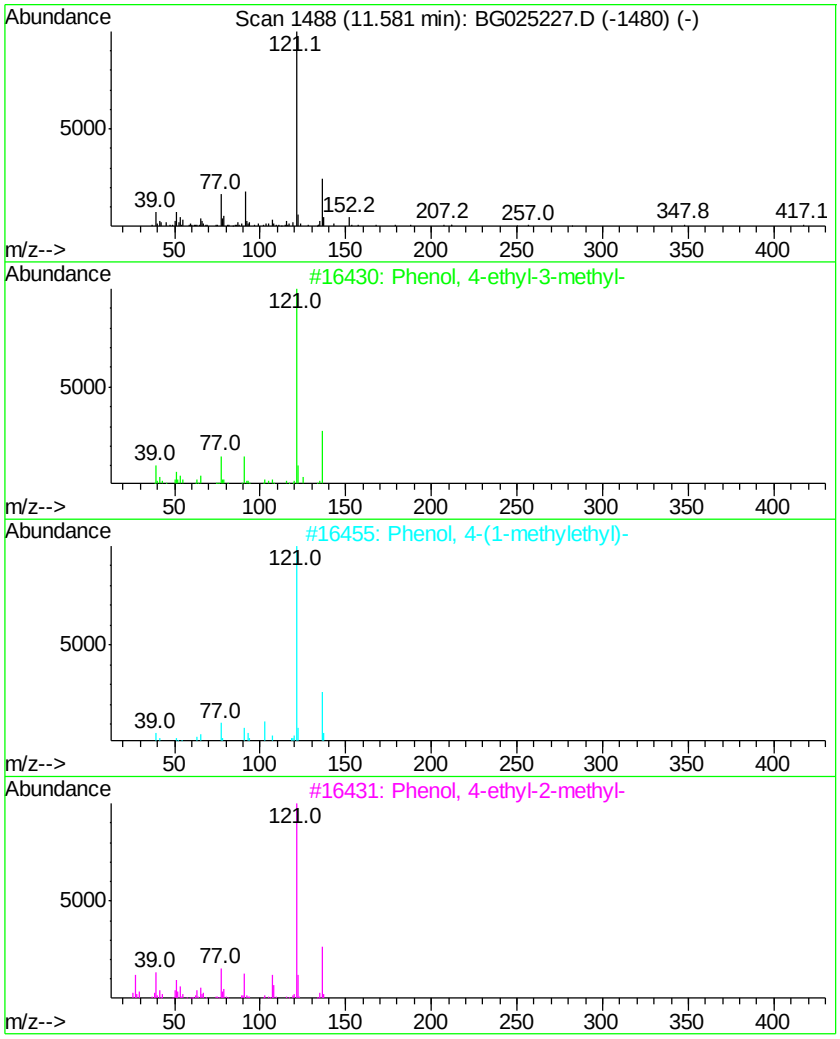
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

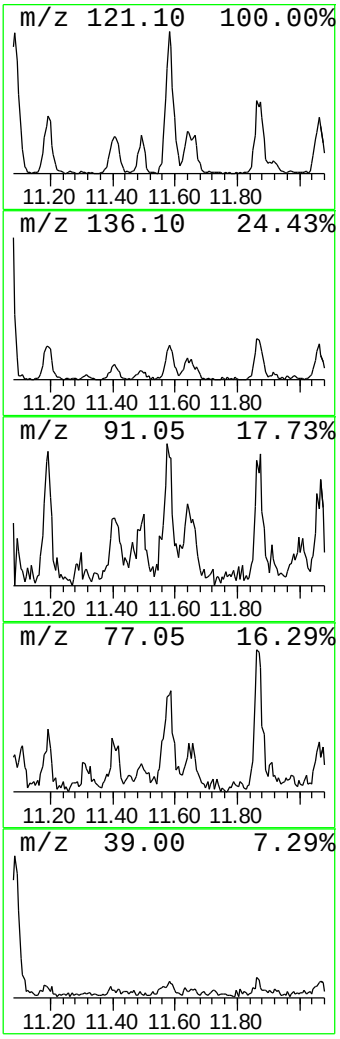
****

Peak Number 4 Phenol, 4-ethyl-3-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	2.48 ng/ul	237242	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	87
2	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	80
3	Phenol, 4-ethyl-2-methyl-	136	C9H12O	002219-73-0	80
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	72
5	Phenol, 2-(1-methylethyl)-, meth...	193	C11H15NO2	002631-40-5	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

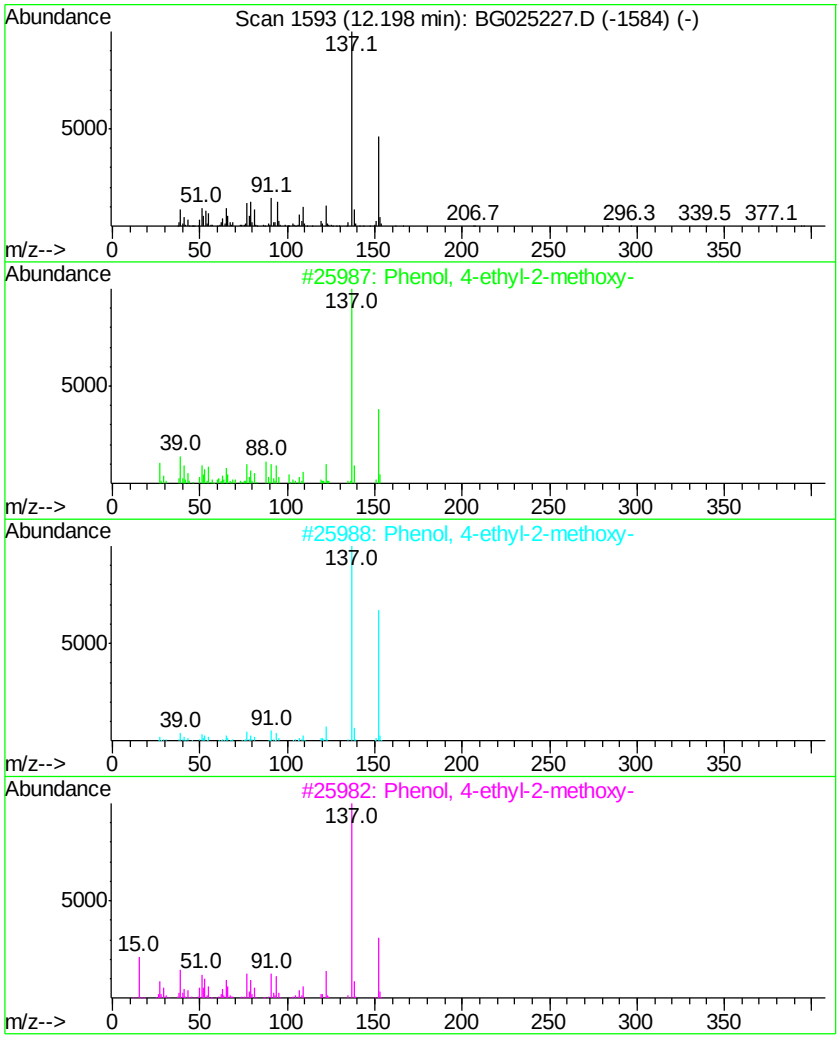
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

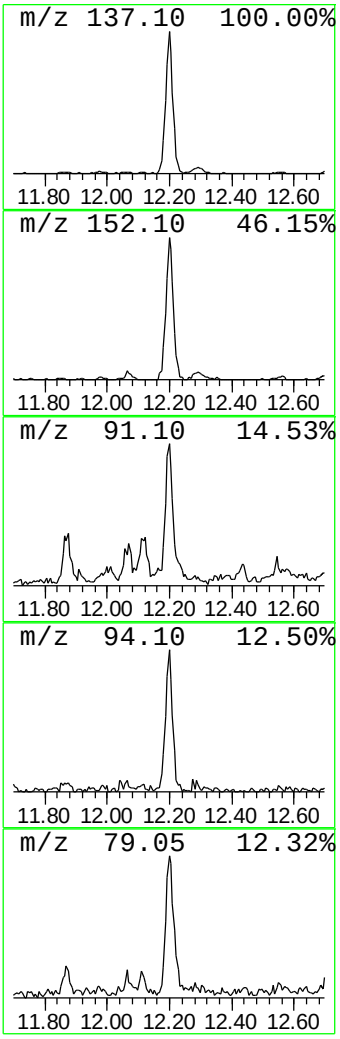
****

Peak Number 5 Phenol, 4-ethyl-2-methoxy- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	8.44 ng/ul	805536	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	94
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	91
3	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	90
4	Benzenethiol, o-isopropyl-,	152	C9H12S	006262-87-9	83
5	4-Isopropylthiophenol	152	C9H12S	004946-14-9	80





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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

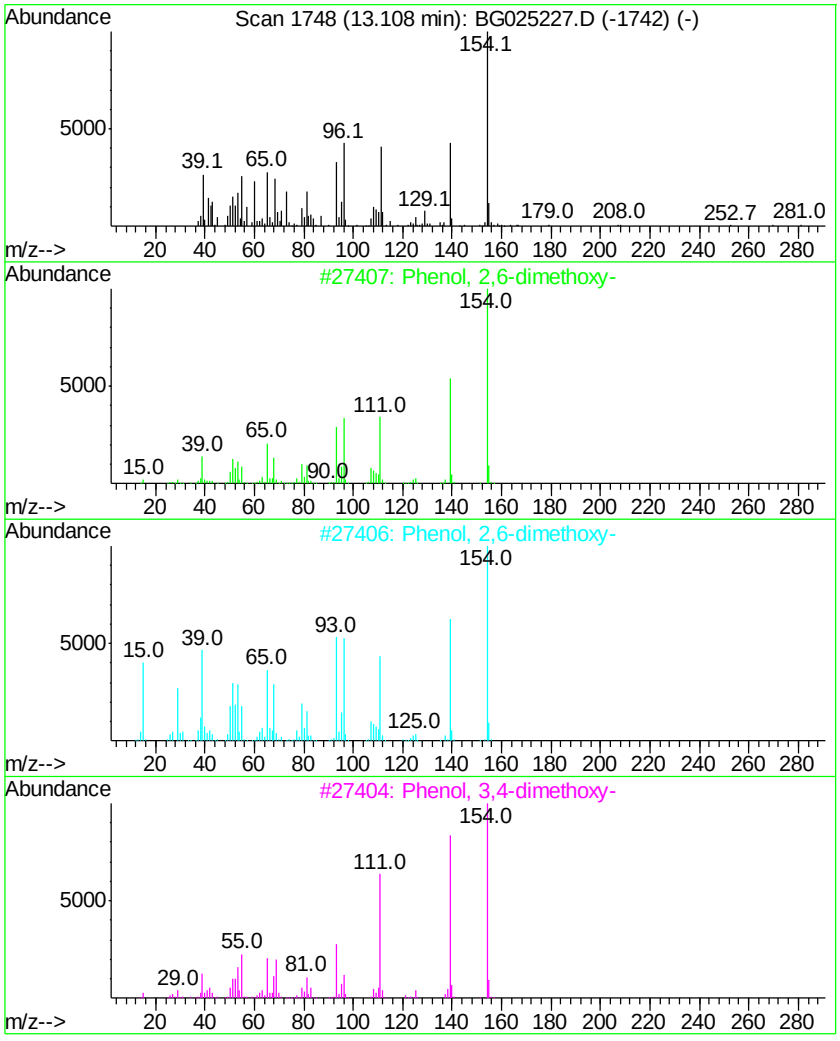
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

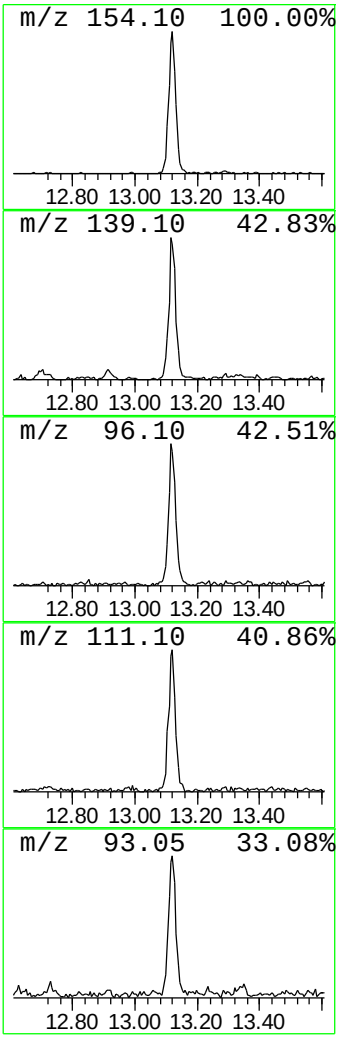
****

Peak Number 6 Phenol, 2,6-dimethoxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	11.77 ng/ul	682563	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	92
2	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	87
3	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	62
4	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	49
5	3-Amino-2,6-dimethoxypyridine	154	C7H10N2O2	028020-37-3	43





Library Search Compound Report

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Sample : H5995-02
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Instrument : BNA_G
ClientSampleId : DA863

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Quant Title : SVOA CALIBRATION

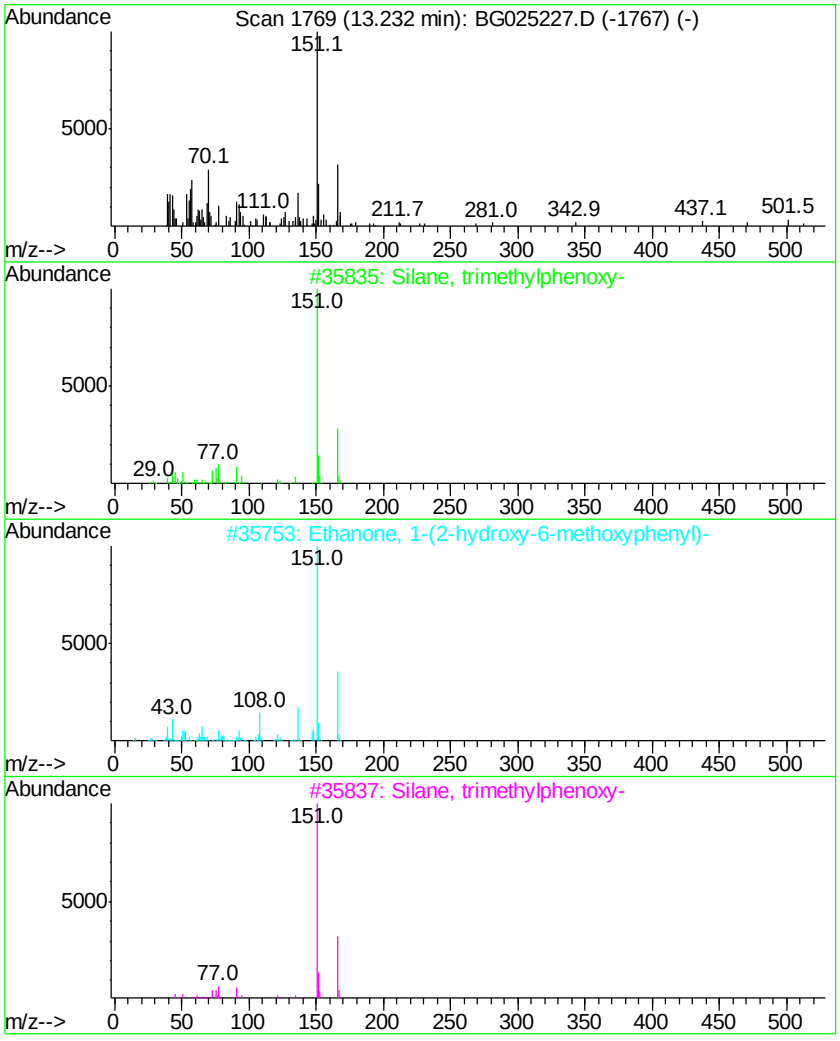
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

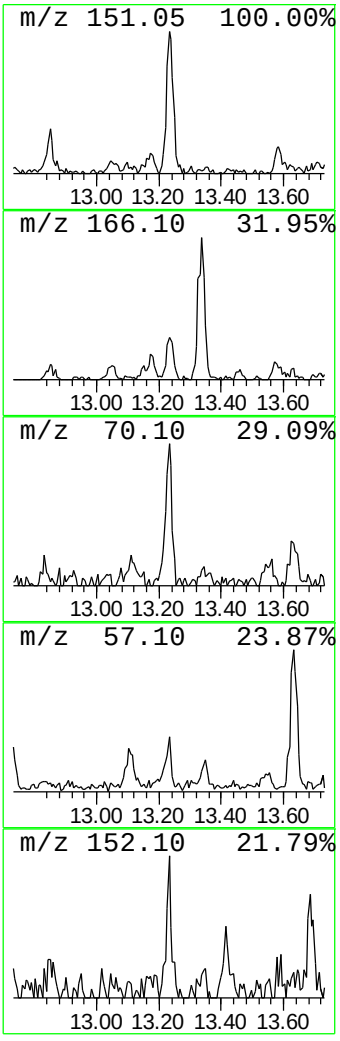
****

Peak Number 7 Silane, trimethylphenoxy- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	3.43 ng/ul	198805	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trimethylphenoxy-	166	C9H14OSi	001529-17-5	58
2	Ethanone, 1-(2-hydroxy-6-methoxy...	166	C9H10O3	000703-23-1	50
3	Silane, trimethylphenoxy-	166	C9H14OSi	001529-17-5	50
4	Silane, trimethylphenoxy-	166	C9H14OSi	001529-17-5	50
5	Ethanone, 1-(2-hydroxy-6-methoxy...	166	C9H10O3	000703-23-1	50





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

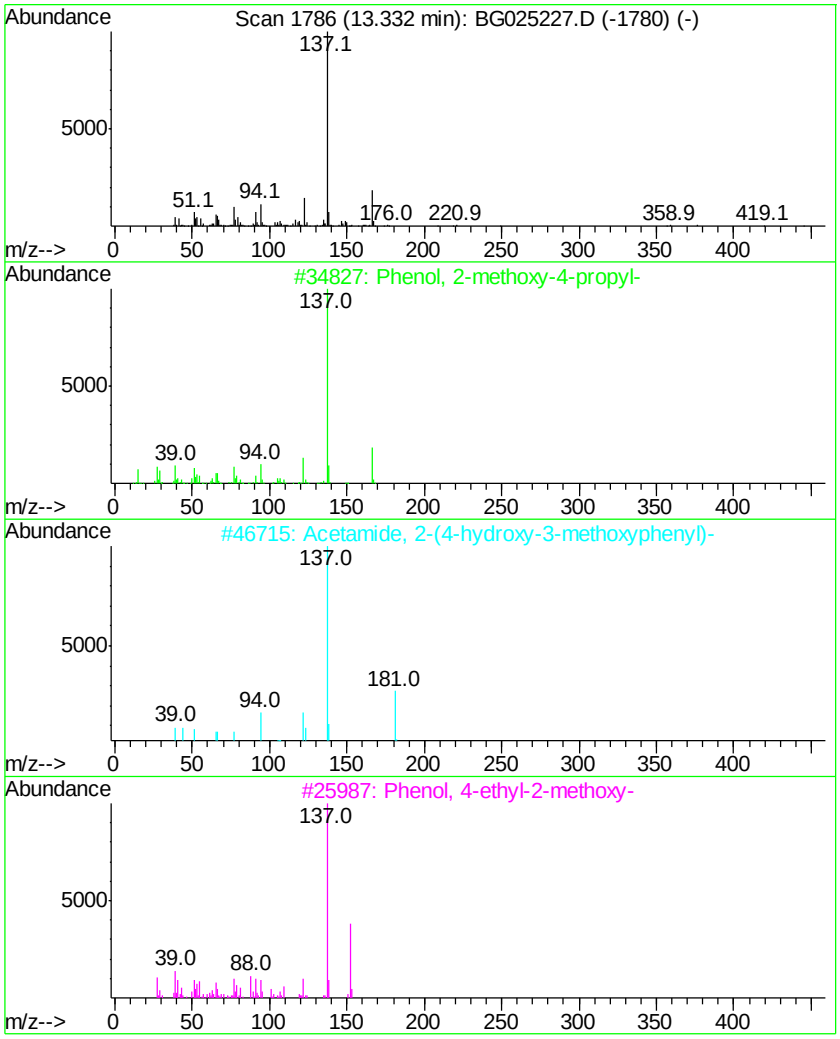
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

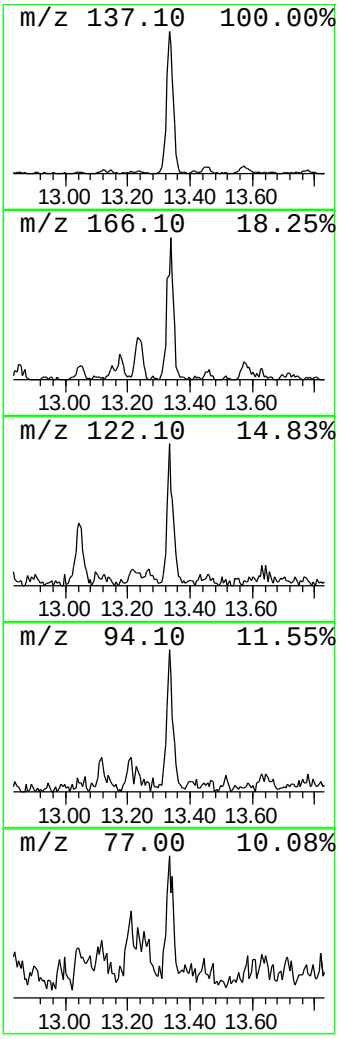
****

Peak Number 8 Phenol, 2-methoxy-4-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	7.44 ng/ul	431517	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-4-propyl-	166	C10H14O2	002785-87-7	87
2	Acetamide, 2-(4-hydroxy-3-methox...	181	C9H11NO3	029121-49-1	72
3	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	72
4	Phenol, 2-methoxy-4-propyl-	166	C10H14O2	002785-87-7	64
5	Homovanillyl alcohol	168	C9H12O3	002380-78-1	64





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Acq On : 16 Dec 2016 1:11
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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

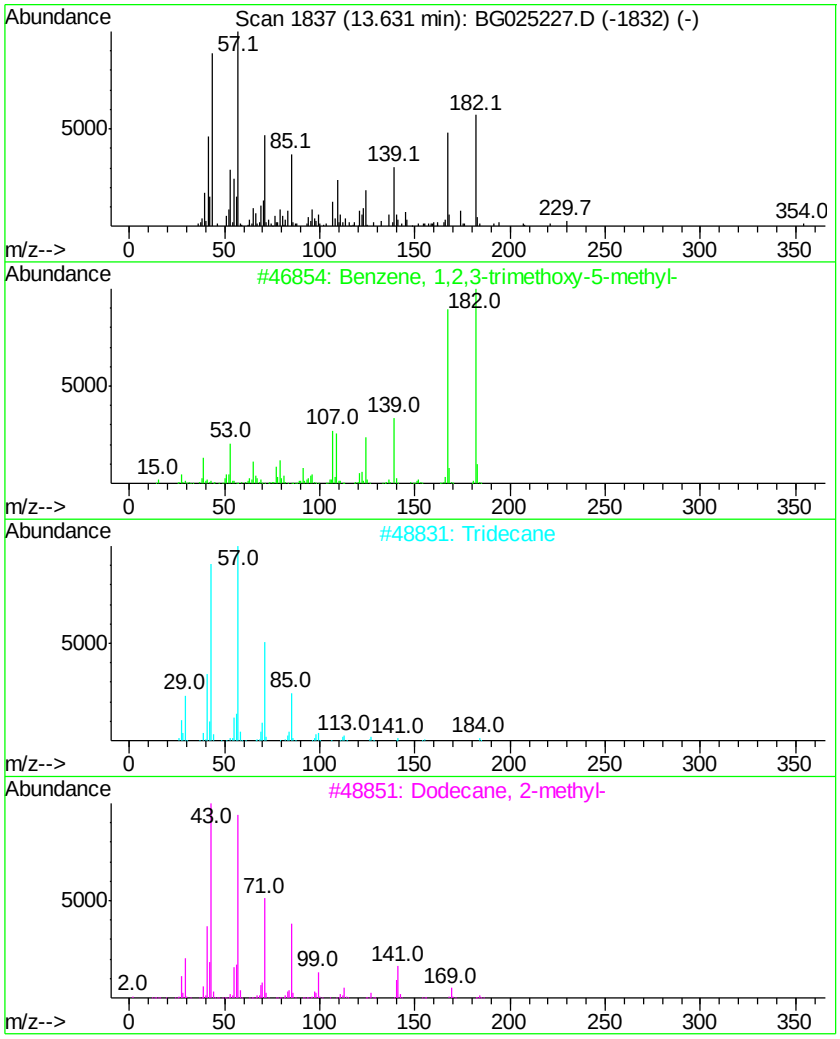
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

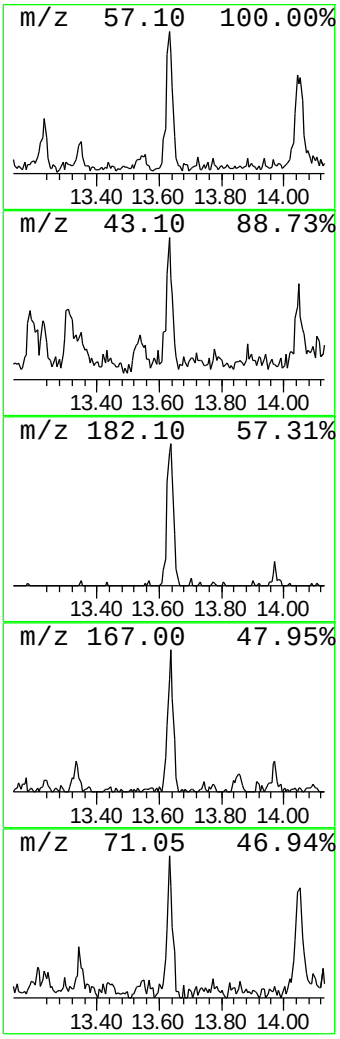
****

Peak Number 9 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	3.90 ng/ul	226451	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	43
2	Tridecane	184	C13H28	000629-50-5	38
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	30
4	Heptacosane	380	C27H56	000593-49-7	25
5	1-Methyl-1,6-diazaplenalene	182	C12H10N2	079691-99-9	25





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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

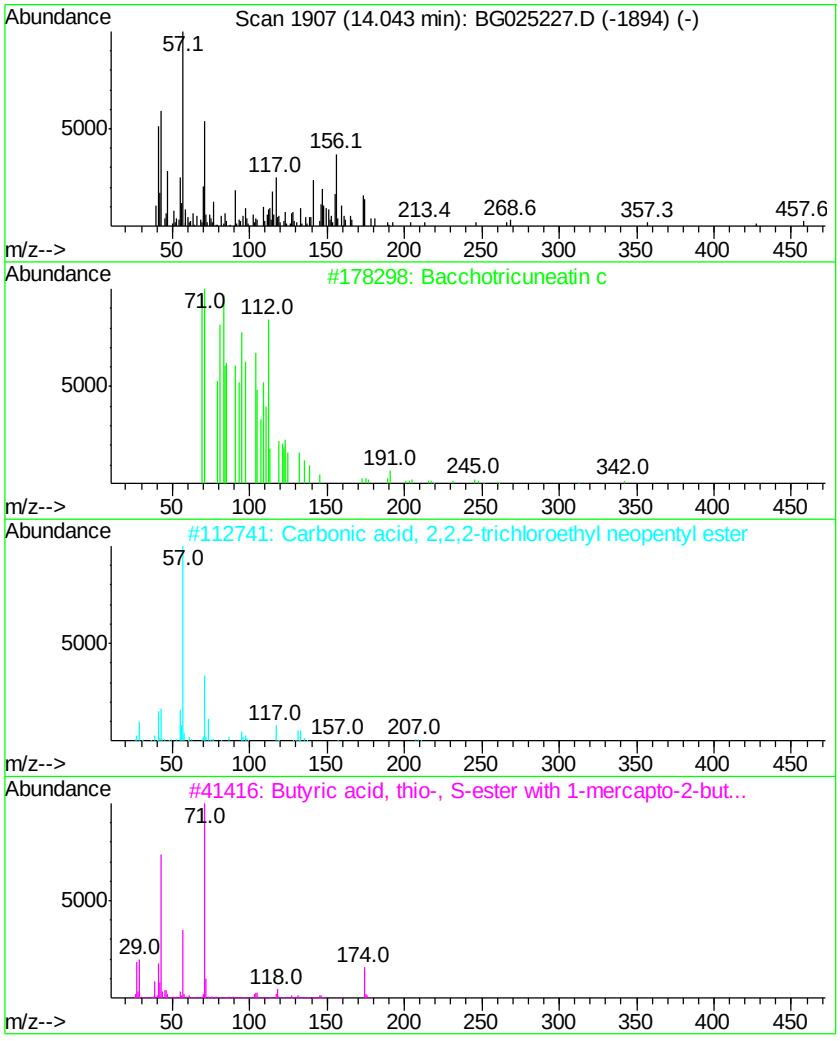
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

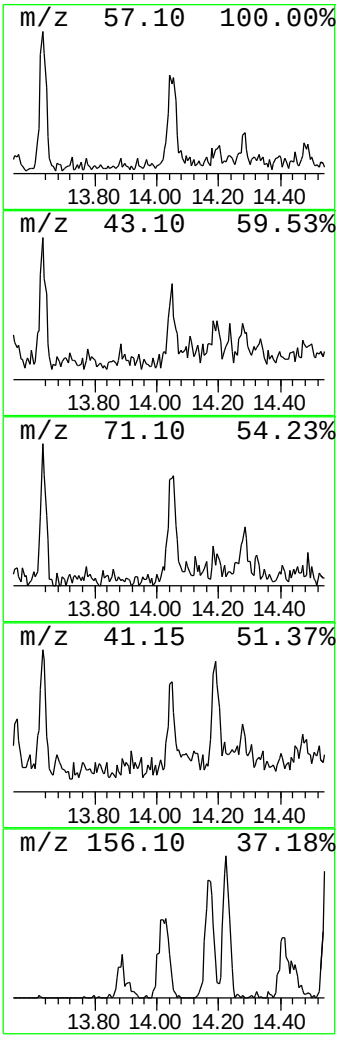
****

Peak Number 10 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.99 ng/ul	231167	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	15
2	Carbonic acid, 2,2,2-trichloroet...	262	C8H13Cl3O3	1000357-89-3	14
3	Butyric acid, thio-, S-ester wit...	174	C8H14O2S	032132-35-7	14
4	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	14
5	Pyrrolidine, 1-(1-oxobutyl)-	141	C8H15NO	033527-93-4	12





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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

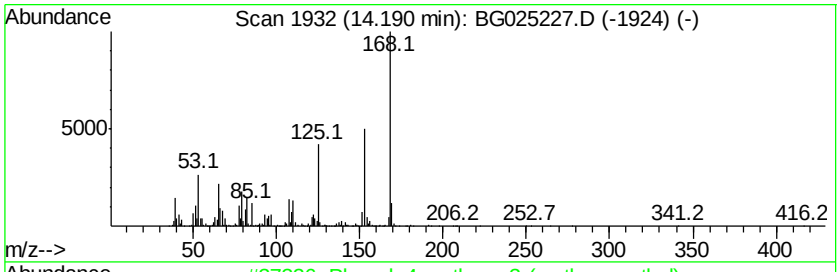
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

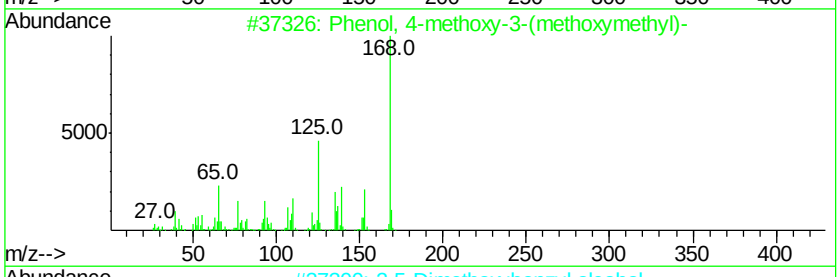
****

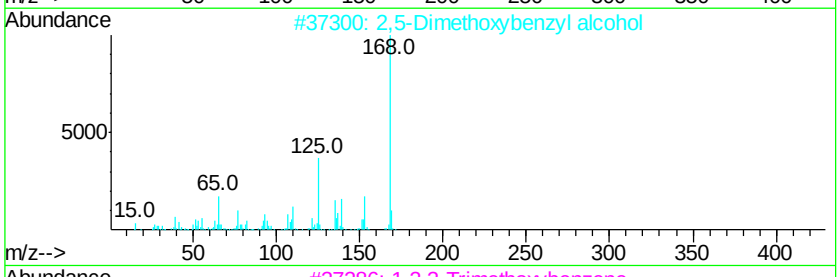
Peak Number 11 Phenol, 4-methoxy-3-(methox... Concentration Rank 5

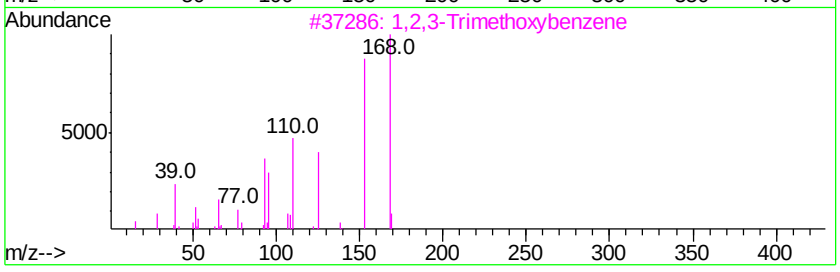
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	18.47 ng/ul	1071230	Acenaphthene-d10	14.85

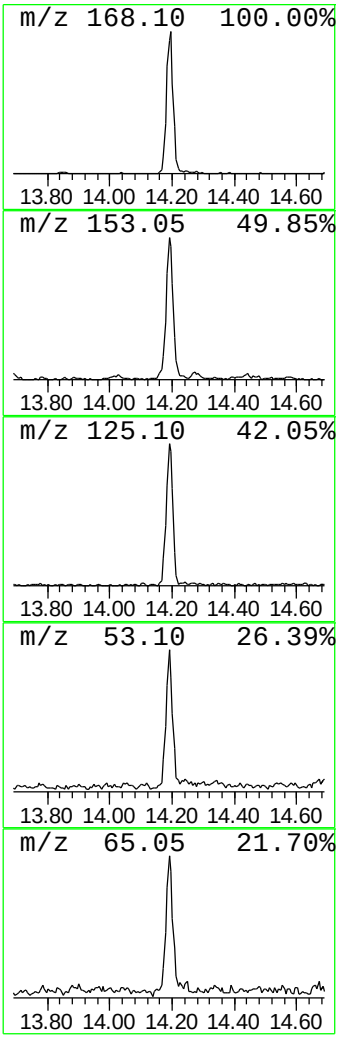
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methoxy-3-(methoxymeth...	168	C9H12O3	059907-65-2	58
2	2,5-Dimethoxybenzyl alcohol	168	C9H12O3	033524-31-1	49
3	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	49
4	Dehydroacetic Acid	168	C8H8O4	000520-45-6	47
5	Benzenamine, 2-methoxy-4-nitro-	168	C7H8N2O3	000097-52-9	47











Library Search Compound Report

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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

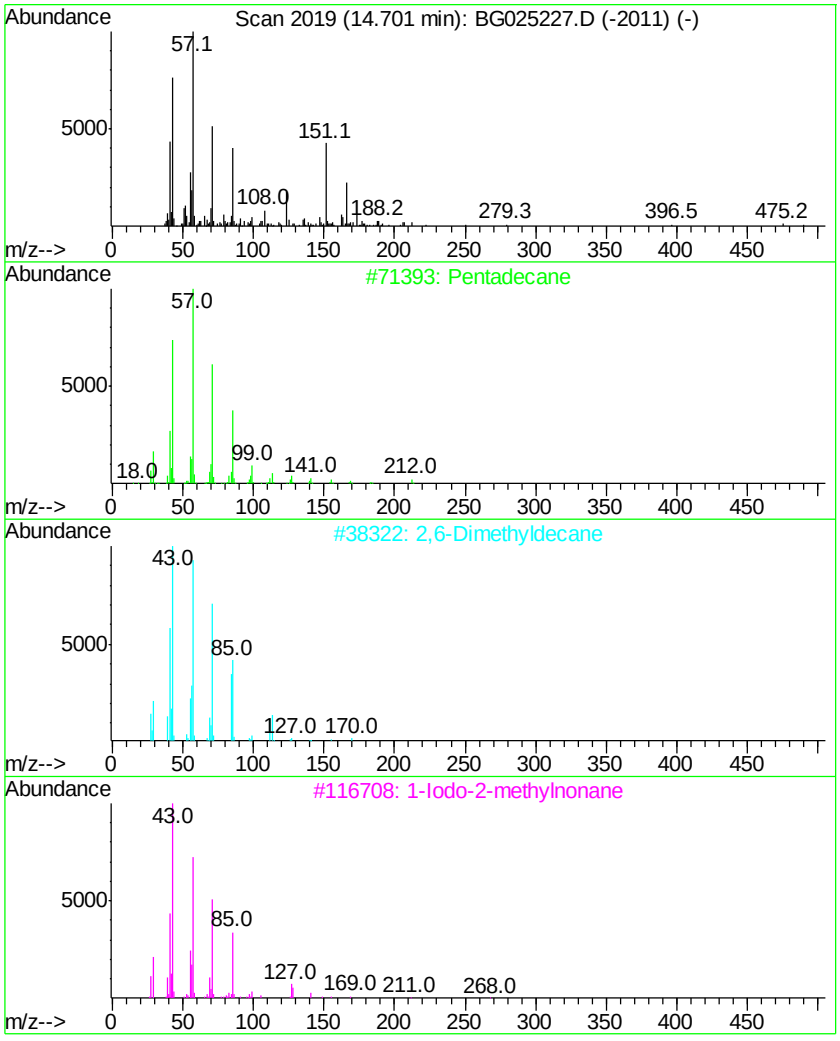
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

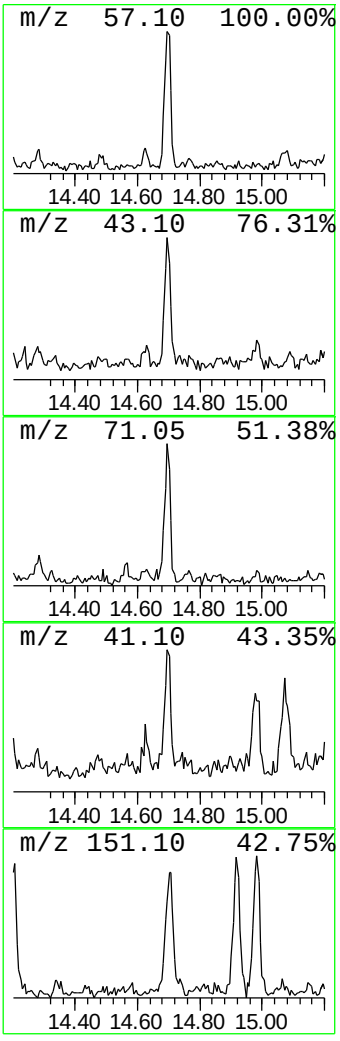
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	4.80 ng/ul	278420	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	46
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	43
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	43
4	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	43
5	Decane	142	C10H22	000124-18-5	43





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Acq On : 16 Dec 2016 1:11
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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

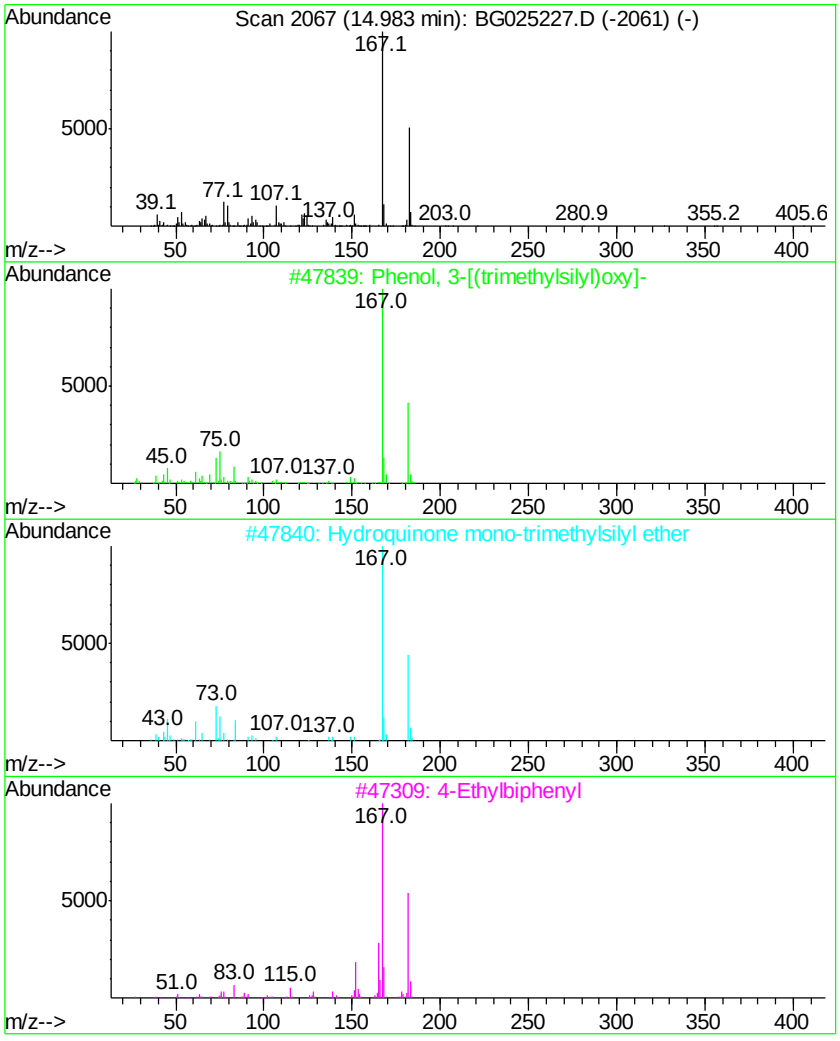
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

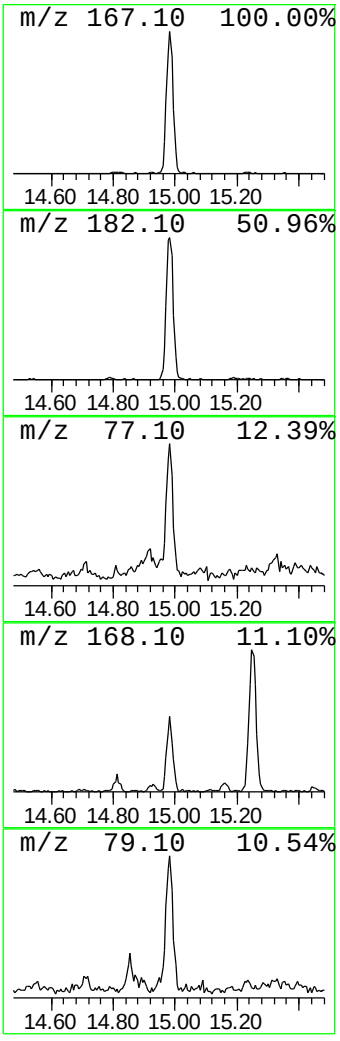
****

Peak Number 13 Phenol, 3-[(trimethylsilyl)... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	20.79 ng/ul	1205630	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-[(trimethylsilyl)oxy]-	182	C9H14O2Si	017882-01-8	64
2	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	64
3	4-Ethylbiphenyl	182	C14H14	005707-44-8	64
4	4,4-Dimethyl-5-methylene-2-allyl...	182	C9H14N2S	037120-29-9	64
5	Ethanone, 1-(2,6-dihydroxy-4-met...	182	C9H10O4	007507-89-3	59





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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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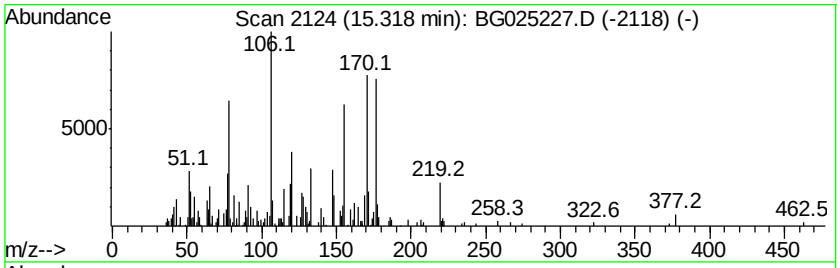
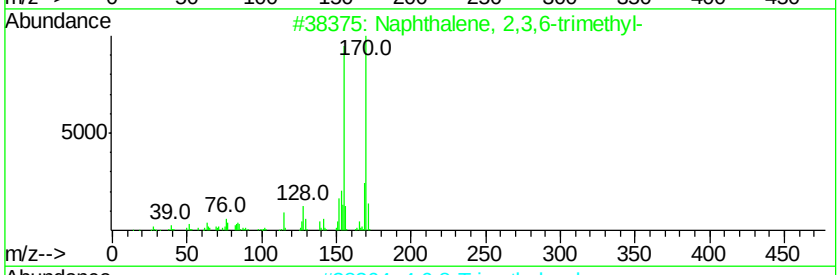
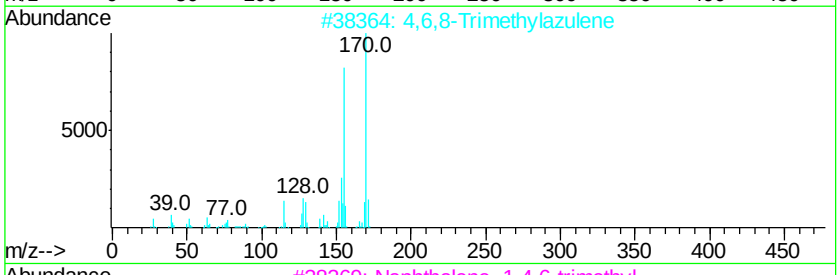
Peak Number 14 unknown-03 Concentration Rank 29

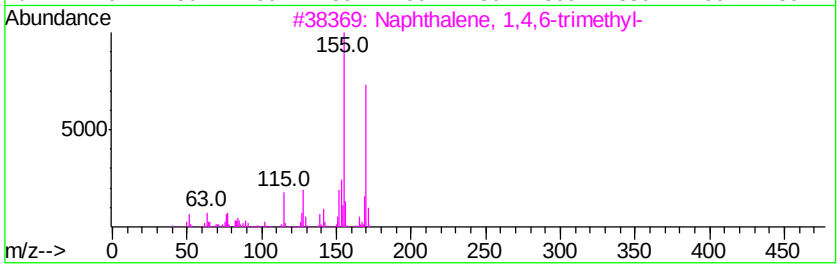
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	4.83 ng/ul	280092	Acenaphthene-d10	14.85

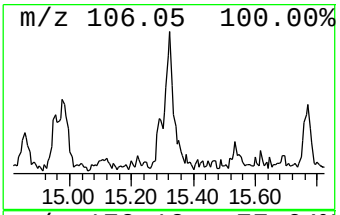
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	35
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	35
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	35
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	35
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	35

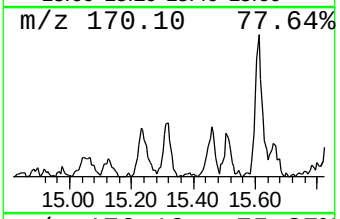


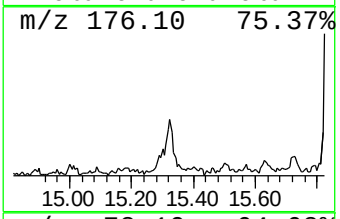


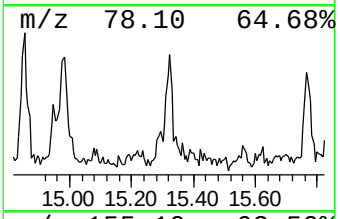


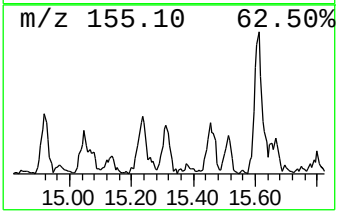












Library Search Compound Report

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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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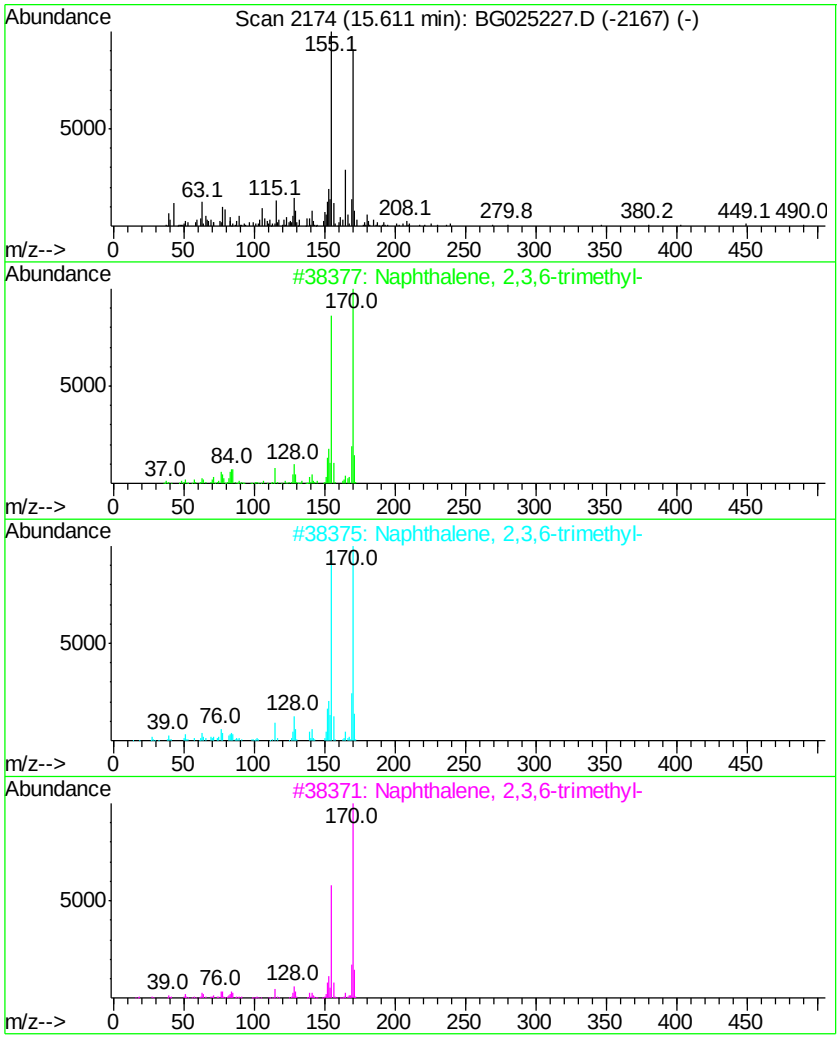
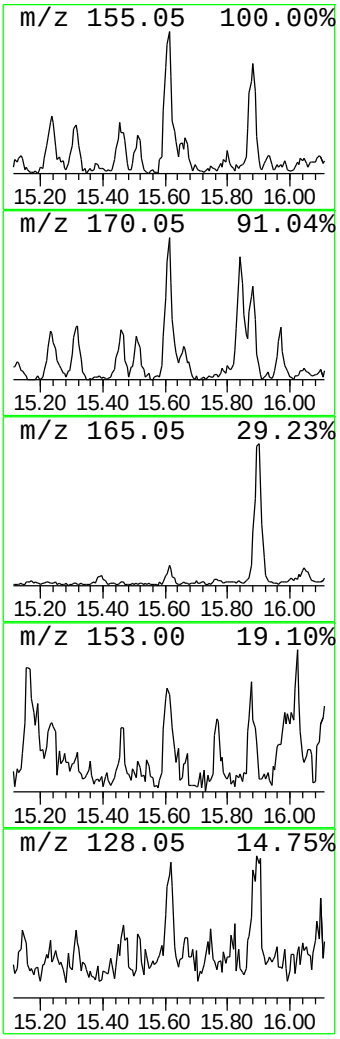
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	3.64 ng/ul	211346	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	72
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	72





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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

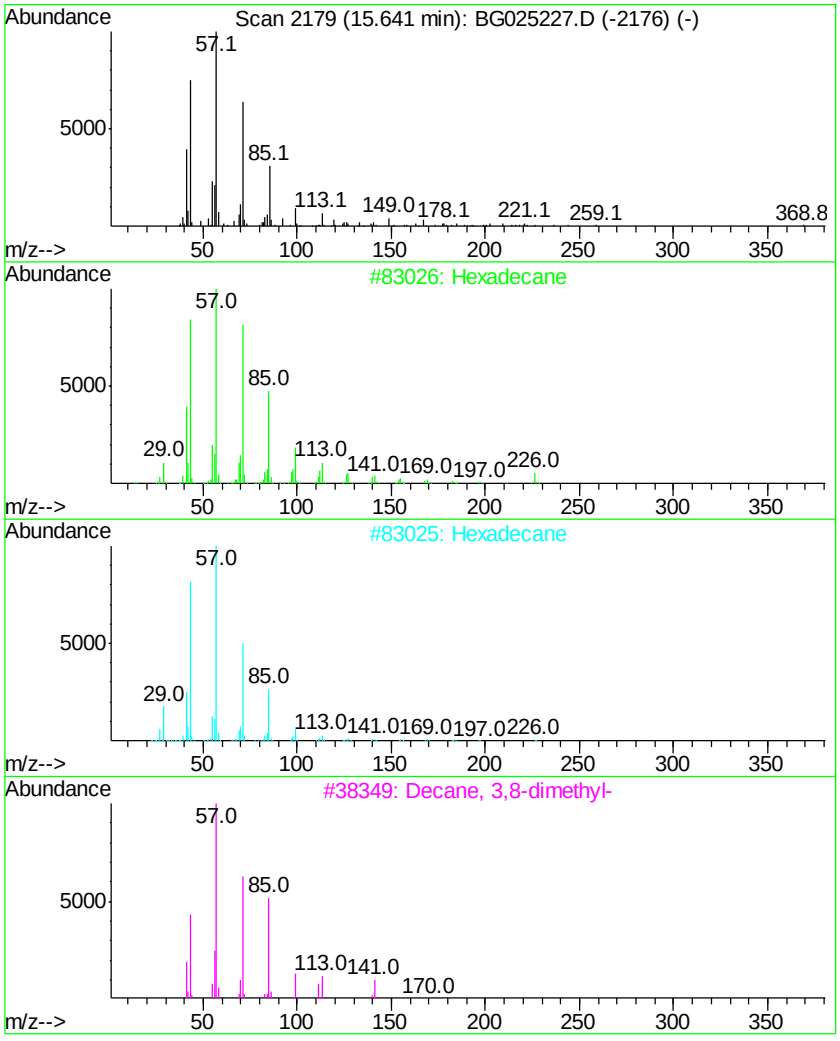
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

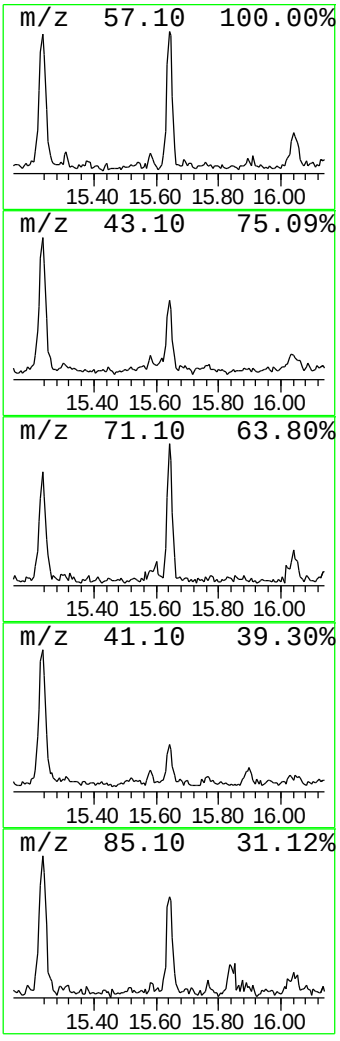
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	4.25 ng/ul	246297	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Hexadecane	226	C16H34	000544-76-3	87
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	78
4	Tetratetracontane	619	C44H90	007098-22-8	78
5	5-Ethyldecane	170	C12H26	017302-36-2	72





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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

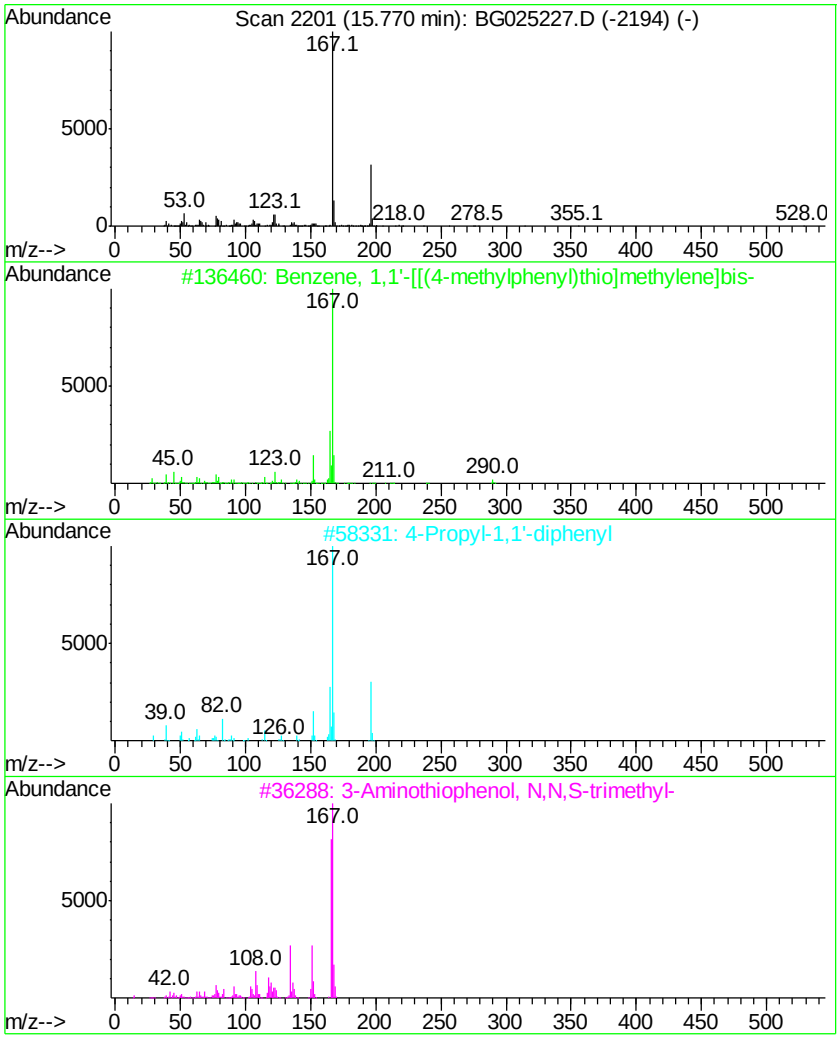
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

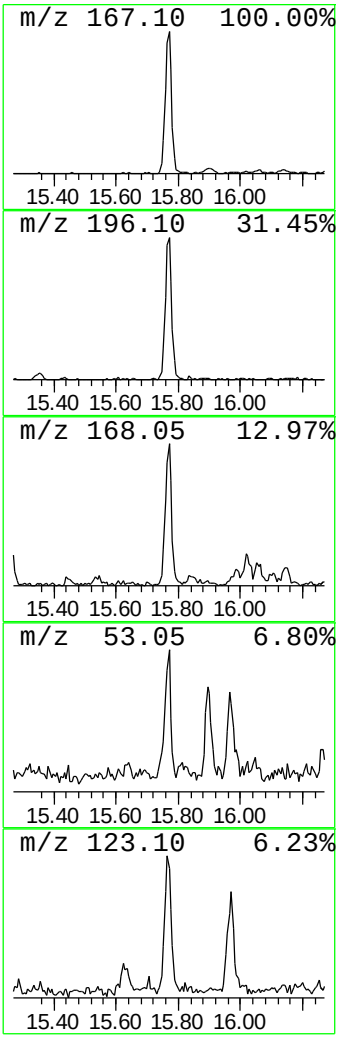
****

Peak Number 17 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	12.91 ng/ul	748654	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	42
2	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	37
3	3-Aminothiophenol, N,N,S-trimethyl-	167	C9H13NS	1000353-08-1	36
4	Benzaldehyde, 4-[[4-(acetyloxy)-...	360	C19H20O7	055525-41-2	36
5	2,4-Hexadienedioic acid, 3-methy...	226	C12H18O4	069796-13-0	36





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Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

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Quant Title : SVOA CALIBRATION

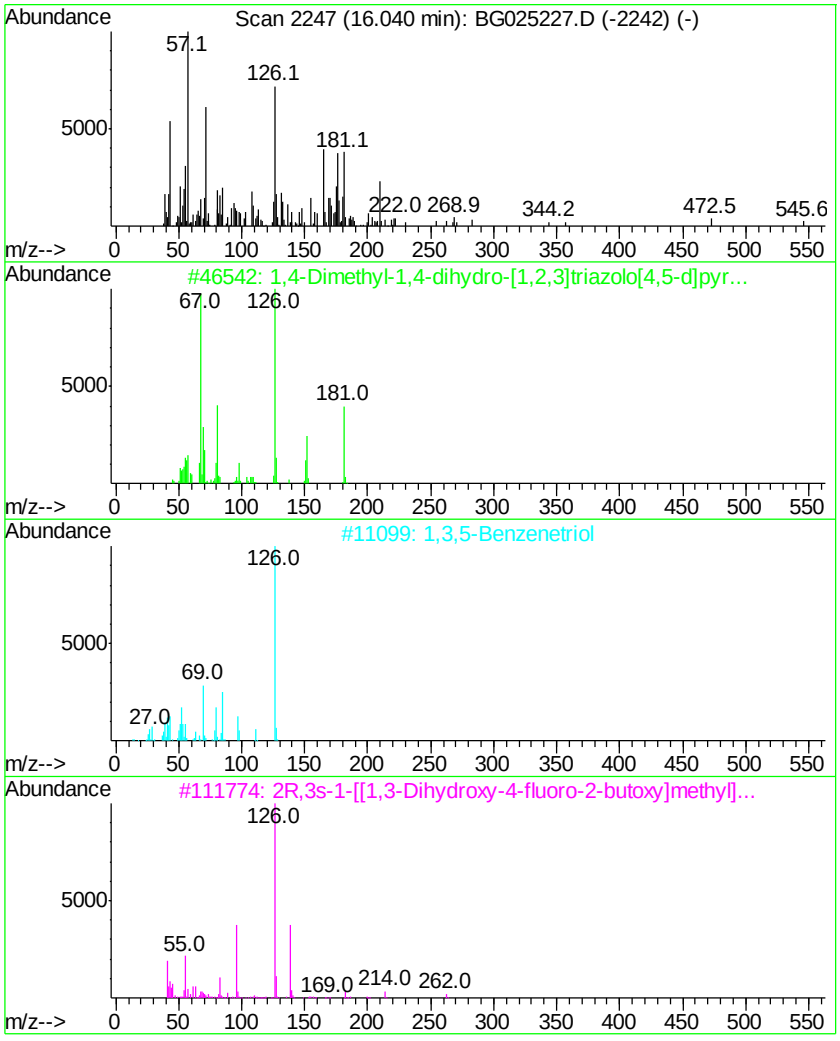
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

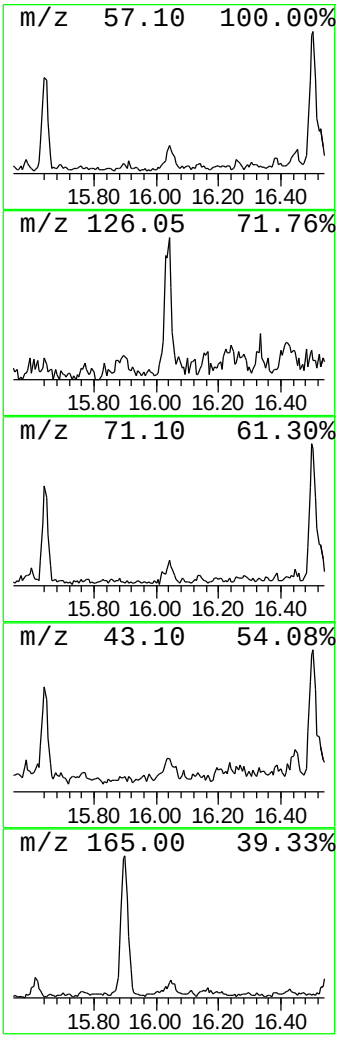
****

Peak Number 18 unknown-05 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.50 ng/ul	202982	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-1,4-dihydro-[1,2,3]...	181	C6H7N5O2	1000300-58-7	14
2	1,3,5-Benzenetriol	126	C6H6O3	000108-73-6	14
3	2R,3s-1-[[1,3-Dihydroxy-4-fluoro...	262	C10H15FN2O5	123903-61-7	11
4	Pyrazole-5-carboxylic acid, 3-me...	126	C5H6N2O2	000696-22-0	11
5	1-Hexanone, 1-(2-thienyl)-	182	C10H14OS	026447-67-6	10





Library Search Compound Report

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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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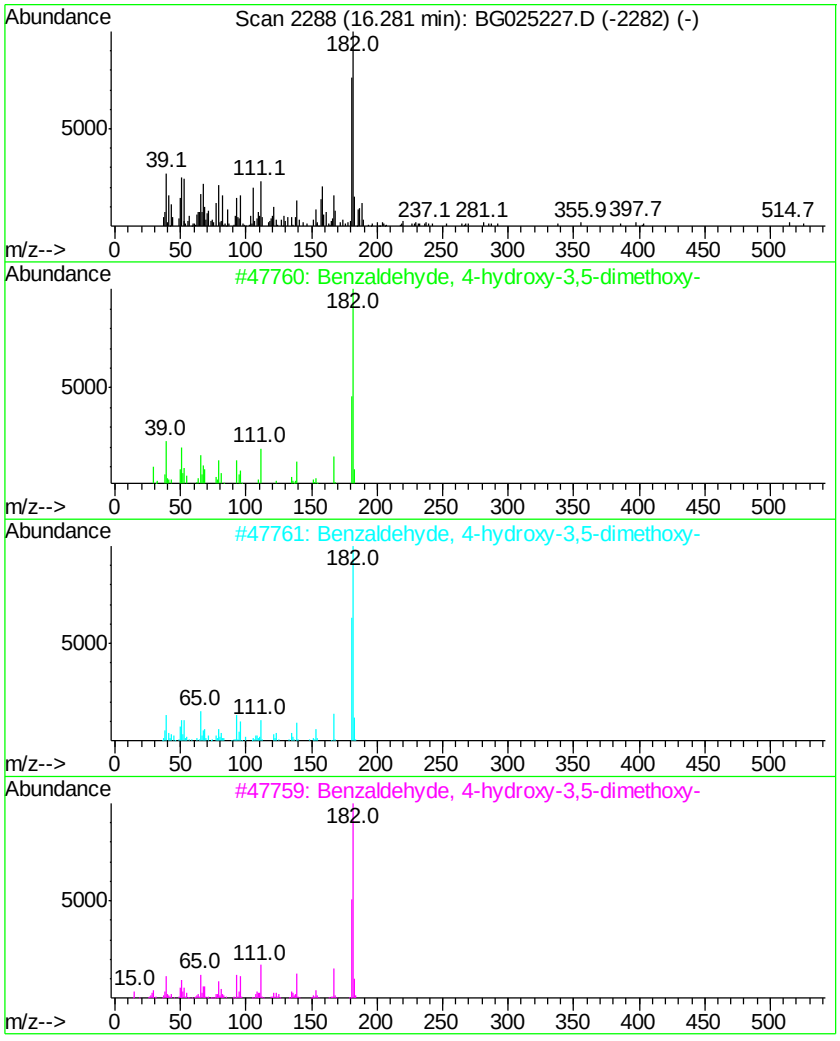
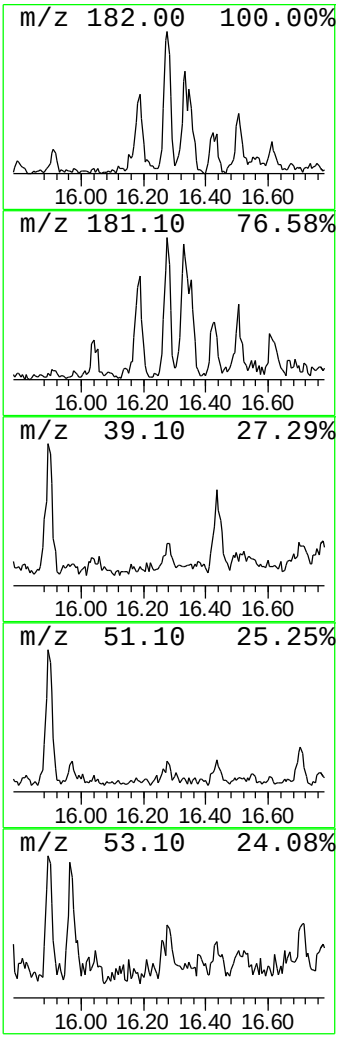
Peak Number 19 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	2.69 ng/ul	256707	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	97
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	76
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	52





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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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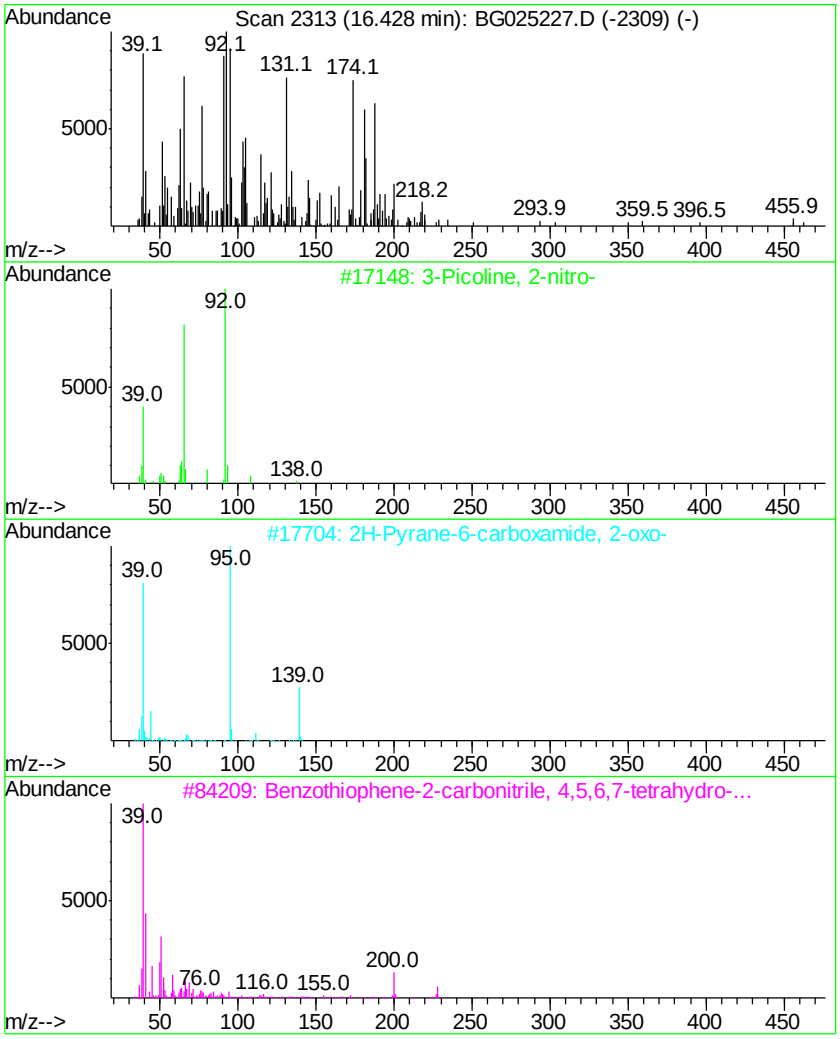
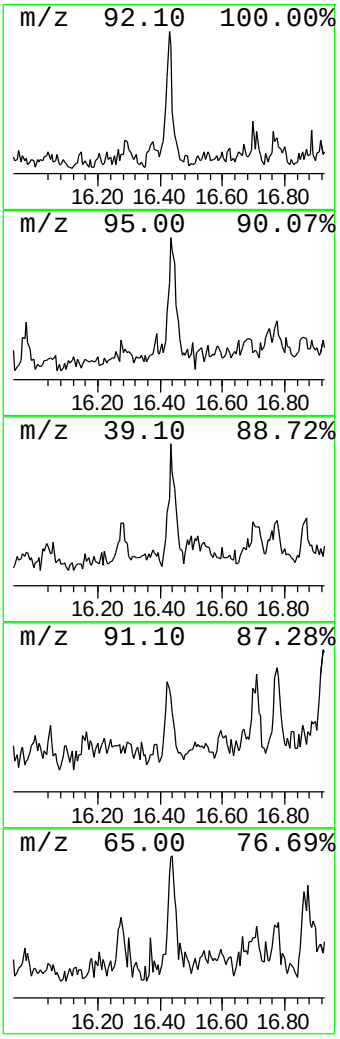
Peak Number 20 unknown-06 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	4.28 ng/ul	408495	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Picoline, 2-nitro-	138	C6H6N2O2	018368-73-5	33
2	2H-Pyrane-6-carboxamide, 2-oxo-	139	C6H5NO3	1000266-46-5	32
3	Benzothiophene-2-carbonitrile, 4...	228	C13H12N2S	1000294-13-8	16
4	3,3,3-Trifluoro-N-(2-fluorophenyl...	289	C10H6F7NO	304444-11-9	12
5	2H-Pyrane-5-carboxamide, N-(3,4-...	243	C14H13NO3	340295-88-7	12





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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

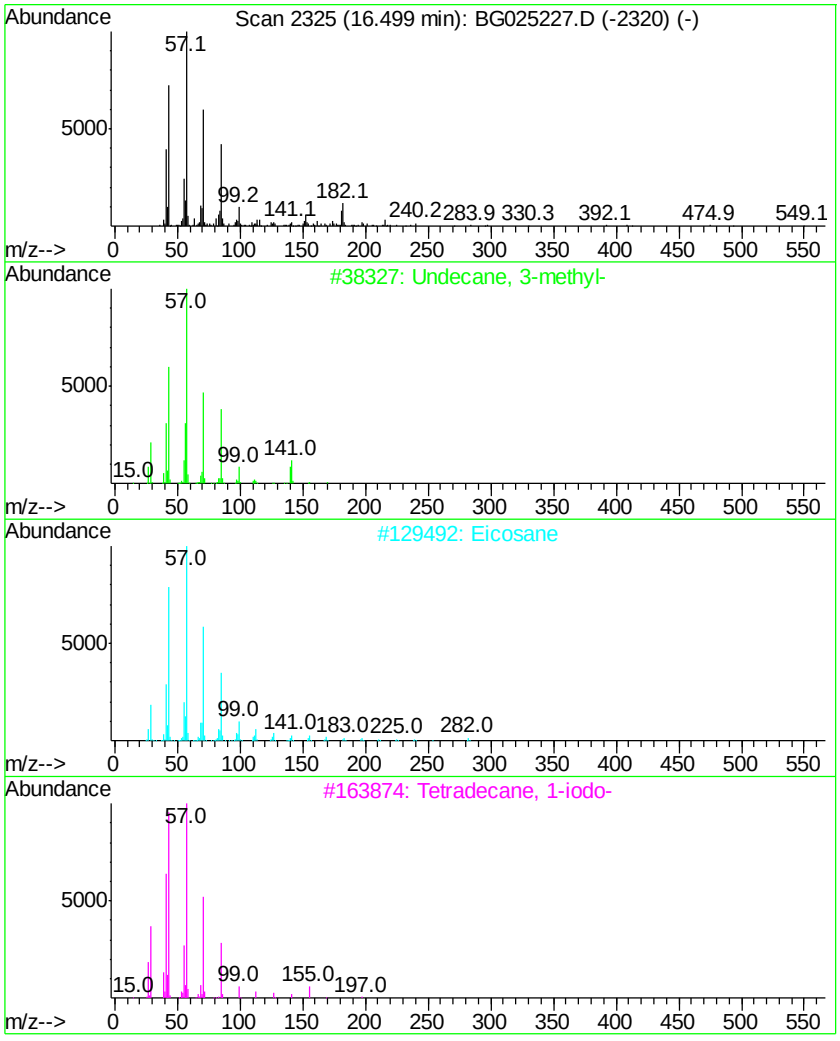
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

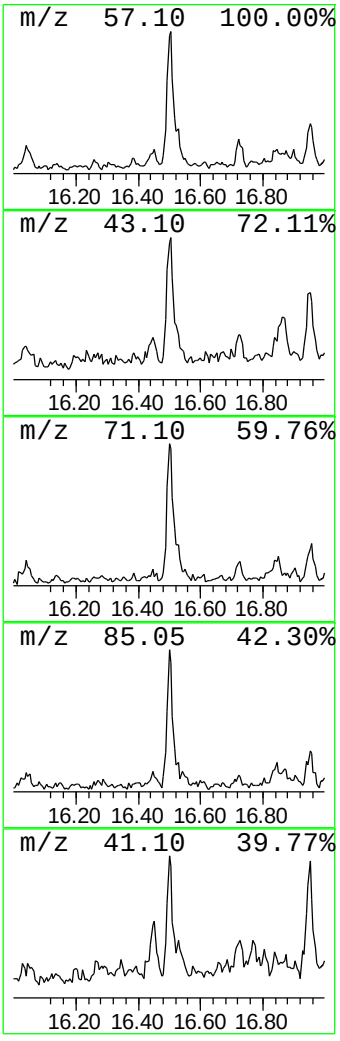
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	4.62 ng/ul	441149	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	68
2	Eicosane	282	C20H42	000112-95-8	68
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

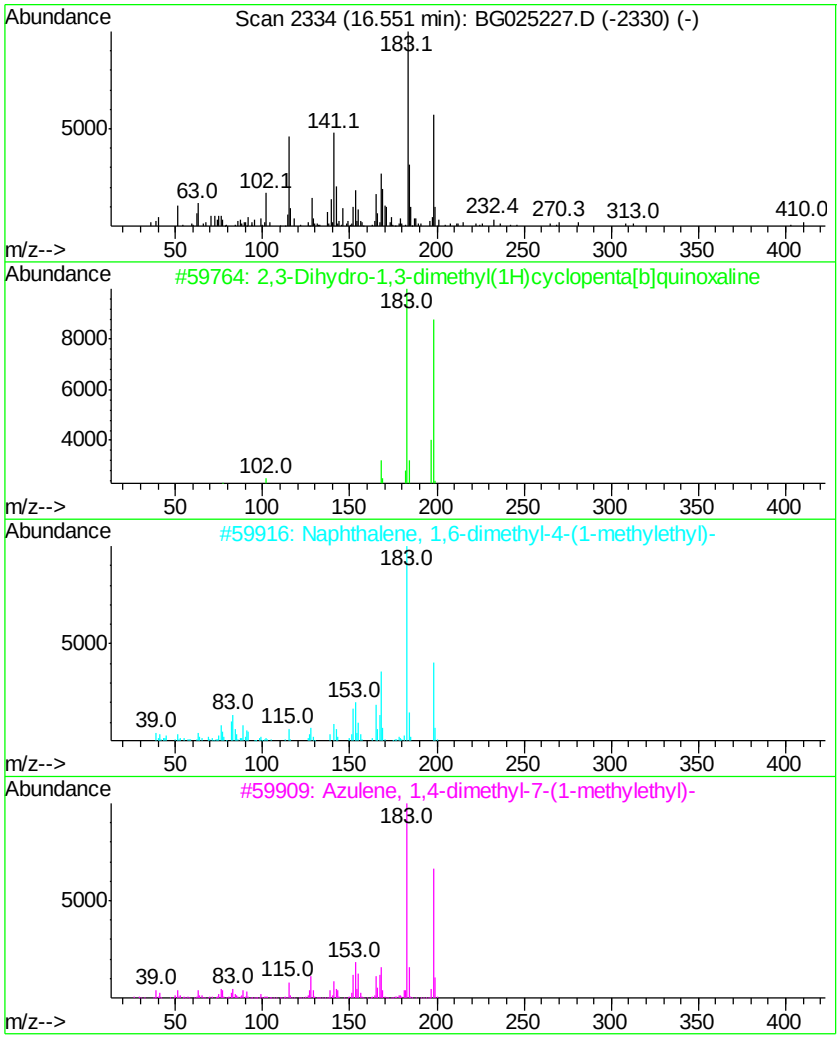
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

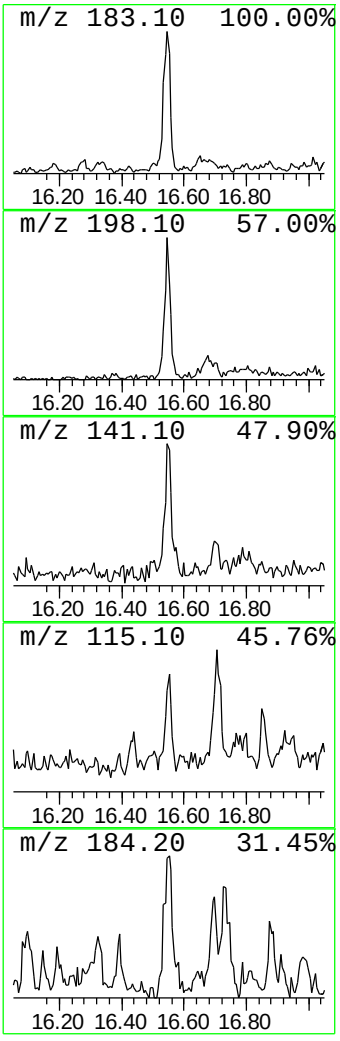
****

Peak Number 22 2,3-Dihydro-1,3-dimethyl(1H... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.68 ng/ul	256325	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydro-1,3-dimethyl(1H)cycl...	198	C13H14N2	1000112-95-8	64
2	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	64
3	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	58
4	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	58
5	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	58





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Sample : H5995-02
Misc :
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Instrument : BNA_G
ClientSampleId : DA863

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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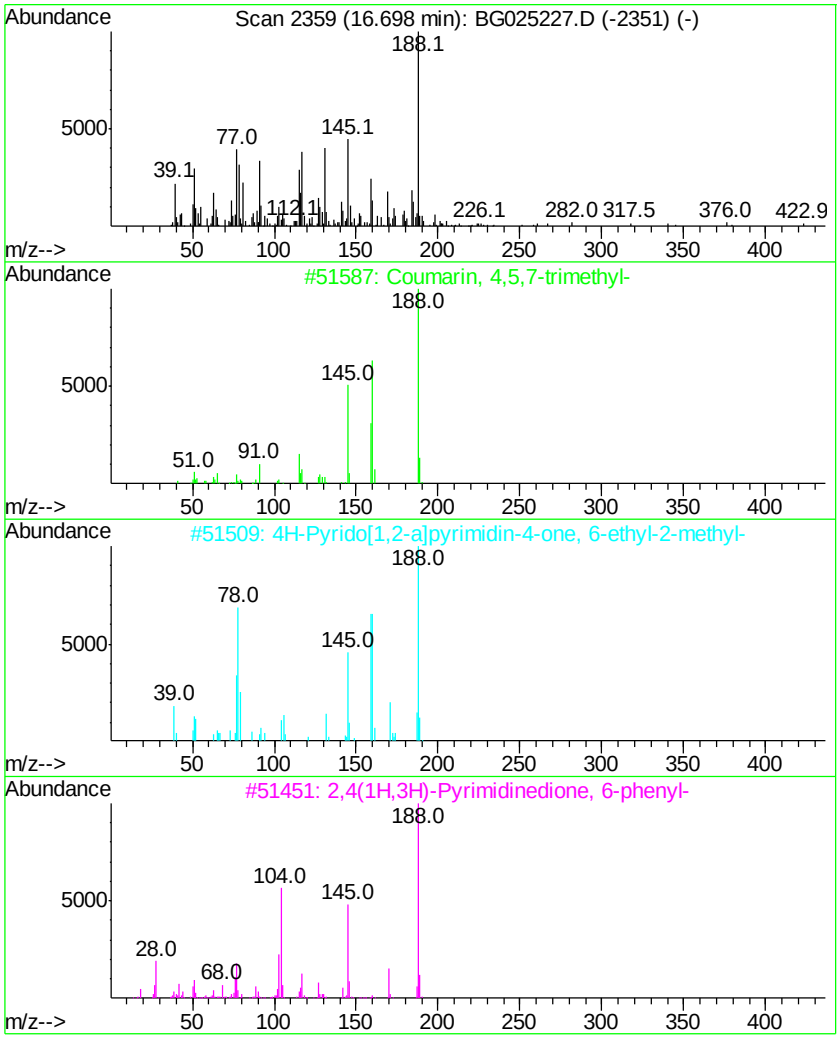
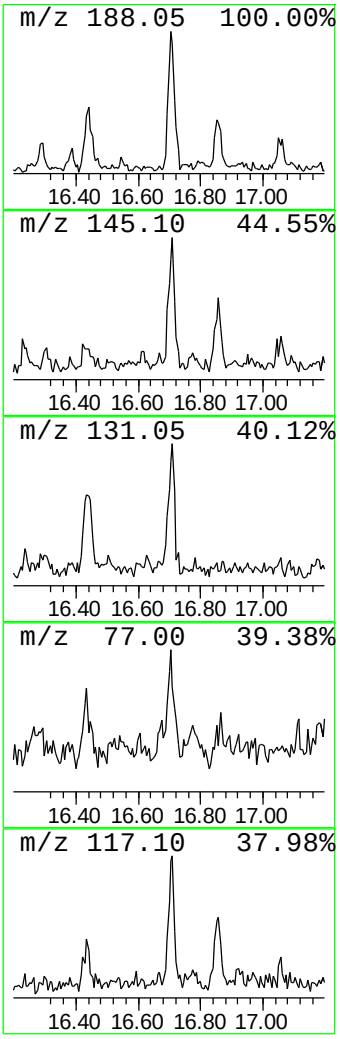
Peak Number 23 unknown-07 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	5.14 ng/ul	490665	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coumarin, 4,5,7-trimethyl-	188	C12H12O2	014002-91-6	49
2	4H-Pyrido[1,2-a]pyrimidin-4-one,...	188	C11H12N2O	038326-28-2	43
3	2,4(1H,3H)-Pyrimidinedione, 6-ph...	188	C10H8N2O2	013345-09-0	42
4	1,4-Naphthoquinone, 2,3-dihydro-...	188	C12H12O2	143721-33-9	38
5	Naphthalene, 2,3-dimethoxy-	188	C12H12O2	010103-06-7	38





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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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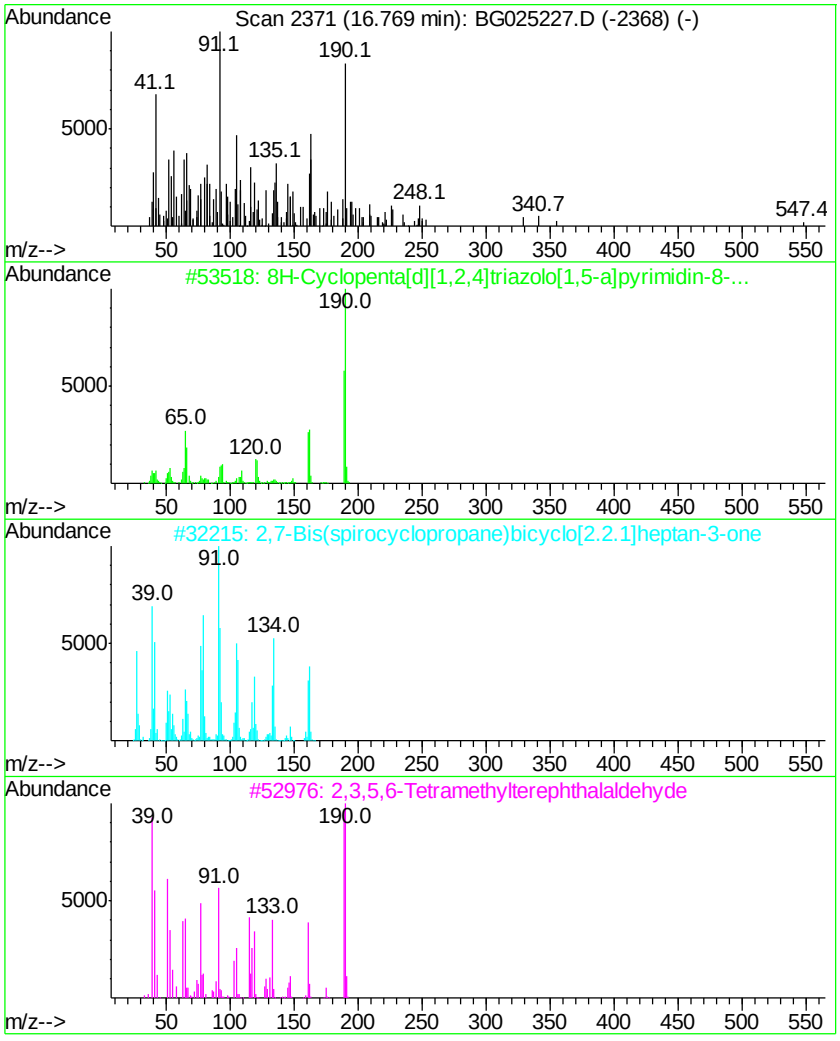
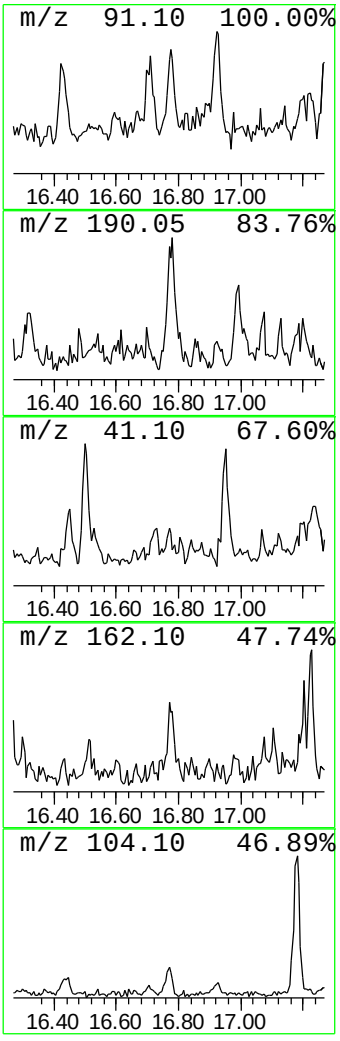
Peak Number 24 unknown-08 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	3.46 ng/ul	330599	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Cyclopenta[d][1,2,4]triazolo[...	190	C9H10N4O	1000337-56-4	38
2	2,7-Bis(spirocyclopropane)bicycl...	162	C11H14O	1000217-15-7	22
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	15
4	Bicyclo[2.2.1]hept-2-ene-5-carbo...	227	C15H17NO	1000261-55-3	12
5	m-Toluenesulfonyl chloride	190	C7H7ClO2S	001899-93-0	10





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Sample : H5995-02
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

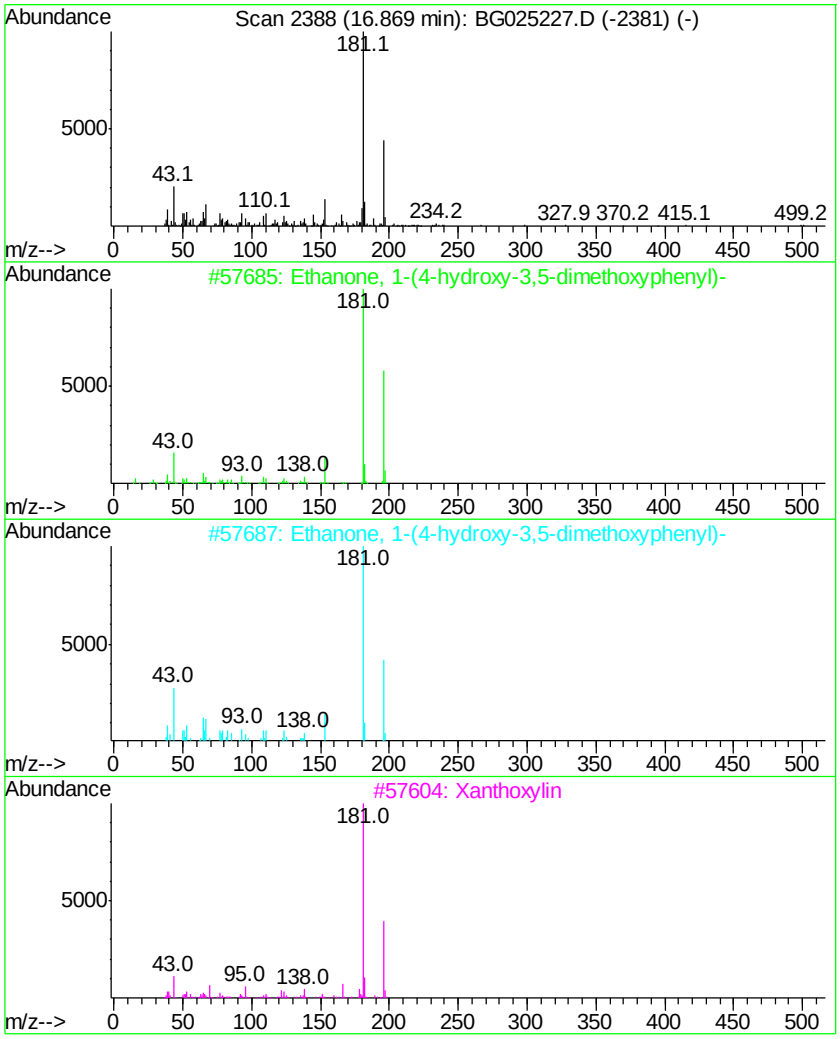
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

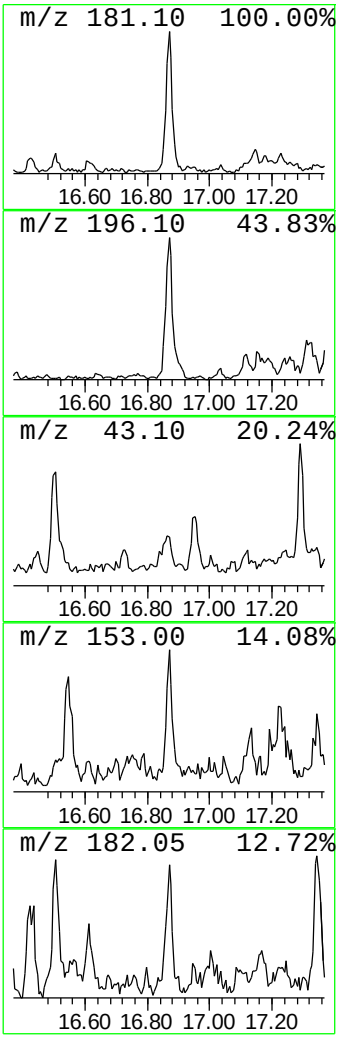
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Ethanone, 1-(4-hydroxy-3,5-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	6.36 ng/ul	608164	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	94
2	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	91
3	Xanthoxylin	196	C10H12O4	000090-24-4	81
4	Methane, di-p-tolyl-	196	C15H16	004957-14-6	72
5	Benzene, 1-ethyl-2,3,4,5,6-penta...	196	C8H5F5	002251-81-2	59





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Instrument : BNA_G
ClientSampleId : DA863

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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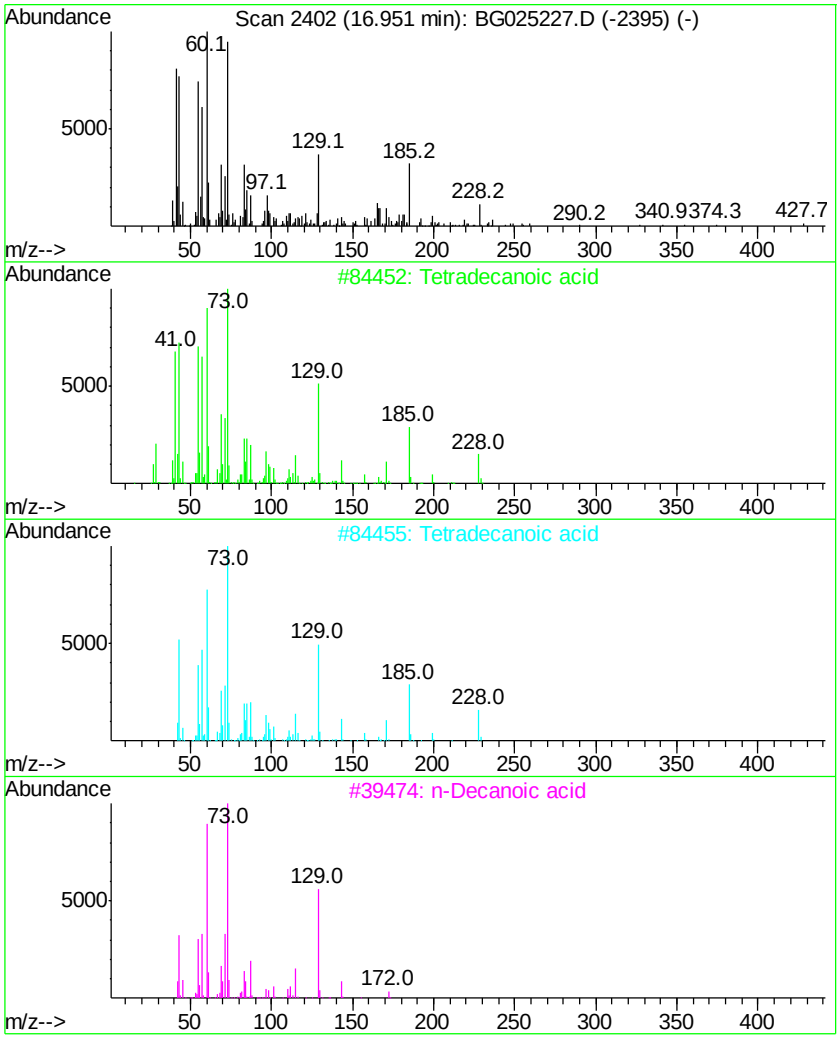
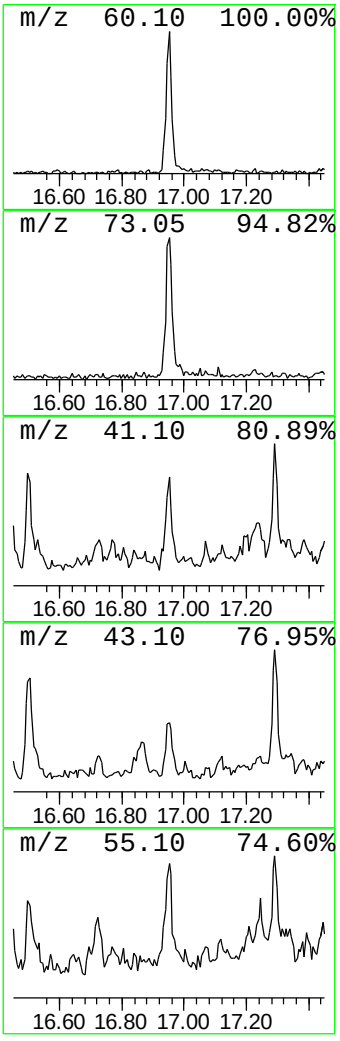
Peak Number 26 Tetradecanoic acid Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	4.73 ng/ul	451519	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	n-Decanoic acid	172	C10H20O2	000334-48-5	62
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	55





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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

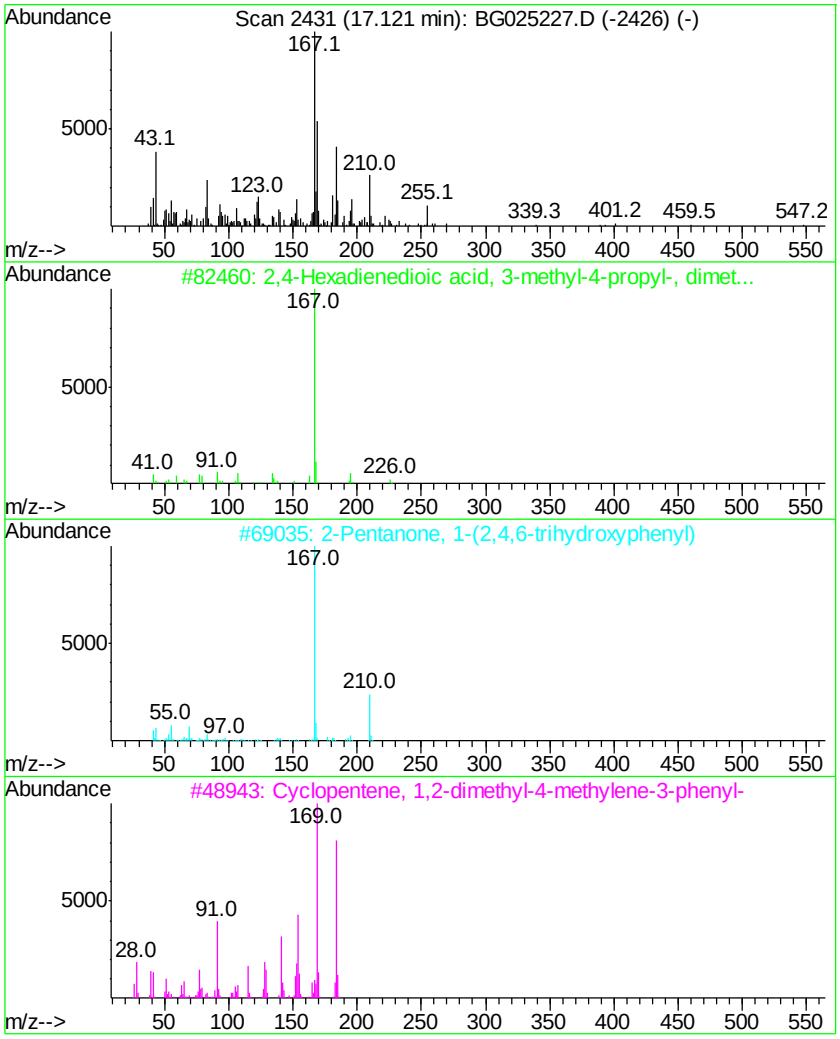
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

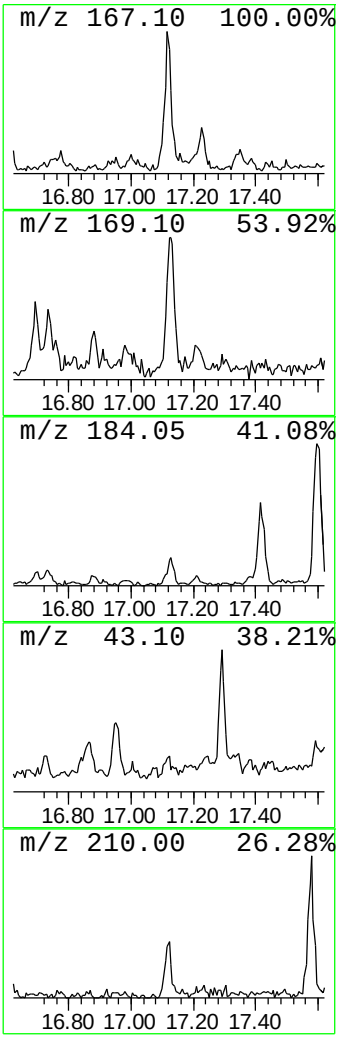
****

Peak Number 27 unknown-09 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.33 ng/ul	222958	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadienedioic acid, 3-methy...	226	C12H18O4	069796-13-0	38
2	2-Pentanone, 1-(2,4,6-trihydroxy...	210	C11H14O4	1000116-22-3	35
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	30
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
5	3-Aminothiophenol, N,N,S-trimethyl-	167	C9H13NS	1000353-08-1	27





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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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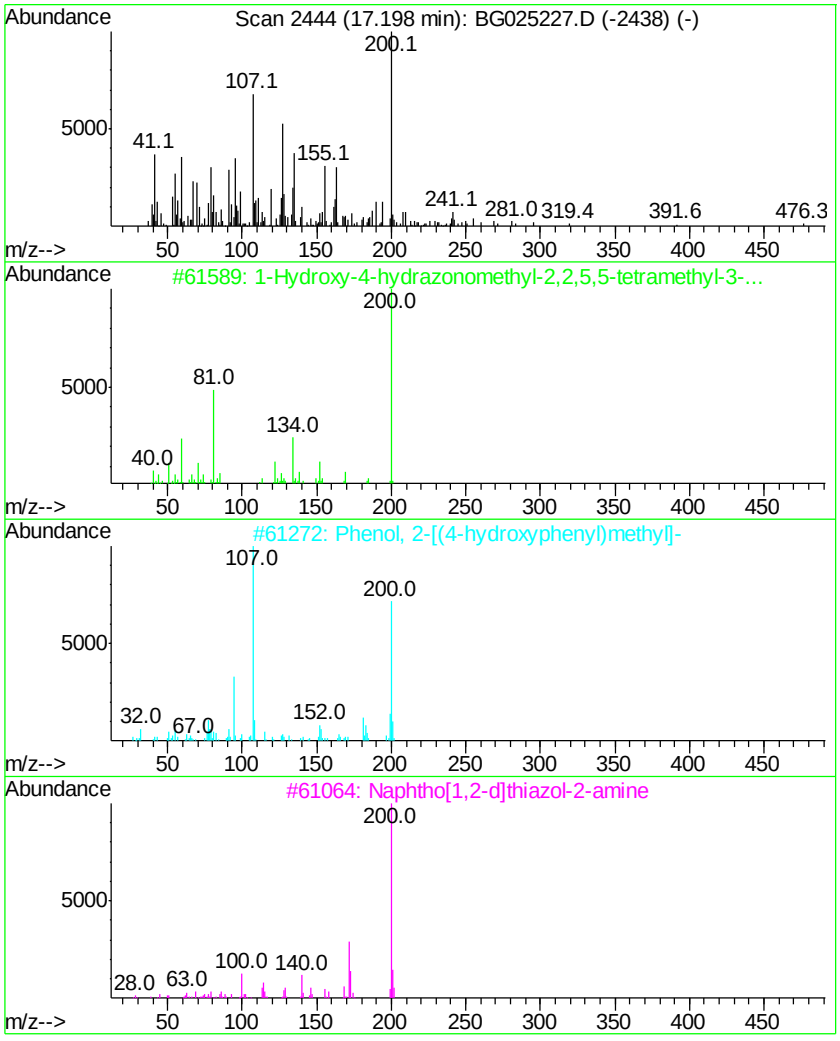
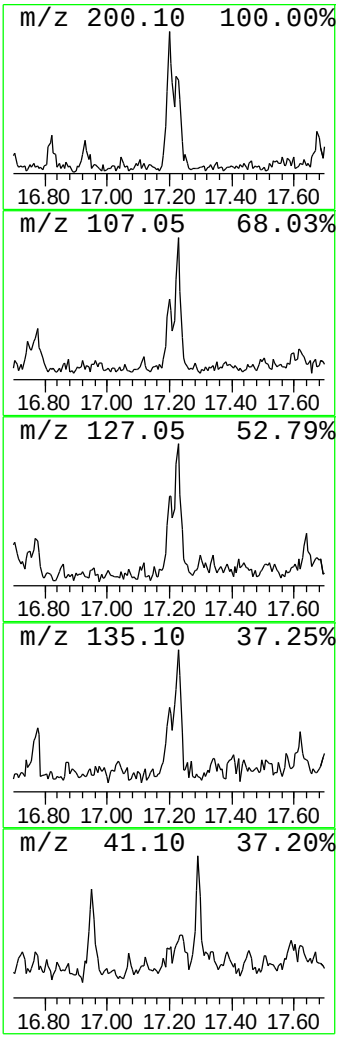
Peak Number 28 unknown-10 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.73 ng/ul	260489	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxy-4-hydrazonomethyl-2,2,...	200	C8H16N4O2	051973-32-1	18
2	Phenol, 2-[(4-hydroxyphenyl)meth...	200	C13H12O2	002467-03-0	16
3	Naphtho[1,2-d]thiazol-2-amine	200	C11H8N2S	040172-65-4	14
4	1-(4-Ethoxyphenyl)-1-hydroxy-2-p...	194	C11H14O3	1000123-93-4	14
5	4-Dichloromethyl-4-methyl-2,5-cy...	190	C8H8Cl2O	006611-78-5	11





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Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

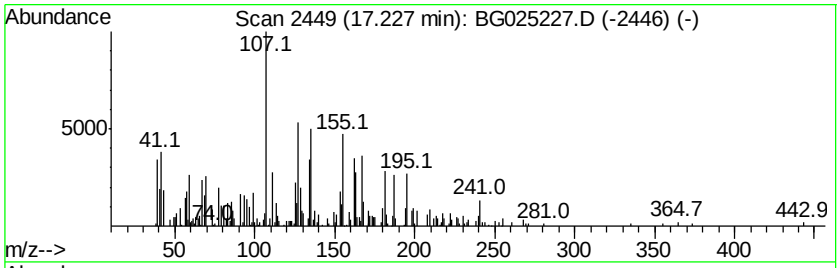
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

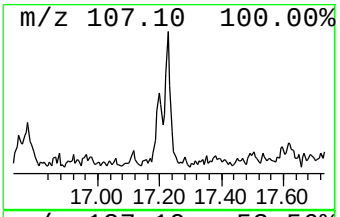
****

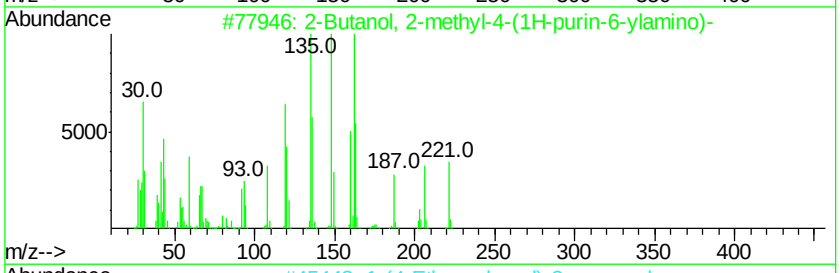
Peak Number 29 unknown-11 Concentration Rank 47

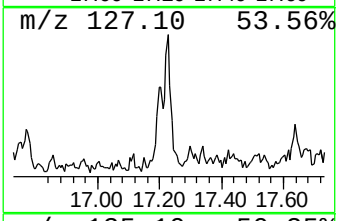
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	3.46 ng/ul	330983	Phenanthrene-d10	17.60

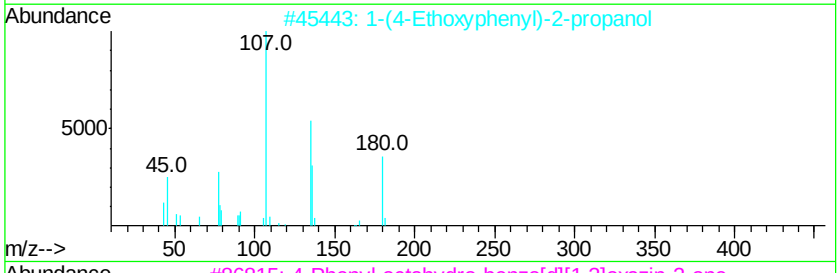
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2-methyl-4-(1H-purin-...	221	C10H15N5O	016412-36-5	25
2	1-(4-Ethoxyphenyl)-2-propanol	180	C11H16O2	1000123-12-7	22
3	4-Phenyl-octahydro-benzo[d][1,3]...	231	C14H17NO2	1000189-10-3	18
4	Dimethyl (3S,4R,5S,6R)-3,6-dimet...	226	C12H18O4	036337-44-7	14
5	Acetic acid, (4-aminophenoxy)-	167	C8H9NO3	002298-36-4	14

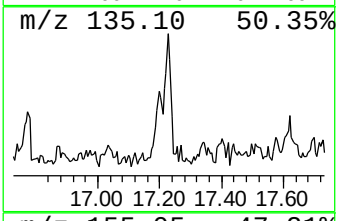


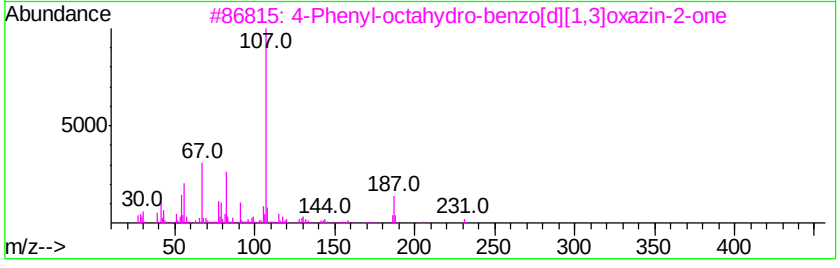


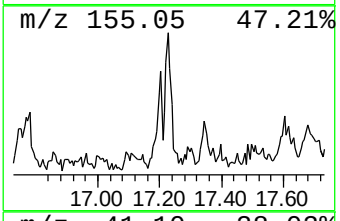


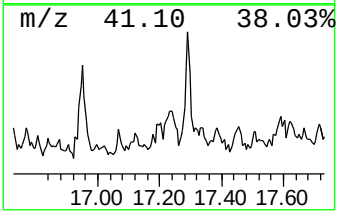












Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

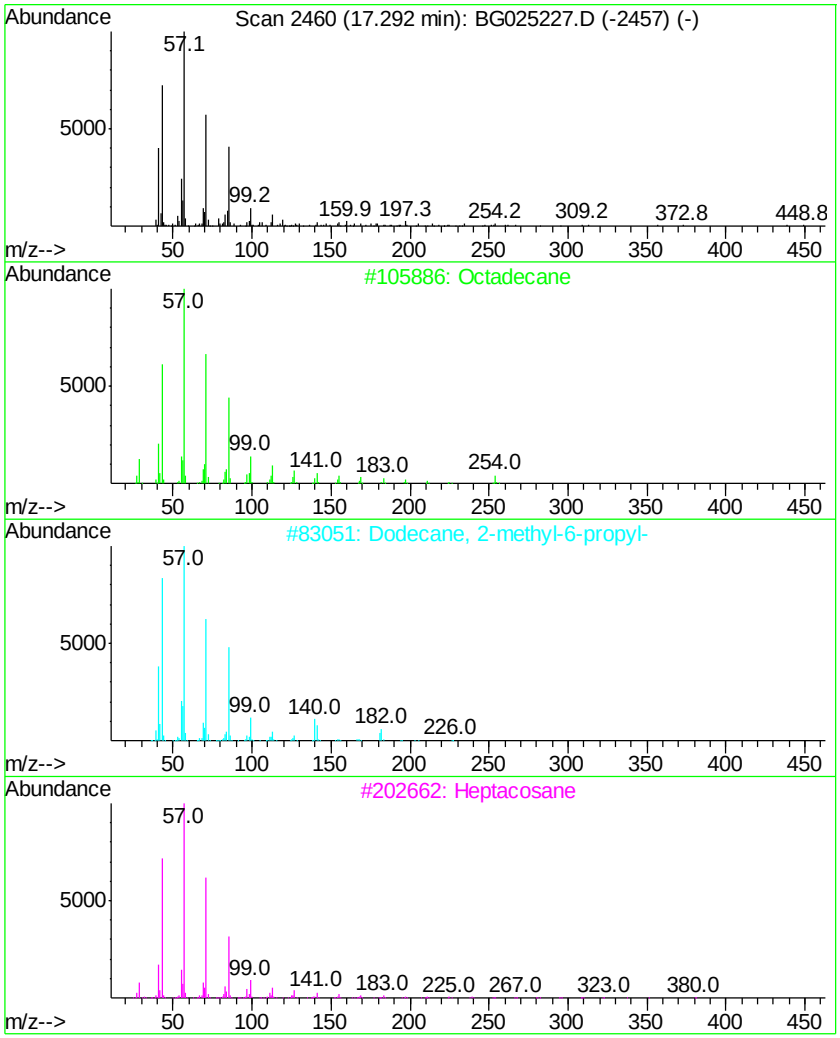
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

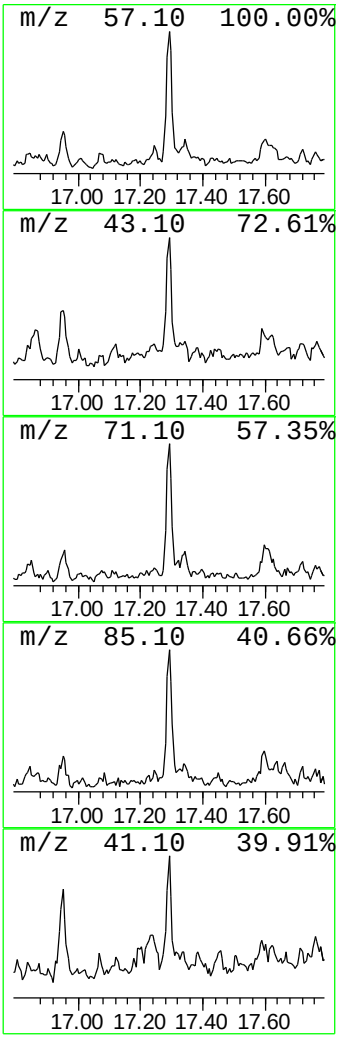
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.83 ng/ul	270286	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Heptacosane	380	C27H56	000593-49-7	86
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80
5	1-Iodoundecane	282	C11H23I	004282-44-4	76





Library Search Compound Report

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Data File : BG025227.D
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Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

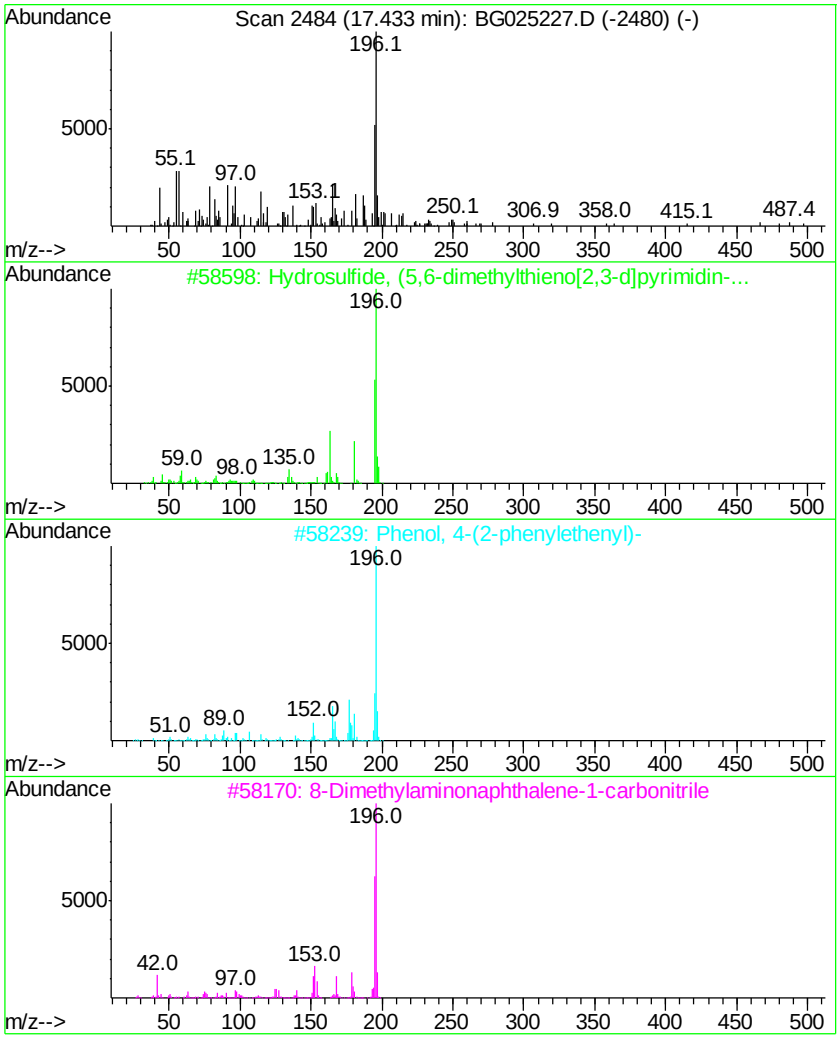
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

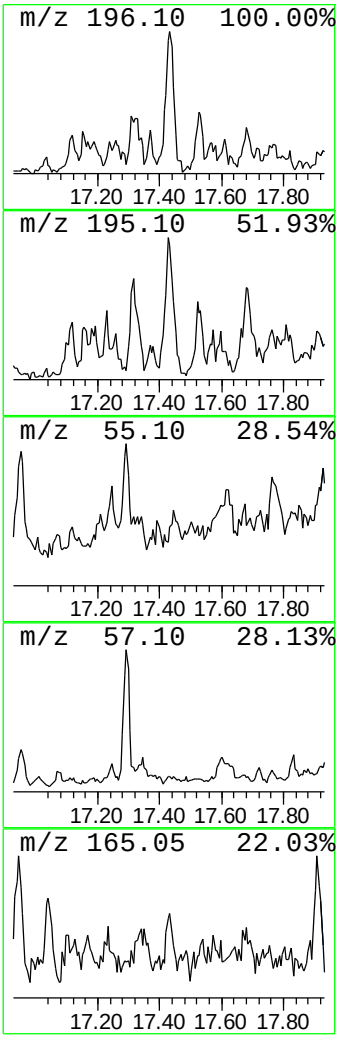
****

Peak Number 31 Hydrosulfide, (5,6-dimethyl... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.85 ng/ul	271941	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	68
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	58
4	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	53
5	2-(4-Pyridyl)(1,2,4)triazolo(1,5...	196	C11H8N4	007211-81-6	49





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Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

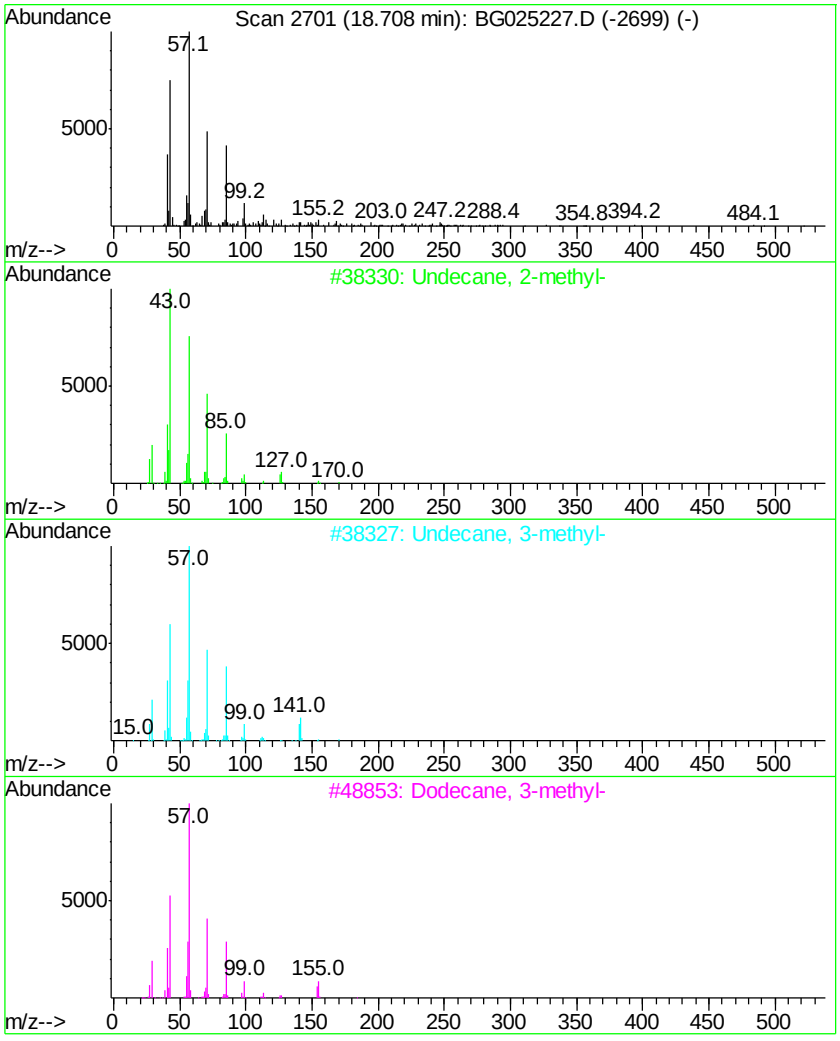
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

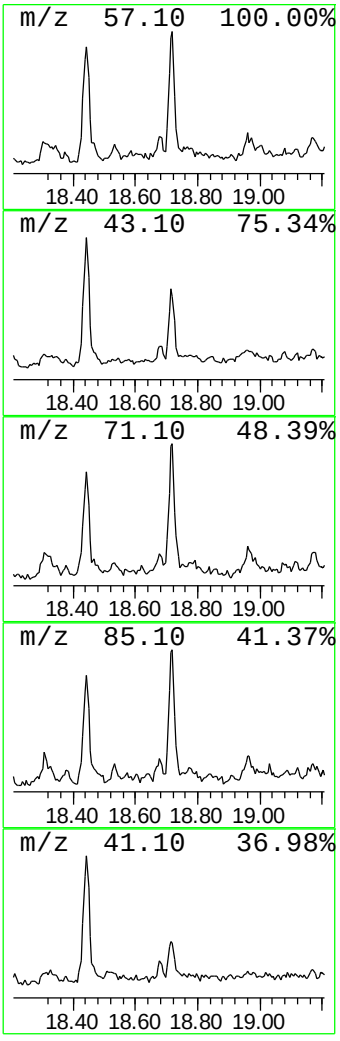
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	4.55 ng/ul	434505	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	86
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	86
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	78
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78
5	Heptacosane	380	C27H56	000593-49-7	64





Library Search Compound Report

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Data File : BG025227.D
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Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

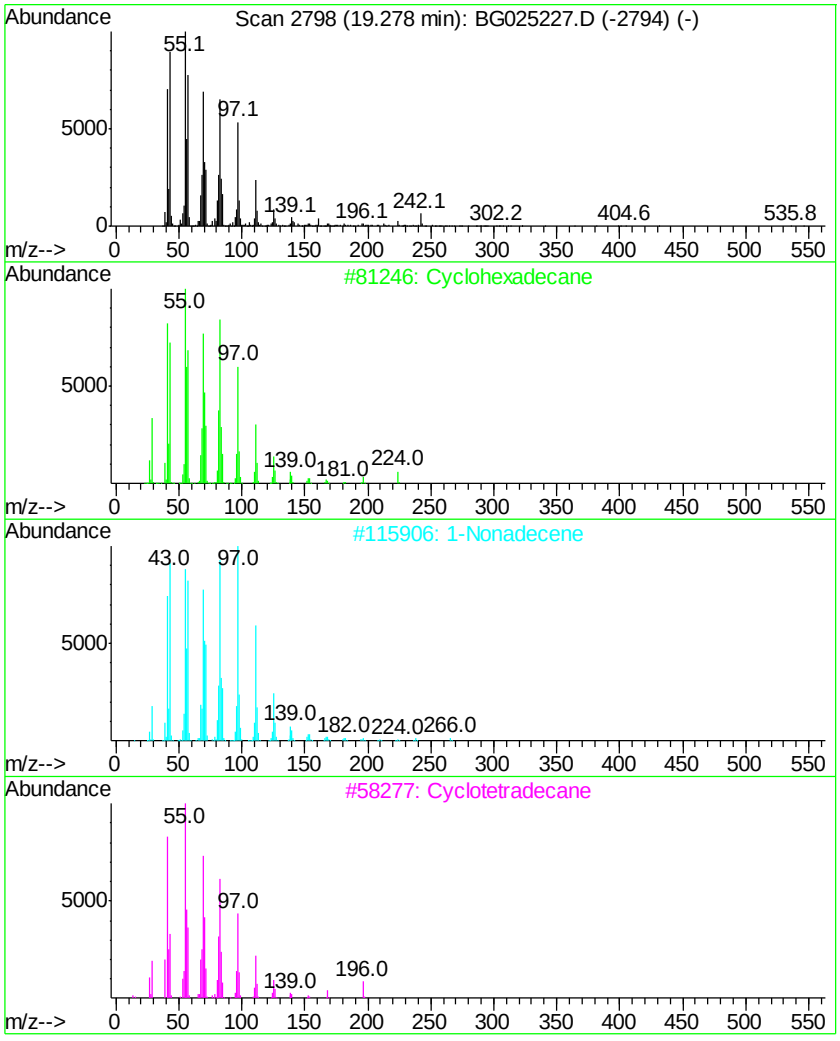
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

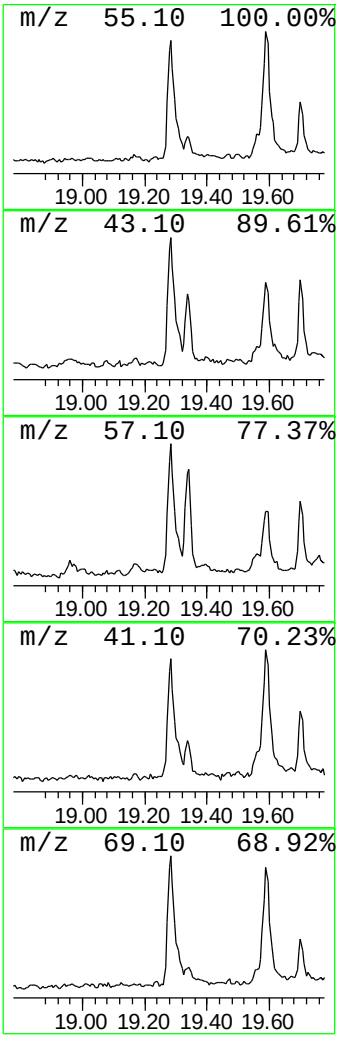
****

Peak Number 37 (DEL) Alkane: Cyclic19.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	30.05 ng/ul	2871330	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	1-Nonadecene	266	C19H38	018435-45-5	96
3	Cyclotetradecane	196	C14H28	000295-17-0	95
4	Cetene	224	C16H32	000629-73-2	94
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	93





Library Search Compound Report

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Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

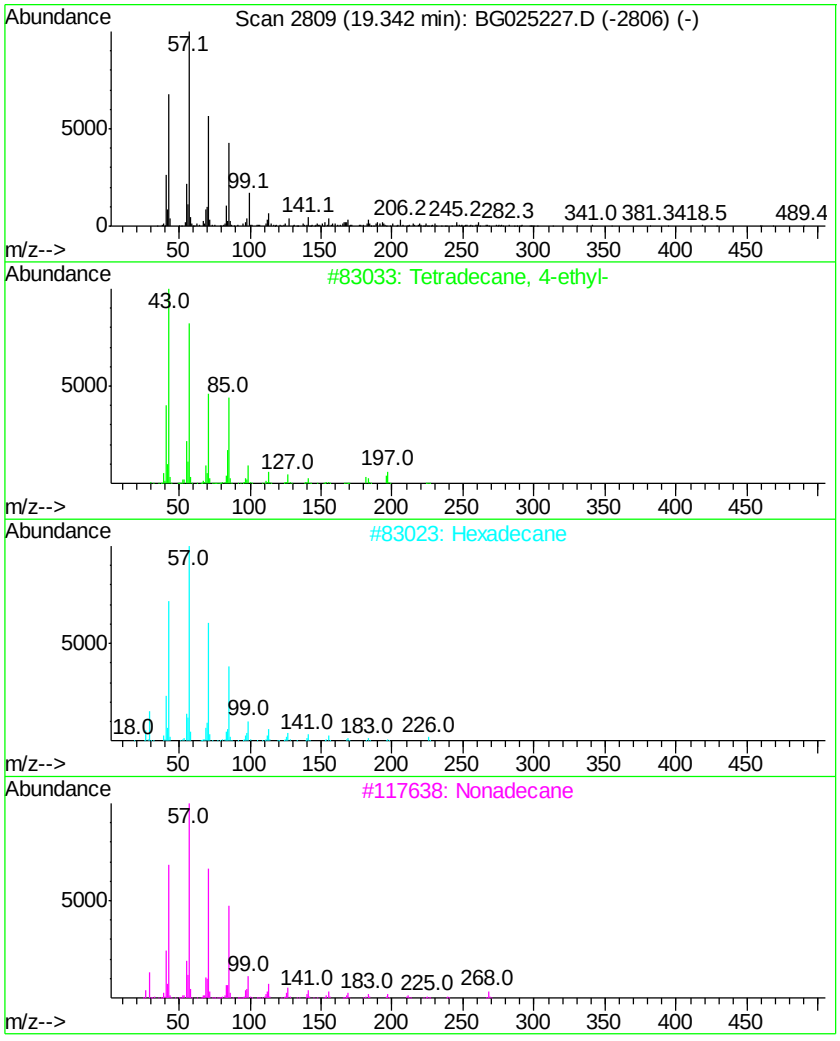
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

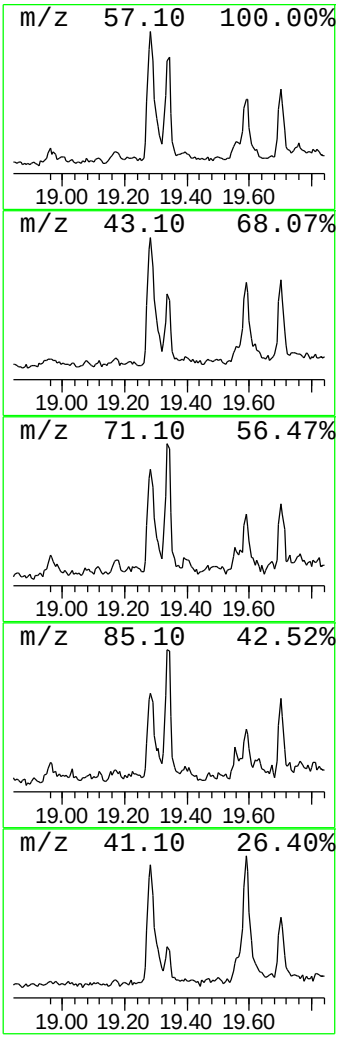
****

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	7.68 ng/ul	734281	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	81
2	Hexadecane	226	C16H34	000544-76-3	80
3	Nonadecane	268	C19H40	000629-92-5	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





Library Search Compound Report

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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

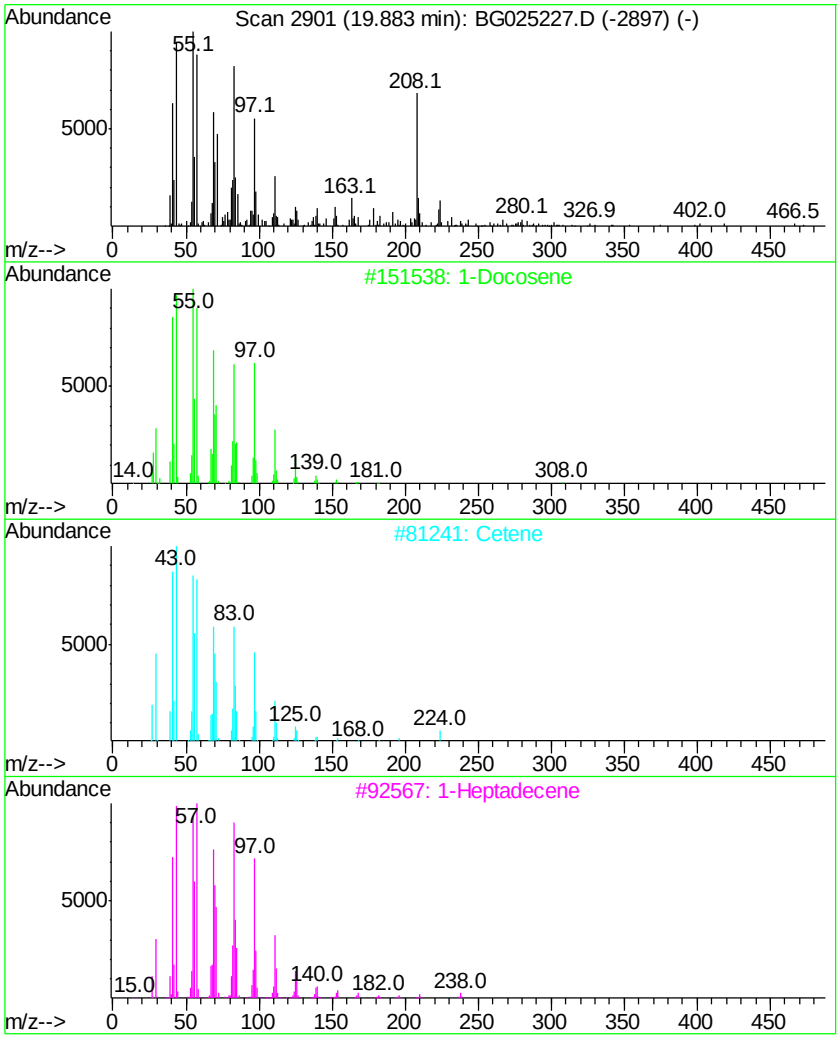
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

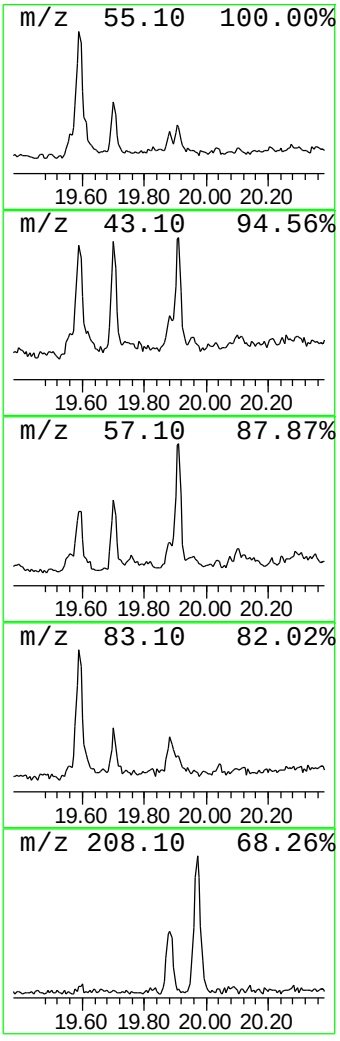
****

Peak Number 42 (DEL) Alkane: Cyclic19.88 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.43 ng/ul	389320	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	87
2	Cetene	224	C16H32	000629-73-2	86
3	1-Heptadecene	238	C17H34	006765-39-5	70
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	68
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	68





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Acq On : 16 Dec 2016 1:11
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Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

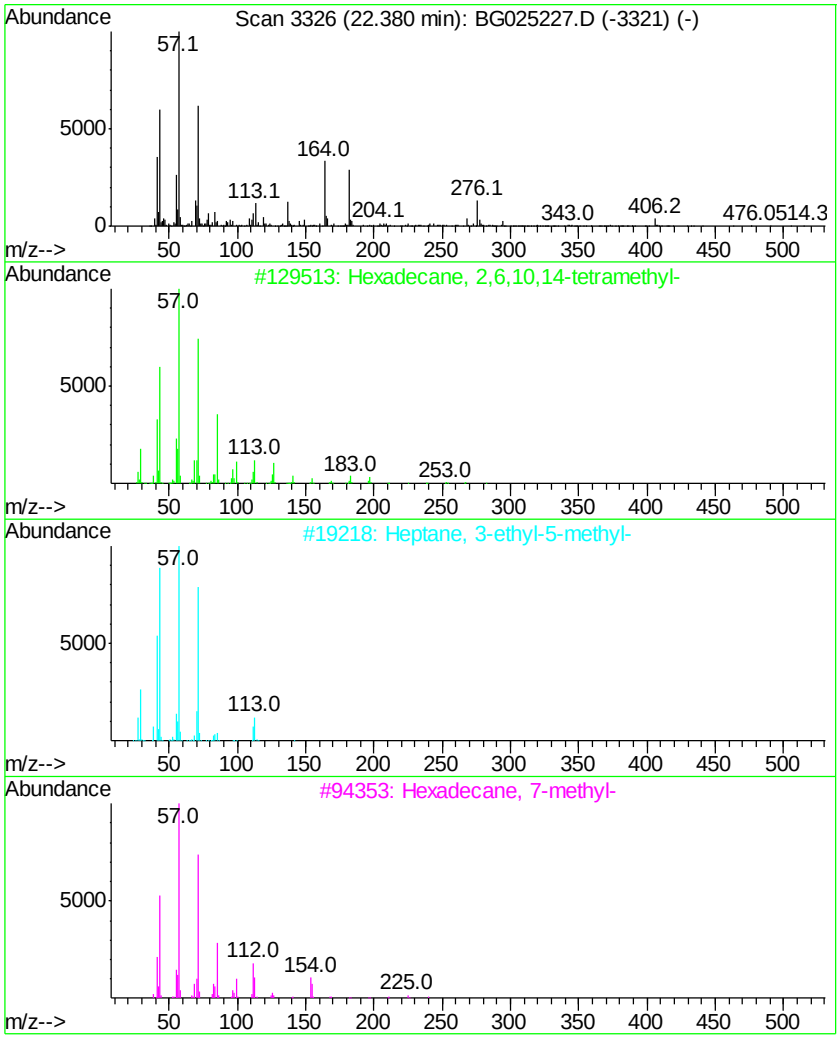
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

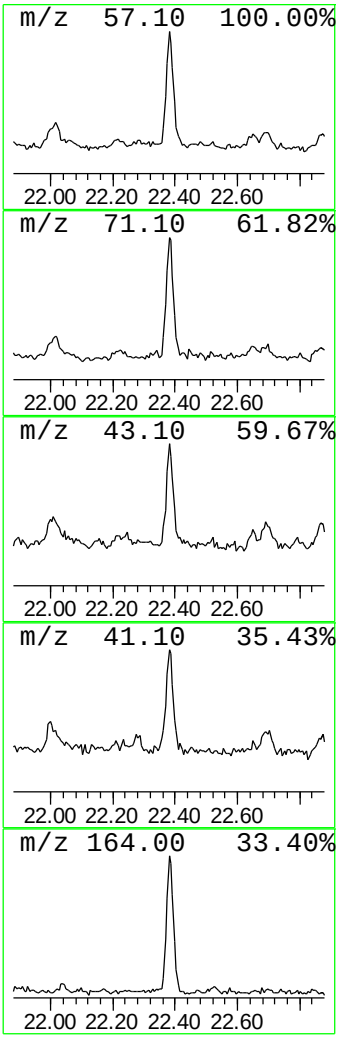
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.38	8.78 ng/ul	1406300	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	45
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	42
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	38
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	38
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

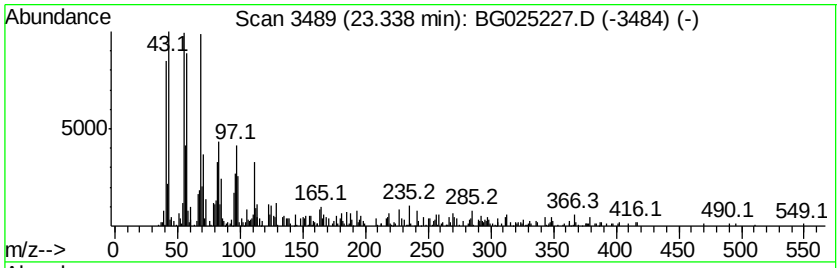
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

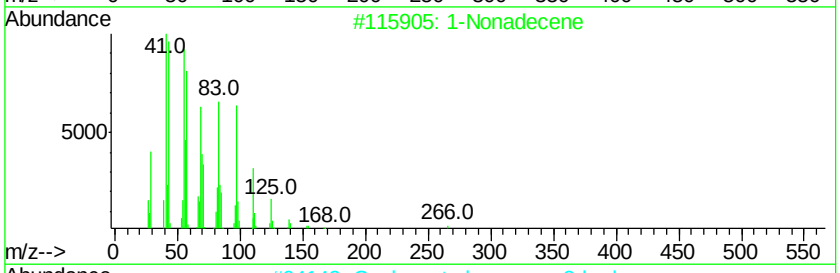
****

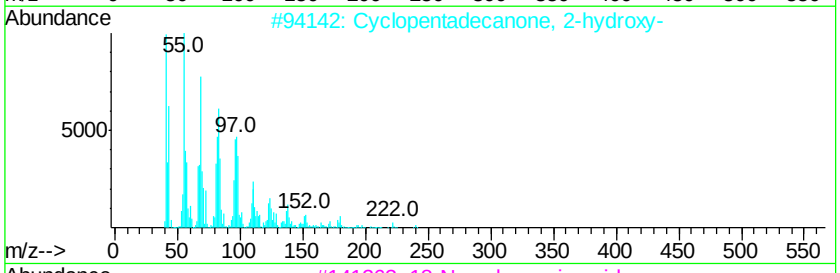
Peak Number 55 (DEL) Alkane: Cyclic23.34 Concentration Rank 28

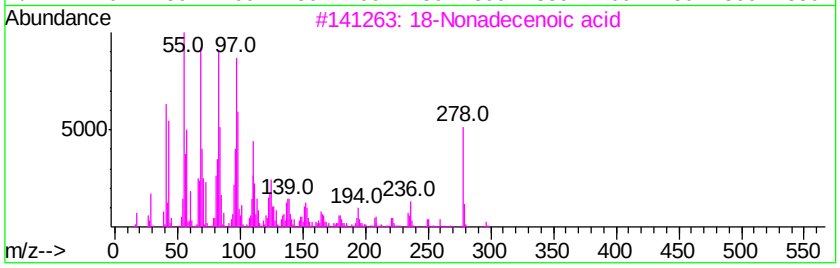
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.34	4.95 ng/ul	792907	Chrysene-d12	21.89

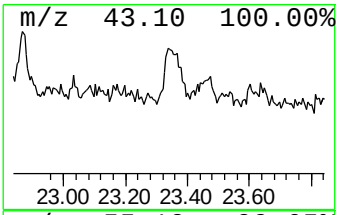
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	80
2	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	49
3	18-Nonadecenoic acid	296	C19H36O2	076998-87-3	49
4	17-Octadecen-1-ol acetate	310	C20H38O2	1000130-91-1	42
5	10-Heneicosene (c,t)	294	C21H42	095008-11-0	42

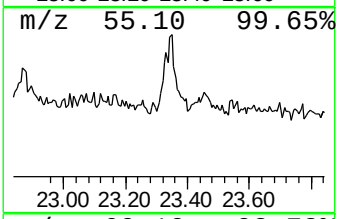


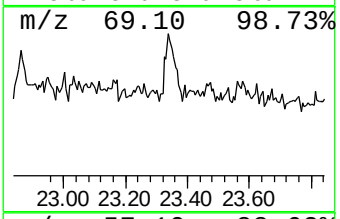


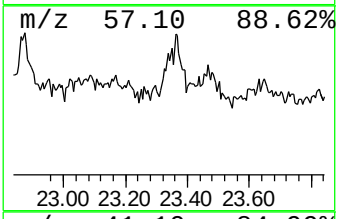


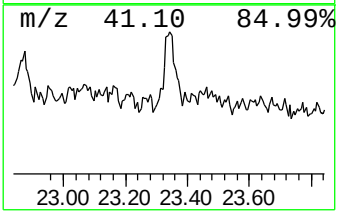












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121516\
Data File : BG025227.D
Acq On : 16 Dec 2016 1:11
Operator : UM/SJ
Sample : H5995-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenol, 2-methoxy-	9.34	7.1	ng/ul	195934	1	8.23	549337	20.0
Hexanoic acid, 2-...	9.51	9.3	ng/ul	256326	1	8.23	549337	20.0
Creosol	10.95	5.2	ng/ul	493745	2	11.06	1909850	20.0
Phenol, 4-ethyl-3...	11.58	2.5	ng/ul	237242	2	11.06	1909850	20.0
Phenol, 4-ethyl-2...	12.20	8.4	ng/ul	805536	2	11.06	1909850	20.0
Phenol, 2,6-dimet...	13.11	11.8	ng/ul	682563	3	14.85	1160020	20.0
Silane, trimethyl...	13.23	3.4	ng/ul	198805	3	14.85	1160020	20.0
Phenol, 2-methoxy...	13.33	7.4	ng/ul	431517	3	14.85	1160020	20.0
unknown-01	13.63	3.9	ng/ul	226451	3	14.85	1160020	20.0
unknown-02	14.04	4.0	ng/ul	231167	3	14.85	1160020	20.0
Phenol, 4-methoxy...	14.19	18.5	ng/ul	1071230	3	14.85	1160020	20.0
(DEL) Alkane: Str...	14.70	4.8	ng/ul	278420	3	14.85	1160020	20.0
Phenol, 3-[(trime...	14.98	20.8	ng/ul	1205630	3	14.85	1160020	20.0
unknown-03	15.32	4.8	ng/ul	280092	3	14.85	1160020	20.0
Naphthalene, 2,3,...	15.61	3.6	ng/ul	211346	3	14.85	1160020	20.0
(DEL) Alkane: Str...	15.64	4.3	ng/ul	246297	3	14.85	1160020	20.0
unknown-04	15.77	12.9	ng/ul	748654	3	14.85	1160020	20.0
unknown-05	16.04	3.5	ng/ul	202982	3	14.85	1160020	20.0
Benzaldehyde, 4-h...	16.28	2.7	ng/ul	256707	4	17.60	1910970	20.0
unknown-06	16.43	4.3	ng/ul	408495	4	17.60	1910970	20.0
(DEL) Alkane: Str...	16.50	4.6	ng/ul	441149	4	17.60	1910970	20.0
2,3-Dihydro-1,3-d...	16.55	2.7	ng/ul	256325	4	17.60	1910970	20.0
unknown-07	16.70	5.1	ng/ul	490665	4	17.60	1910970	20.0
unknown-08	16.77	3.5	ng/ul	330599	4	17.60	1910970	20.0
Ethanone, 1-(4-hy...	16.87	6.4	ng/ul	608164	4	17.60	1910970	20.0
Tetradecanoic acid	16.95	4.7	ng/ul	451519	4	17.60	1910970	20.0
unknown-09	17.12	2.3	ng/ul	222958	4	17.60	1910970	20.0
unknown-10	17.20	2.7	ng/ul	260489	4	17.60	1910970	20.0
unknown-11	17.23	3.5	ng/ul	330983	4	17.60	1910970	20.0
(DEL) Alkane: Str...	17.29	2.8	ng/ul	270286	4	17.60	1910970	20.0
Hydrosulfide, (5,...	17.43	2.9	ng/ul	271941	4	17.60	1910970	20.0
(DEL) Alkane: Str...	18.71	4.5	ng/ul	434505	4	17.60	1910970	20.0
(DEL) Alkane: Cyc...	19.28	30.1	ng/ul	2871330	4	17.60	1910970	20.0
(DEL) Alkane: Str...	19.34	7.7	ng/ul	734281	4	17.60	1910970	20.0
(DEL) Alkane: Cyc...	19.88	2.4	ng/ul	389320	5	21.89	3205060	20.0
(DEL) Alkane: Str...	22.38	8.8	ng/ul	1406300	5	21.89	3205060	20.0
(DEL) Alkane: Cyc...	23.34	5.0	ng/ul	792907	5	21.89	3205060	20.0