LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.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	3.281	97	101	107	rVB3	15822	20356	0.41%	0.061%
2	3.457	127	131	138	rVB	22135	30149	0.60%	0.090%
3	6.660	671	676	684	rBV2	69096	114544	2.29%	0.343%
4	6.801	694	700	706	rBV	56969	79007	1.58%	0.237%
5	6.994	728	733	738	rVB	74923	113767	2.27%	0.341%
6	7.459	804	812	820	rBV	136671	215711	4.30%	0.646%
7	8.193	931	937	943	rVB	29481	48864	0.97%	0.146%
8	8.610	1003	1008	1014	rVV	80850	133369	2.66%	0.399%
9	9.333	1122	1131	1138	rBV2	80088	146445	2.92%	0.439%
10	9.879	1216	1224	1231	rVB	94936	158324	3.16%	0.474%
11	10.238	1279	1285	1291	rBV	191353	325011	6.48%	0.973%
12	10.291	1291	1294	1300	rVB2	11679	20238	0.40%	0.061%
13	11.918	1567	1571	1579	rVB	27415	40907	0.82%	0.122%
14	12.141	1605	1609	1614	rVB	18738	25349	0.51%	0.076%
15	13.164	1778	1783	1793	rVB5	10754	24801	0.49%	0.074%
16	13.293	1796	1805	1806	rBV3	27100	42630	0.85%	0.128%
17	13.452	1827	1832	1837	rBV	48667	80245	1.60%	0.240%
18	13.504	1837	1841	1844	rBV	29467	38851	0.78%	0.116%
19	13.551	1844	1849	1853	rBV	208292	281564	5.62%	0.843%
20	13.598	1853	1857	1861	rBV	79943	101491	2.02%	0.304%
21	13.692	1866	1873	1877	rBV3	21324	32669	0.65%	0.098%
22	13.822	1890	1895	1905	rVB	211952	338496	6.75%	1.014%
23	14.051	1930	1934	1939	rVB6	15201	19564	0.39%	0.059%
24	14.139	1941	1949	1954	rBV2	297355	481053	9.60%	1.440%
25	14.198	1954	1959	1962	rBV3	16559	24073	0.48%	0.072%
26	14.351	1980	1985	1987	rBV2	21587	35914	0.72%	0.108%
27	14.386	1987	1991	1997	rVV2	80163	119228	2.38%	0.357%
28	14.515	2008	2013	2015	rBV5	26551	42036	0.84%	0.126%
29	14.539	2015	2017	2022	rVB4	36124	54210	1.08%	0.162%
30	14.621	2027	2031	2035	rVB	37349	51080	1.02%	0.153%
31	14.680	2036	2041	2046	rVB9	15516	29525	0.59%	0.088%
32	14.762	2050	2055	2060	rBV4	30134	57964	1.16%	0.174%
33	14.815	2060	2064	2068	rVB2	26125	37462	0.75%	0.112%
34	14.932	2077	2084	2087	rBV7	23469	52508	1.05%	0.157%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

35	14.967	2087	2090	2095	rVB5	14679	20787	0.41%	0.062%
36	15.138	2114	2119	2124	rVV	270069	384269	7.67%	1.151%
37	15.191	2124	2128	2132	rVB2	39446	51965	1.04%	0.156%
38	15.238	2132	2136	2139	rBV5	20047	29151	0.58%	0.087%
39	15.279	2139	2143	2147	rVV2	79913	107150	2.14%	0.321%
40	15.414	2161	2166	2172	rBV5	32725	56024	1.12%	0.168%
41	15.490	2175	2179	2182	rVV6	11527	19290	0.38%	0.058%
42	15.573	2190	2193	2197	rBV5	13791	24115	0.48%	0.072%
43	15.714	2212	2217	2220	rBV6	18580	31819	0.63%	0.095%
44	15.884	2240	2246	2247	rBV5	36166	62025	1.24%	0.186%
45	16.172	2291	2295	2298	rBV3	27674	41672	0.83%	0.125%
46	16.665	2377	2379	2383	rVV4	23032	24191	0.48%	0.072%
47	16.718	2383	2388	2396	rVB3	45025	87487	1.75%	0.262%
48	16.895	2412	2418	2422	rBV	331607	477745	9.53%	1.431%
49	16.936	2422	2425	2429	rVV	158547	209595	4.18%	0.628%
50	16.989	2429	2434	2438	rVV	241470	356827	7.12%	1.068%
51	17.024	2438	2440	2446	rVB	76199	98452	1.96%	0.295%
52	17.083	2446	2450	2456	rBV8	31165	62816	1.25%	0.188%
53	17.177	2462	2466	2469	rVB5	24490	34922	0.70%	0.105%
54	17.259	2475	2480	2481	rBV5	12605	23461	0.47%	0.070%
55	17.300	2485	2487	2498	rVB	37131	74152	1.48%	0.222%
56	17.506	2519	2522	2524	rVB4	19903	22962	0.46%	0.069%
57	17.617	2539	2541	2547	rVB7	15966	23408	0.47%	0.070%
58	17.764	2561	2566	2570	rBV	25533	49683	0.99%	0.149%
59	17.817	2571	2575	2578	rBV2	183592	255848	5.10%	0.766%
60	17.876	2583	2585	2594	rVV3	32467	82953	1.65%	0.248%
61	17.970	2596	2601	2604	rVV3	98924	167096	3.33%	0.500%
62	18.011	2604	2608	2615	rVB2	221533	313525	6.25%	0.939%
63	18.111	2623	2625	2630	rVB6	26159	33500	0.67%	0.100%
64	18.187	2632	2638	2646	rVB	2352343	3178037	63.40%	9.516%
65	18.381	2665	2671	2677	rVB	2151227	2844510	56.75%	8.518%
66	18.534	2690	2697	2701	rVB	3725878	4577458	91.32%	13.707%
67	18.663	2713	2719	2724	rBV	1061703	1305200	26.04%	3.908%
68	18.757	2732	2735	2740	rVB4	78754	101803	2.03%	0.305%
69	18.834	2745	2748	2754	rVB7	52996	75542	1.51%	0.226%
70	18.969	2766	2771	2777	rBV	306224	522980	10.43%	1.566%
71	19.039	2777	2783	2787	rVB	3975292	5012552	100.00%	15.010%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

72	19.116	2792	2796	2801	rVV2	108845	162257	3.24%	0.486%
73	19.186	2805	2808	2811	rBV5	29422	32028	0.64%	0.096%
74	19.304	2824	2828	2831	rBV2	250254	365788	7.30%	1.095%
75	19.333	2831	2833	2839	rVB	205502	231043	4.61%	0.692%
76	19.515	2859	2864	2867	rBV4	45031	85224	1.70%	0.255%
77	19.568	2870	2873	2881	rVB4	82561	133208	2.66%	0.399%
78	19.685	2891	2893	2899	rVB6	51741	58948	1.18%	0.177%
79	19.832	2913	2918	2924	rBV4	128140	204506	4.08%	0.612%
80	19.932	2933	2935	2938	rBV4	37935	42208	0.84%	0.126%
81	19.973	2940	2942	2946	rVB4	52269	56738	1.13%	0.170%
82	20.114	2962	2966	2971	rBV2	81900	116351	2.32%	0.348%
83	20.161	2971	2974	2978	rVV	103719	118420	2.36%	0.355%
84	20.426	3017	3019	3023	rVB5	58750	60027	1.20%	0.180%
85	20.808	3081	3084	3086	rBV2	48620	60666	1.21%	0.182%
86	20.831	3086	3088	3095	rVB2	186684	226626	4.52%	0.679%
87	21.060	3124	3127	3129	rBV2	114557	127396	2.54%	0.381%
88	21.101	3130	3134	3137	rVV2	315242	458081	9.14%	1.372%
89	21.137	3137	3140	3147	rVB2	149761	196744	3.93%	0.589%
90	21.266	3158	3162	3166	rVB	302558	341728	6.82%	1.023%
91	21.607	3217	3220	3229	rVB2	108347	178181	3.55%	0.534%
92	21.689	3230	3234	3239	rVB	486023	546800	10.91%	1.637%
93	21.748	3241	3244	3249	rBV2	142452	196490	3.92%	0.588%
94	22.136	3306	3310	3315	rVB	576990	699669	13.96%	2.095%
95	22.623	3388	3393	3399	rBV	742456	1067995	21.31%	3.198%
96	23.175	3476	3487	3494	rVB3	591933	1206638	24.07%	3.613%
97	23.275	3500	3504	3509	rVB	175019	265465	5.30%	0.795%
98	23.798	3587	3593	3601	rVB2	435907	825810	16.47%	2.473%
99	24.521	3710	3716	3723	rVB2	272707	605470	12.08%	1.813%
100	25.361	3854	3859	3868	rVB3	183810	462369	9.22%	1.385%

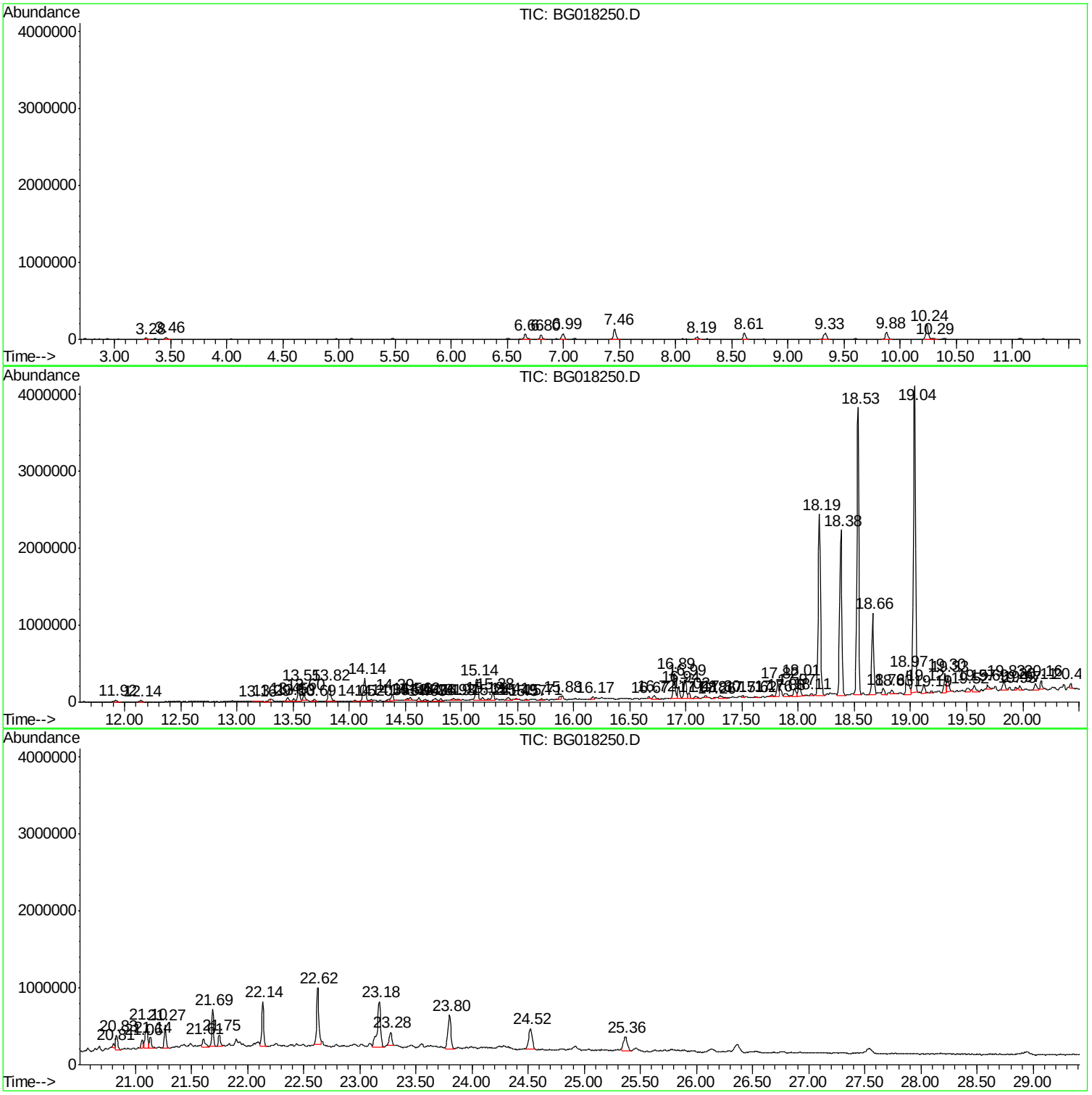
Sum of corrected areas: 33395251

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

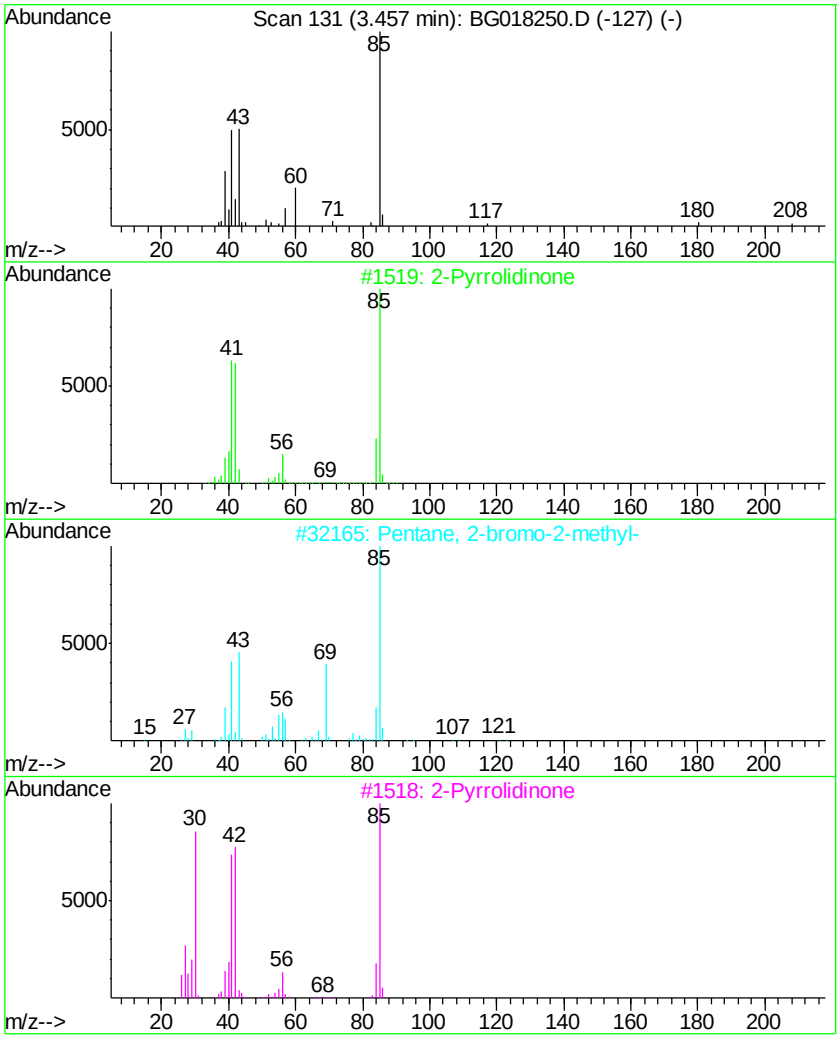
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

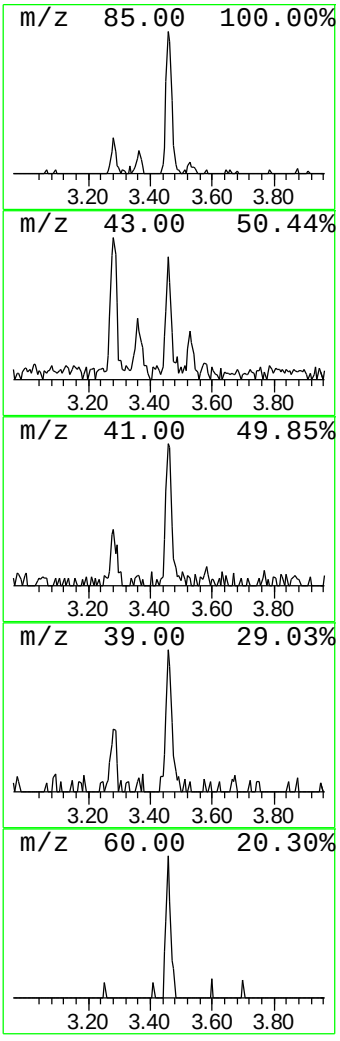
****

Peak Number 1 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	2.80 ng/ul	30149	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	38
2	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	36
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	Thiazole	85	C3H3NS	000288-47-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

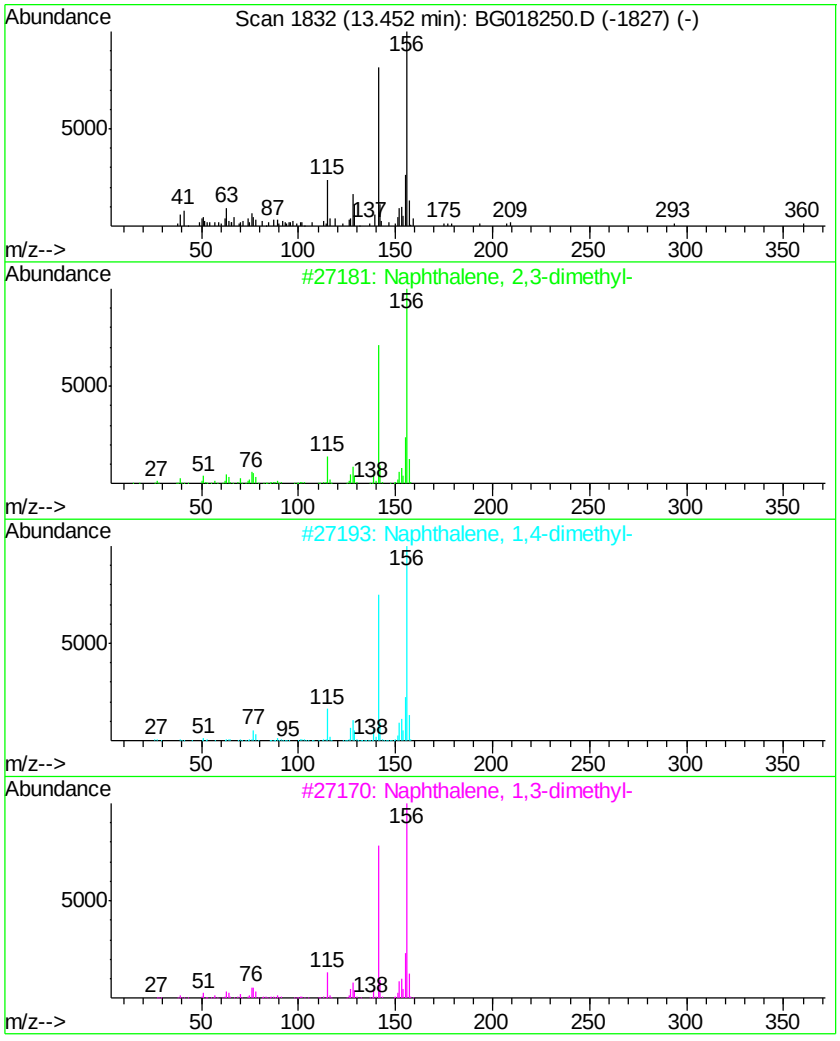
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

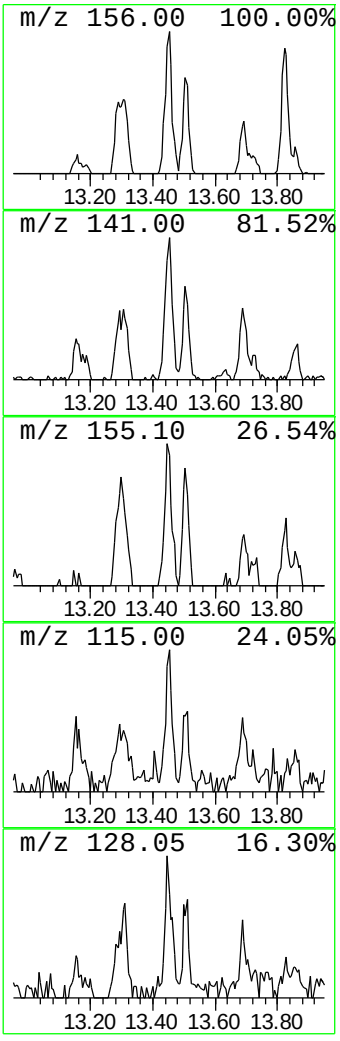
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	3.34 ng/ul	80245	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

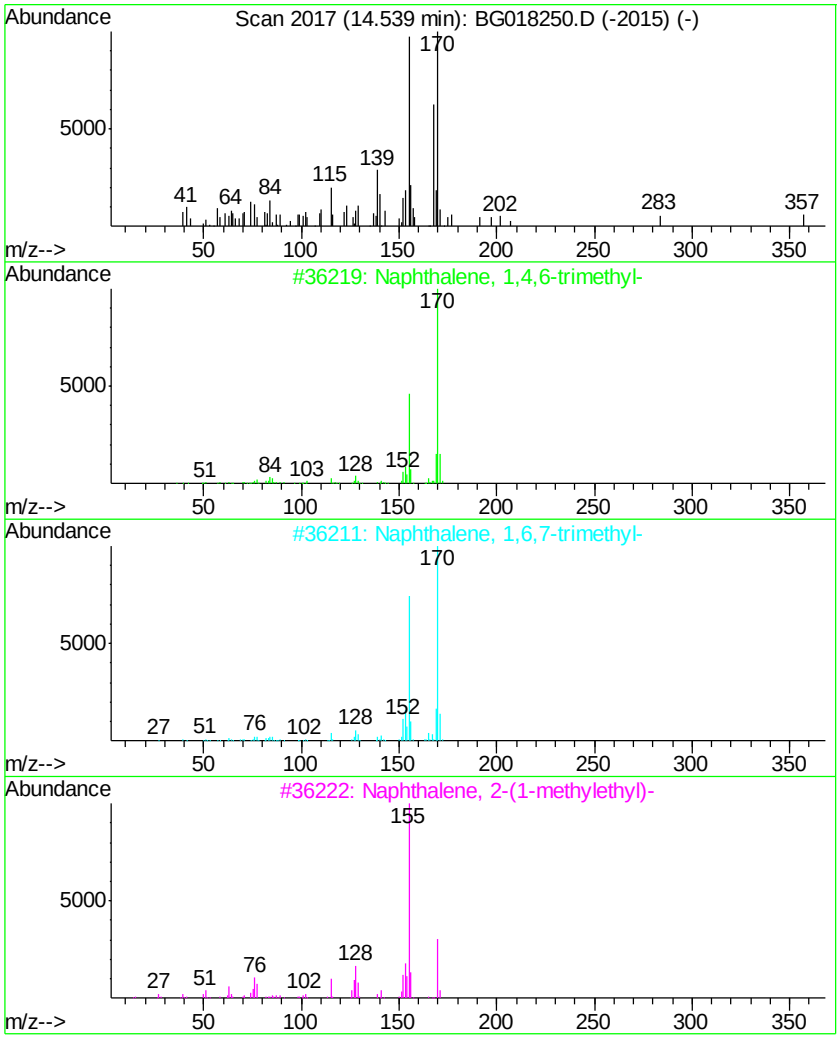
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

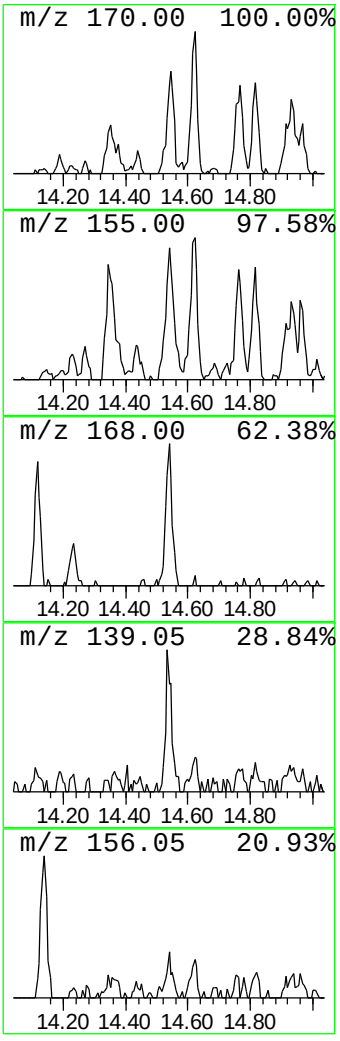
****

Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.25 ng/ul	54210	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	58
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	52
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	52
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
5	Metharbital	198	C9H14N2O3	000050-11-3	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

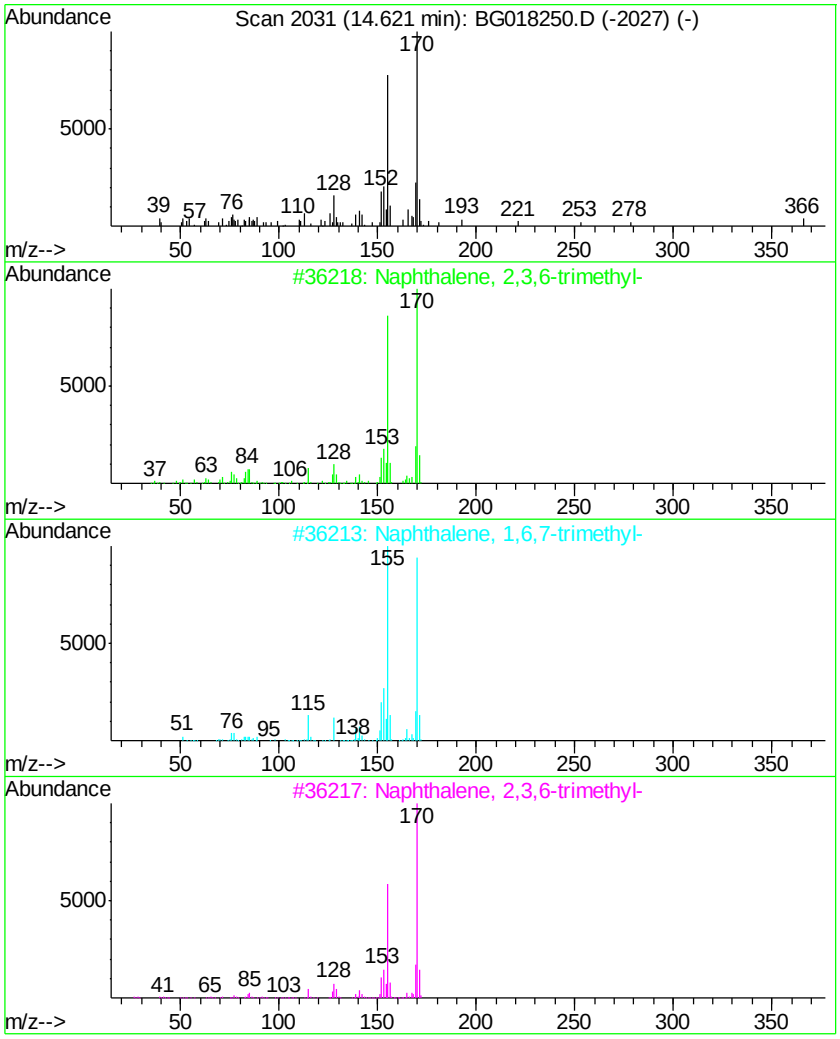
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

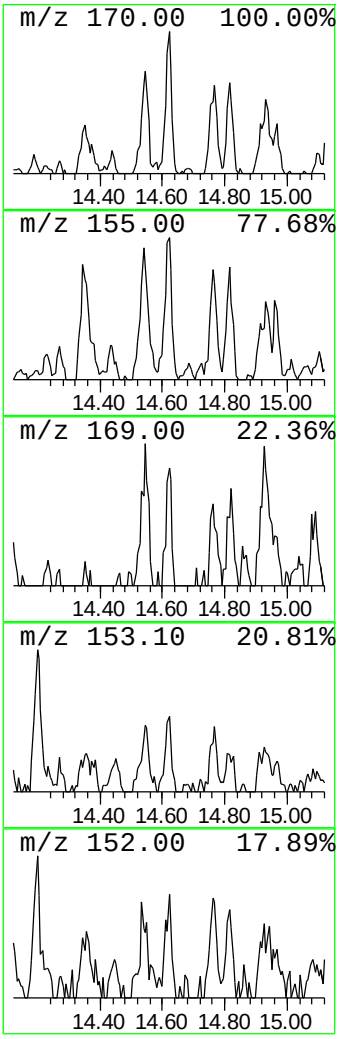
****

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.12 ng/ul	51080	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

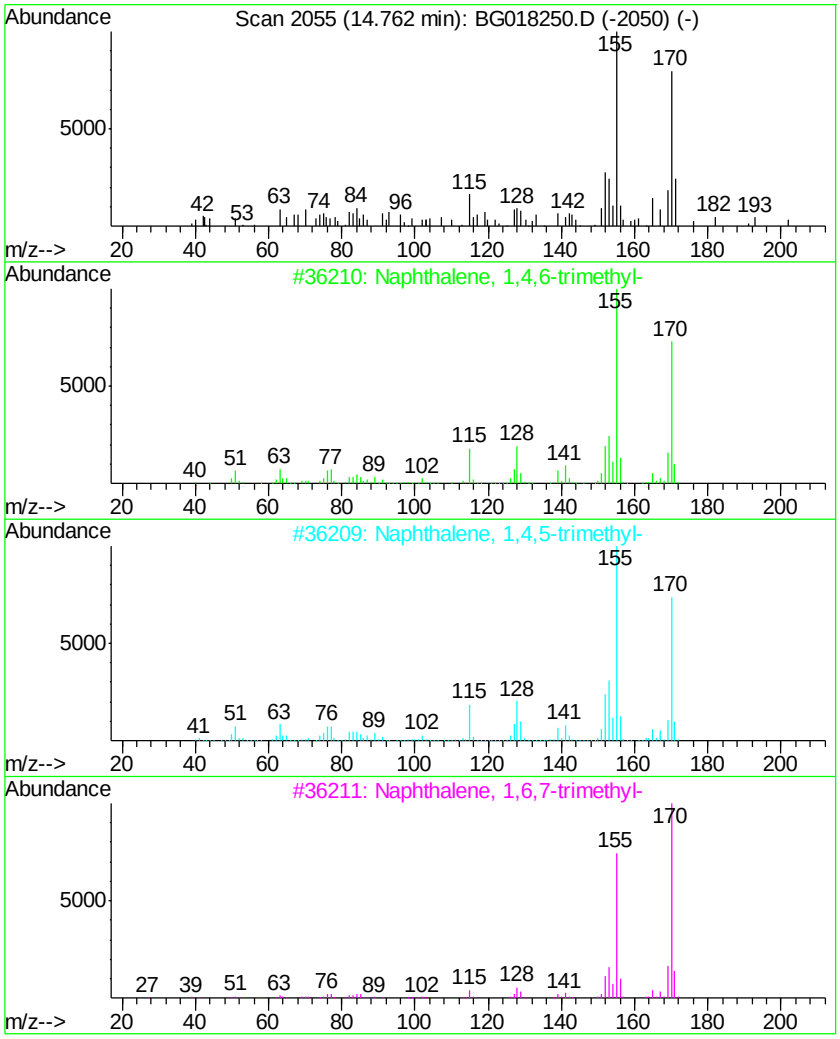
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

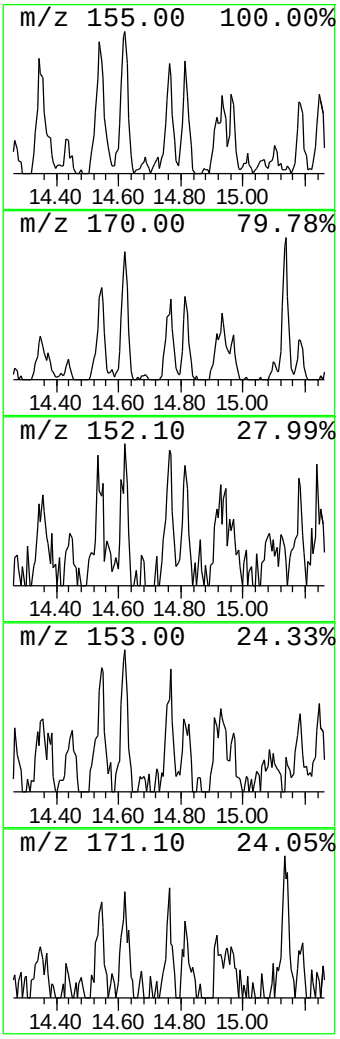
****

Peak Number 5 Naphthalene, 1,4,5-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	2.41 ng/ul	57964	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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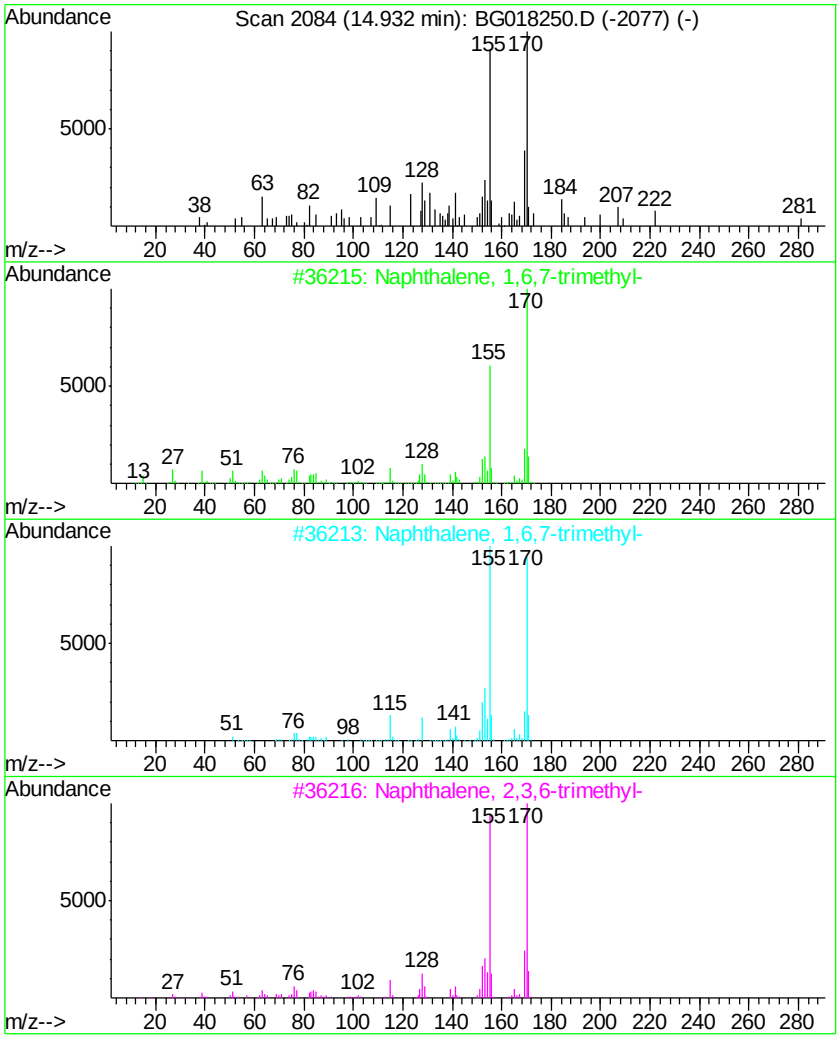
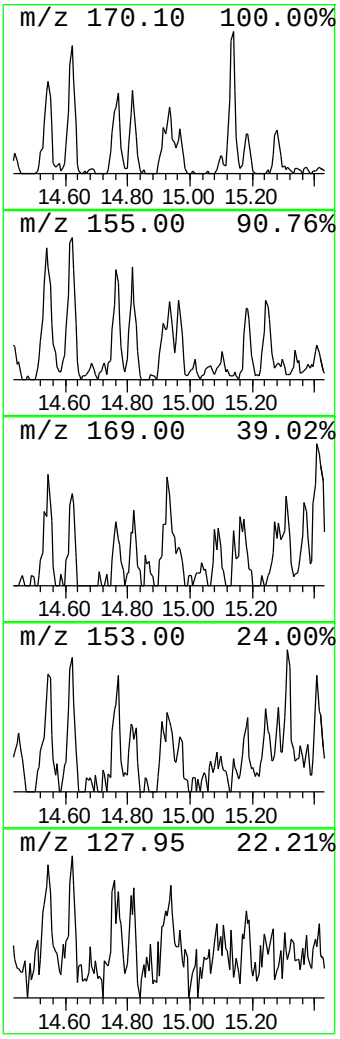
Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	2.18 ng/ul	52508	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	89
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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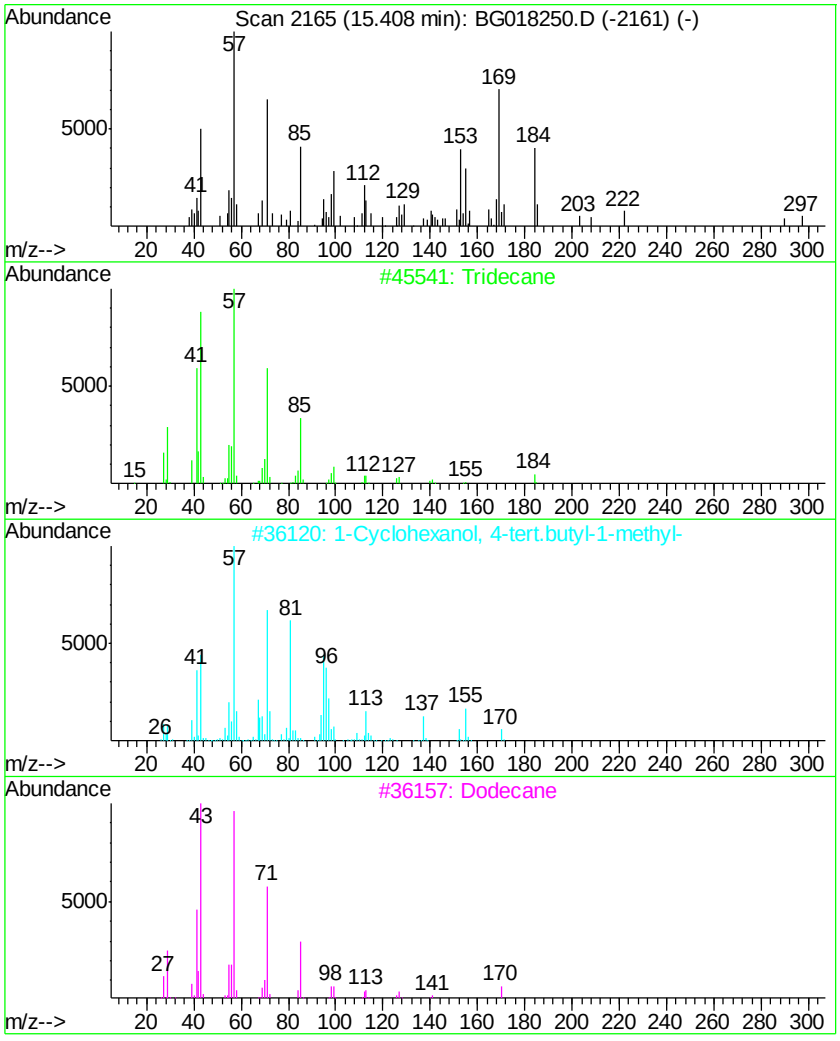
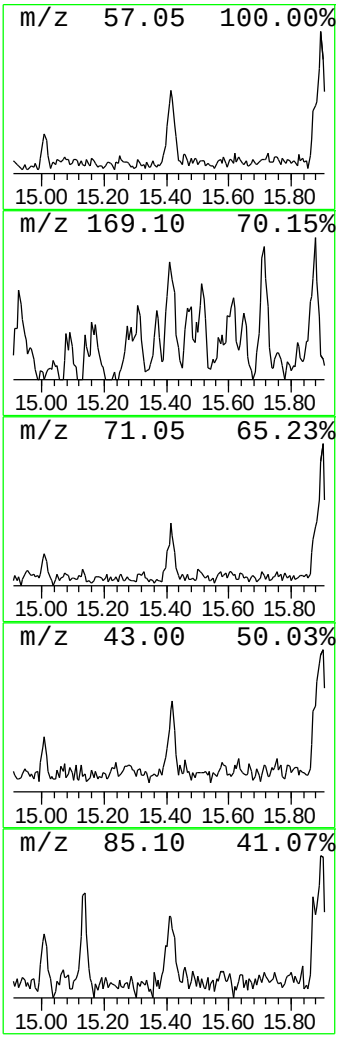
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	2.33 ng/ul	56024	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	38
2	1-Cyclohexanol, 4-tert.butyl-1-m...	170	C11H22O	1000163-45-0	38
3	Dodecane	170	C12H26	000112-40-3	38
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	35
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	35





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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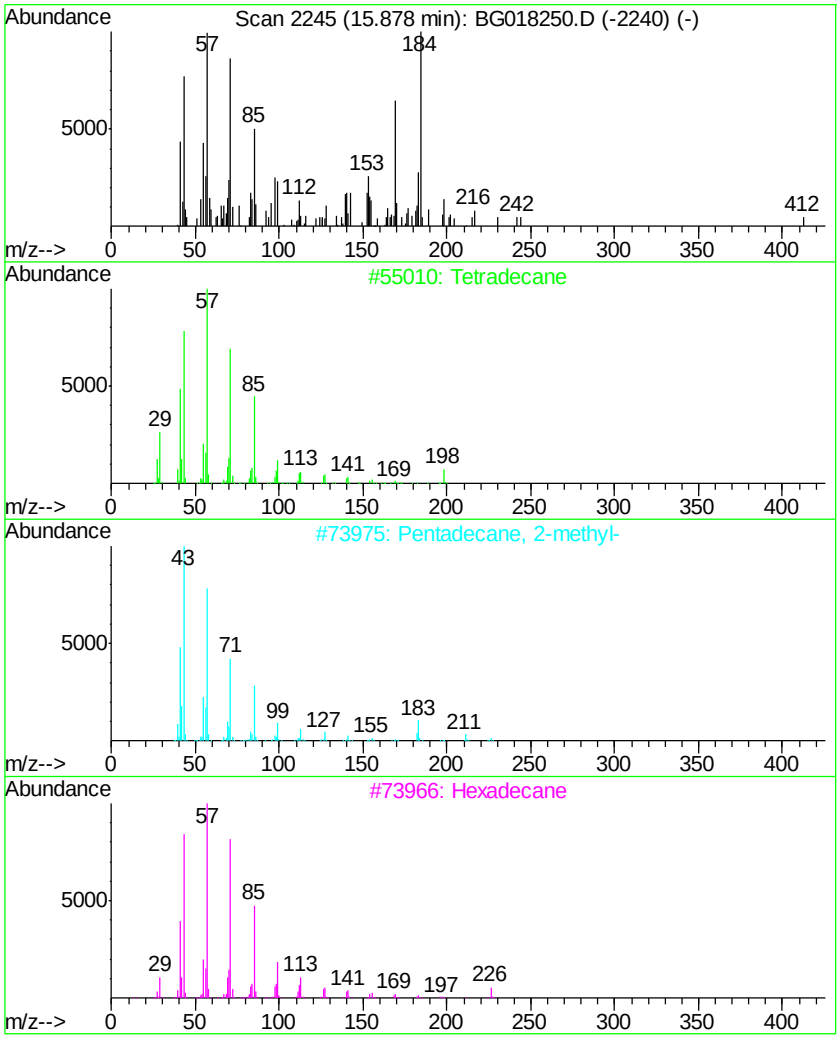
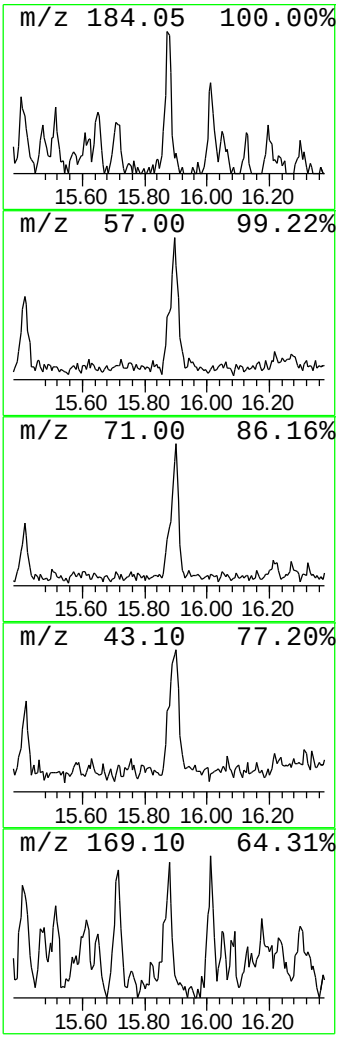
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.60 ng/ul	62025	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	50
2	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	49
3	Hexadecane	226	C16H34	000544-76-3	45
4	Tritetracontane	605	C43H88	007098-21-7	43
5	Tetradecane	198	C14H30	000629-59-4	43





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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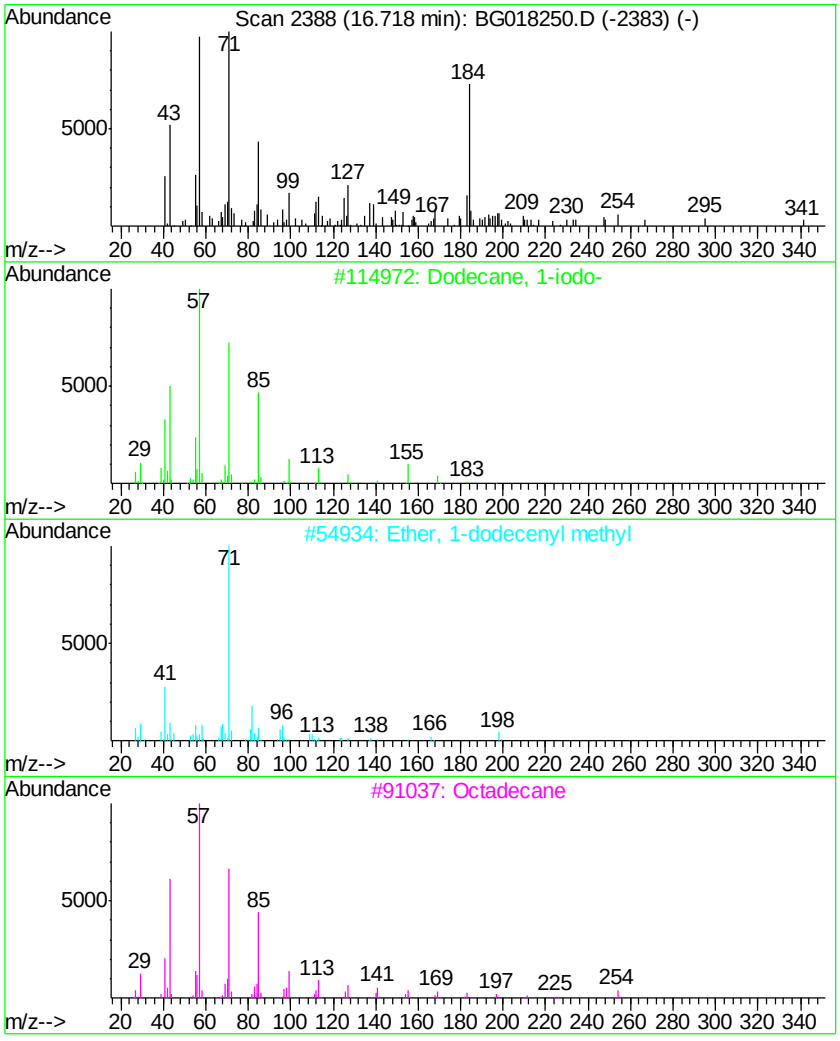
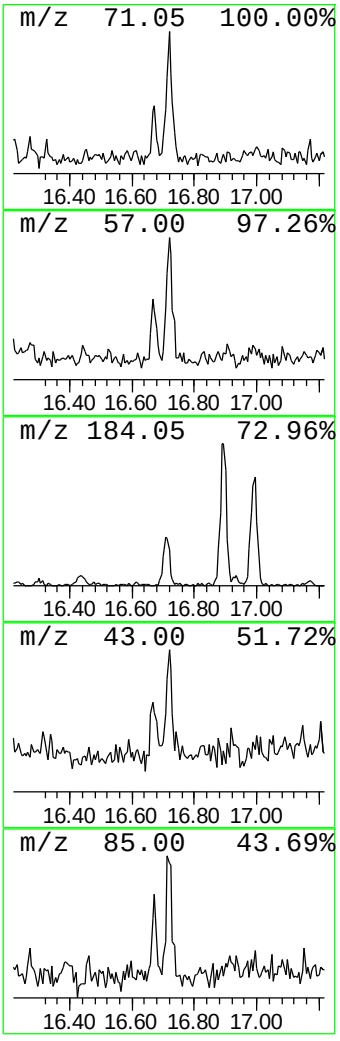
Peak Number 9 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.66 ng/ul	87487	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49
2	Ether, 1-dodecenyl methyl	198	C13H26O	026537-04-2	35
3	Octadecane	254	C18H38	000593-45-3	30
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	30
5	5,5-Dibutylnonane	240	C17H36	006008-17-9	27





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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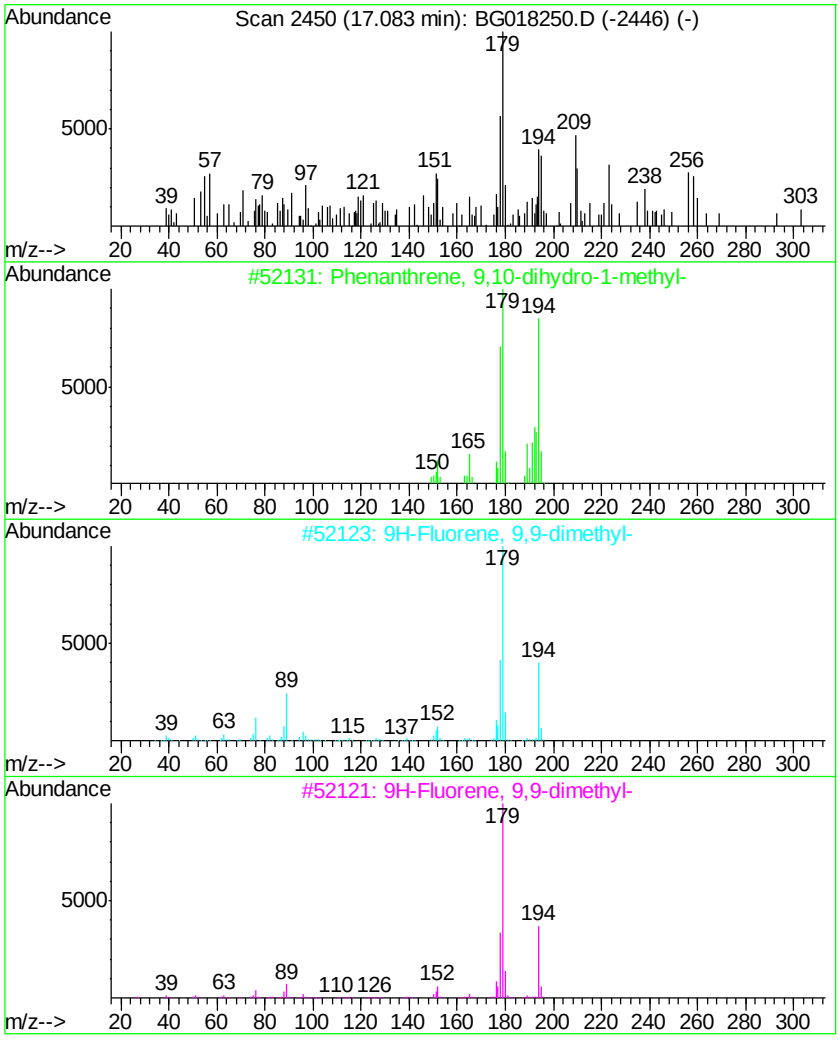
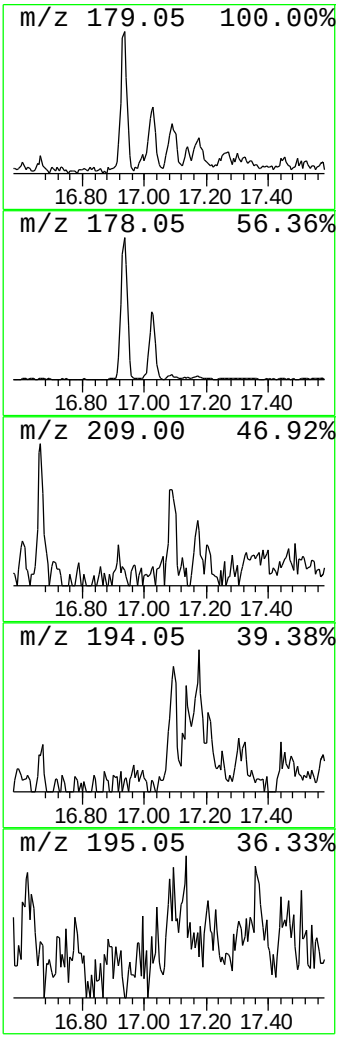
Peak Number 10 unknown-03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	2.63 ng/ul	62816	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	45
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	43
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	38
4	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	38
5	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	35





Library Search Compound Report

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Data File : BG018250.D
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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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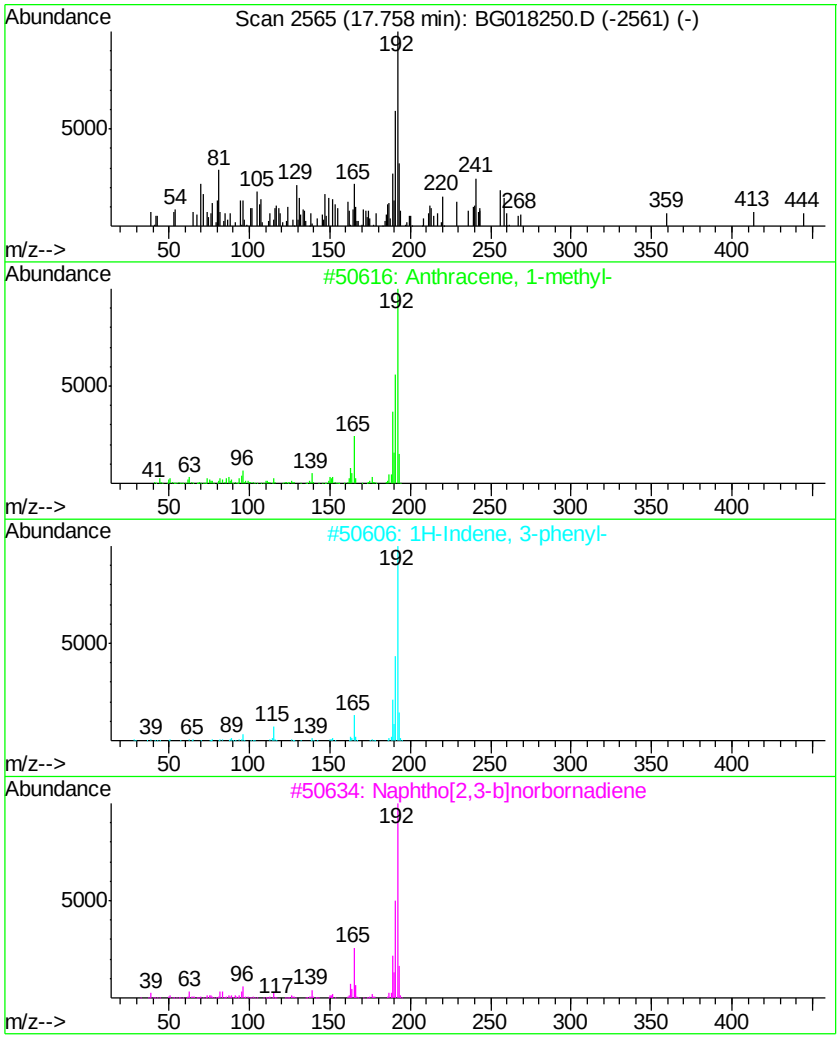
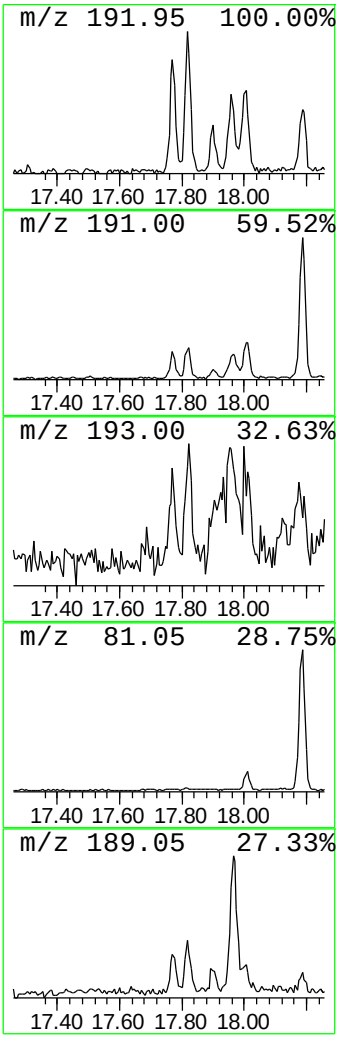
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.08 ng/ul	49683	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
2	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	72
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	72
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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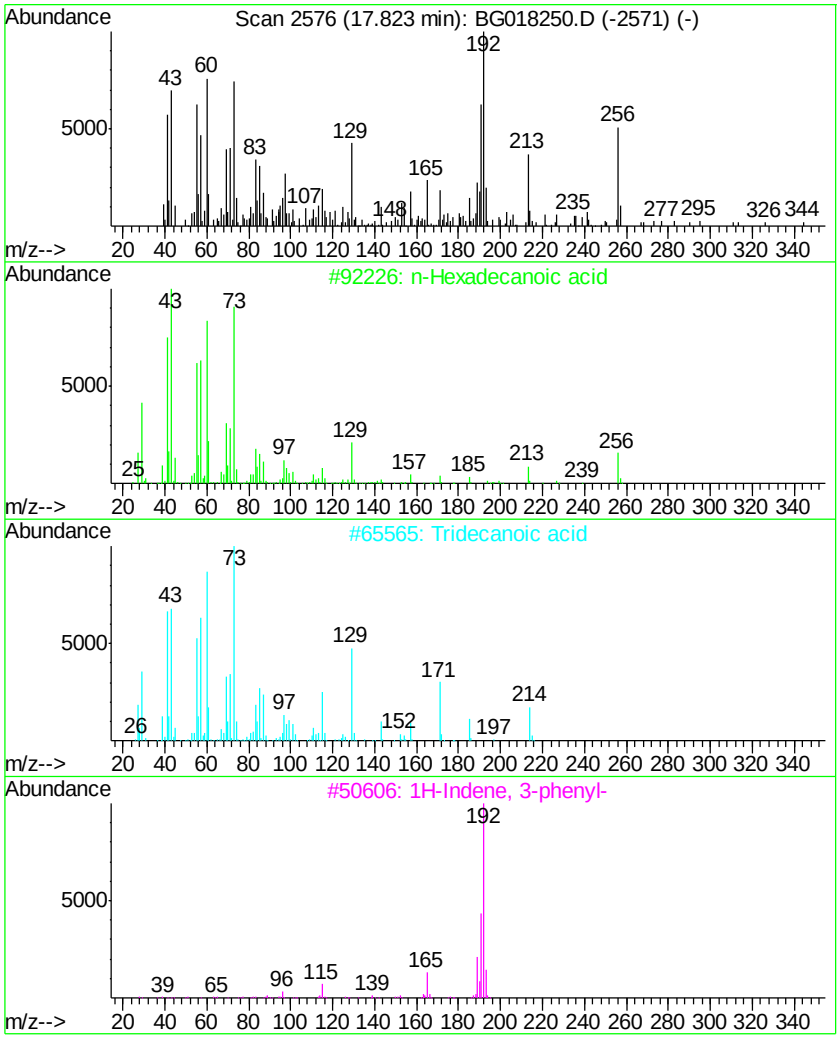
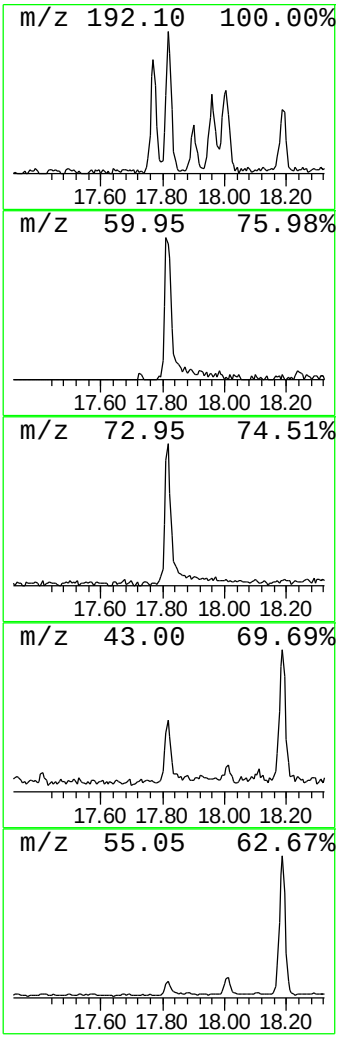
Peak Number 12 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	10.71 ng/ul	255848	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	58
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	38
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	38
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





Library Search Compound Report

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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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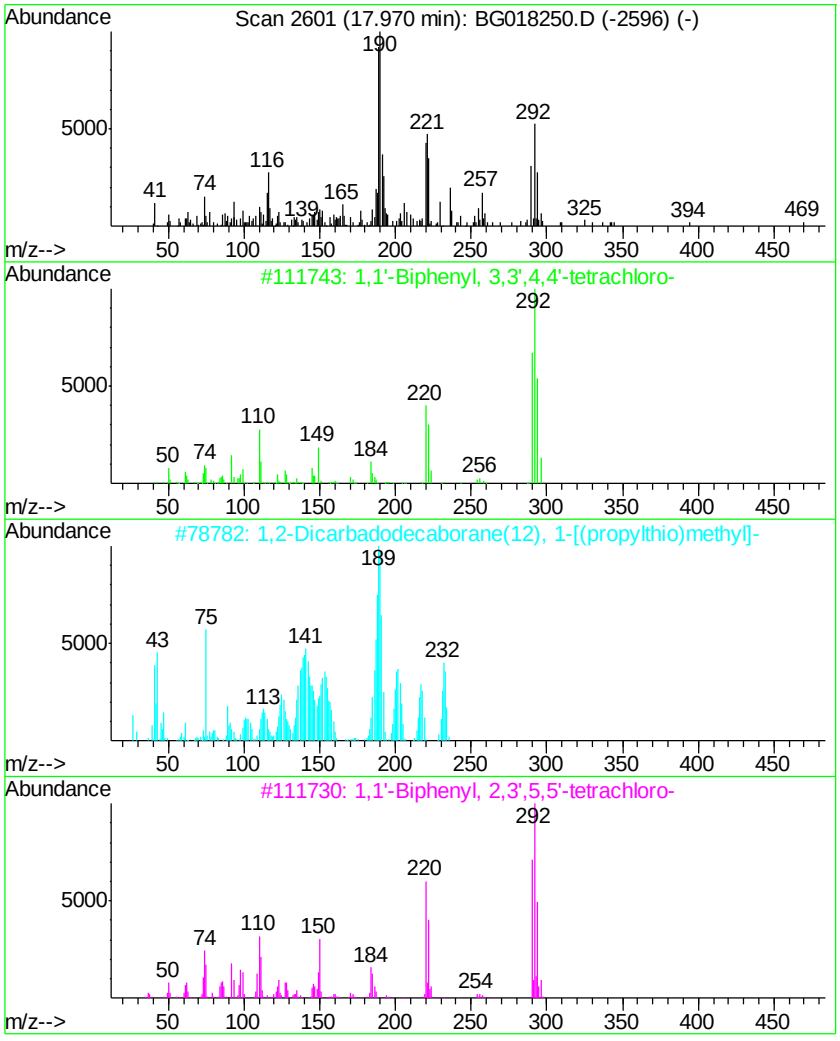
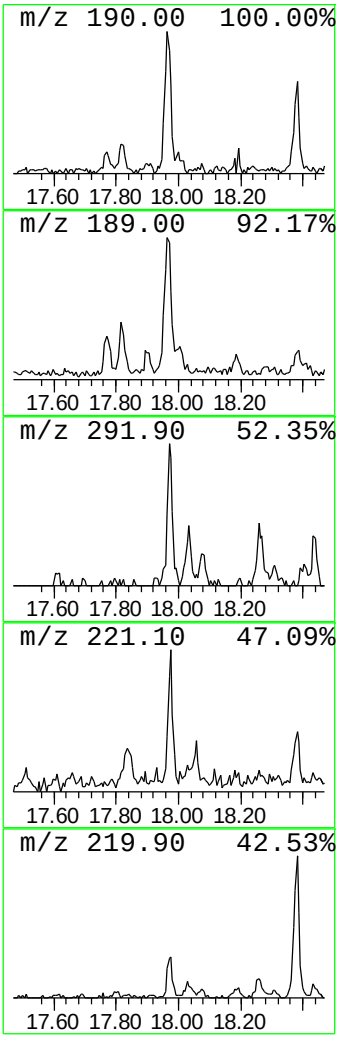
Peak Number 13 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	7.00 ng/ul	167096	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	49
2	1,2-Dicarbadodecaborane(12), 1-[...	234	C6H20B10S	062906-36-9	41
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	38
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	30
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30





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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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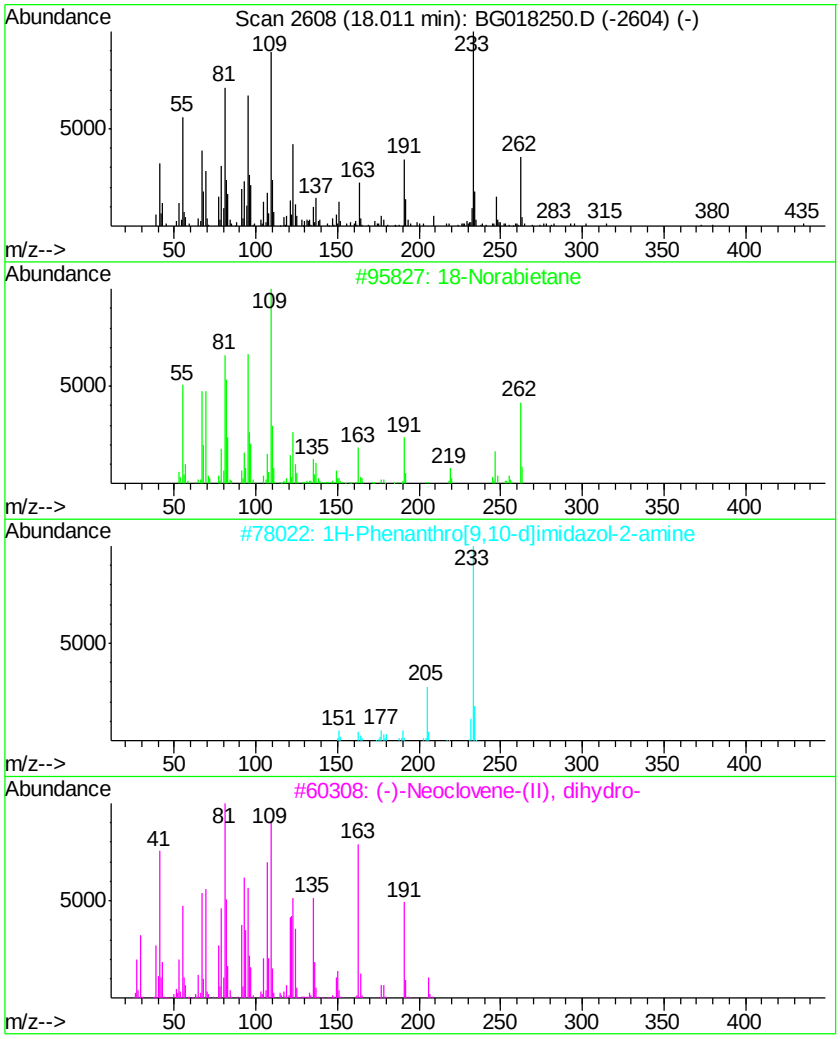
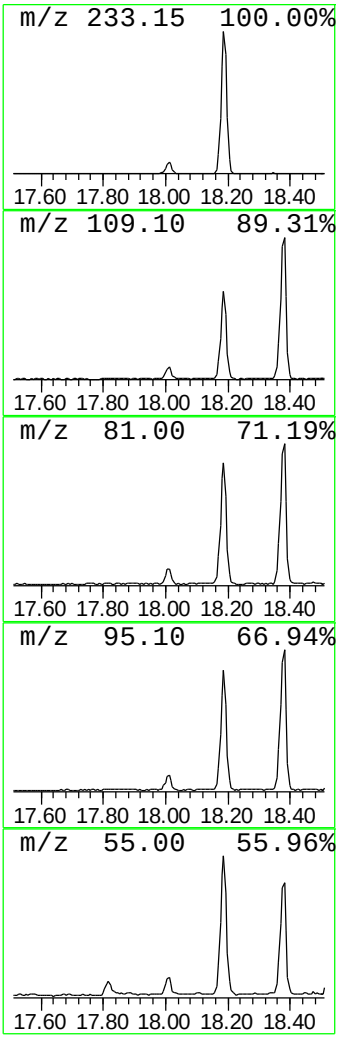
Peak Number 14 18-Norabietane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	13.13 ng/ul	313525	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	70
2	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	49
3	(-)-Neoclovene-(II), dihydro-	206	C15H26	1000152-83-6	38
4	Bicyclo[2.2.1]heptan-2-one, 5-br...	230	C10H15BrO	010293-00-2	27
5	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	22





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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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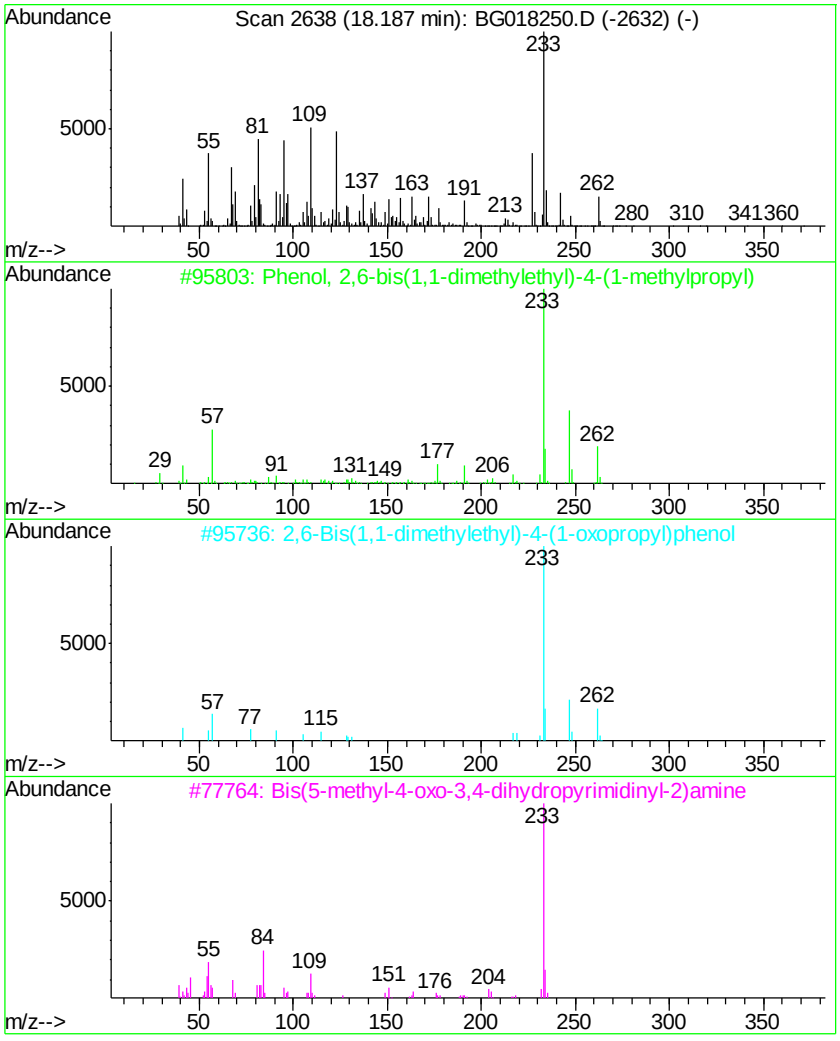
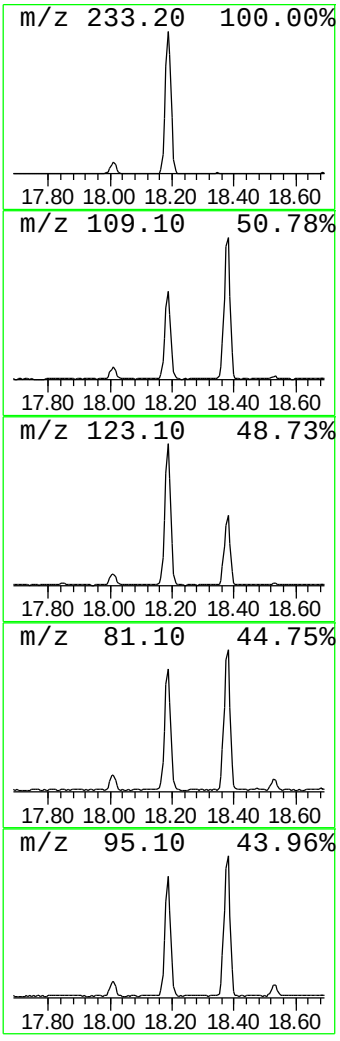
Peak Number 15 unknown-05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	133.04 ng/ul	3178040	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethy...	262	C18H30O	017540-75-9	30
2	2,6-Bis(1,1-dimethylethyl)-4-(1-...	262	C17H26O2	014035-34-8	25
3	Bis(5-methyl-4-oxo-3,4-dihydropy...	233	C10H11N5O2	1000078-58-5	16
4	N1-(4,4-Dimethyl-1,3-thiazolan-2...	248	C14H20N2S	284665-76-5	16
5	2,2':6',2"-Terpyridine	233	C15H11N3	001148-79-4	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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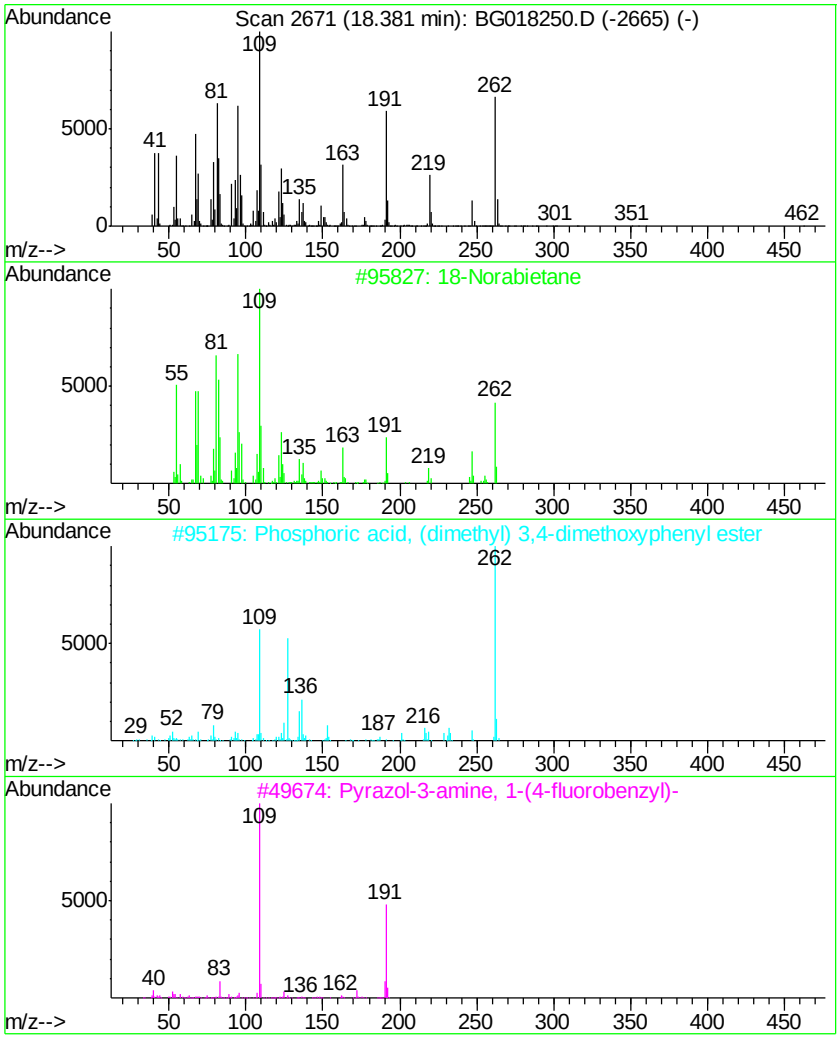
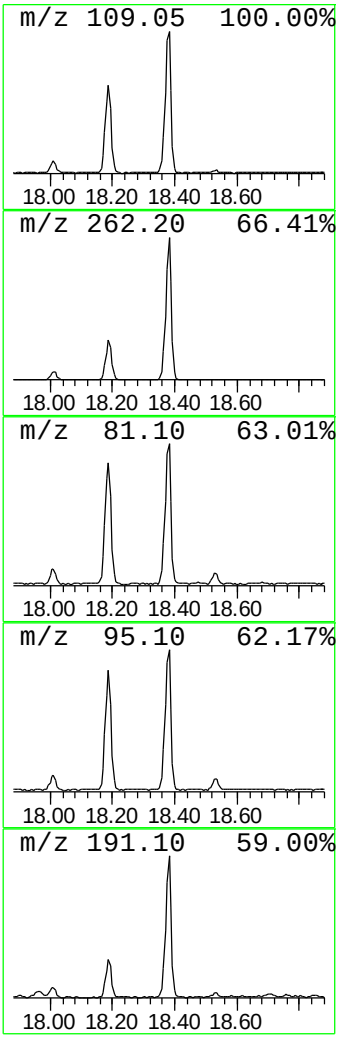
Peak Number 16 unknown-06 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	119.08 ng/ul	2844510	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	90
2	Phosphoric acid, (dimethyl) 3,4-...	262	C10H15O6P	094420-74-3	35
3	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	27
4	7H-Furo[3,2-g][1]benzopyran-7-on...	262	C13H10O6	027230-32-6	25
5	Fenthion O-analog	262	C10H15O4PS	006552-12-1	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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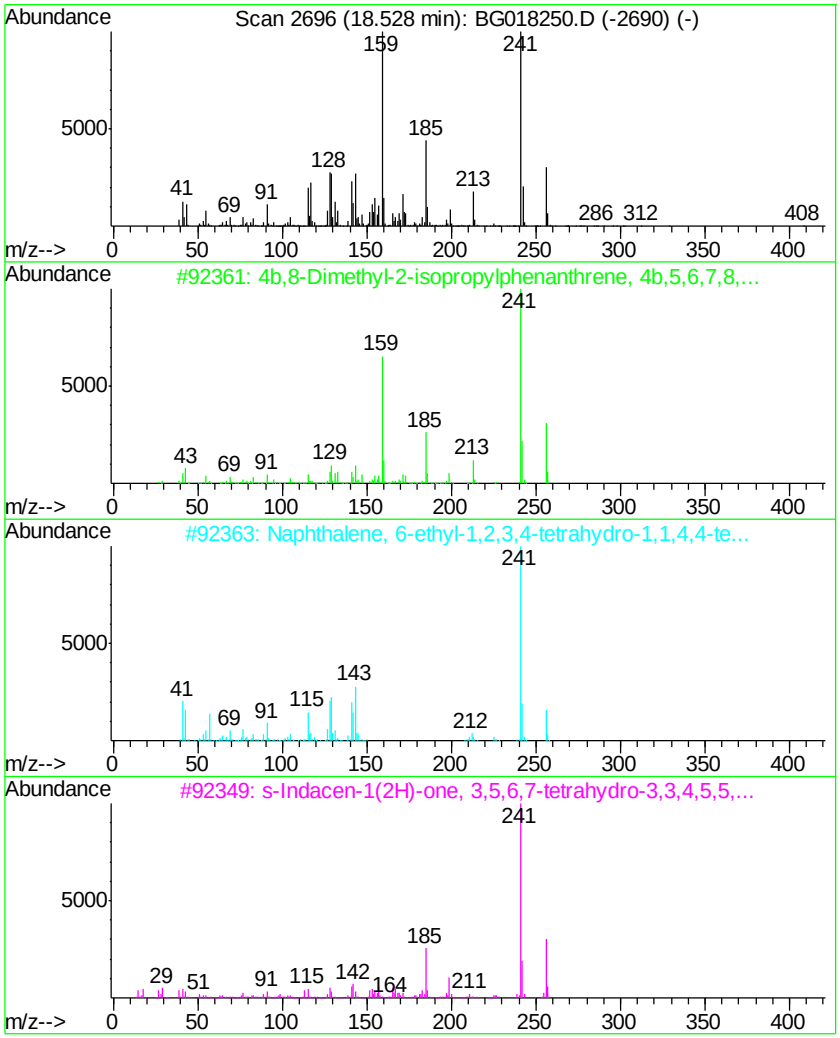
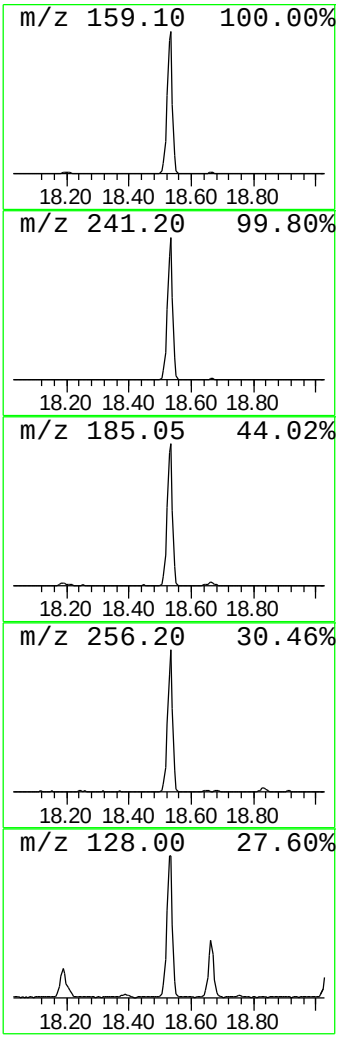
Peak Number 17 4b,8-Dimethyl-2-isopropylph... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	191.63 ng/ul	4577460	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	46
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	42
4	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	27
5	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	27





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Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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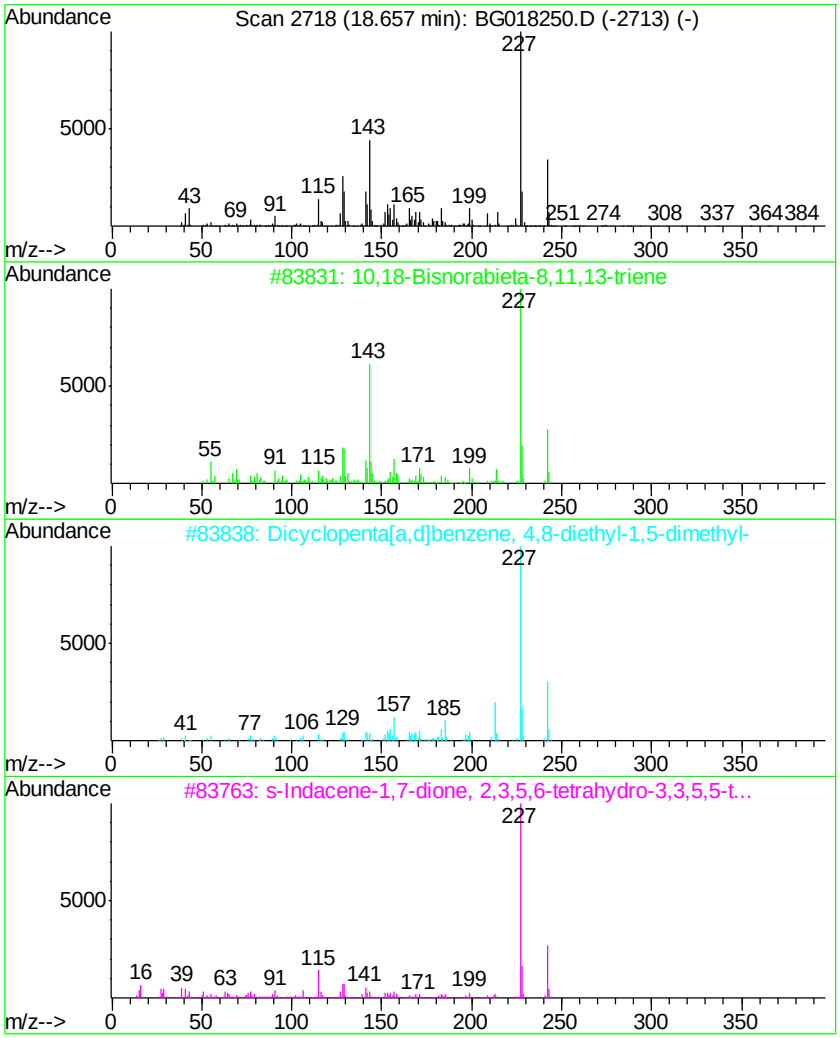
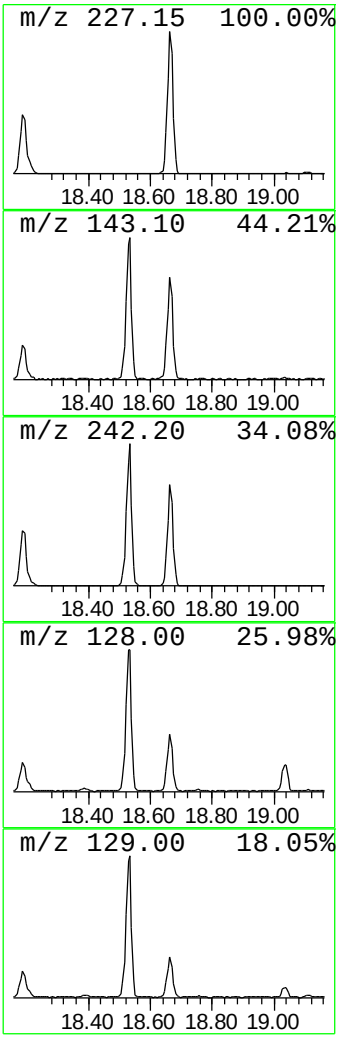
Peak Number 18 10,18-Bisnorabieta-8,11,13-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	54.64 ng/ul	1305200	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	91
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	78
3	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	55
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	49
5	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	43





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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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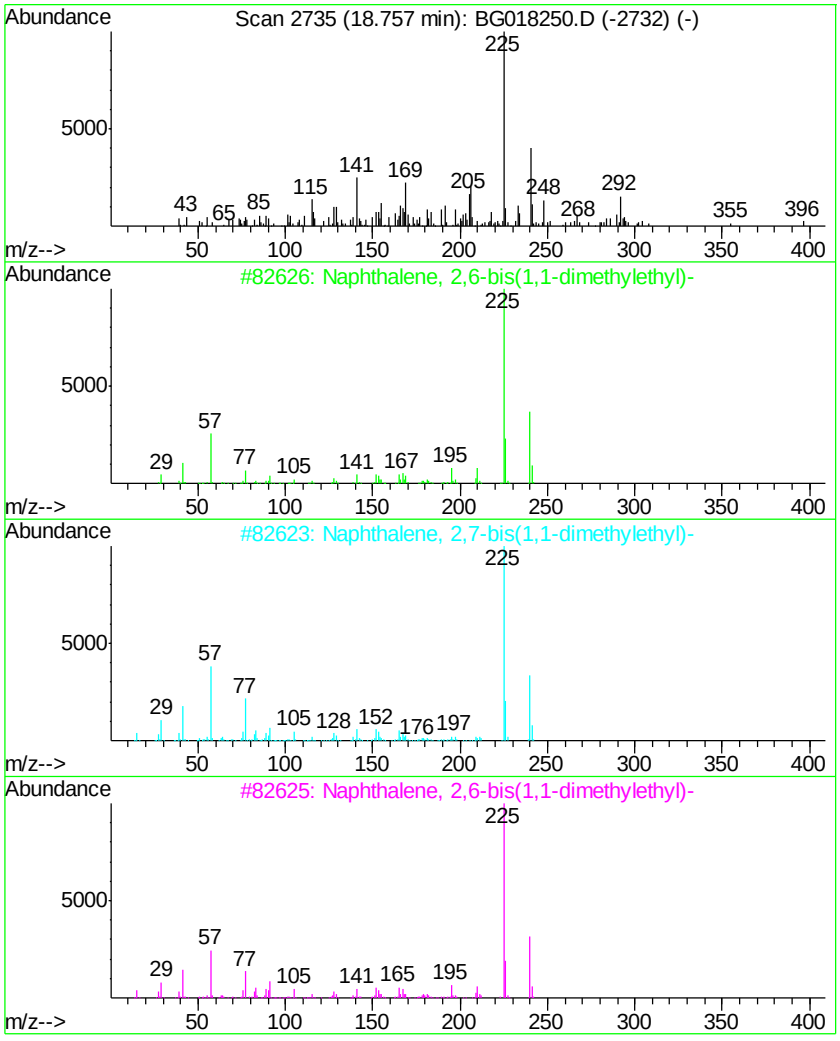
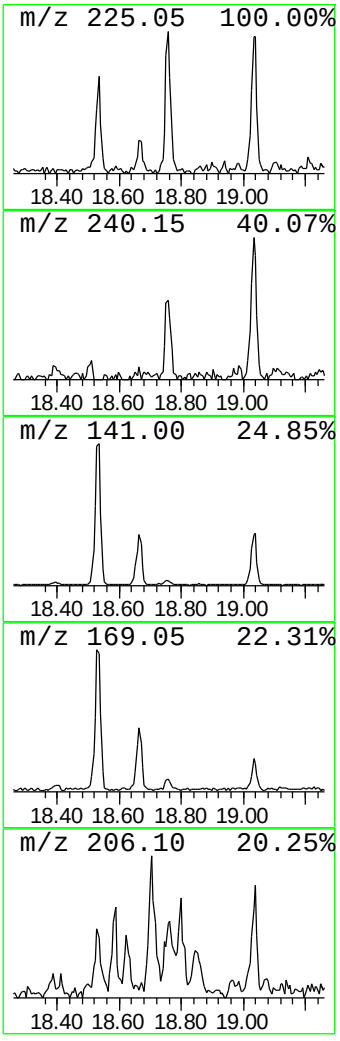
Peak Number 19 unknown-07 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	4.26 ng/ul	101803	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-bis(1,1-dimethy...	240	C18H24	003905-64-4	49
2	Naphthalene, 2,7-bis(1,1-dimethy...	240	C18H24	010275-58-8	46
3	Naphthalene, 2,6-bis(1,1-dimethy...	240	C18H24	003905-64-4	43
4	Dimethyl 6-methoxyquinolinate	225	C10H11NO5	032383-04-3	38
5	Phenol, 4-chloro-2,6-bis(1,1-dim...	240	C14H21ClO	004096-72-4	37





Library Search Compound Report

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Data File : BG018250.D
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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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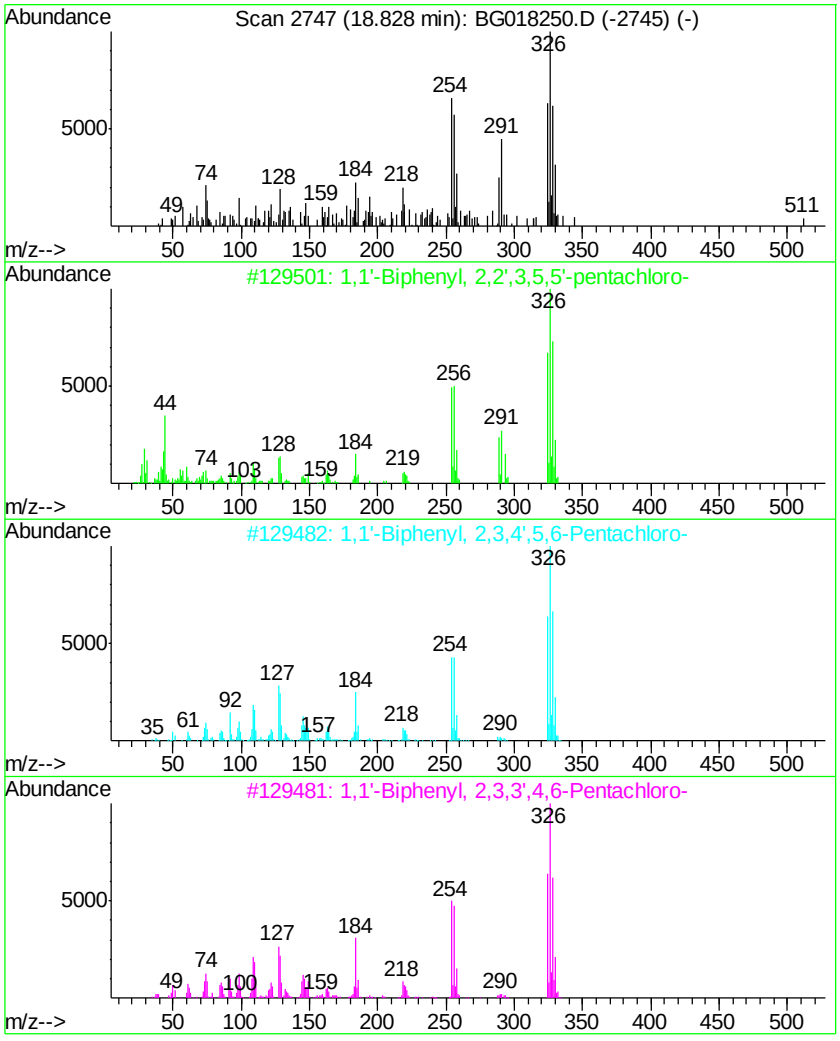
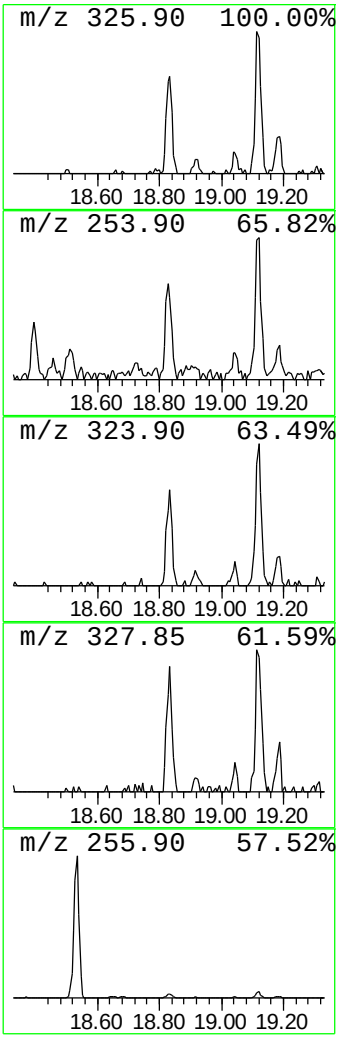
Peak Number 20 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.16 ng/ul	75542	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	94
2	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	91
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	91
4	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	87
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	81





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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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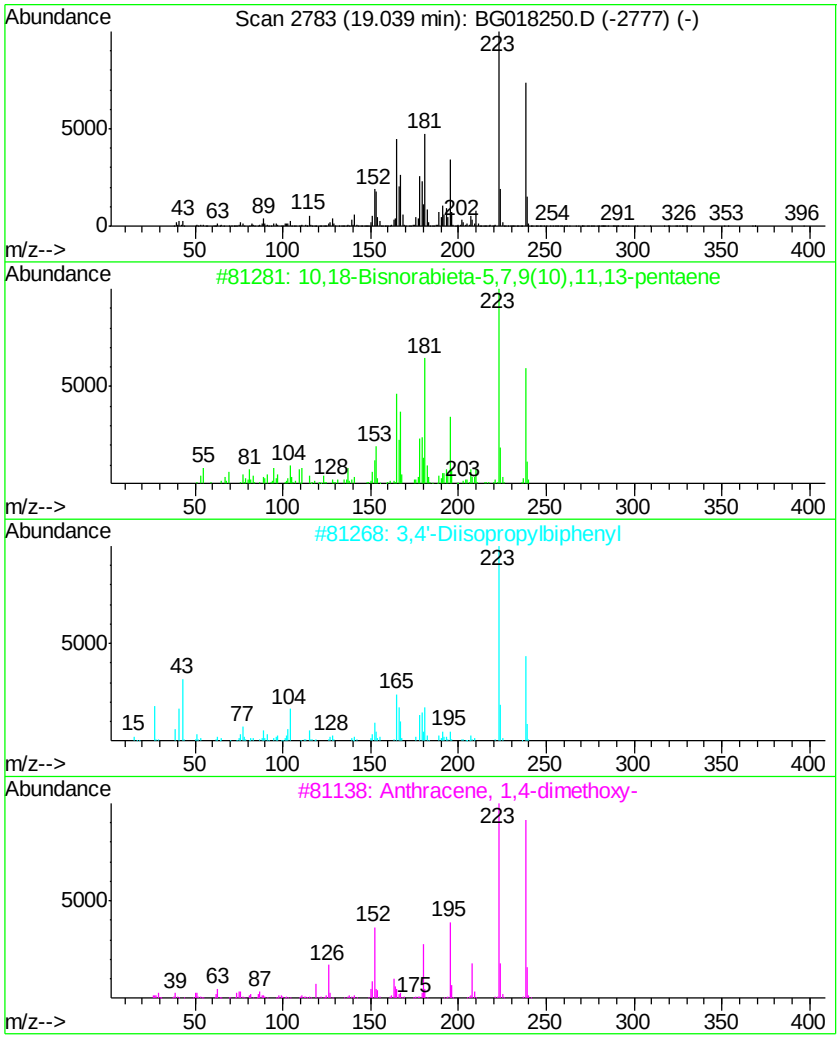
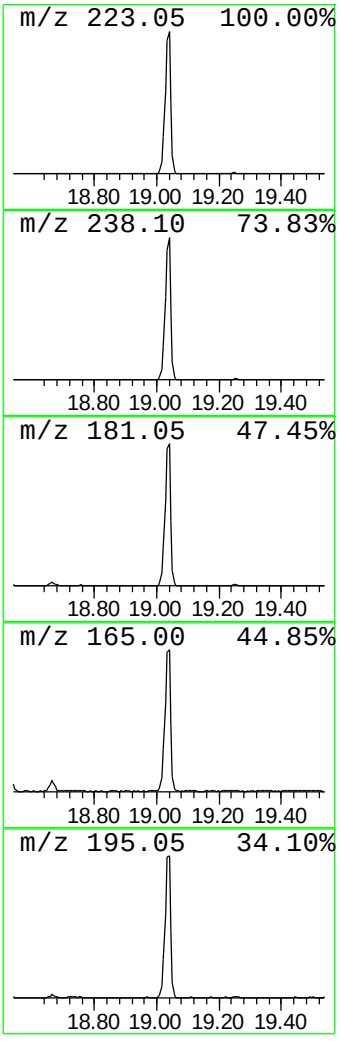
Peak Number 21 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	218.85 ng/ul	5012550	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	55
3	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	55
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
5	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	53





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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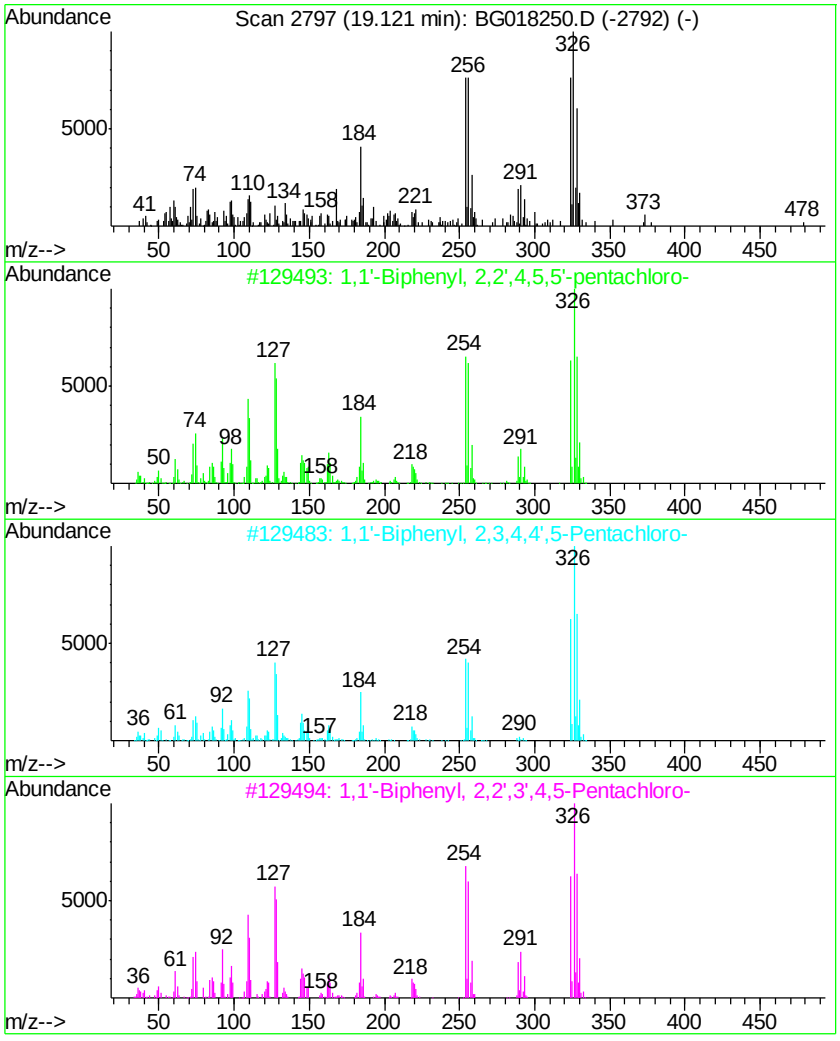
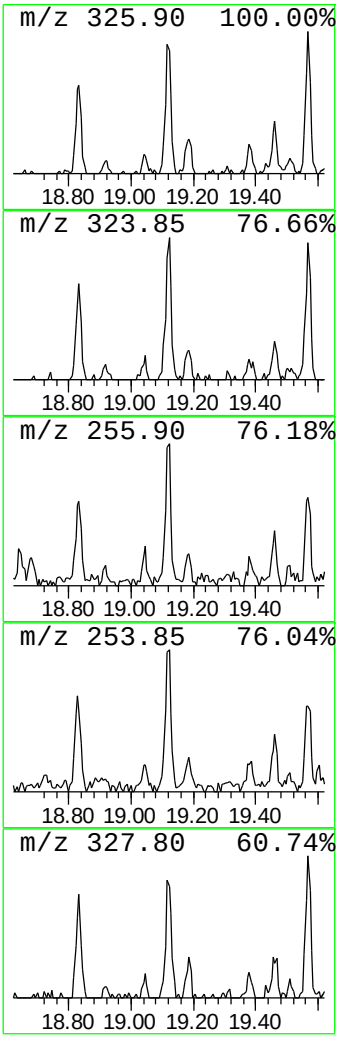
Peak Number 22 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	7.08 ng/ul	162257	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94
2	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	94
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	94





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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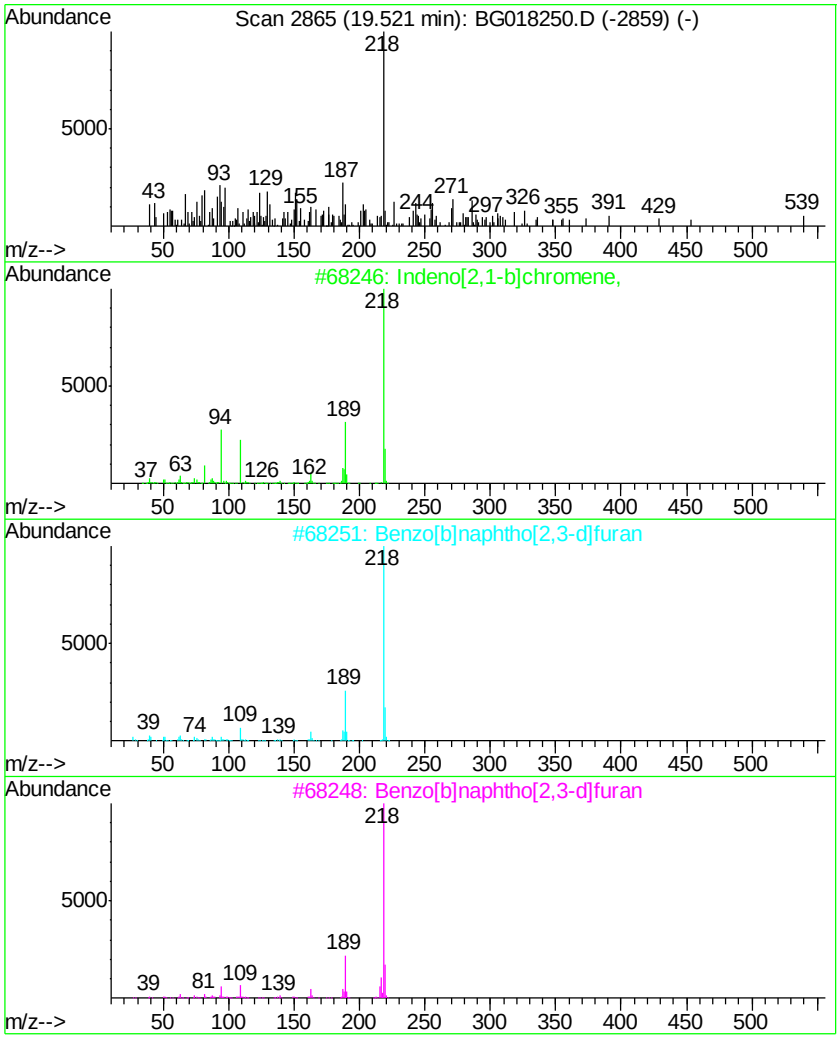
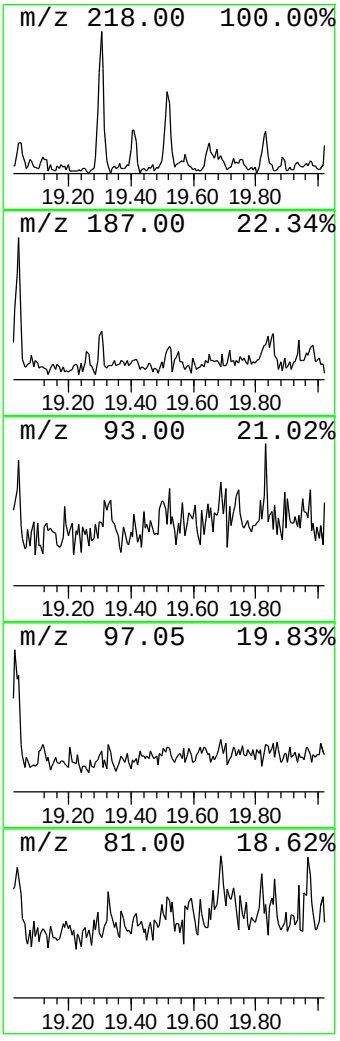
Peak Number 23 unknown-08 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	3.72 ng/ul	85224	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	49
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	49
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	47
4	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	47
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	47





Library Search Compound Report

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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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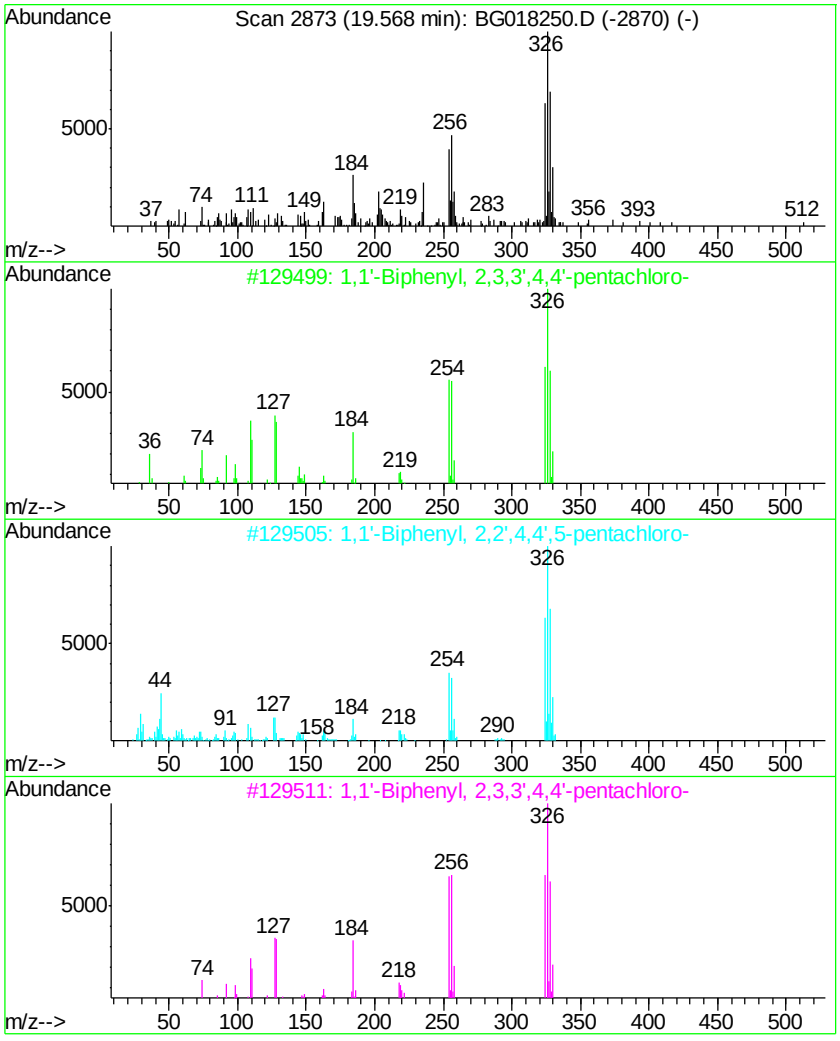
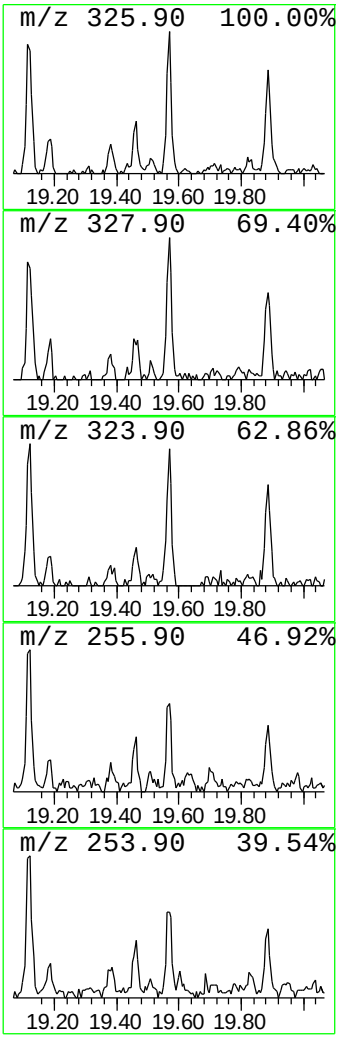
Peak Number 24 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	5.82 ng/ul	133208	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	93
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	91
5	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	91





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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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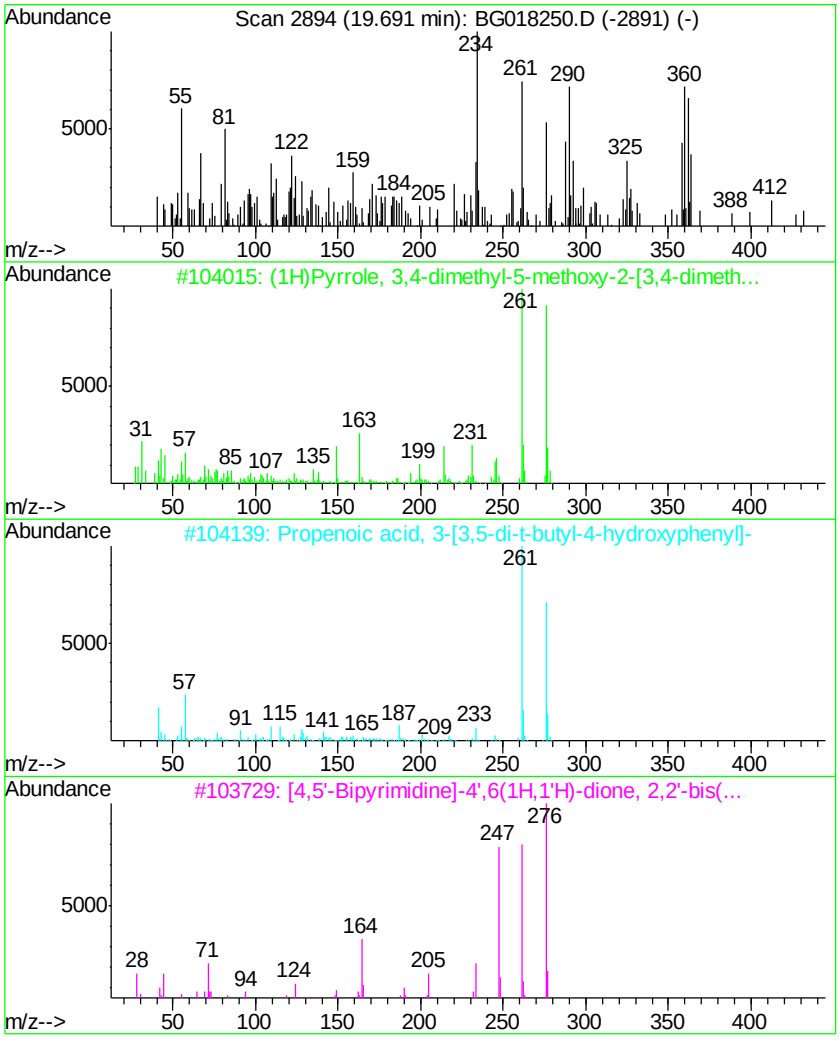
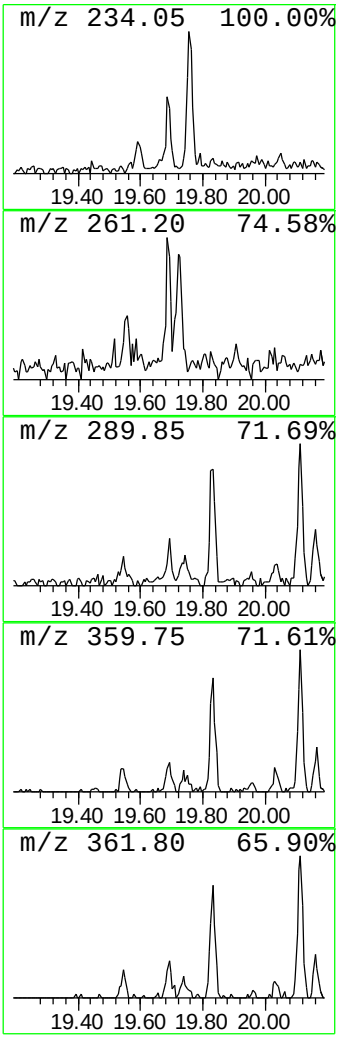
Peak Number 25 unknown-09 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.57 ng/ul	58948	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1H)Pyrrole, 3,4-dimethyl-5-meth...	276	C15H20N2OS	1000197-22-6	38
2	Propenoic acid, 3-[3,5-di-t-buty...	276	C17H24O3	1000130-26-8	30
3	[4,5'-Bipyrimidine]-4',6(1H,1'H)...	276	C12H16N6O2	059549-59-6	25
4	2-Ethyl-trans-4a,cis-4b,trans-8a...	276	C19H32O	1000243-62-9	25
5	2-Phenyl-7-methylthio-1,3,4-thia...	276	C11H8N4OS2	066181-51-9	22





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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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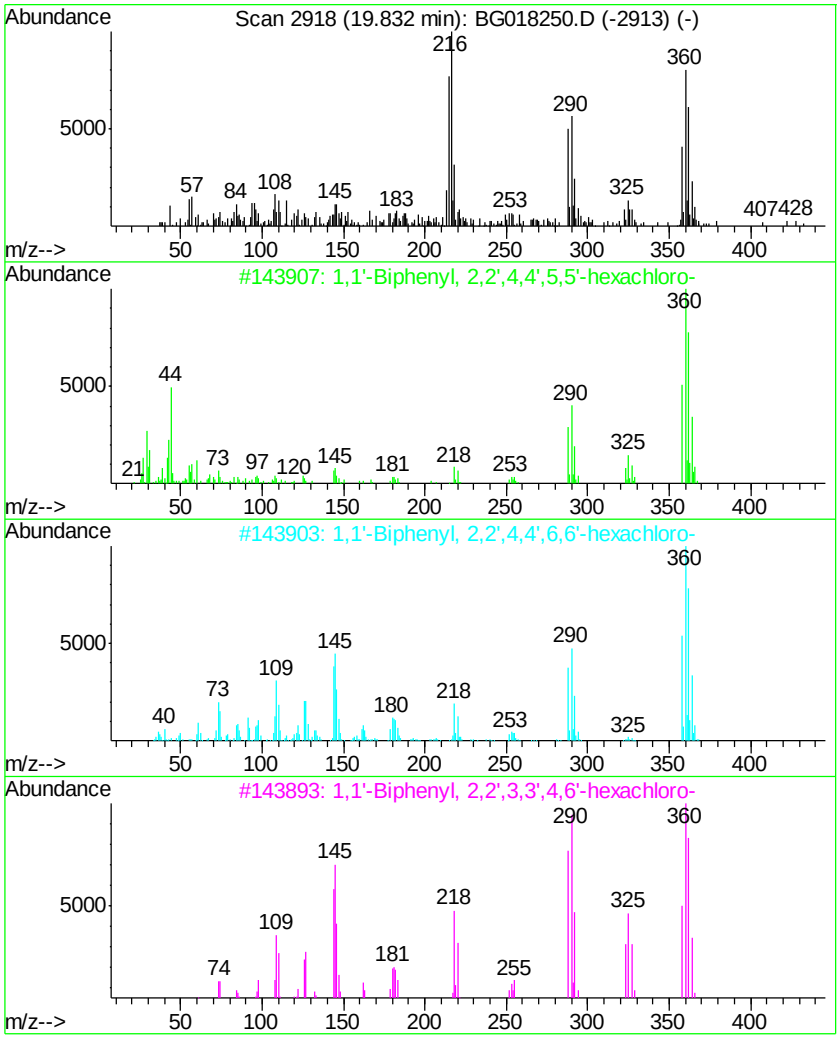
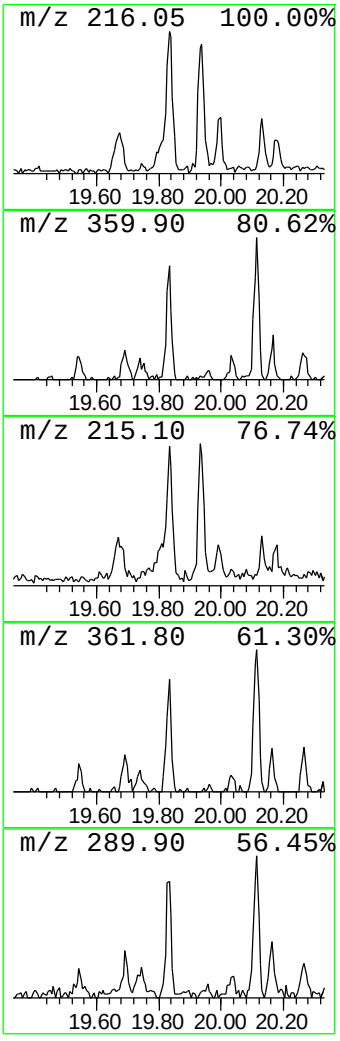
Peak Number 26 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	8.93 ng/ul	204506	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	97
2	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	83
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	78
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	70
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	70





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Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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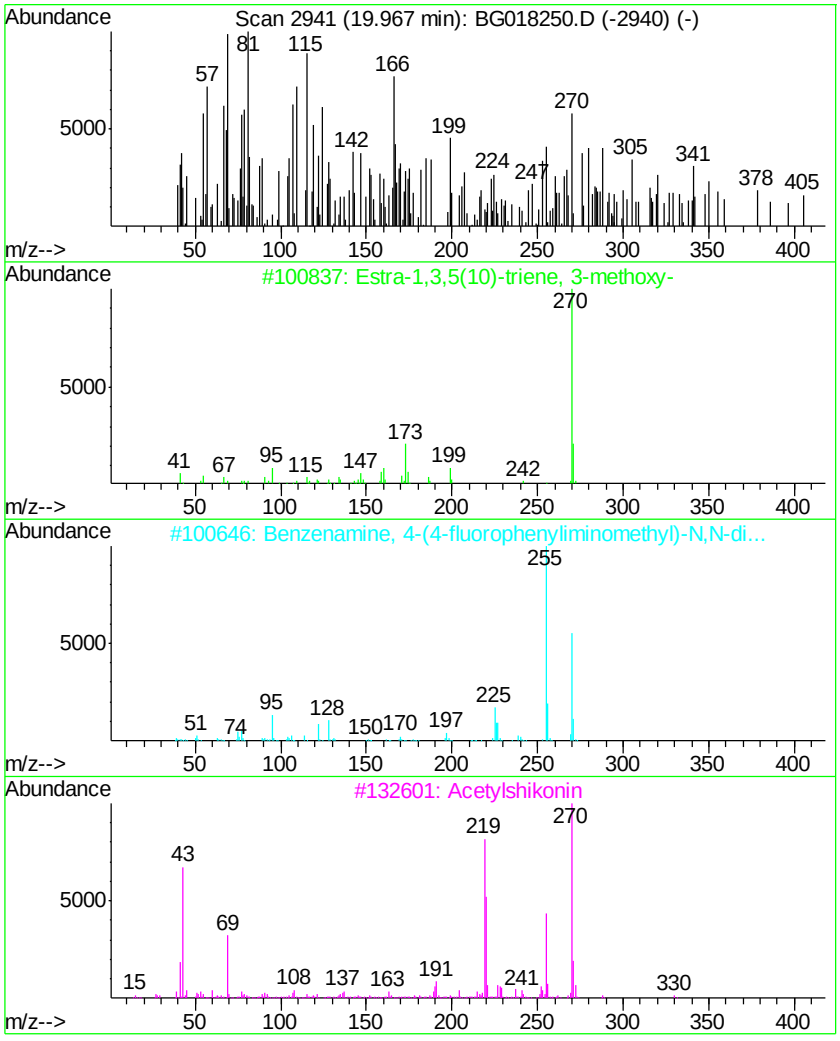
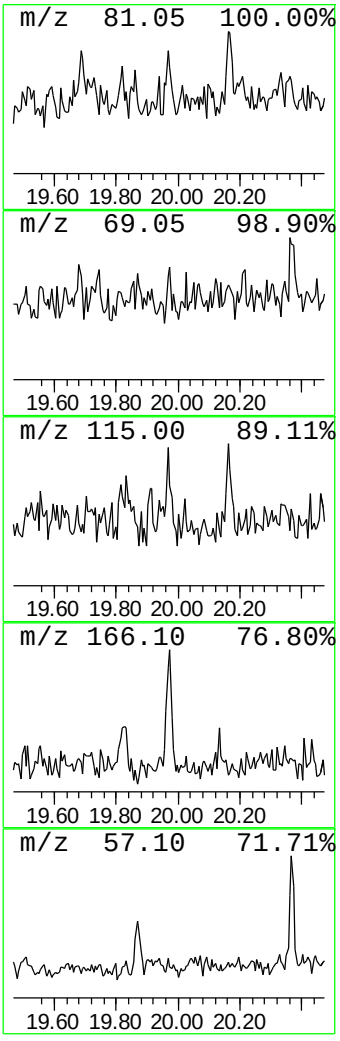
Peak Number 27 unknown-10 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.48 ng/ul	56738	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-1,3,5(10)-triene, 3-methoxy-	270	C19H26O	014550-57-3	47
2	Benzenamine, 4-(4-fluorophenylim...	270	C17H19FN2	1000260-40-0	18
3	Acetylshikonin	330	C18H18O6	024502-78-1	14
4	S-Indacene-1,7-dione, 2,3,5,6-te...	270	C18H22O2	055591-16-7	14
5	5,7-Dihydroxy-2-methyl-2-phenyl-...	270	C16H14O4	108838-42-2	14





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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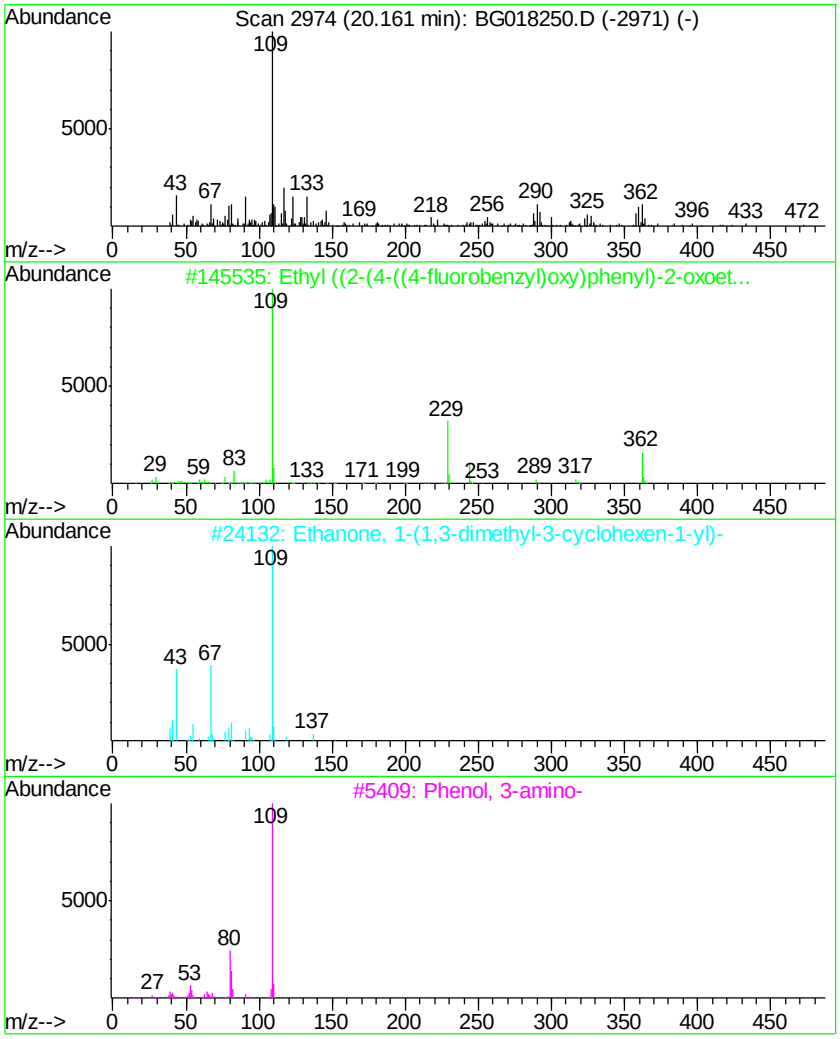
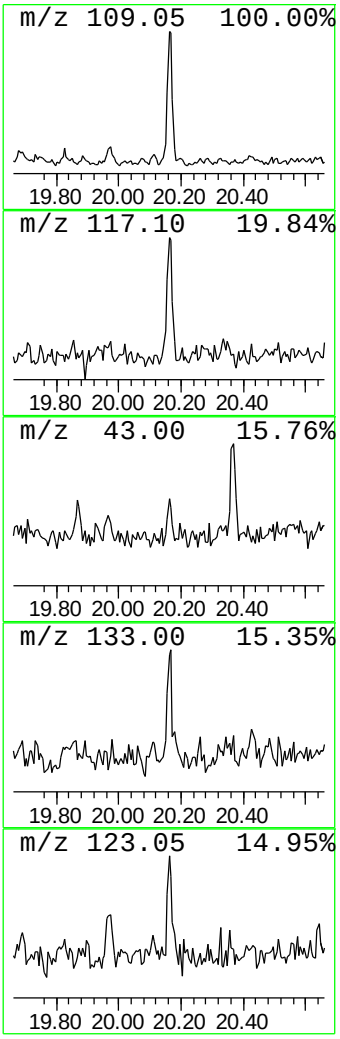
Peak Number 29 unknown-11 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	5.17 ng/ul	118420	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ((2-(4-((4-fluorobenzyl)ox...	362	C19H19FO4S	1000298-20-1	47
2	Ethanone, 1-(1,3-dimethyl-3-cycl...	152	C10H16O	051733-68-7	38
3	Phenol, 3-amino-	109	C6H7NO	000591-27-5	38
4	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	38
5	2-Cyclopentene-1-carboxylic acid...	182	C11H18O2	029915-95-5	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

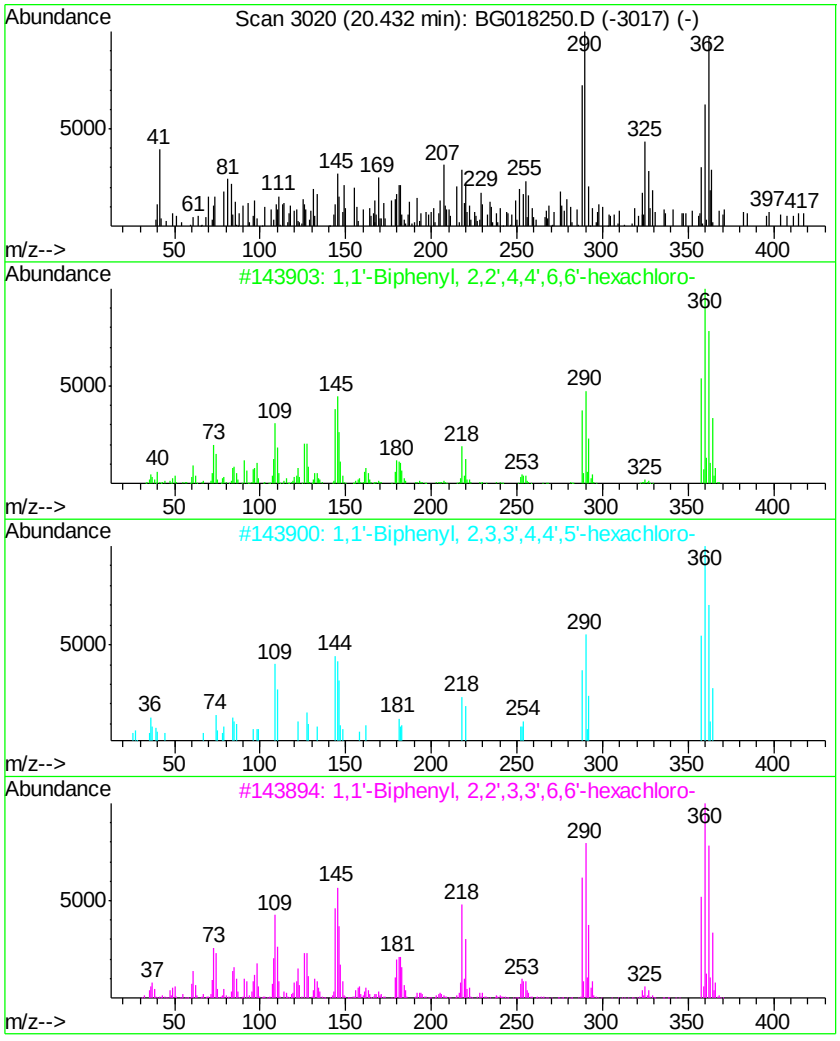
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

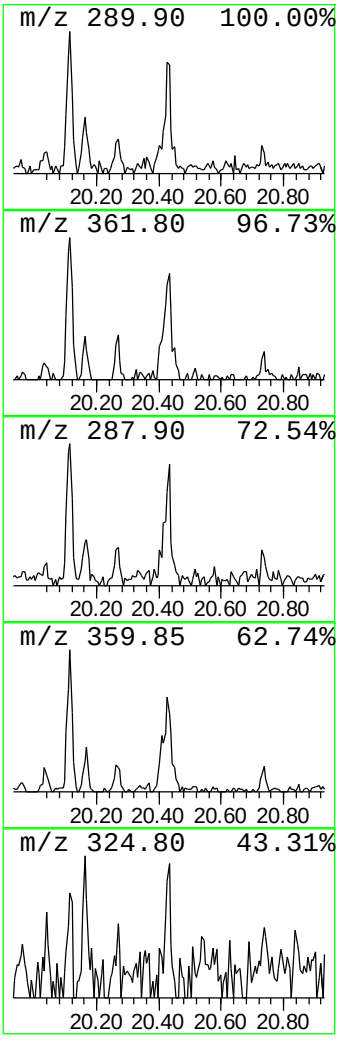
****

Peak Number 30 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.62 ng/ul	60027	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	90
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	90
3	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	89
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	89
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	89





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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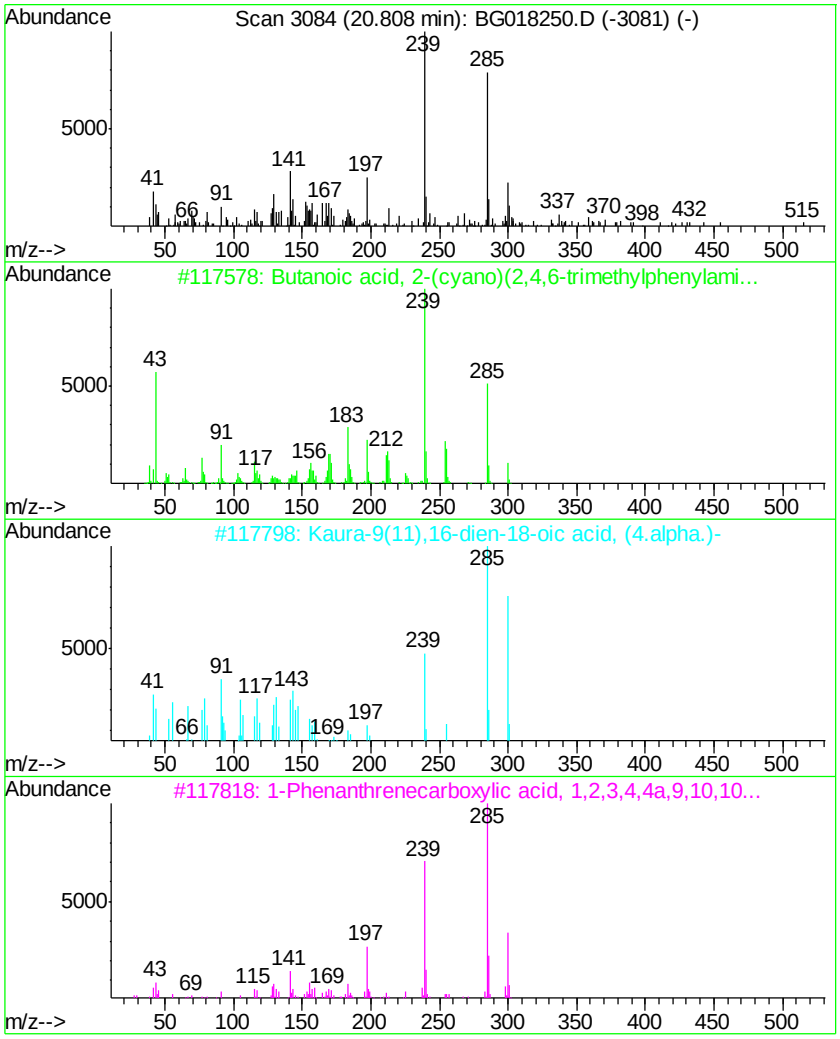
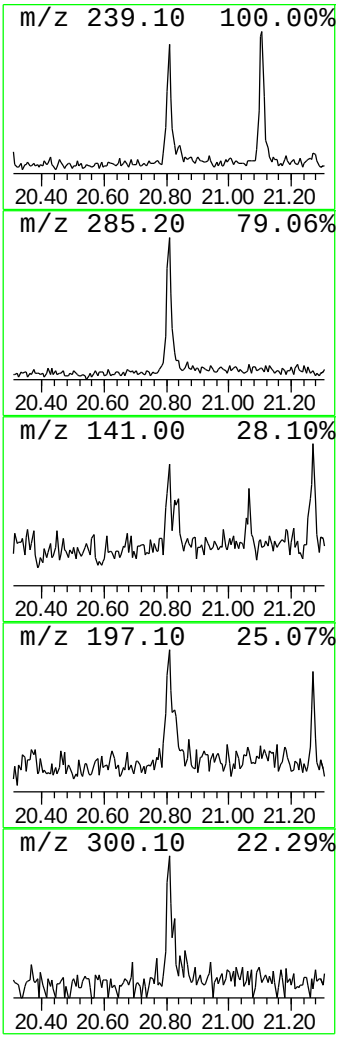
Peak Number 31 Butanoic acid, 2-(cyano)(2,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.65 ng/ul	60666	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	87
2	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	86
3	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	76
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	76
5	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	70





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Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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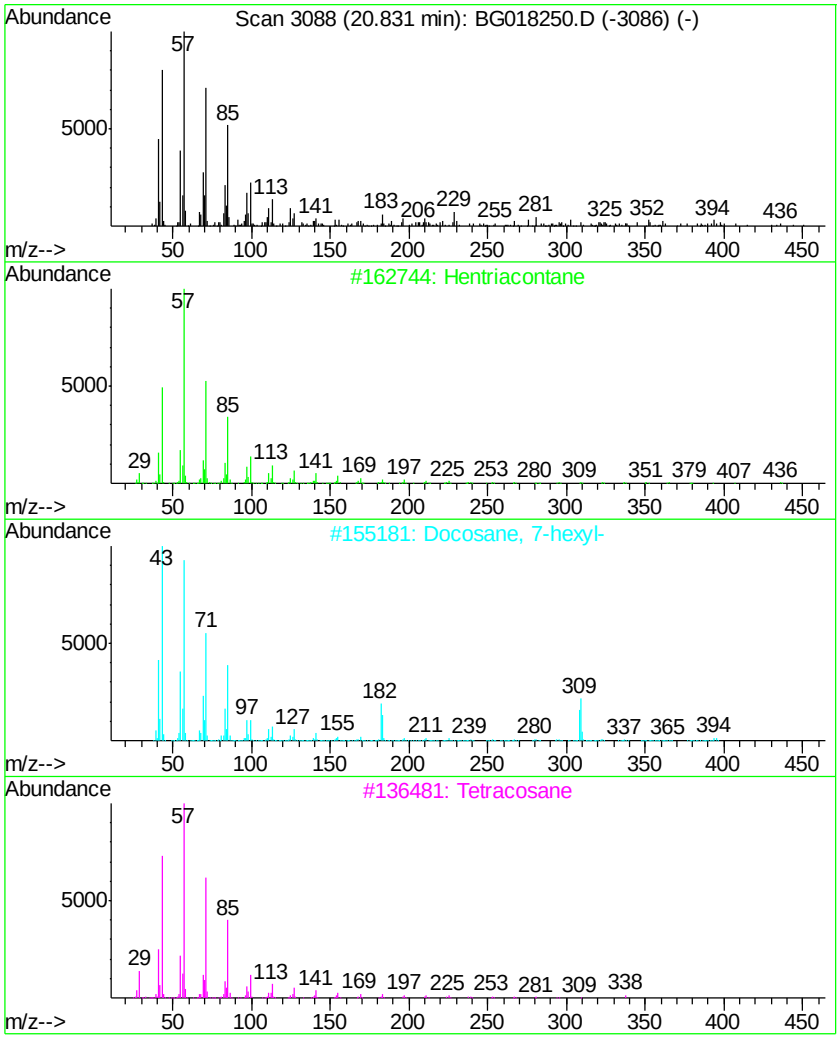
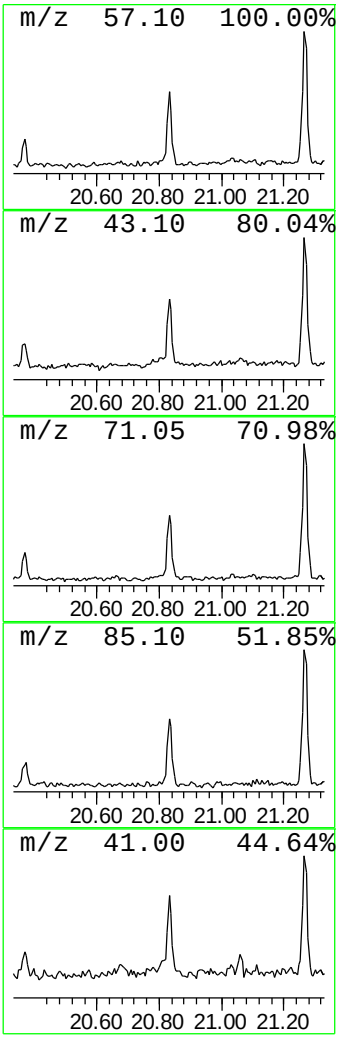
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	9.89 ng/ul	226626	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	90
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Octacosane	394	C28H58	000630-02-4	81
5	Pentacosane	352	C25H52	000629-99-2	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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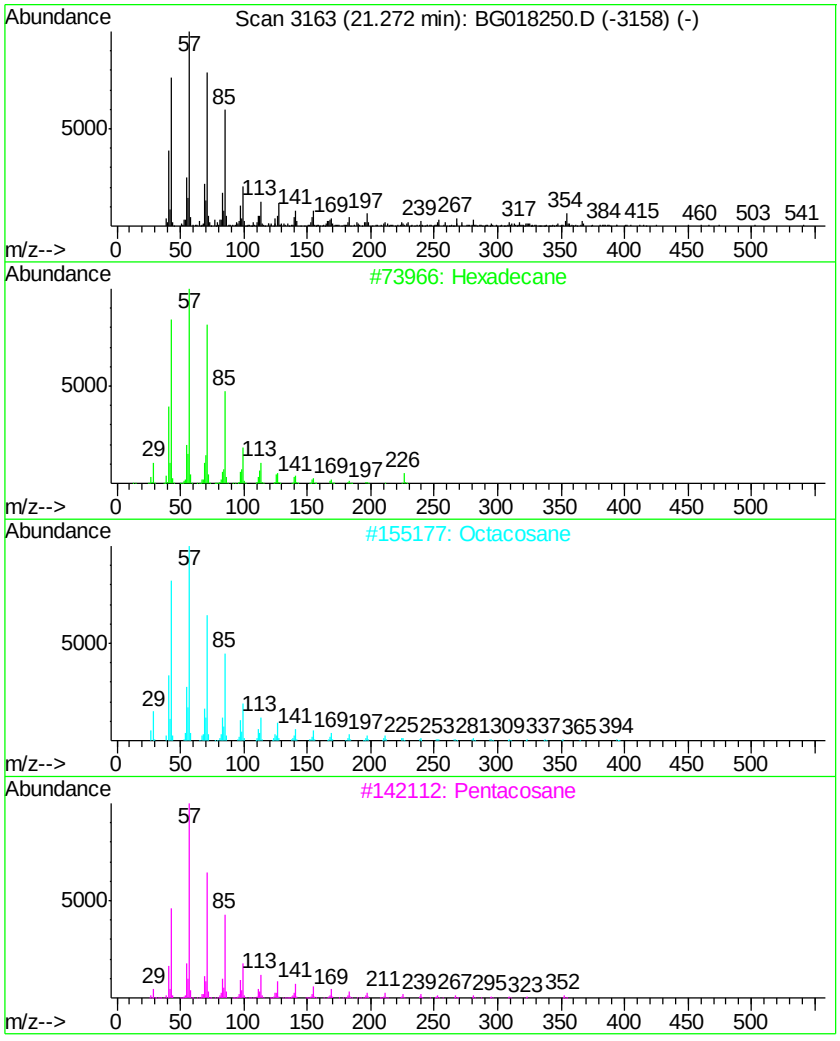
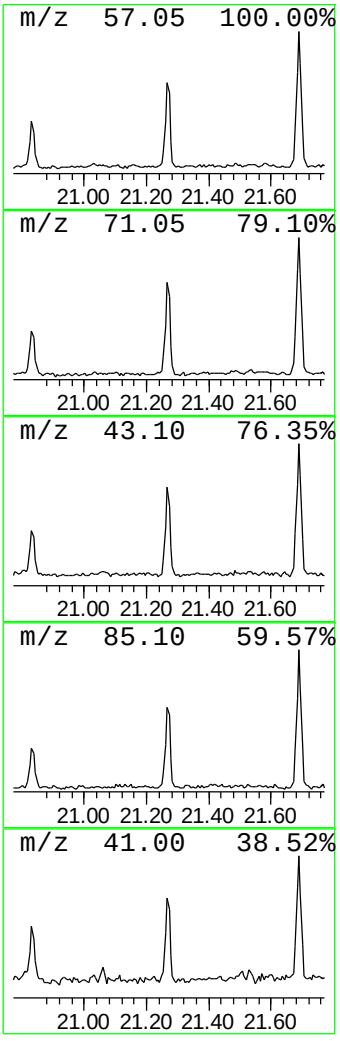
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	14.92 ng/ul	341728	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Octacosane	394	C28H58	000630-02-4	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Tetratriacontane	479	C34H70	014167-59-0	90
5	Heptacosane	380	C27H56	000593-49-7	90





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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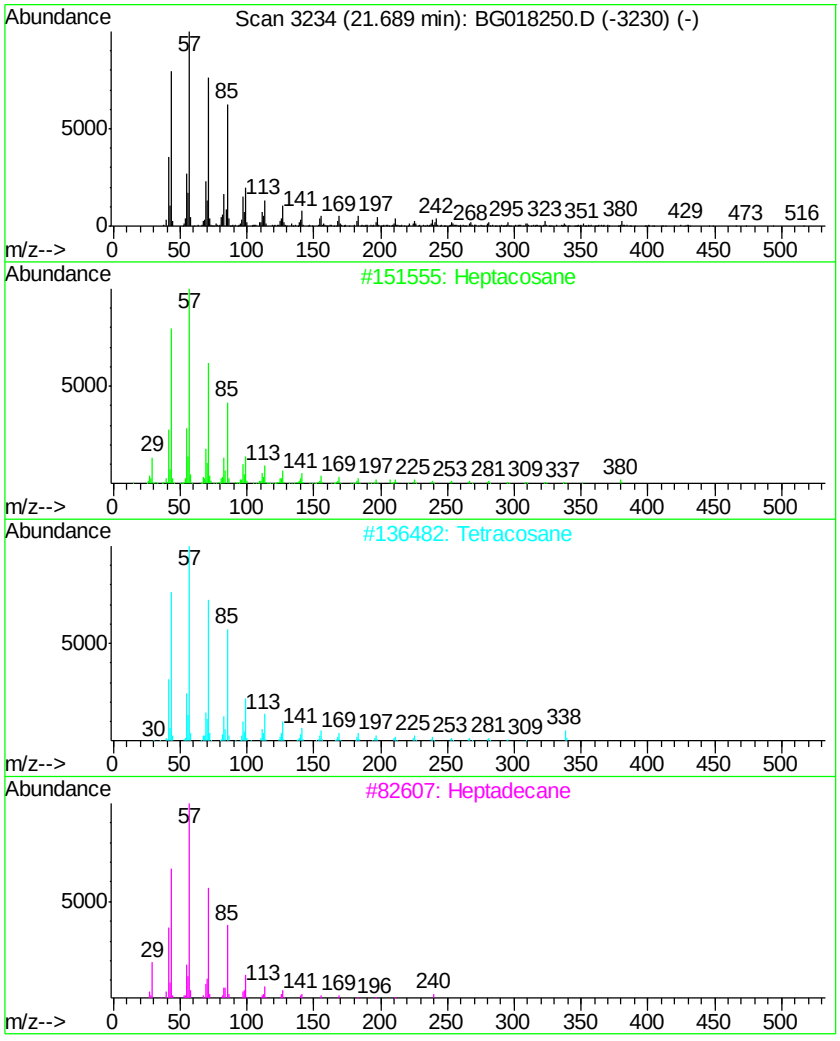
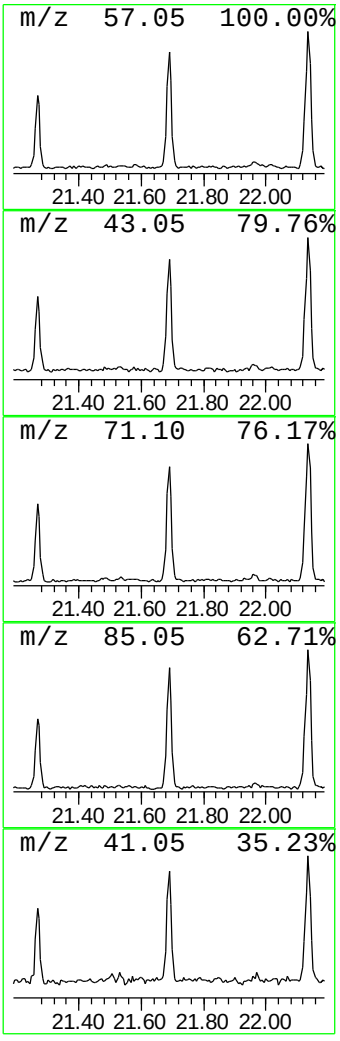
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	23.87 ng/ul	546800	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	99
2	Tetracosane	338	C24H50	000646-31-1	97
3	Heptadecane	240	C17H36	000629-78-7	96
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	96
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	93





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Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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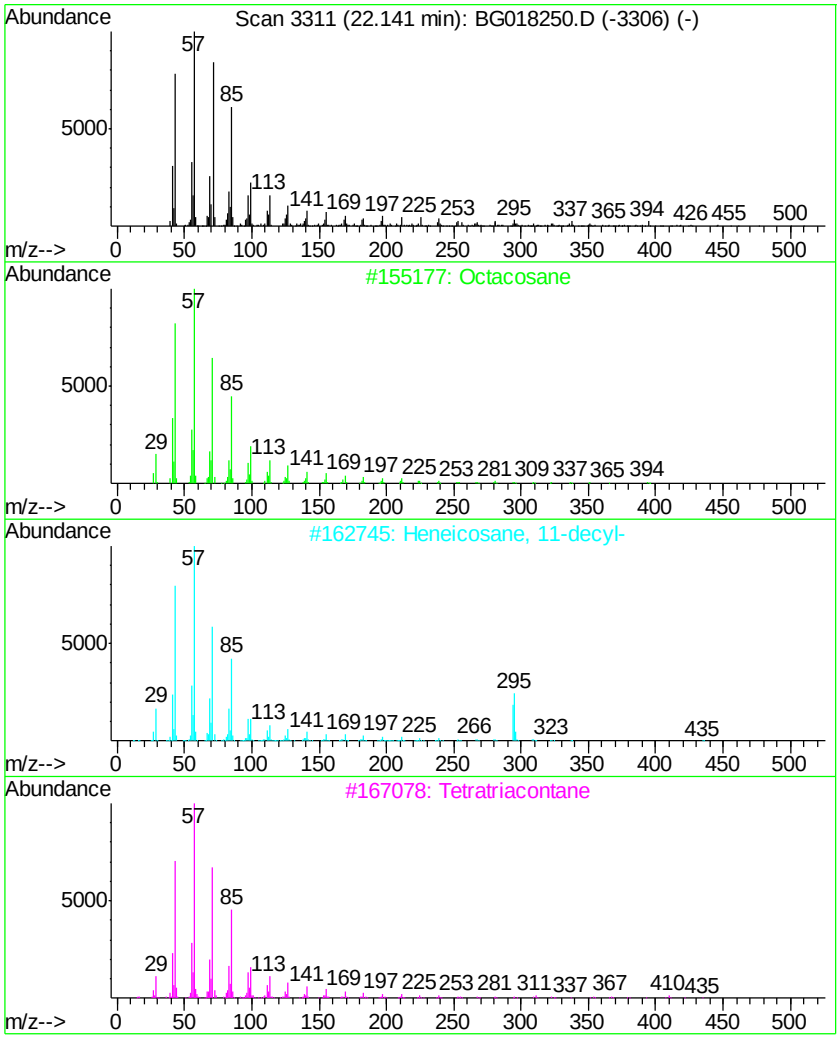
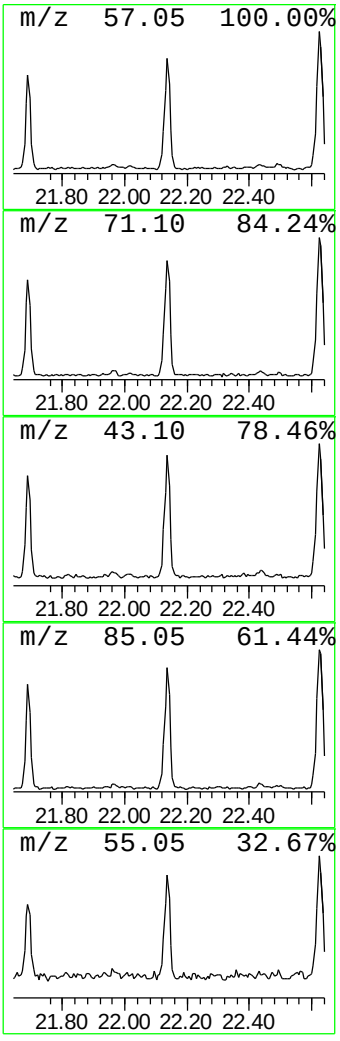
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	30.55 ng/ul	699669	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	99
2	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Tetratetracontane	619	C44H90	007098-22-8	90
5	Triacontane	422	C30H62	000638-68-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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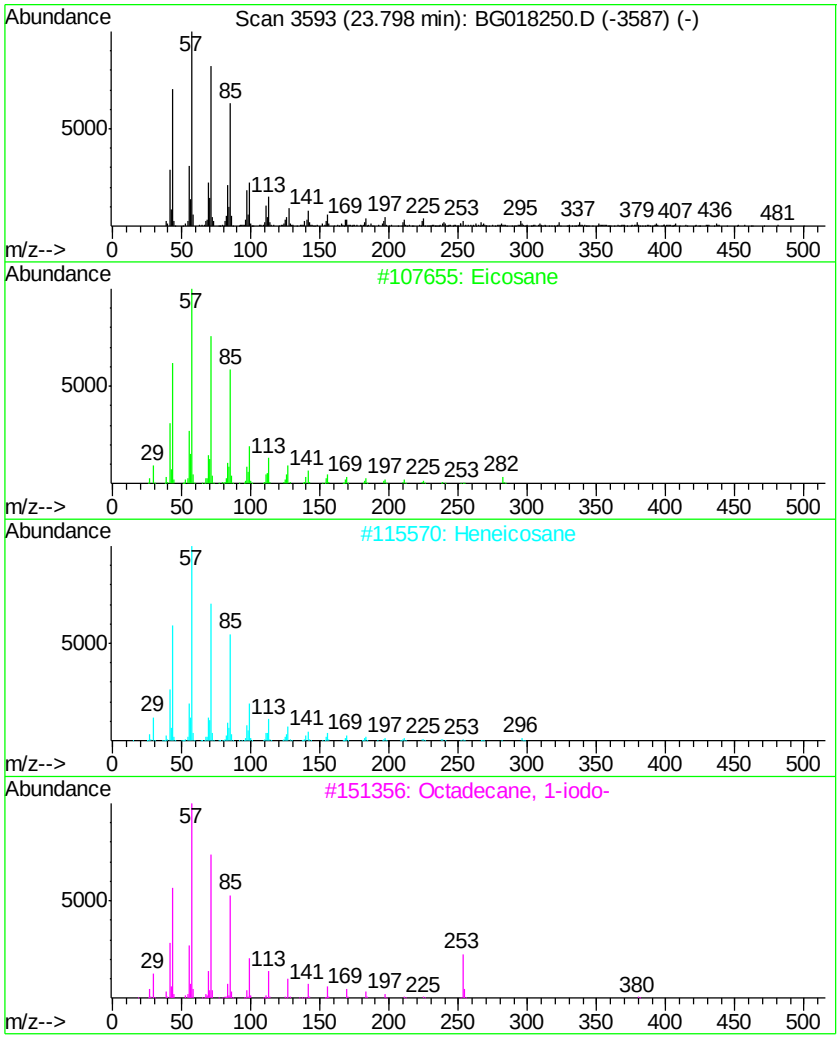
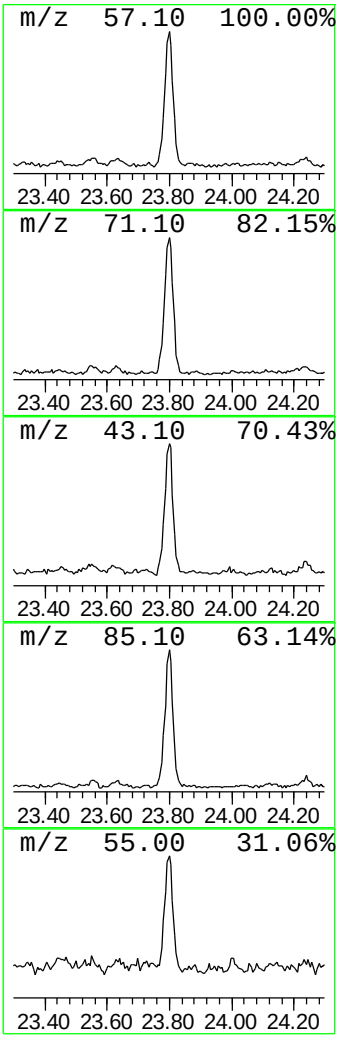
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	62.22 ng/ul	825810	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heneicosane	296	C21H44	000629-94-7	95
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	93
4	Tetracosane	338	C24H50	000646-31-1	93
5	Heptadecane	240	C17H36	000629-78-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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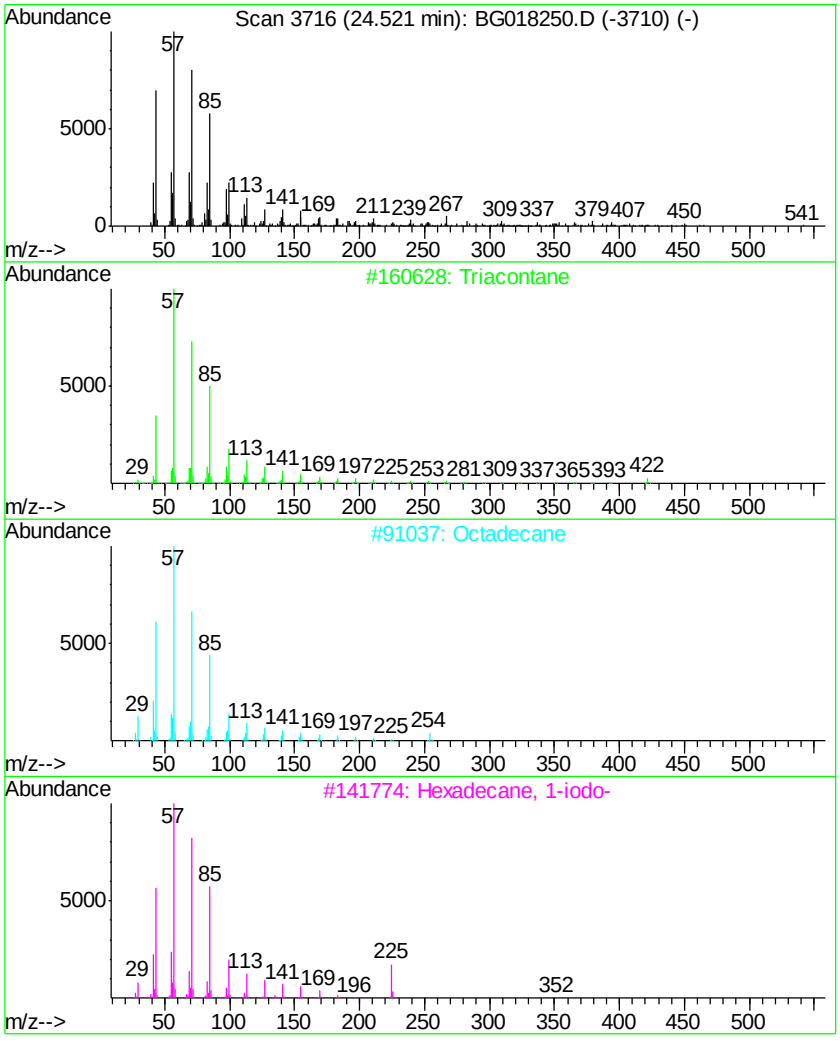
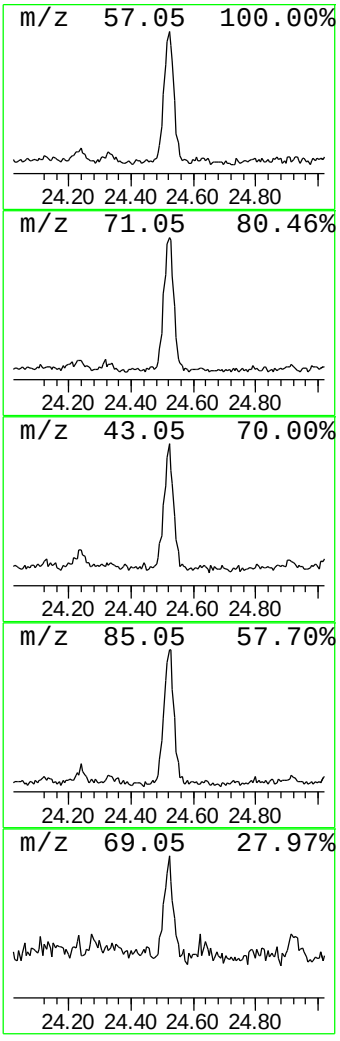
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.52	45.62 ng/ul	605470	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	97
2	Octadecane	254	C18H38	000593-45-3	96
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	96
4	Tetracosane	338	C24H50	000646-31-1	95
5	Eicosane	282	C20H42	000112-95-8	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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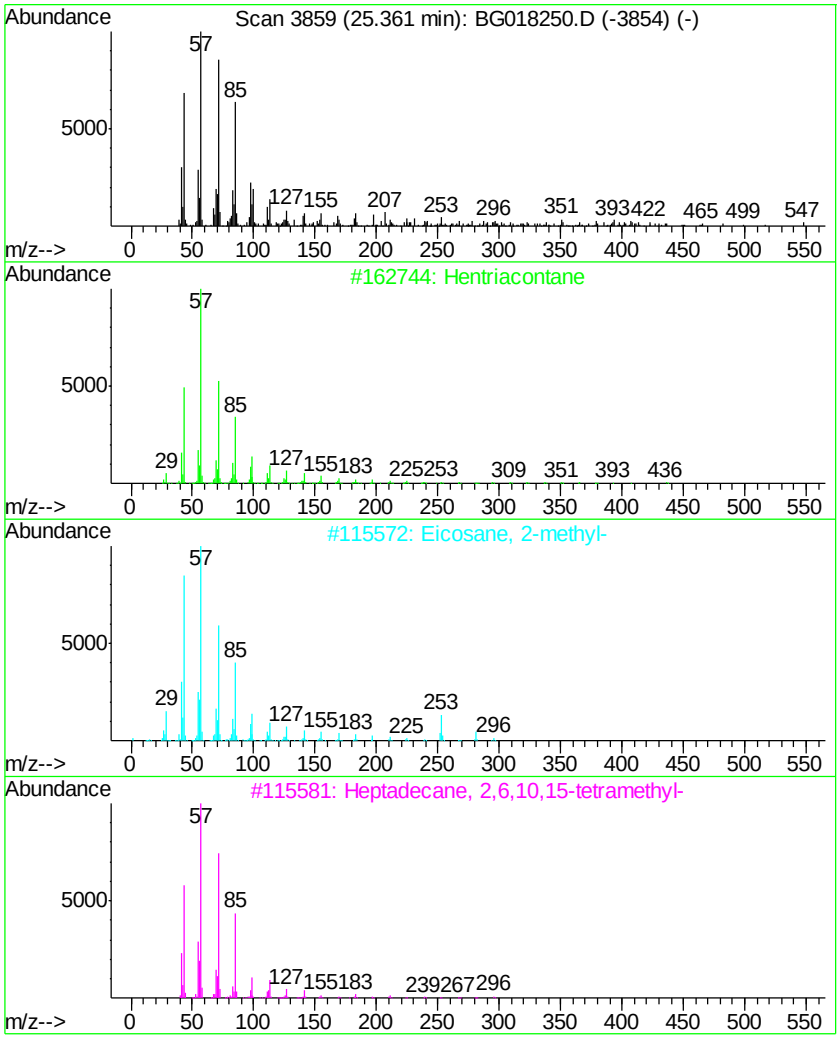
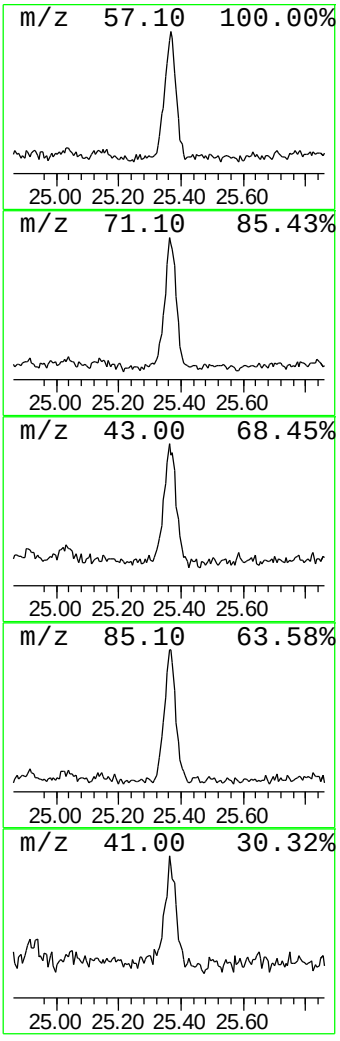
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.36	34.83 ng/ul	462369	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	93
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane	240	C17H36	000629-78-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080315\
Data File : BG018250.D
Acq On : 3 Aug 2015 19:44
Operator : UM/TP
Sample : G3109-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.46	2.8	ng/ul	30149	1	7.46	215711	20.0
Naphthalene, 2,3-...	13.45	3.3	ng/ul	80245	3	14.14	481053	20.0
Naphthalene, 1,4,...	14.54	2.3	ng/ul	54210	3	14.14	481053	20.0
Naphthalene, 2,3,...	14.62	2.1	ng/ul	51080	3	14.14	481053	20.0
Naphthalene, 1,4,...	14.76	2.4	ng/ul	57964	3	14.14	481053	20.0
Naphthalene, 1,6,...	14.93	2.2	ng/ul	52508	3	14.14	481053	20.0
(DEL) Alkane: Str...	15.41	2.3	ng/ul	56024	3	14.14	481053	20.0
(DEL) Alkane: Str...	15.88	2.6	ng/ul	62025	4	16.89	477745	20.0
unknown-02	16.72	3.7	ng/ul	87487	4	16.89	477745	20.0
unknown-03	17.08	2.6	ng/ul	62816	4	16.89	477745	20.0
Anthracene, 1-met...	17.76	2.1	ng/ul	49683	4	16.89	477745	20.0
n-Hexadecanoic acid	17.82	10.7	ng/ul	255848	4	16.89	477745	20.0
unknown-04	17.97	7.0	ng/ul	167096	4	16.89	477745	20.0
18-Norabietane	18.01	13.1	ng/ul	313525	4	16.89	477745	20.0
unknown-05	18.19	133.0	ng/ul	3178040	4	16.89	477745	20.0
unknown-06	18.38	119.1	ng/ul	2844510	4	16.89	477745	20.0
4b,8-Dimethyl-2-i...	18.53	191.6	ng/ul	4577460	4	16.89	477745	20.0
10,18-Bisnorabiet...	18.66	54.6	ng/ul	1305200	4	16.89	477745	20.0
unknown-07	18.76	4.3	ng/ul	101803	4	16.89	477745	20.0
1,1'-Biphenyl, 2,...	18.83	3.2	ng/ul	75542	4	16.89	477745	20.0
10,18-Bisnorabiet...	19.04	218.8	ng/ul	5012550	5	21.10	458081	20.0
1,1'-Biphenyl, 2,...	19.12	7.1	ng/ul	162257	5	21.10	458081	20.0
unknown-08	19.52	3.7	ng/ul	85224	5	21.10	458081	20.0
1,1'-Biphenyl, 2,...	19.57	5.8	ng/ul	133208	5	21.10	458081	20.0
unknown-09	19.69	2.6	ng/ul	58948	5	21.10	458081	20.0
1,1'-Biphenyl, 2,...	19.83	8.9	ng/ul	204506	5	21.10	458081	20.0
unknown-10	19.97	2.5	ng/ul	56738	5	21.10	458081	20.0
unknown-11	20.16	5.2	ng/ul	118420	5	21.10	458081	20.0
1,1'-Biphenyl, 2,...	20.43	2.6	ng/ul	60027	5	21.10	458081	20.0
Butanoic acid, 2-...	20.81	2.6	ng/ul	60666	5	21.10	458081	20.0
(DEL) Alkane: Str...	20.83	9.9	ng/ul	226626	5	21.10	458081	20.0
(DEL) Alkane: Str...	21.27	14.9	ng/ul	341728	5	21.10	458081	20.0
(DEL) Alkane: Str...	21.69	23.9	ng/ul	546800	5	21.10	458081	20.0
(DEL) Alkane: Str...	22.14	30.6	ng/ul	699669	5	21.10	458081	20.0
(DEL) Alkane: Str...	23.80	62.2	ng/ul	825810	6	23.28	265465	20.0
(DEL) Alkane: Str...	24.52	45.6	ng/ul	605470	6	23.28	265465	20.0
(DEL) Alkane: Str...	25.36	34.8	ng/ul	462369	6	23.28	265465	20.0