LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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\SOM01.2-EPA-BG033115.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	2.898	30	36	45	rBV2	91519	195092	3.07%	0.246%
2	2.981	45	50	55	rVB	139800	201660	3.18%	0.254%
3	3.980	214	220	231	rVB	291862	428940	6.75%	0.540%
4	7.769	855	865	875	rVB	317938	510284	8.03%	0.642%
5	8.468	977	984	990	rBV	87710	141422	2.23%	0.178%
6	10.178	1270	1275	1283	rVB	83105	143341	2.26%	0.180%
7	10.554	1329	1339	1343	rBV	463555	845789	13.32%	1.065%
8	10.601	1343	1347	1354	rVV	297985	508559	8.01%	0.640%
9	11.976	1572	1581	1591	rBV	149969	267862	4.22%	0.337%
10	12.217	1611	1622	1629	rVB	329193	565193	8.90%	0.711%
11	12.434	1652	1659	1669	rVB	223182	383342	6.04%	0.483%
12	12.934	1739	1744	1749	rVB2	131755	192922	3.04%	0.243%
13	13.222	1786	1793	1800	rVV2	428505	672726	10.59%	0.847%
14	13.557	1843	1850	1858	rBV2	163147	448166	7.06%	0.564%
15	13.715	1871	1877	1882	rVV	274101	511160	8.05%	0.643%
16	13.768	1882	1886	1889	rVV	203240	344309	5.42%	0.433%
17	13.803	1889	1892	1897	rVV	162181	256114	4.03%	0.322%
18	13.850	1897	1900	1902	rVV2	112598	156886	2.47%	0.197%
19	13.880	1902	1905	1909	rVV	269585	352652	5.55%	0.444%
20	13.921	1909	1912	1914	rVV	106259	141054	2.22%	0.178%
21	13.950	1914	1917	1921	rVV	129458	202189	3.18%	0.255%
22	14.091	1936	1941	1944	rBV	182680	274344	4.32%	0.345%
23	14.297	1971	1976	1981	rBV	650709	883896	13.92%	1.113%
24	14.397	1984	1993	1999	rVV3	675387	1267427	19.96%	1.595%
25	14.461	1999	2004	2011	rVV	744940	1159358	18.25%	1.459%
26	14.602	2023	2028	2037	rVB4	137913	353647	5.57%	0.445%
27	14.702	2037	2045	2048	rBV4	62981	174245	2.74%	0.219%
28	14.796	2056	2061	2067	rVB	730690	1060085	16.69%	1.334%
29	14.873	2067	2074	2077	rBV2	140154	257630	4.06%	0.324%
30	14.914	2077	2081	2089	rVB4	176833	312283	4.92%	0.393%
31	15.014	2094	2098	2102	rVV	119754	175612	2.76%	0.221%
32	15.067	2103	2107	2111	rVB	114424	148128	2.33%	0.186%
33	15.243	2133	2137	2142	rVB	864677	1094658	17.24%	1.378%
34	15.390	2158	2162	2165	rVB	185900	251960	3.97%	0.317%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

35	15.443	2165	2171	2176	rBV	855975	1243842	19.58%	1.566%
36	15.607	2195	2199	2201	rVV3	137340	191410	3.01%	0.241%
37	15.648	2202	2206	2211	rVV	444533	726457	11.44%	0.914%
38	15.736	2217	2221	2228	rVB2	250179	419570	6.61%	0.528%
39	15.801	2228	2232	2238	rBV5	106849	215372	3.39%	0.271%
40	15.883	2238	2246	2253	rVV4	205236	602066	9.48%	0.758%
41	15.948	2254	2257	2268	rVB6	71762	207976	3.27%	0.262%
42	16.107	2279	2284	2287	rBV	1125894	1717975	27.05%	2.163%
43	16.447	2338	2342	2346	rVB2	156187	205622	3.24%	0.259%
44	16.712	2384	2387	2390	rVB	126754	146040	2.30%	0.184%
45	16.794	2397	2401	2407	rVB	174544	260932	4.11%	0.328%
46	16.894	2414	2418	2422	rVB	795252	930546	14.65%	1.171%
47	16.953	2423	2428	2437	rVB2	541359	970006	15.27%	1.221%
48	17.141	2455	2460	2463	rBV	740891	1093843	17.22%	1.377%
49	17.188	2463	2468	2473	rVV	3960912	5833698	91.85%	7.344%
50	17.240	2473	2477	2479	rVV2	309020	502019	7.90%	0.632%
51	17.270	2479	2482	2487	rVV	1287228	1721689	27.11%	2.167%
52	17.323	2487	2491	2496	rVV3	121322	210681	3.32%	0.265%
53	17.540	2518	2528	2539	rBV2	472174	891879	14.04%	1.123%
54	17.628	2539	2543	2552	rVV2	619594	850109	13.38%	1.070%
55	17.716	2554	2558	2566	rVB6	113339	217400	3.42%	0.274%
56	18.010	2604	2608	2612	rBV	363378	495261	7.80%	0.623%
57	18.057	2612	2616	2623	rVB	640480	933564	14.70%	1.175%
58	18.139	2625	2630	2635	rBV	297241	431656	6.80%	0.543%
59	18.210	2636	2642	2646	rBV3	682754	1230205	19.37%	1.549%
60	18.322	2657	2661	2665	rBV	404356	496749	7.82%	0.625%
61	18.510	2689	2693	2697	rBV	294497	386720	6.09%	0.487%
62	18.557	2697	2701	2708	rVB2	150018	229654	3.62%	0.289%
63	18.933	2760	2765	2767	rBV	186374	307193	4.84%	0.387%
64	18.956	2767	2769	2773	rVB	213446	220777	3.48%	0.278%
65	19.074	2785	2789	2795	rBV	178126	274680	4.32%	0.346%
66	19.203	2804	2811	2816	rBV	4317971	6351321	100.00%	7.995%
67	19.291	2823	2826	2830	rVB2	124247	152950	2.41%	0.193%
68	19.438	2848	2851	2855	rVB	113140	153583	2.42%	0.193%
69	19.532	2861	2867	2869	rBV2	1263430	1981222	31.19%	2.494%
70	19.561	2869	2872	2880	rVV	3540325	5014644	78.95%	6.313%
71	19.632	2880	2884	2890	rVB2	206169	329565	5.19%	0.415%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

72	19.732	2898	2901	2907	rVB	233316	323770	5.10%	0.408%
73	19.796	2908	2912	2917	rVB	264539	367046	5.78%	0.462%
74	19.879	2921	2926	2932	rBV3	233330	569697	8.97%	0.717%
75	20.049	2951	2955	2961	rVB2	706002	1069918	16.85%	1.347%
76	20.149	2968	2972	2976	rBV	609182	800726	12.61%	1.008%
77	20.208	2976	2982	2986	rVB2	322024	527853	8.31%	0.664%
78	20.349	3003	3006	3009	rBV2	143995	171824	2.71%	0.216%
79	20.396	3010	3014	3017	rBV3	146658	196943	3.10%	0.248%
80	20.560	3039	3042	3046	rBV2	135677	141829	2.23%	0.179%
81	20.795	3079	3082	3089	rVB	205657	299686	4.72%	0.377%
82	20.960	3107	3110	3113	rBV	180238	200448	3.16%	0.252%
83	21.001	3113	3117	3119	rBV	269330	335506	5.28%	0.422%
84	21.089	3129	3132	3140	rVB2	201245	312476	4.92%	0.393%
85	21.300	3159	3168	3173	rBV3	2724246	4856979	76.47%	6.114%
86	21.353	3173	3177	3185	rVB	1922299	2536261	39.93%	3.193%
87	21.465	3192	3196	3202	rVB2	507254	698550	11.00%	0.879%
88	21.624	3219	3223	3228	rVB2	266009	419702	6.61%	0.528%
89	21.864	3261	3264	3267	rVB	234534	263693	4.15%	0.332%
90	22.023	3288	3291	3295	rVB2	141742	182048	2.87%	0.229%
91	22.099	3301	3304	3310	rVB3	255343	352904	5.56%	0.444%
92	22.164	3311	3315	3321	rVB3	171630	287212	4.52%	0.362%
93	22.364	3346	3349	3352	rBV2	155272	186714	2.94%	0.235%
94	22.910	3434	3442	3447	rBV	1343986	3412839	53.73%	4.296%
95	23.081	3467	3471	3477	rVB	364424	568939	8.96%	0.716%
96	23.398	3520	3525	3531	rBV	709343	1303497	20.52%	1.641%
97	23.498	3537	3542	3549	rVB	1367391	2453582	38.63%	3.089%
98	23.598	3554	3559	3563	rVV	541352	1077327	16.96%	1.356%
99	23.645	3564	3567	3575	rVB2	431598	809507	12.75%	1.019%
100	25.930	3949	3956	3968	rVB	561599	1678739	26.43%	2.113%

Sum of corrected areas: 79438026

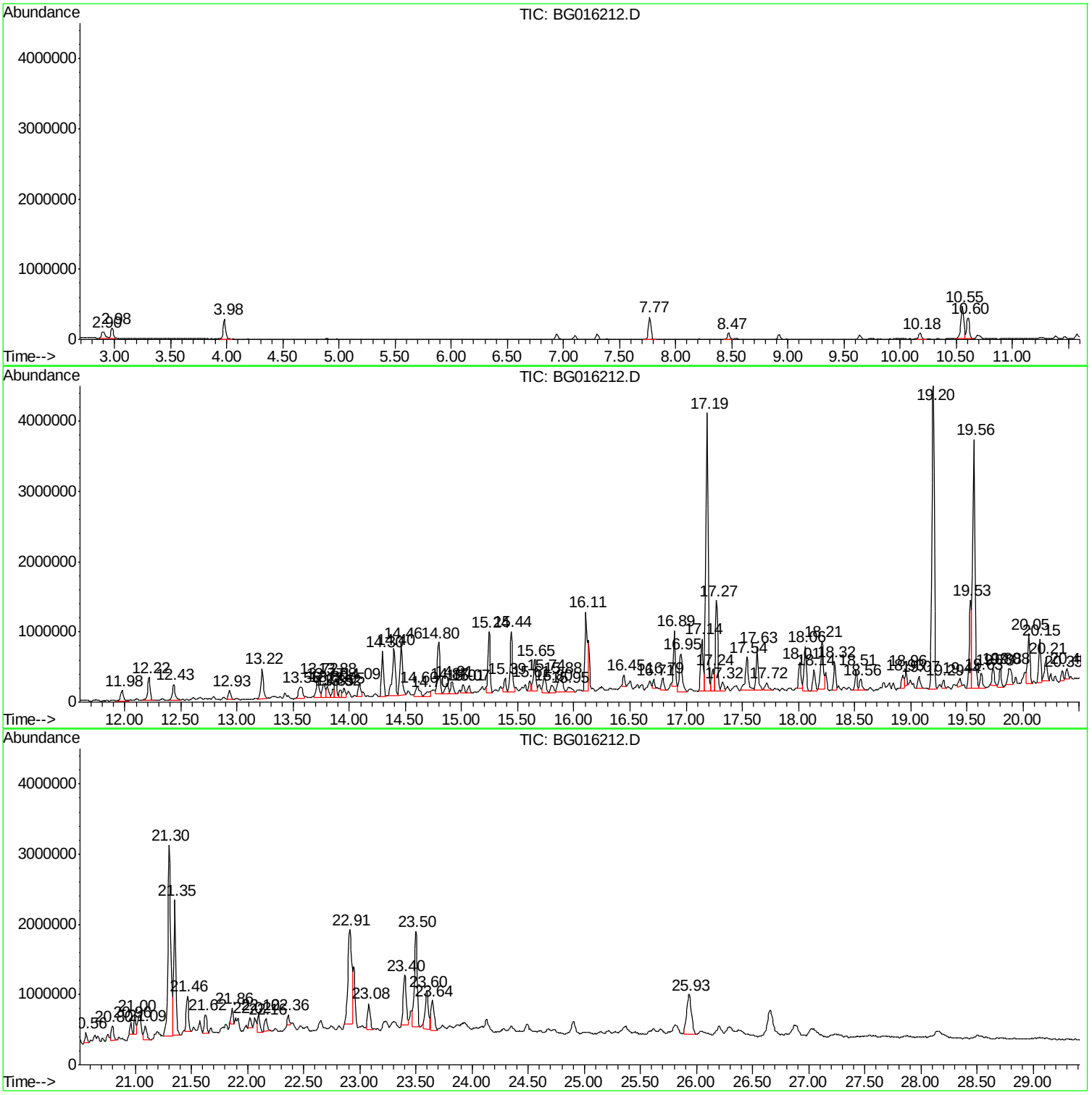
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

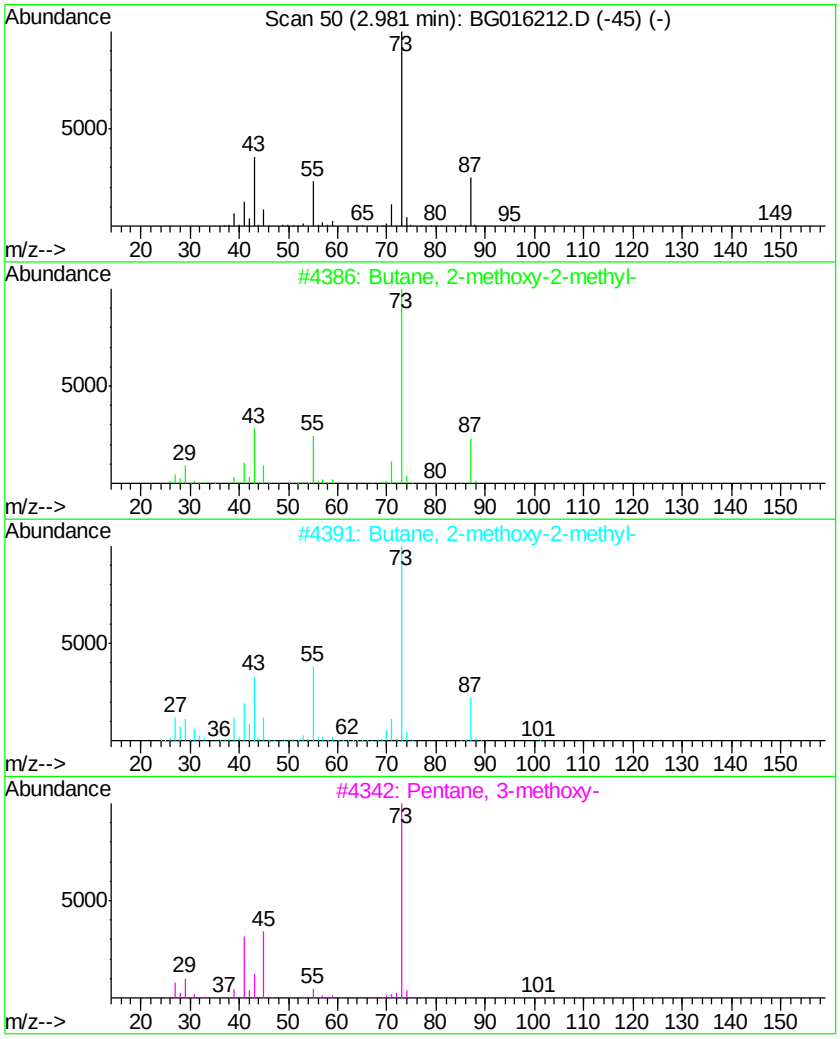
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

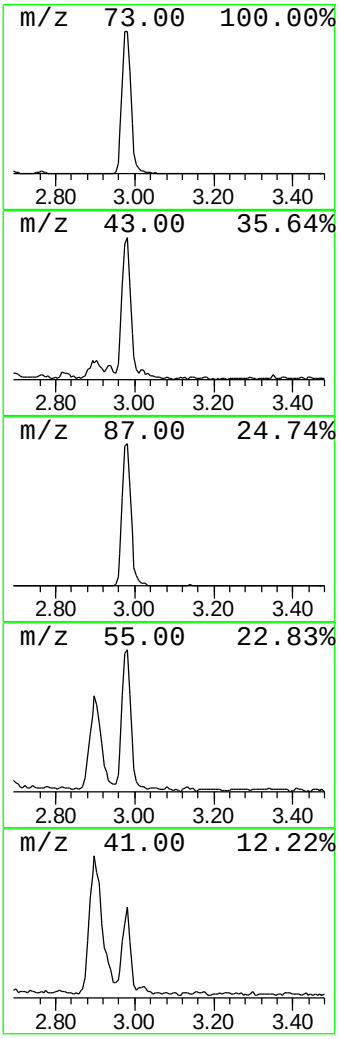
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	7.90 ng/ul	201660	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

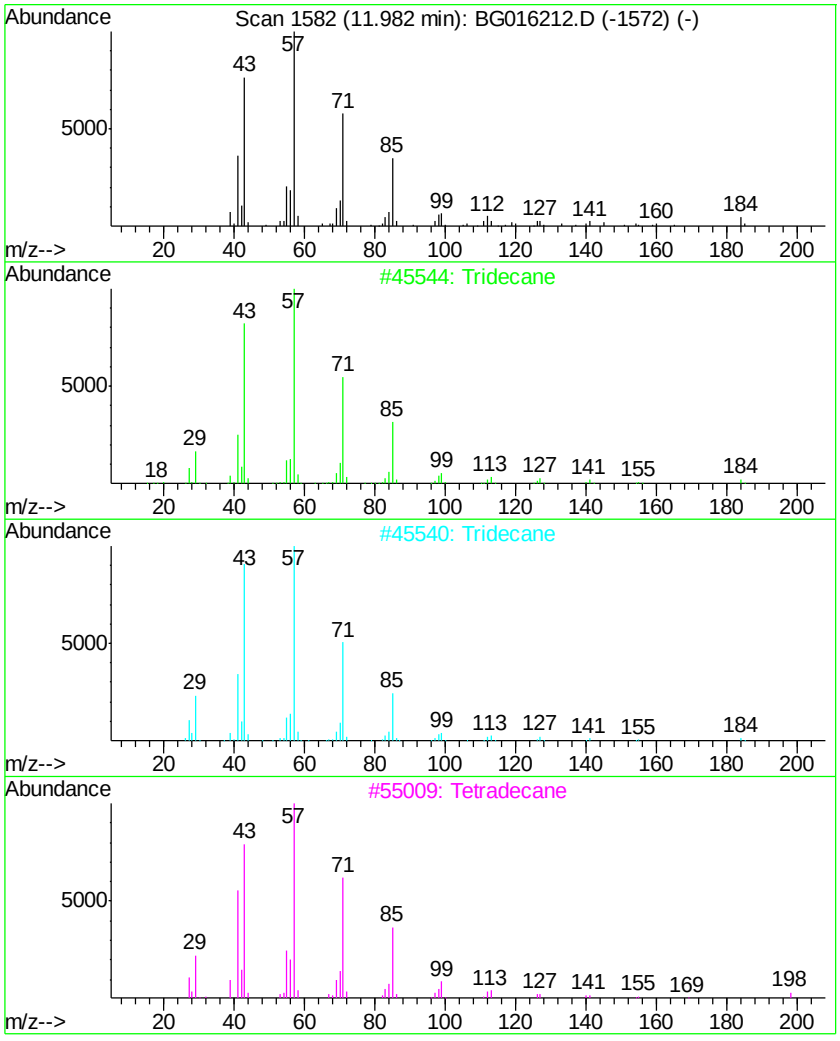
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

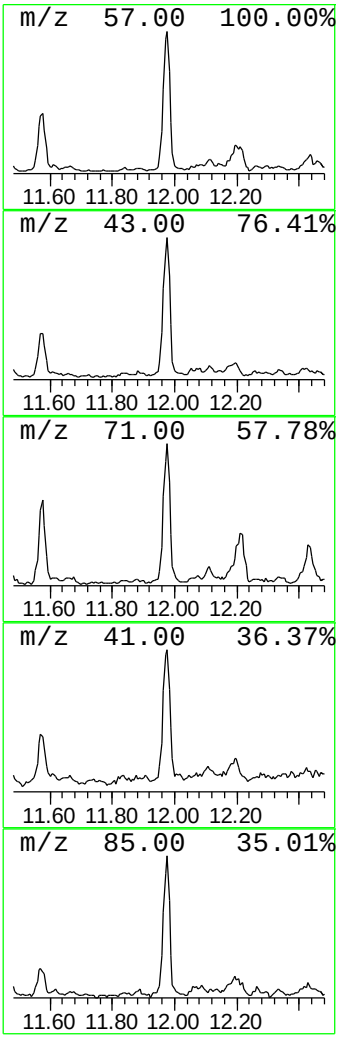
****

Peak Number 4 (DEL) Alkane: Straight-Chain Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.33 ng/ul	267862	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane	184	C13H28	000629-50-5	93
3	Tetradecane	198	C14H30	000629-59-4	91
4	Tetradecane	198	C14H30	000629-59-4	90
5	Dodecane	170	C12H26	000112-40-3	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

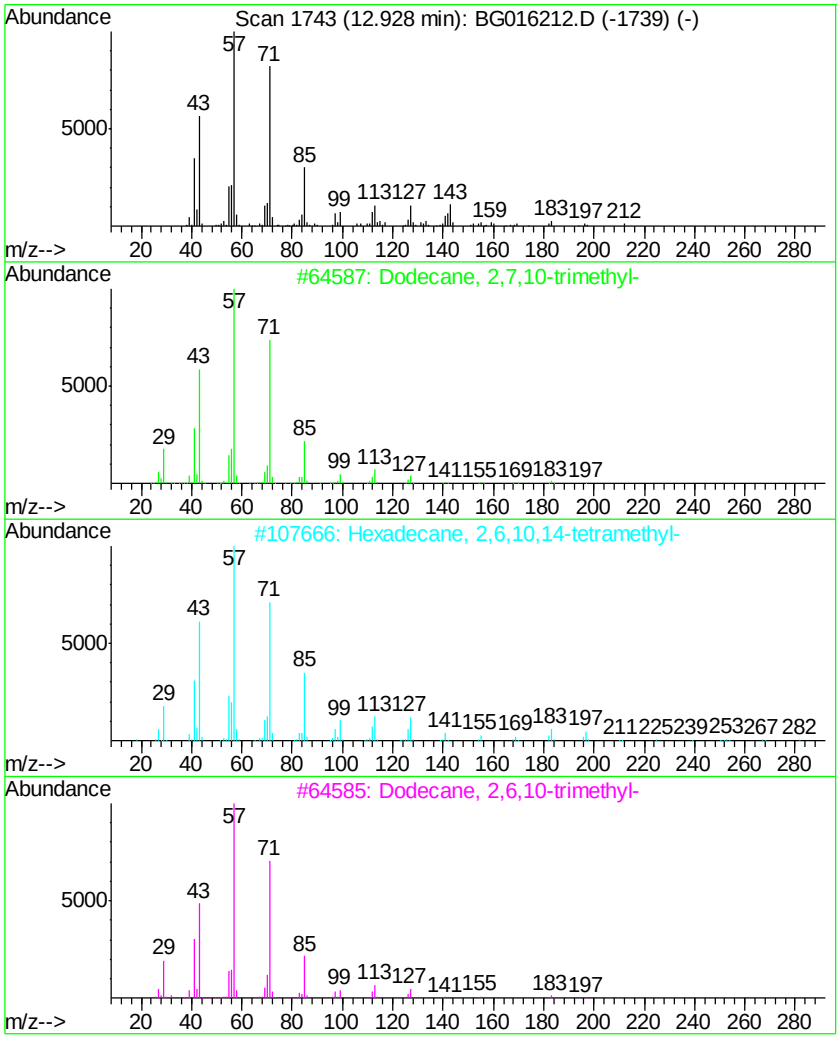
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

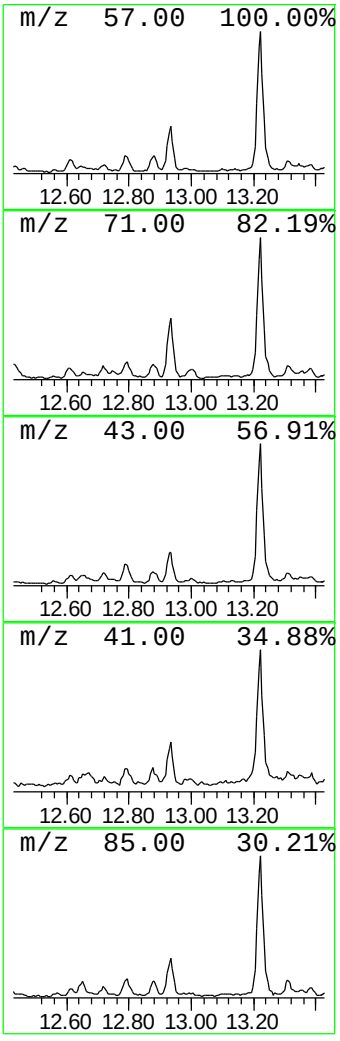
****

Peak Number 6 (DEL) Alkane: Straight-Chain Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	3.04 ng/ul	192922	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	68
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

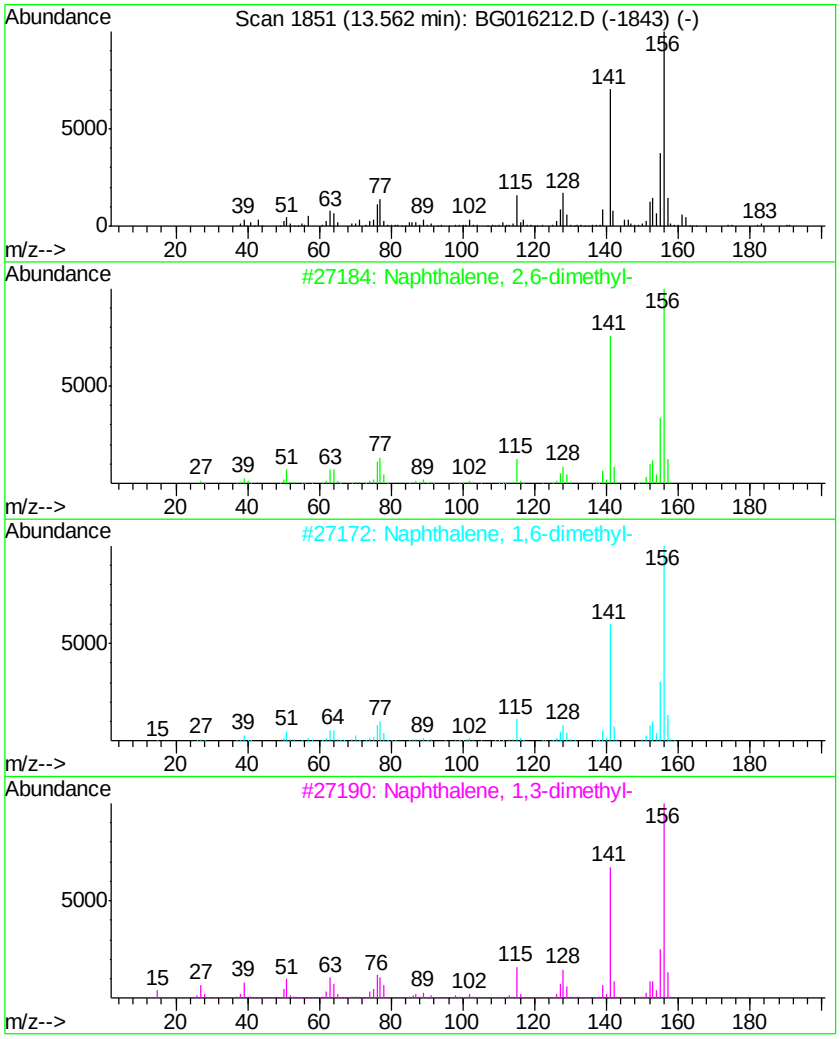
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

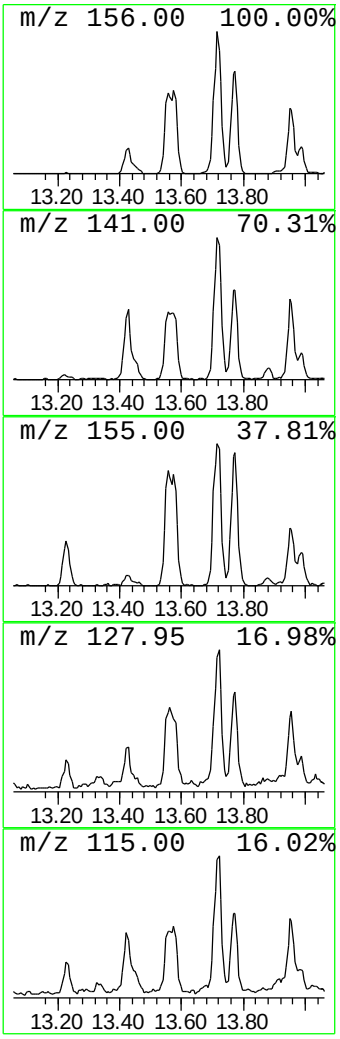
****

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	7.07 ng/ul	448166	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

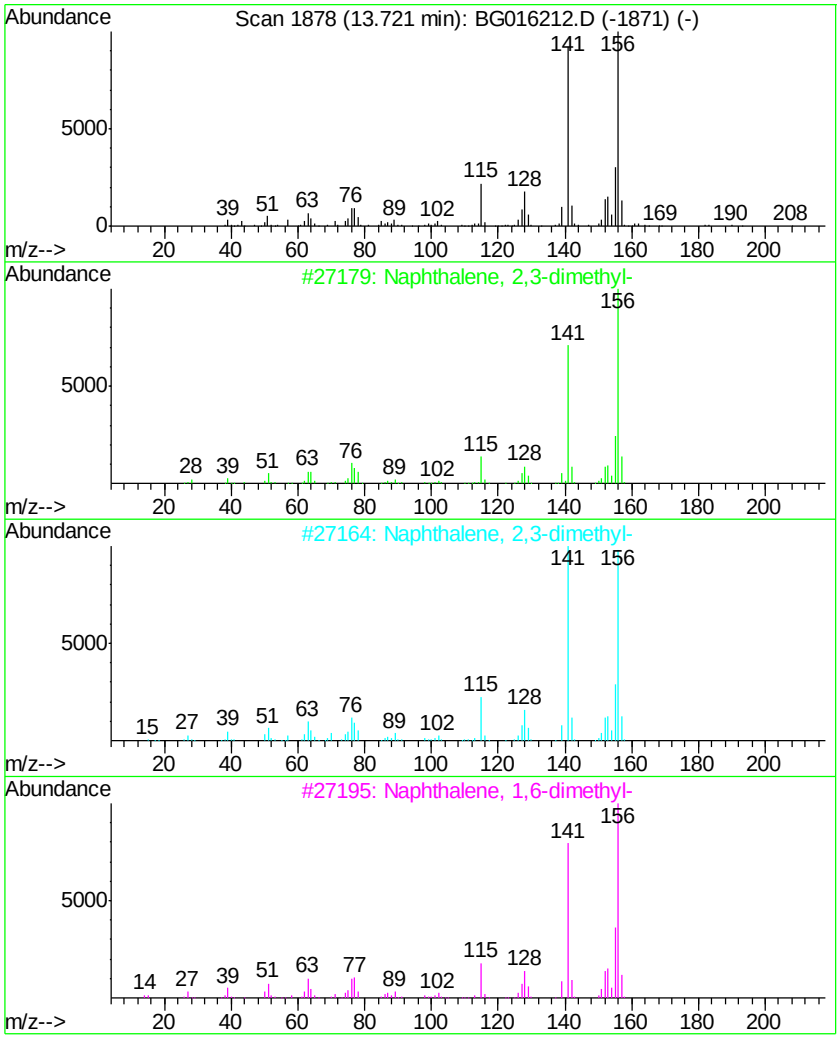
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

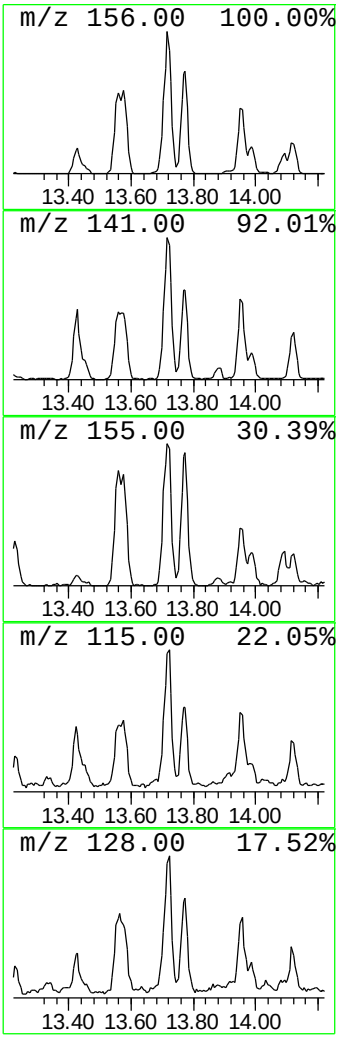
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	8.07 ng/ul	511160	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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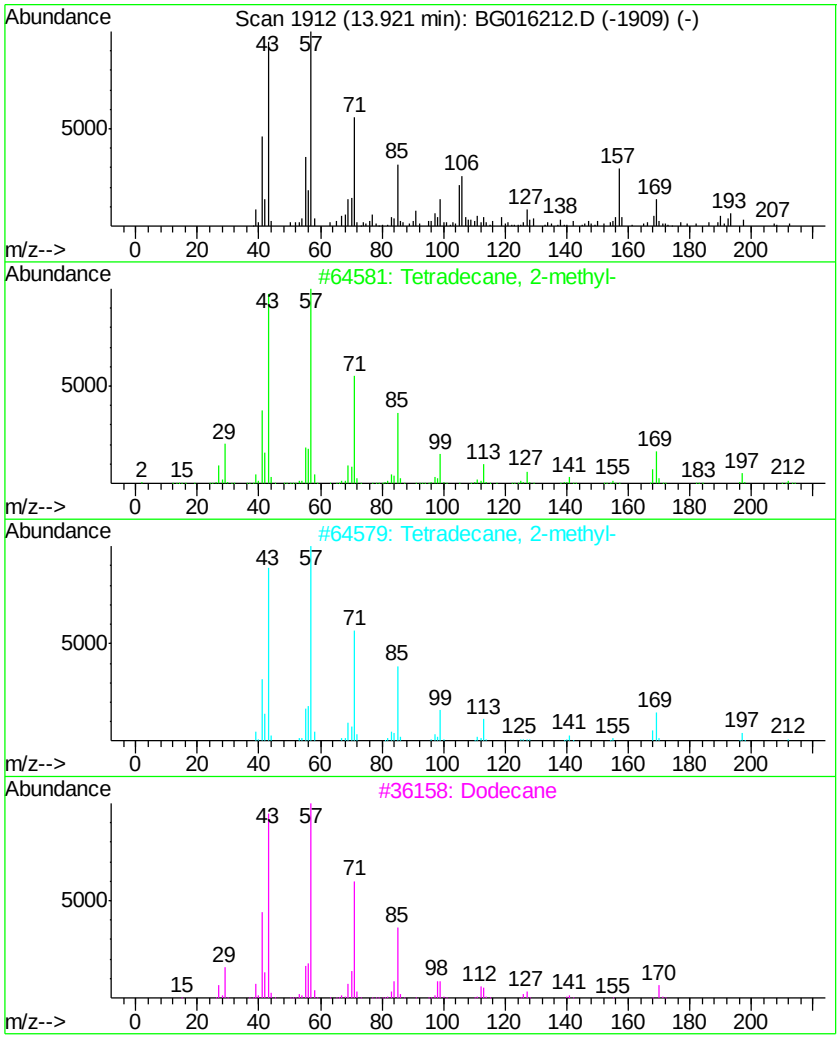
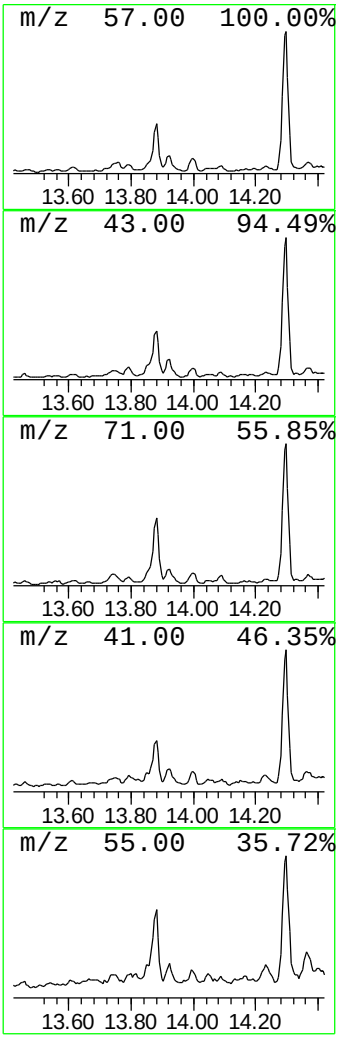
Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.23 ng/ul	141054	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	87
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	70
3	Dodecane	170	C12H26	000112-40-3	50
4	Undecane	156	C11H24	001120-21-4	50
5	Undecane	156	C11H24	001120-21-4	46





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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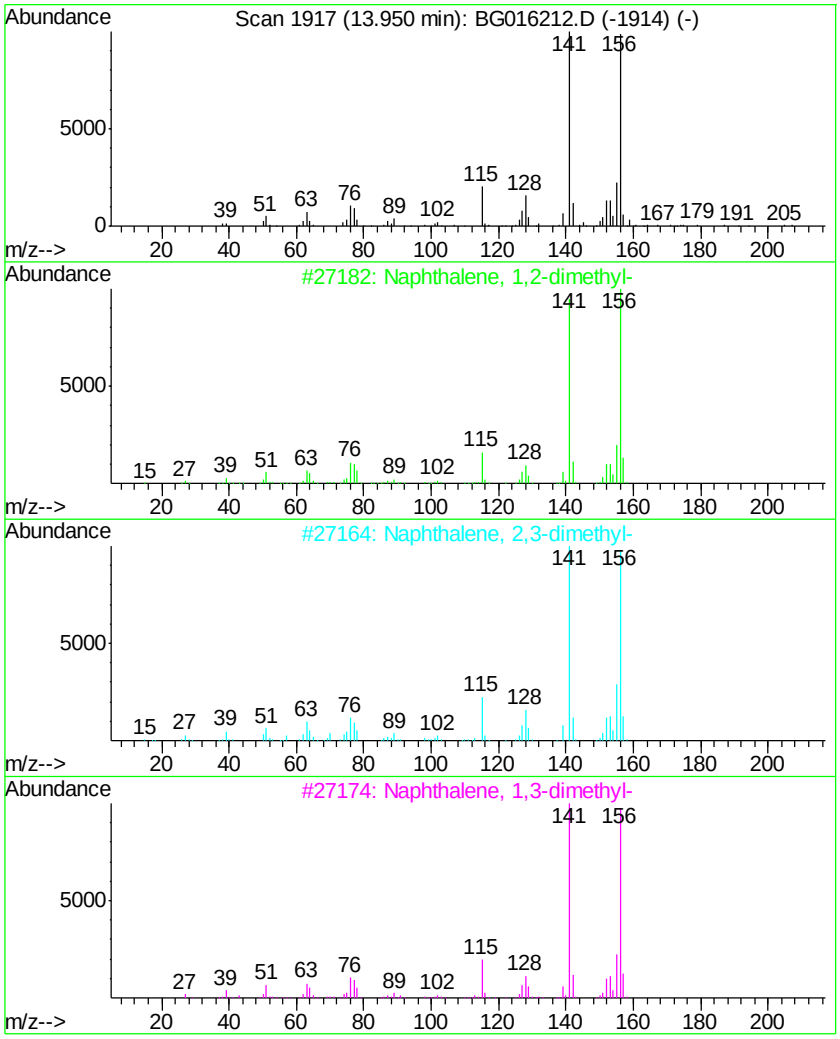
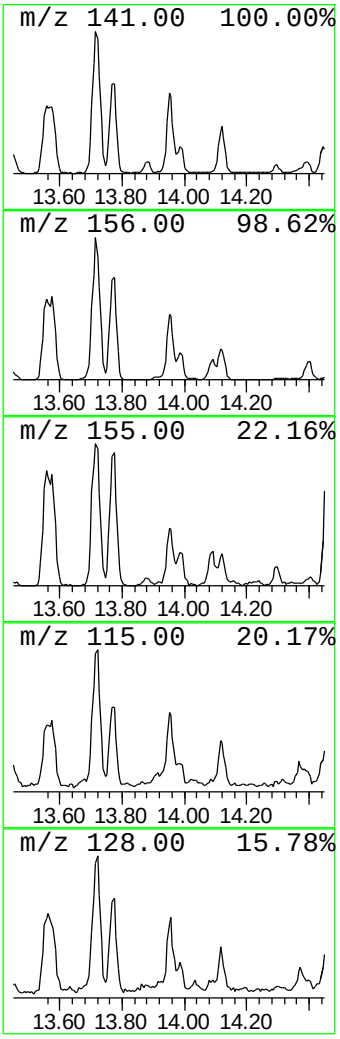
Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.19 ng/ul	202189	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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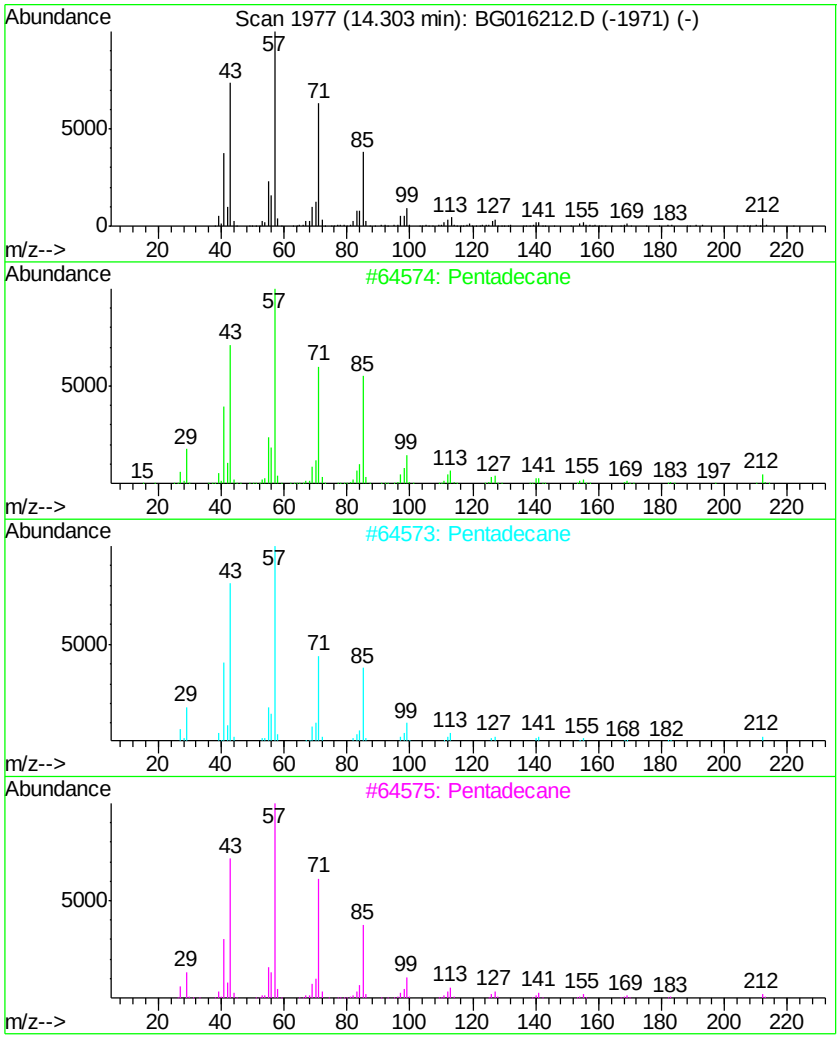
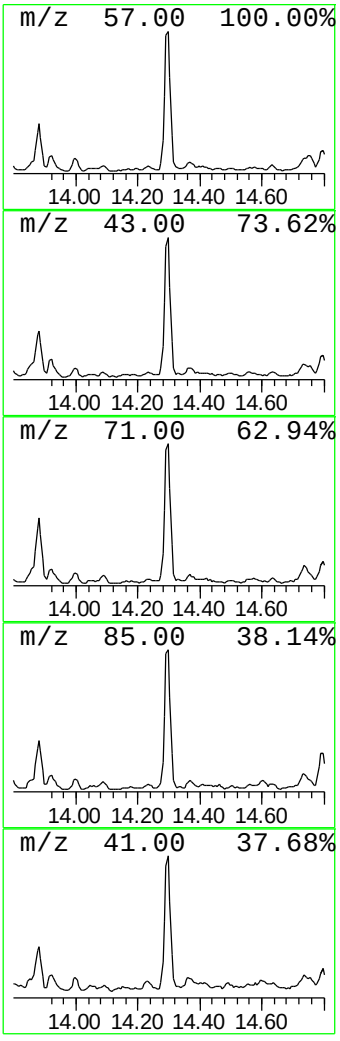
Peak Number 11 (DEL) Alkane: Straight-Chain Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	13.95 ng/ul	883896	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Pentadecane	212	C15H32	000629-62-9	95
3	Pentadecane	212	C15H32	000629-62-9	94
4	Eicosane	282	C20H42	000112-95-8	91
5	Tetradecane	198	C14H30	000629-59-4	91





Library Search Compound Report

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Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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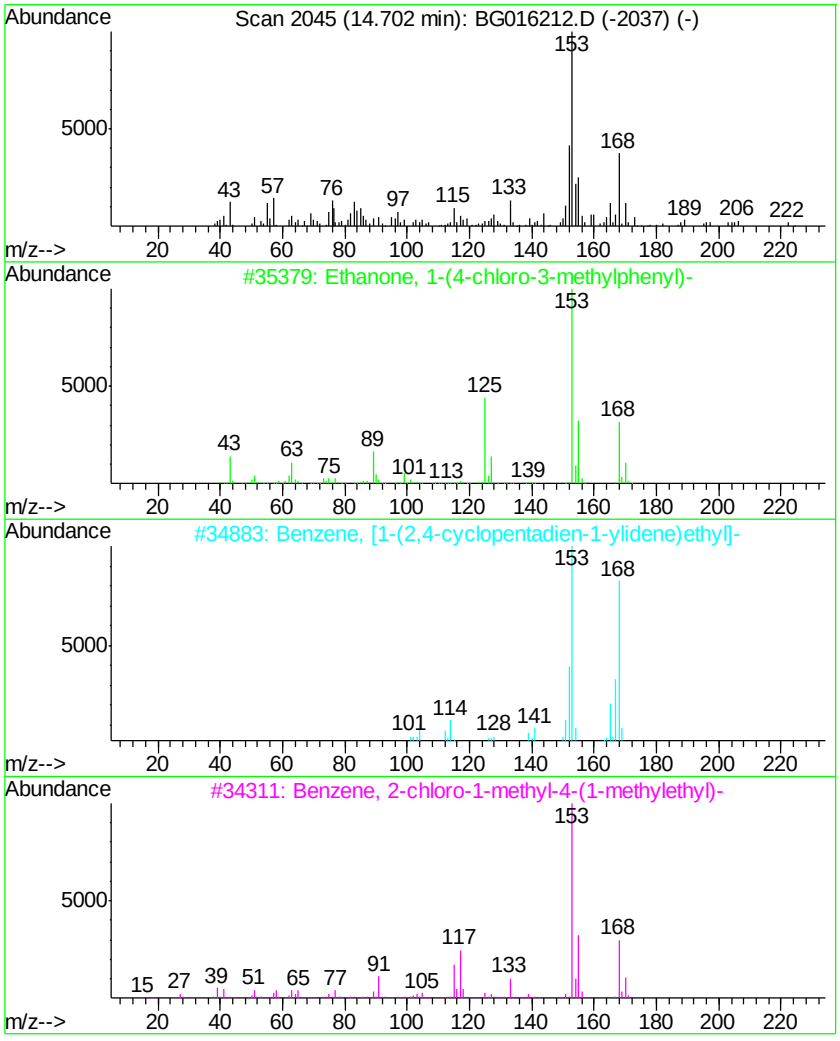
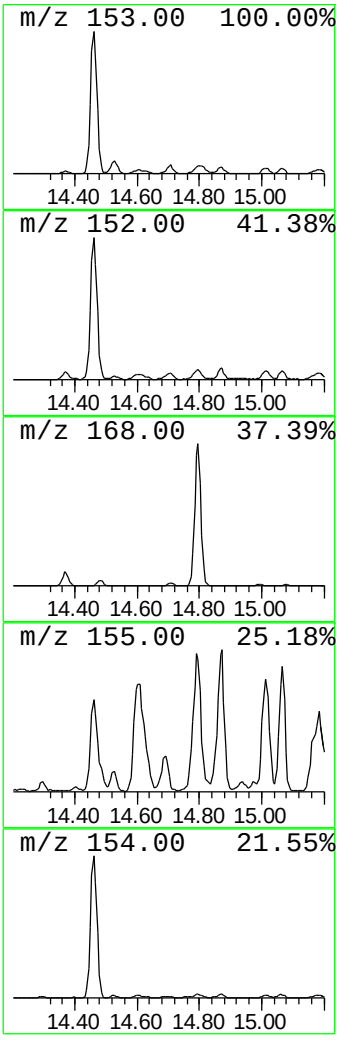
Peak Number 12 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	2.75 ng/ul	174245	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-chloro-3-methylph...	168	C9H9ClO	037074-39-8	43
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	40
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	38
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	35
5	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	35





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Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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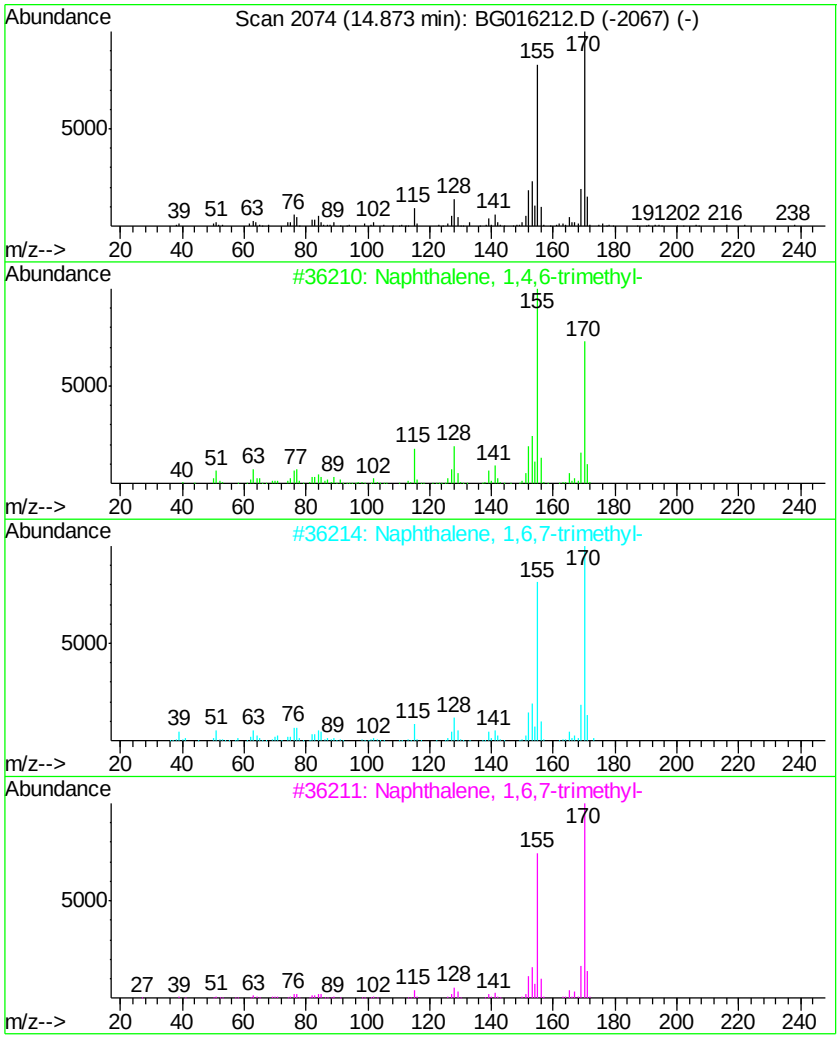
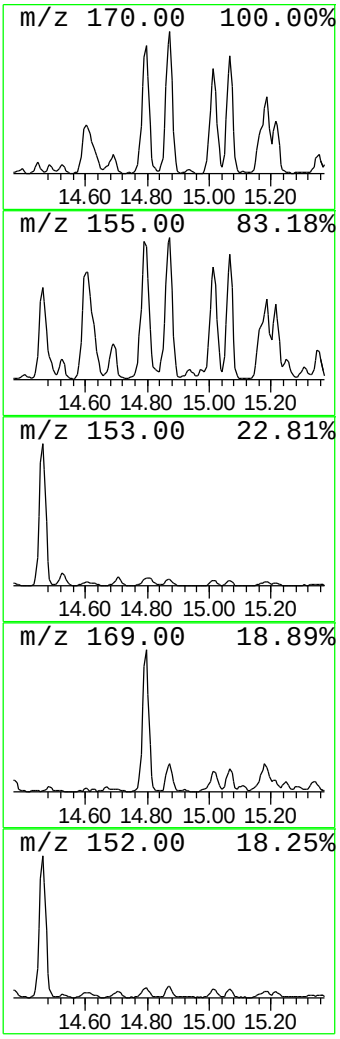
Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	4.07 ng/ul	257630	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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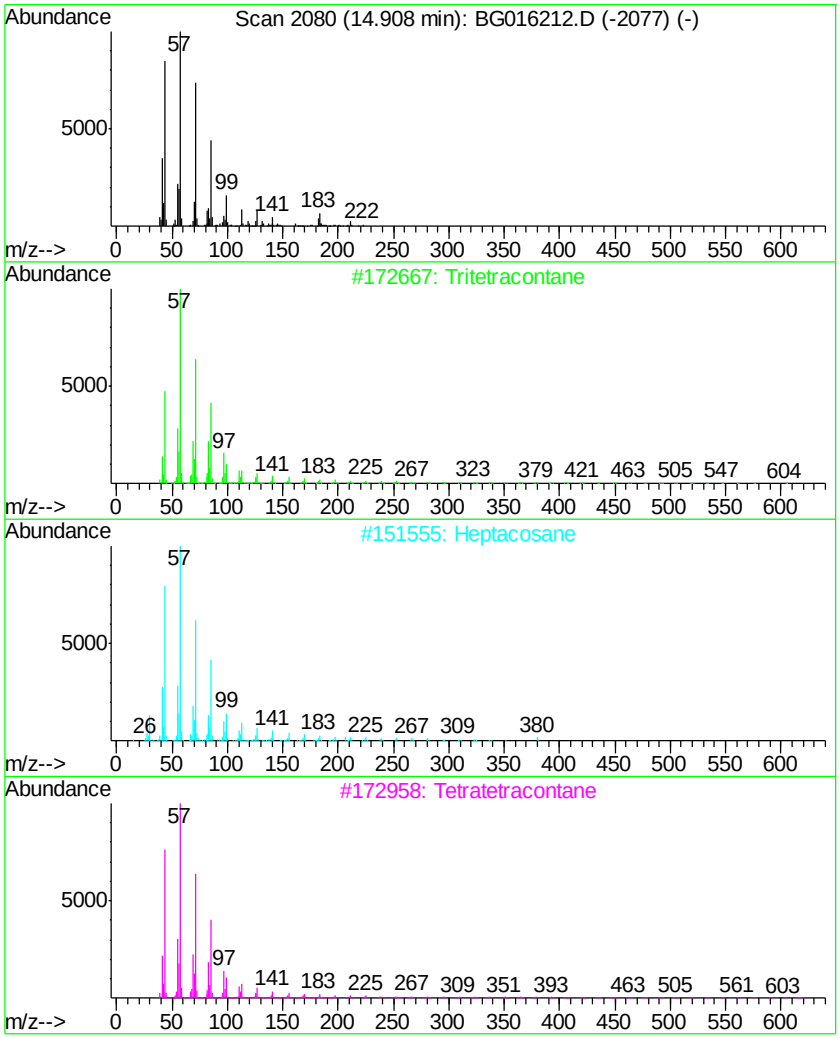
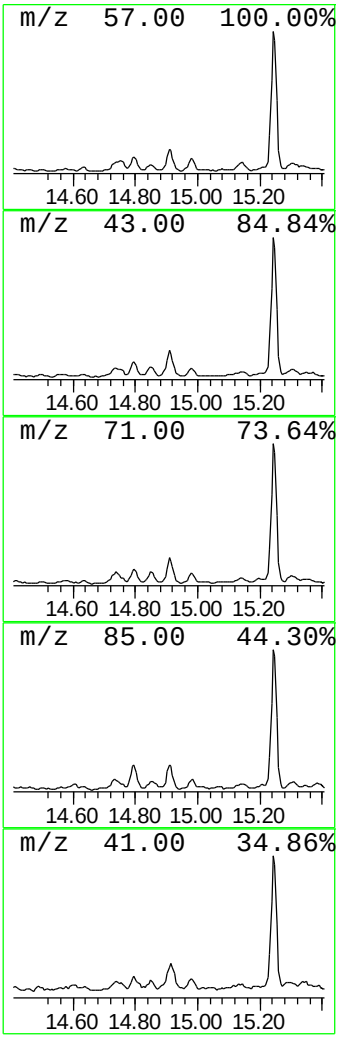
Peak Number 14 (DEL) Alkane: Straight-Chain Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	4.93 ng/ul	312283	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	80
2	Heptacosane	380	C27H56	000593-49-7	74
3	Tetratetracontane	619	C44H90	007098-22-8	72
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	72
5	Tetratetracontane	619	C44H90	007098-22-8	64





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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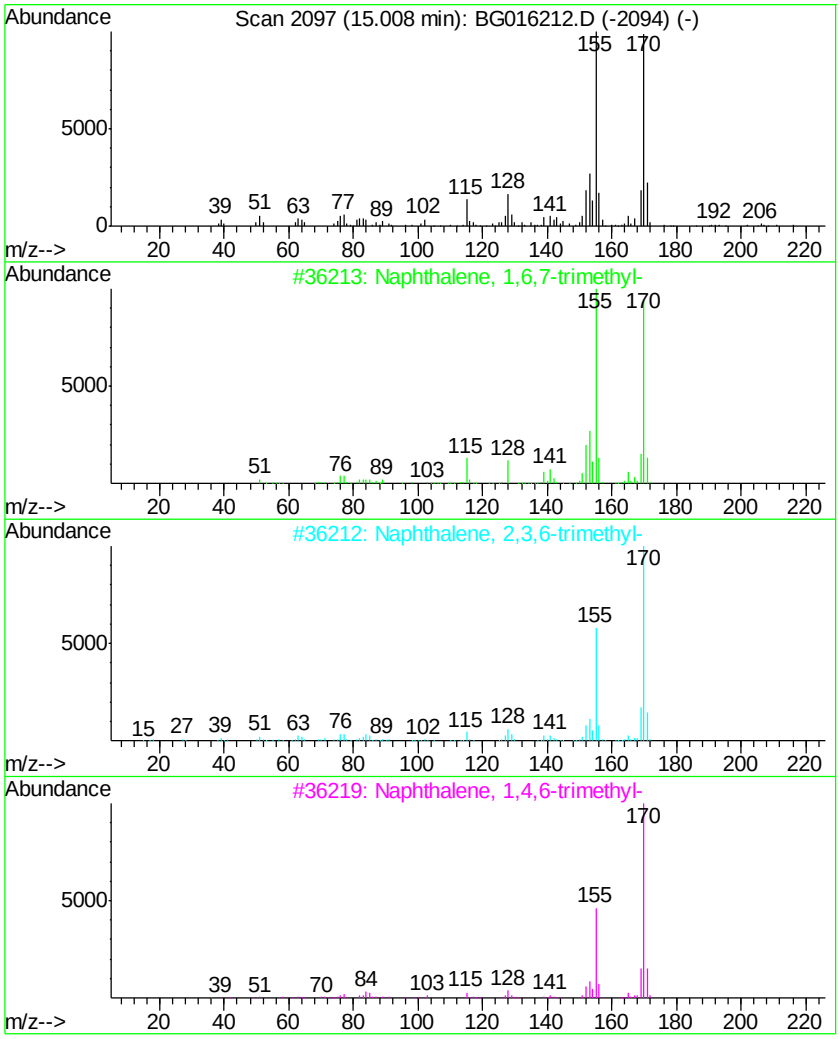
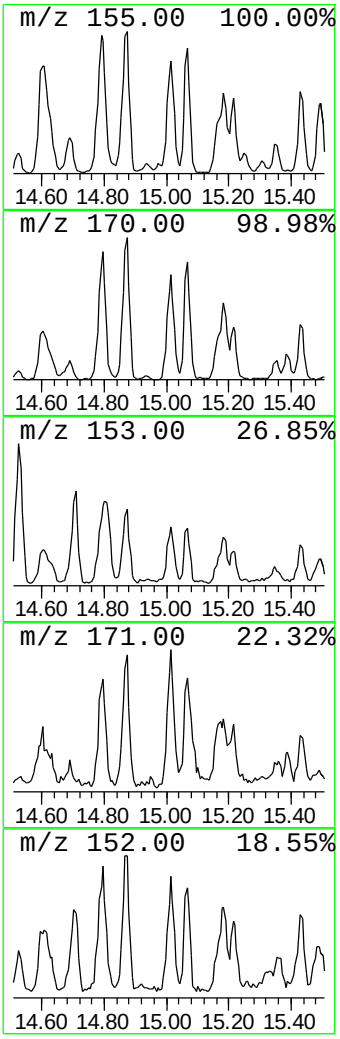
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.77 ng/ul	175612	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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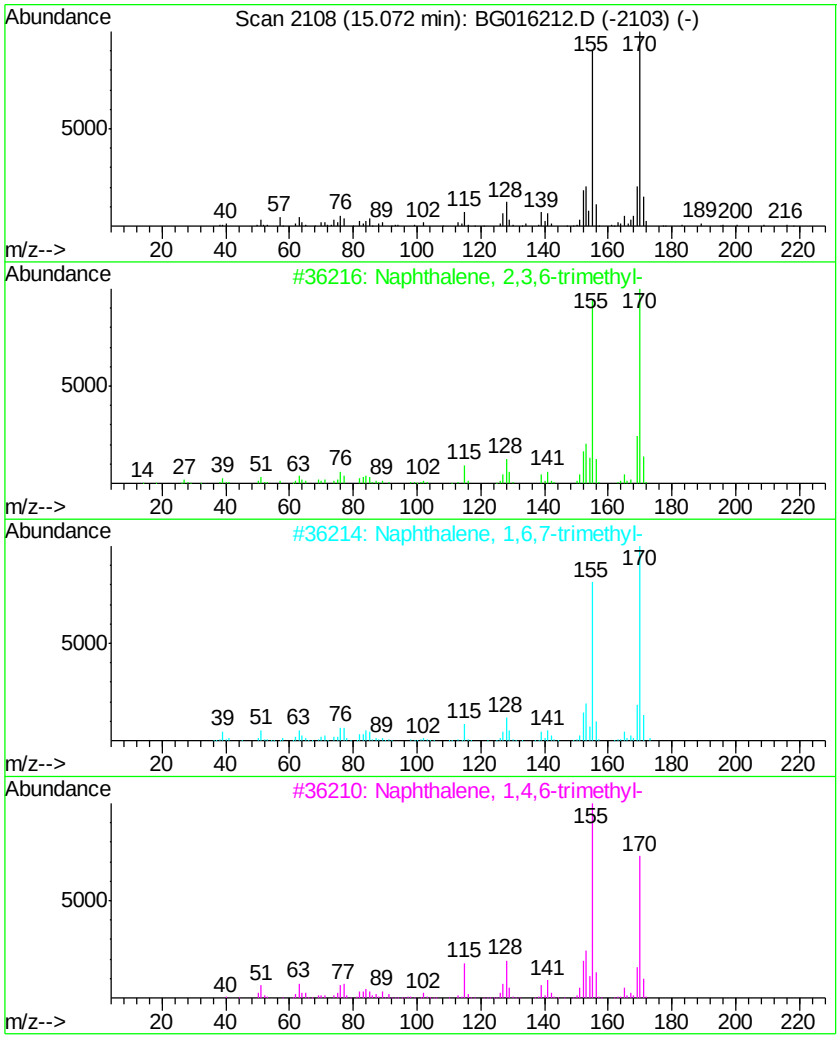
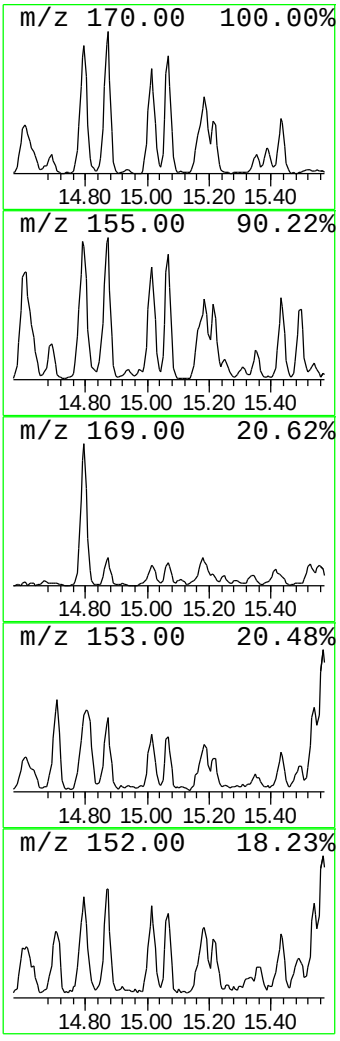
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.34 ng/ul	148128	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97





Library Search Compound Report

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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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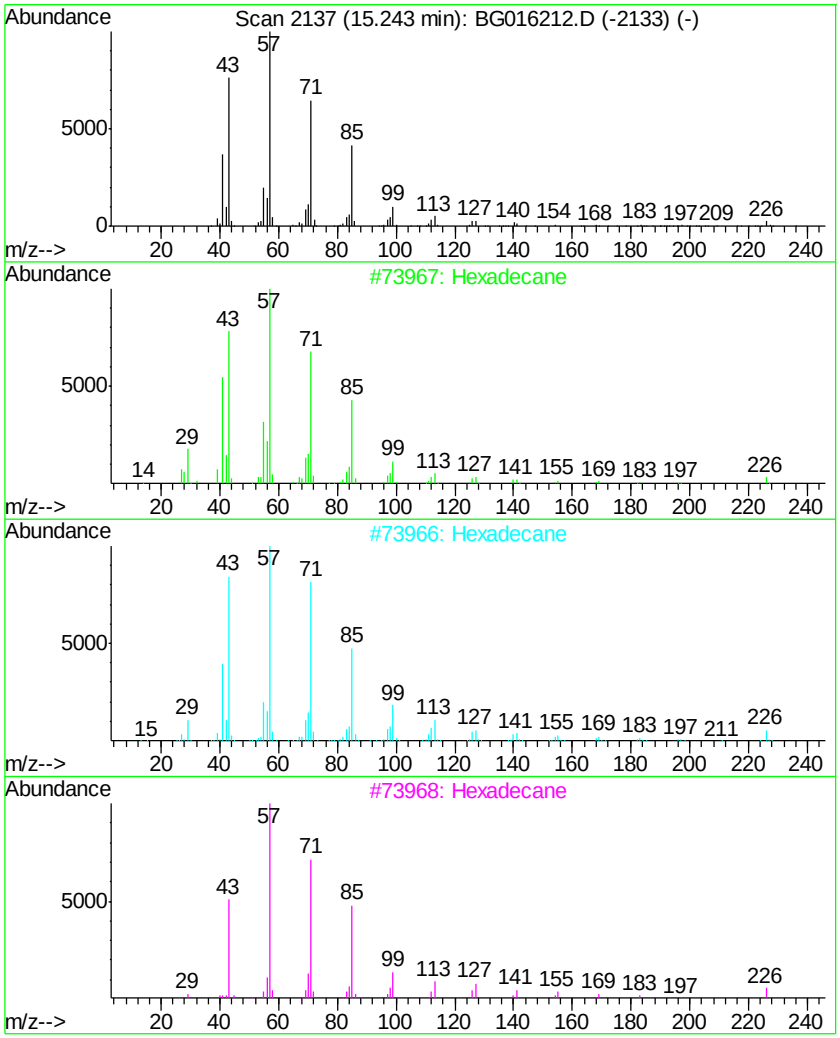
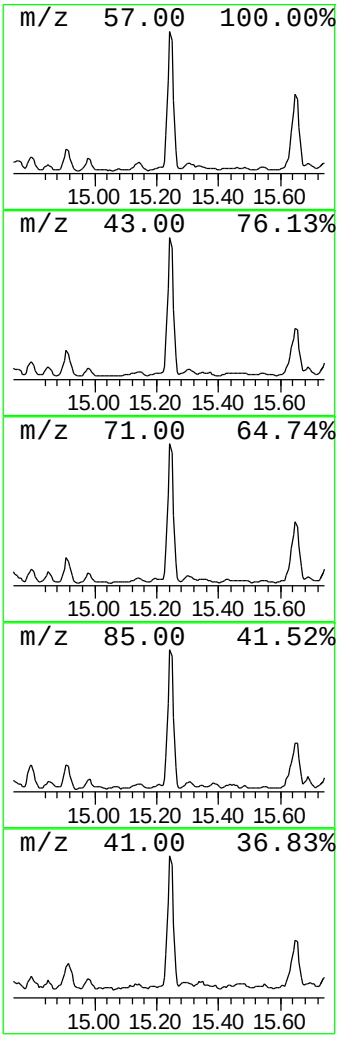
Peak Number 17 (DEL) Alkane: Straight-Chain Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	17.27 ng/ul	1094660	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Hexadecane	226	C16H34	000544-76-3	95
3	Hexadecane	226	C16H34	000544-76-3	94
4	Hexadecane	226	C16H34	000544-76-3	94
5	Hexadecane	226	C16H34	000544-76-3	94





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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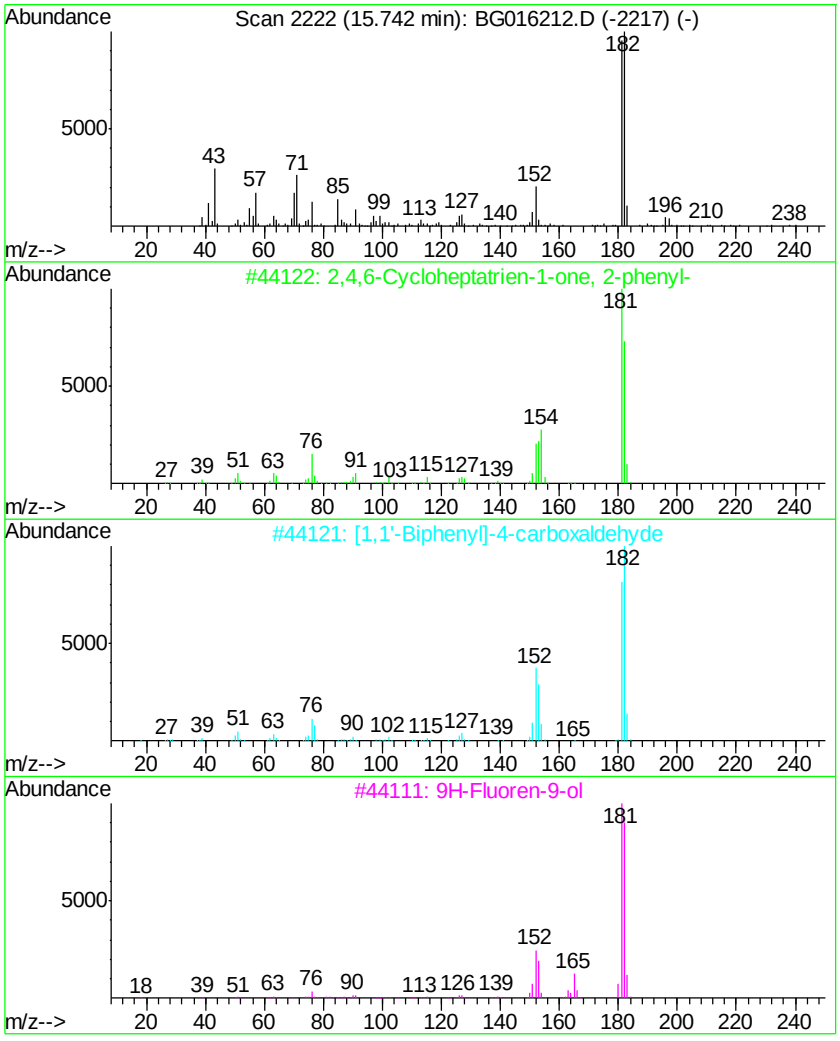
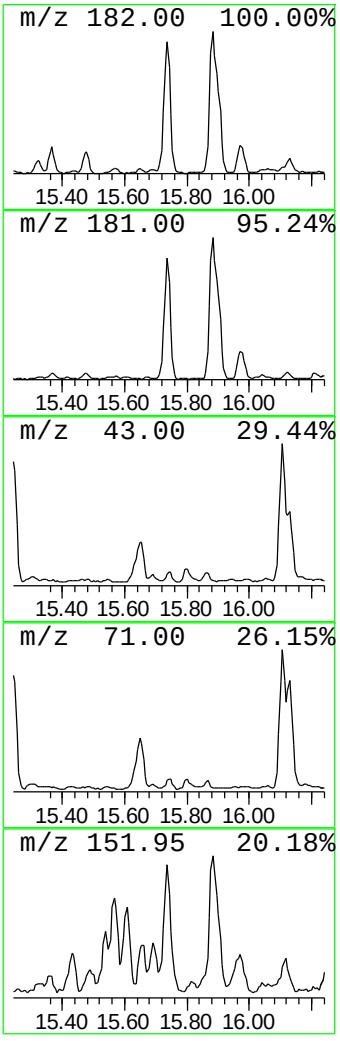
Peak Number 18 2,4,6-Cycloheptatrien-1-one... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	6.62 ng/ul	419570	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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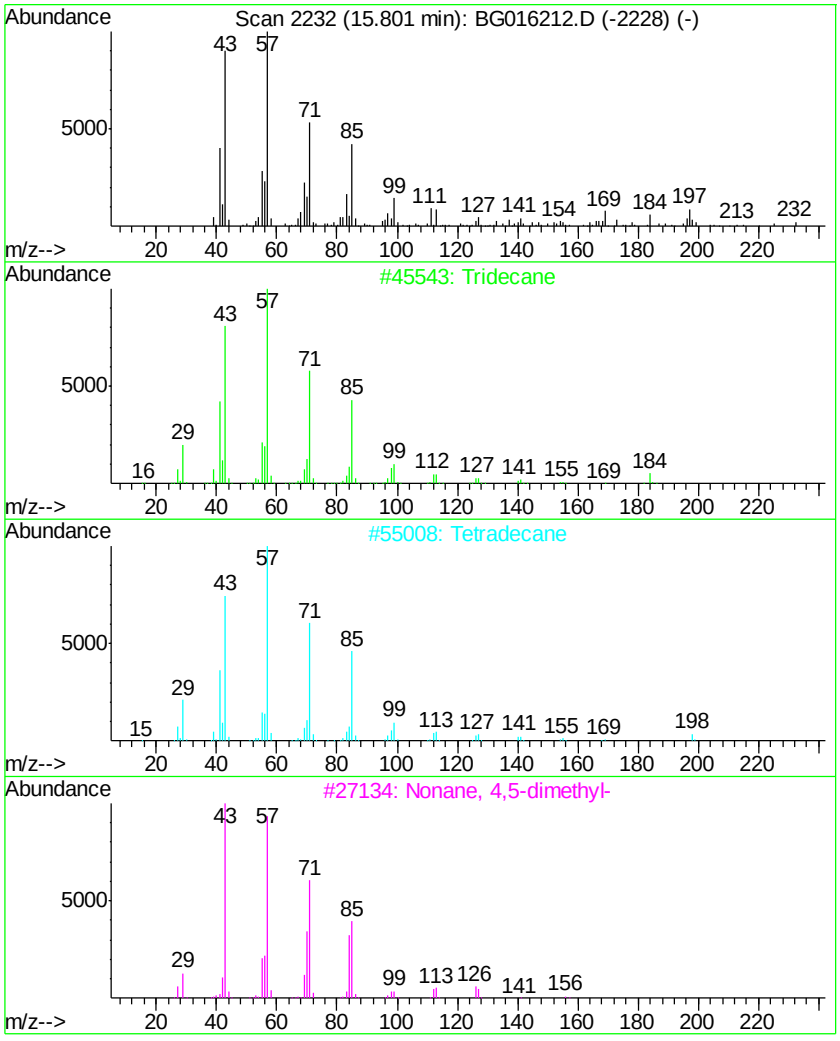
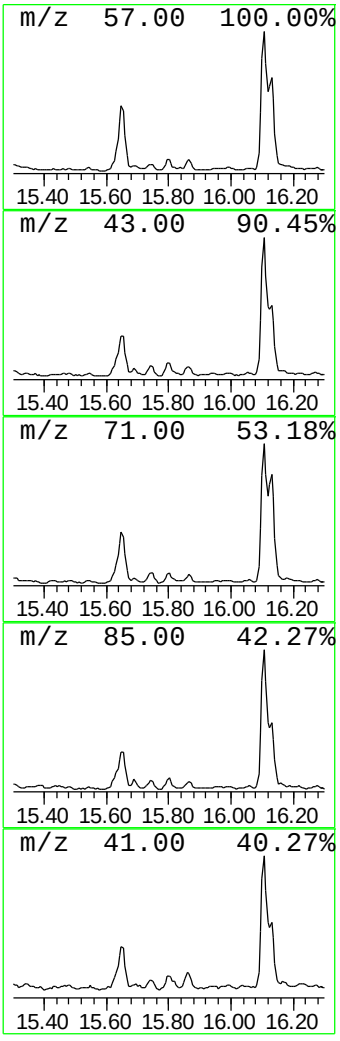
Peak Number 19 (DEL) Alkane: Straight-Chain Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.94 ng/ul	215372	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	81
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	74
4	Tridecane	184	C13H28	000629-50-5	68
5	Hexadecane	226	C16H34	000544-76-3	64





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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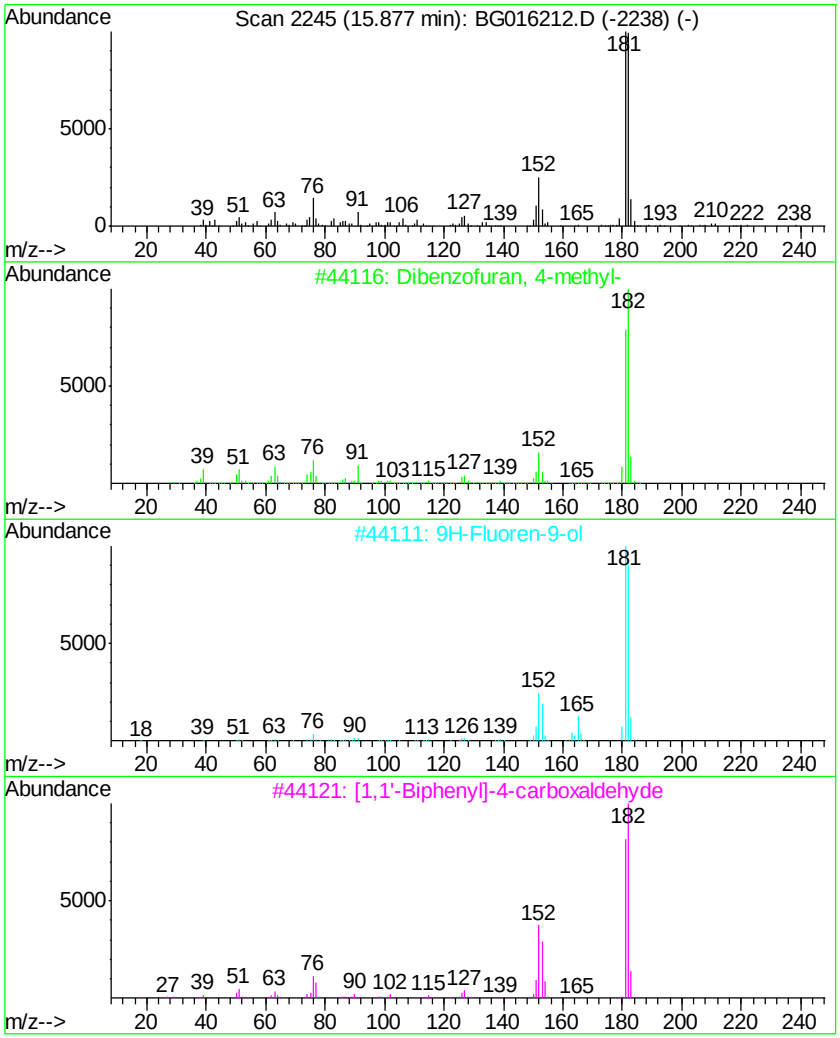
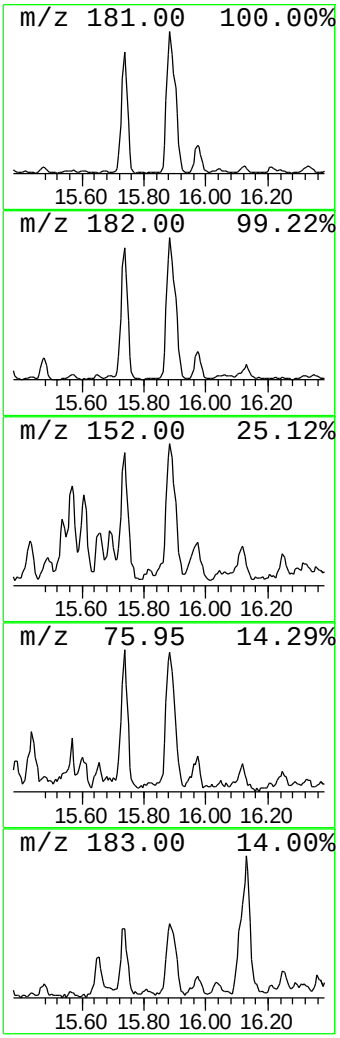
Peak Number 20 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	11.01 ng/ul	602066	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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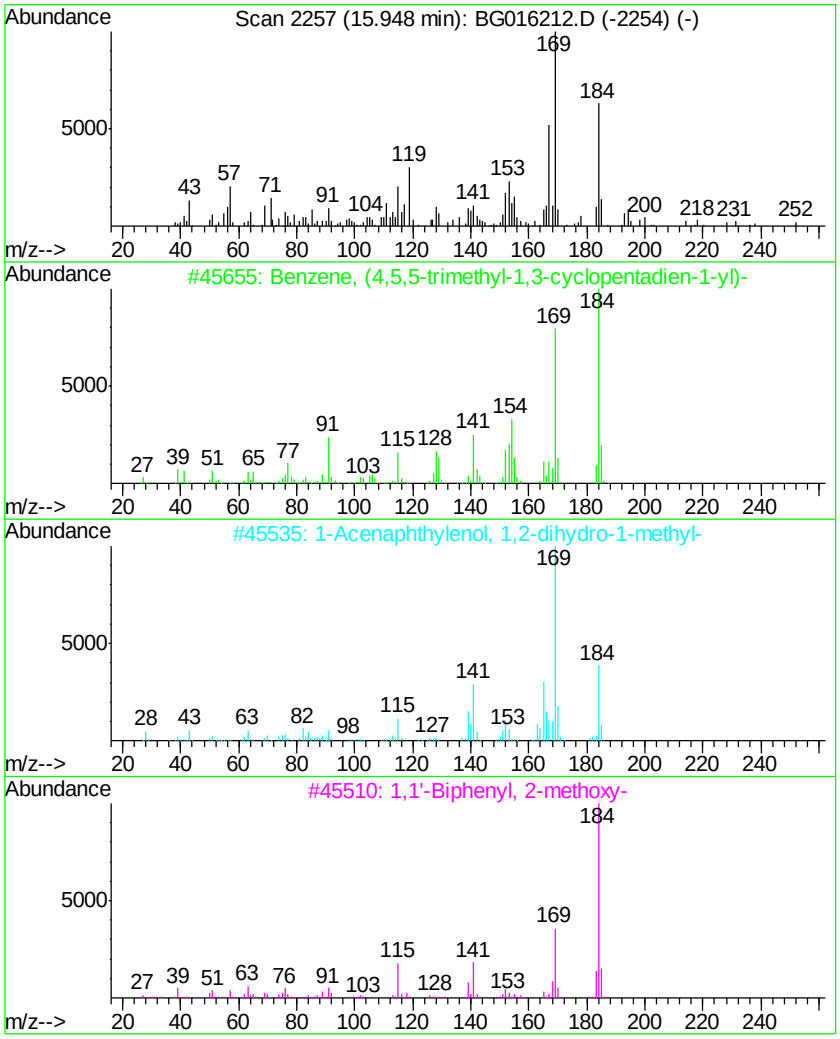
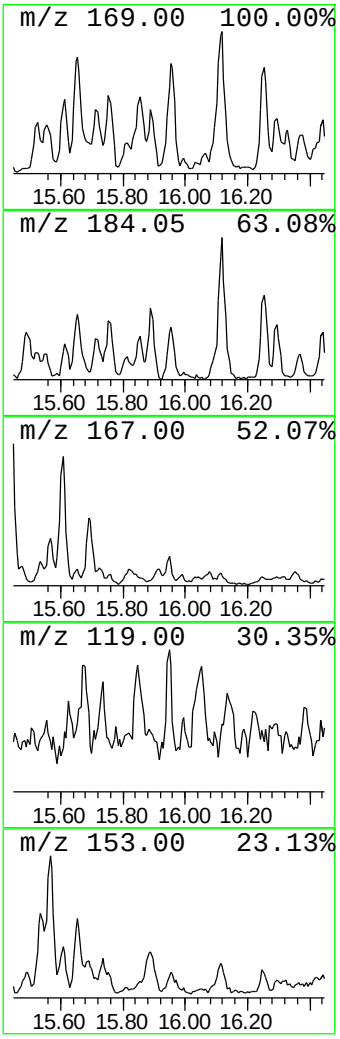
Peak Number 21 Benzene, (4,5,5-trimethyl-1... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	3.80 ng/ul	207976	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	64
2	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	64
3	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	50
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	49
5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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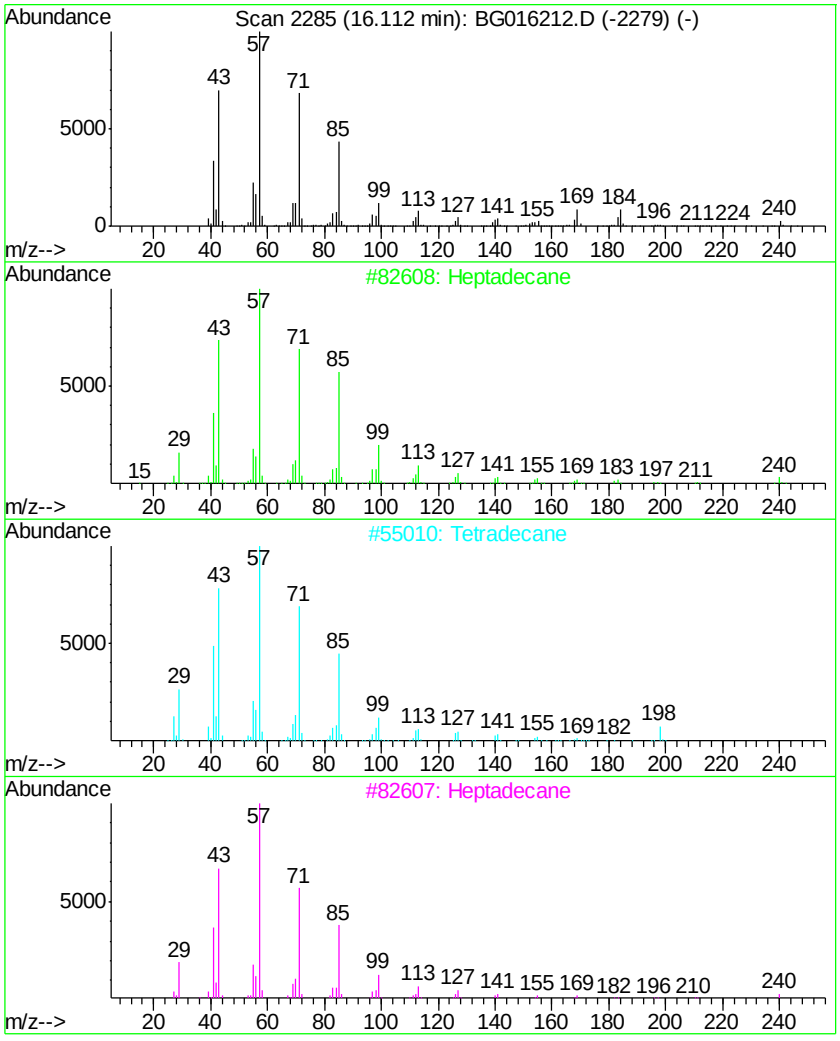
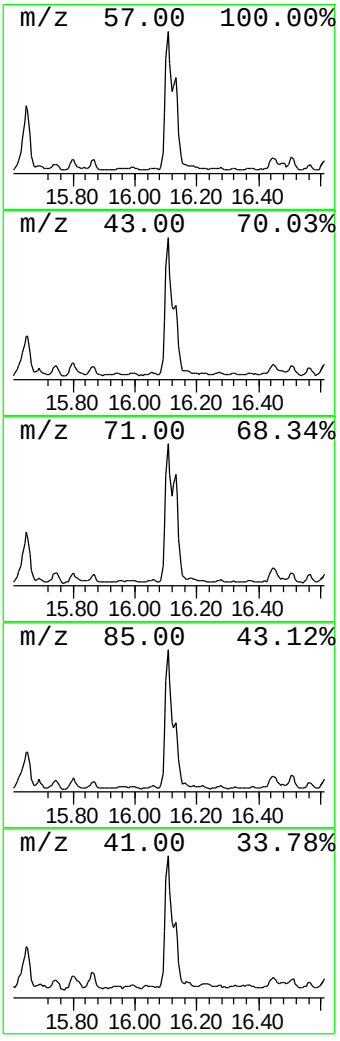
Peak Number 22 (DEL) Alkane: Straight-Chain Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	31.41 ng/ul	1717980	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tetradecane	198	C14H30	000629-59-4	95
3	Heptadecane	240	C17H36	000629-78-7	95
4	Tetradecane	198	C14H30	000629-59-4	94
5	Dodecane	170	C12H26	000112-40-3	90





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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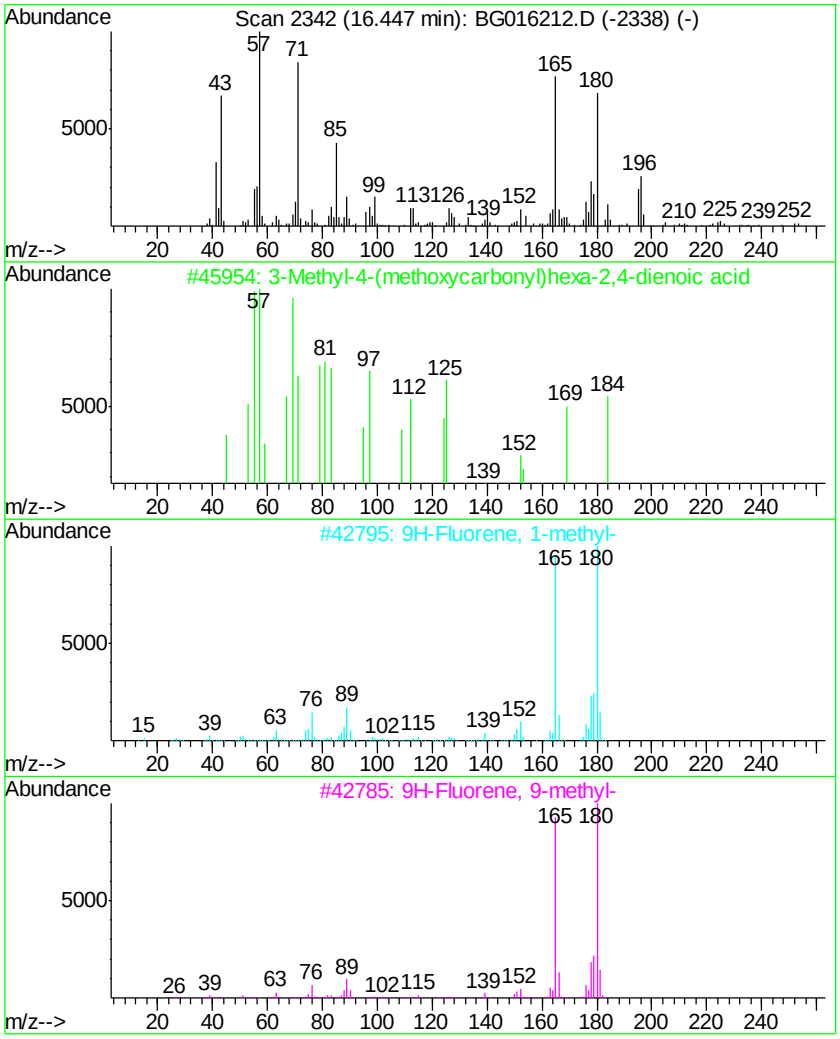
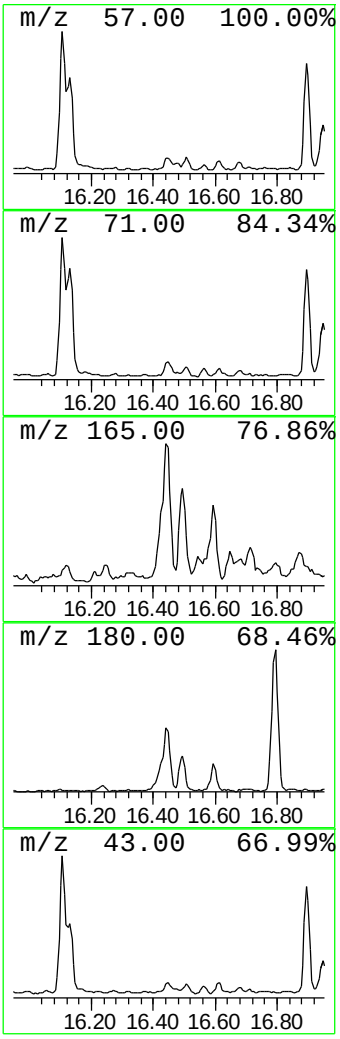
Peak Number 23 3-Methyl-4-(methoxycarbonyl... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	3.76 ng/ul	205622	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	53
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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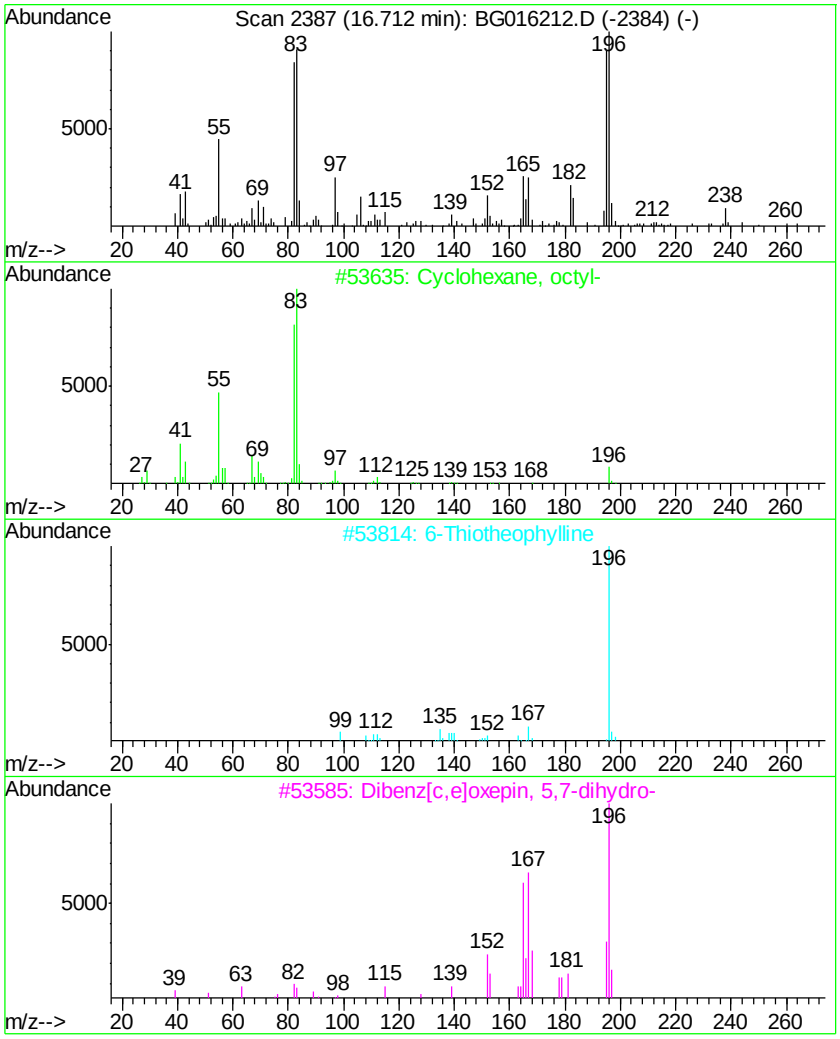
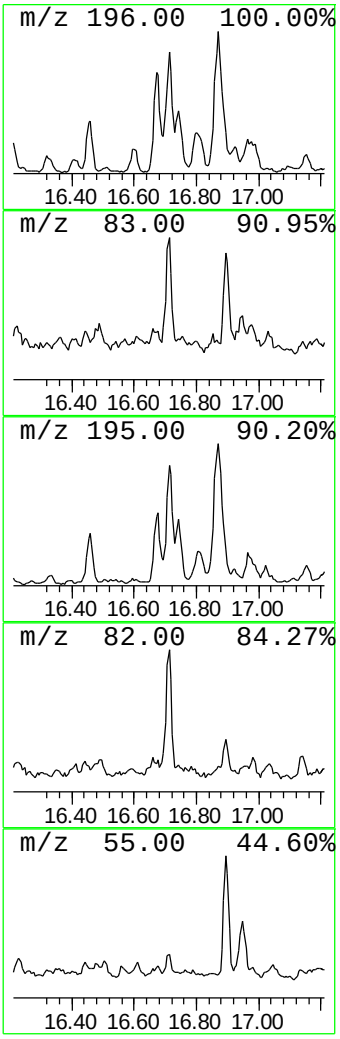
Peak Number 24 Cyclohexane, octyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	2.67 ng/ul	146040	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, octyl-	196	C14H28	001795-15-9	53
2	6-Thiotheophylline	196	C7H8N4OS	002398-70-1	22
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	20
4	1,2,4-Triazole, 5-cyclohexanecar...	194	C9H14N4O	021051-17-2	15
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	11





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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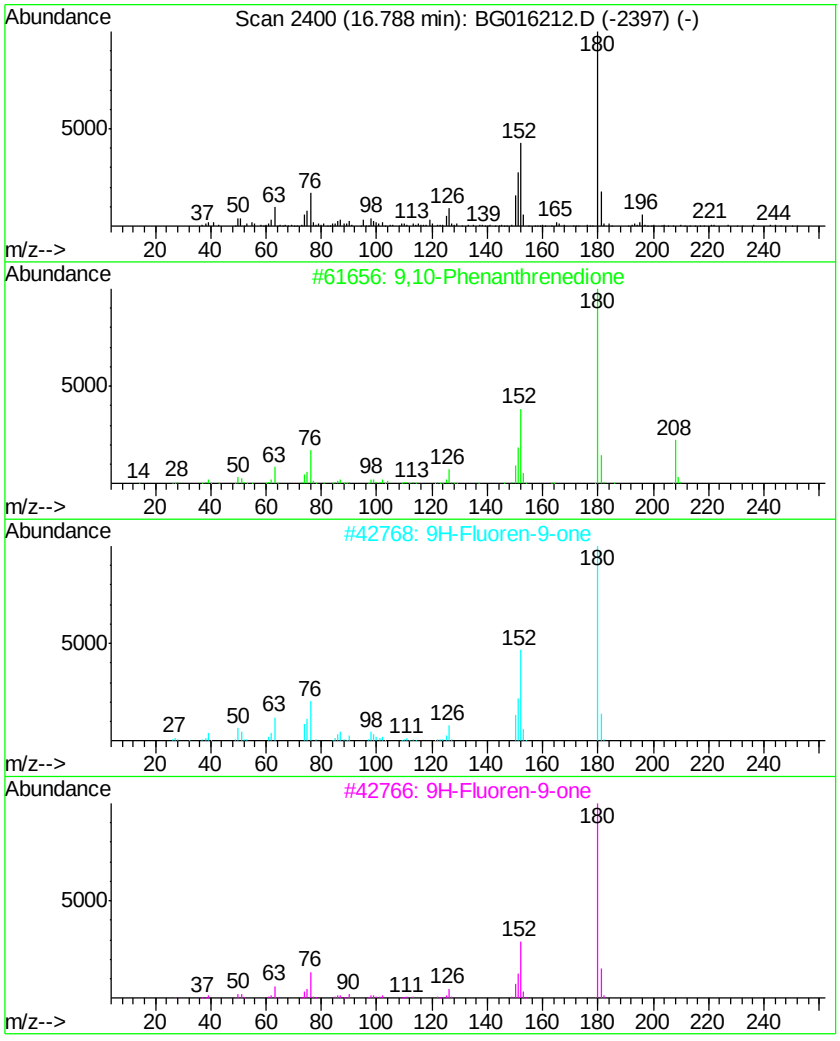
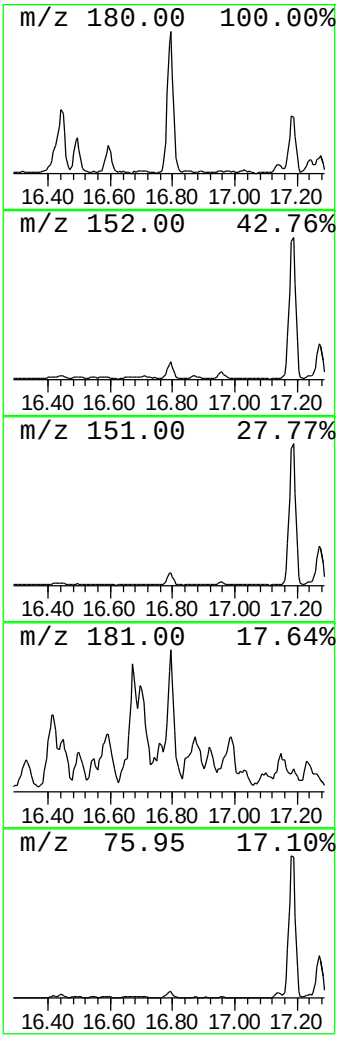
Peak Number 25 9,10-Phenanthrenedione Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.77 ng/ul	260932	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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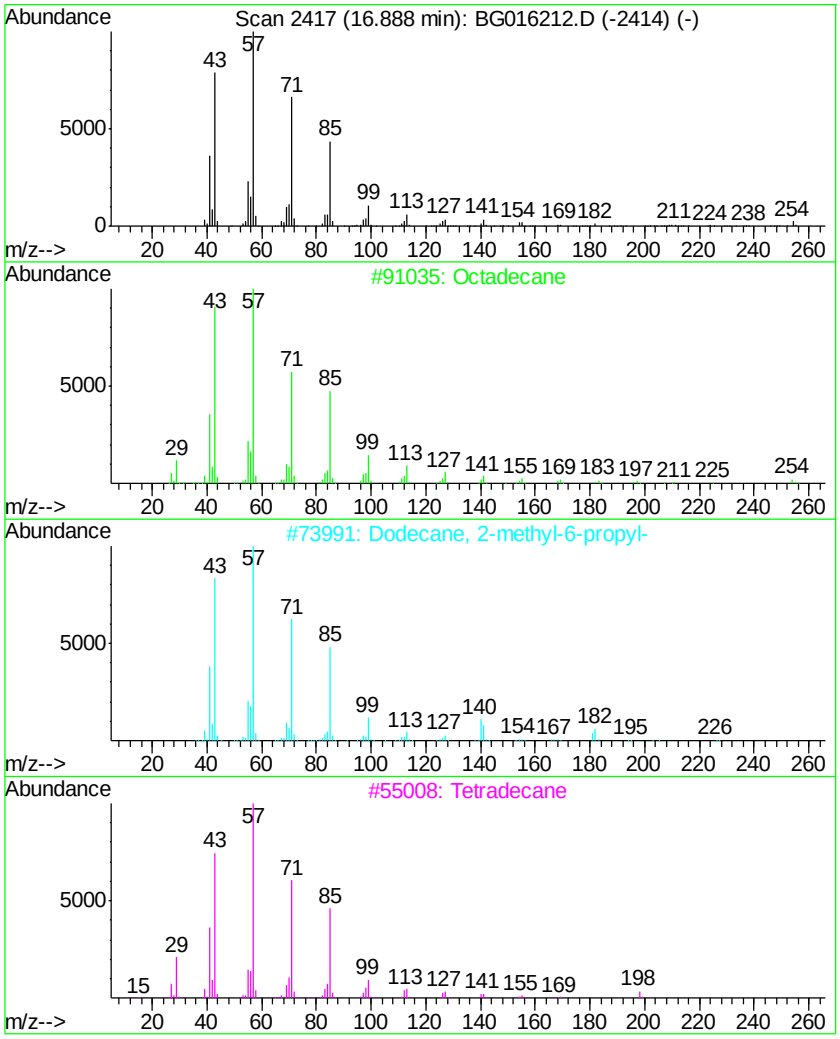
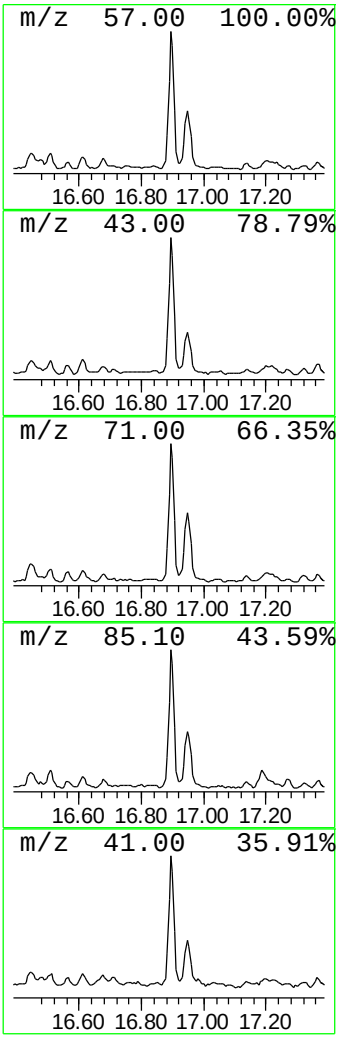
Peak Number 26 (DEL) Alkane: Straight-Chain Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	17.01 ng/ul	930546	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
3	Tetradecane	198	C14H30	000629-59-4	91
4	Pentadecane	212	C15H32	000629-62-9	91
5	Pentadecane	212	C15H32	000629-62-9	90





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Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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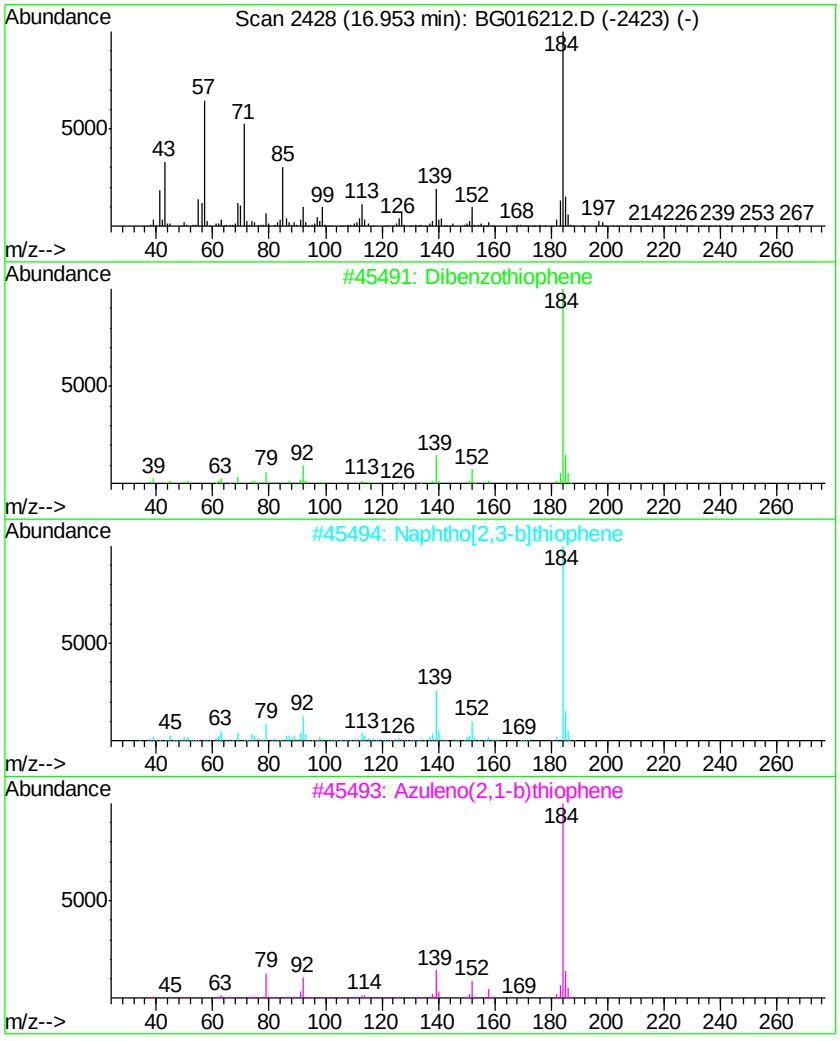
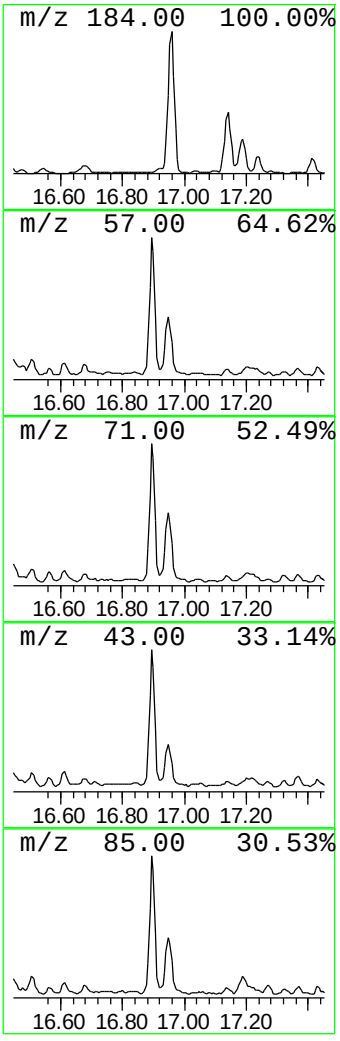
Peak Number 27 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	17.74 ng/ul	970006	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	92
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78
4	Dibenzothiophene	184	C12H8S	000132-65-0	78
5	Dibenzothiophene	184	C12H8S	000132-65-0	60





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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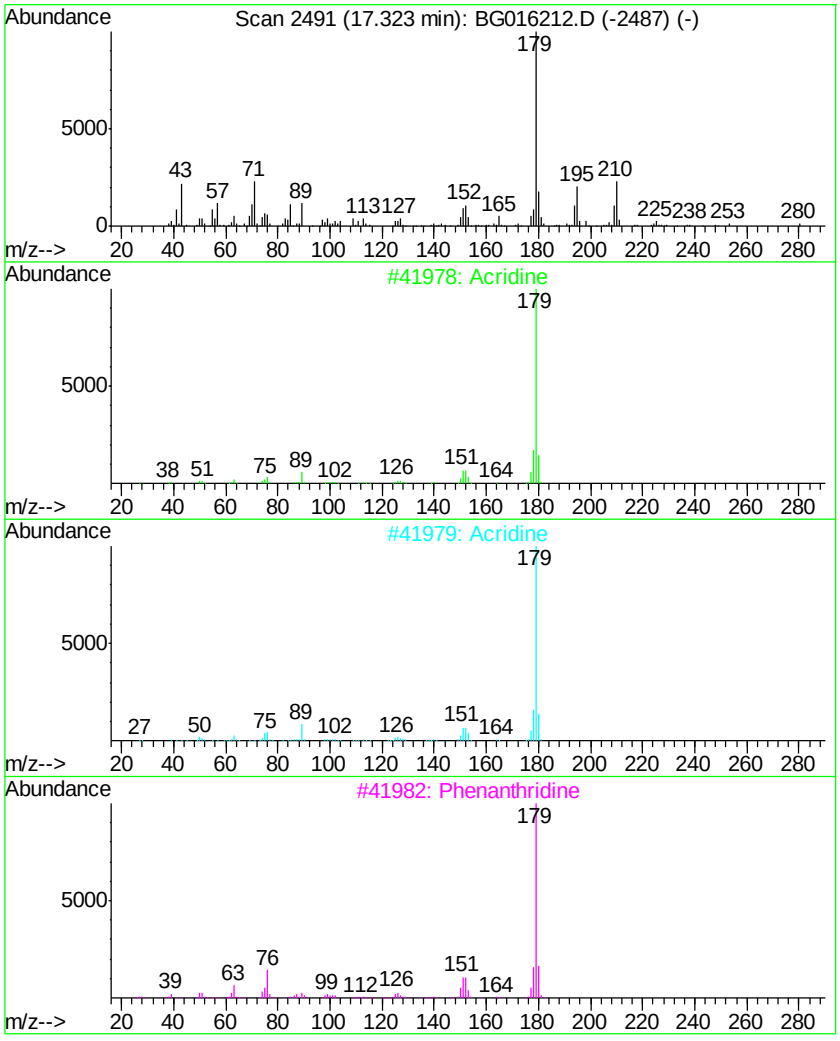
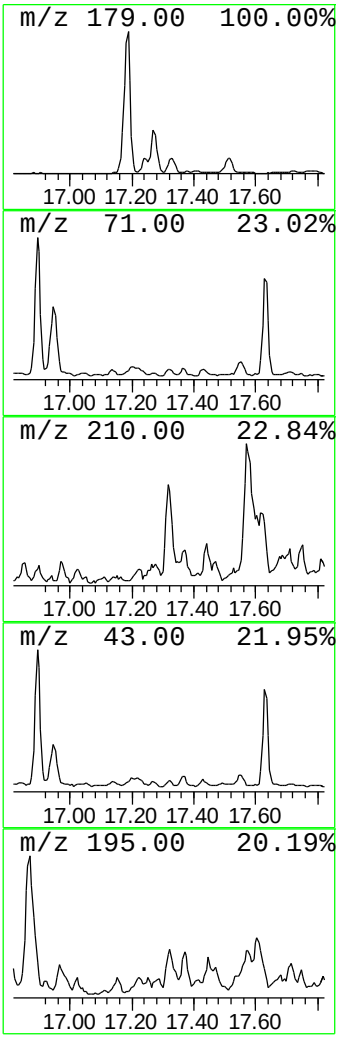
Peak Number 28 Acridine Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	3.85 ng/ul	210681	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	78
2	Acridine	179	C13H9N	000260-94-6	60
3	Phenanthridine	179	C13H9N	000229-87-8	55
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	53
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	53





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Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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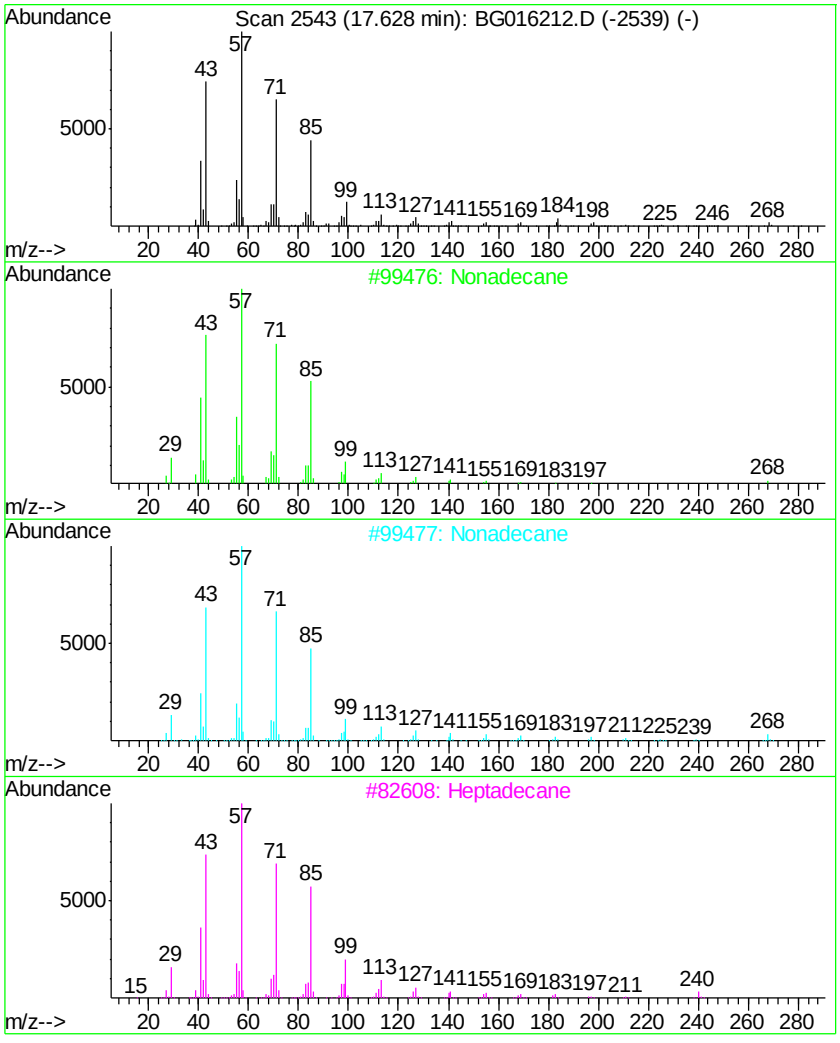
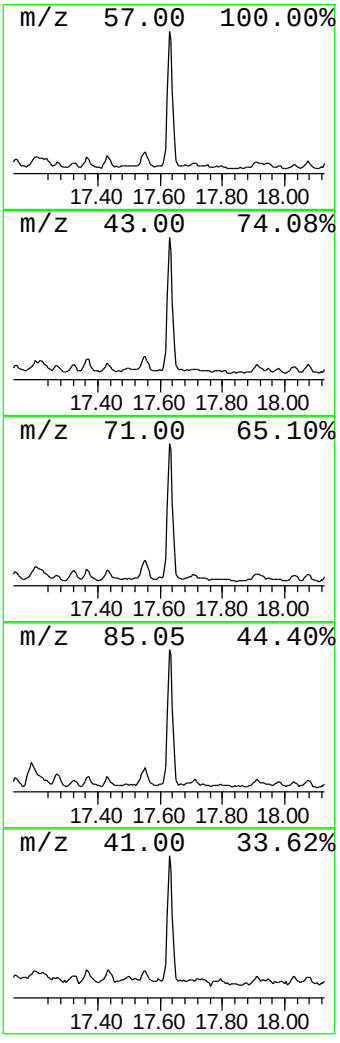
Peak Number 29 (DEL) Alkane: Straight-Chain Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	15.54 ng/ul	850109	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Nonadecane	268	C19H40	000629-92-5	97
3	Heptadecane	240	C17H36	000629-78-7	95
4	Tetradecane	198	C14H30	000629-59-4	95
5	Nonadecane	268	C19H40	000629-92-5	93





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Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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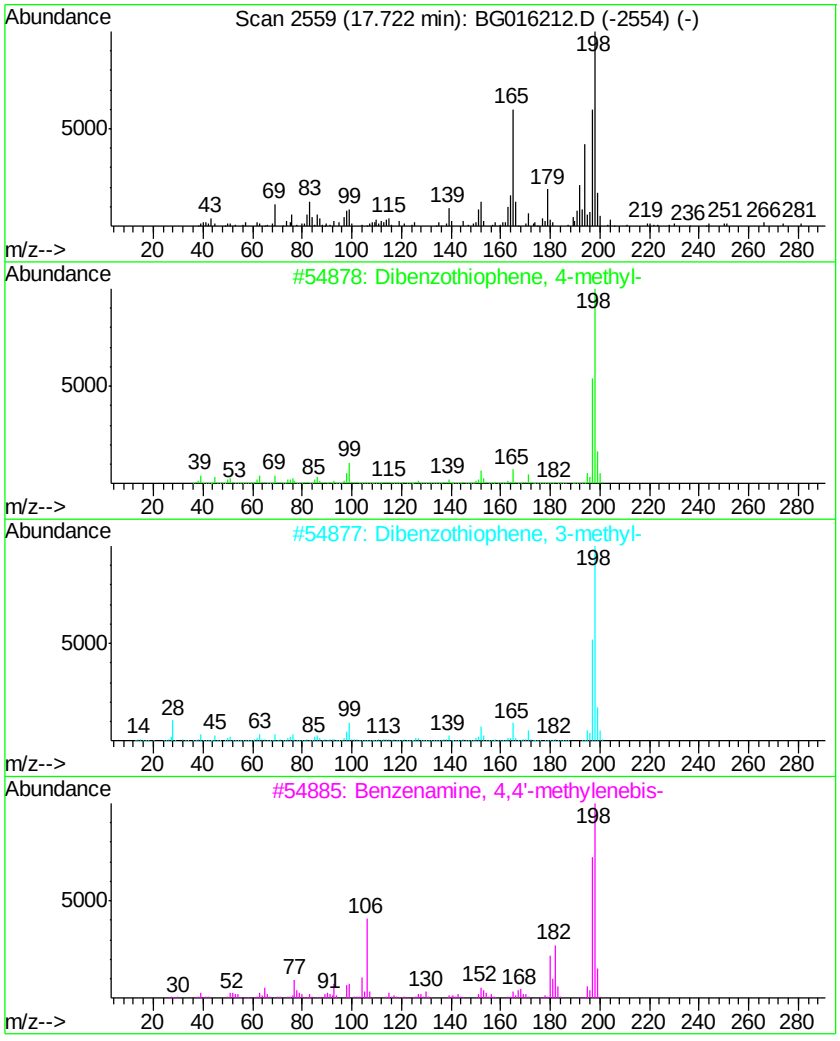
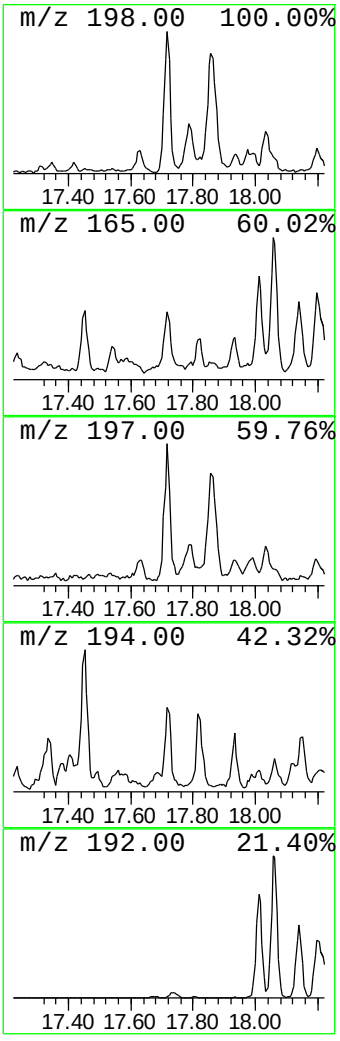
Peak Number 30 Dibenzothiophene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	3.97 ng/ul	217400	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	62
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52





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Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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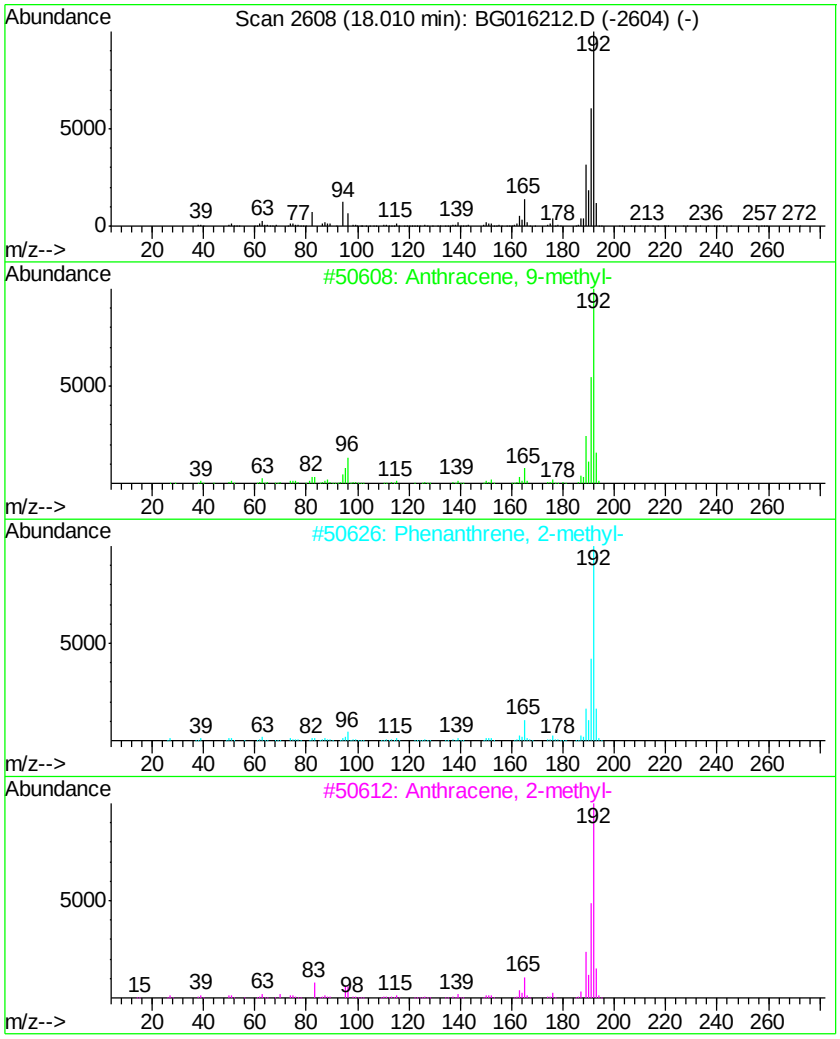
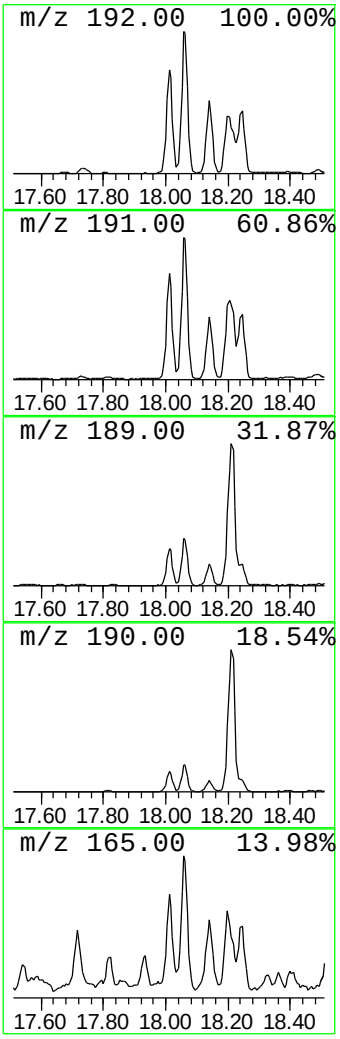
Peak Number 31 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	9.06 ng/ul	495261	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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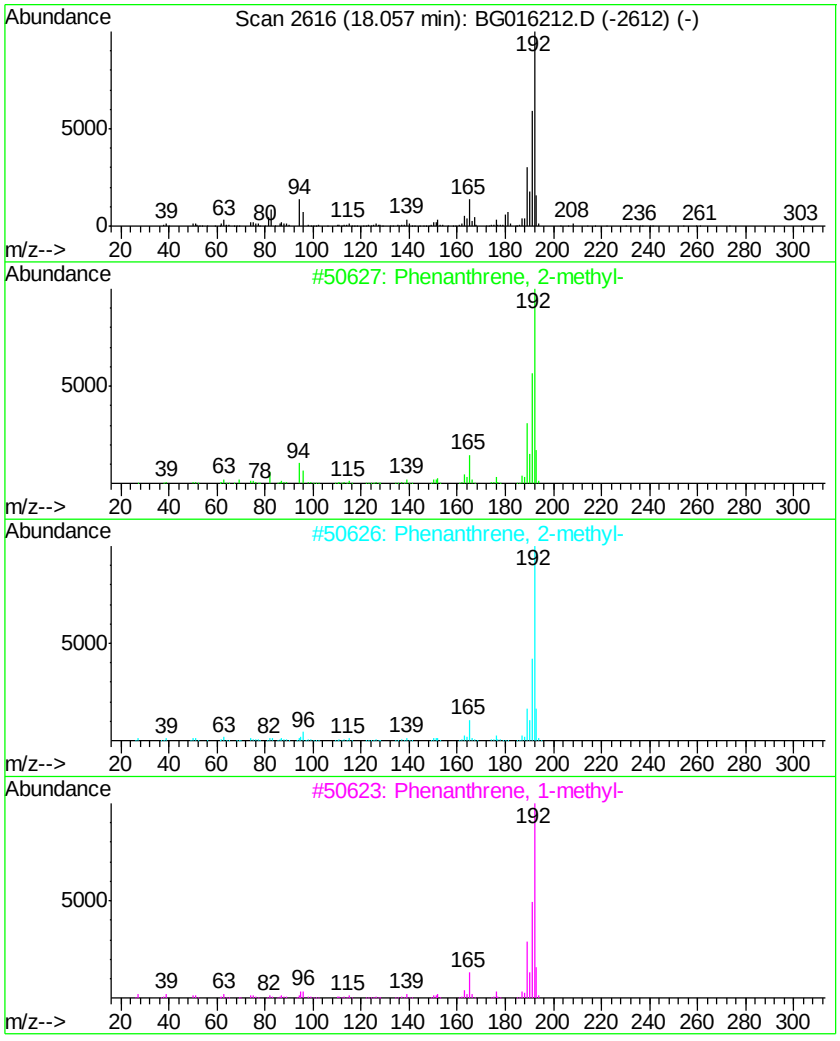
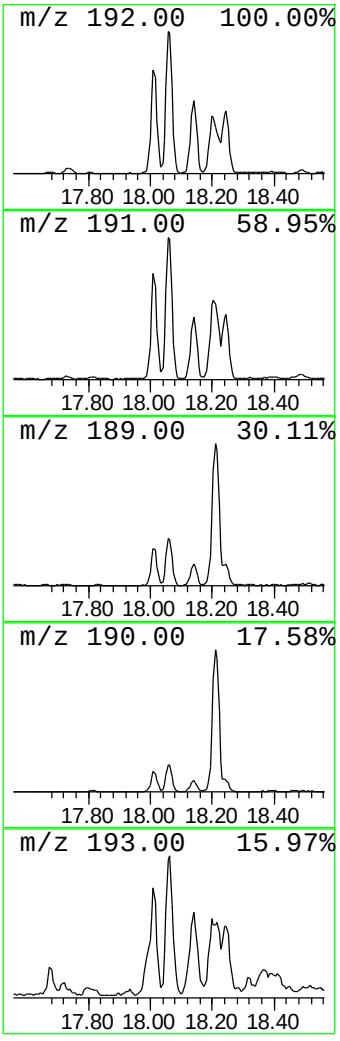
Peak Number 32 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	17.07 ng/ul	933564	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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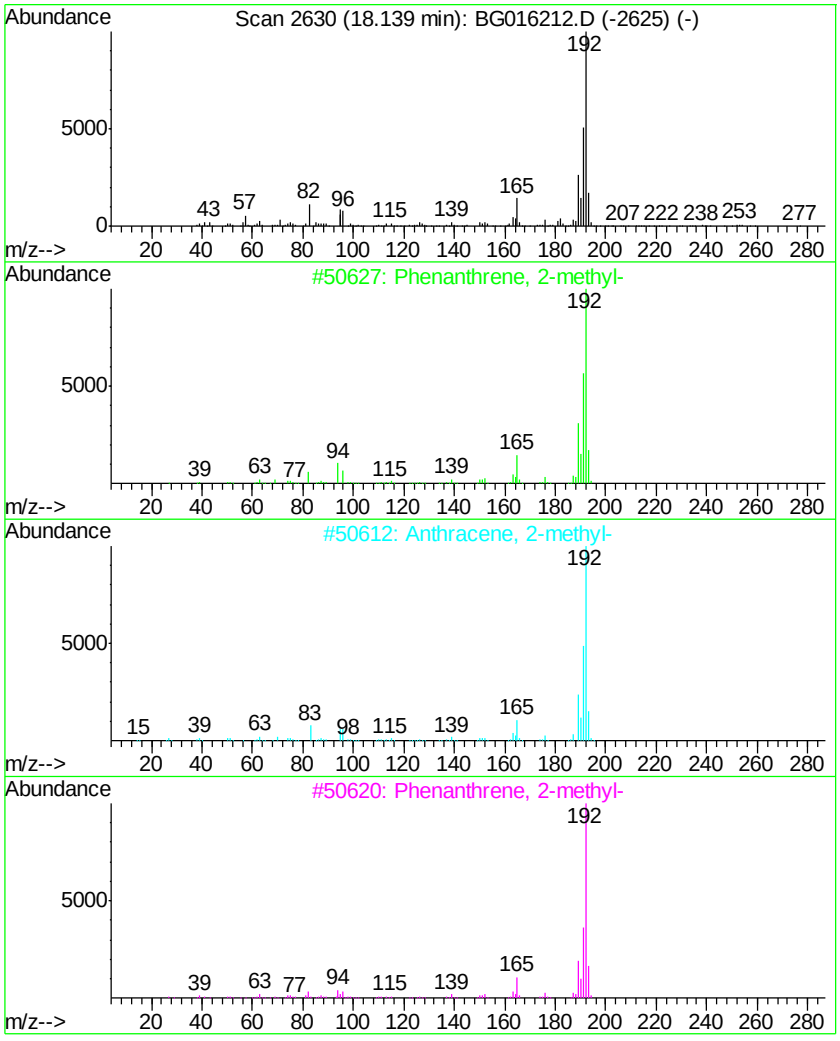
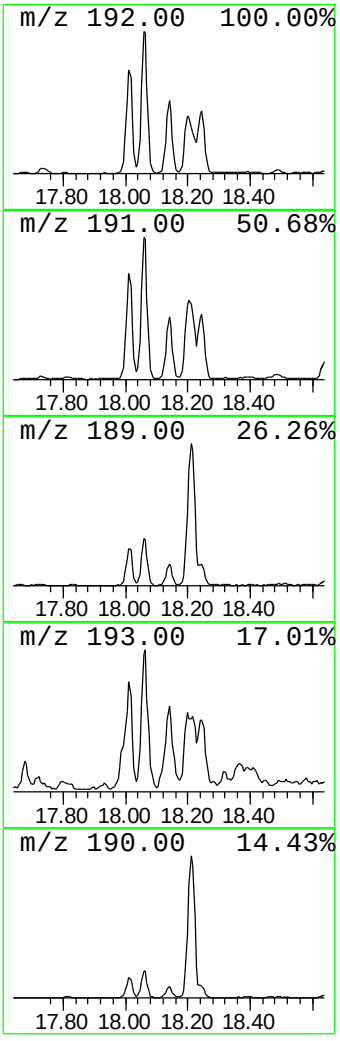
Peak Number 33 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	7.89 ng/ul	431656	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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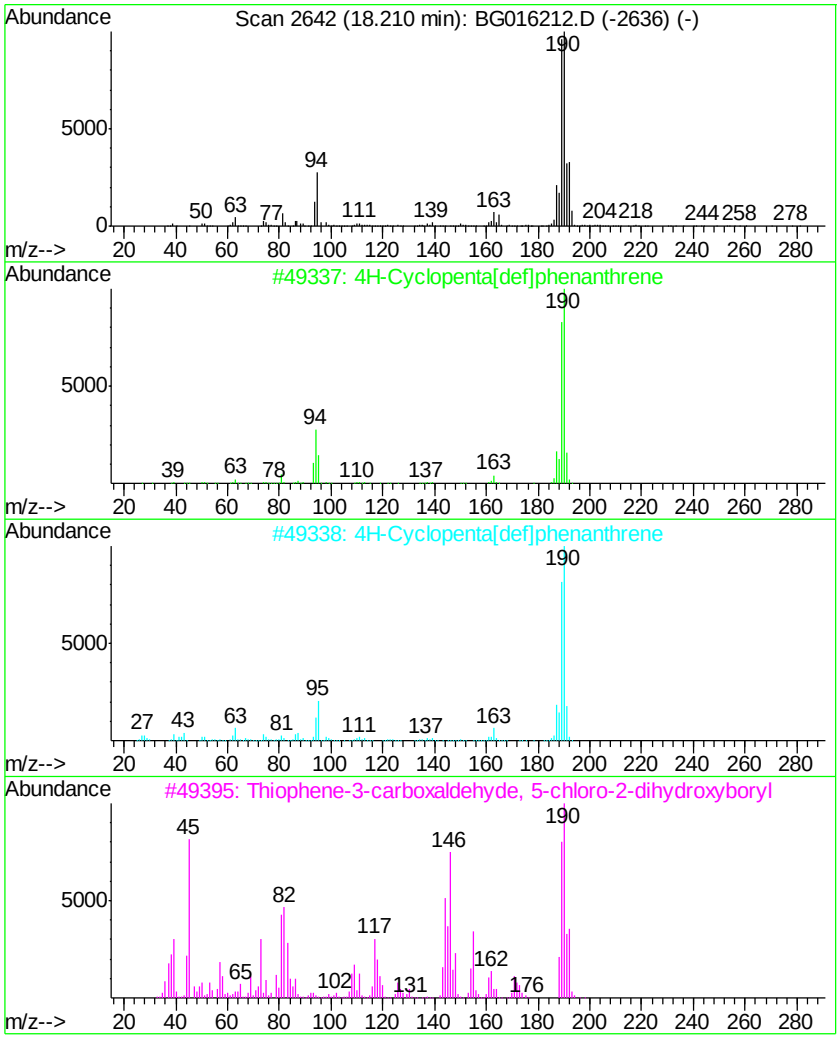
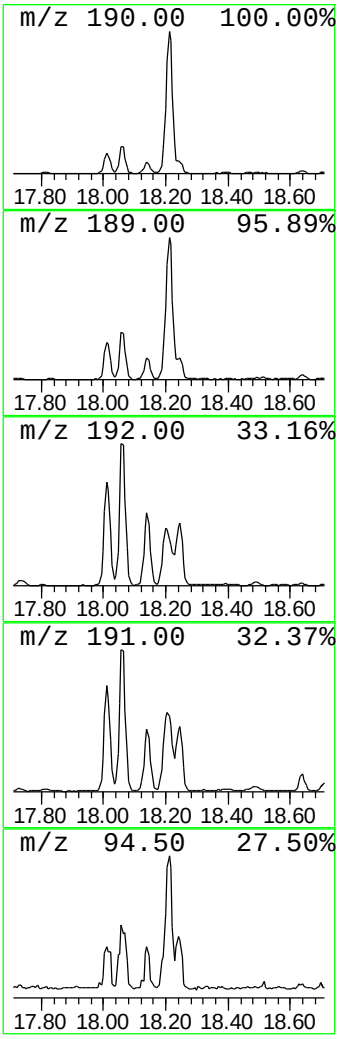
Peak Number 34 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	22.49 ng/ul	1230210	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59





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Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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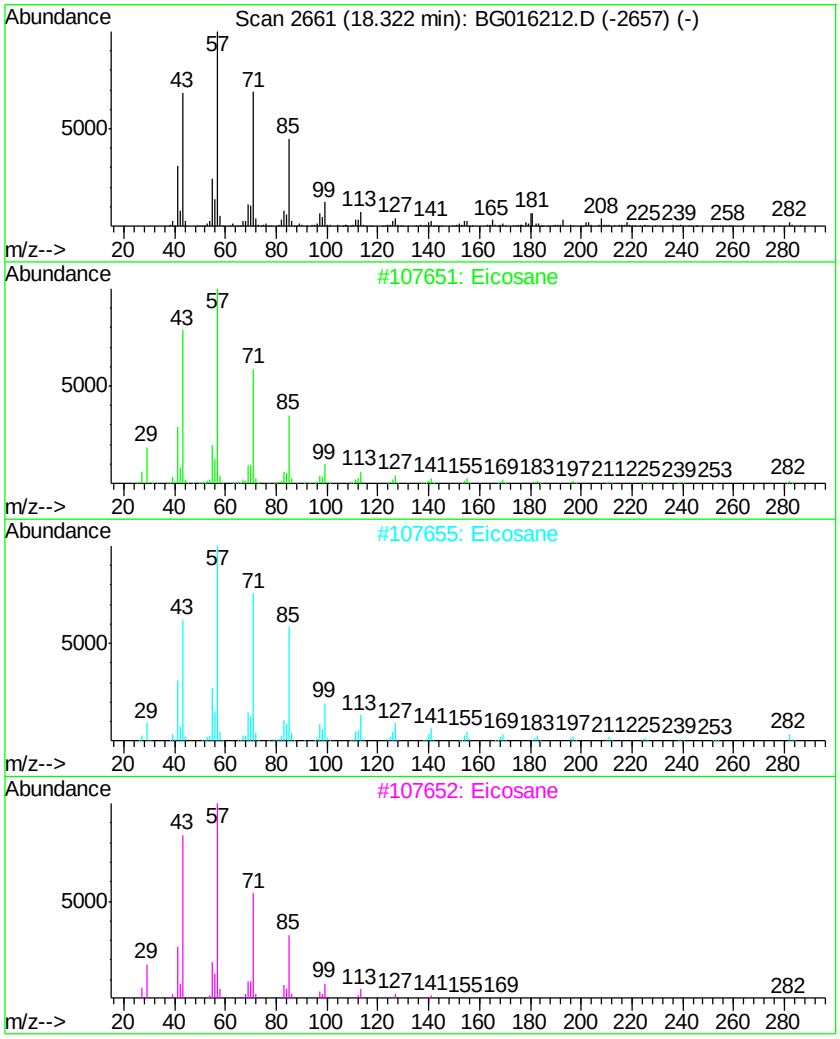
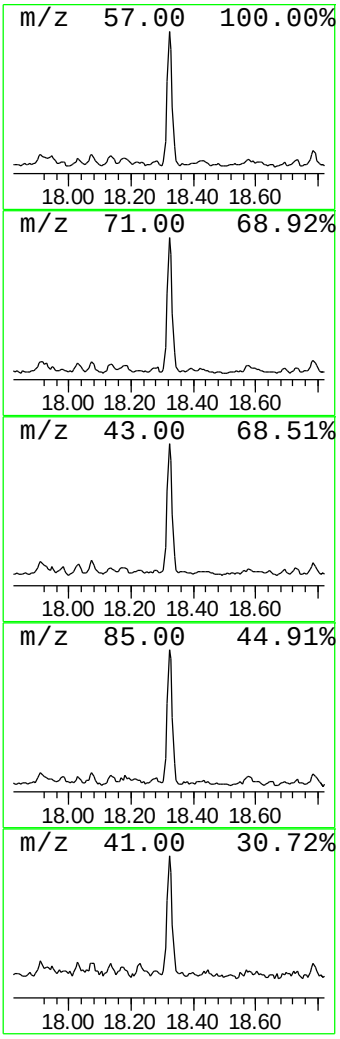
Peak Number 35 (DEL) Alkane: Straight-Chain Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	9.08 ng/ul	496749	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Eicosane	282	C20H42	000112-95-8	96
3	Eicosane	282	C20H42	000112-95-8	91
4	Pentadecane	212	C15H32	000629-62-9	83
5	Pentadecane	212	C15H32	000629-62-9	83





Library Search Compound Report

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ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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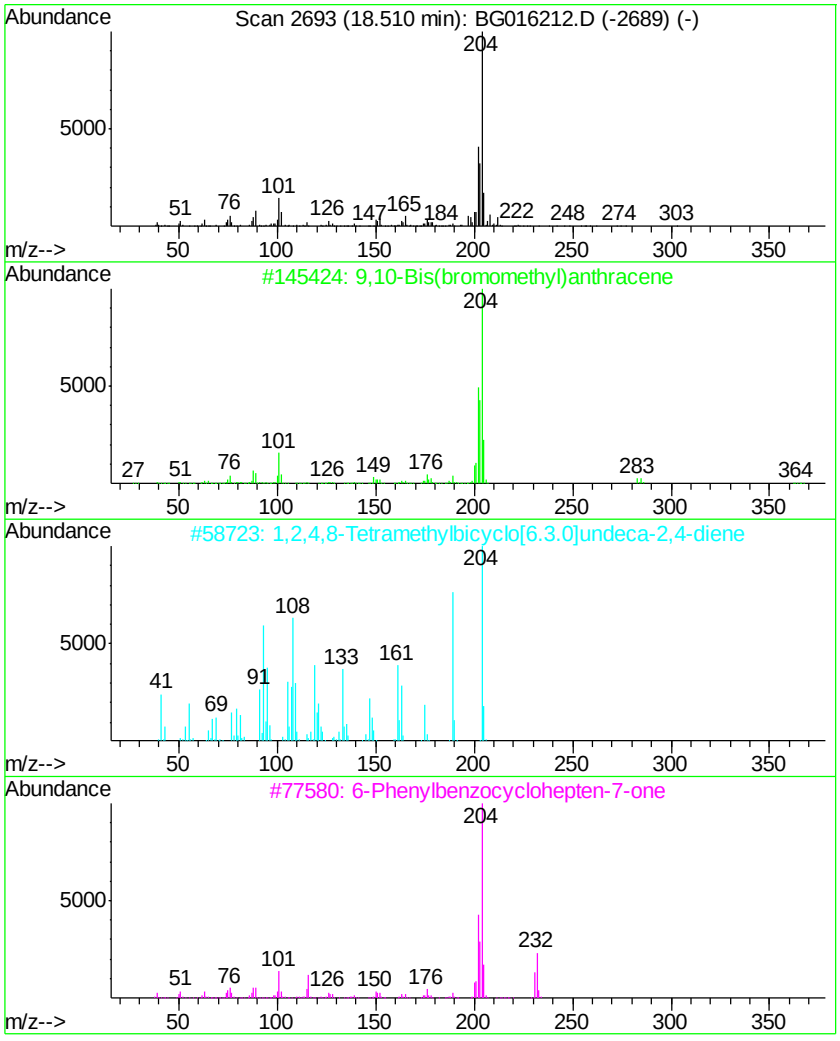
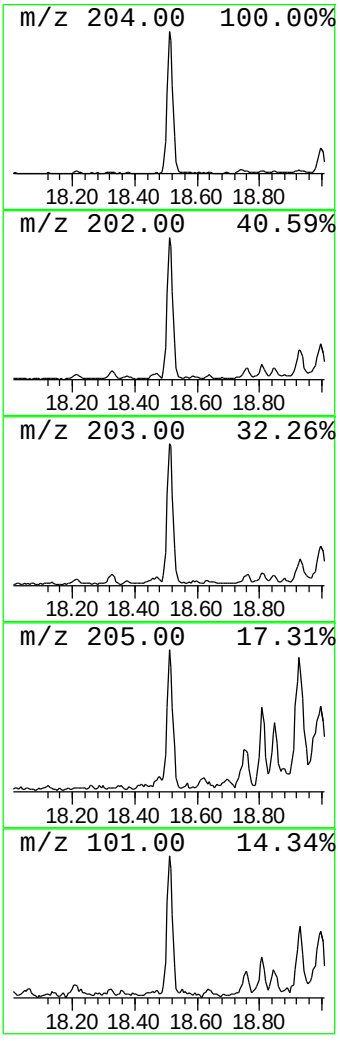
Peak Number 36 9,10-Bis(bromomethyl)anthra... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.07 ng/ul	386720	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80





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Quant Title : SVOA CALIBRATION

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

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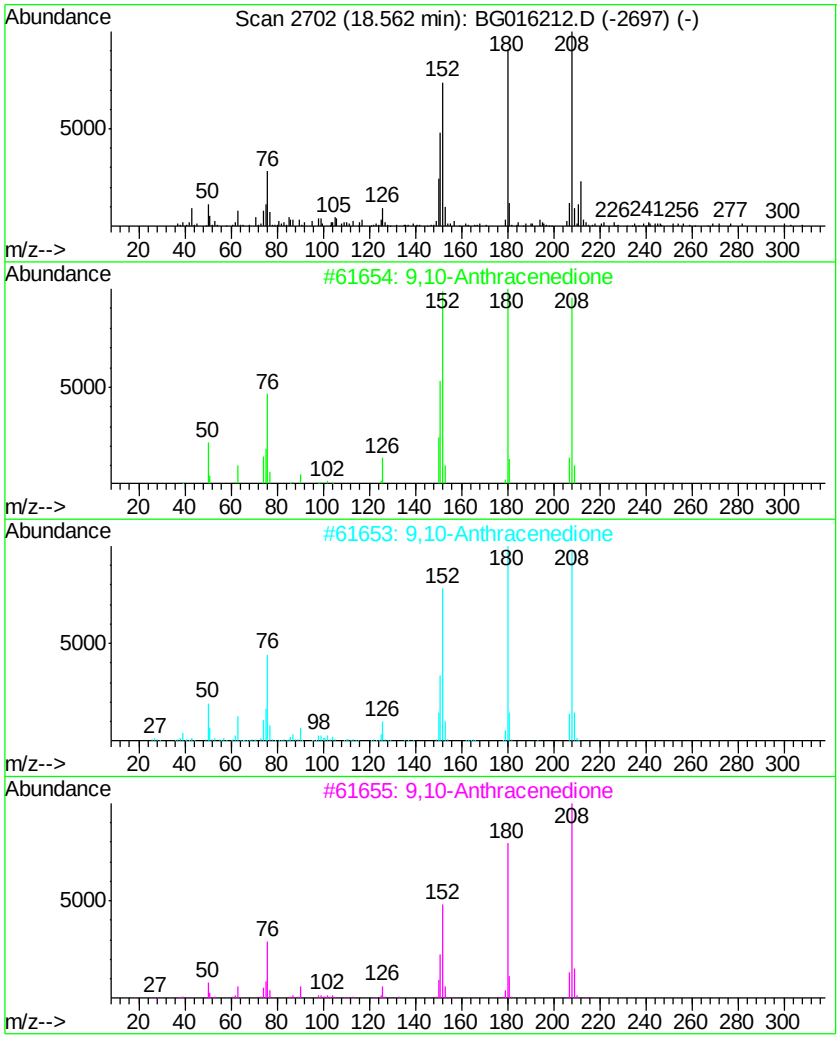
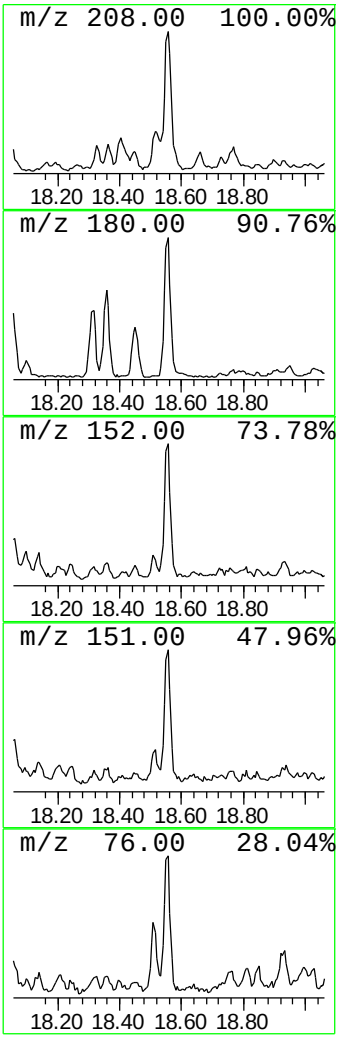
Peak Number 37 9,10-Anthracenedione Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.20 ng/ul	229654	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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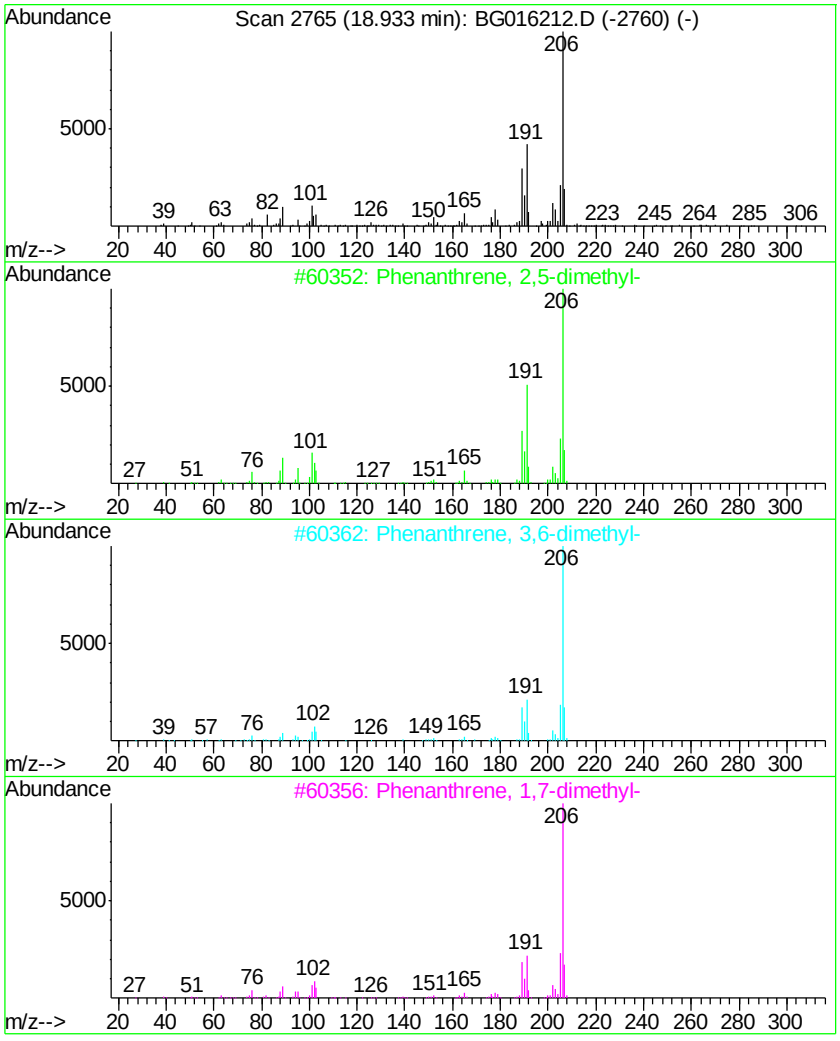
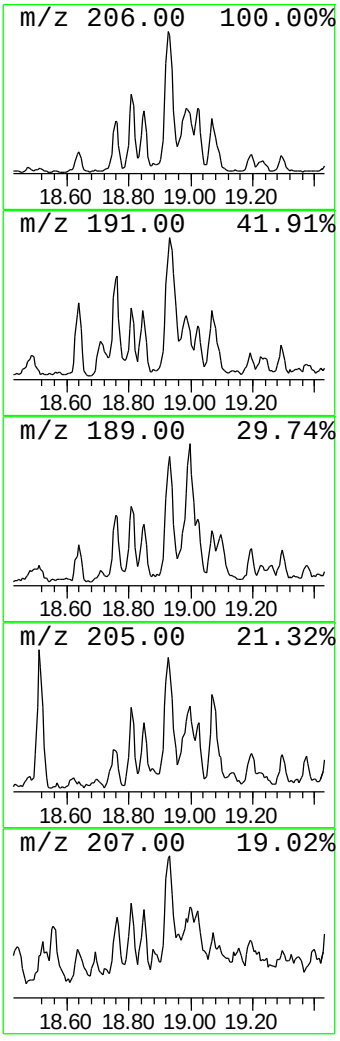
Peak Number 38 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	5.62 ng/ul	307193	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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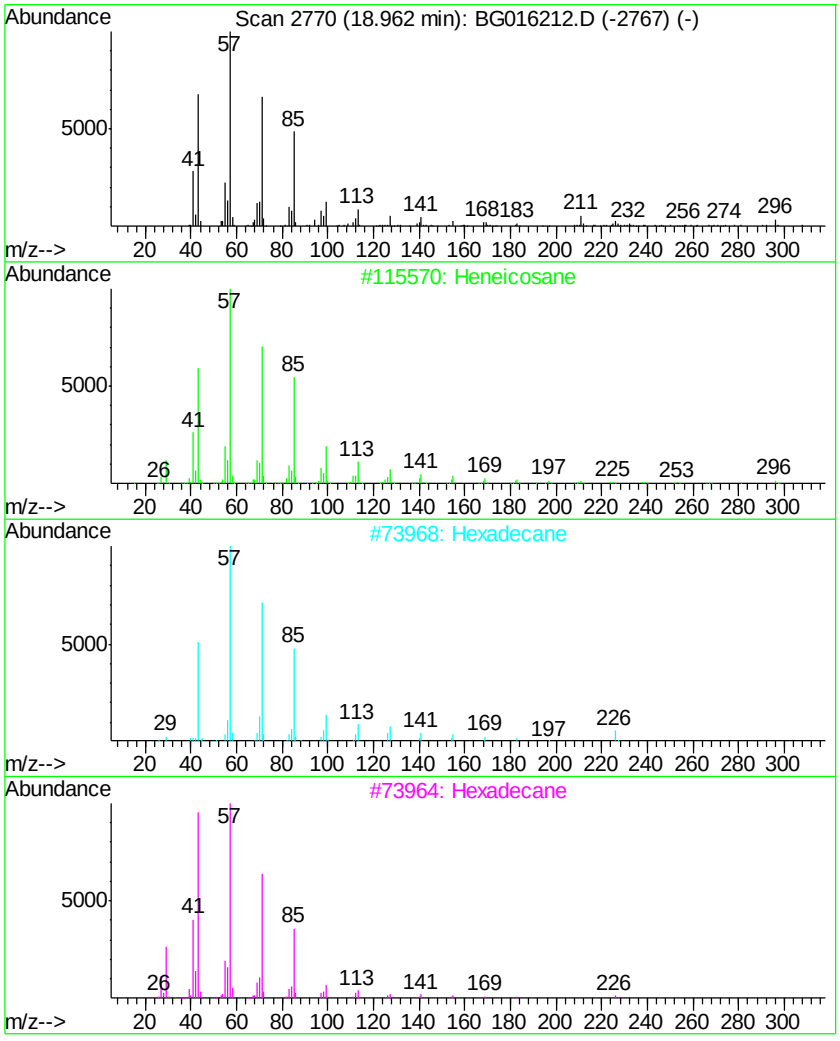
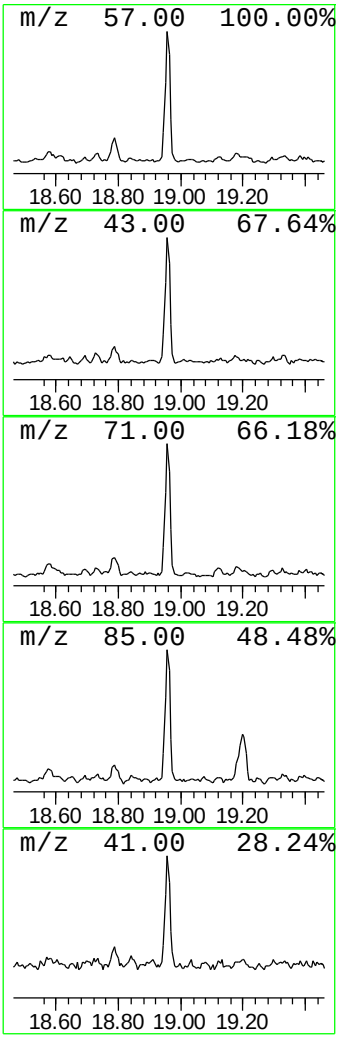
Peak Number 39 (DEL) Alkane: Straight-Chain Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.04 ng/ul	220777	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Hexadecane	226	C16H34	000544-76-3	96
3	Hexadecane	226	C16H34	000544-76-3	93
4	Pentadecane	212	C15H32	000629-62-9	91
5	Tetradecane	198	C14H30	000629-59-4	91





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Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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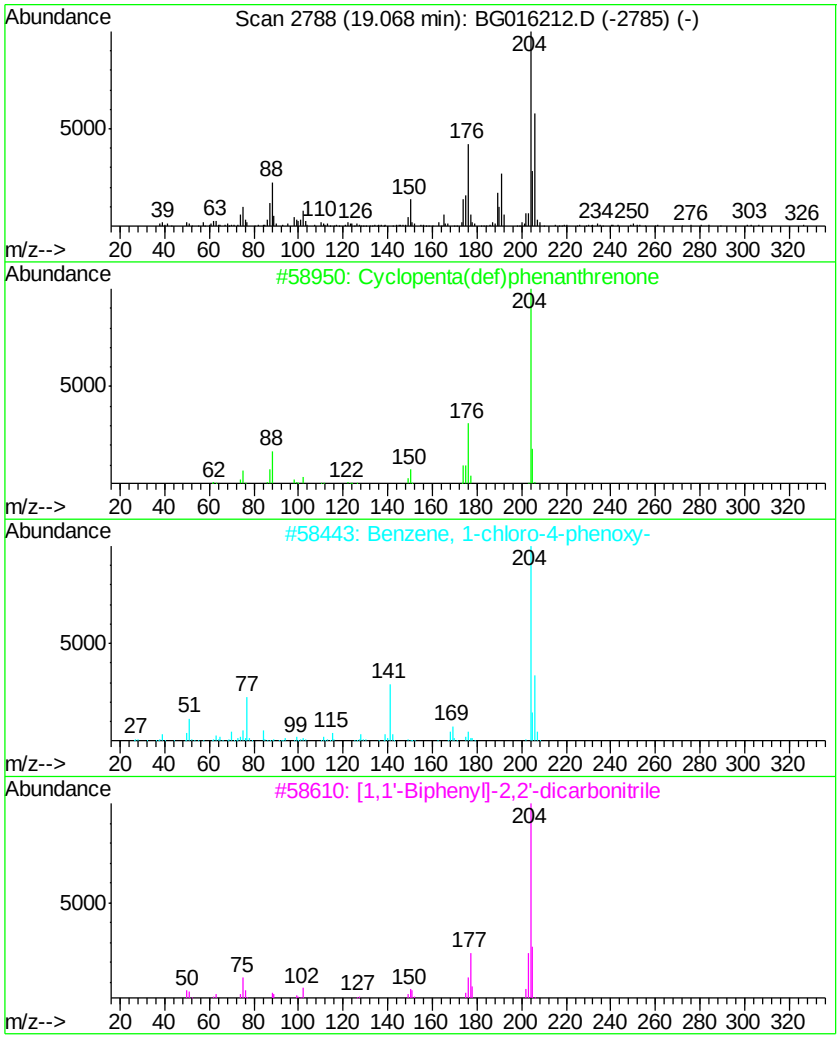
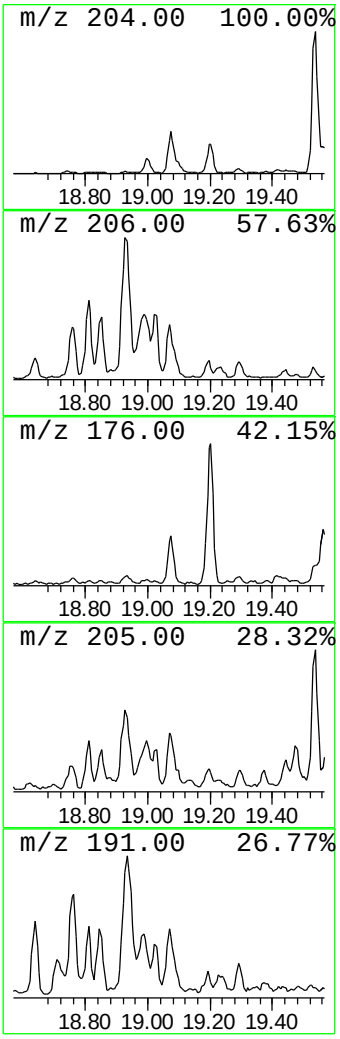
Peak Number 40 Cyclopenta(def)phenanthrenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	5.02 ng/ul	274680	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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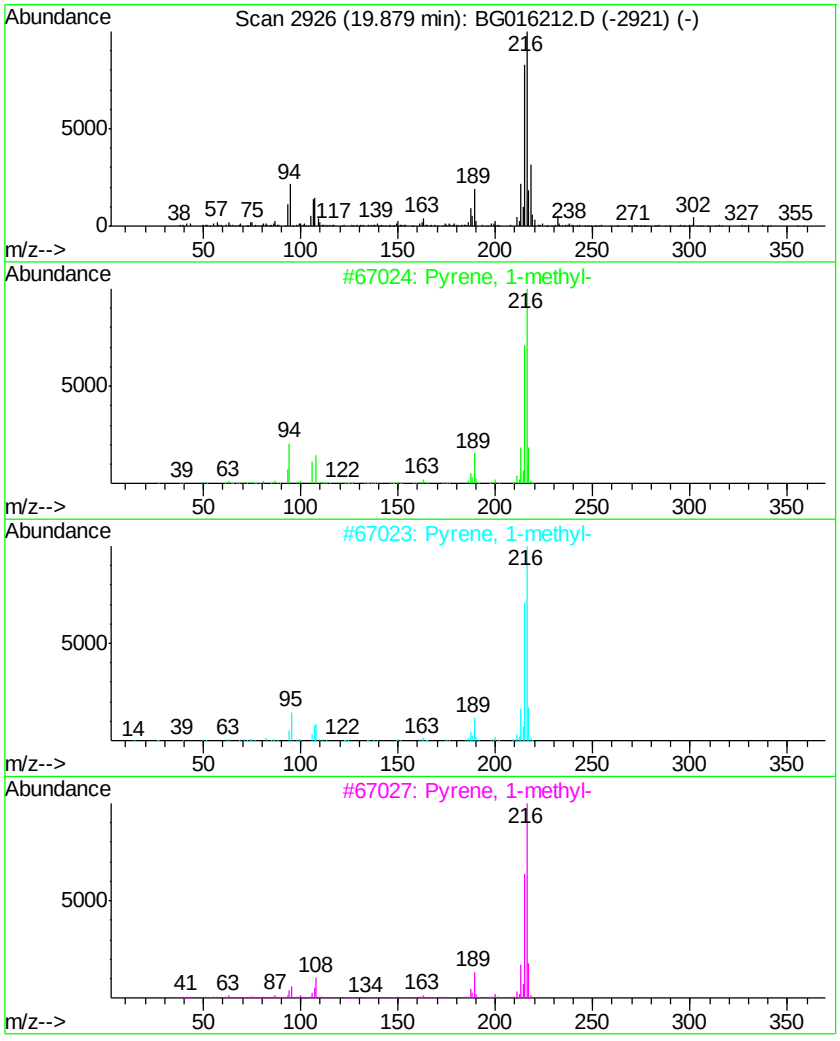
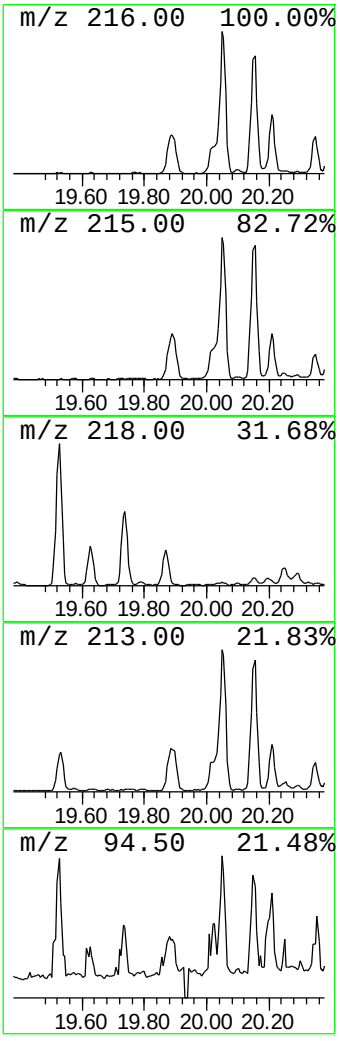
Peak Number 41 Pyrene, 1-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.35 ng/ul	569697	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81





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ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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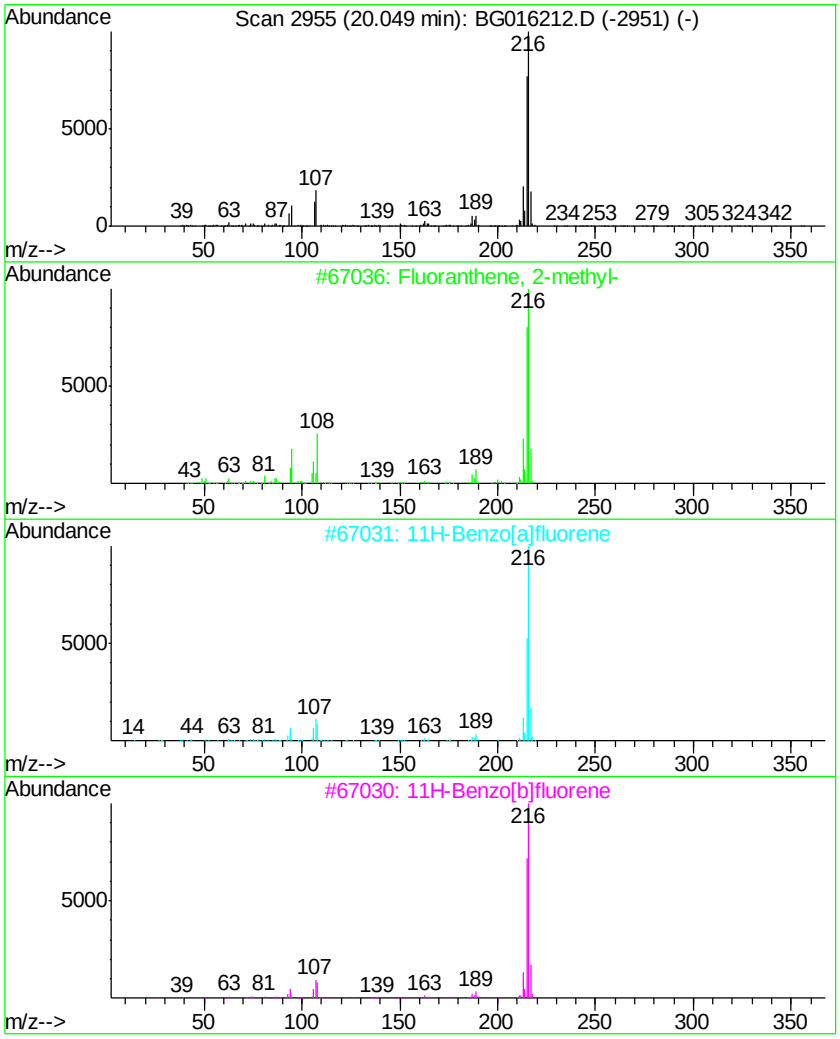
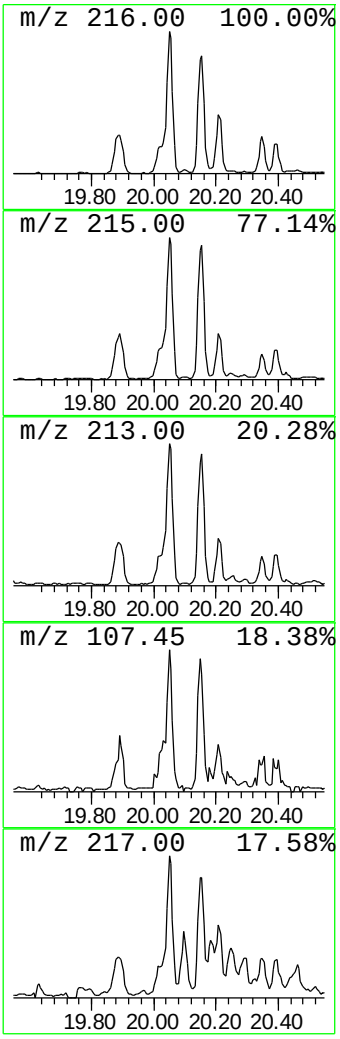
Peak Number 42 Fluoranthene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.41 ng/ul	1069920	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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Quant Title : SVOA CALIBRATION

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

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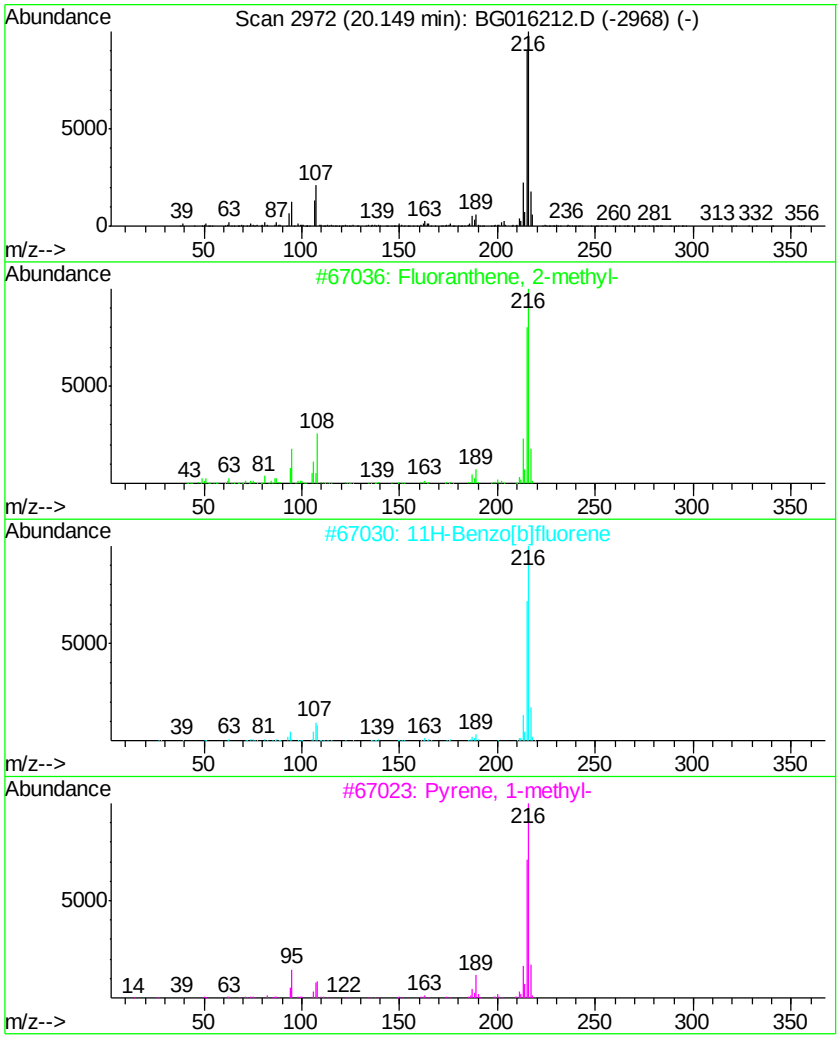
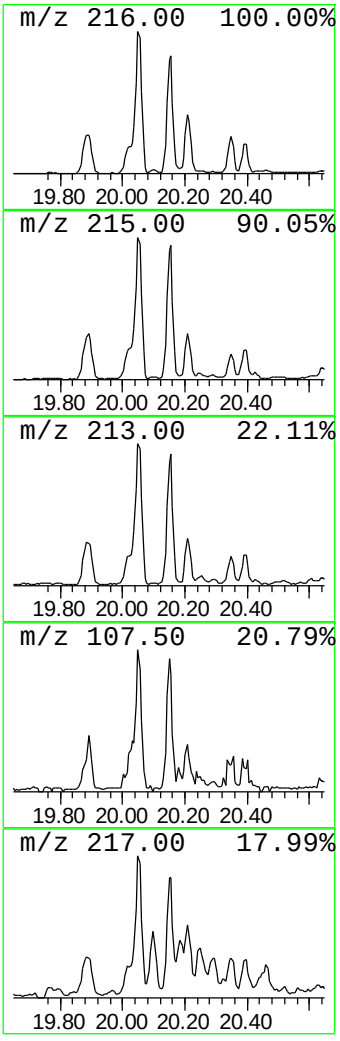
Peak Number 43 11H-Benzo[b]fluorene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	3.30 ng/ul	800726	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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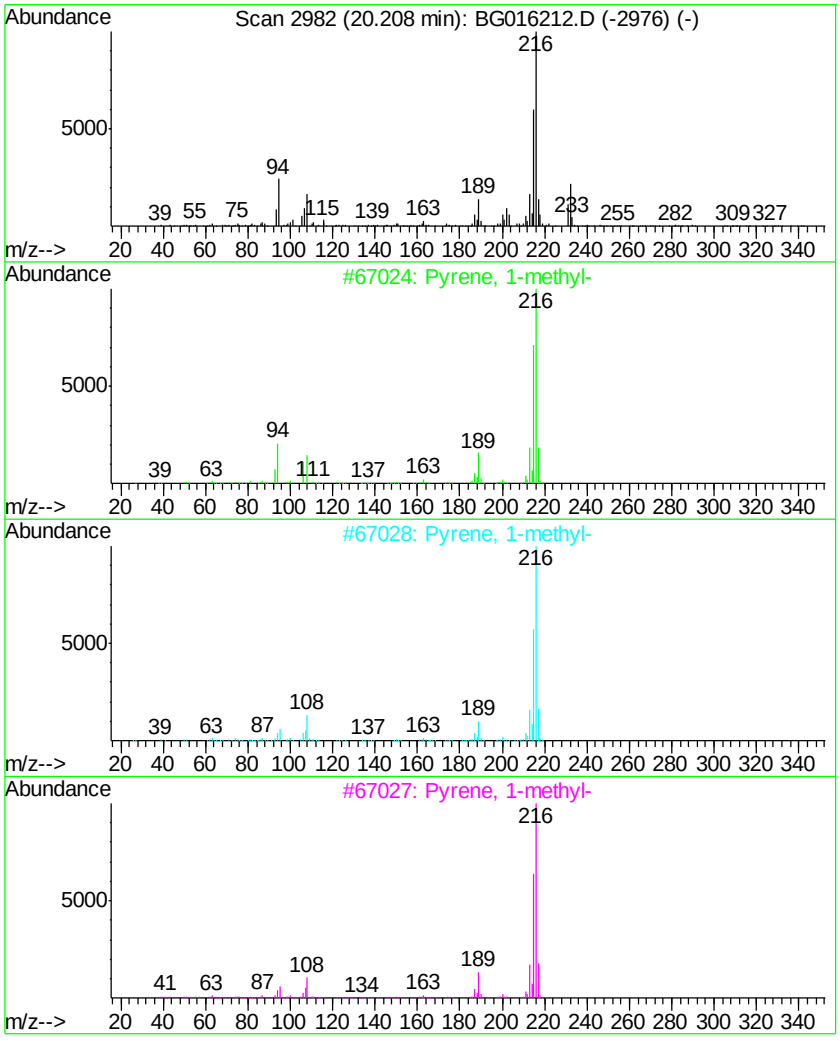
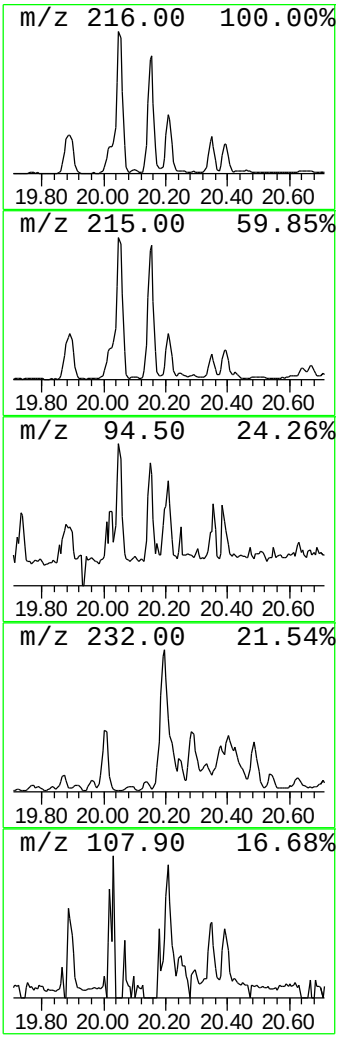
Peak Number 44 Pyrene, 2-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.17 ng/ul	527853	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

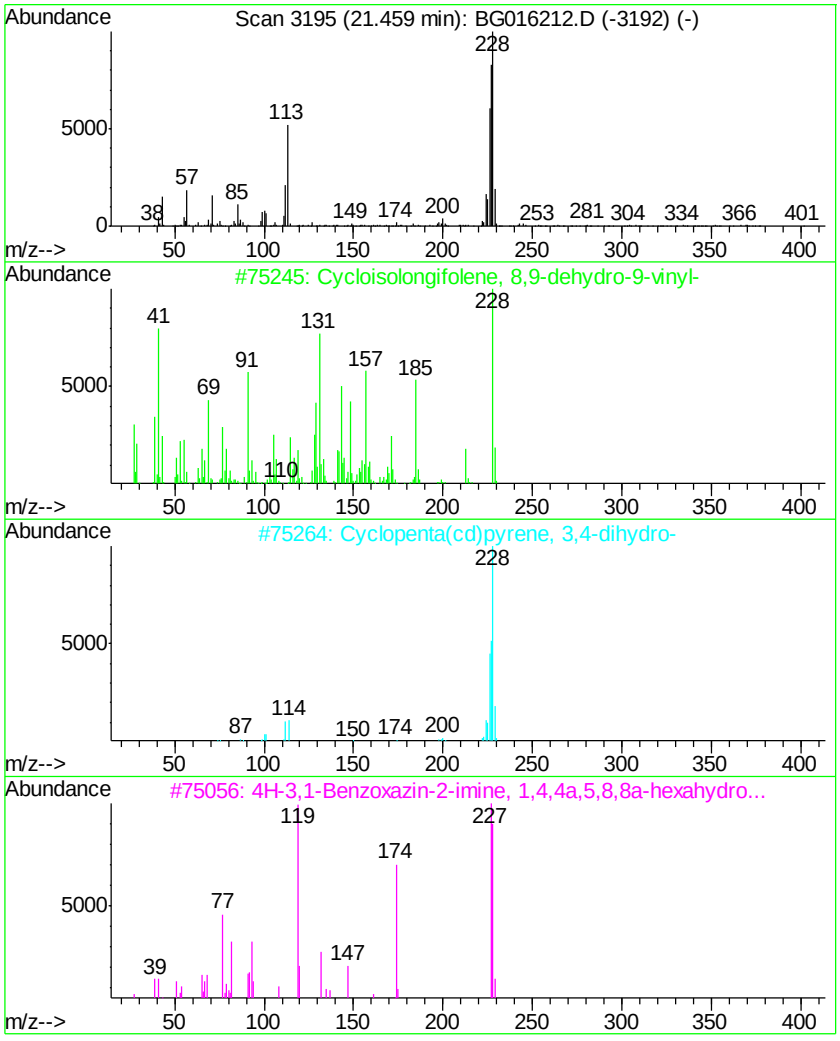
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

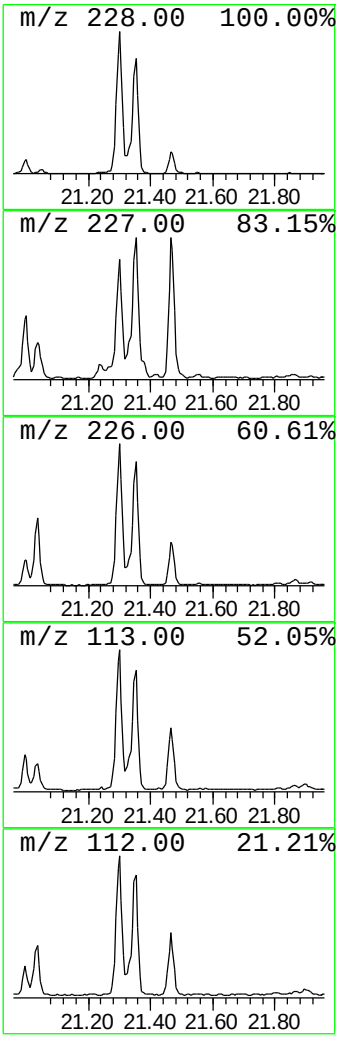
****

Peak Number 45 Cycloisolongifolene, 8,9-de... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.88 ng/ul	698550	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	59
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
3	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016212.D
Acq On : 31 Mar 2015 22:22
Operator : TP/IZ
Sample : G1647-07 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.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
Butane, 2-methoxy...	2.98	7.9	ng/ul	201660	1	7.77	510284	20.0
(DEL) Alkane: Str...	11.98	6.3	ng/ul	267862	2	10.55	845789	20.0
(DEL) Alkane: Str...	12.93	3.0	ng/ul	192922	3	14.40	1267430	20.0
Naphthalene, 2,6-...	13.56	7.1	ng/ul	448166	3	14.40	1267430	20.0
Naphthalene, 2,3-...	13.72	8.1	ng/ul	511160	3	14.40	1267430	20.0
(DEL) Alkane: Str...	13.92	2.2	ng/ul	141054	3	14.40	1267430	20.0
Naphthalene, 1,2-...	13.95	3.2	ng/ul	202189	3	14.40	1267430	20.0
(DEL) Alkane: Str...	14.30	13.9	ng/ul	883896	3	14.40	1267430	20.0
unknown-01	14.70	2.8	ng/ul	174245	3	14.40	1267430	20.0
Naphthalene, 1,4,...	14.87	4.1	ng/ul	257630	3	14.40	1267430	20.0
(DEL) Alkane: Str...	14.91	4.9	ng/ul	312283	3	14.40	1267430	20.0
Naphthalene, 1,6,...	15.01	2.8	ng/ul	175612	3	14.40	1267430	20.0
Naphthalene, 2,3,...	15.07	2.3	ng/ul	148128	3	14.40	1267430	20.0
(DEL) Alkane: Str...	15.24	17.3	ng/ul	1094660	3	14.40	1267430	20.0
2,4,6-Cycloheptat...	15.74	6.6	ng/ul	419570	3	14.40	1267430	20.0
(DEL) Alkane: Str...	15.80	3.9	ng/ul	215372	4	17.14	1093840	20.0
Dibenzofuran, 4-m...	15.88	11.0	ng/ul	602066	4	17.14	1093840	20.0
Benzene, (4,5,5-t...	15.95	3.8	ng/ul	207976	4	17.14	1093840	20.0
(DEL) Alkane: Str...	16.11	31.4	ng/ul	1717980	4	17.14	1093840	20.0
3-Methyl-4-(metho...	16.45	3.8	ng/ul	205622	4	17.14	1093840	20.0
Cyclohexane, octyl-	16.71	2.7	ng/ul	146040	4	17.14	1093840	20.0
9,10-Phenanthrene...	16.79	4.8	ng/ul	260932	4	17.14	1093840	20.0
(DEL) Alkane: Str...	16.89	17.0	ng/ul	930546	4	17.14	1093840	20.0
Dibenzothiophene	16.95	17.7	ng/ul	970006	4	17.14	1093840	20.0
Acridine	17.32	3.9	ng/ul	210681	4	17.14	1093840	20.0
(DEL) Alkane: Str...	17.63	15.5	ng/ul	850109	4	17.14	1093840	20.0
Dibenzothiophene,...	17.72	4.0	ng/ul	217400	4	17.14	1093840	20.0
Anthracene, 9-met...	18.01	9.1	ng/ul	495261	4	17.14	1093840	20.0
Phenanthrene, 2-m...	18.06	17.1	ng/ul	933564	4	17.14	1093840	20.0
Anthracene, 2-met...	18.14	7.9	ng/ul	431656	4	17.14	1093840	20.0
4H-Cyclopenta[def...	18.21	22.5	ng/ul	1230210	4	17.14	1093840	20.0
(DEL) Alkane: Str...	18.32	9.1	ng/ul	496749	4	17.14	1093840	20.0
9,10-Bis(bromomet...	18.51	7.1	ng/ul	386720	4	17.14	1093840	20.0
9,10-Anthracenedione	18.56	4.2	ng/ul	229654	4	17.14	1093840	20.0
Phenanthrene, 2,5...	18.93	5.6	ng/ul	307193	4	17.14	1093840	20.0
(DEL) Alkane: Str...	18.96	4.0	ng/ul	220777	4	17.14	1093840	20.0
Cyclopenta(def)ph...	19.07	5.0	ng/ul	274680	4	17.14	1093840	20.0
Pyrene, 1-methyl-	19.88	2.4	ng/ul	569697	5	21.32	4856980	20.0
Fluoranthene, 2-m...	20.05	4.4	ng/ul	1069920	5	21.32	4856980	20.0
11H-Benzo[b]fluorene	20.15	3.3	ng/ul	800726	5	21.32	4856980	20.0
Pyrene, 2-methyl-	20.21	2.2	ng/ul	527853	5	21.32	4856980	20.0
Cycloisolongifole...	21.46	2.9	ng/ul	698550	5	21.32	4856980	20.0