LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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	7.213	557	566	578	rVB	938575	1598131	2.97%	0.359%
2	8.159	721	727	735	rVV	484759	864183	1.61%	0.194%
3	8.729	815	824	831	rVB	539939	941554	1.75%	0.212%
4	8.900	845	853	864	rVB	1566188	2799510	5.21%	0.629%
5	9.064	873	881	888	rVV	1597640	2977870	5.54%	0.669%
6	9.622	965	976	983	rVV3	265892	625434	1.16%	0.141%
7	9.998	1026	1040	1046	rBV	462635	1088806	2.03%	0.245%
8	10.568	1131	1137	1148	rVB	356552	684466	1.27%	0.154%
9	10.727	1148	1164	1175	rBV5	669665	2168805	4.04%	0.487%
10	10.833	1175	1182	1198	rVB2	238346	699521	1.30%	0.157%
11	11.455	1263	1288	1294	rVV	12894566	53719669	100.00%	12.071%
12	11.538	1294	1302	1312	rVV	2294812	4403688	8.20%	0.990%
13	12.989	1535	1549	1556	rBV	9934784	24489627	45.59%	5.503%
14	13.083	1556	1565	1572	rBV	379913	794126	1.48%	0.178%
15	13.195	1572	1584	1590	rVB	6525881	13221281	24.61%	2.971%
16	13.947	1706	1712	1724	rVB	3763879	6319547	11.76%	1.420%
17	14.141	1739	1745	1756	rVB	1316185	2604321	4.85%	0.585%
18	14.287	1756	1770	1777	rBV	2359754	6399704	11.91%	1.438%
19	14.434	1787	1795	1799	rVV	2809190	5819749	10.83%	1.308%
20	14.487	1799	1804	1811	rVV	2212419	3599886	6.70%	0.809%
21	14.663	1827	1834	1838	rBV	1239457	2165533	4.03%	0.487%
22	14.828	1851	1862	1870	rVV2	1028434	1904187	3.54%	0.428%
23	15.075	1895	1904	1908	rBV	1547639	2520291	4.69%	0.566%
24	15.110	1908	1910	1915	rVV2	449702	673820	1.25%	0.151%
25	15.192	1915	1924	1929	rVV	9388418	20092859	37.40%	4.515%
26	15.245	1929	1933	1938	rVV	572322	932530	1.74%	0.210%
27	15.304	1938	1943	1952	rVV	356848	865050	1.61%	0.194%
28	15.416	1952	1962	1970	rVV2	597348	1401175	2.61%	0.315%
29	15.521	1970	1980	1985	rVV	7034700	14833794	27.61%	3.333%
30	15.568	1985	1988	1996	rVB	621772	939041	1.75%	0.211%
31	15.709	2005	2012	2017	rBV2	547730	1012342	1.88%	0.227%
32	15.762	2017	2021	2032	rVB2	530209	894503	1.67%	0.201%
33	15.886	2032	2042	2045	rBV	381037	974806	1.81%	0.219%
34	16.062	2067	2072	2081	rVV5	396953	778867	1.45%	0.175%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

35	16.173	2081	2091	2097	rVB	8584289	18338444	34.14%	4.121%
36	16.250	2097	2104	2106	rBV	579766	985844	1.84%	0.222%
37	16.279	2106	2109	2111	rVV2	707945	1064723	1.98%	0.239%
38	16.320	2111	2116	2120	rVV3	1438831	2657112	4.95%	0.597%
39	16.403	2126	2130	2133	rVV2	781832	1304245	2.43%	0.293%
40	16.444	2133	2137	2144	rVB	1930896	3051690	5.68%	0.686%
41	16.591	2144	2162	2171	rBV	2051816	5058949	9.42%	1.137%
42	16.784	2188	2195	2206	rVB3	449276	1039221	1.93%	0.234%
43	16.943	2217	2222	2227	rVV2	553109	863364	1.61%	0.194%
44	17.155	2245	2258	2263	rVV2	1537509	3319509	6.18%	0.746%
45	17.208	2263	2267	2272	rVV2	488894	842829	1.57%	0.189%
46	17.302	2277	2283	2288	rVB3	538537	1042023	1.94%	0.234%
47	17.372	2288	2295	2299	rBV3	545037	1254105	2.33%	0.282%
48	17.419	2299	2303	2311	rVB2	516300	986639	1.84%	0.222%
49	17.578	2324	2330	2341	rBV3	636194	1524766	2.84%	0.343%
50	17.683	2341	2348	2363	rVB	2633881	4666477	8.69%	1.049%
51	17.948	2370	2393	2398	rBV	13877314	42964267	79.98%	9.654%
52	18.012	2398	2404	2415	rVB	5272553	9237849	17.20%	2.076%
53	18.265	2440	2447	2459	rBV	2515729	4906948	9.13%	1.103%
54	18.441	2470	2477	2490	rVV5	347086	975063	1.82%	0.219%
55	18.729	2510	2526	2530	rBV	2521472	4391081	8.17%	0.987%
56	18.782	2530	2535	2541	rVB	3337564	5455640	10.16%	1.226%
57	18.864	2541	2549	2554	rBV	1382852	2475343	4.61%	0.556%
58	18.935	2554	2561	2571	rVV2	4360474	10290335	19.16%	2.312%
59	19.211	2603	2608	2615	rVV	1872152	2881807	5.36%	0.648%
60	19.452	2639	2649	2653	rBV	444569	819414	1.53%	0.184%
61	19.622	2669	2678	2683	rBV	852152	1723736	3.21%	0.387%
62	19.693	2684	2690	2698	rVB3	514222	1319556	2.46%	0.297%
63	19.922	2718	2729	2737	rBV	11172665	26827021	49.94%	6.028%
64	20.145	2761	2767	2776	rVB2	792507	1539217	2.87%	0.346%
65	20.280	2776	2790	2795	rBV3	9591276	26643343	49.60%	5.987%
66	20.322	2795	2797	2806	rVB2	832833	1125856	2.10%	0.253%
67	20.427	2809	2815	2820	rVB	979883	1479083	2.75%	0.332%
68	20.574	2832	2840	2846	rBV3	1074708	2589341	4.82%	0.582%
69	20.633	2846	2850	2855	rVB	477649	670231	1.25%	0.151%
70	20.745	2855	2869	2878	rVB	2949994	6093937	11.34%	1.369%
71	20.850	2878	2887	2891	rBV	3485952	5707587	10.62%	1.283%

LSC Area Percent Report

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Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

72	20.909	2892	2897	2901	rVV2	954795	2044287	3.81%	0.459%
73	20.944	2901	2903	2907	rVV2	430320	610830	1.14%	0.137%
74	21.062	2917	2923	2927	rVV	538916	1040961	1.94%	0.234%
75	21.109	2927	2931	2942	rVV2	523933	1067355	1.99%	0.240%
76	21.297	2958	2963	2971	rBV3	424516	828279	1.54%	0.186%
77	21.373	2971	2976	2979	rVV2	293555	581704	1.08%	0.131%
78	21.408	2979	2982	2993	rVB4	321961	668329	1.24%	0.150%
79	21.508	2993	2999	3005	rBV	395387	886113	1.65%	0.199%
80	21.773	3034	3044	3048	rBV	899569	1892202	3.52%	0.425%
81	21.820	3048	3052	3057	rVB	696694	1163614	2.17%	0.261%
82	21.873	3057	3061	3066	rBV2	560742	926798	1.73%	0.208%
83	22.078	3086	3096	3103	rBV	293803	804492	1.50%	0.181%
84	22.225	3111	3121	3128	rBV3	4553809	11134338	20.73%	2.502%
85	22.302	3128	3134	3146	rVB	3097739	6636895	12.35%	1.491%
86	22.472	3156	3163	3170	rBV	858403	1740813	3.24%	0.391%
87	22.695	3193	3201	3209	rVV2	548511	1280303	2.38%	0.288%
88	23.054	3253	3262	3269	rVV	438862	1151013	2.14%	0.259%
89	23.300	3298	3304	3310	rVV3	275641	680571	1.27%	0.153%
90	23.371	3310	3316	3320	rVV2	246854	644570	1.20%	0.145%
91	23.424	3320	3325	3333	rVB3	354074	867185	1.61%	0.195%
92	23.518	3333	3341	3357	rVB3	222499	654593	1.22%	0.147%
93	24.740	3535	3549	3556	rBV	1188469	4528058	8.43%	1.017%
94	25.022	3588	3597	3610	rVB	260830	770715	1.43%	0.173%
95	25.557	3677	3688	3703	rVB	516962	1722029	3.21%	0.387%
96	25.733	3705	3718	3733	rBV	879181	2968409	5.53%	0.667%
97	25.897	3733	3746	3754	rBV2	317770	1157424	2.15%	0.260%
98	25.991	3755	3762	3777	rVB2	234301	820705	1.53%	0.184%
99	30.098	4445	4461	4485	rVB4	193274	1263804	2.35%	0.284%
100	31.409	4670	4684	4701	rBV4	101615	573911	1.07%	0.129%

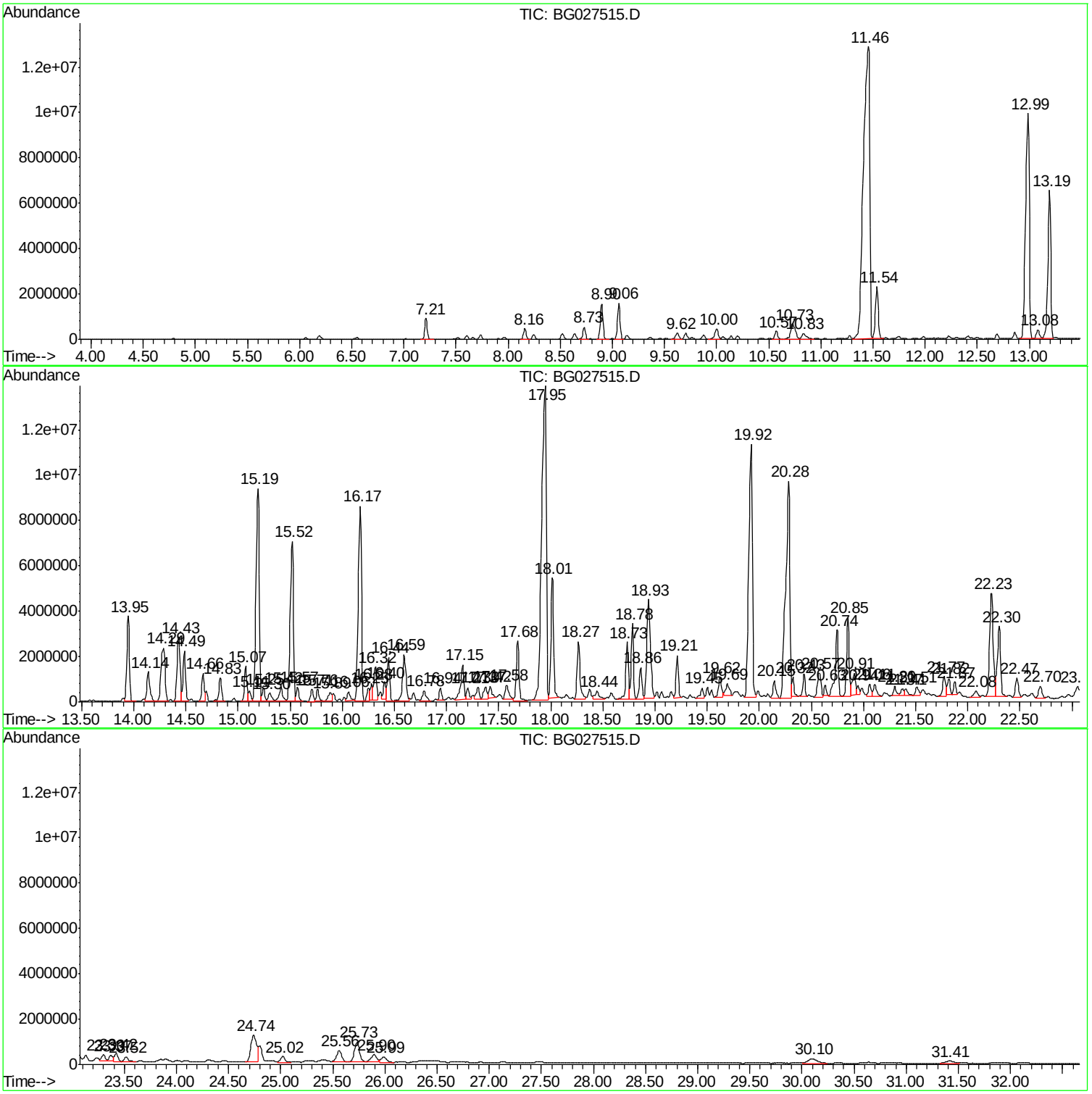
Sum of corrected areas: 445035571

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
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Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

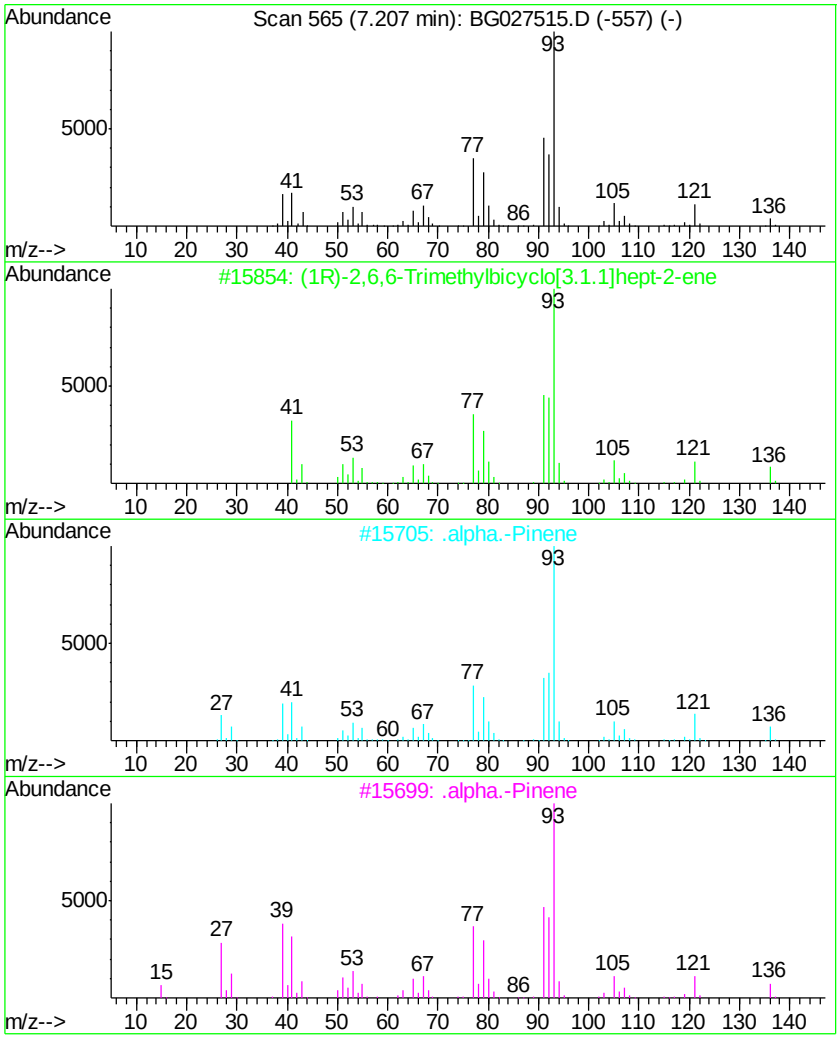
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

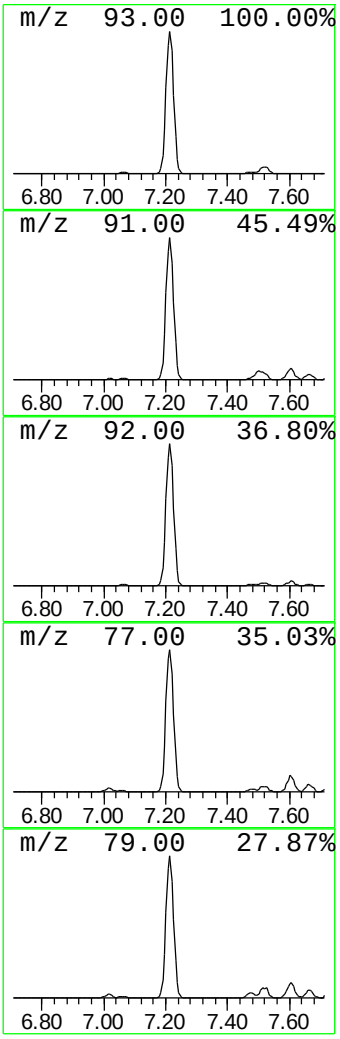
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	33.95 ng/ul	1598130	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	3-Carene	136	C10H16	013466-78-9	91
5	3-Carene	136	C10H16	013466-78-9	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

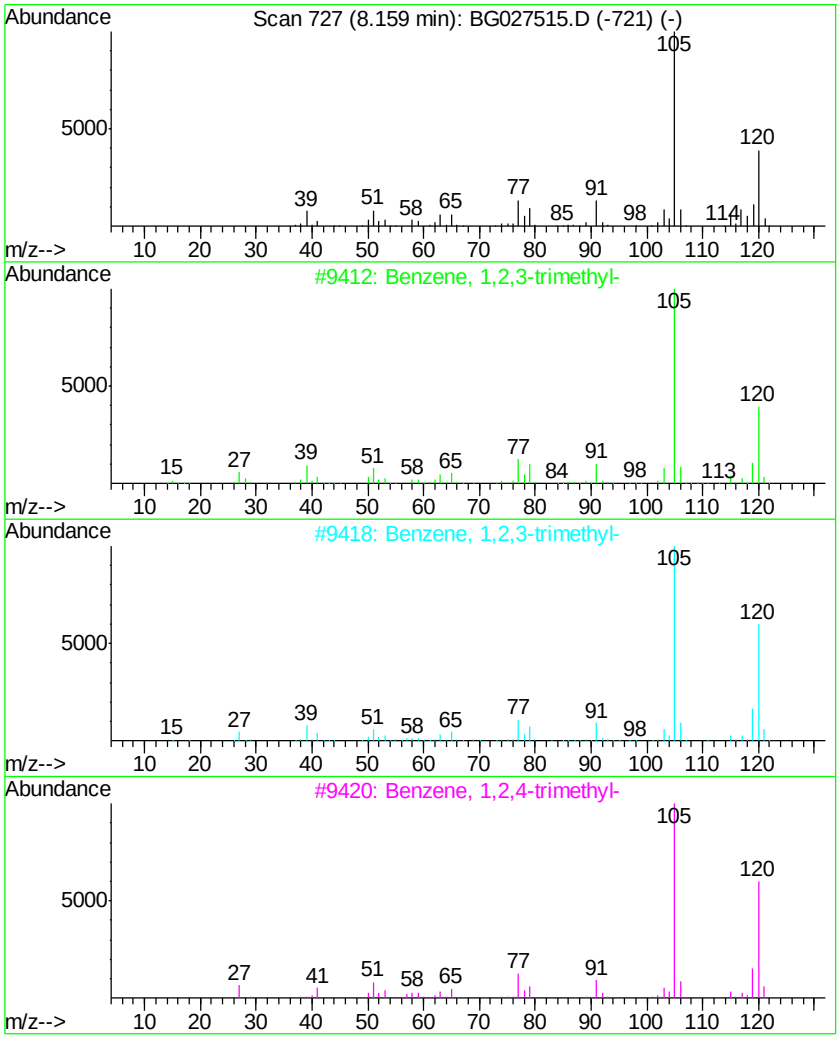
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

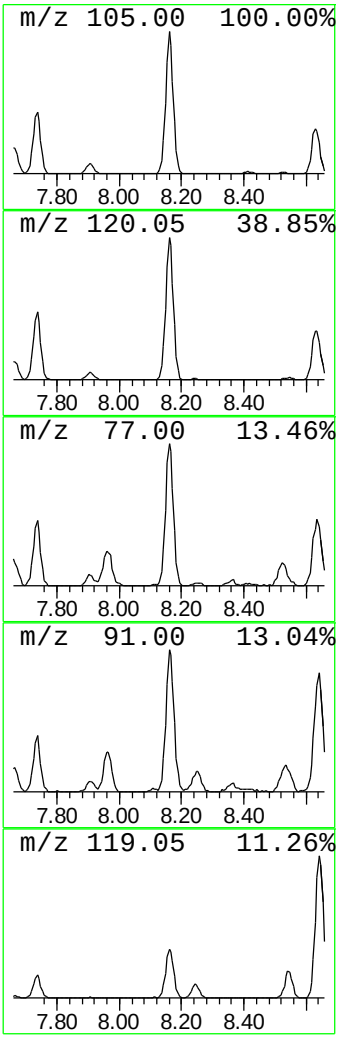
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	18.36 ng/ul	864183	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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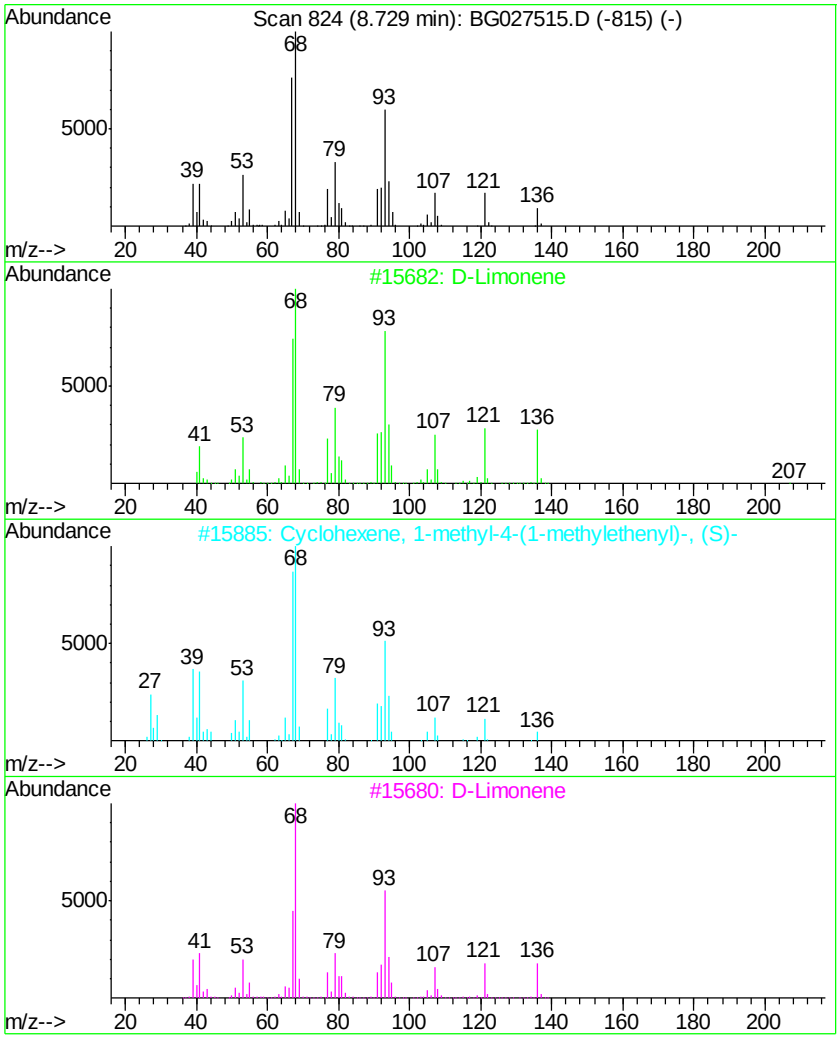
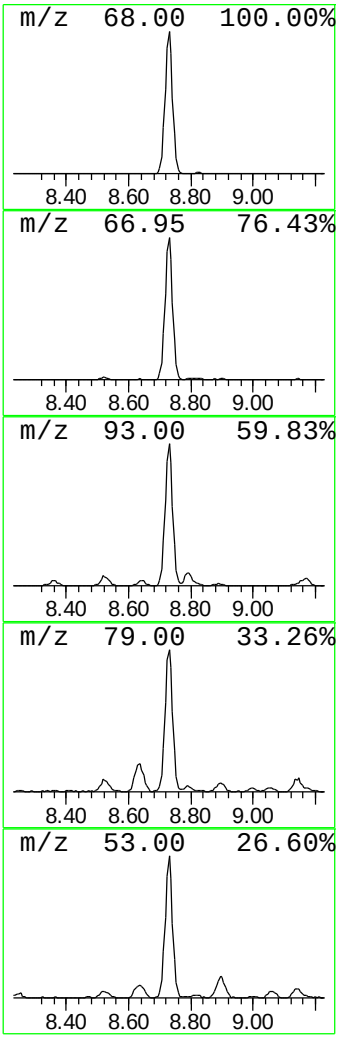
Peak Number 3 D-Limonene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	20.00 ng/ul	941554	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	93
3	D-Limonene	136	C10H16	005989-27-5	91
4	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	90
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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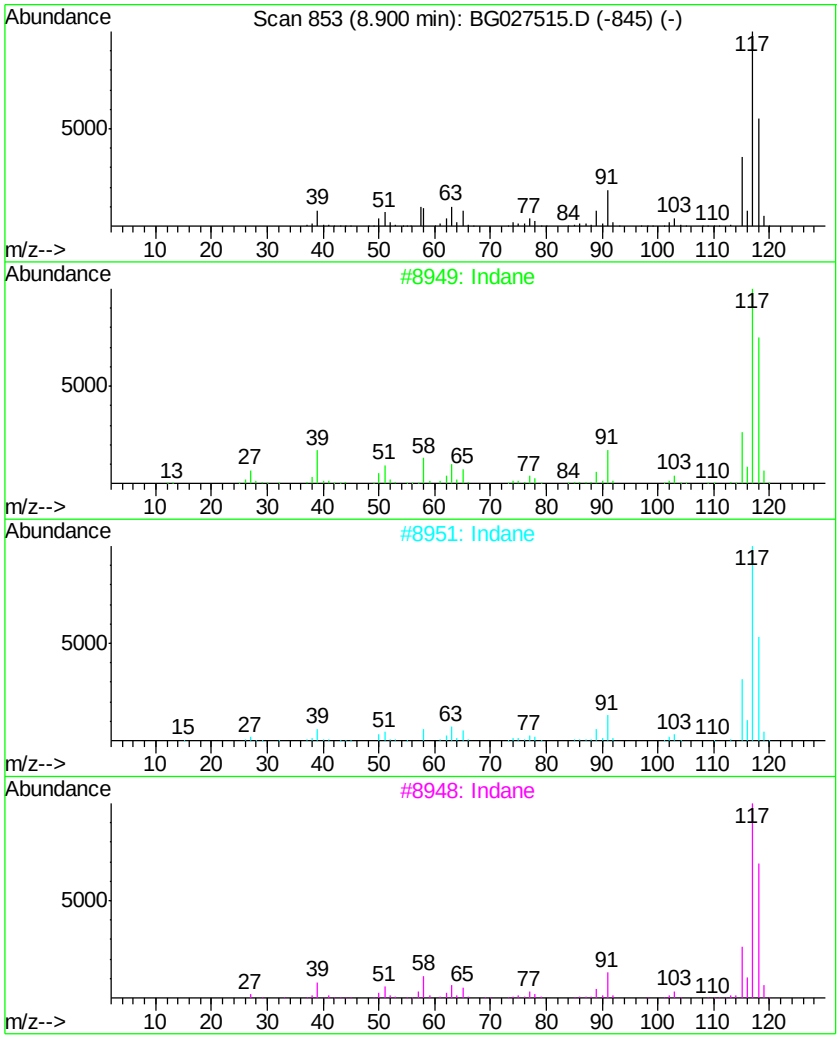
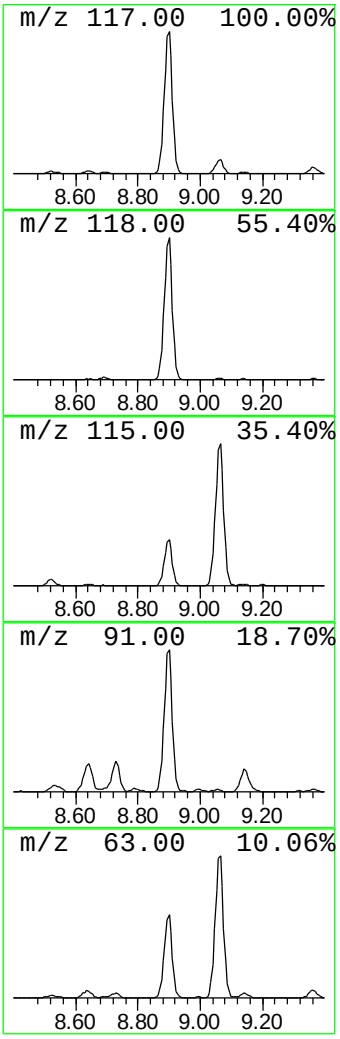
Peak Number 4 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	59.47 ng/ul	2799510	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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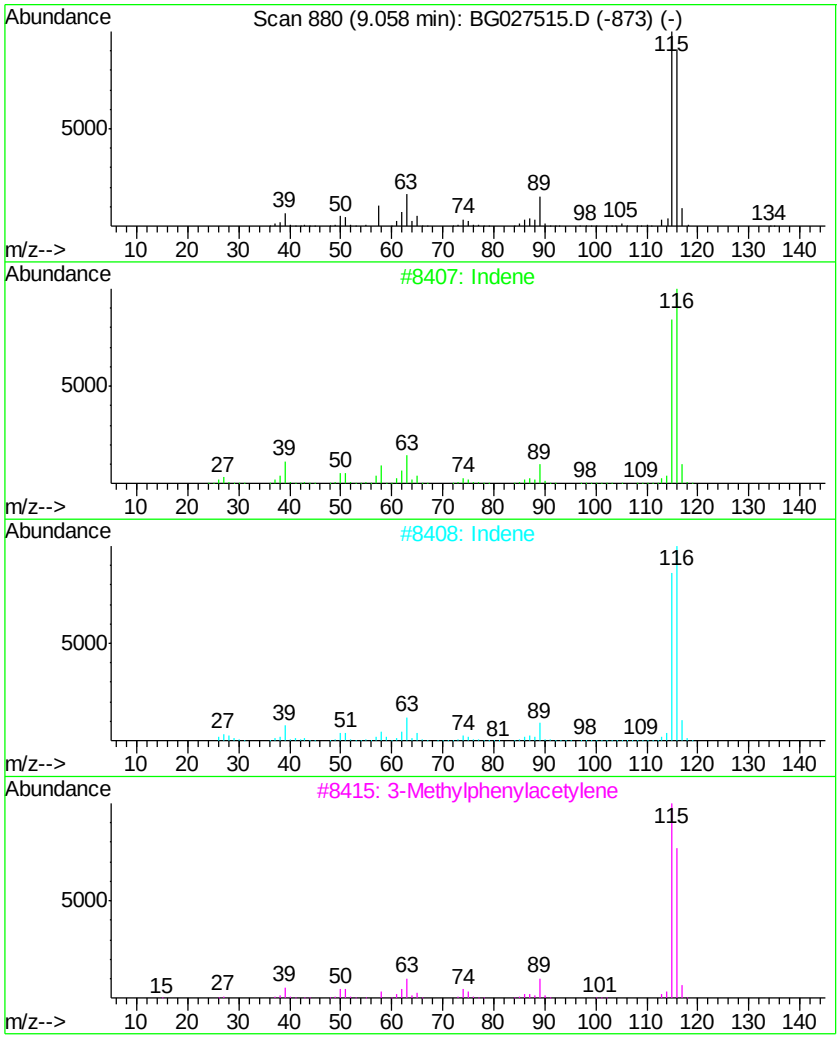
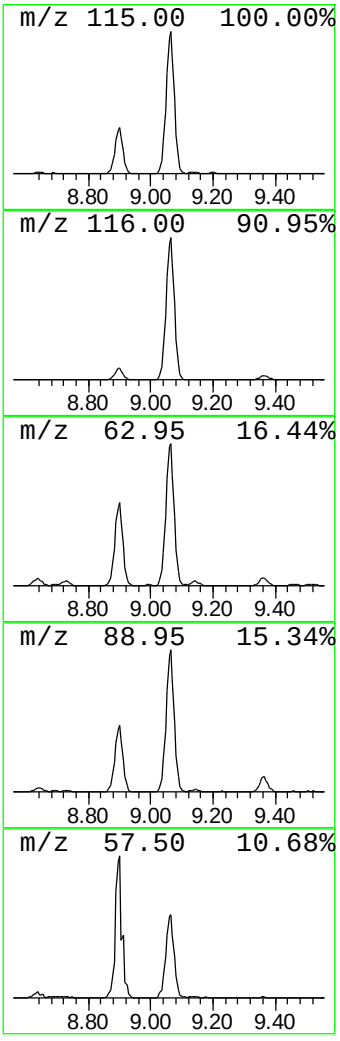
Peak Number 5 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	63.25 ng/ul	2977870	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





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Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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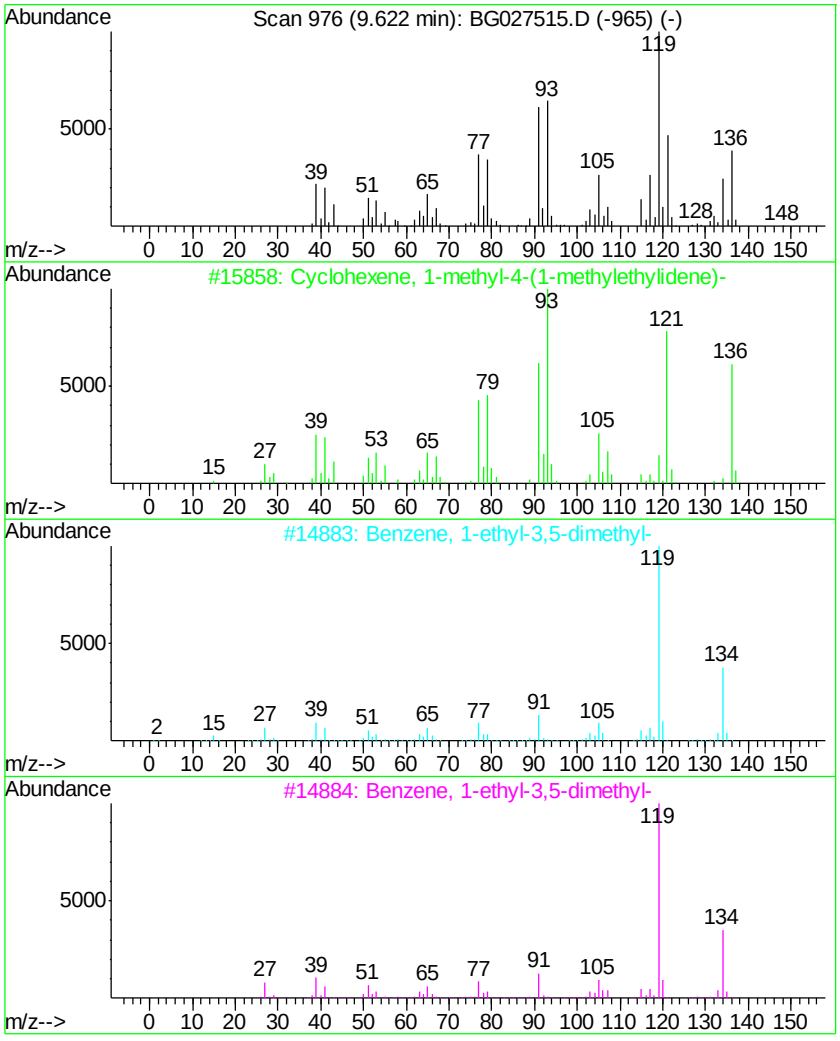
Quant Title : SVOA CALIBRATION

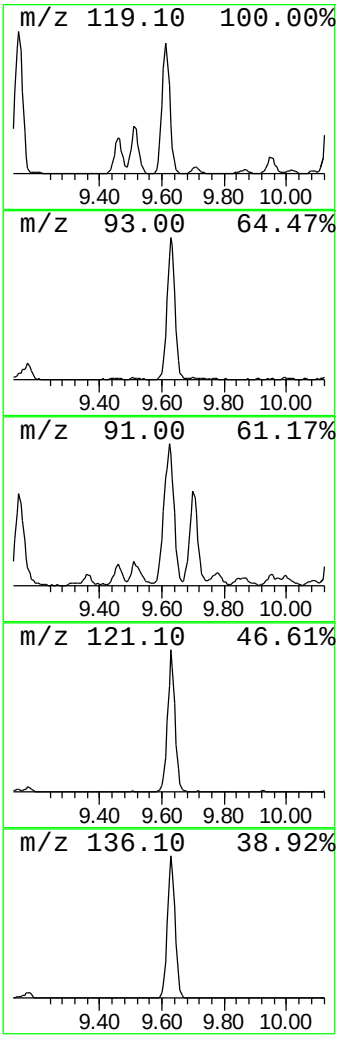
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	13.29 ng/ul	625434	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	83
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

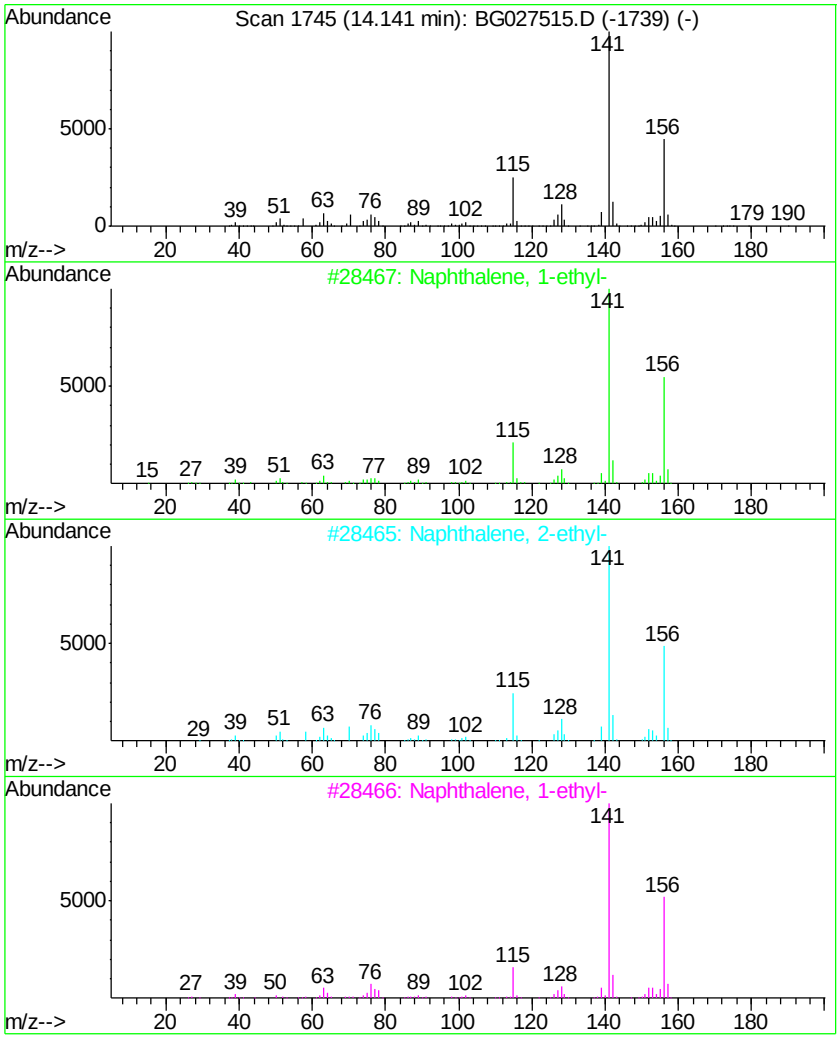
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

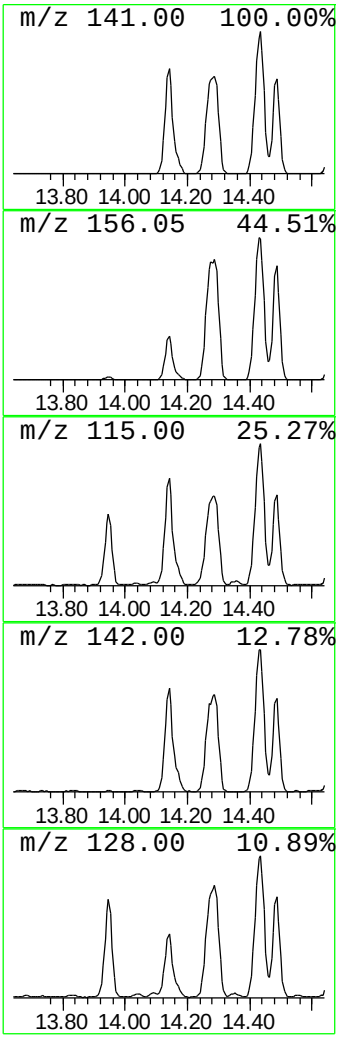
****

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	77.30 ng/ul	2604320	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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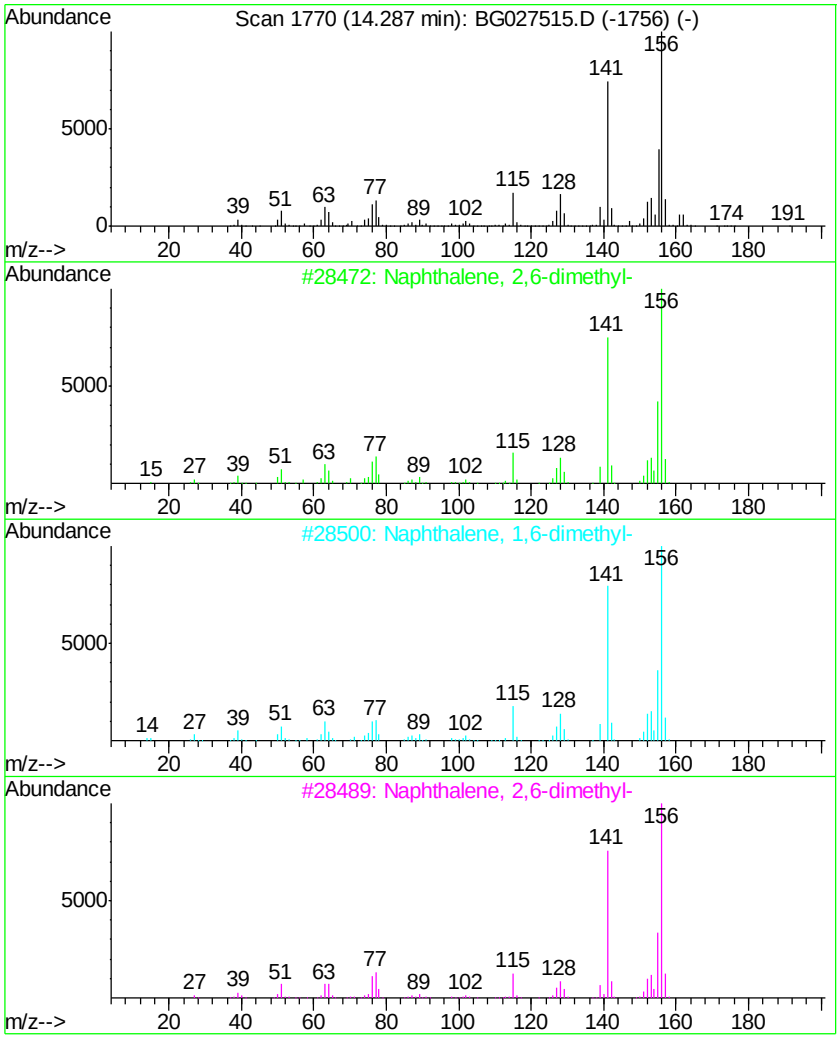
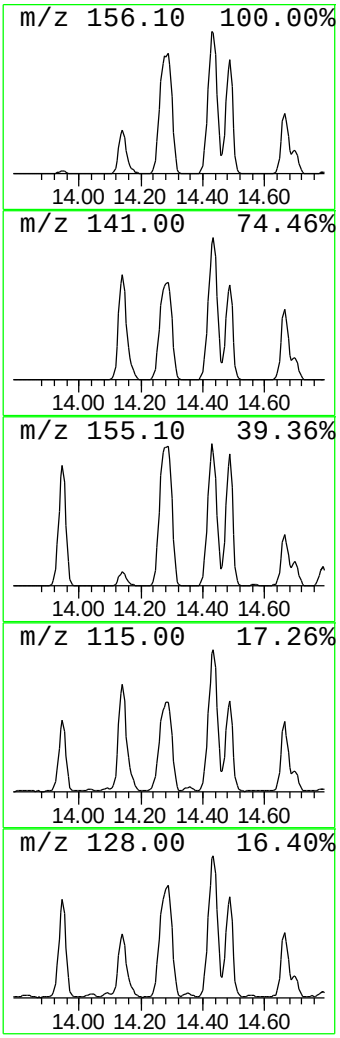
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	189.95 ng/ul	6399700	Acenaphthene-d10	15.11

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	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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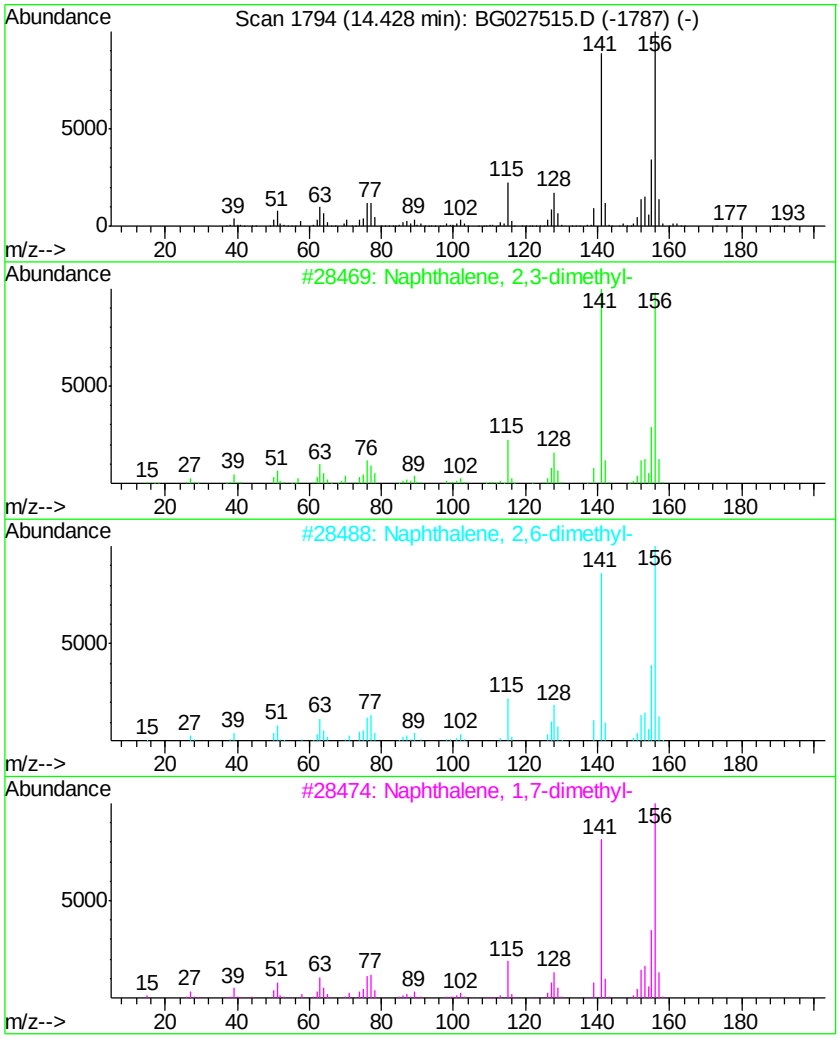
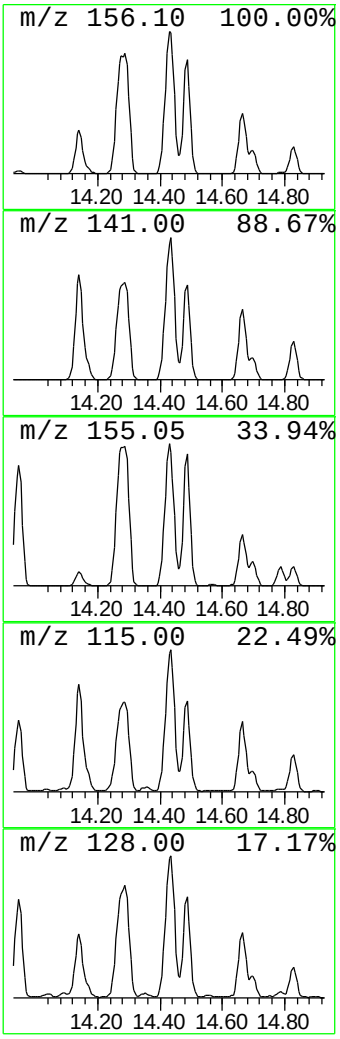
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	172.74 ng/ul	5819750	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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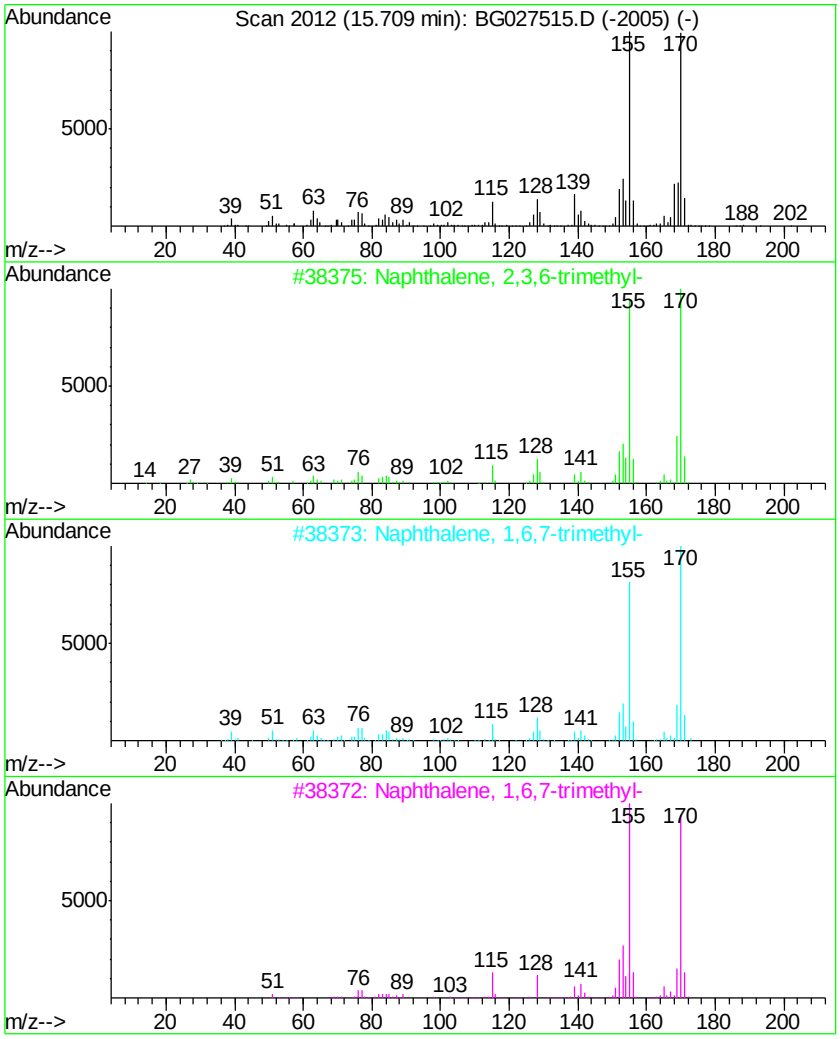
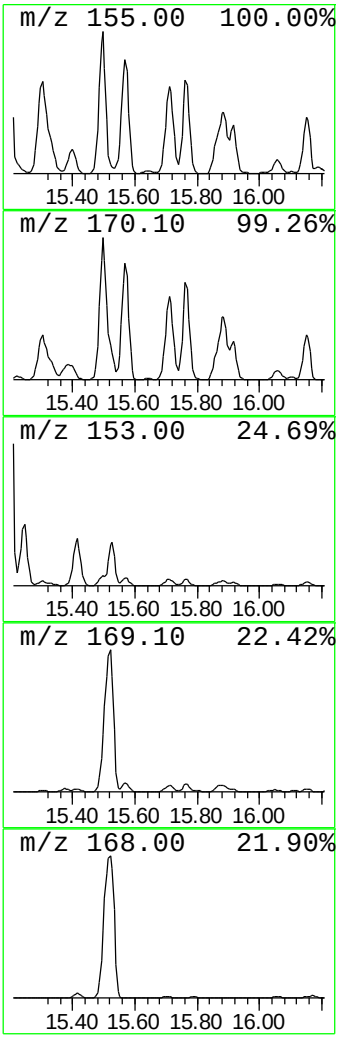
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	30.05 ng/ul	1012340	Acenaphthene-d10	15.11

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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





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Misc :
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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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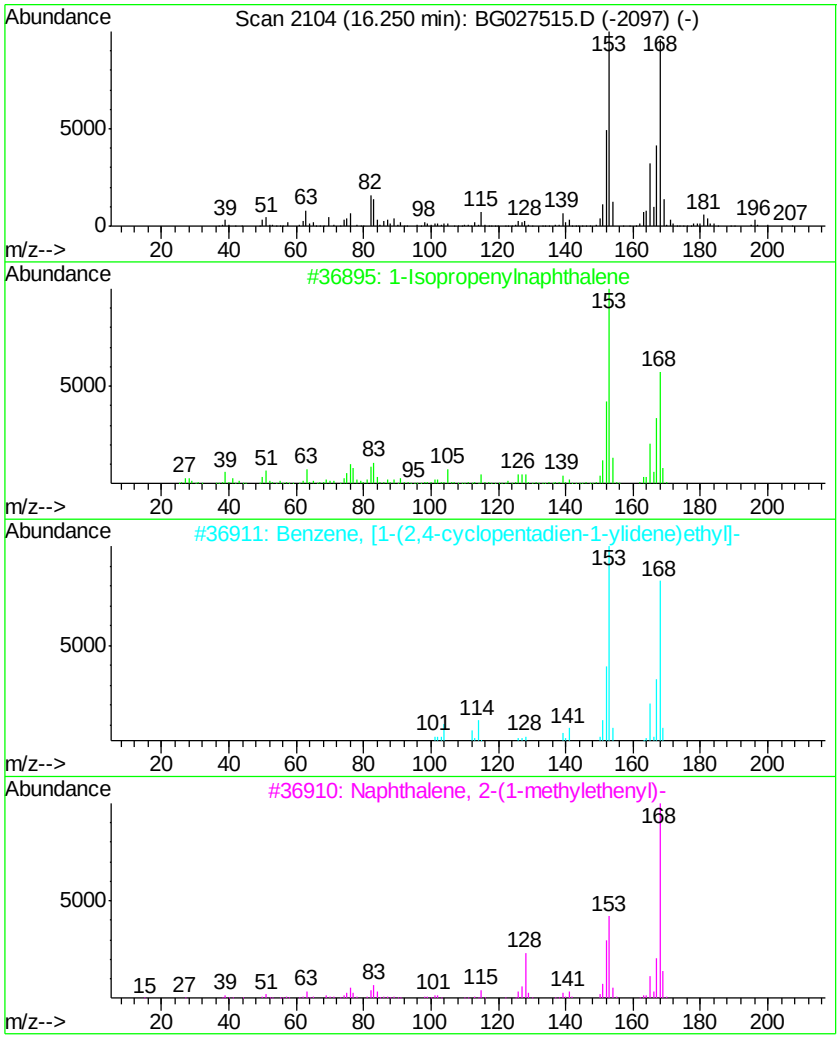
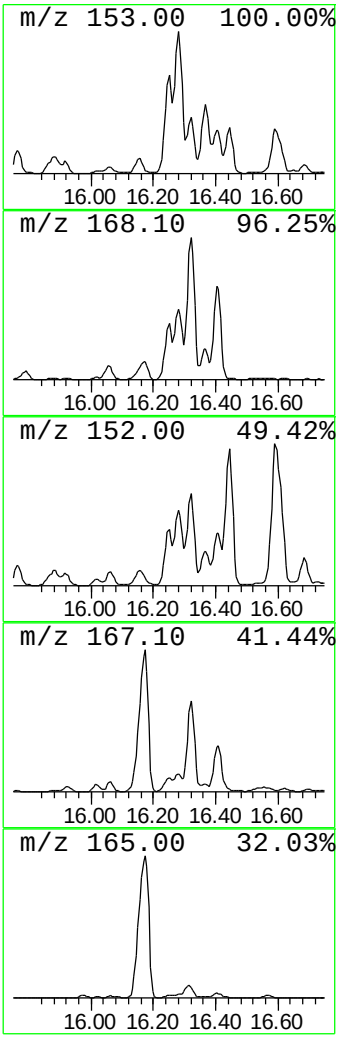
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	29.26 ng/ul	985844	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59





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Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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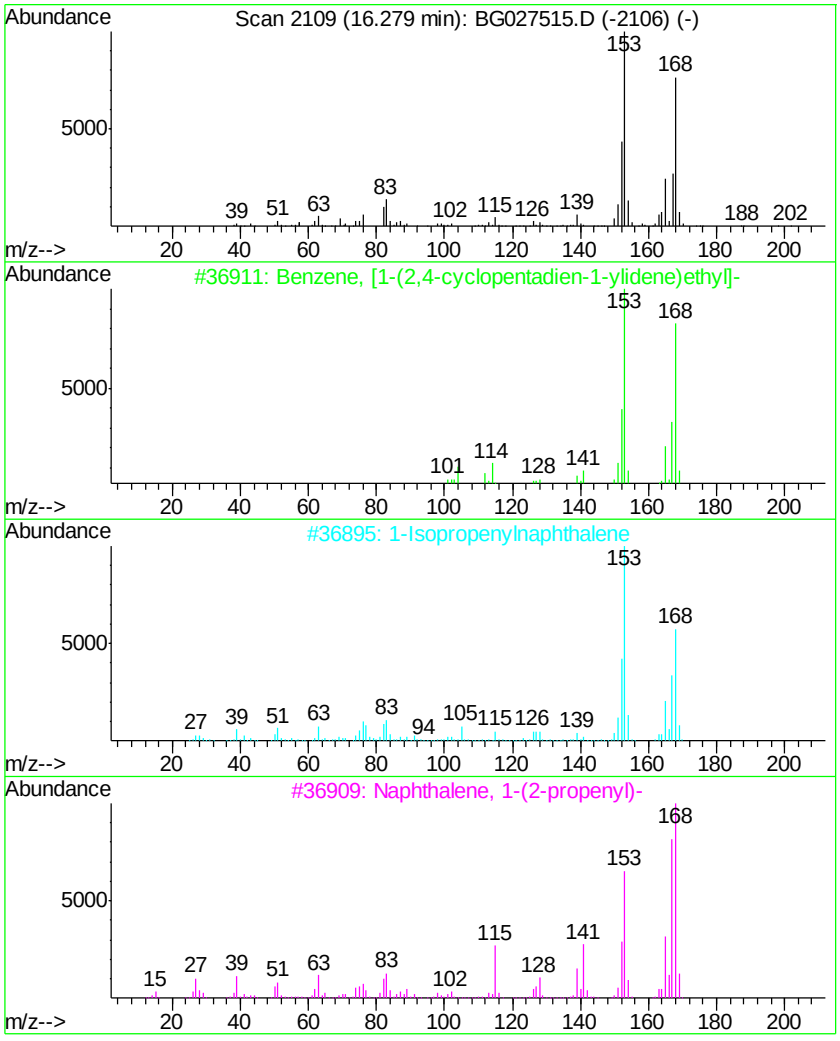
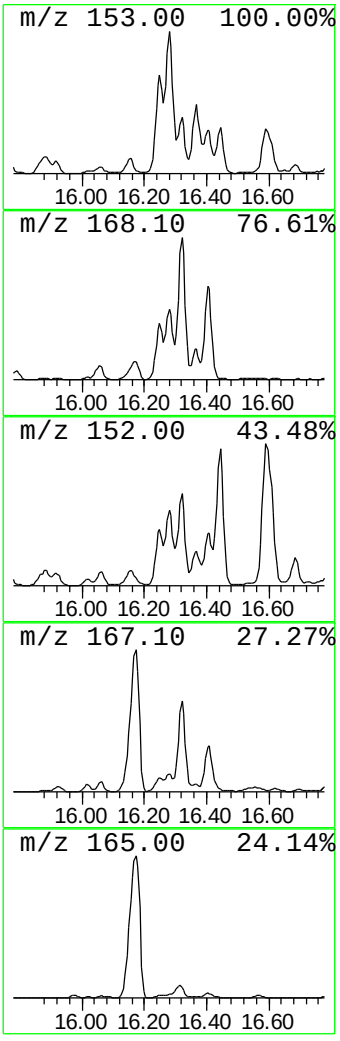
Peak Number 17 Benzene, [1-(2,4-cyclopenta... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	31.60 ng/ul	1064720	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50





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Sample : I3599-09 20X
Misc :
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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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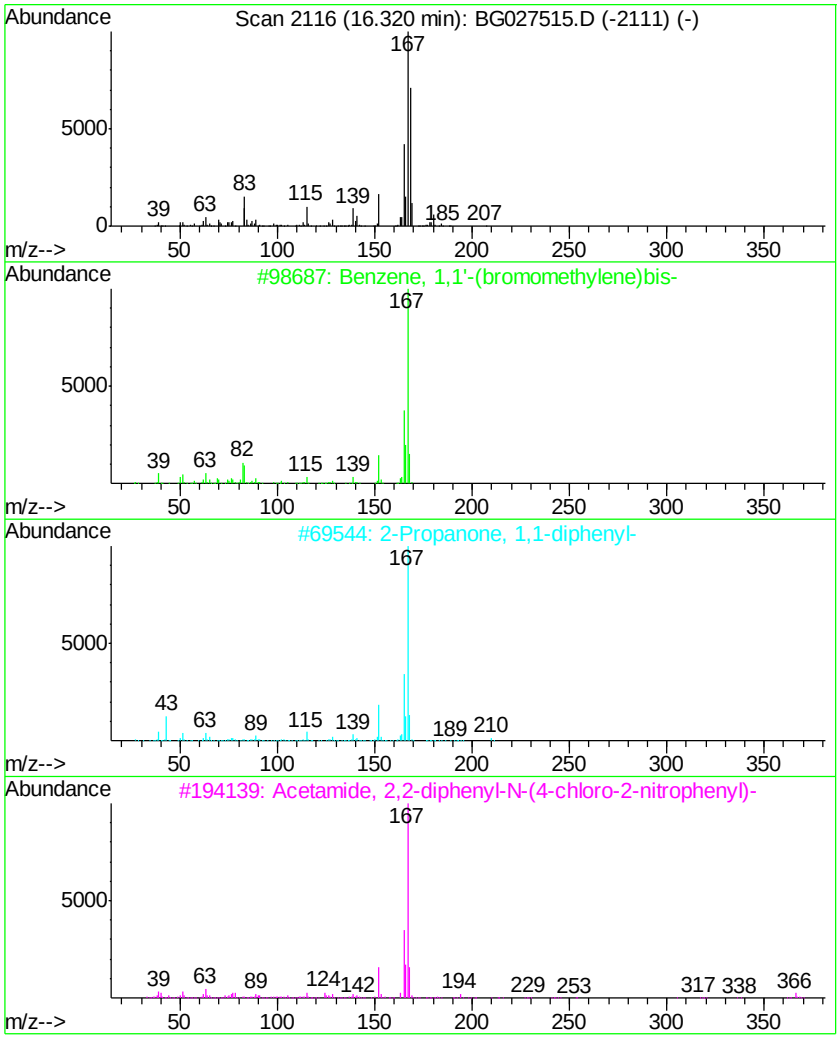
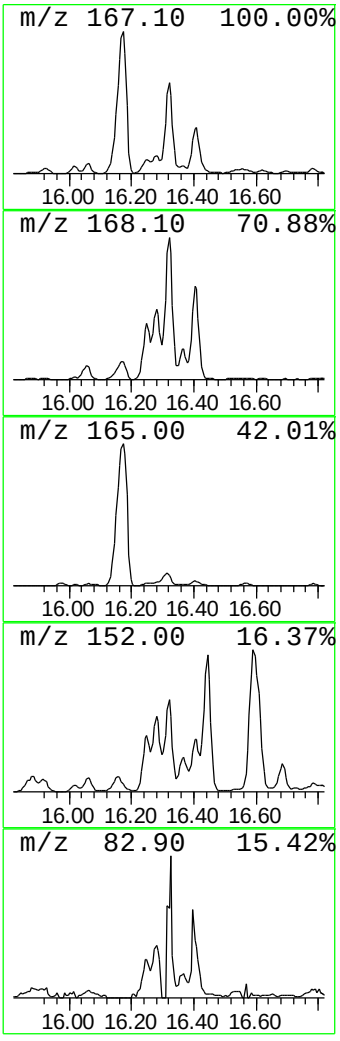
Peak Number 18 Benzene, 1,1'-(bromomethyle... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	78.87 ng/ul	2657110	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	64
2	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	59
3	Acetamide, 2,2-diphenyl-N-(4-chl...	366	C20H15ClN2O3	1000295-48-3	59
4	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	59
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	59





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Quant Title : SVOA CALIBRATION

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

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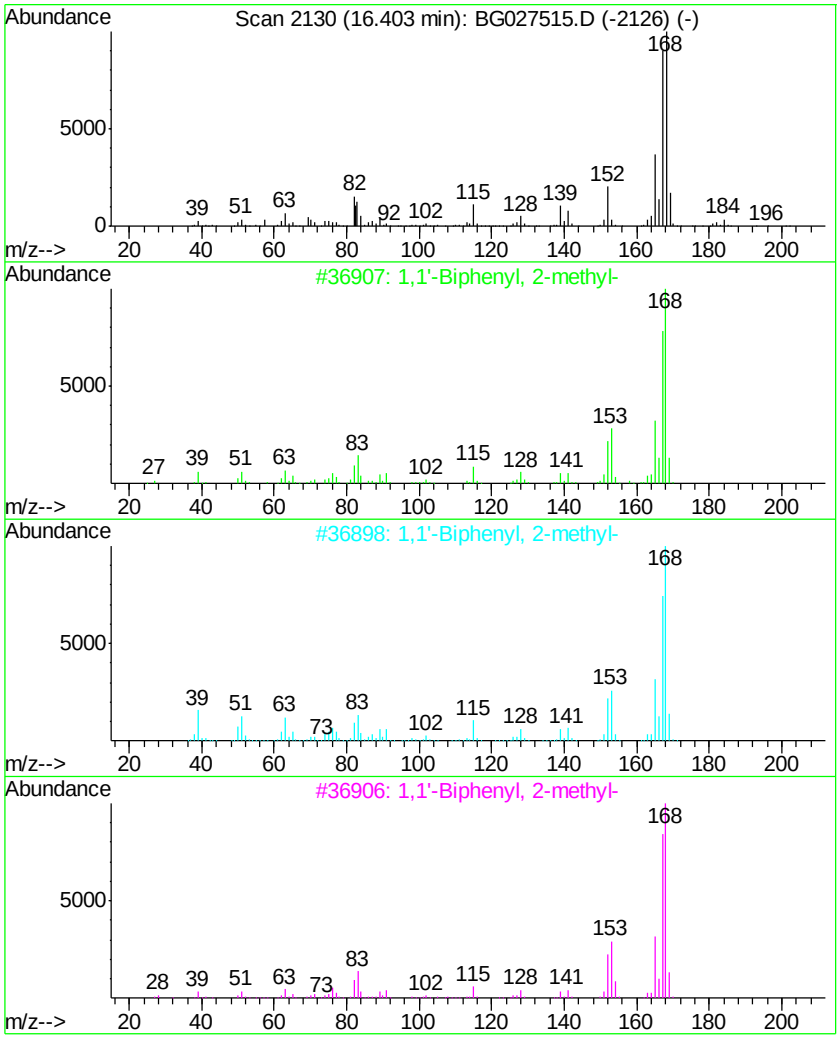
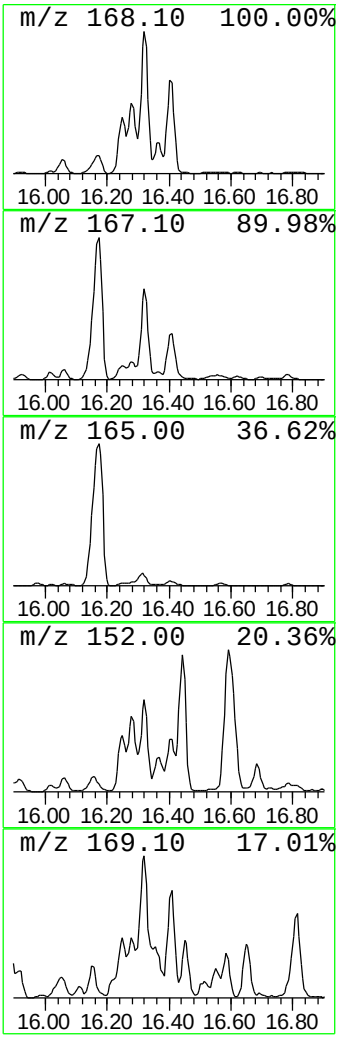
Peak Number 19 1,1'-Biphenyl, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	38.71 ng/ul	1304250	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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Peak Number 20 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	90.58 ng/ul	3051690	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
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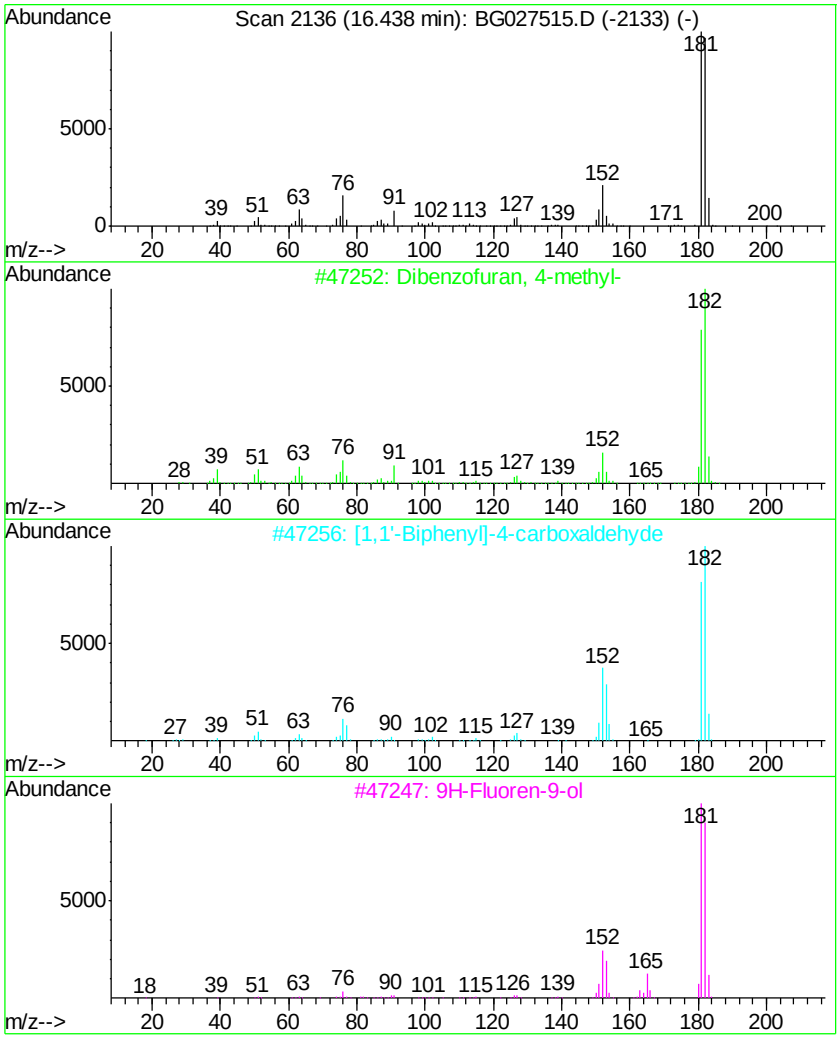

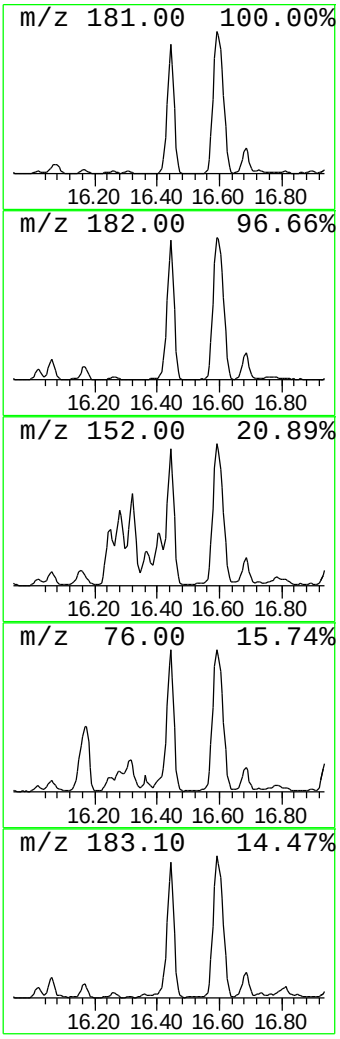

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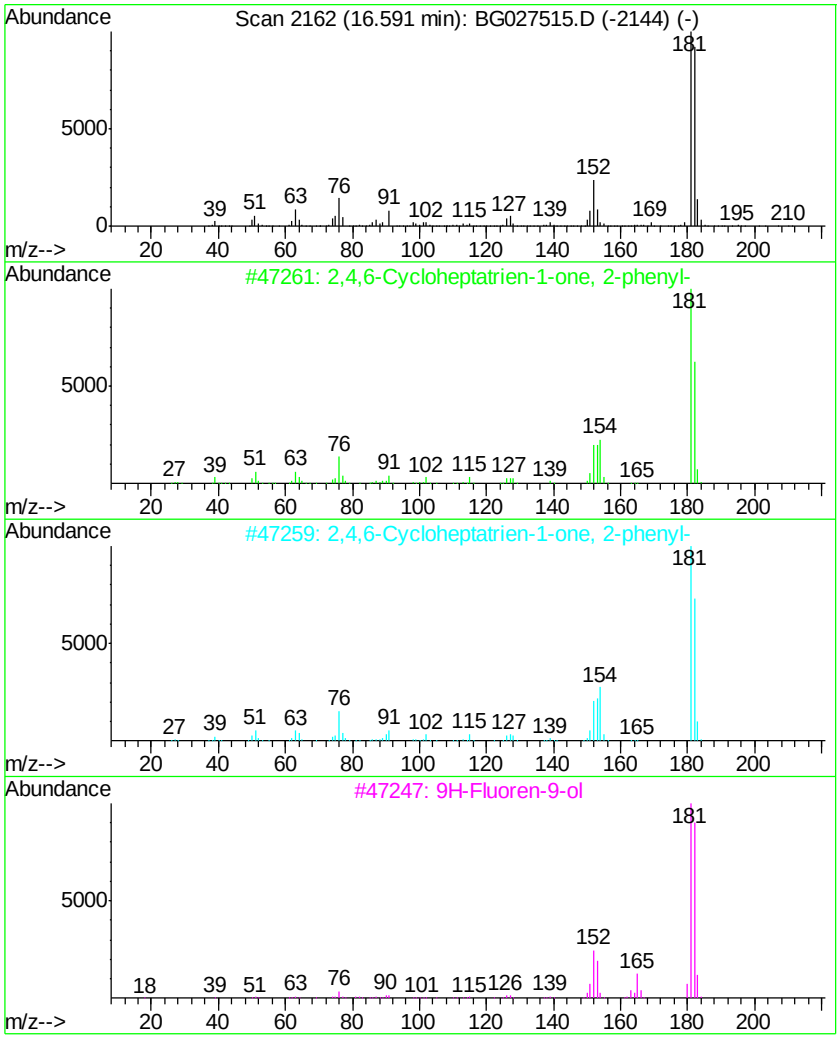
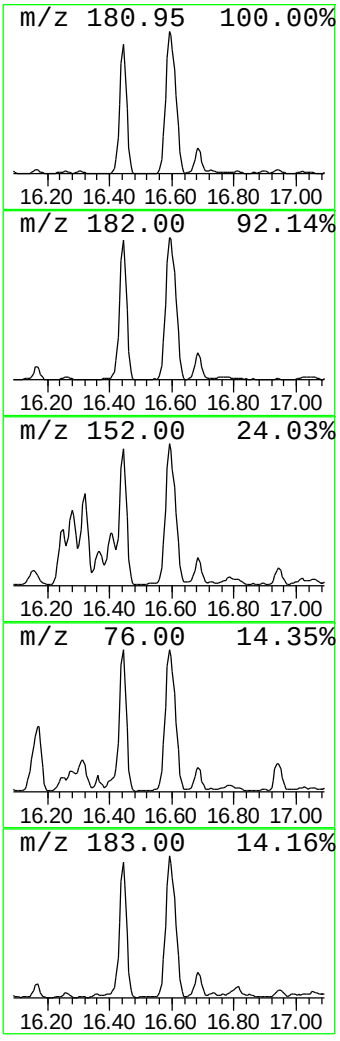
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 2,4,6-Cycloheptatrien-1-one... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	2.35 ng/ul	5058950	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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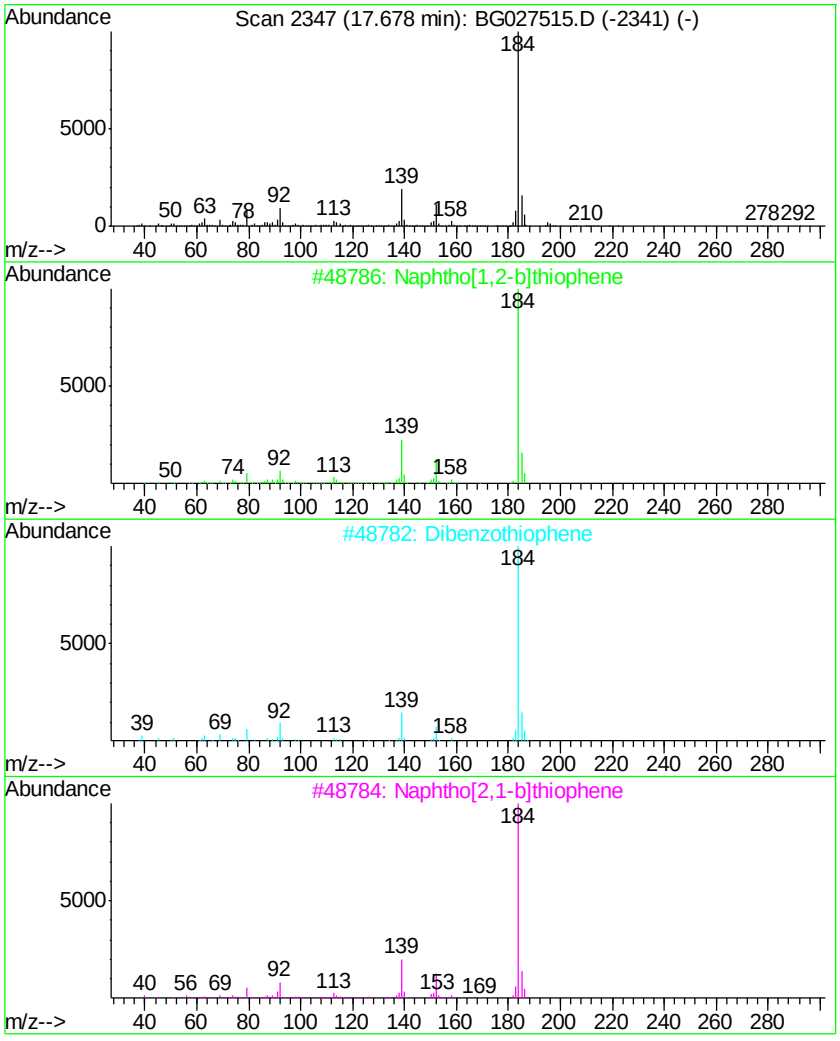
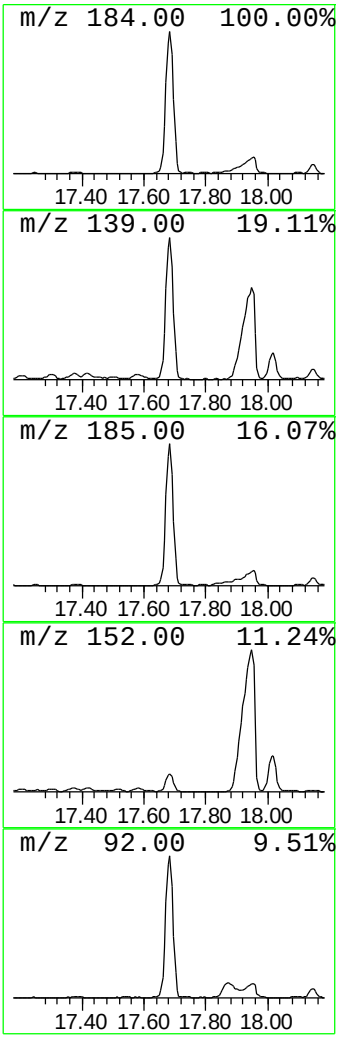
Peak Number 22 Naphtho[1,2-b]thiophene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	2.17 ng/ul	4666480	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	96
5	Dibenzothiophene	184	C12H8S	000132-65-0	96





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Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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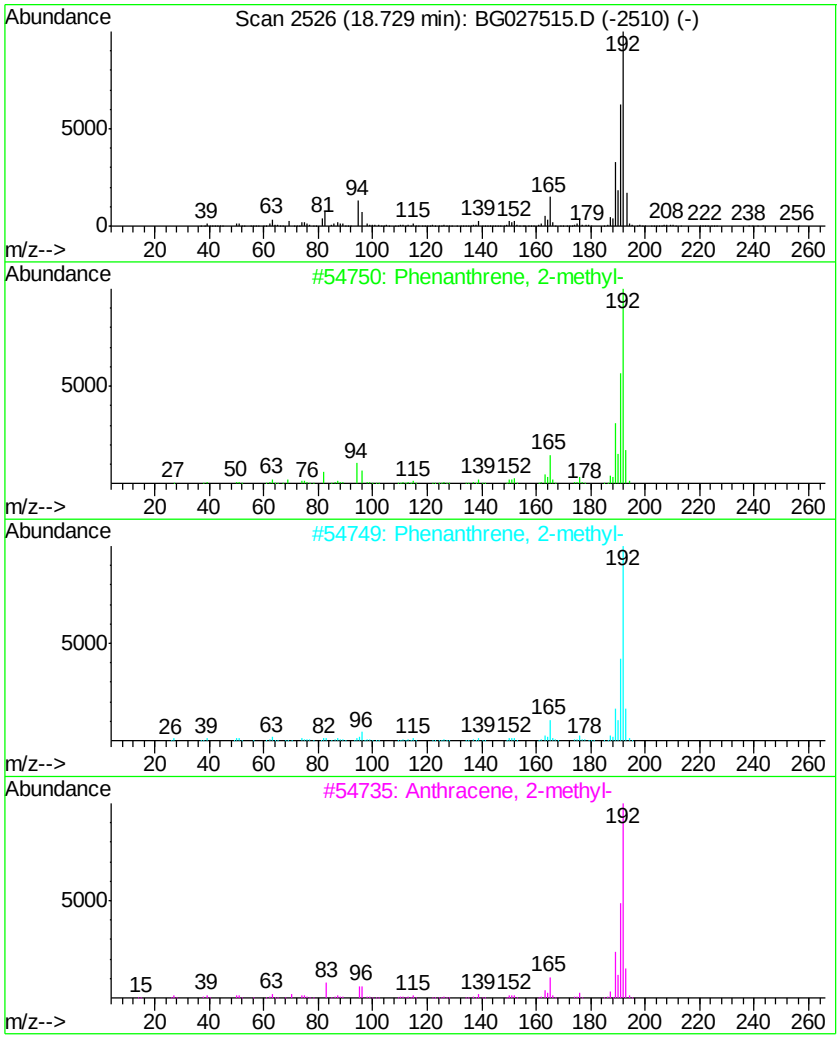
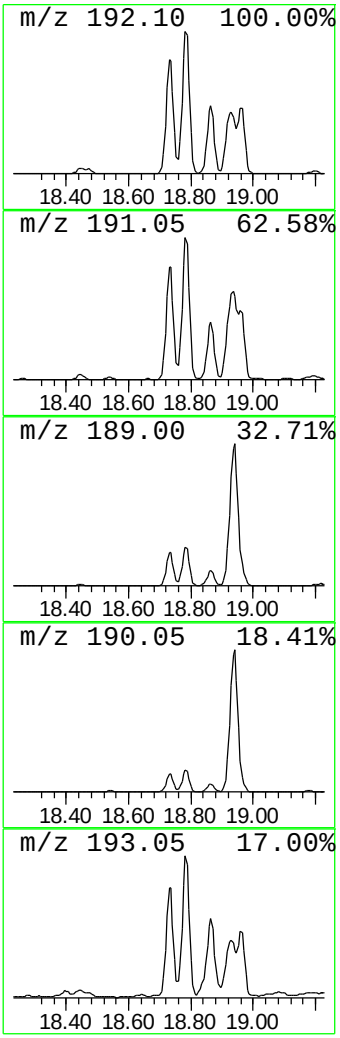
Peak Number 23 Phenanthrene, 2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.04 ng/ul	4391080	Phenanthrene-d10	17.87

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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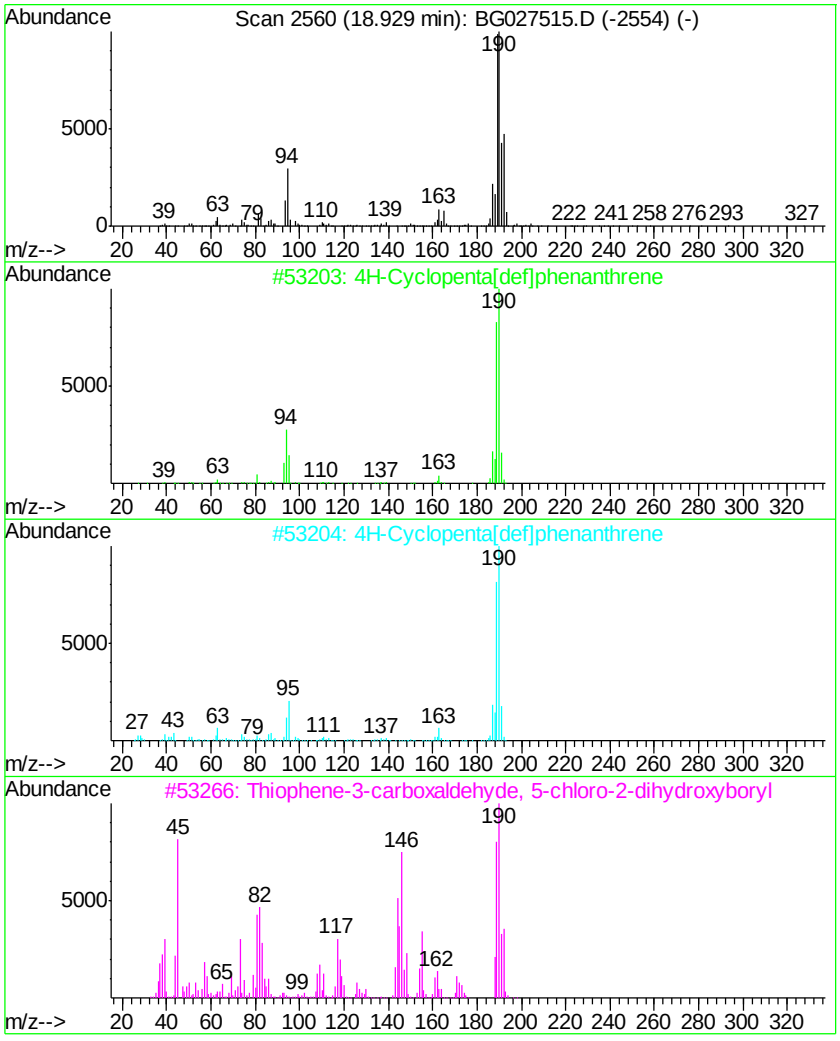
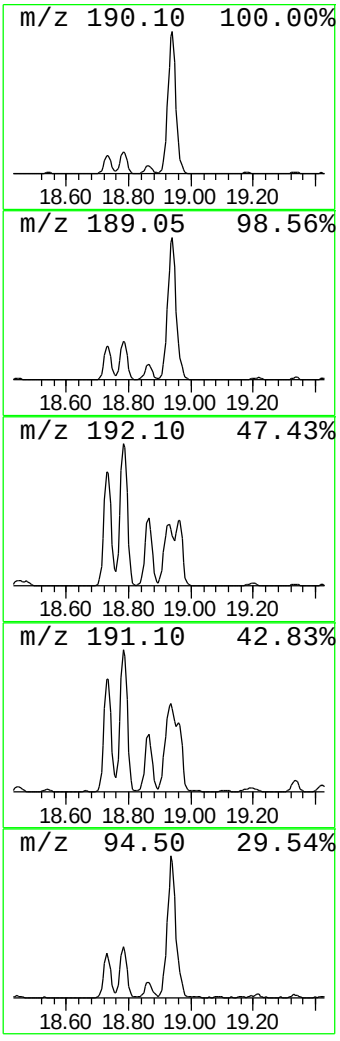
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.79 ng/ul	10290300	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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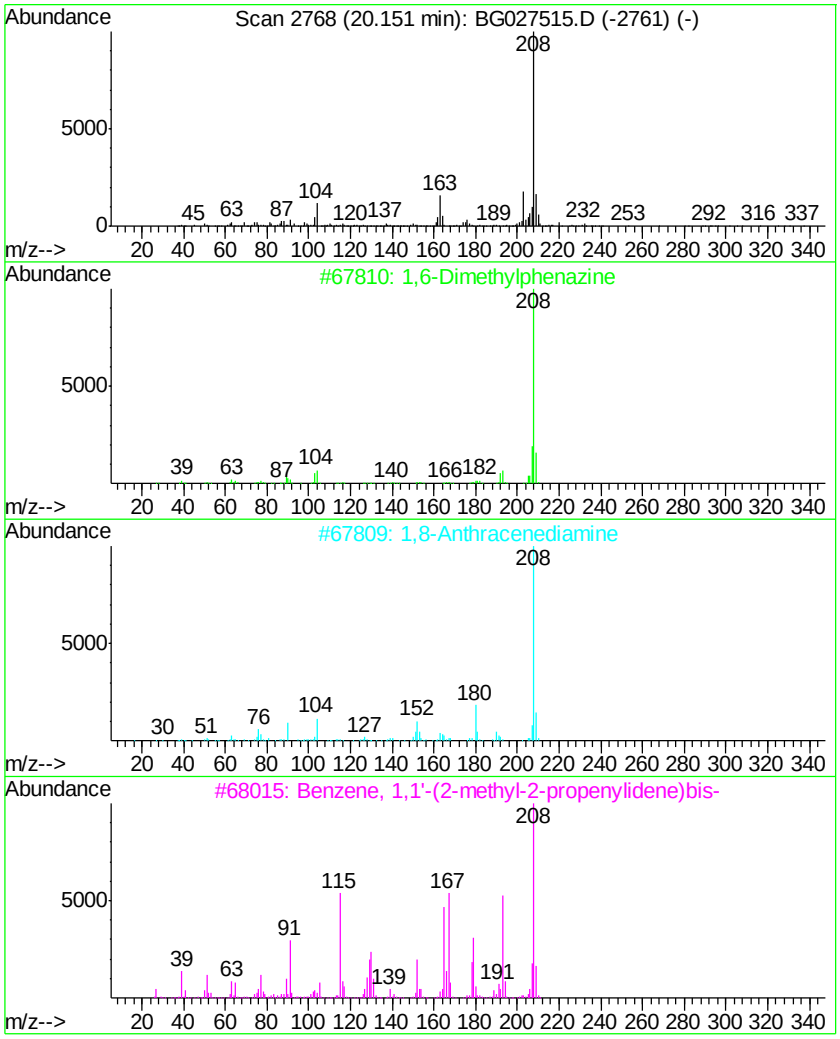
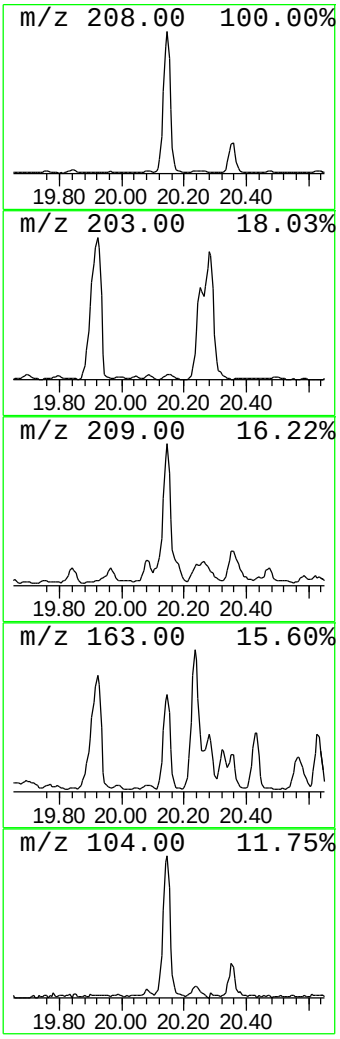
Peak Number 26 1,6-Dimethylphenazine Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.76 ng/ul	1539220	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	64
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53
4	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	53
5	1H-Indazole, 6-methyl-1-phenyl-	208	C14H12N2	1000305-65-6	53





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ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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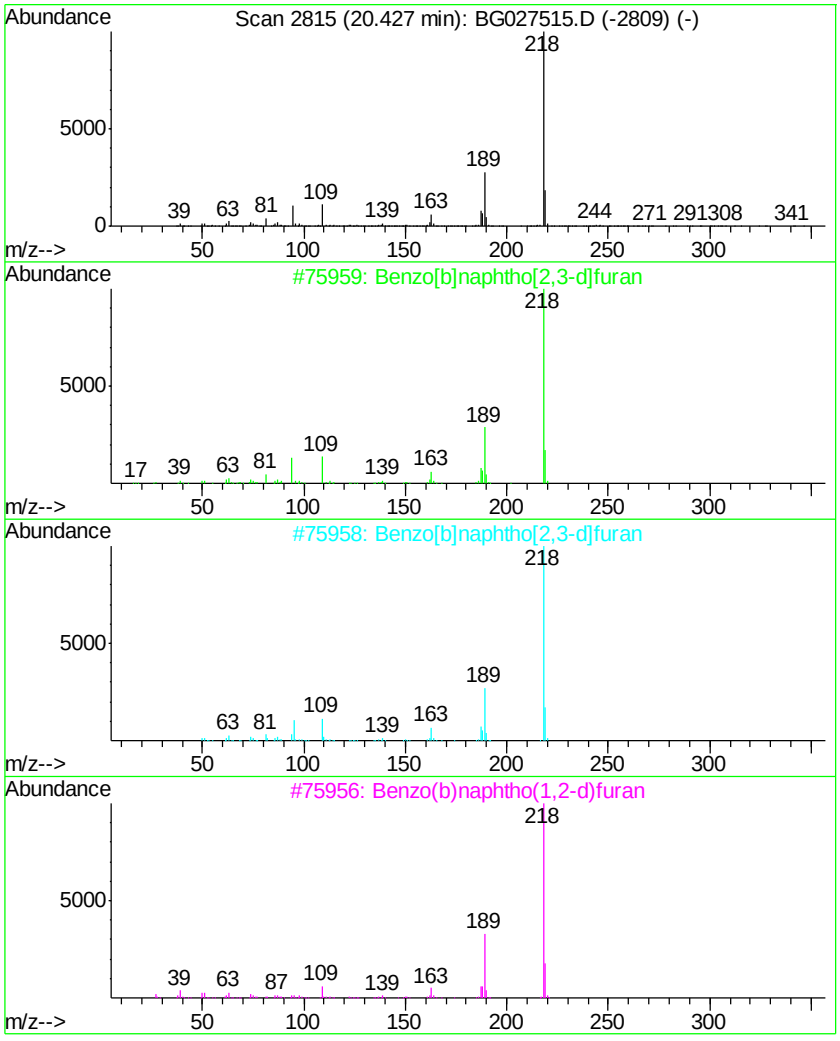
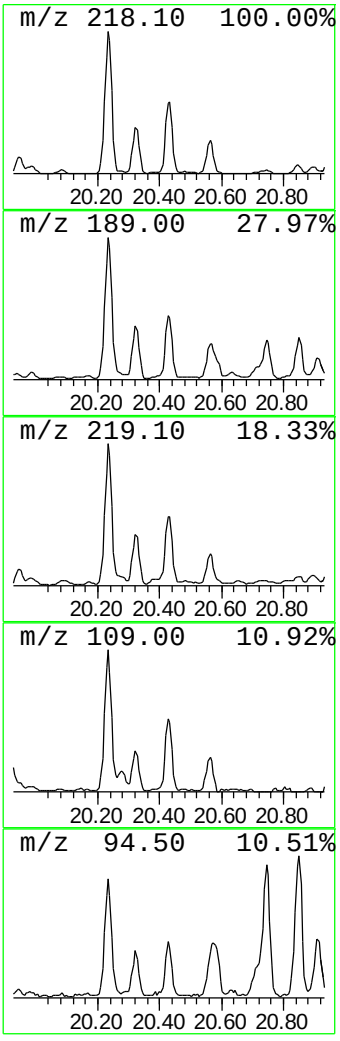
Peak Number 27 Benzo[b]naphtho[2,3-d]furan Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.66 ng/ul	1479080	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
3	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	93





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Sample : I3599-09 20X
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ALS Vial : 47 Sample Multiplier: 1

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ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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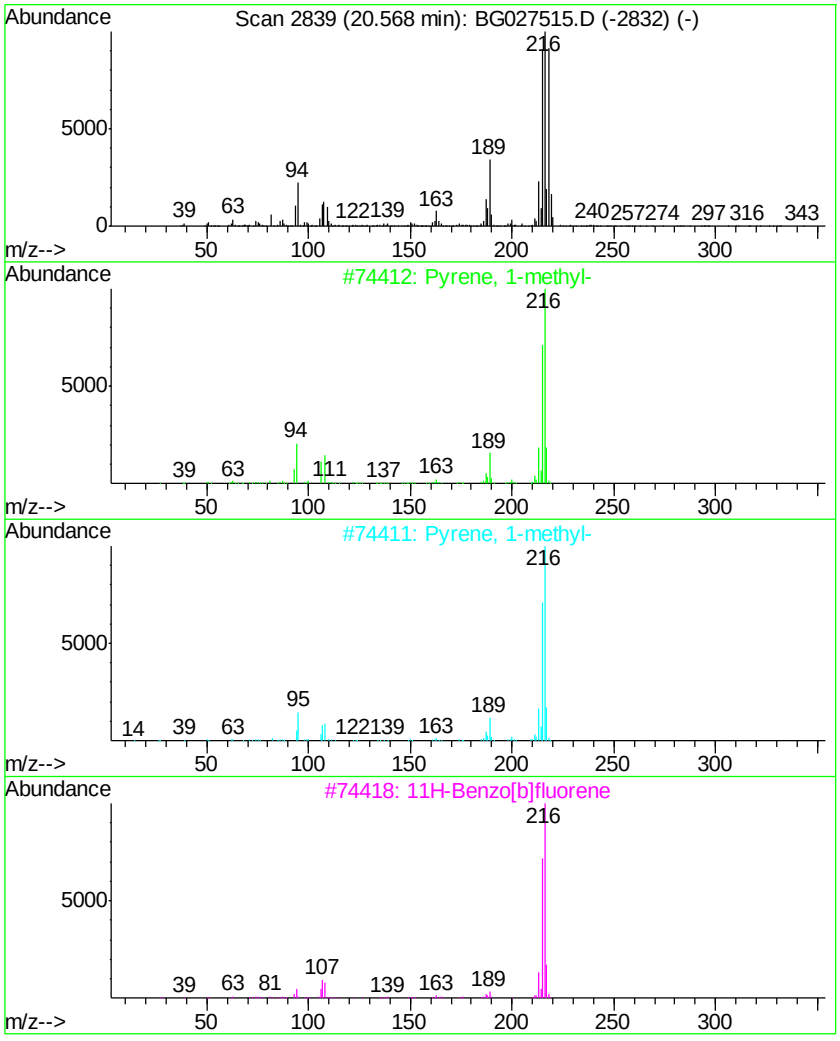
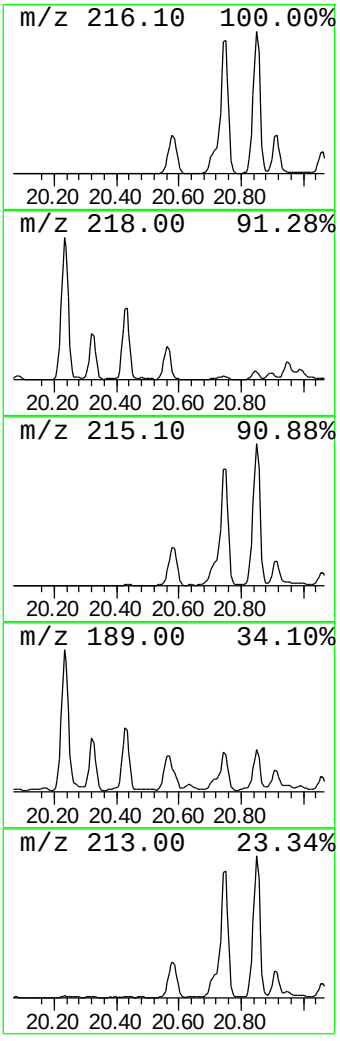
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	4.65 ng/ul	2589340	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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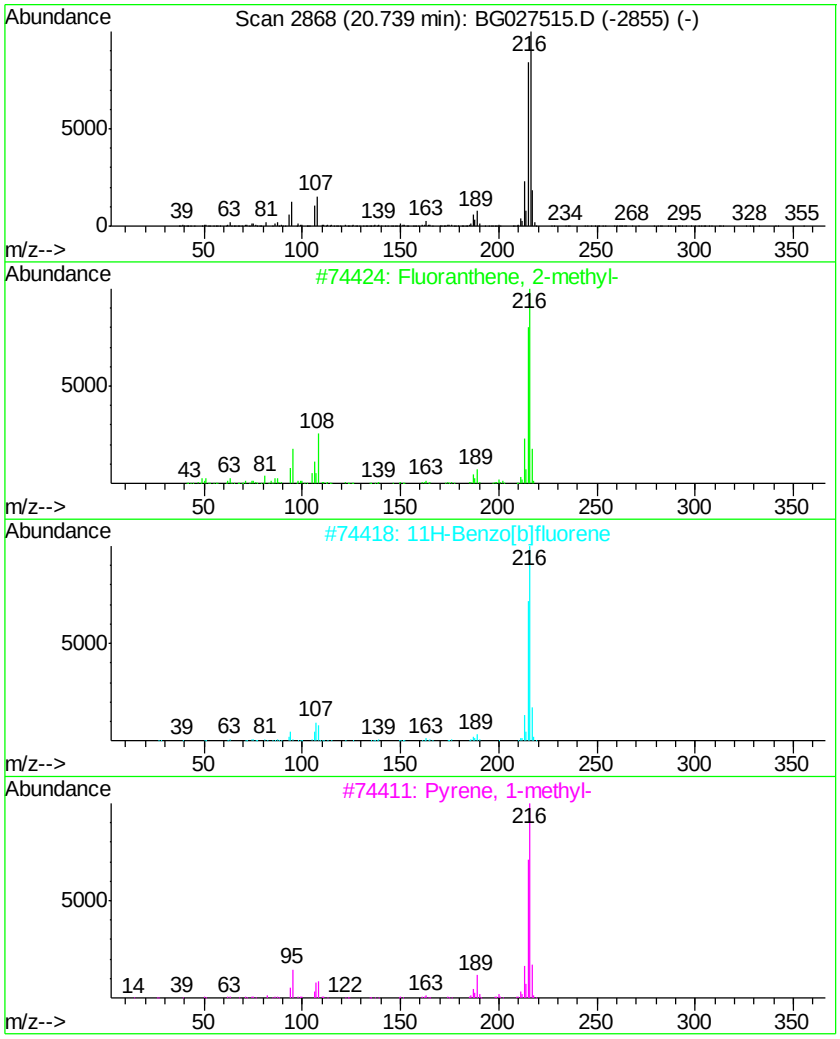
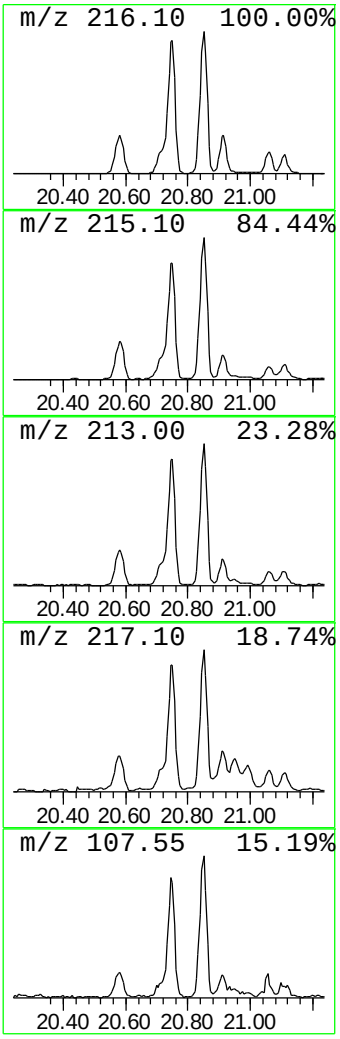
Peak Number 29 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	10.95 ng/ul	6093940	Chrysene-d12	22.25

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	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93





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Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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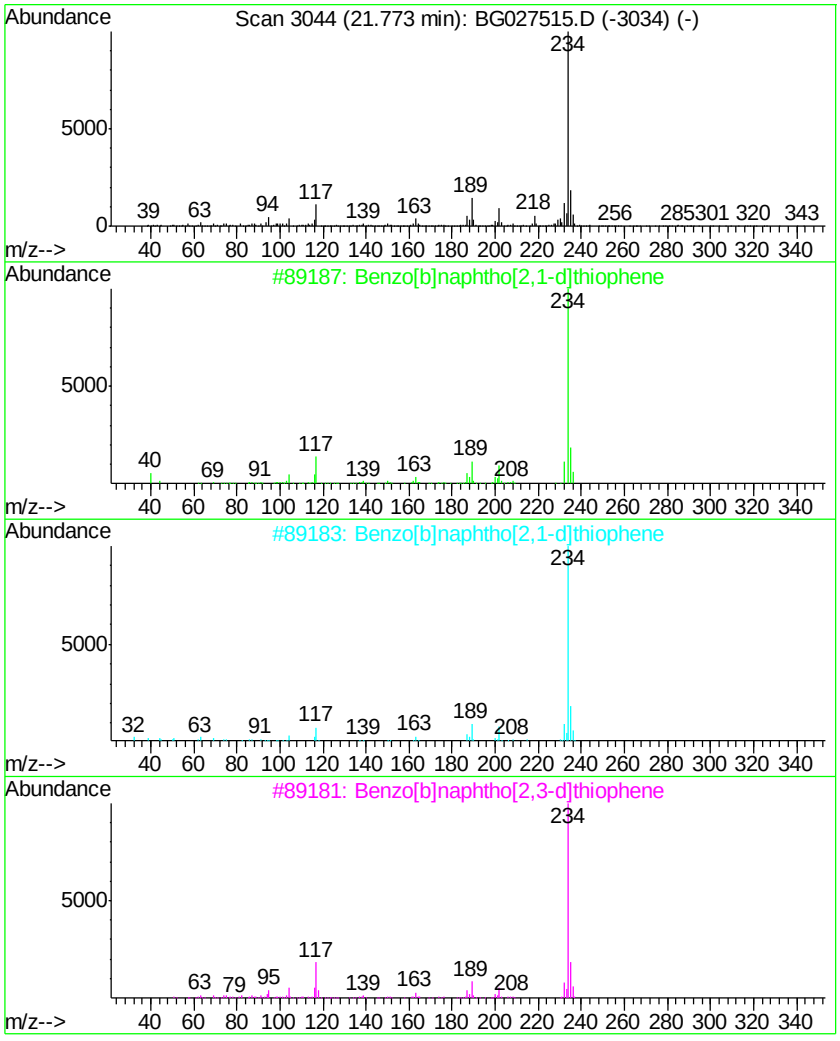
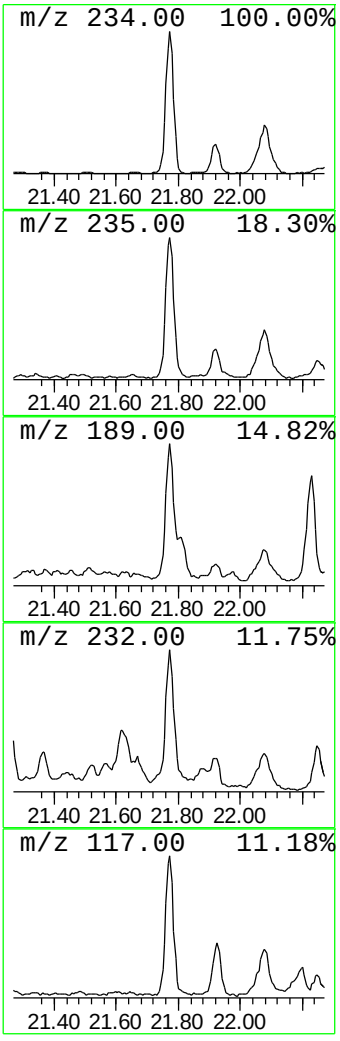
Peak Number 32 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	3.40 ng/ul	1892200	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Quant Title : SVOA CALIBRATION

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

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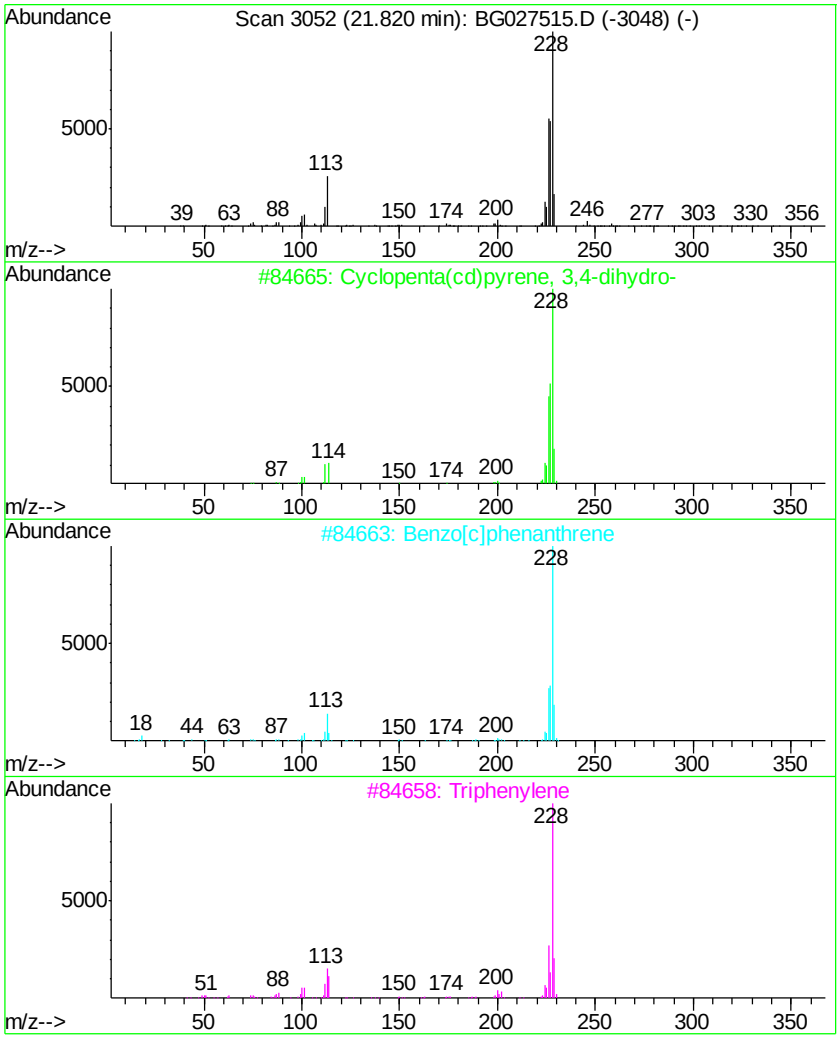
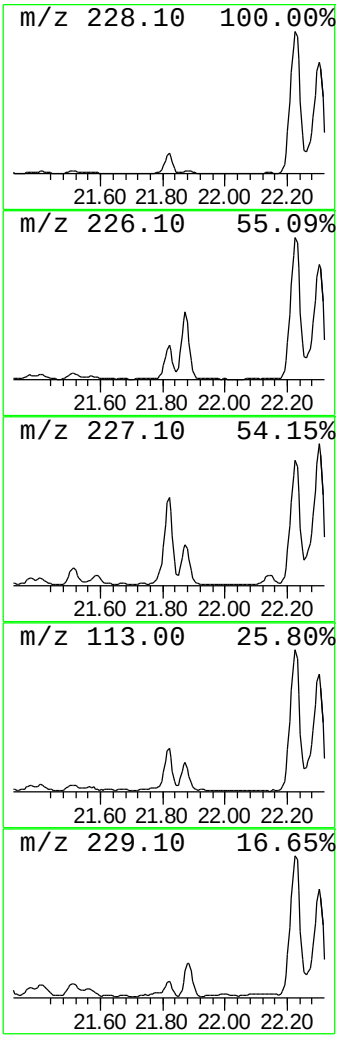
Peak Number 33 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.09 ng/ul	1163610	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Triphenylene	228	C18H12	000217-59-4	49
4	Triphenylene	228	C18H12	000217-59-4	43
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43





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Quant Title : SVOA CALIBRATION

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

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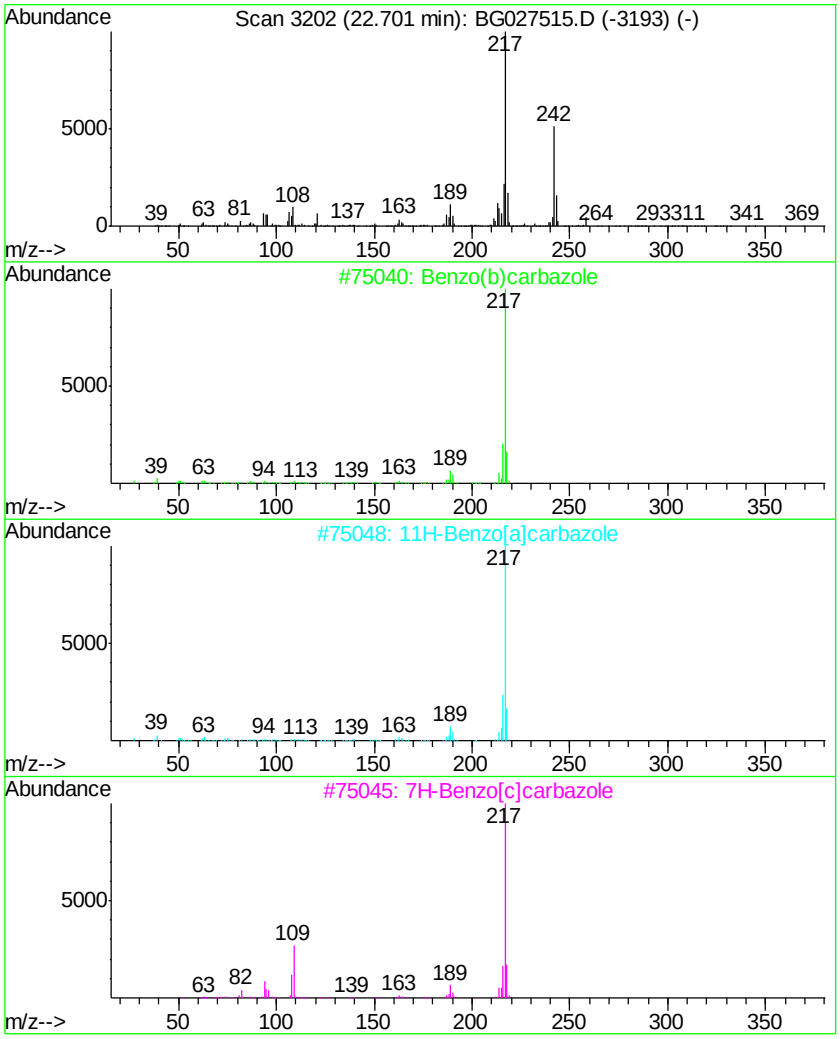
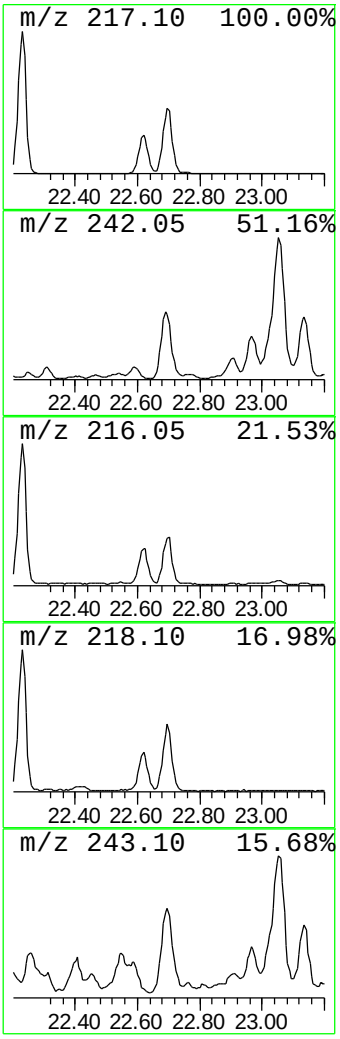
Peak Number 35 Benzo(b)carbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	2.30 ng/ul	1280300	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	92
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	91
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	64





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Quant Title : SVOA CALIBRATION

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

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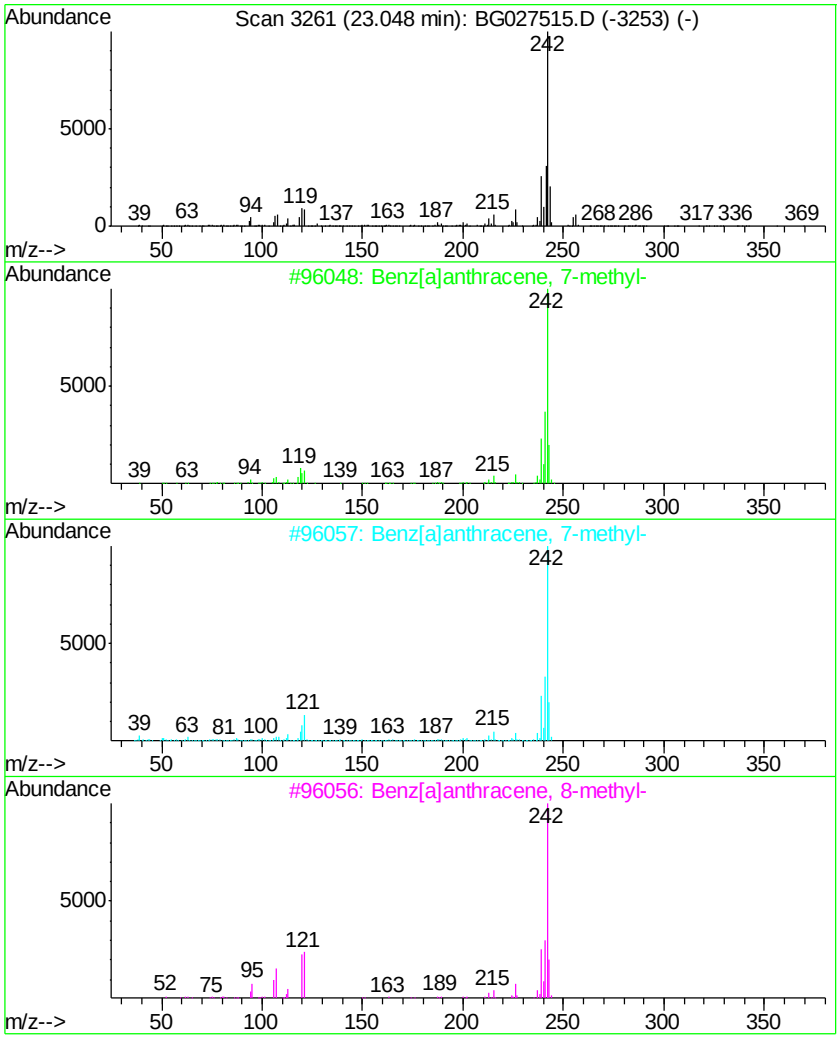
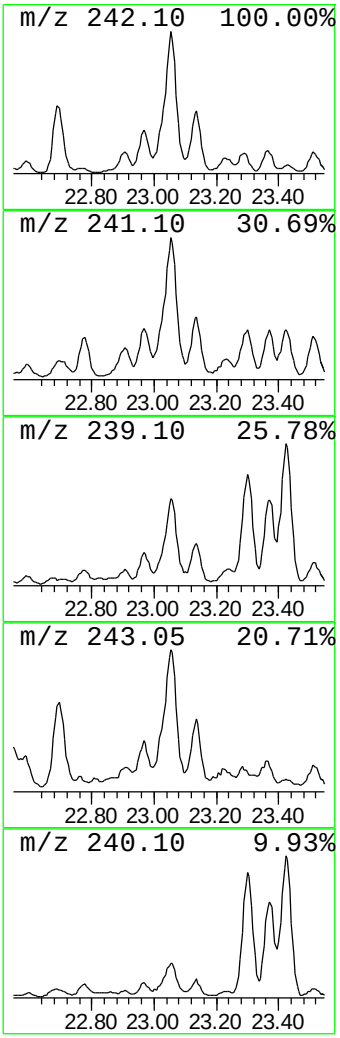
Peak Number 36 Benz[a]anthracene, 7-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	2.07 ng/ul	1151010	Chrysene-d12	22.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93





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Instrument : BNA_G
ClientSampleId : F5D77

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Quant Title : SVOA CALIBRATION

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

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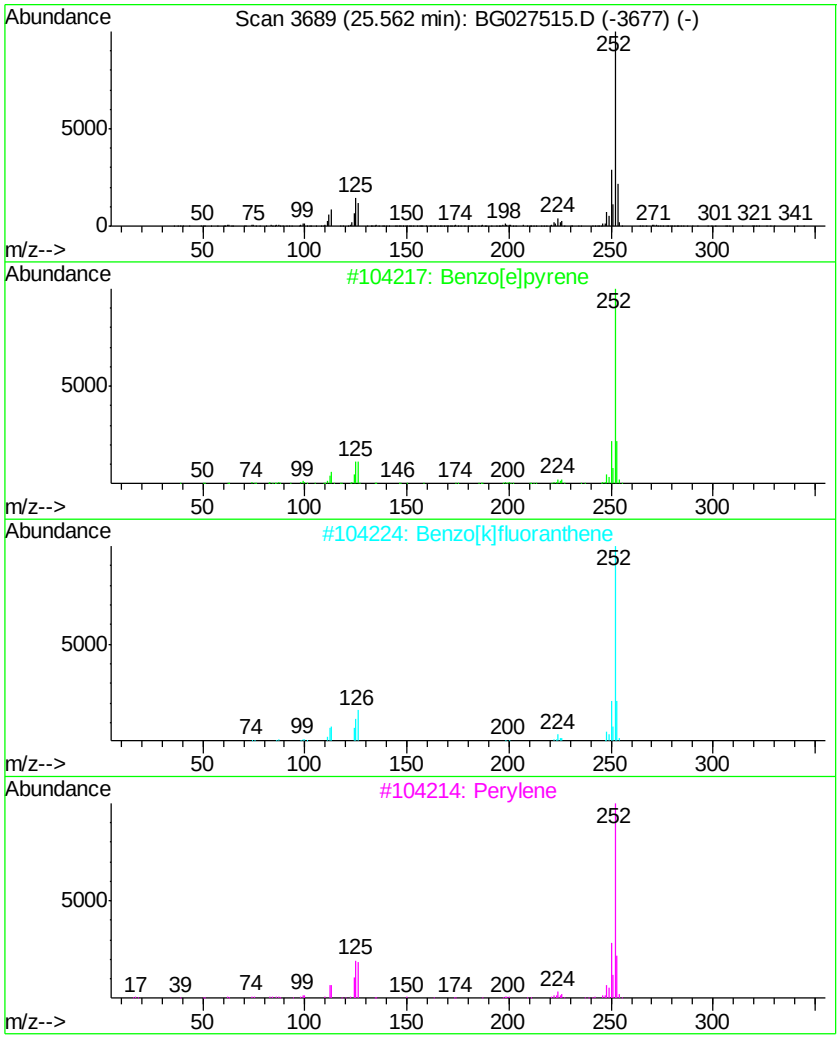
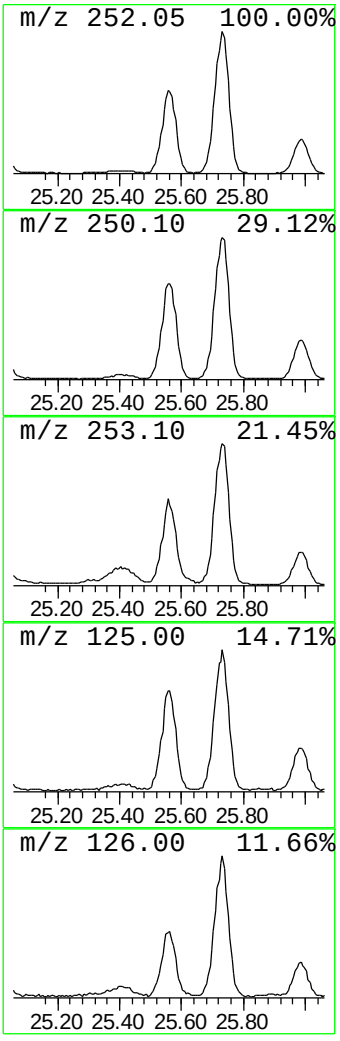
Peak Number 38 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.56	29.76 ng/ul	1722030	Perylene-d12	25.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027515.D
Acq On : 17 Jun 2017 20:29
Operator : SJ/MA
Sample : I3599-09 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D77

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(1R)-2,6,6-Trimet...	7.21	34.0	ng/ul	1598130	1	8.52	941554	20.0
Benzene, 1,2,3-tr...	8.16	18.4	ng/ul	864183	1	8.52	941554	20.0
D-Limonene	8.73	20.0	ng/ul	941554	1	8.52	941554	20.0
Indane	8.90	59.5	ng/ul	2799510	1	8.52	941554	20.0
Indene	9.06	63.3	ng/ul	2977870	1	8.52	941554	20.0
Cyclohexene, 1-me...	9.62	13.3	ng/ul	625434	1	8.52	941554	20.0
Naphthalene, 1-et...	14.14	77.3	ng/ul	2604320	3	15.11	673820	20.0
Naphthalene, 2,6-...	14.29	189.9	ng/ul	6399700	3	15.11	673820	20.0
Naphthalene, 2,3-...	14.43	172.7	ng/ul	5819750	3	15.11	673820	20.0
Naphthalene, 2,3,...	15.71	30.1	ng/ul	1012340	3	15.11	673820	20.0
1-Isopropenylnaph...	16.25	29.3	ng/ul	985844	3	15.11	673820	20.0
Benzene, [1-(2,4-...	16.28	31.6	ng/ul	1064720	3	15.11	673820	20.0
Benzene, 1,1'-(br...	16.32	78.9	ng/ul	2657110	3	15.11	673820	20.0
1,1'-Biphenyl, 2-...	16.40	38.7	ng/ul	1304250	3	15.11	673820	20.0
Dibenzofuran, 4-m...	16.44	90.6	ng/ul	3051690	3	15.11	673820	20.0
2,4,6-Cycloheptat...	16.59	2.4	ng/ul	5058950	4	17.87	42964300	20.0
Naphtho[1,2-b]thi...	17.68	2.2	ng/ul	4666480	4	17.87	42964300	20.0
Phenanthrene, 2-m...	18.73	2.0	ng/ul	4391080	4	17.87	42964300	20.0
4H-Cyclopenta[def...	18.93	4.8	ng/ul	10290300	4	17.87	42964300	20.0
1,6-Dimethylphena...	20.15	2.8	ng/ul	1539220	5	22.25	11134300	20.0
Benzo[b]naphtho[2...	20.43	2.7	ng/ul	1479080	5	22.25	11134300	20.0
Pyrene, 1-methyl-	20.57	4.7	ng/ul	2589340	5	22.25	11134300	20.0
Fluoranthene, 2-m...	20.74	10.9	ng/ul	6093940	5	22.25	11134300	20.0
Benzo[b]naphtho[2...	21.77	3.4	ng/ul	1892200	5	22.25	11134300	20.0
Cyclopenta(cd)pyr...	21.82	2.1	ng/ul	1163610	5	22.25	11134300	20.0
Benzo(b)carbazole	22.70	2.3	ng/ul	1280300	5	22.25	11134300	20.0
Benz[a]anthracene...	23.05	2.1	ng/ul	1151010	5	22.25	11134300	20.0
Benzo[e]pyrene	25.56	29.8	ng/ul	1722030	6	25.90	1157420	20.0