LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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	8.639	979	987	995	rVV	446725	775166	3.23%	0.457%
2	11.001	1369	1389	1395	rVV	4366341	11367106	47.34%	6.695%
3	11.095	1399	1405	1412	rVB	234581	407816	1.70%	0.240%
4	12.582	1646	1658	1664	rBV	3282515	6256256	26.06%	3.685%
5	12.682	1668	1675	1681	rVV	91282	177971	0.74%	0.105%
6	12.793	1681	1694	1701	rVB	1848879	3206158	13.35%	1.888%
7	13.569	1811	1826	1835	rBV	1401570	2242013	9.34%	1.320%
8	13.763	1852	1859	1870	rVB	479194	923463	3.85%	0.544%
9	13.910	1870	1884	1891	rBV	597848	1625105	6.77%	0.957%
10	14.051	1900	1908	1913	rVV	794759	1507579	6.28%	0.888%
11	14.103	1913	1917	1926	rVV	591317	963392	4.01%	0.567%
12	14.286	1942	1948	1952	rVV	340581	565282	2.35%	0.333%
13	14.450	1965	1976	1987	rBV	546467	935717	3.90%	0.551%
14	14.709	2013	2020	2029	rVV2	578523	1126517	4.69%	0.663%
15	14.820	2029	2039	2044	rVV	4977963	10691070	44.53%	6.297%
16	14.867	2044	2047	2052	rVV	287514	438335	1.83%	0.258%
17	14.932	2052	2058	2067	rVV2	135223	345251	1.44%	0.203%
18	15.038	2067	2076	2081	rVV2	284732	593287	2.47%	0.349%
19	15.149	2086	2095	2100	rVV	3582480	7033281	29.29%	4.142%
20	15.196	2100	2103	2112	rVB	188936	305336	1.27%	0.180%
21	15.337	2118	2127	2132	rBV2	160718	305351	1.27%	0.180%
22	15.390	2132	2136	2148	rVB3	165495	291525	1.21%	0.172%
23	15.514	2148	2157	2160	rBV	125367	280944	1.17%	0.165%
24	15.549	2160	2163	2168	rVV4	102822	188562	0.79%	0.111%
25	15.696	2184	2188	2196	rVV3	146267	295303	1.23%	0.174%
26	15.801	2196	2206	2211	rVV	4346555	8821621	36.74%	5.196%
27	15.878	2212	2219	2220	rVV2	282059	441245	1.84%	0.260%
28	15.901	2220	2223	2226	rVV	470607	761953	3.17%	0.449%
29	15.942	2226	2230	2235	rVV3	837841	1383910	5.76%	0.815%
30	15.989	2235	2238	2241	rVV2	225813	360443	1.50%	0.212%
31	16.031	2241	2245	2248	rVV	411920	691973	2.88%	0.408%
32	16.072	2248	2252	2260	rVV	879908	1380171	5.75%	0.813%
33	16.219	2267	2277	2284	rVV	911003	2146313	8.94%	1.264%
34	16.307	2289	2292	2297	rVV	172294	248341	1.03%	0.146%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	16.565	2331	2336	2342	rVB	472217	711054	2.96%	0.419%
36	16.777	2360	2372	2377	rBV2	676598	1553689	6.47%	0.915%
37	16.830	2377	2381	2386	rVV2	260496	468397	1.95%	0.276%
38	16.924	2391	2397	2402	rVB3	266865	491115	2.05%	0.289%
39	17.000	2407	2410	2414	rVV	138083	205176	0.85%	0.121%
40	17.041	2414	2417	2421	rVB2	183949	243950	1.02%	0.144%
41	17.135	2428	2433	2439	rVB6	121431	258096	1.07%	0.152%
42	17.206	2439	2445	2453	rBV3	292869	775830	3.23%	0.457%
43	17.300	2455	2461	2471	rVB	1365650	2229573	9.29%	1.313%
44	17.576	2485	2508	2511	rBV	7751615	24009456	100.00%	14.141%
45	17.629	2511	2517	2523	rVB	1288834	1834894	7.64%	1.081%
46	17.881	2553	2560	2568	rBV	834209	1406347	5.86%	0.828%
47	17.993	2575	2579	2583	rBV	283042	414998	1.73%	0.244%
48	18.058	2587	2590	2598	rVB4	141012	258022	1.07%	0.152%
49	18.199	2605	2614	2623	rVB	134222	328242	1.37%	0.193%
50	18.357	2635	2641	2645	rVV	1136156	1910922	7.96%	1.125%
51	18.404	2645	2649	2654	rVB	1635452	2376859	9.90%	1.400%
52	18.487	2654	2663	2668	rBV	488180	925217	3.85%	0.545%
53	18.563	2668	2676	2685	rVV2	2215010	4771948	19.88%	2.811%
54	18.645	2686	2690	2694	rVV3	118357	193604	0.81%	0.114%
55	18.686	2694	2697	2702	rVV	127032	179899	0.75%	0.106%
56	18.780	2710	2713	2718	rVV3	126645	230623	0.96%	0.136%
57	18.845	2718	2724	2729	rVV	1074203	1533169	6.39%	0.903%
58	18.898	2729	2733	2741	rVV4	148465	234572	0.98%	0.138%
59	19.086	2761	2765	2769	rVB2	206147	271200	1.13%	0.160%
60	19.133	2769	2773	2777	rBV	153577	198305	0.83%	0.117%
61	19.174	2777	2780	2784	rVB	148862	179156	0.75%	0.106%
62	19.256	2788	2794	2799	rBV	317877	615510	2.56%	0.363%
63	19.327	2802	2806	2814	rVB2	198256	415836	1.73%	0.245%
64	19.556	2834	2845	2850	rVV	5901289	13638140	56.80%	8.032%
65	19.620	2853	2856	2861	rVB	153205	209220	0.87%	0.123%
66	19.773	2877	2882	2886	rVV	322517	478598	1.99%	0.282%
67	19.914	2892	2906	2910	rBV3	4834797	12677661	52.80%	7.467%
68	19.955	2910	2913	2920	rVB2	377972	544126	2.27%	0.320%
69	20.061	2926	2931	2937	rVB	481730	651021	2.71%	0.383%
70	20.202	2949	2955	2956	rBV2	390153	626848	2.61%	0.369%
71	20.261	2961	2965	2971	rVV	239250	334368	1.39%	0.197%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	20.337	2972	2978	2979	rVV2	243458	383848	1.60%	0.226%
73	20.378	2980	2985	2990	rVB	1252148	1869533	7.79%	1.101%
74	20.478	2995	3002	3006	rBV	1424652	2188227	9.11%	1.289%
75	20.537	3006	3012	3015	rVV2	435235	858442	3.58%	0.506%
76	20.566	3015	3017	3021	rVV	269002	357268	1.49%	0.210%
77	20.608	3021	3024	3030	rVB2	166012	245994	1.02%	0.145%
78	20.672	3031	3035	3039	rBV	206469	308223	1.28%	0.182%
79	20.719	3039	3043	3051	rVB2	231688	392668	1.64%	0.231%
80	20.895	3069	3073	3077	rBV	197523	267607	1.11%	0.158%
81	21.089	3101	3106	3111	rBV	152371	293616	1.22%	0.173%
82	21.324	3141	3146	3150	rBV	369613	578520	2.41%	0.341%
83	21.371	3150	3154	3158	rVV	349607	543322	2.26%	0.320%
84	21.418	3158	3162	3167	rVV2	323874	566381	2.36%	0.334%
85	21.606	3186	3194	3202	rBV	123480	263408	1.10%	0.155%
86	21.742	3207	3217	3223	rVV3	1864477	4062620	16.92%	2.393%
87	21.806	3223	3228	3240	rVB	1375621	2571119	10.71%	1.514%
88	21.959	3248	3254	3262	rBV	367457	644928	2.69%	0.380%
89	22.165	3282	3289	3296	rBV2	206092	405733	1.69%	0.239%
90	22.488	3336	3344	3350	rVV2	179377	455547	1.90%	0.268%
91	22.564	3353	3357	3367	rVB2	105283	208537	0.87%	0.123%
92	22.817	3396	3400	3408	rVB4	142665	282640	1.18%	0.166%
93	22.911	3409	3416	3422	rBV4	78790	210360	0.88%	0.124%
94	23.992	3589	3600	3607	rBV	436447	1504839	6.27%	0.886%
95	24.244	3636	3643	3654	rVB	96026	256180	1.07%	0.151%
96	24.720	3716	3724	3735	rBV	180939	491523	2.05%	0.289%
97	24.873	3741	3750	3765	rVV	304284	909272	3.79%	0.536%
98	25.020	3766	3775	3783	rVV3	163089	536680	2.24%	0.316%
99	25.102	3784	3789	3802	rVB2	92629	274804	1.14%	0.162%
100	28.745	4396	4409	4428	rVB4	74296	387840	1.62%	0.228%

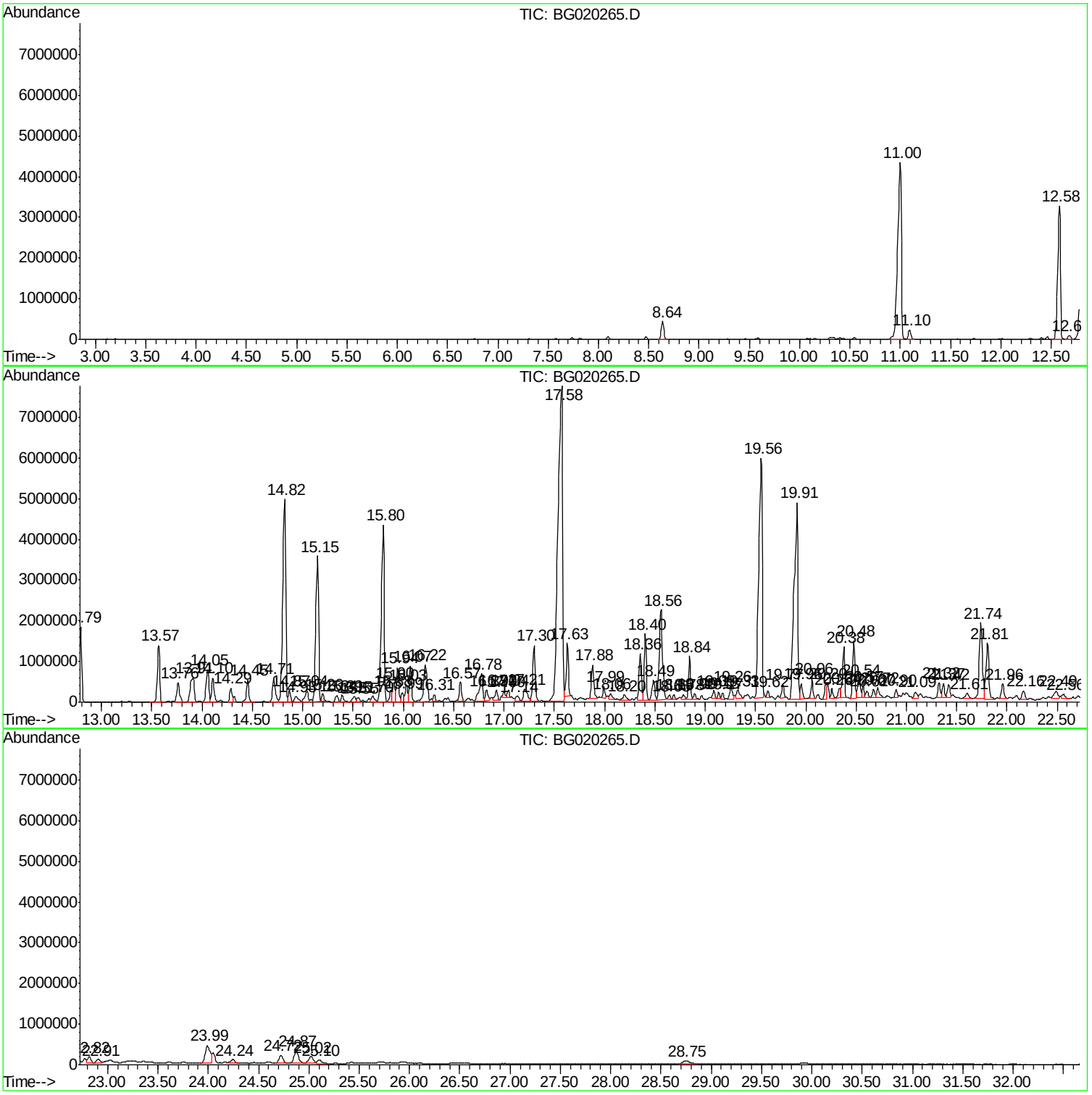
Sum of corrected areas: 169789076

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

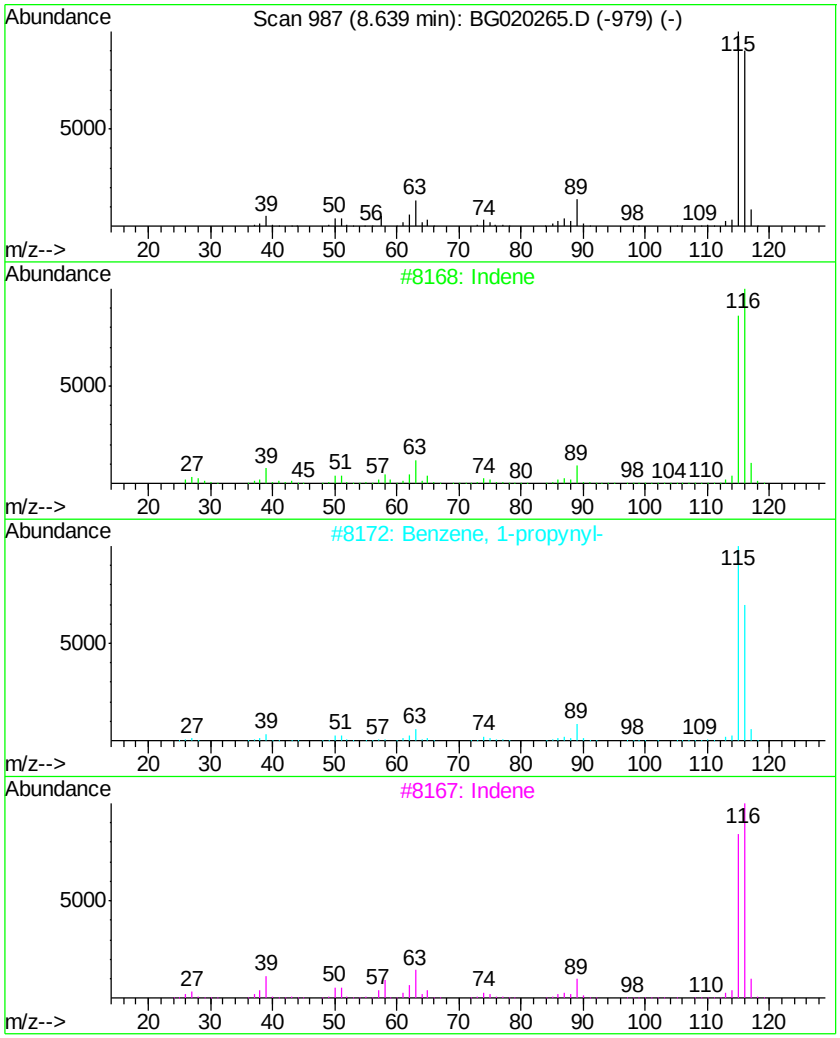
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

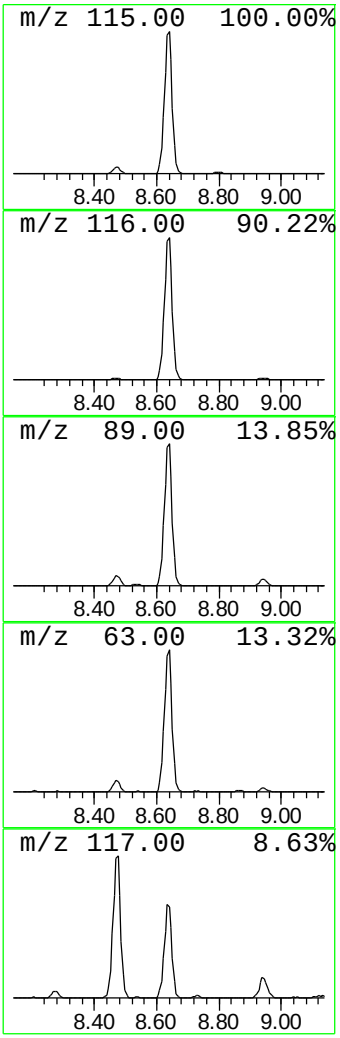
****

Peak Number 1 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	20.00 ng/ul	775166	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	95
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

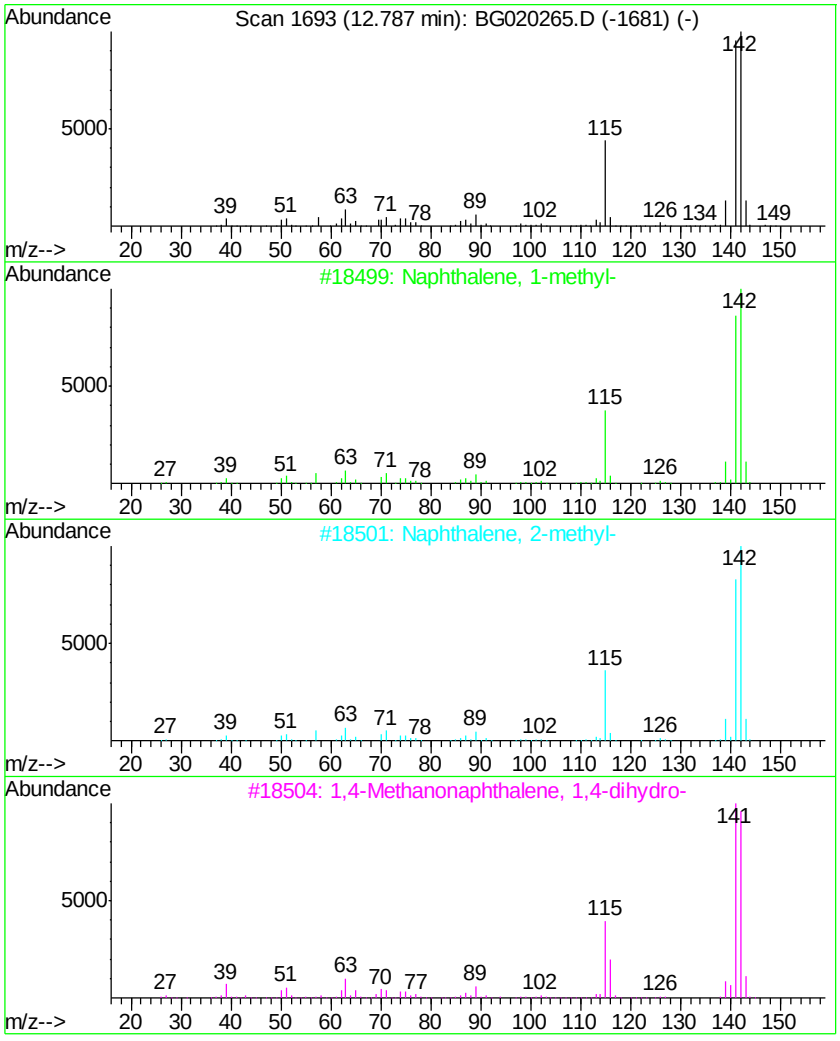
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

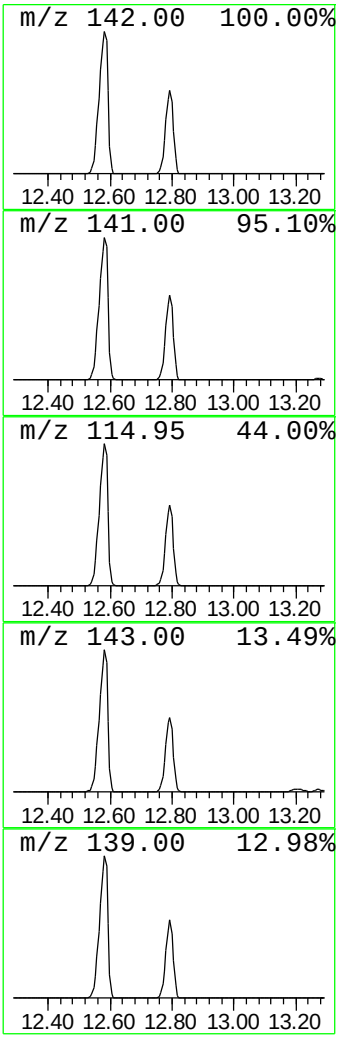
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	5.64 ng/ul	3206160	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

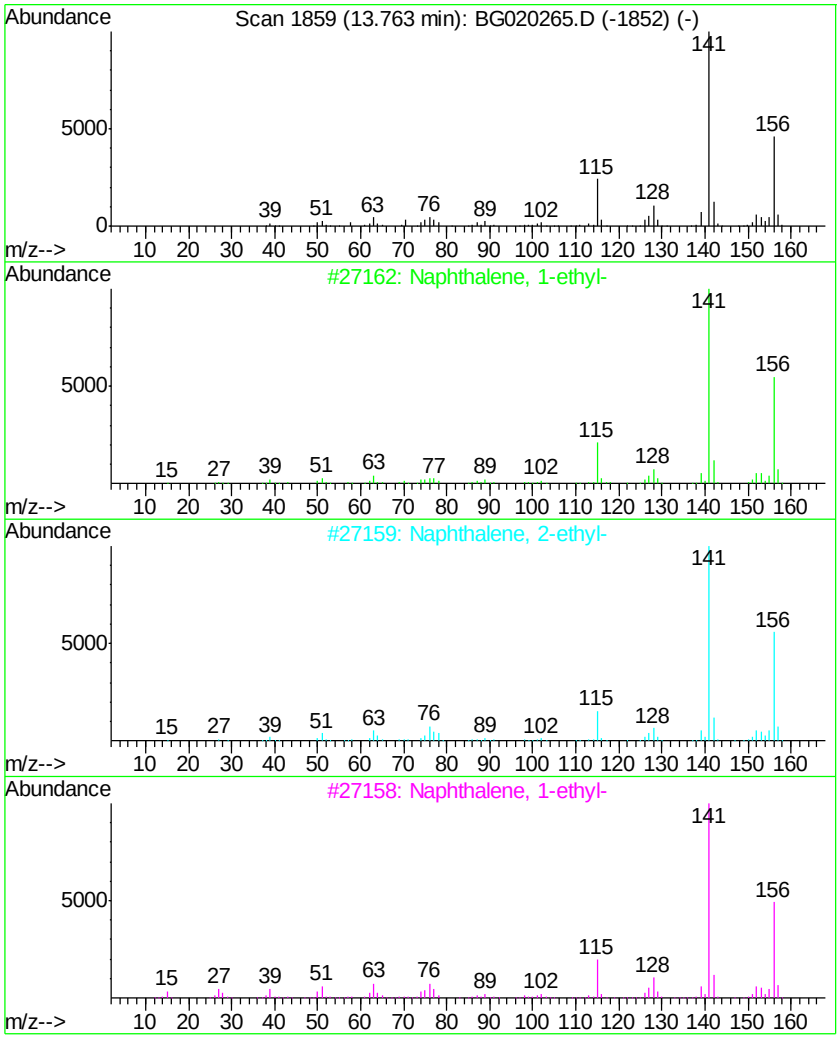
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

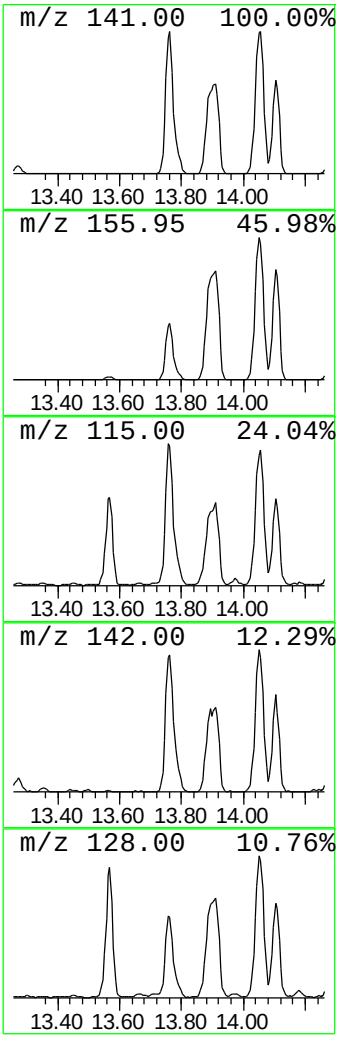
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	16.40 ng/ul	923463	Acenaphthene-d10	14.73

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	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

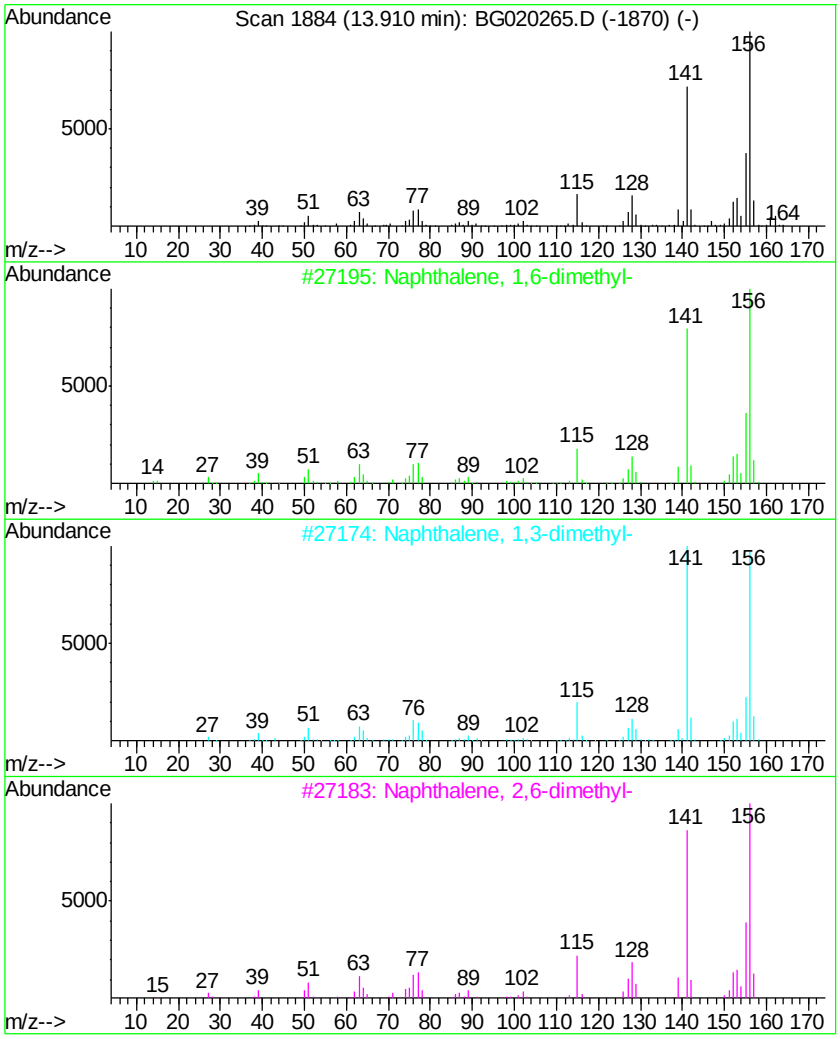
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

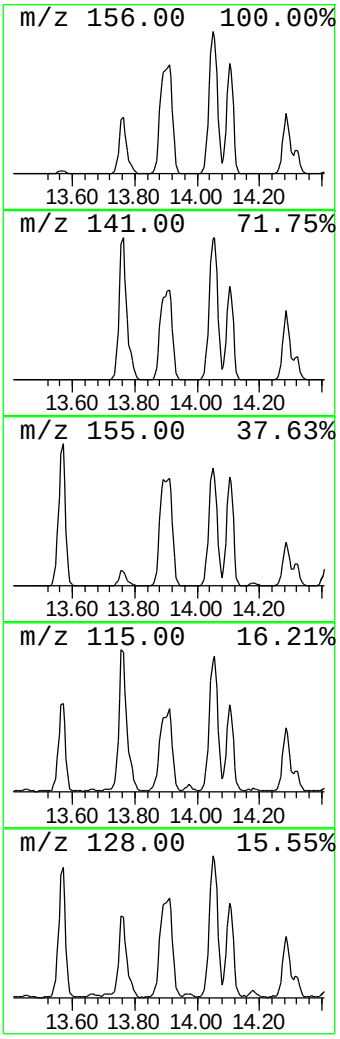
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	28.85 ng/ul	1625110	Acenaphthene-d10	14.73

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

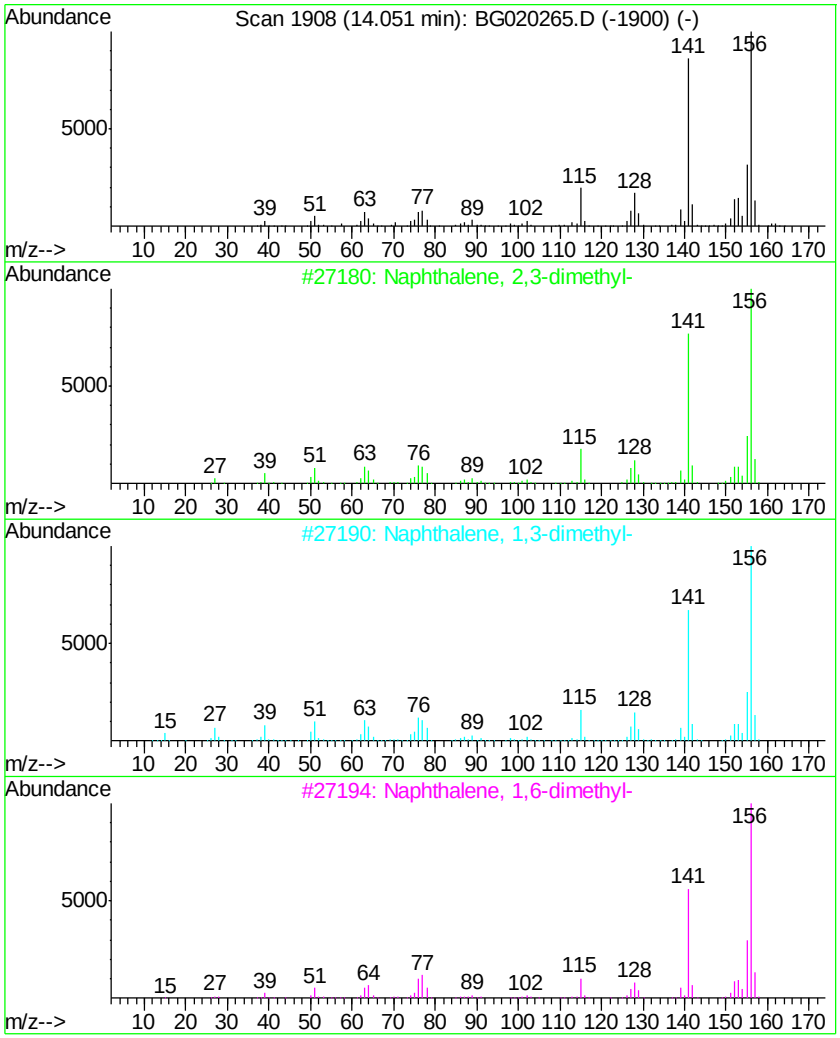
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

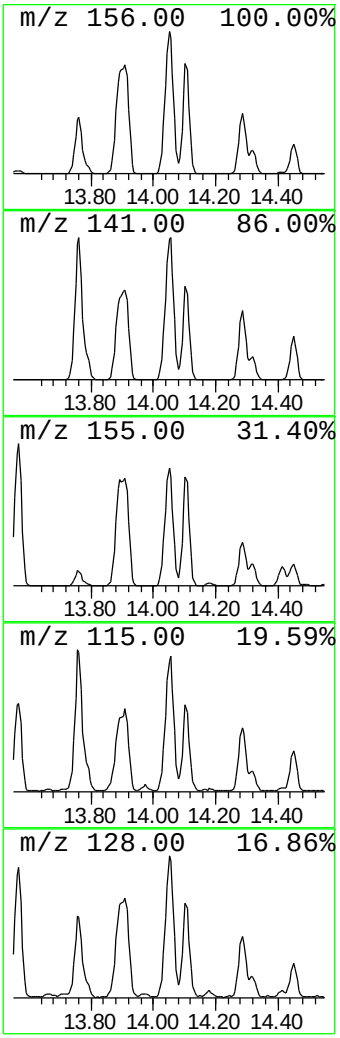
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	26.77 ng/ul	1507580	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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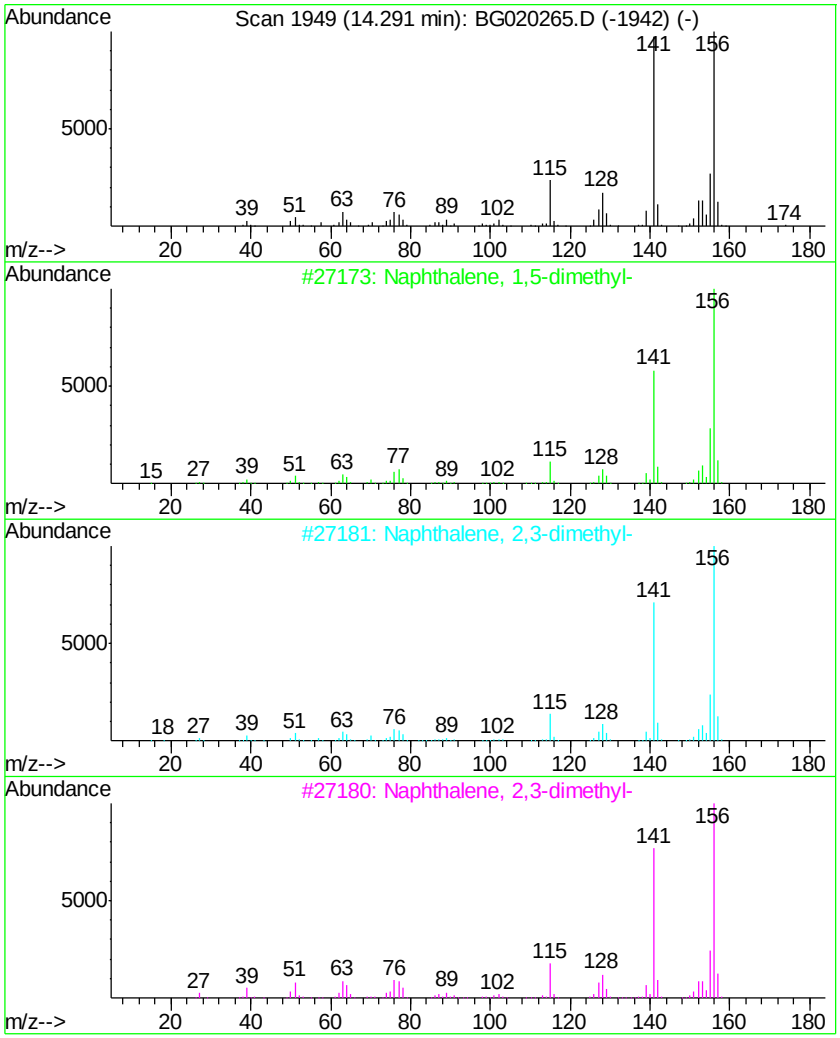
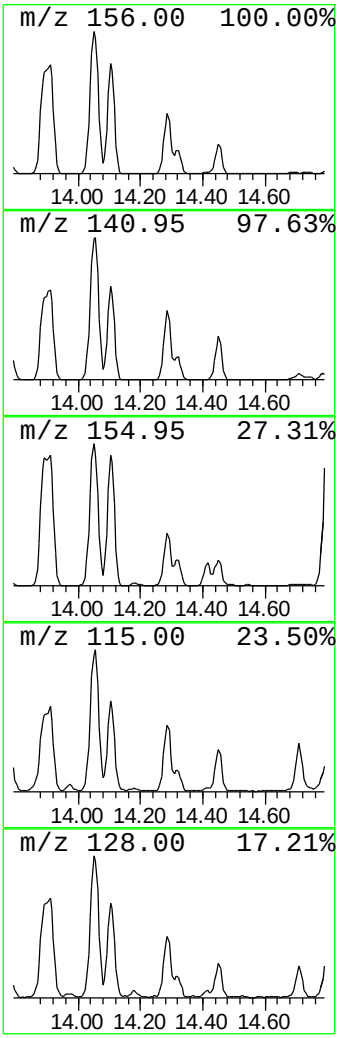
Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	10.04 ng/ul	565282	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

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Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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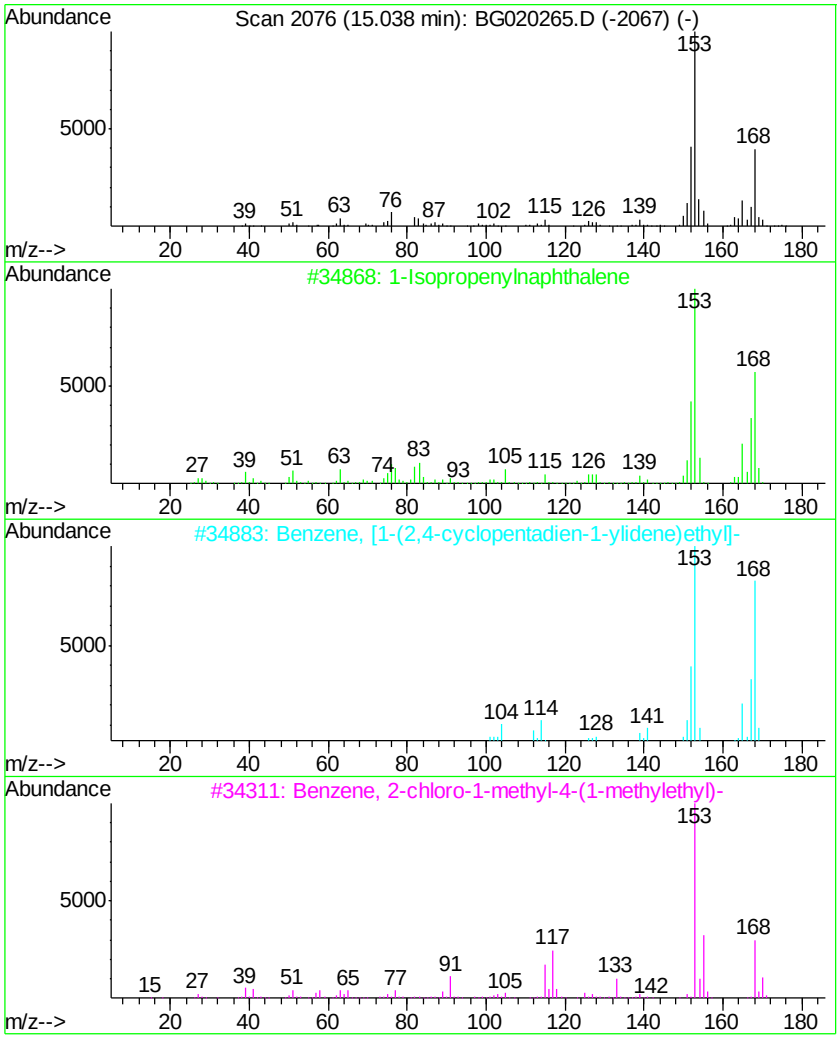
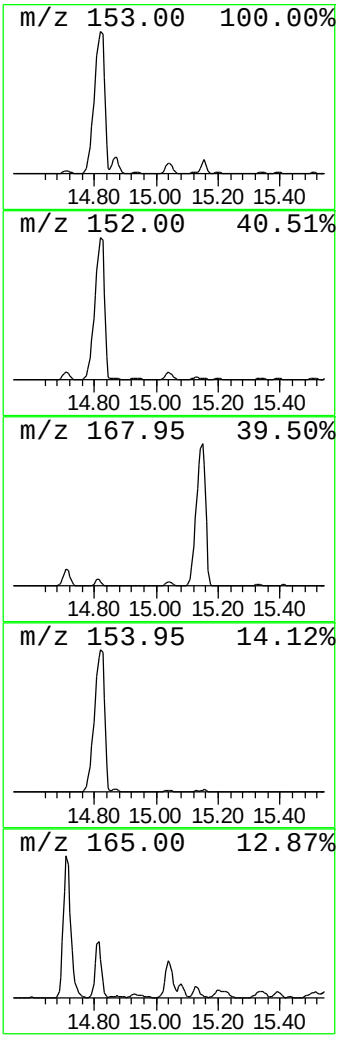
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	10.53 ng/ul	593287	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49





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Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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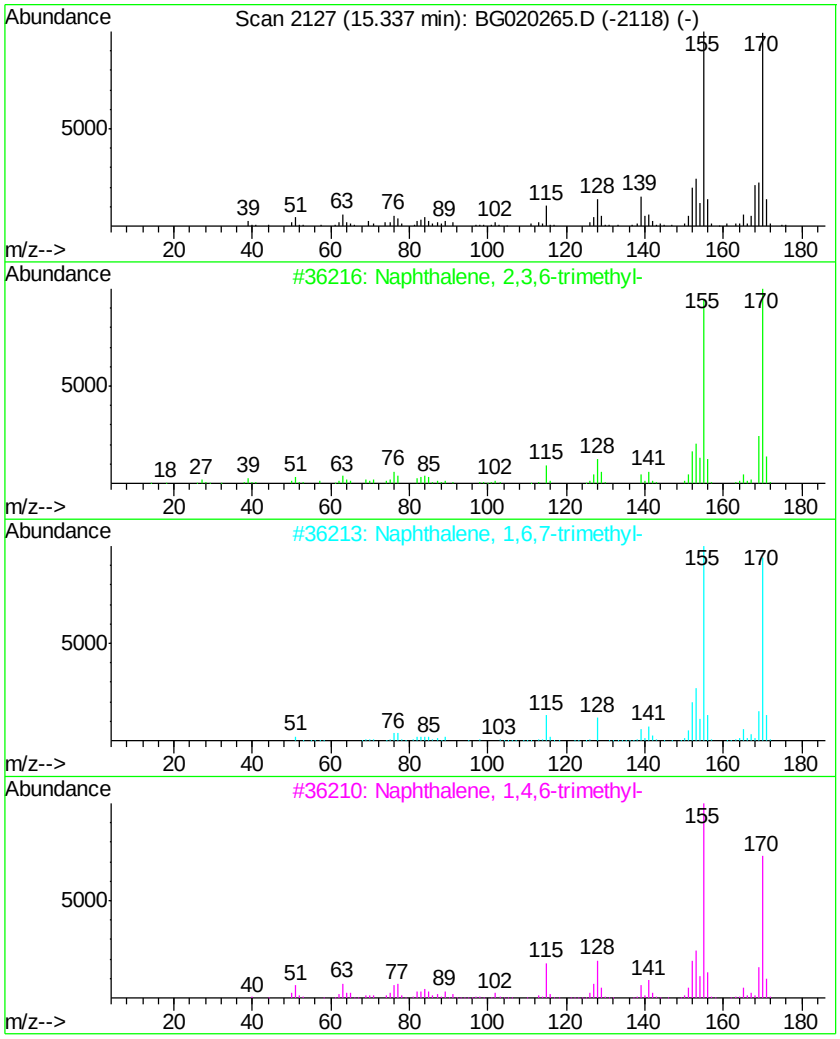
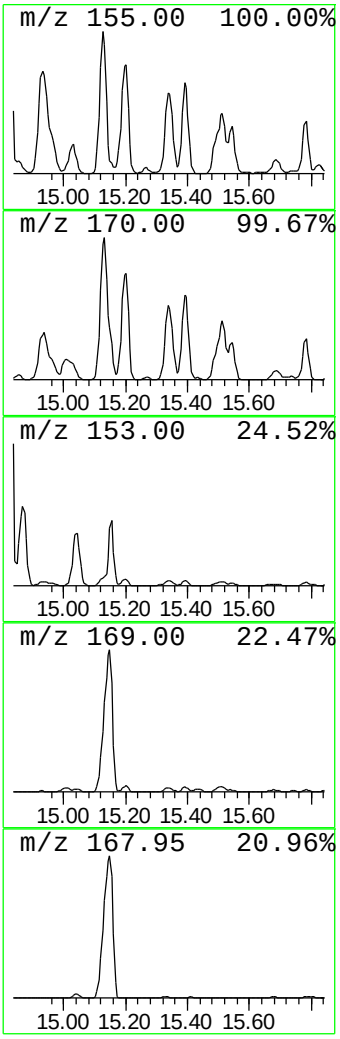
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.42 ng/ul	305351	Acenaphthene-d10	14.73

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	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Library Search Compound Report

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Data File : BG020265.D
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Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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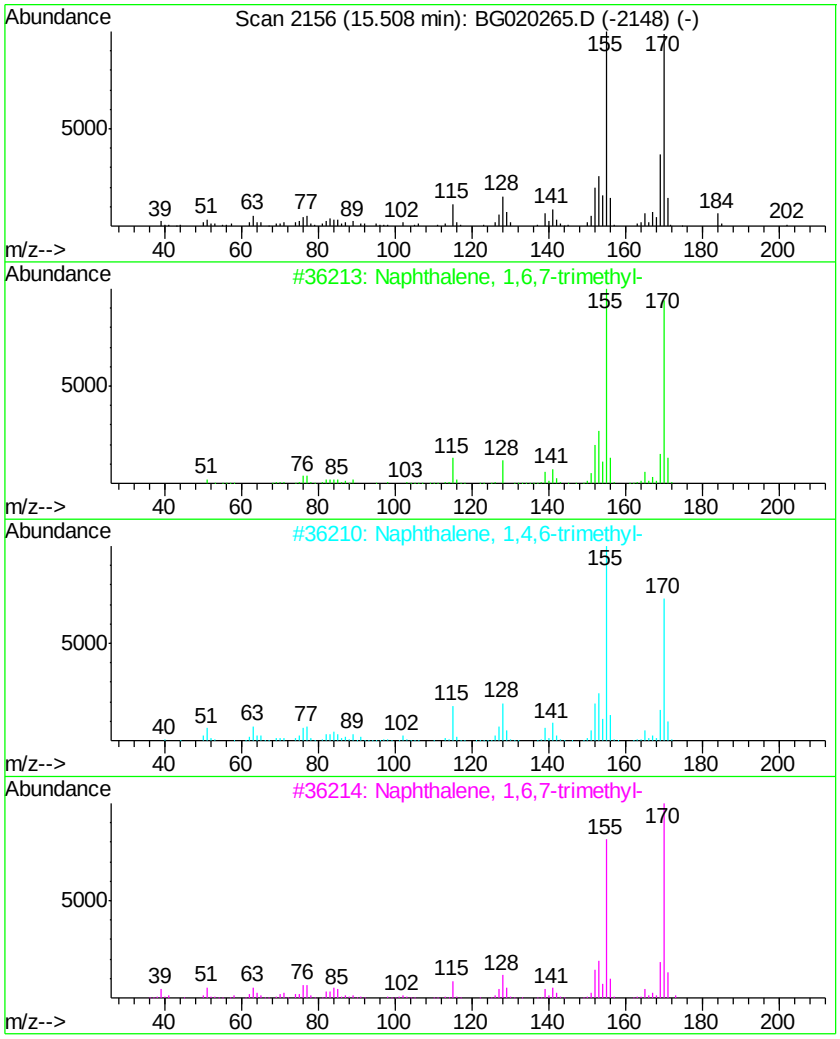
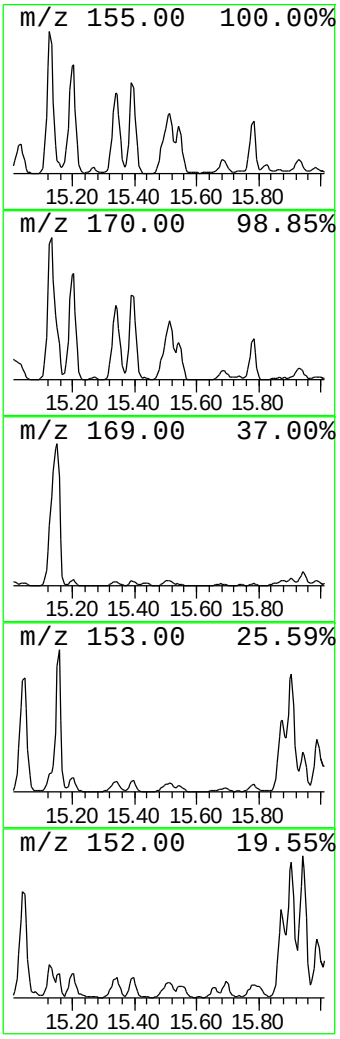
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	4.99 ng/ul	280944	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95





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Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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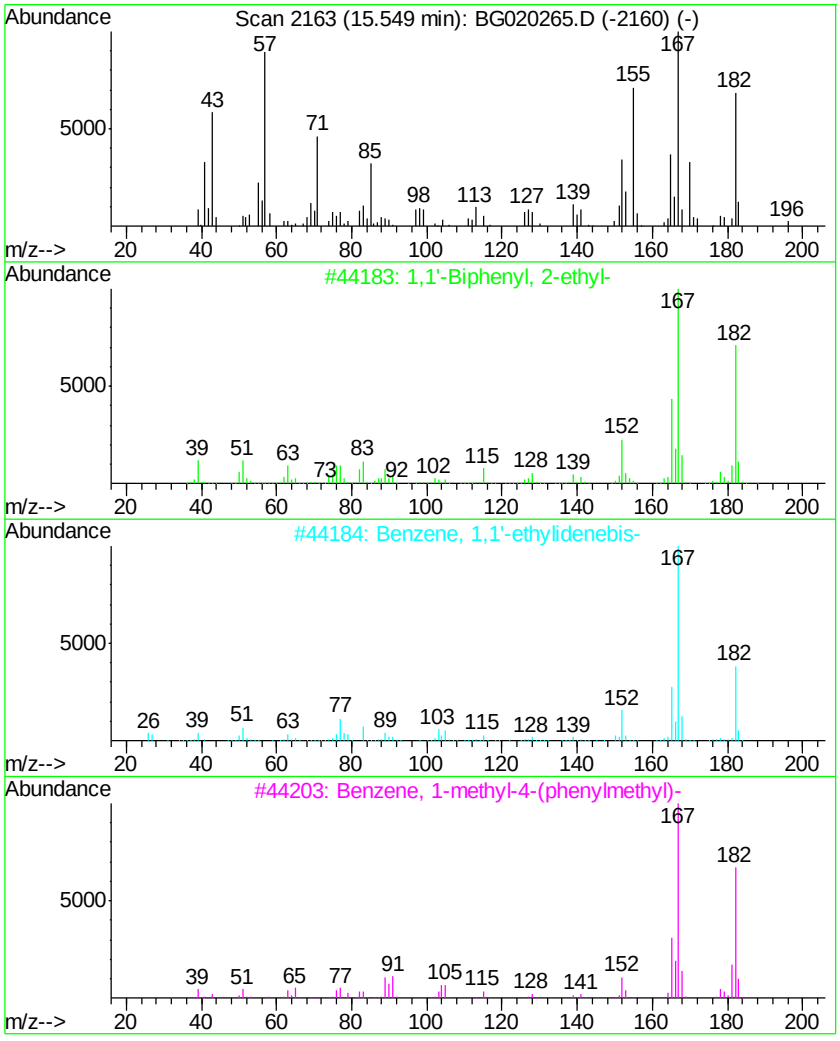
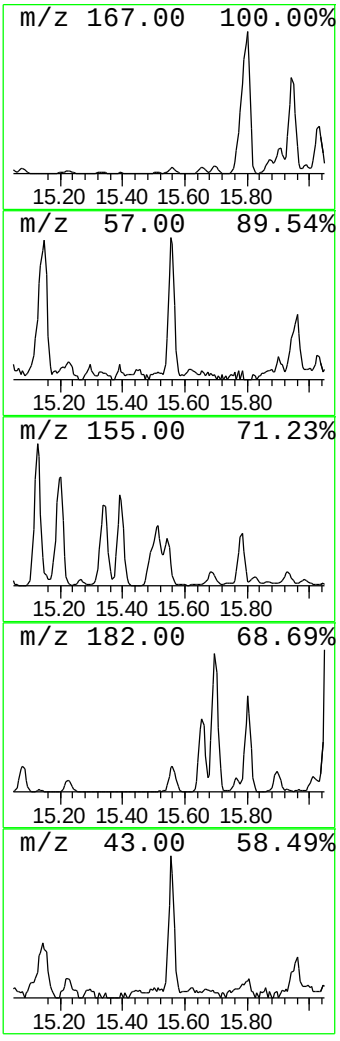
Peak Number 11 unknown15.55 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.35 ng/ul	188562	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	46
2	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	46
3	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	46
4	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	30
5	Dodecane	170	C12H26	000112-40-3	25





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Acq On : 18 Dec 2015 4:01
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Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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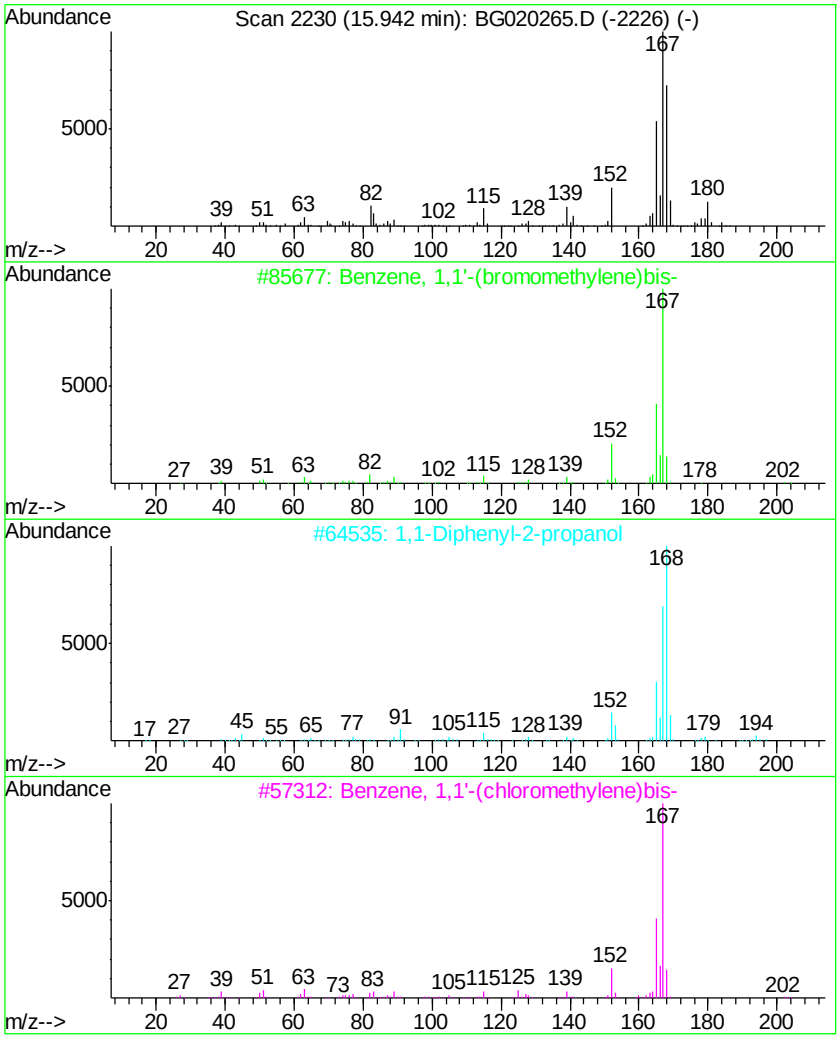
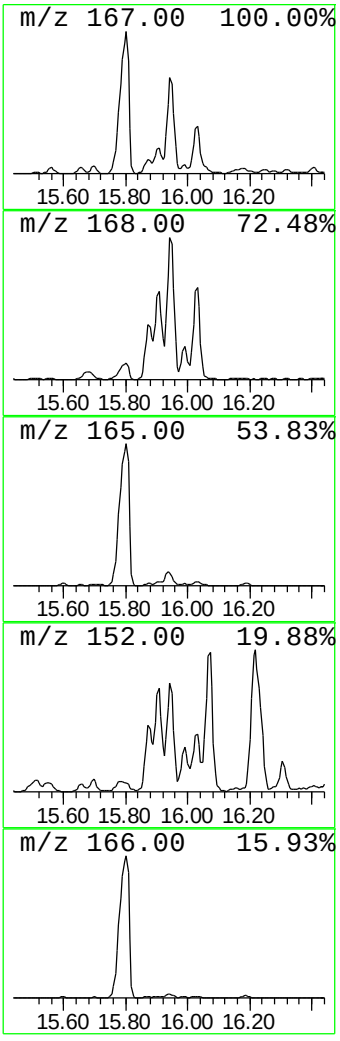
Peak Number 14 Benzene, 1,1'-(bromomethyle... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	24.57 ng/ul	1383910	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	58
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	53
3	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
4	Nordiphenamid	225	C15H15NO	000954-21-2	49
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	49





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Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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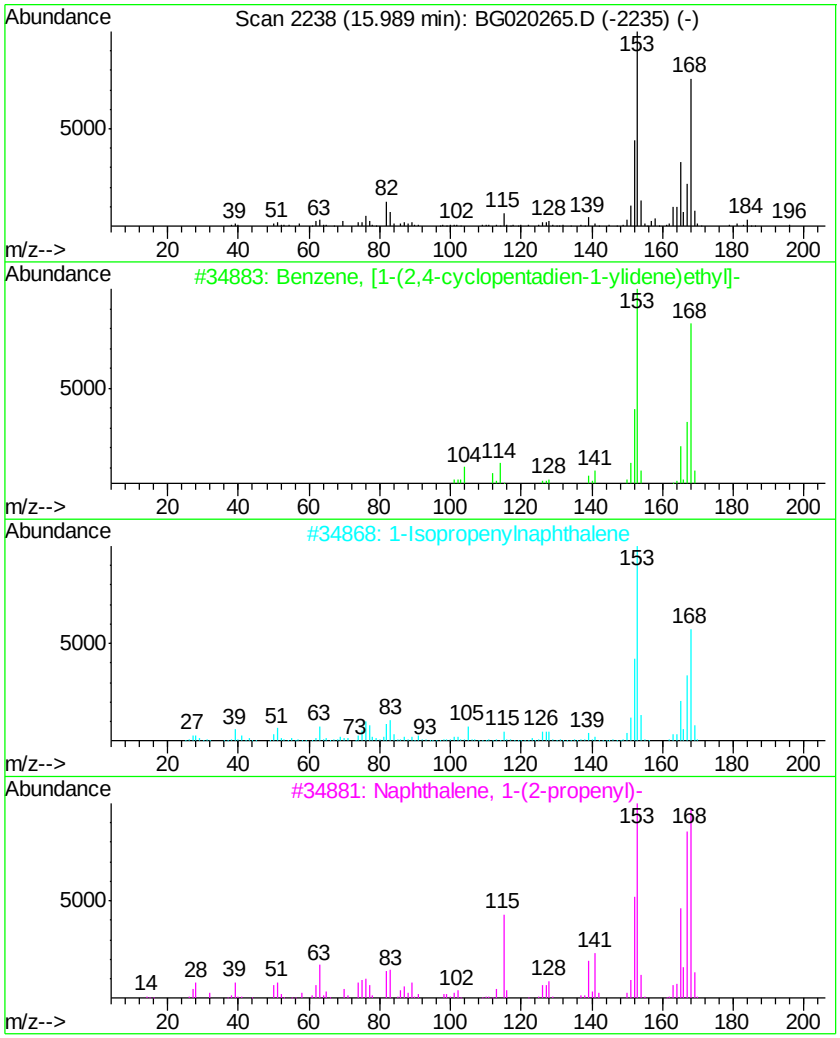
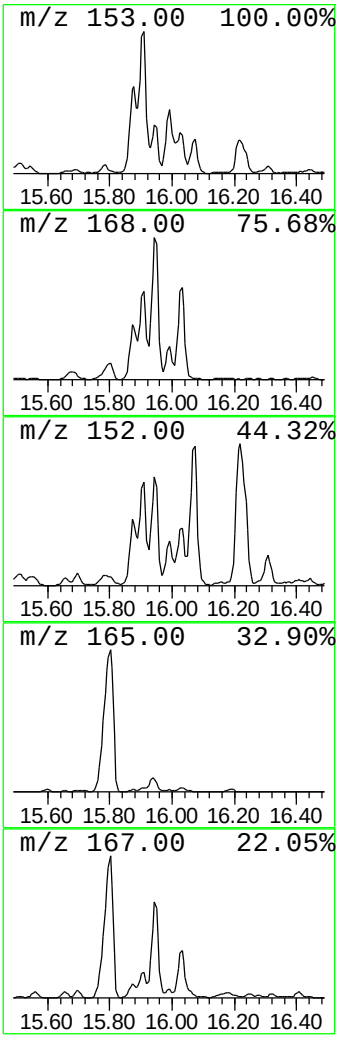
Peak Number 15 Benzene, [1-(2,4-cyclopenta... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.40 ng/ul	360443	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	40





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Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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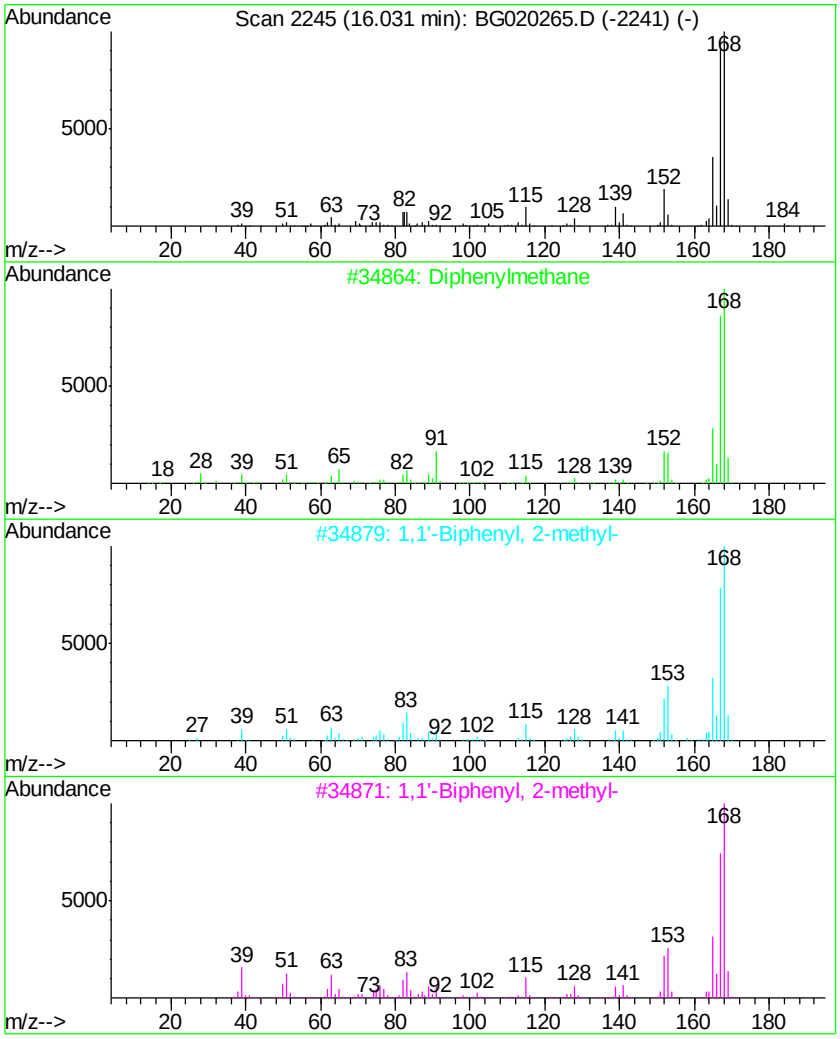
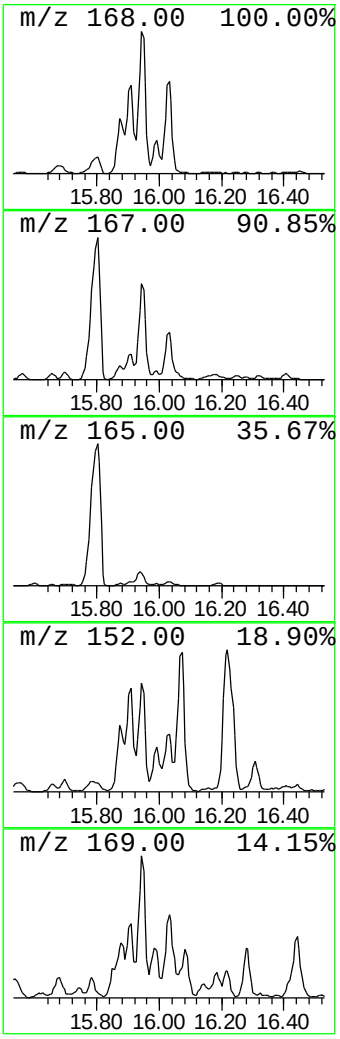
Peak Number 16 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	12.29 ng/ul	691973	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80





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Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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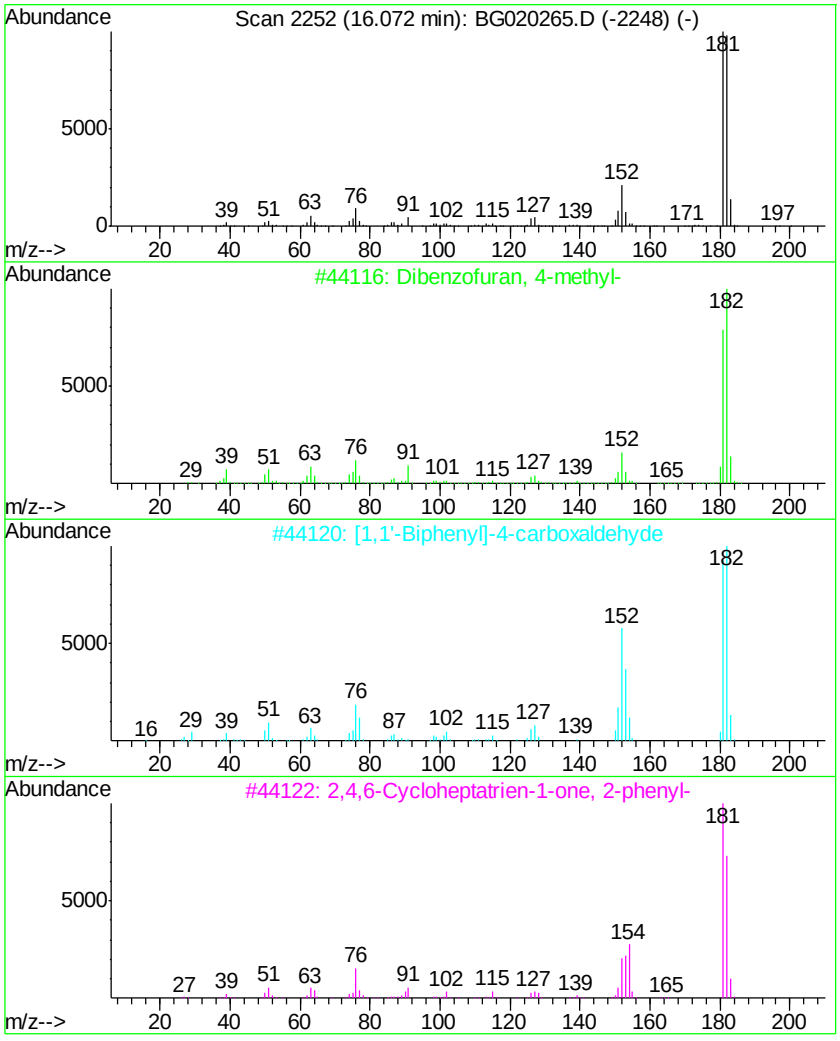
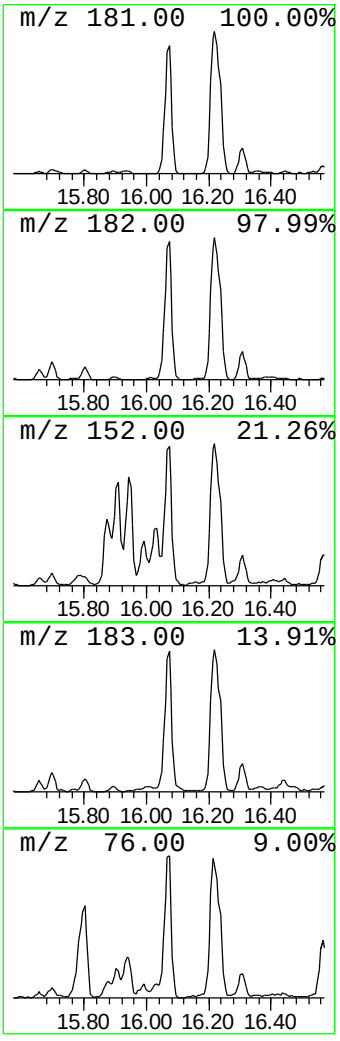
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	24.50 ng/ul	1380170	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Sample : G4767-22DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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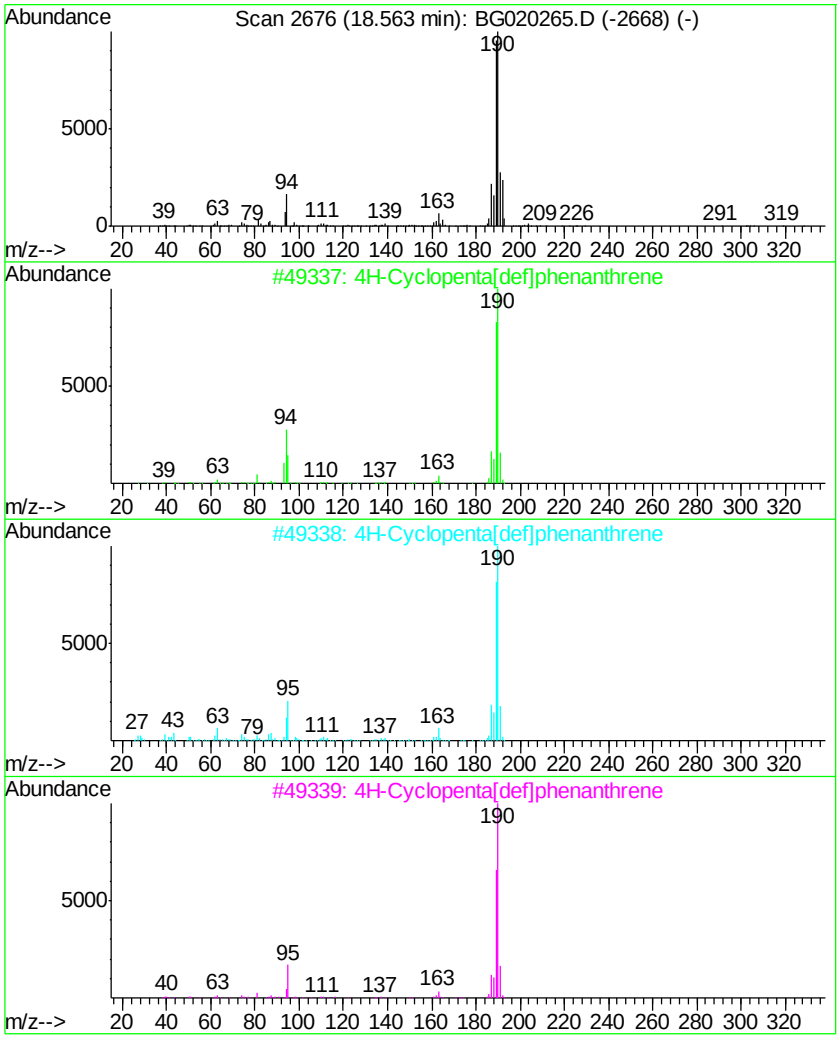
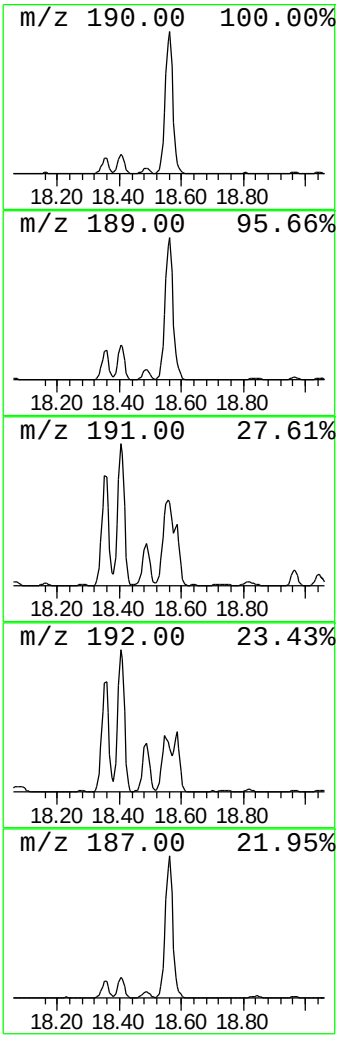
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.98 ng/ul	4771950	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId : D9N44DL

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Quant Title : SVOA CALIBRATION

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

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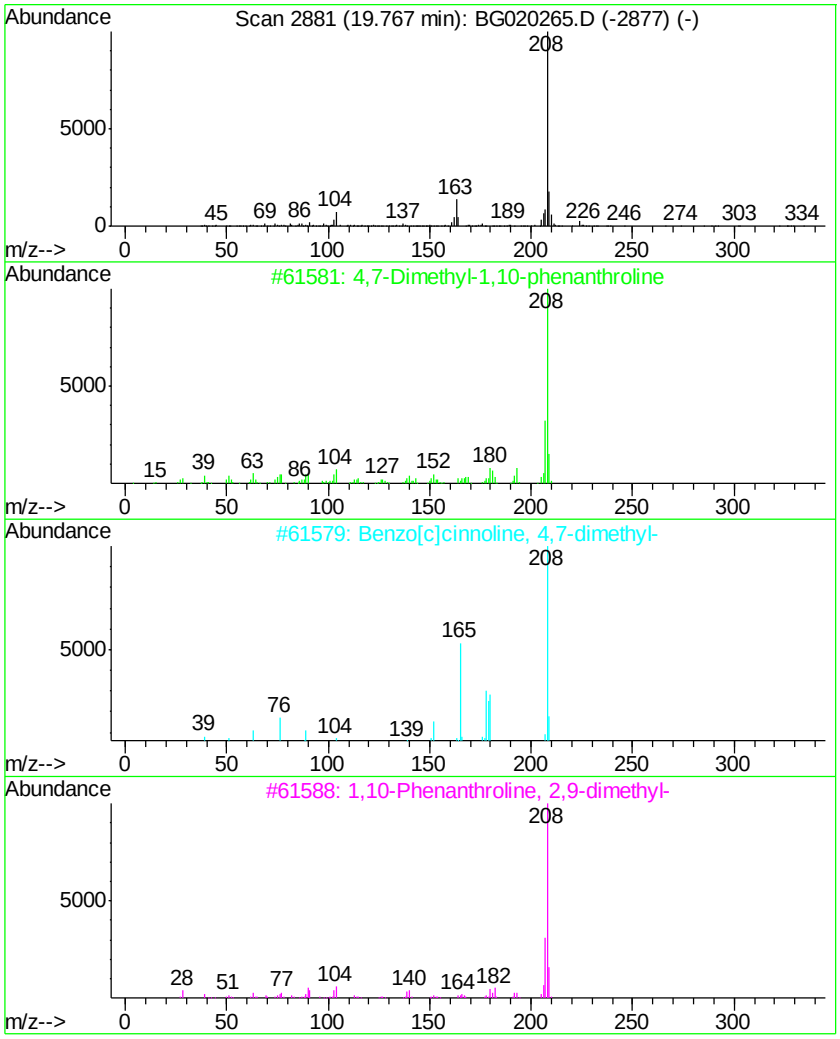
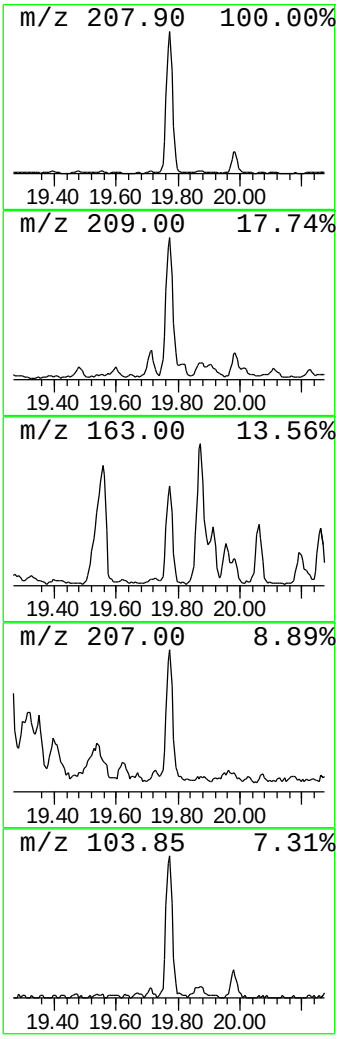
Peak Number 19 4,7-Dimethyl-1,10-phenanthr... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.36 ng/ul	478598	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	64
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
3	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
5	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	59





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

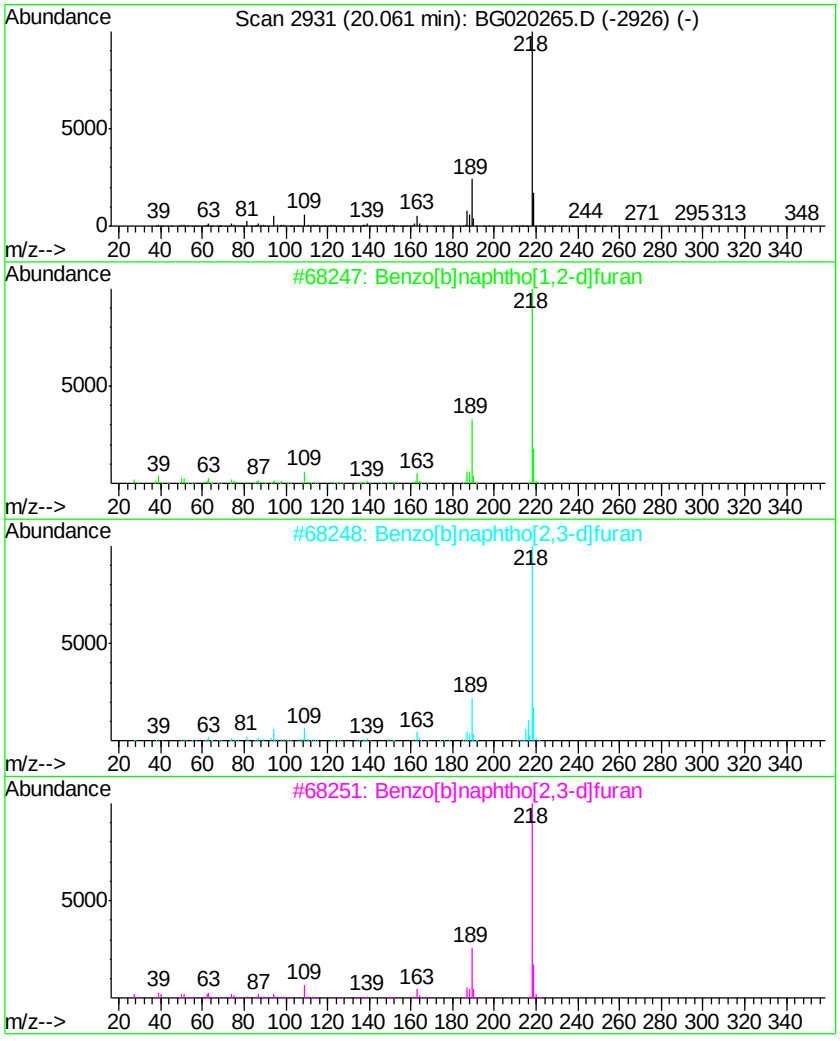
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

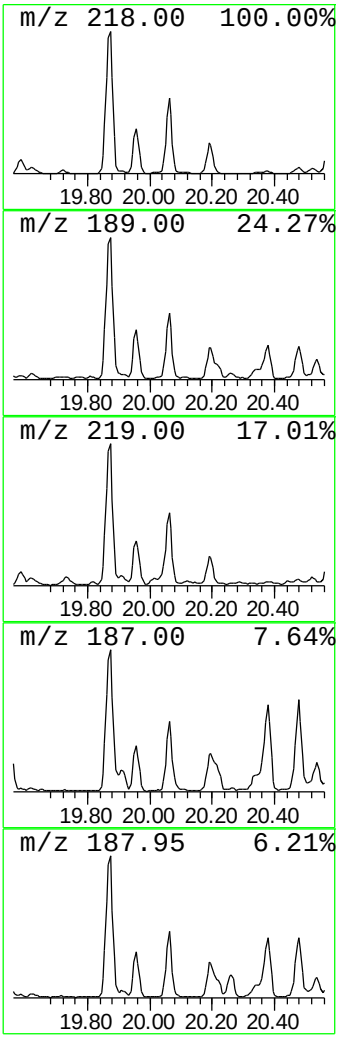
****

Peak Number 20 Benzo[b]naphtho[1,2-d]furan Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.20 ng/ul	651021	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

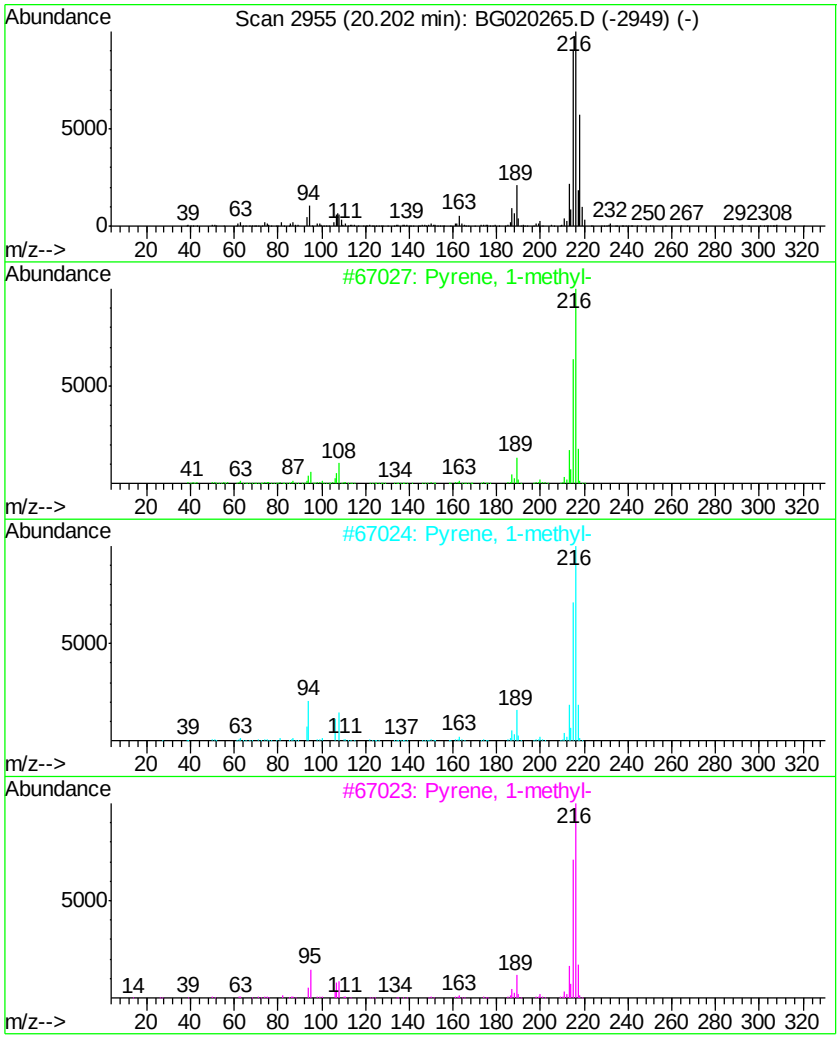
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

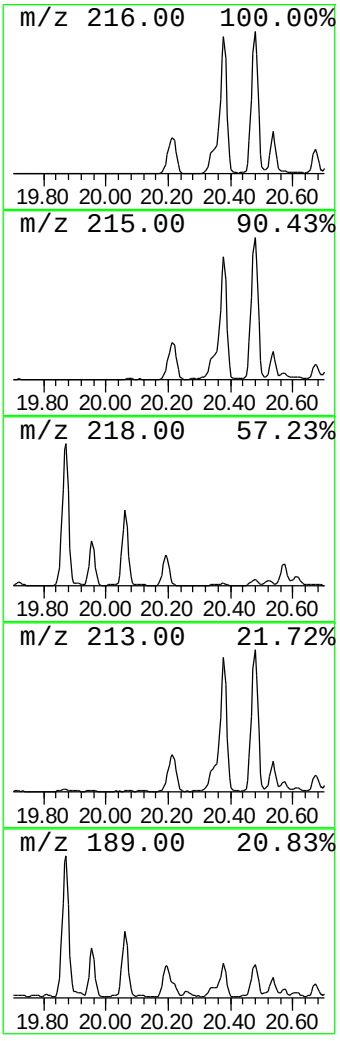
****

Peak Number 21 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.09 ng/ul	626848	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

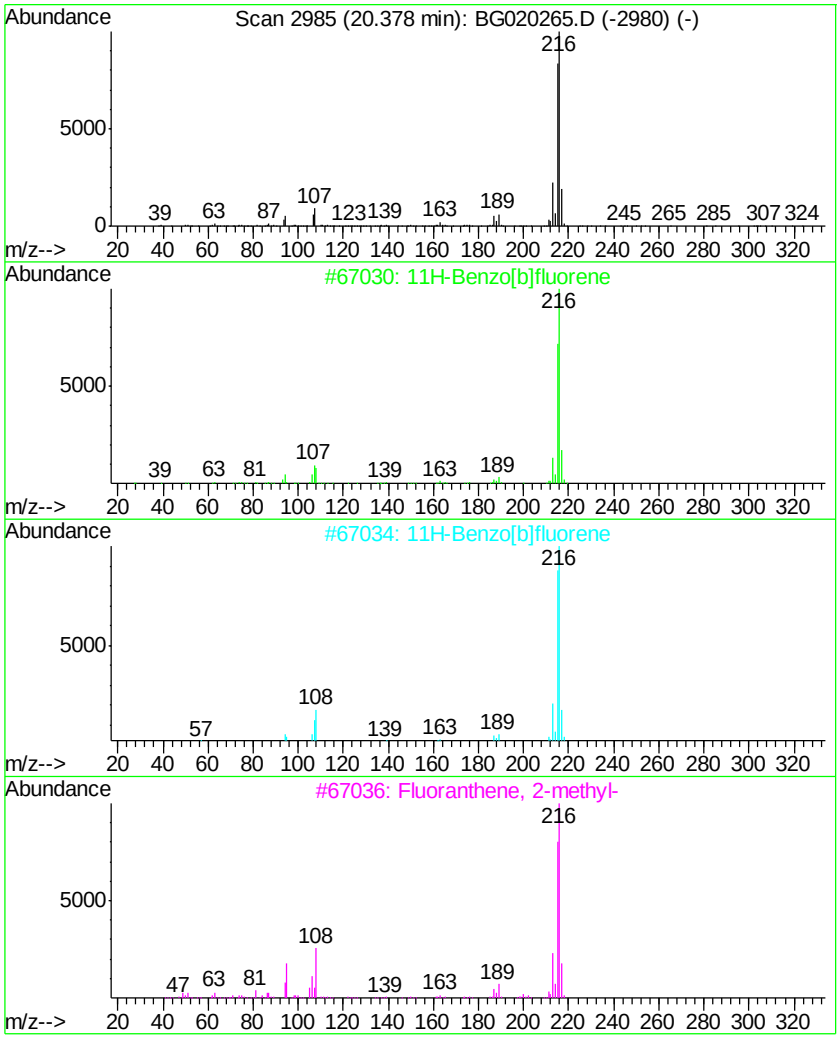
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

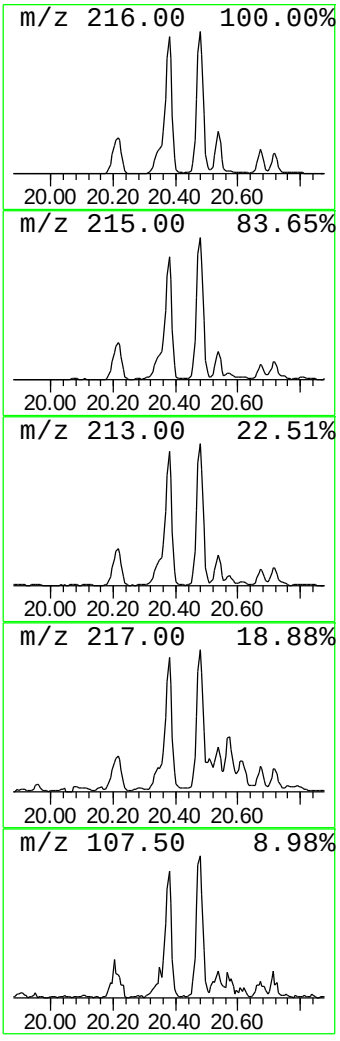
****

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	9.20 ng/ul	1869530	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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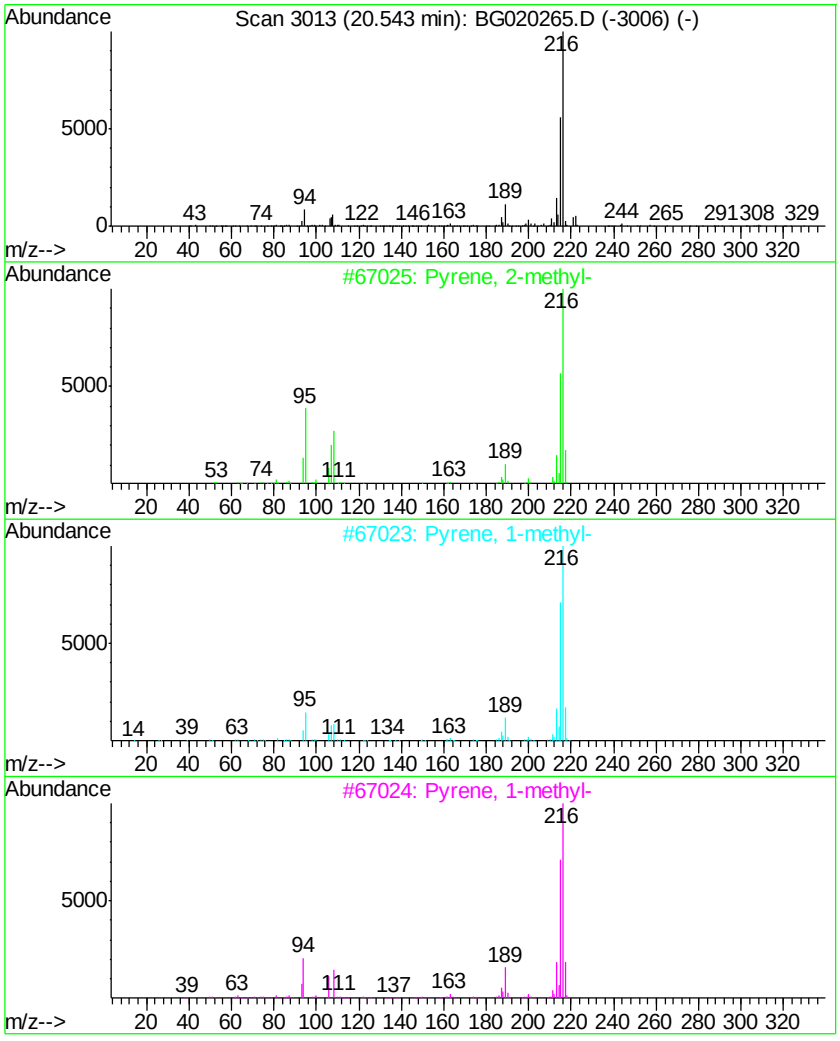
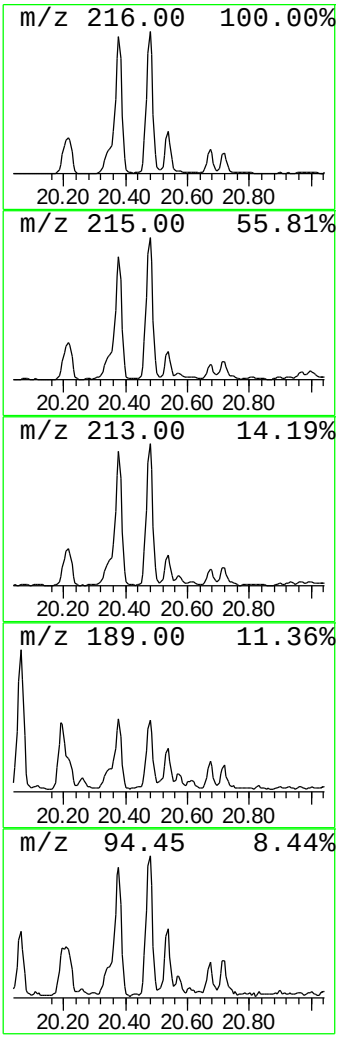
Peak Number 24 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	4.23 ng/ul	858442	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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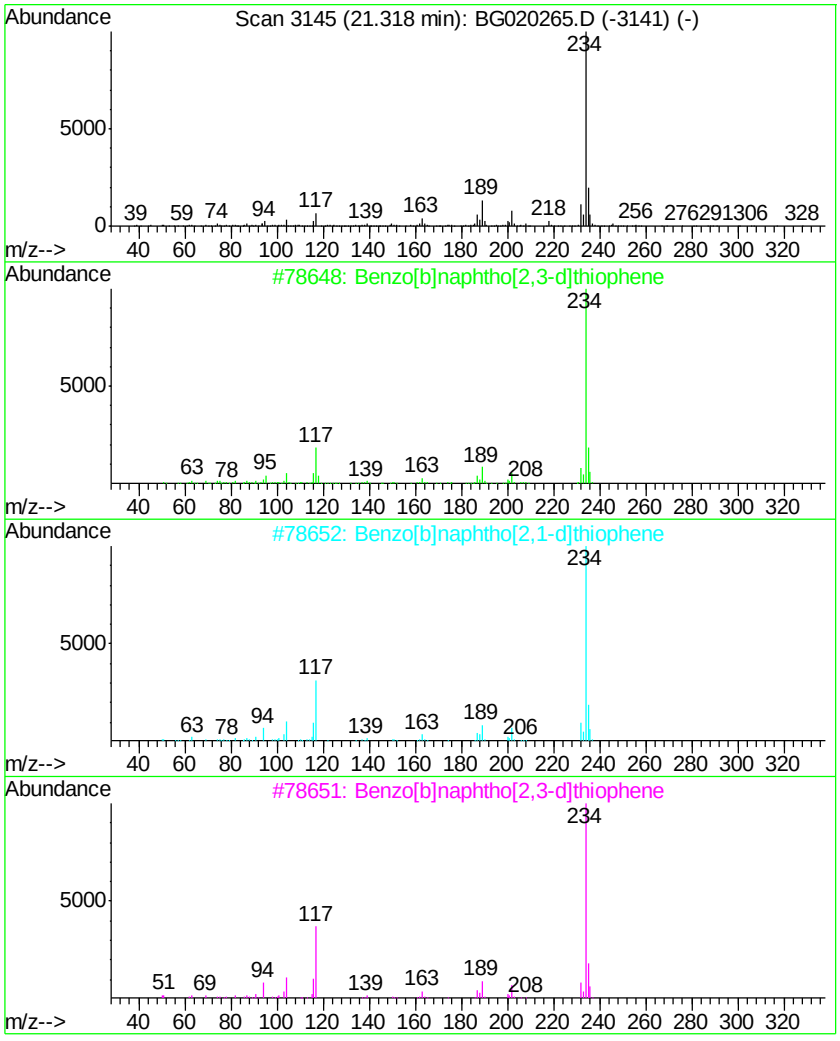
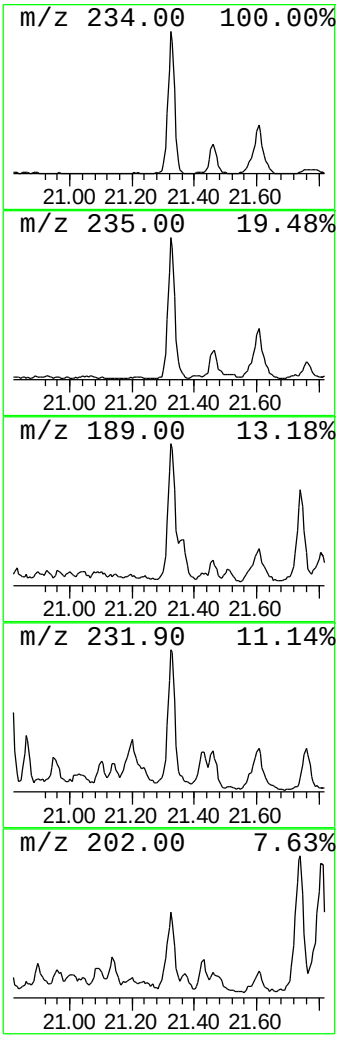
Peak Number 25 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.85 ng/ul	578520	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

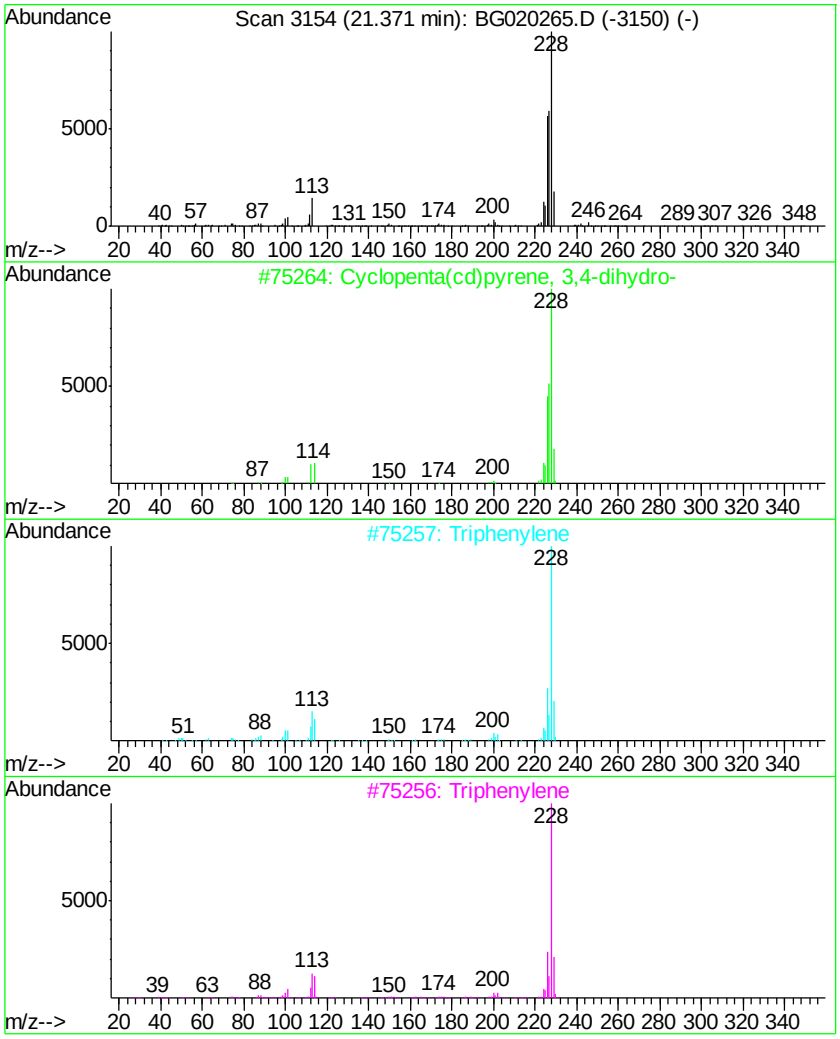
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

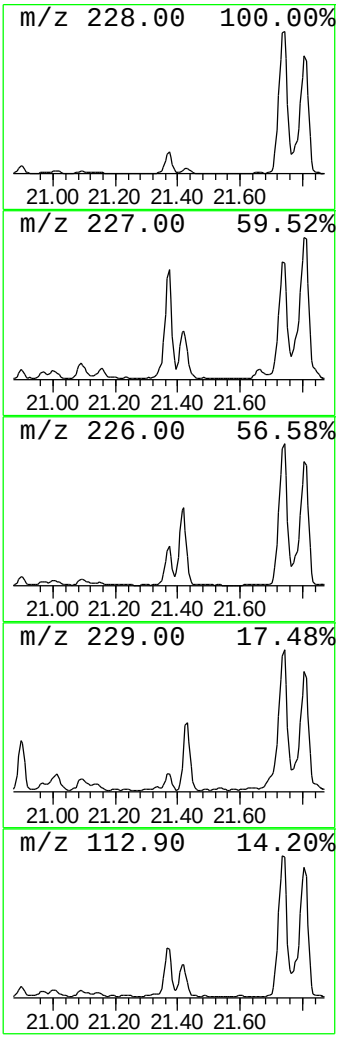
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.67 ng/ul	543322	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
2	Triphenylene	228	C18H12	000217-59-4	55
3	Triphenylene	228	C18H12	000217-59-4	55
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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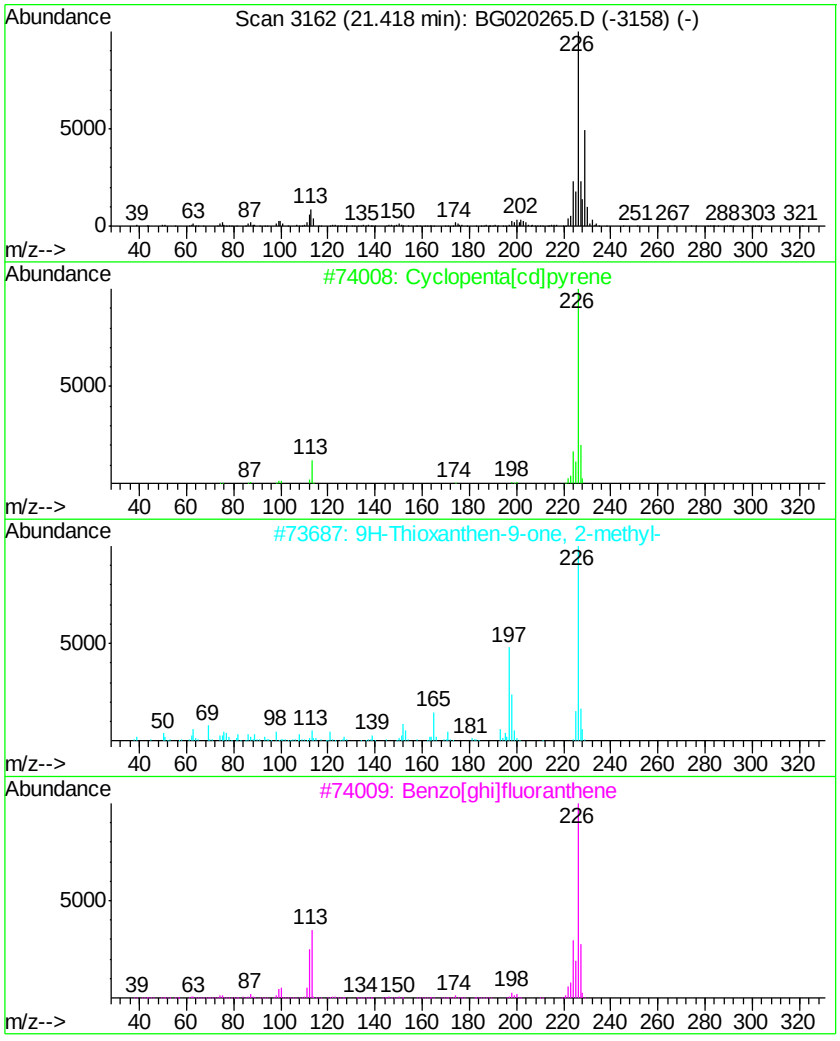
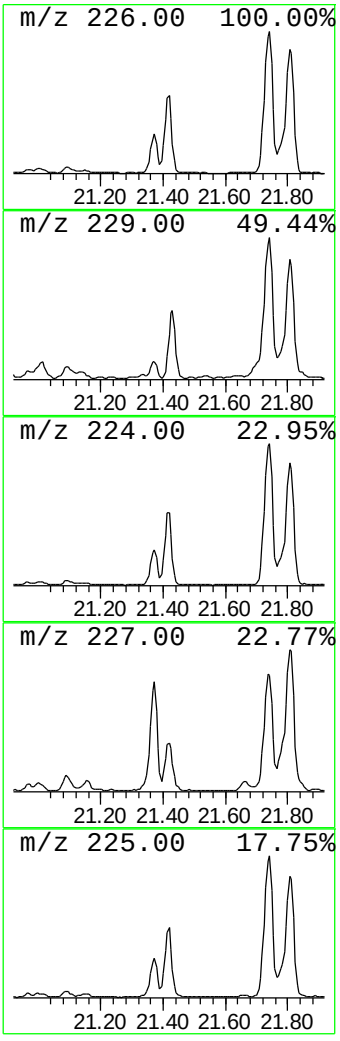
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.79 ng/ul	566381	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	37





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Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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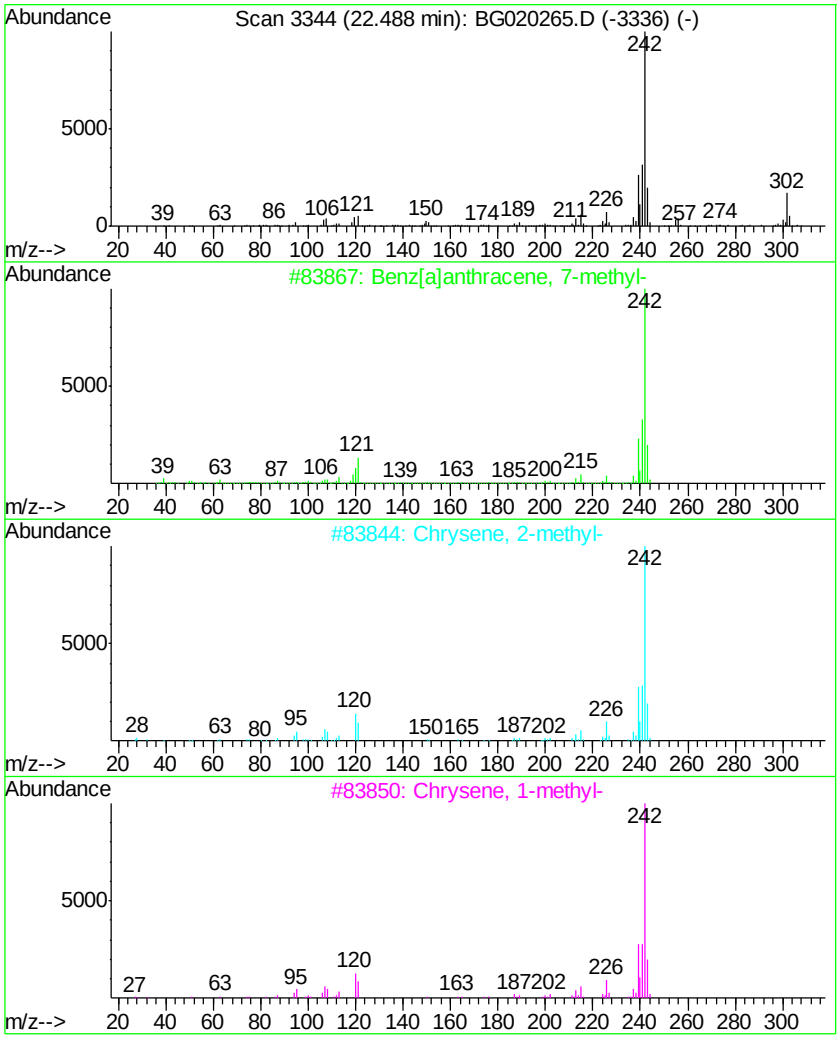
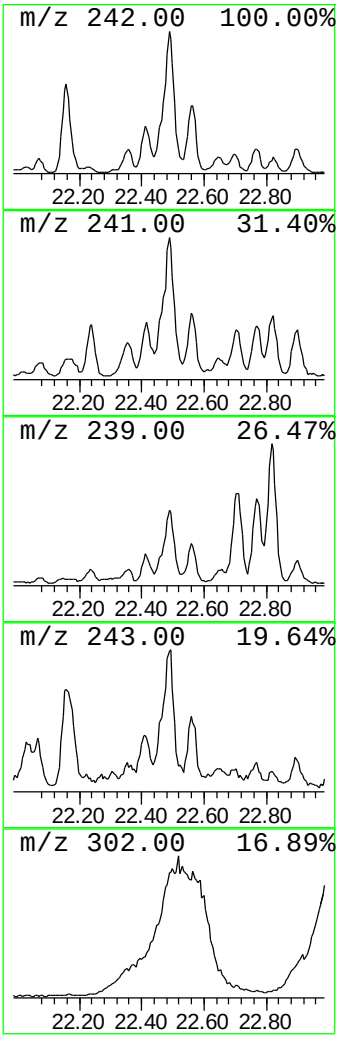
Peak Number 29 Benz[a]anthracene, 7-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	2.24 ng/ul	455547	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





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Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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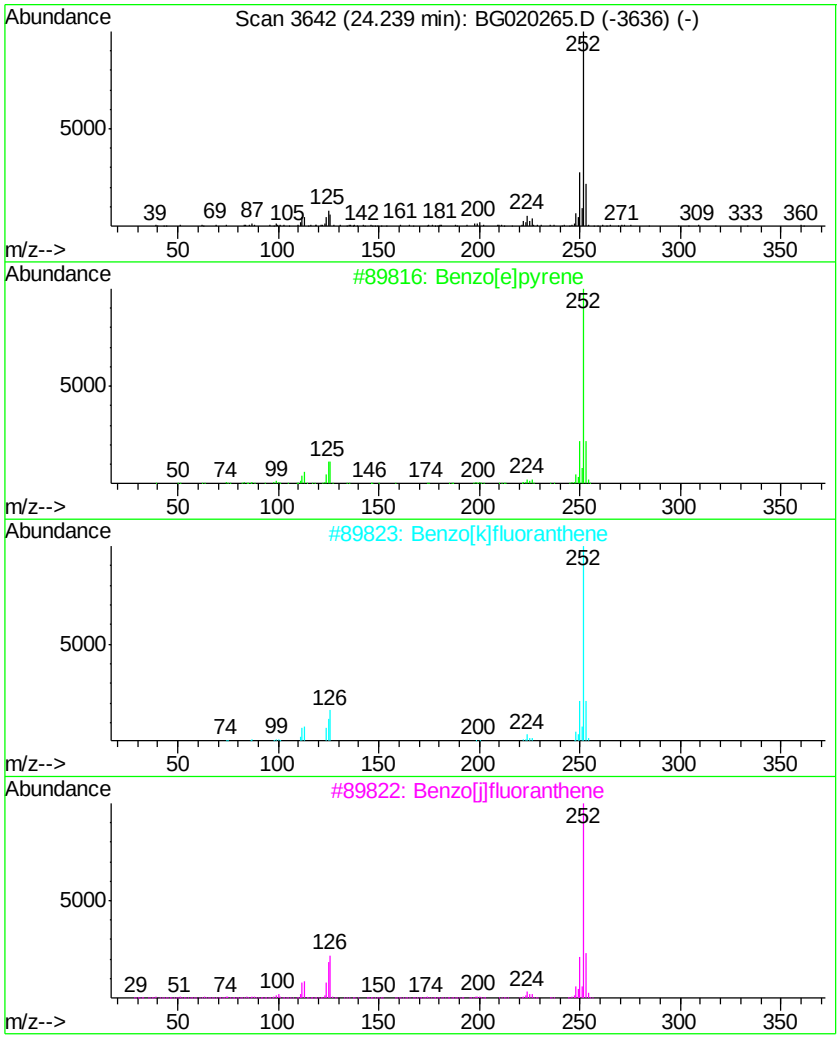
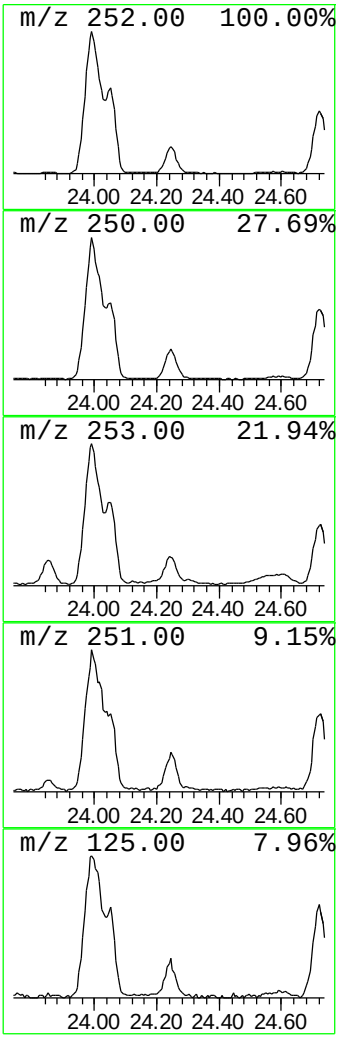
Peak Number 30 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	9.55 ng/ul	256180	Perylene-d12	25.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	87
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020265.D
Acq On : 18 Dec 2015 4:01
Operator : UM/SJ
Sample : G4767-22DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Indene	8.64	20.0	ng/ul	775166	1	8.10	775166	20.0
Naphthalene, 1-me...	12.79	5.6	ng/ul	3206160	2	10.92	11367100	20.0
Naphthalene, 1-et...	13.76	16.4	ng/ul	923463	3	14.73	1126520	20.0
Naphthalene, 1,6-...	13.91	28.9	ng/ul	1625110	3	14.73	1126520	20.0
Naphthalene, 2,3-...	14.05	26.8	ng/ul	1507580	3	14.73	1126520	20.0
Naphthalene, 1,5-...	14.29	10.0	ng/ul	565282	3	14.73	1126520	20.0
1-Isopropenylnaph...	15.04	10.5	ng/ul	593287	3	14.73	1126520	20.0
Naphthalene, 2,3,...	15.34	5.4	ng/ul	305351	3	14.73	1126520	20.0
Naphthalene, 1,6,...	15.51	5.0	ng/ul	280944	3	14.73	1126520	20.0
unknown15.55	15.55	3.4	ng/ul	188562	3	14.73	1126520	20.0
Benzene, 1,1'-(br...	15.94	24.6	ng/ul	1383910	3	14.73	1126520	20.0
Benzene, [1-(2,4-...	15.99	6.4	ng/ul	360443	3	14.73	1126520	20.0
Diphenylmethane	16.03	12.3	ng/ul	691973	3	14.73	1126520	20.0
Dibenzofuran, 4-m...	16.07	24.5	ng/ul	1380170	3	14.73	1126520	20.0
4H-Cyclopenta[def...	18.56	4.0	ng/ul	4771950	4	17.49	24009500	20.0
4,7-Dimethyl-1,10...	19.77	2.4	ng/ul	478598	5	21.76	4062620	20.0
Benzo[b]naphtho[1...	20.06	3.2	ng/ul	651021	5	21.76	4062620	20.0
Pyrene, 1-methyl-	20.20	3.1	ng/ul	626848	5	21.76	4062620	20.0
11H-Benzo[b]fluorene	20.38	9.2	ng/ul	1869530	5	21.76	4062620	20.0
Pyrene, 2-methyl-	20.54	4.2	ng/ul	858442	5	21.76	4062620	20.0
Benzo[b]naphtho[2...	21.32	2.9	ng/ul	578520	5	21.76	4062620	20.0
Cyclopenta(cd)pyr...	21.37	2.7	ng/ul	543322	5	21.76	4062620	20.0
Cyclopenta[cd]pyrene	21.42	2.8	ng/ul	566381	5	21.76	4062620	20.0
Benz[a]anthracene...	22.49	2.2	ng/ul	455547	5	21.76	4062620	20.0
Benzo[e]pyrene	24.24	9.6	ng/ul	256180	6	25.03	536680	20.0