LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG123015.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.076	35	40	49	rBV	40310	72309	0.48%	0.109%
2	4.733	315	322	332	rBV	142383	231626	1.55%	0.349%
3	7.377	766	772	779	rBV	60443	102899	0.69%	0.155%
4	7.588	802	808	816	rBV	62405	105775	0.71%	0.160%
5	7.700	821	827	835	rVV2	54906	91502	0.61%	0.138%
6	8.058	882	888	895	rBV	68324	116076	0.78%	0.175%
7	8.434	944	952	960	rBB	100426	173804	1.17%	0.262%
8	8.599	973	980	991	rVV	558362	964952	6.47%	1.456%
9	8.769	1002	1009	1019	rBV	52416	94149	0.63%	0.142%
10	9.228	1081	1087	1096	rBV	82959	163620	1.10%	0.247%
11	9.545	1129	1141	1147	rBV	54702	121816	0.82%	0.184%
12	9.956	1204	1211	1222	rBB	73123	131672	0.88%	0.199%
13	10.268	1257	1264	1275	rBV4	45010	145452	0.98%	0.219%
14	10.373	1275	1282	1294	rVB3	34787	93787	0.63%	0.141%
15	10.503	1297	1304	1312	rBV	133929	252828	1.70%	0.381%
16	10.979	1363	1385	1390	rVV	4972219	14909276	100.00%	22.489%
17	11.061	1392	1399	1407	rVB	434795	717830	4.81%	1.083%
18	11.701	1502	1508	1517	rBB3	29556	54498	0.37%	0.082%
19	12.424	1625	1631	1641	rVB	58523	102961	0.69%	0.155%
20	12.541	1641	1651	1662	rBV	2199490	3894835	26.12%	5.875%
21	12.647	1662	1669	1675	rVV	76729	138758	0.93%	0.209%
22	12.753	1675	1687	1695	rVB	1352821	2395683	16.07%	3.614%
23	13.170	1752	1758	1765	rBV	34884	60300	0.40%	0.091%
24	13.528	1812	1819	1830	rBV	690186	1078826	7.24%	1.627%
25	13.722	1846	1852	1864	rVB	131730	281500	1.89%	0.425%
26	13.869	1864	1877	1885	rBV3	151650	413479	2.77%	0.624%
27	14.016	1894	1902	1907	rVV	258679	477909	3.21%	0.721%
28	14.069	1907	1911	1913	rVV	172379	256166	1.72%	0.386%
29	14.098	1913	1916	1921	rVV	257328	361186	2.42%	0.545%
30	14.251	1936	1942	1946	rBV	105529	173306	1.16%	0.261%
31	14.392	1959	1966	1968	rBV	265616	429258	2.88%	0.647%
32	14.422	1968	1971	1978	rVB	337470	495806	3.33%	0.748%
33	14.668	2007	2013	2015	rBV	128453	185691	1.25%	0.280%
34	14.698	2015	2018	2023	rVV2	169127	284196	1.91%	0.429%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG123015.M
Title : SVOA CALIBRATION

35	14.780	2023	2032	2037	rVV	3238416	5862774	39.32%	8.843%
36	14.839	2037	2042	2048	rVV	783091	1213718	8.14%	1.831%
37	14.903	2048	2053	2060	rVV4	29410	67525	0.45%	0.102%
38	15.003	2065	2070	2075	rVV	72107	125972	0.84%	0.190%
39	15.103	2079	2087	2095	rVV2	1928049	3640938	24.42%	5.492%
40	15.303	2113	2121	2127	rBV2	31880	59978	0.40%	0.090%
41	15.368	2127	2132	2137	rBV3	20725	53312	0.36%	0.080%
42	15.691	2182	2187	2191	rVV	344292	561213	3.76%	0.847%
43	15.755	2191	2198	2204	rVV	2087799	3470933	23.28%	5.236%
44	15.820	2204	2209	2213	rVV4	120415	244412	1.64%	0.369%
45	15.867	2213	2217	2220	rVV2	118778	213819	1.43%	0.323%
46	15.902	2220	2223	2228	rVV2	162033	267561	1.79%	0.404%
47	15.955	2228	2232	2235	rVV2	58541	109482	0.73%	0.165%
48	15.990	2235	2238	2241	rVV	82369	121161	0.81%	0.183%
49	16.031	2241	2245	2255	rVV	150376	238573	1.60%	0.360%
50	16.178	2255	2270	2279	rVV3	194727	482339	3.24%	0.728%
51	16.266	2279	2285	2290	rVV2	25573	54880	0.37%	0.083%
52	16.419	2300	2311	2318	rVB4	54315	102735	0.69%	0.155%
53	16.531	2323	2330	2336	rBV	139056	202803	1.36%	0.306%
54	16.595	2336	2341	2353	rVB2	45771	106391	0.71%	0.160%
55	16.701	2353	2359	2362	rBV3	52729	109094	0.73%	0.165%
56	16.742	2363	2366	2371	rVV	79936	115074	0.77%	0.174%
57	16.789	2371	2374	2385	rVB	32378	57632	0.39%	0.087%
58	16.889	2385	2391	2396	rVB	37652	55452	0.37%	0.084%
59	17.095	2417	2426	2433	rVB	93202	159369	1.07%	0.240%
60	17.259	2449	2454	2461	rVB	290418	445965	2.99%	0.673%
61	17.389	2472	2476	2479	rBV	29075	47606	0.32%	0.072%
62	17.447	2479	2486	2488	rBV2	214891	365670	2.45%	0.552%
63	17.500	2488	2495	2499	rVB	2838198	4782977	32.08%	7.215%
64	17.547	2499	2503	2507	rBV2	584005	817220	5.48%	1.233%
65	17.635	2513	2518	2528	rVB5	51493	114443	0.77%	0.173%
66	17.859	2543	2556	2562	rVV	1770335	3157978	21.18%	4.764%
67	17.959	2562	2573	2577	rVV3	94433	266924	1.79%	0.403%
68	18.000	2577	2580	2586	rVV	98171	162433	1.09%	0.245%
69	18.094	2586	2596	2600	rVV3	141233	270022	1.81%	0.407%
70	18.135	2600	2603	2608	rVV3	38540	66861	0.45%	0.101%
71	18.276	2623	2627	2630	rBV	64888	92269	0.62%	0.139%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG123015.M
Title : SVOA CALIBRATION

72	18.317	2630	2634	2637	rVV	75497	97577	0.65%	0.147%
73	18.364	2637	2642	2648	rVB	458606	654360	4.39%	0.987%
74	18.440	2648	2655	2660	rVB3	68672	140888	0.94%	0.213%
75	18.517	2660	2668	2677	rBV2	263259	493923	3.31%	0.745%
76	18.617	2677	2685	2689	rBV2	148656	320255	2.15%	0.483%
77	18.658	2689	2692	2696	rVV	149513	213251	1.43%	0.322%
78	18.752	2703	2708	2713	rBV2	164410	242359	1.63%	0.366%
79	18.805	2713	2717	2722	rVB2	92932	128671	0.86%	0.194%
80	18.858	2722	2726	2730	rBV	136798	187616	1.26%	0.283%
81	19.116	2766	2770	2776	rVB5	29655	63611	0.43%	0.096%
82	19.328	2795	2806	2810	rBV6	32524	90396	0.61%	0.136%
83	19.492	2827	2834	2840	rVB	698014	996015	6.68%	1.502%
84	19.586	2846	2850	2856	rVB	58881	79193	0.53%	0.119%
85	19.692	2862	2868	2870	rBV5	42997	72424	0.49%	0.109%
86	19.827	2884	2891	2893	rVV	545243	856902	5.75%	1.293%
87	19.856	2893	2896	2904	rVV	455265	663314	4.45%	1.001%
88	20.044	2919	2928	2932	rBV3	41703	74553	0.50%	0.112%
89	20.227	2955	2959	2966	rVB	202419	284830	1.91%	0.430%
90	20.309	2966	2973	2977	rBV	155974	289770	1.94%	0.437%
91	20.438	2990	2995	2999	rBV	46154	72552	0.49%	0.109%
92	20.926	3073	3078	3083	rBV	39366	73531	0.49%	0.111%
93	20.973	3083	3086	3094	rVB	51262	79813	0.54%	0.120%
94	21.296	3132	3141	3143	rBV3	28722	49888	0.33%	0.075%
95	21.343	3143	3149	3163	rVB4	121419	261830	1.76%	0.395%
96	21.713	3204	3212	3218	rBV2	332007	625799	4.20%	0.944%
97	22.124	3276	3282	3286	rVV	32942	61194	0.41%	0.092%
98	22.353	3314	3321	3330	rBV	43342	89096	0.60%	0.134%
99	24.739	3716	3727	3738	rBV	255983	707281	4.74%	1.067%
100	24.968	3752	3766	3777	rBV2	157391	463034	3.11%	0.698%

Sum of corrected areas: 66295165

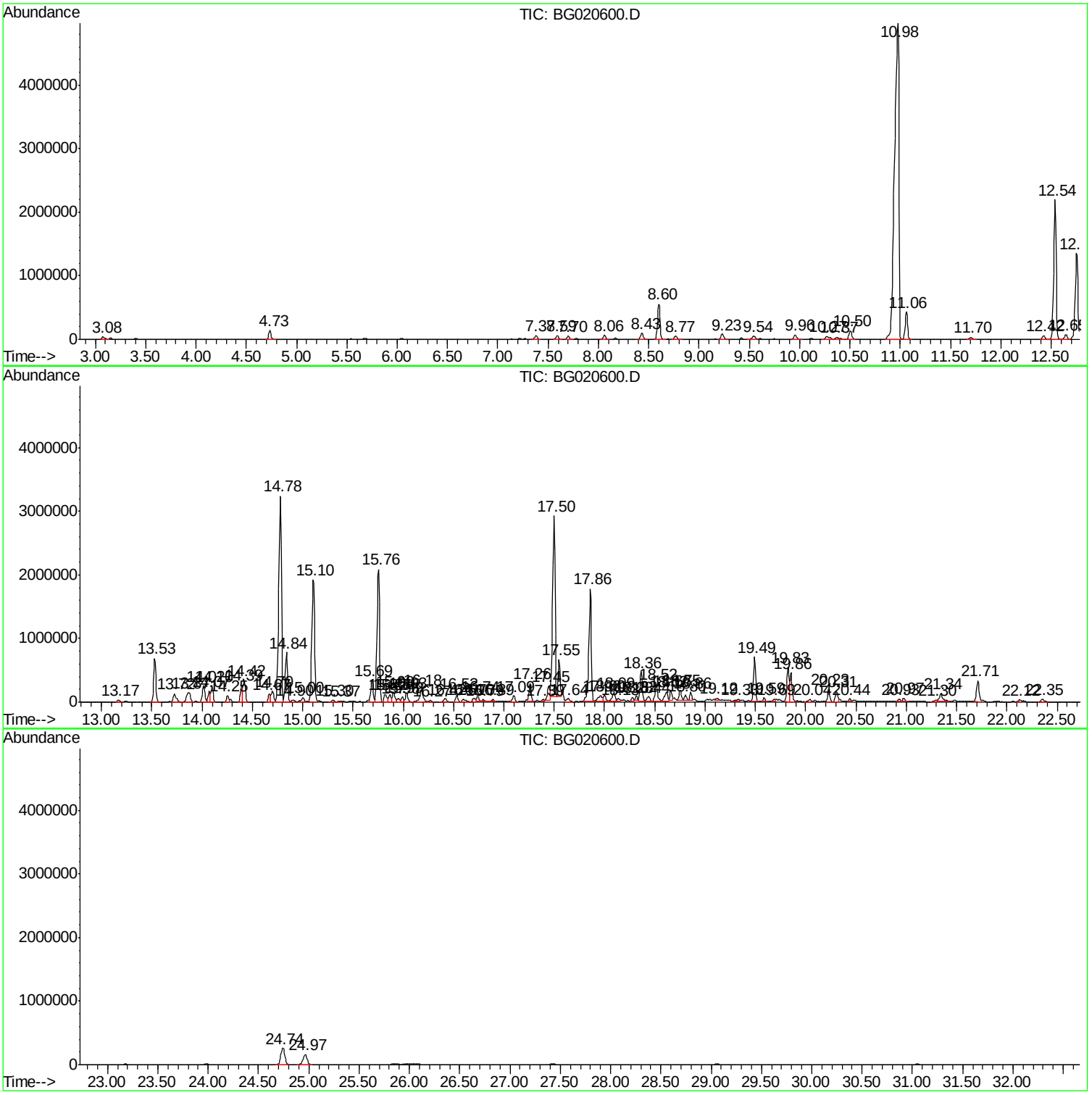
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

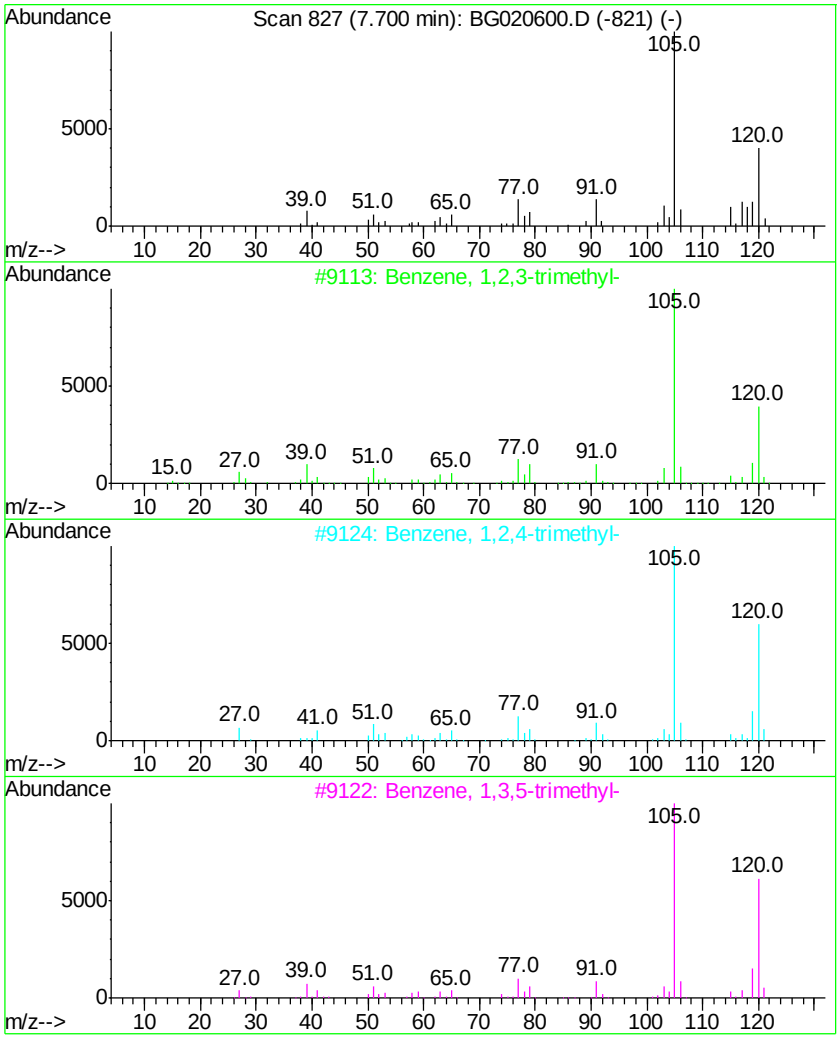
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

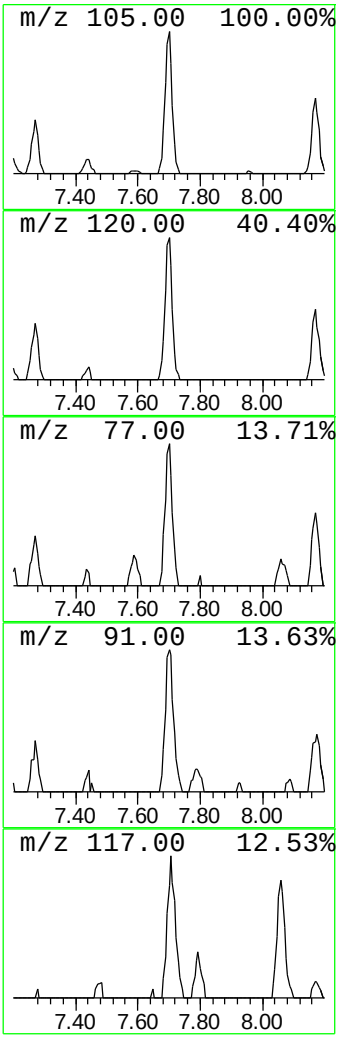
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	15.77 ng/ul	91502	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	76
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

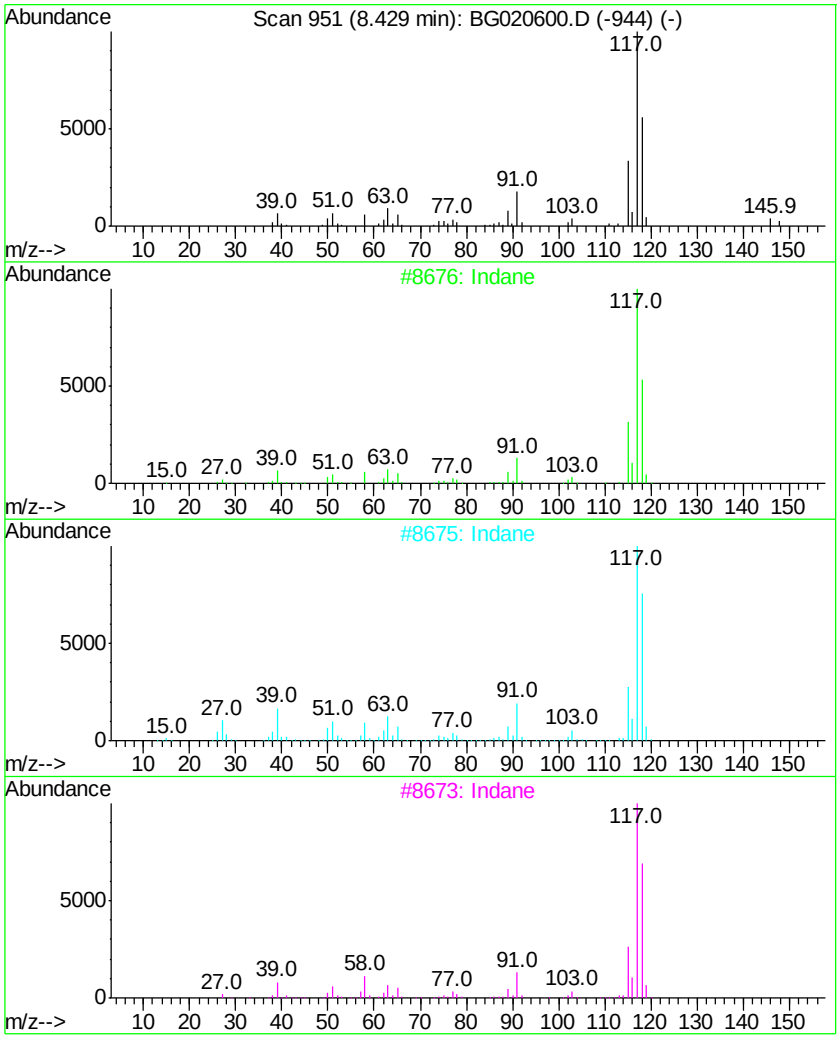
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

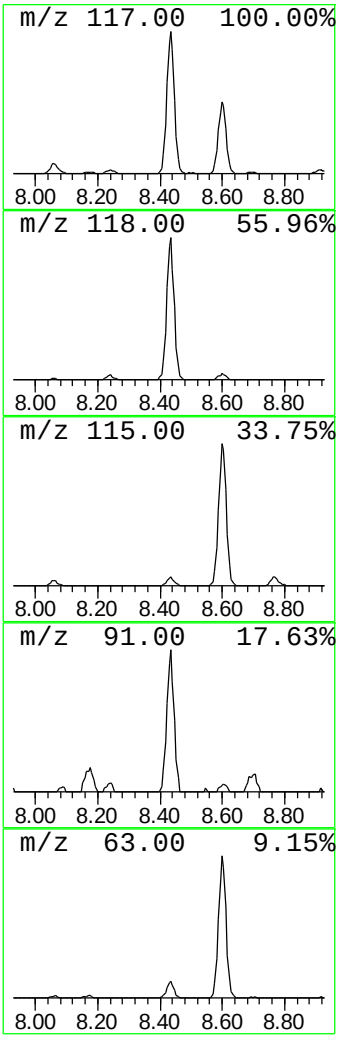
****

Peak Number 4 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	29.95 ng/ul	173804	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	81
4	Deltacyclene	118	C9H10	007785-10-6	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

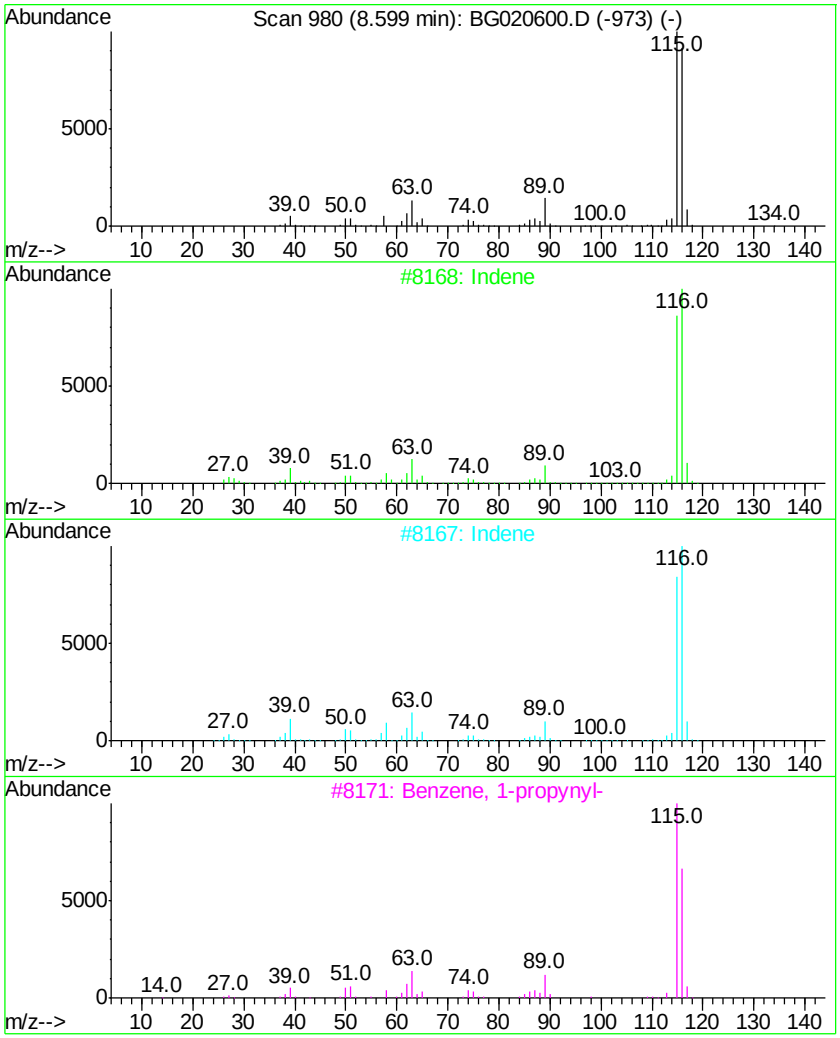
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

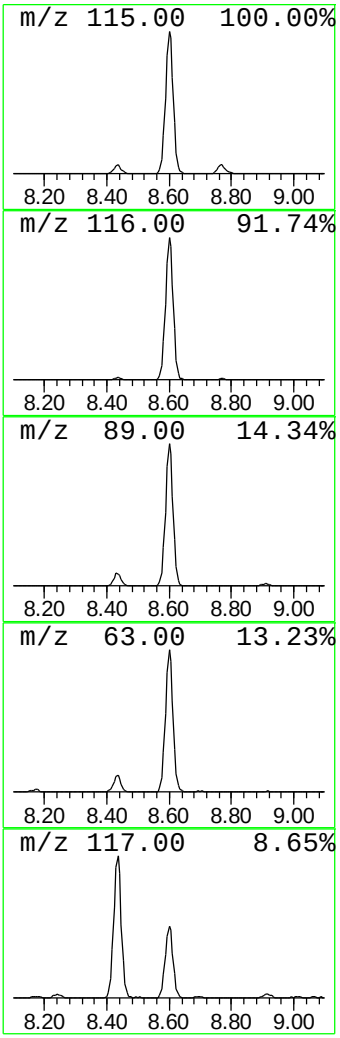
****

Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	166.26 ng/ul	964952	1,4-Dichlorobenzene-d4	8.06

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

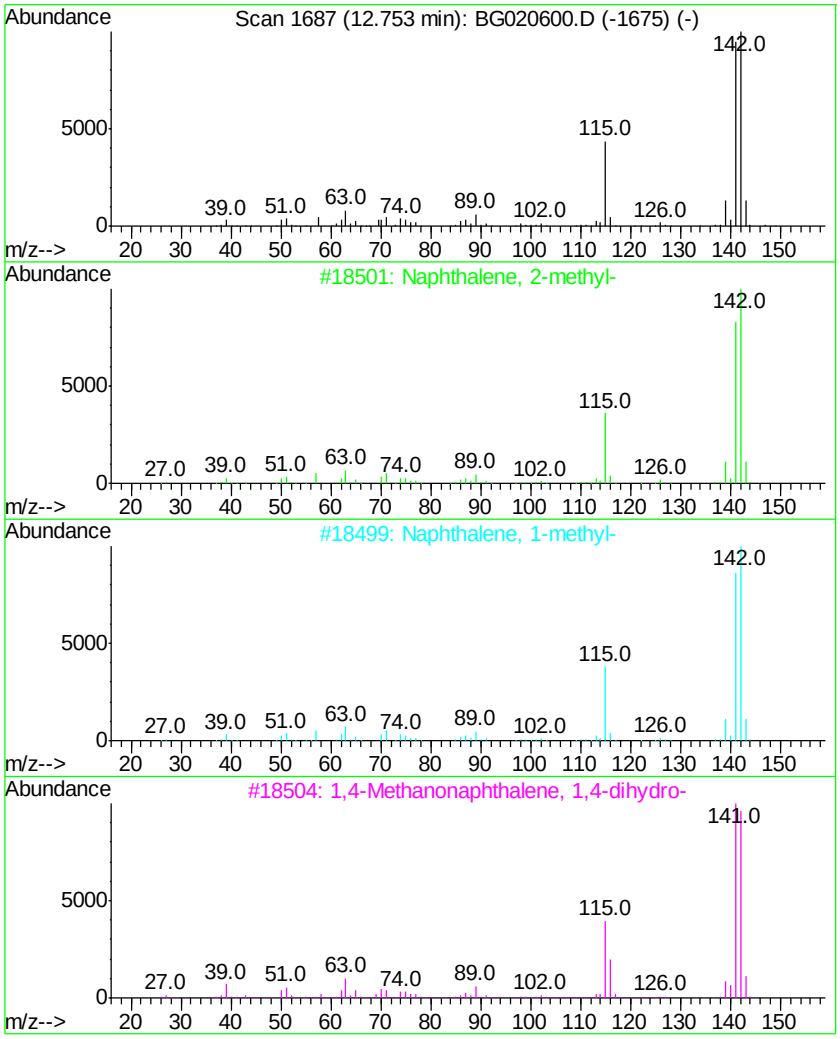
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

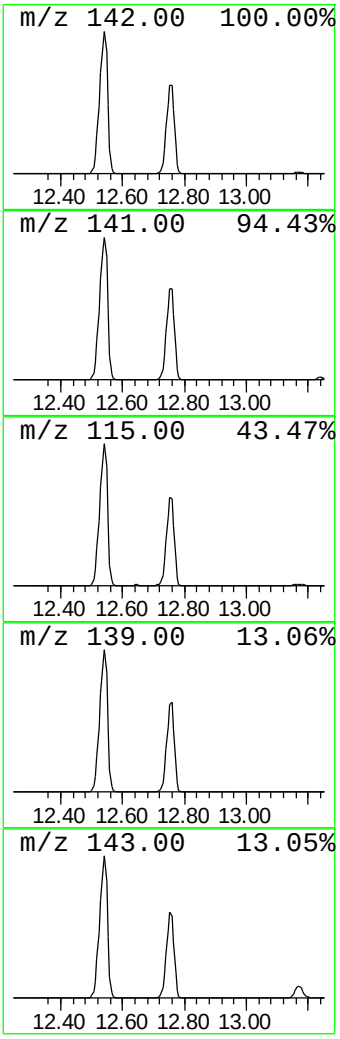
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	3.21 ng/ul	2395680	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

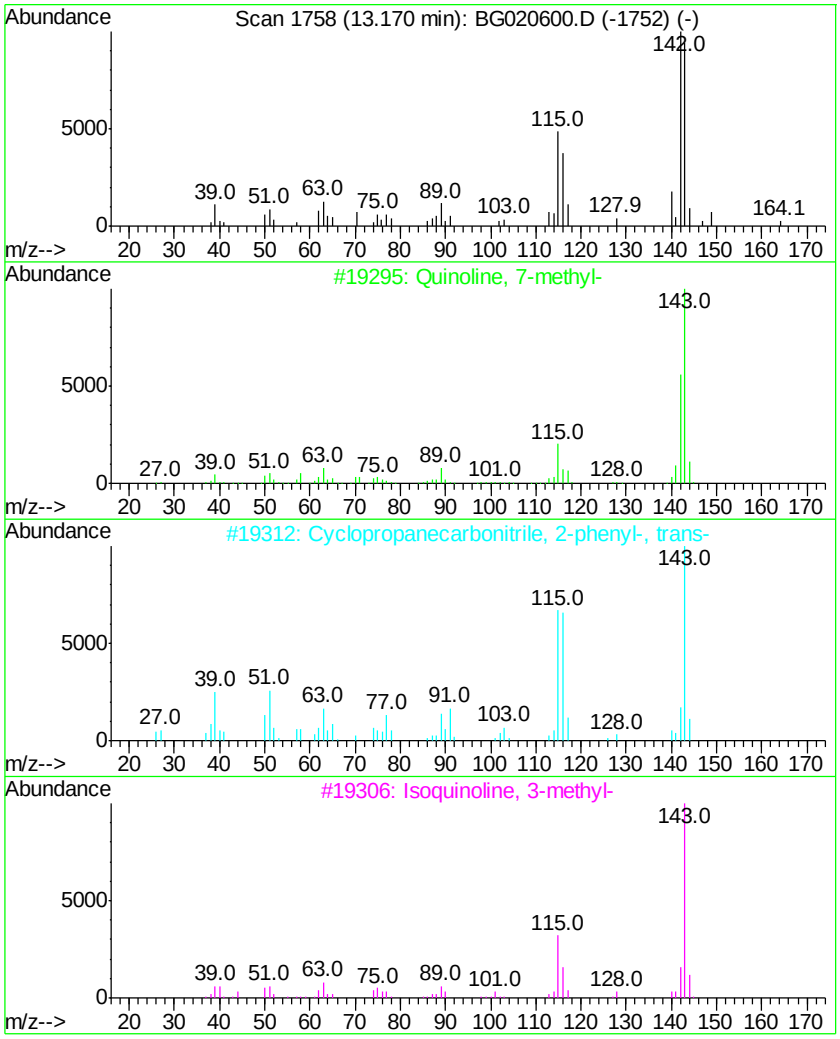
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

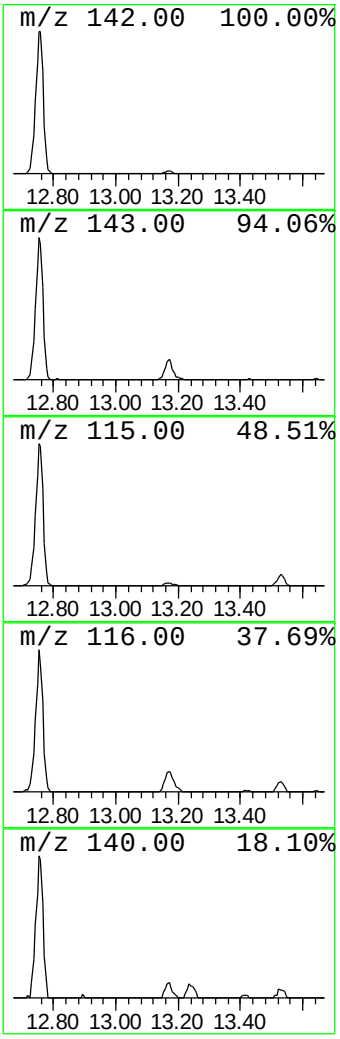
****

Peak Number 7 Quinoline, 7-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.24 ng/ul	60300	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	68
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	64
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	62
4	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	53
5	1-Naphthalenamine	143	C10H9N	000134-32-7	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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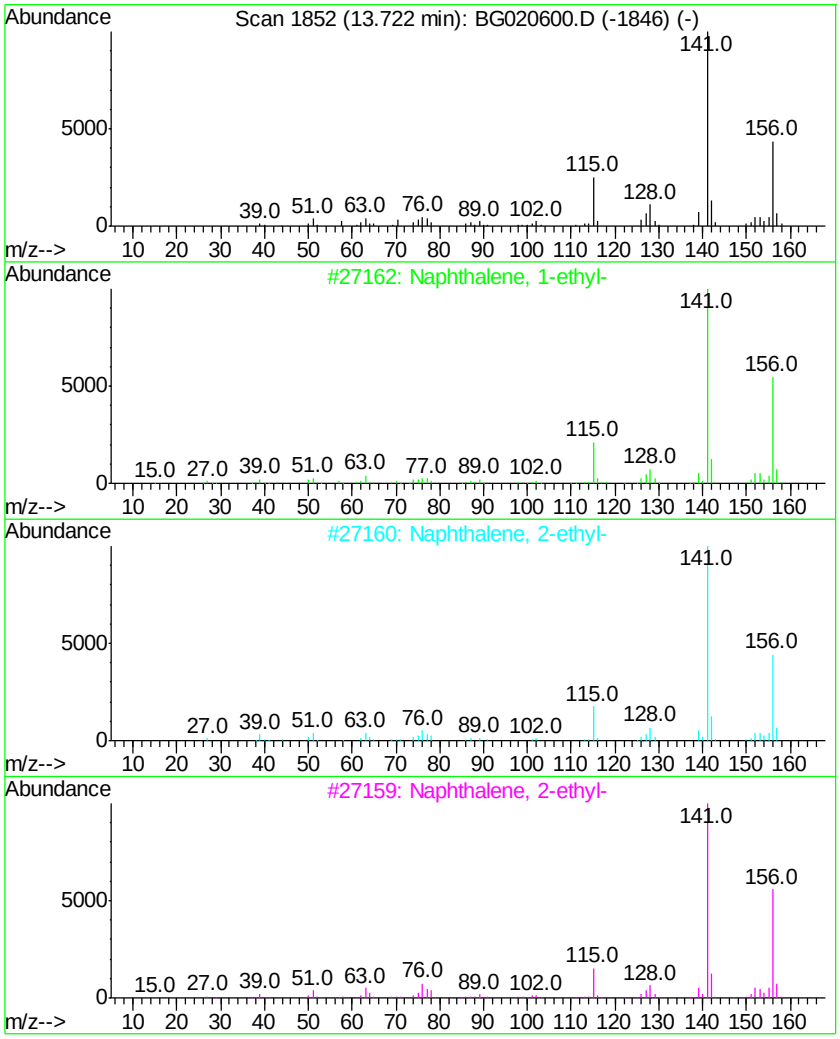
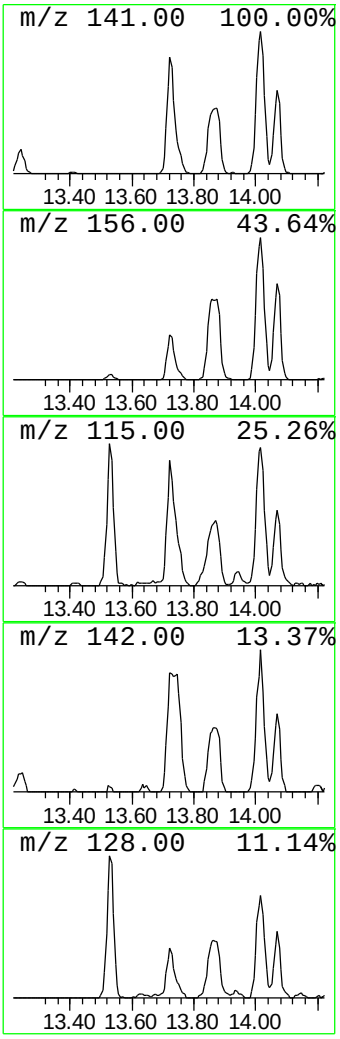
Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	19.81 ng/ul	281500	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





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Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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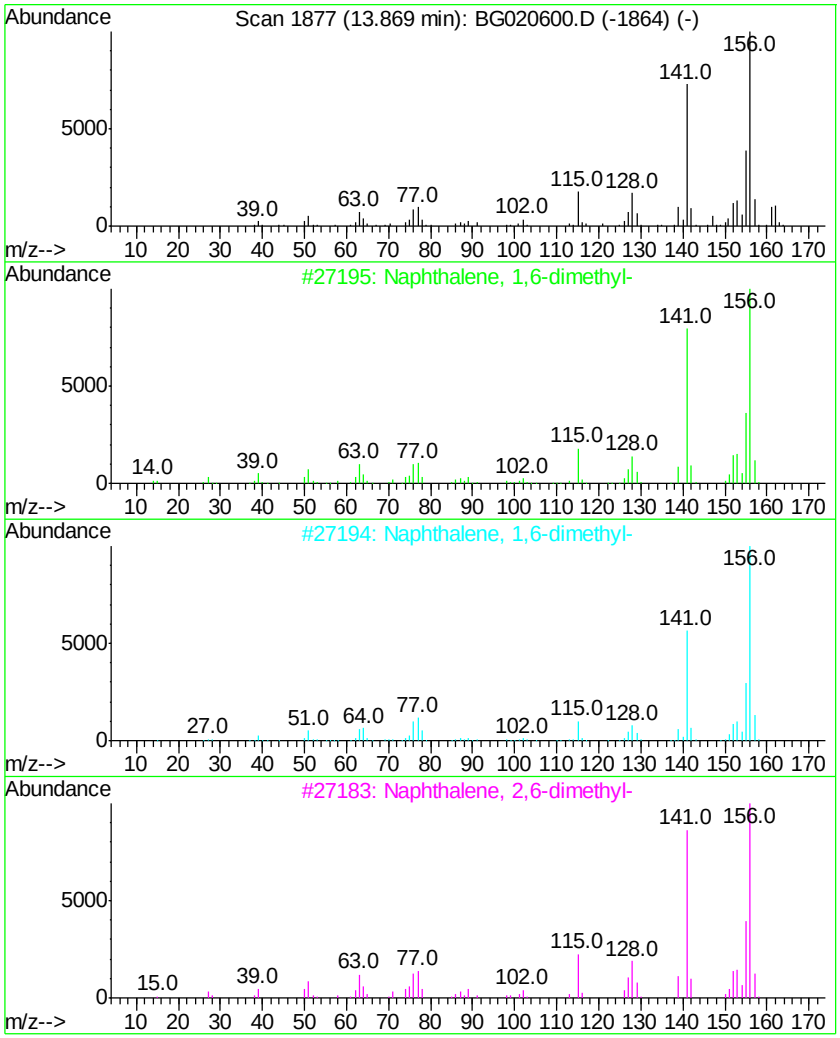
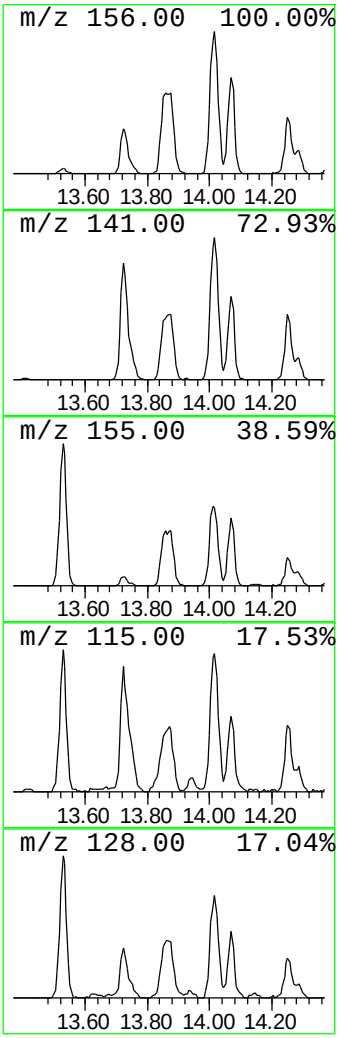
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	29.10 ng/ul	413479	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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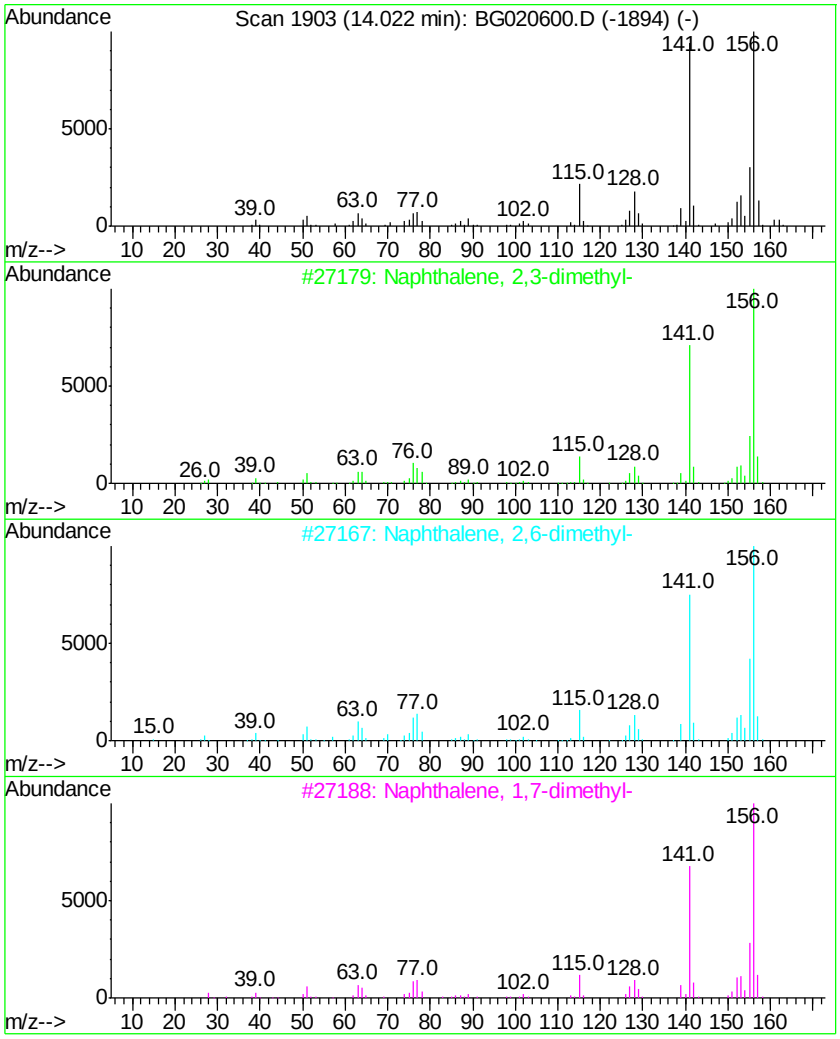
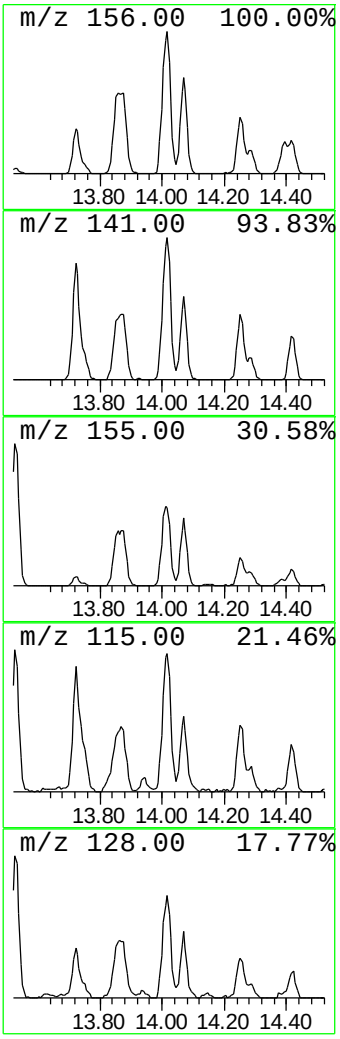
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	33.63 ng/ul	477909	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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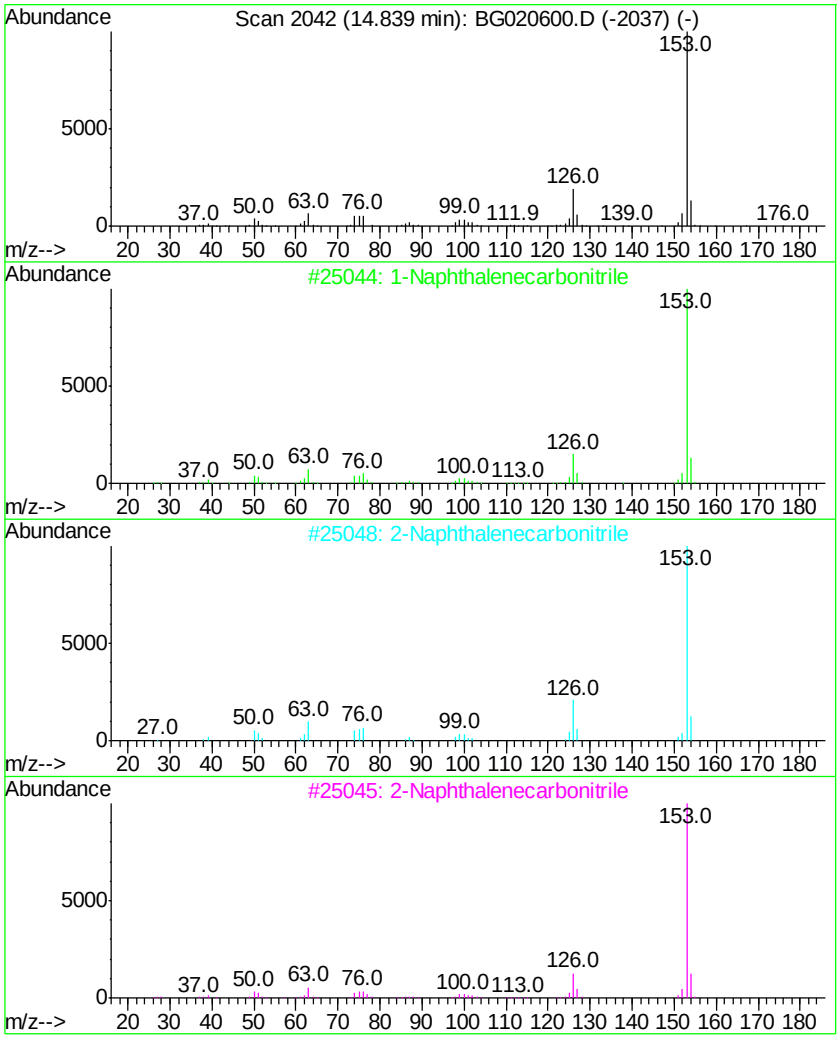
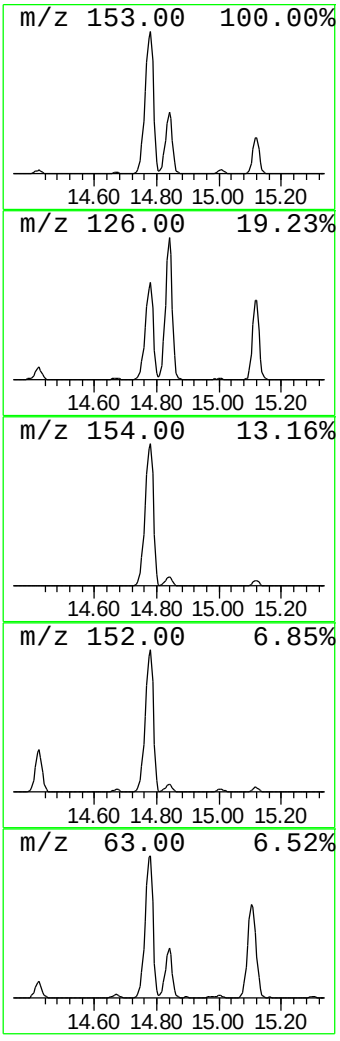
Peak Number 12 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	85.41 ng/ul	1213720	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





Library Search Compound Report

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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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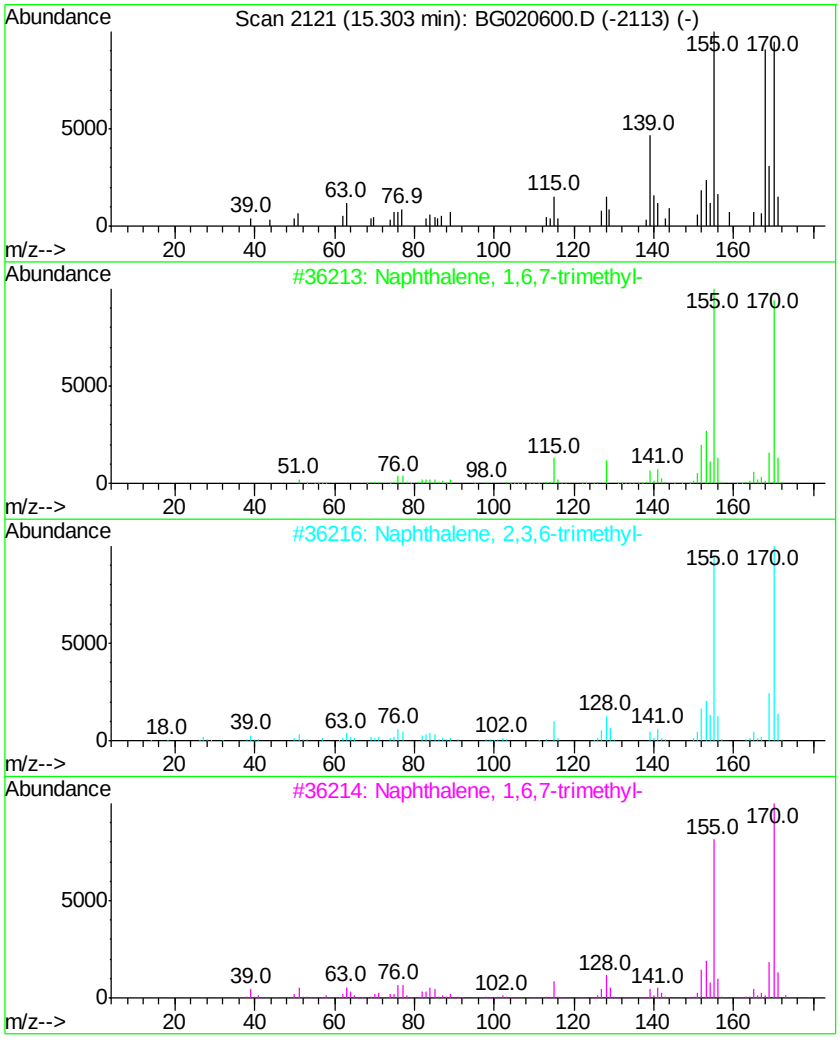
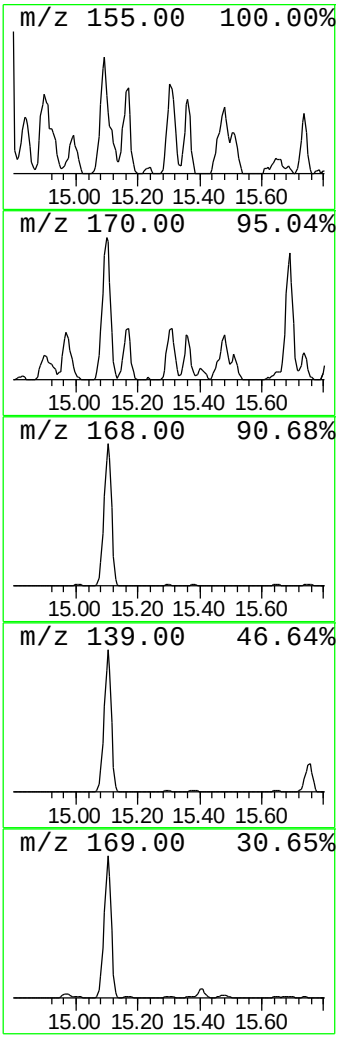
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	4.22 ng/ul	59978	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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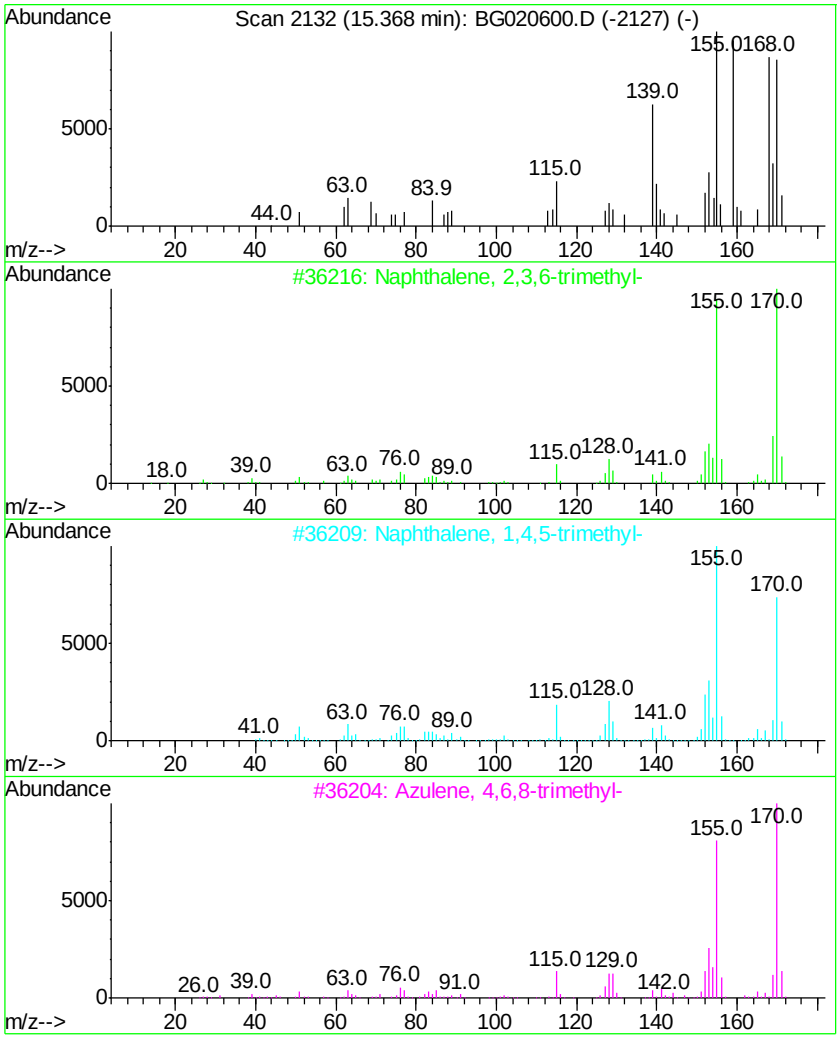
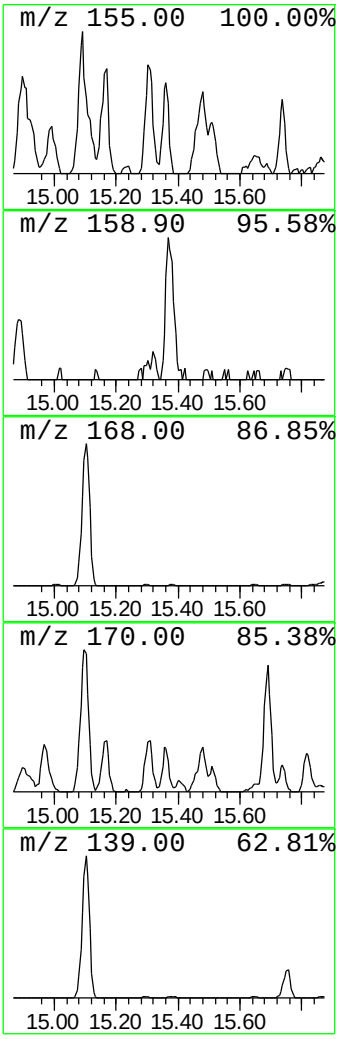
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	3.75 ng/ul	53312	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	55
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	55
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	49
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	42





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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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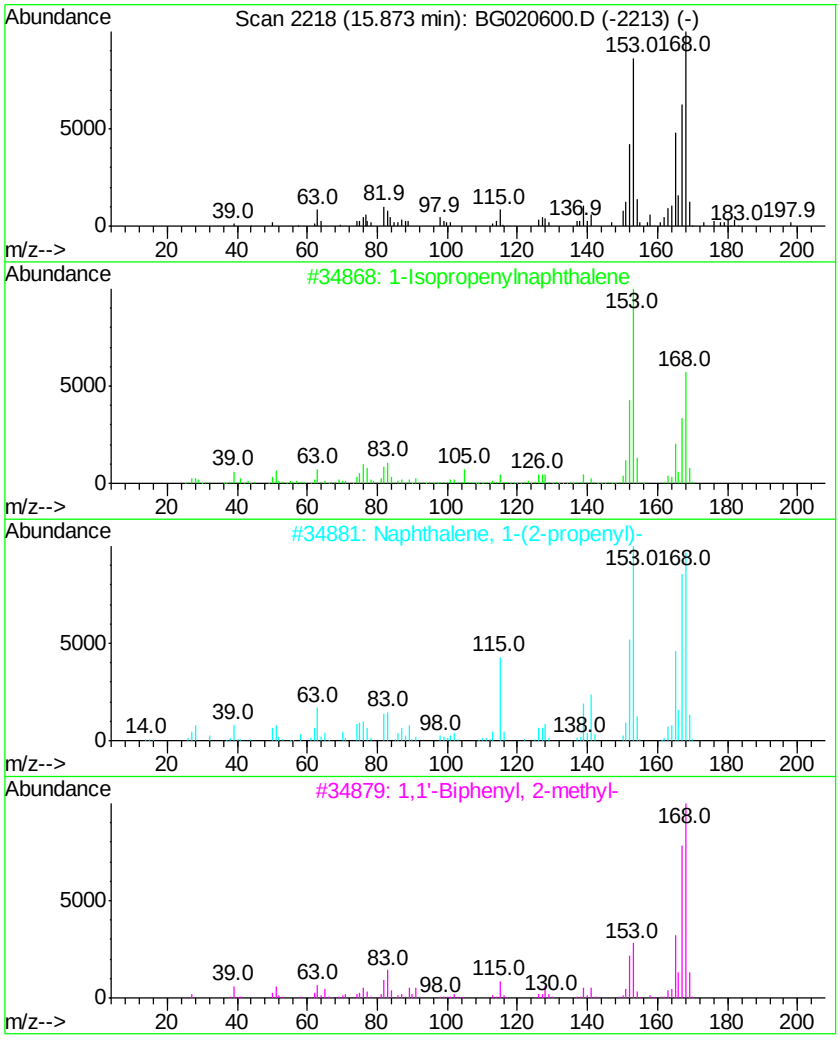
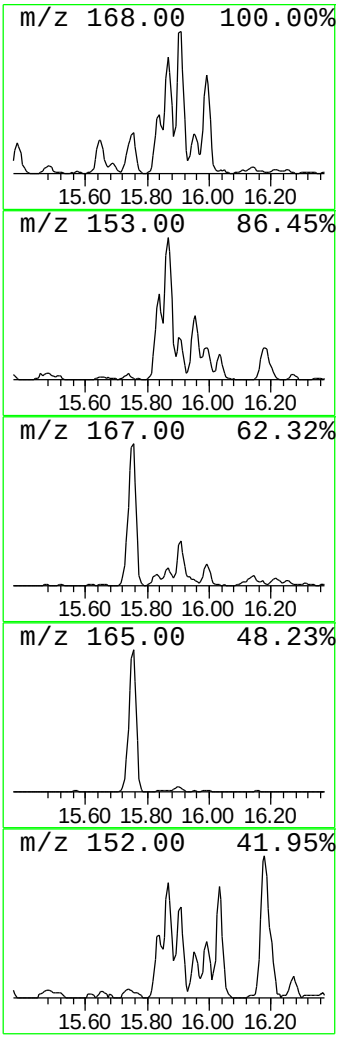
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	15.05 ng/ul	213819	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	87
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
5	1H-Pyrrol-1-yloxy, 3-(aminocarbo...	183	C9H15N2O2	003229-73-0	59





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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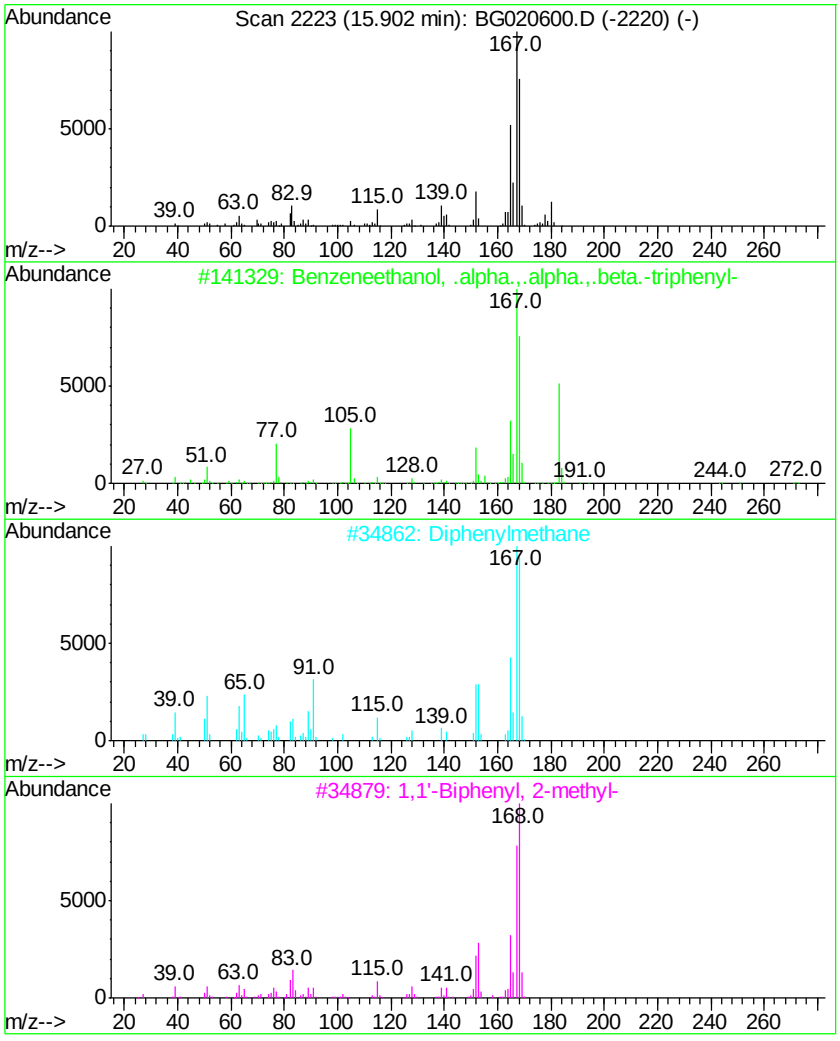
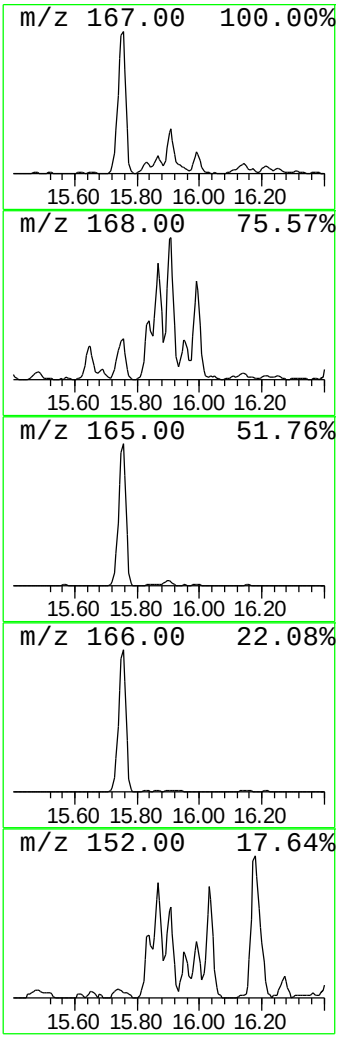
Peak Number 17 Benzeneethanol, .alpha.,.al... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	18.83 ng/ul	267561	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2	Diphenylmethane	168	C13H12	000101-81-5	49
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
4	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47





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Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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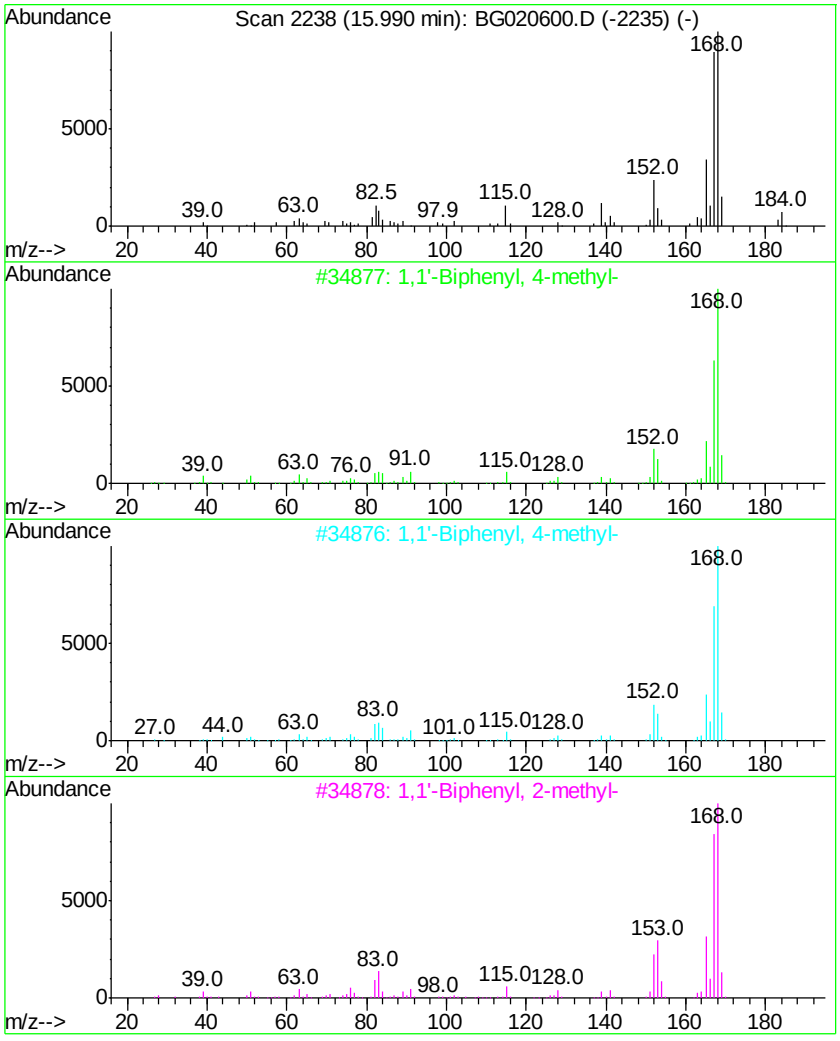
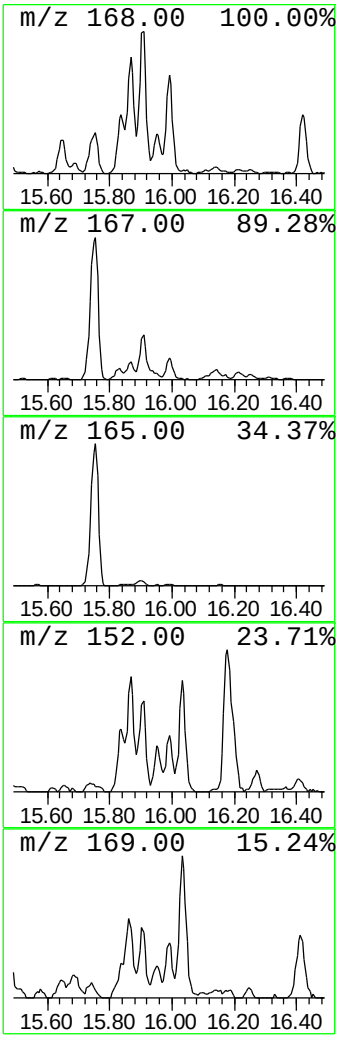
Peak Number 19 1,1'-Biphenyl, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	8.53 ng/ul	121161	Acenaphthene-d10	14.70

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





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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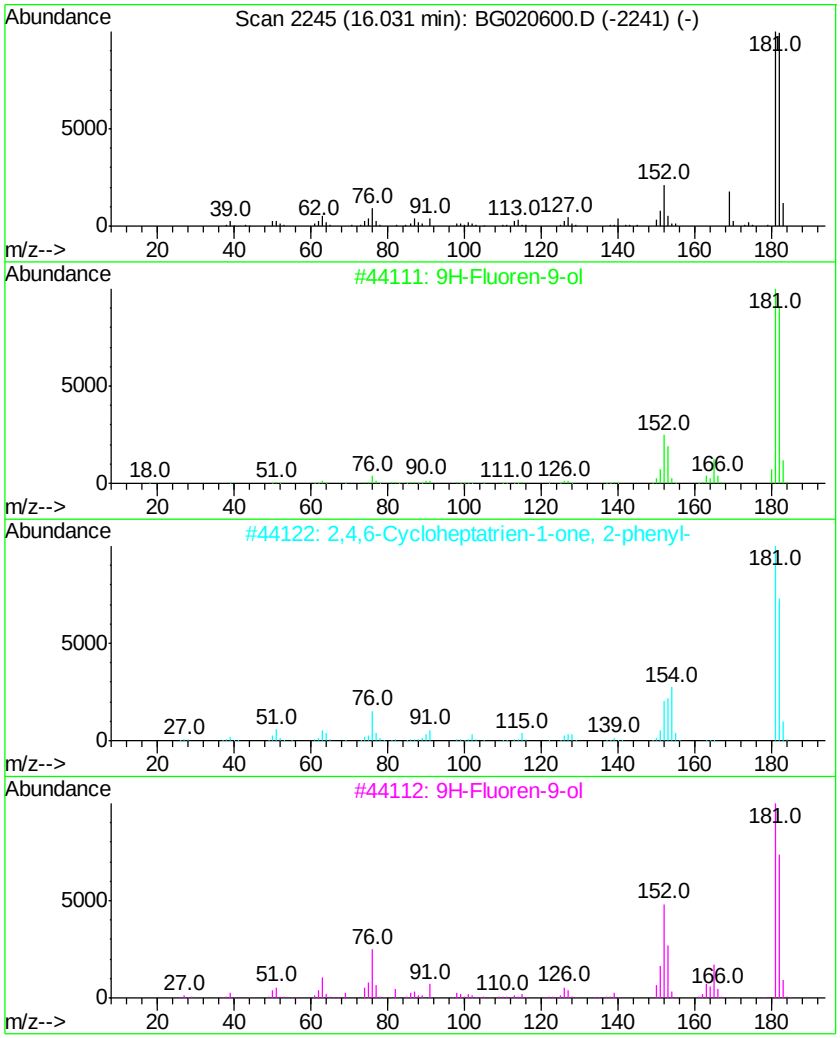
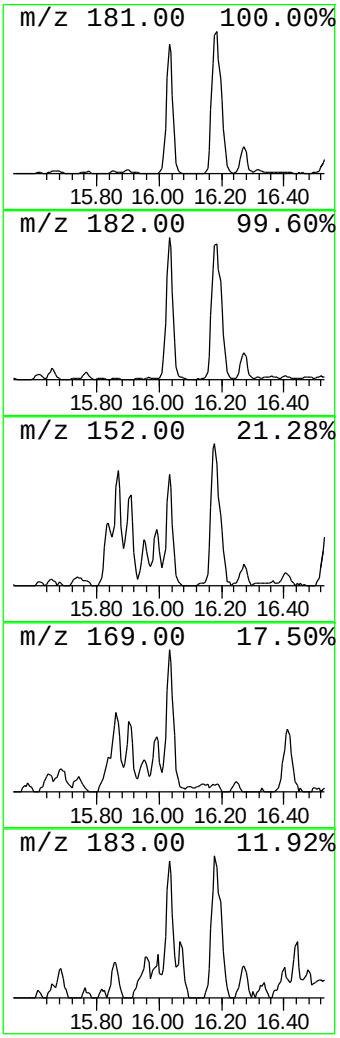
Peak Number 20 9H-Fluoren-9-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	16.79 ng/ul	238573	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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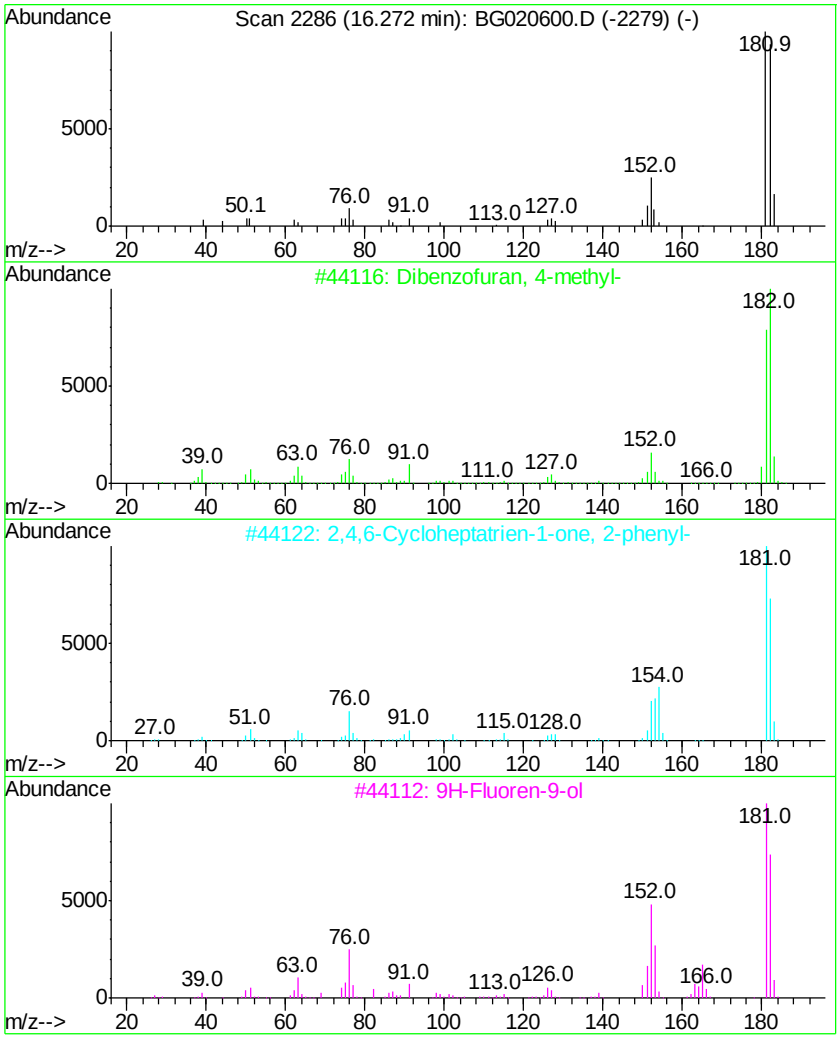
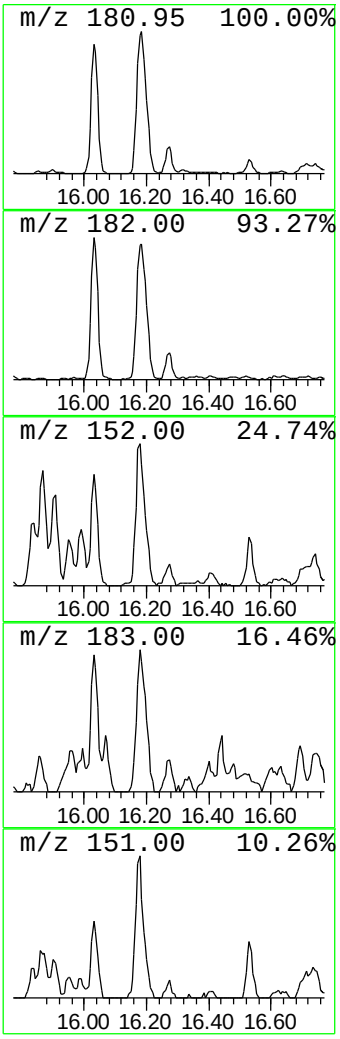
Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.00 ng/ul	54880	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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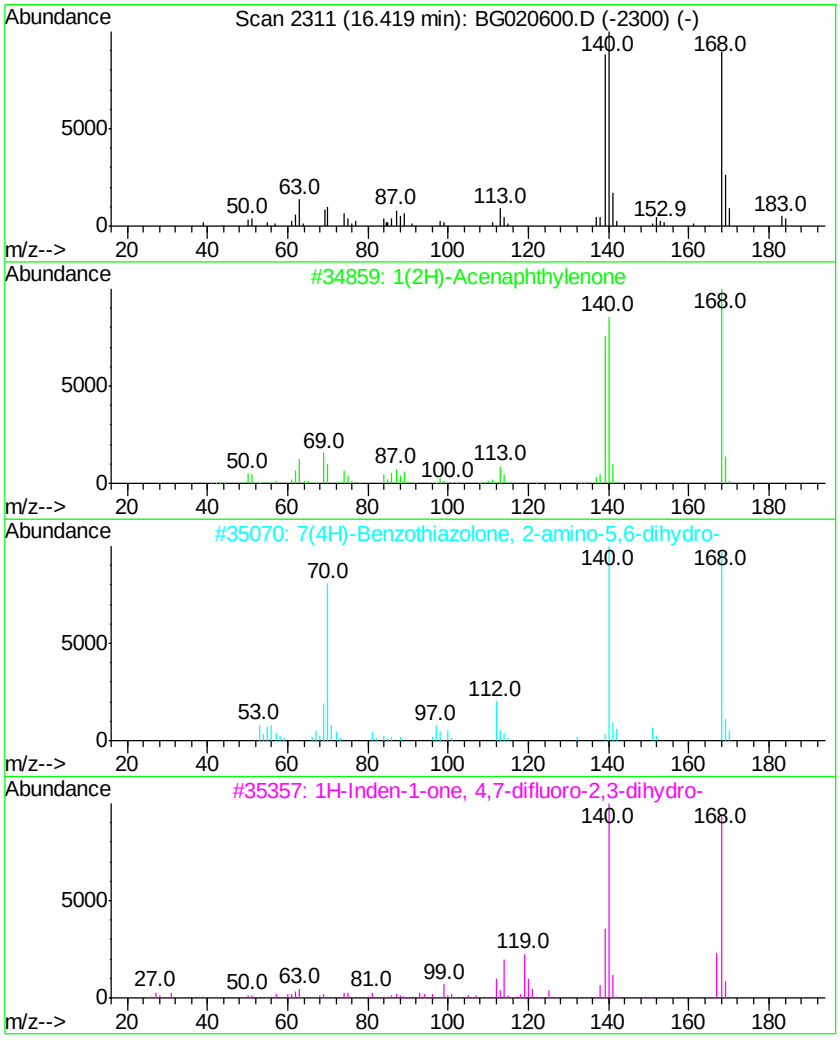
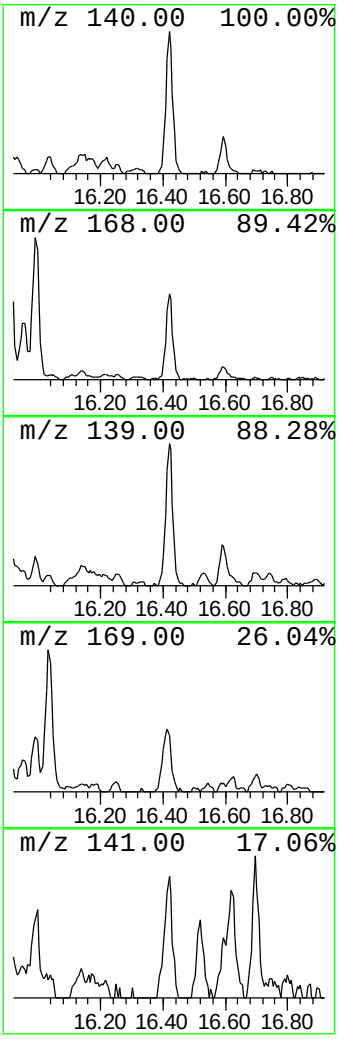
Peak Number 23 1(2H)-Acenaphthylenone Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	5.62 ng/ul	102735	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	50
3	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	50
4	Dibenzofuran	168	C12H8O	000132-64-9	49
5	Dibenzofuran	168	C12H8O	000132-64-9	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

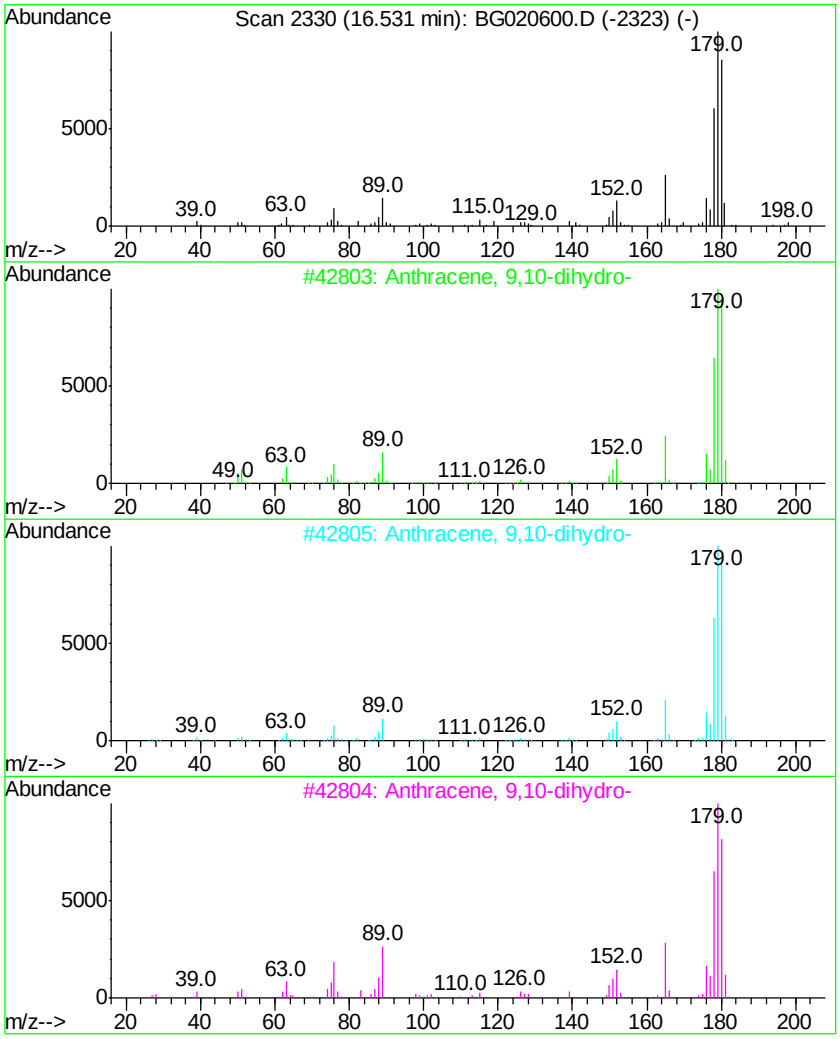
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

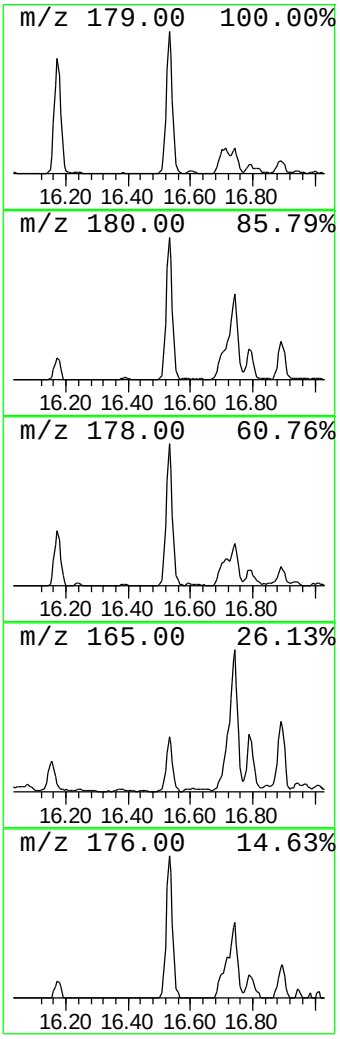
****

Peak Number 24 Anthracene, 9,10-dihydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	11.09 ng/ul	202803	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	98
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89





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Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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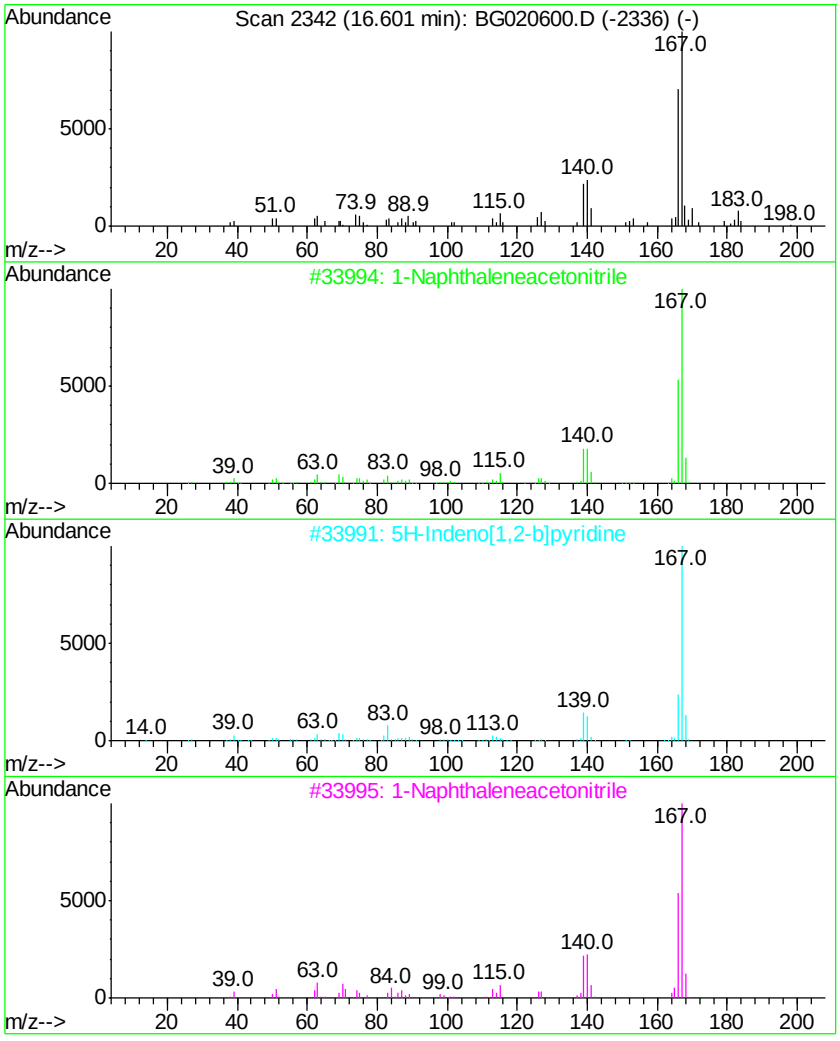
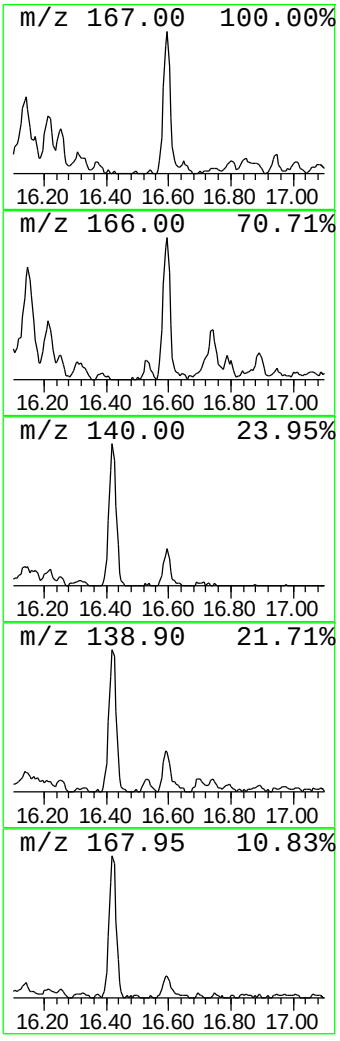
Peak Number 25 1-Naphthaleneacetonitrile Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.82 ng/ul	106391	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	94
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
3	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	80
4	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	80
5	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	78





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Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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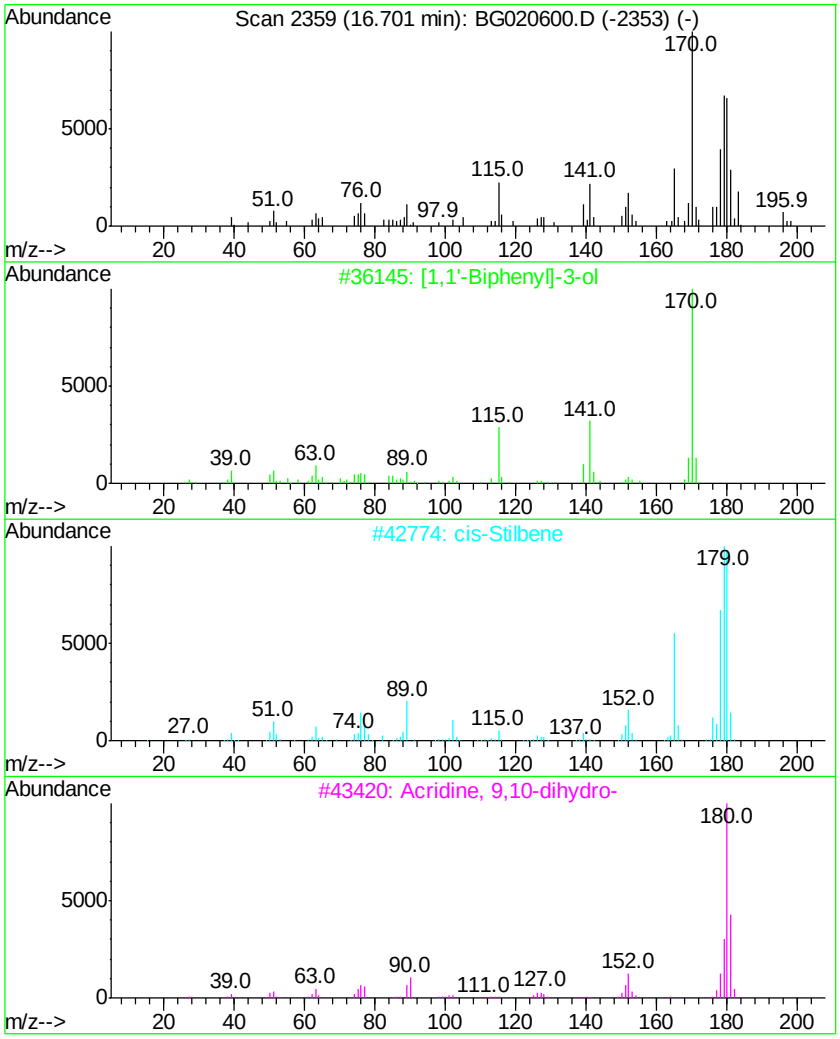
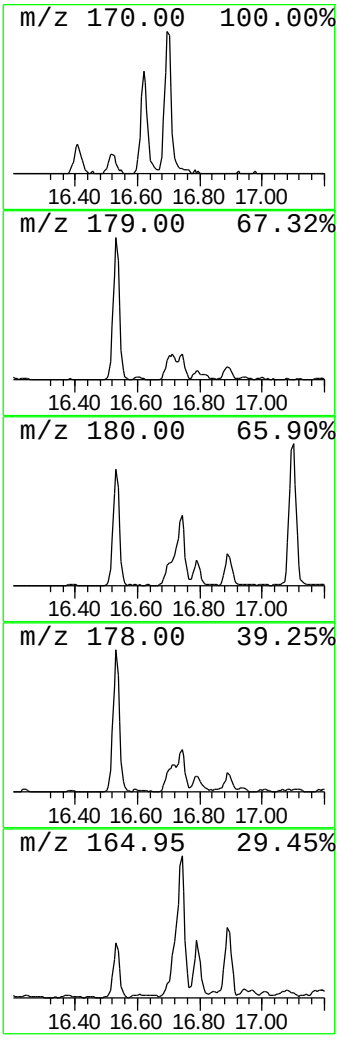
Peak Number 26 [1,1'-Biphenyl]-3-ol Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	5.97 ng/ul	109094	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	74
2	cis-Stilbene	180	C14H12	000645-49-8	55
3	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	53
4	1,2-Diphenylethylene	180	C14H12	000588-59-0	42
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	42





Library Search Compound Report

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Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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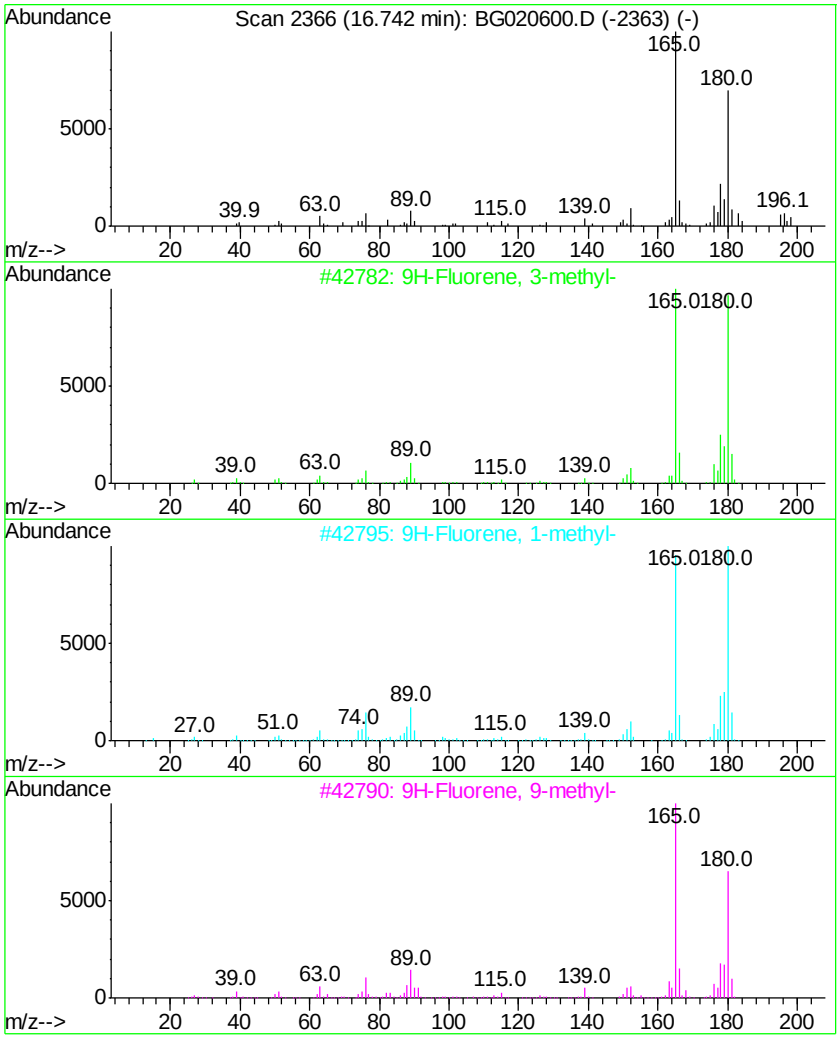
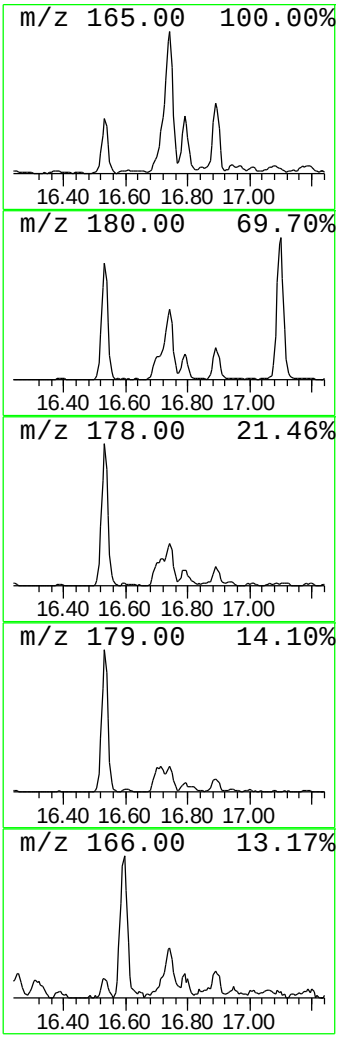
Peak Number 27 9H-Fluorene, 3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.29 ng/ul	115074	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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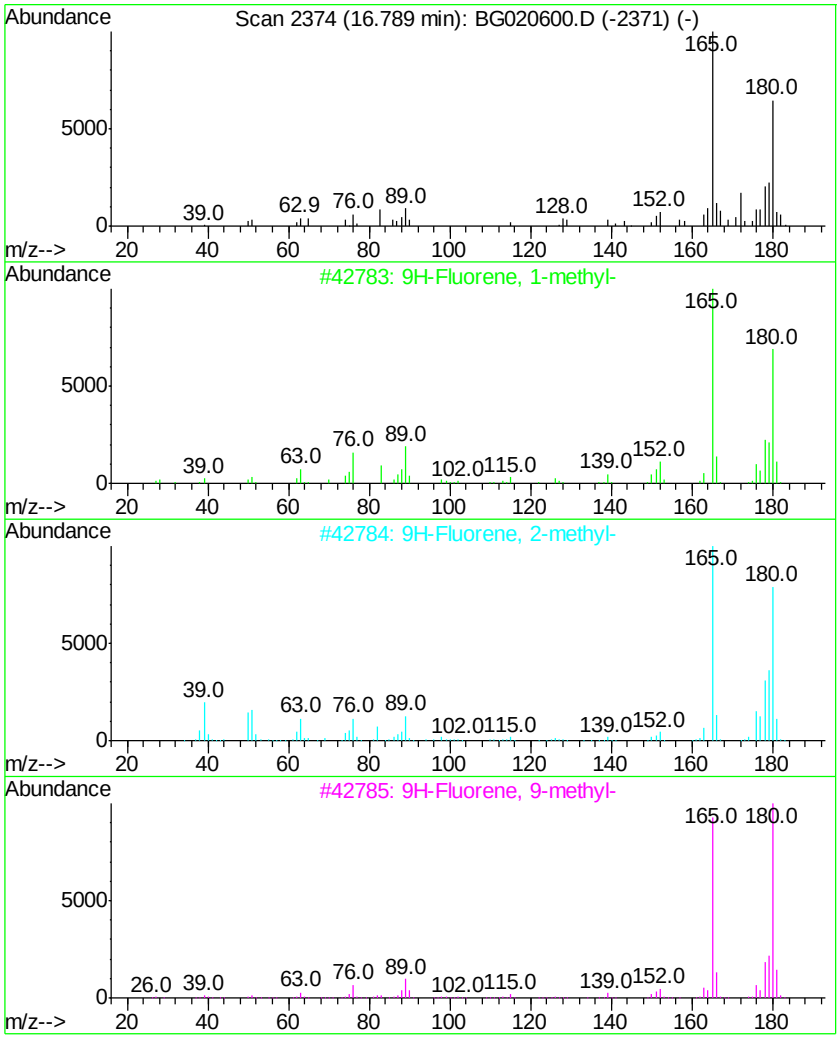
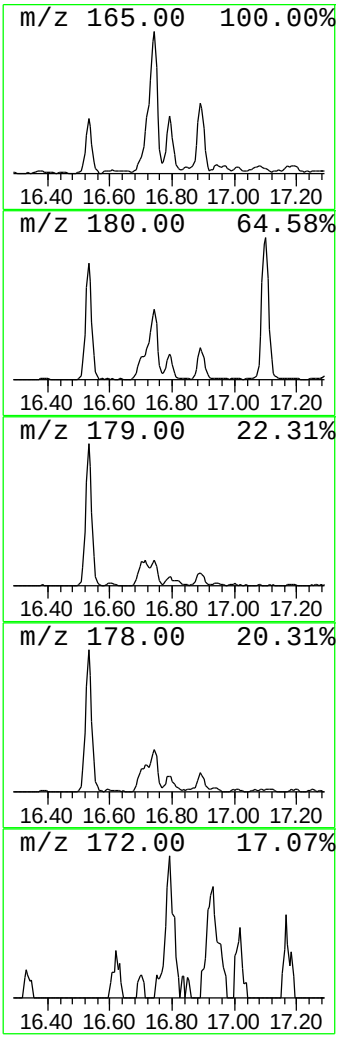
Peak Number 28 9H-Fluorene, 1-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.15 ng/ul	57632	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	59





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Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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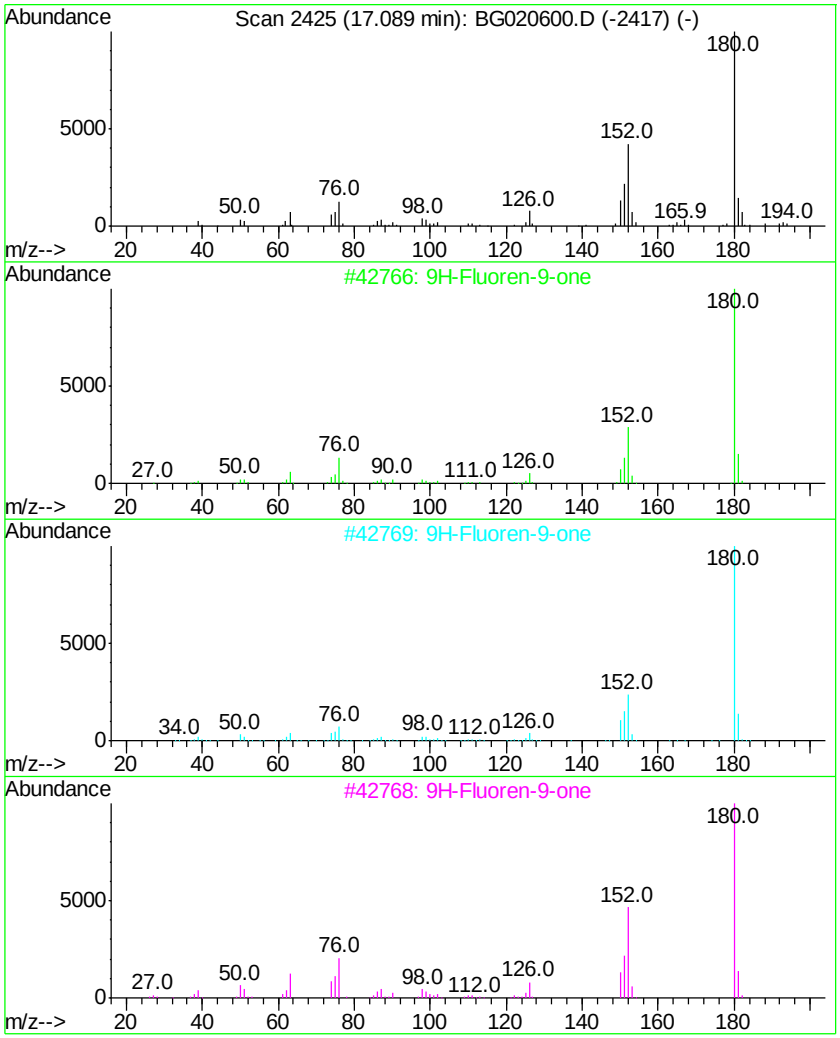
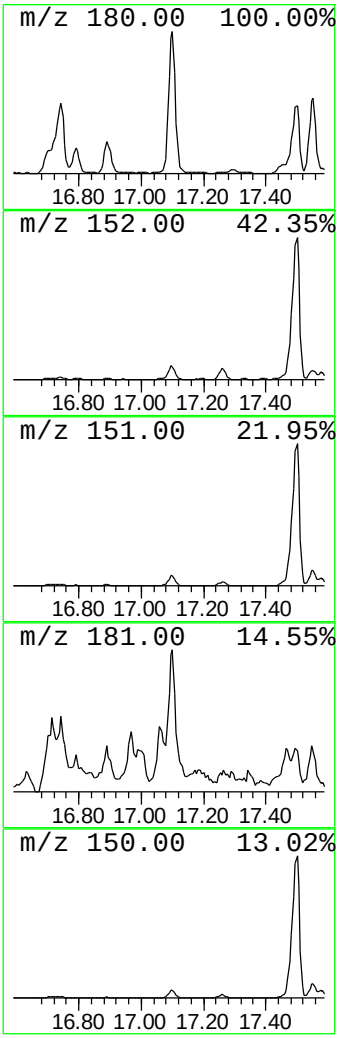
Peak Number 30 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	8.72 ng/ul	159369	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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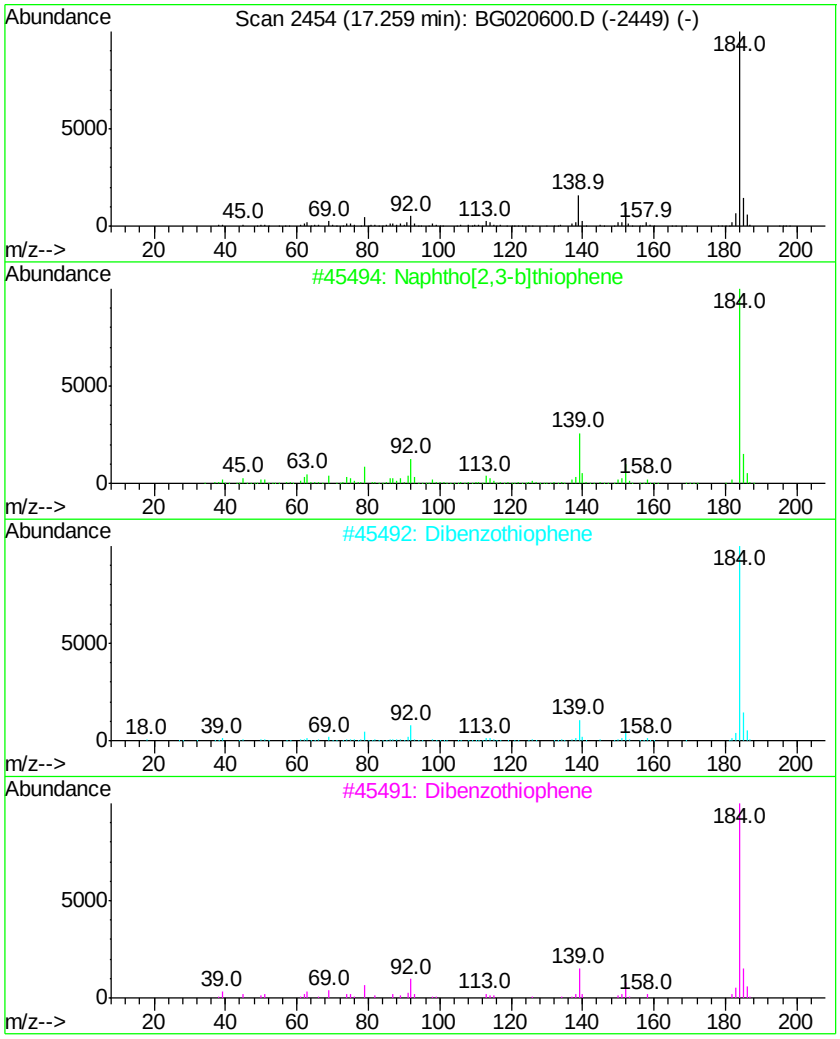
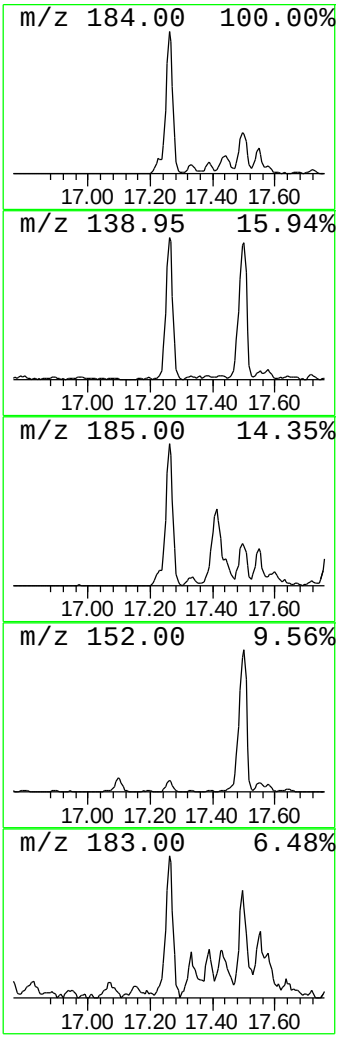
Peak Number 31 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	24.39 ng/ul	445965	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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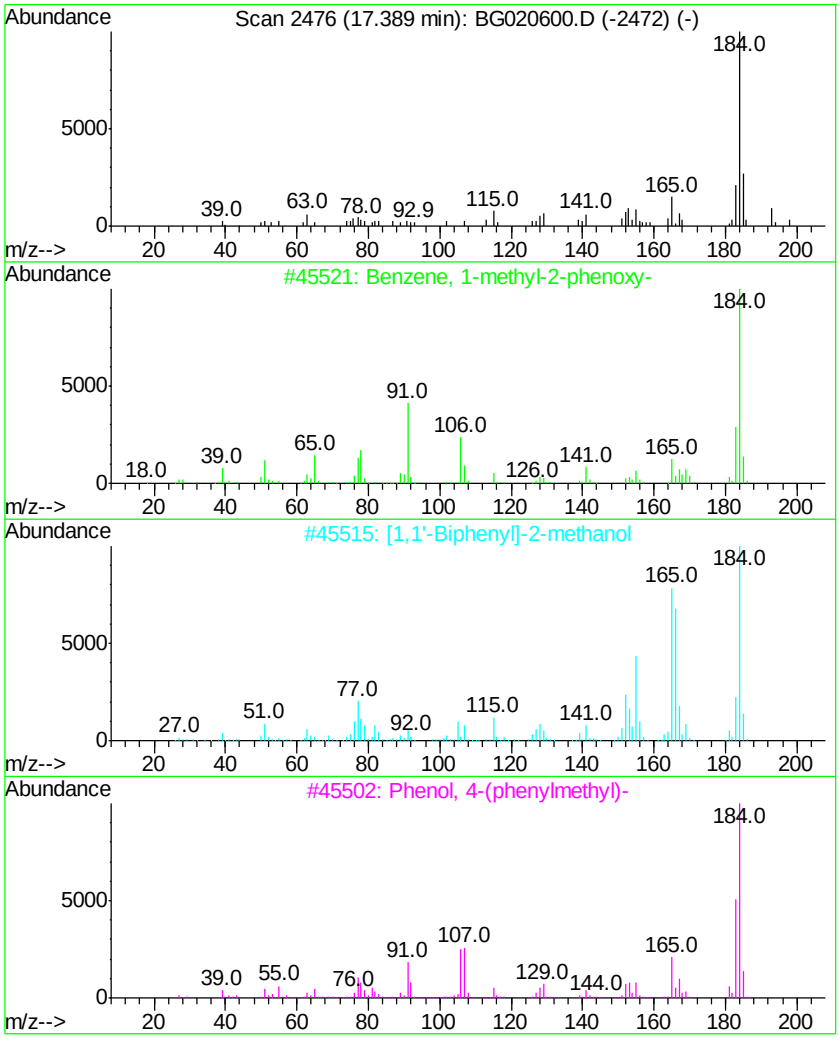
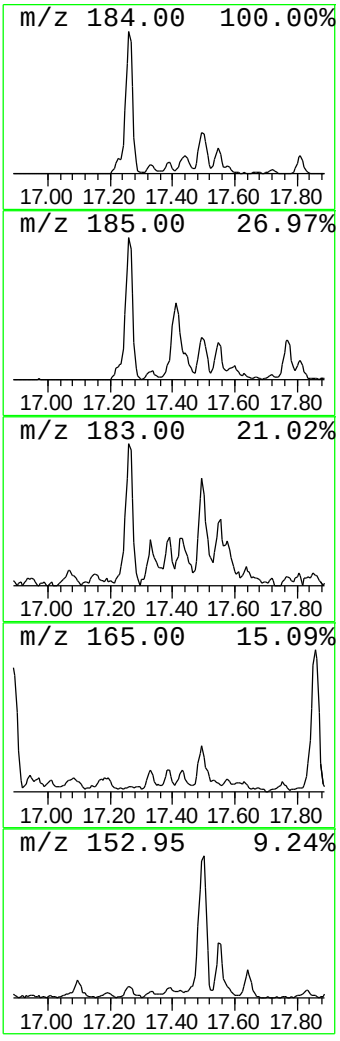
Peak Number 32 Benzene, 1-methyl-2-phenoxy- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	2.60 ng/ul	47606	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-phenoxy-	184	C13H12O	003991-61-5	59
2	[1,1'-Biphenyl]-2-methanol	184	C13H12O	002928-43-0	59
3	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	58
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	53
5	1,4-Benzenediamine, N-phenyl-	184	C12H12N2	000101-54-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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
Benzene, 1,2,3-tr...	7.70	15.8	ng/ul	91502	1	8.06	116076	20.0
Indane	8.43	29.9	ng/ul	173804	1	8.06	116076	20.0
Indene	8.60	166.3	ng/ul	964952	1	8.06	116076	20.0
Naphthalene, 1-me...	12.75	3.2	ng/ul	2395680	2	10.89	14909300	20.0
Quinoline, 7-methyl-	13.17	4.2	ng/ul	60300	3	14.70	284196	20.0
Naphthalene, 1-et...	13.72	19.8	ng/ul	281500	3	14.70	284196	20.0
Naphthalene, 1,6-...	13.87	29.1	ng/ul	413479	3	14.70	284196	20.0
Naphthalene, 2,3-...	14.02	33.6	ng/ul	477909	3	14.70	284196	20.0
1-Naphthalenecarb...	14.84	85.4	ng/ul	1213720	3	14.70	284196	20.0
Naphthalene, 1,6,...	15.30	4.2	ng/ul	59978	3	14.70	284196	20.0
Naphthalene, 2,3,...	15.37	3.8	ng/ul	53312	3	14.70	284196	20.0
1-Isopropenylnaph...	15.87	15.1	ng/ul	213819	3	14.70	284196	20.0
Benzeneethanol, ...	15.90	18.8	ng/ul	267561	3	14.70	284196	20.0
1,1'-Biphenyl, 4-...	15.99	8.5	ng/ul	121161	3	14.70	284196	20.0
9H-Fluoren-9-ol	16.03	16.8	ng/ul	238573	3	14.70	284196	20.0
Dibenzofuran, 4-m...	16.27	3.0	ng/ul	54880	4	17.44	365670	20.0
1(2H)-Acenaphthyl...	16.42	5.6	ng/ul	102735	4	17.44	365670	20.0
Anthracene, 9,10-...	16.53	11.1	ng/ul	202803	4	17.44	365670	20.0
1-Naphthaleneacet...	16.60	5.8	ng/ul	106391	4	17.44	365670	20.0
[1,1'-Biphenyl]-3-ol	16.70	6.0	ng/ul	109094	4	17.44	365670	20.0
9H-Fluorene, 3-me...	16.74	6.3	ng/ul	115074	4	17.44	365670	20.0
9H-Fluorene, 1-me...	16.79	3.1	ng/ul	57632	4	17.44	365670	20.0
9H-Fluoren-9-one	17.09	8.7	ng/ul	159369	4	17.44	365670	20.0
Naphtho[2,3-b]thi...	17.26	24.4	ng/ul	445965	4	17.44	365670	20.0
Benzene, 1-methyl...	17.39	2.6	ng/ul	47606	4	17.44	365670	20.0