LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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	7.553	794	802	807	rBV	436353	824960	3.90%	0.582%
2	7.700	821	827	834	rVV2	132639	237993	1.12%	0.168%
3	7.782	834	841	853	rVB	364630	628418	2.97%	0.444%
4	8.434	944	952	959	rVV	416203	740399	3.50%	0.523%
5	8.511	959	965	972	rVV	221676	385102	1.82%	0.272%
6	8.617	973	983	991	rVV	2553037	4875054	23.03%	3.441%
7	8.846	1015	1022	1027	rVV	354323	686381	3.24%	0.485%
8	8.922	1027	1035	1045	rVV2	303580	748006	3.53%	0.528%
9	9.245	1082	1090	1095	rVV2	118086	259838	1.23%	0.183%
10	9.310	1095	1101	1113	rVV	143085	308475	1.46%	0.218%
11	9.492	1126	1132	1136	rVV	173005	338898	1.60%	0.239%
12	9.545	1136	1141	1148	rVV2	303977	685020	3.24%	0.484%
13	10.068	1220	1230	1246	rVB2	698114	2494965	11.79%	1.761%
14	10.273	1257	1265	1267	rBV	140329	263028	1.24%	0.186%
15	10.338	1268	1276	1279	rVV4	174995	500969	2.37%	0.354%
16	10.403	1282	1287	1297	rVB	761829	1582592	7.48%	1.117%
17	10.514	1297	1306	1311	rBV3	202963	542715	2.56%	0.383%
18	10.802	1344	1355	1364	rBV	215338	472317	2.23%	0.333%
19	10.996	1364	1388	1389	rBV2	6569061	21164494	100.00%	14.940%
20	11.108	1400	1407	1417	rVB	1821324	3018151	14.26%	2.131%
21	11.231	1422	1428	1436	rBV2	171612	389475	1.84%	0.275%
22	11.419	1453	1460	1465	rBV	331581	582187	2.75%	0.411%
23	11.496	1465	1473	1482	rVV	262948	665452	3.14%	0.470%
24	11.725	1504	1512	1521	rVB2	731625	1383836	6.54%	0.977%
25	11.907	1535	1543	1548	rBV	264618	478503	2.26%	0.338%
26	11.966	1548	1553	1558	rVV	397723	737162	3.48%	0.520%
27	12.224	1583	1597	1601	rBV2	90397	219372	1.04%	0.155%
28	12.283	1601	1607	1618	rVV2	392405	757788	3.58%	0.535%
29	12.389	1619	1625	1628	rVV3	132709	278316	1.32%	0.196%
30	12.430	1628	1632	1636	rVV2	203800	383850	1.81%	0.271%
31	12.559	1643	1654	1662	rVV	3871238	8180660	38.65%	5.775%
32	12.641	1662	1668	1677	rVV3	262089	754587	3.57%	0.533%
33	12.771	1677	1690	1698	rVB	2528630	4974311	23.50%	3.511%
34	12.917	1707	1715	1725	rVV2	256249	635972	3.00%	0.449%

LSC Area Percent Report

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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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	13.117	1743	1749	1754	rBV3	155677	285869	1.35%	0.202%
36	13.176	1754	1759	1785	rVB7	192244	723395	3.42%	0.511%
37	13.434	1796	1803	1809	rBV3	116138	250027	1.18%	0.176%
38	13.540	1809	1821	1831	rVB2	1232154	2493896	11.78%	1.760%
39	13.640	1831	1838	1843	rBV	158162	284349	1.34%	0.201%
40	13.728	1848	1853	1865	rVB2	241171	567006	2.68%	0.400%
41	13.858	1865	1875	1877	rBV5	312507	761730	3.60%	0.538%
42	13.969	1886	1894	1897	rBV2	142790	253419	1.20%	0.179%
43	14.022	1897	1903	1908	rVV	461067	906520	4.28%	0.640%
44	14.075	1908	1912	1915	rVV	264355	451681	2.13%	0.319%
45	14.110	1915	1918	1923	rVB	259692	377915	1.79%	0.267%
46	14.192	1927	1932	1937	rVB	196546	282387	1.33%	0.199%
47	14.257	1937	1943	1946	rBV	179344	297395	1.41%	0.210%
48	14.422	1960	1971	1980	rVB2	526704	1441251	6.81%	1.017%
49	14.680	2005	2015	2017	rBV3	222295	486364	2.30%	0.343%
50	14.792	2024	2034	2038	rBV	4247852	8672898	40.98%	6.122%
51	14.850	2038	2044	2049	rVB	1341422	2309237	10.91%	1.630%
52	14.986	2060	2067	2075	rBV2	1363712	3193882	15.09%	2.255%
53	15.115	2082	2089	2097	rVB2	2887680	5896140	27.86%	4.162%
54	15.691	2182	2187	2192	rBV	389508	569472	2.69%	0.402%
55	15.761	2192	2199	2204	rVB	2692692	4669403	22.06%	3.296%
56	15.832	2204	2211	2213	rBV5	176302	324087	1.53%	0.229%
57	15.873	2213	2218	2220	rBV3	199924	345864	1.63%	0.244%
58	15.979	2227	2236	2243	rVB5	516390	1479729	6.99%	1.045%
59	16.037	2243	2246	2253	rVB2	175853	279469	1.32%	0.197%
60	16.120	2255	2260	2264	rBV	252131	419689	1.98%	0.296%
61	16.172	2264	2269	2283	rVB3	378169	1041861	4.92%	0.735%
62	16.419	2306	2311	2323	rVB2	273877	558178	2.64%	0.394%
63	16.537	2325	2331	2337	rBV	148102	249255	1.18%	0.176%
64	16.631	2337	2347	2354	rBV	846127	1587400	7.50%	1.121%
65	16.707	2354	2360	2371	rVV	1183897	2087748	9.86%	1.474%
66	16.948	2395	2401	2406	rBV3	158268	293628	1.39%	0.207%
67	17.230	2444	2449	2452	rBV	491269	747456	3.53%	0.528%
68	17.265	2452	2455	2459	rVV	319588	435744	2.06%	0.308%
69	17.330	2459	2466	2473	rVV2	232815	451343	2.13%	0.319%
70	17.395	2473	2477	2480	rVV	363504	493118	2.33%	0.348%
71	17.436	2480	2484	2488	rVV2	387368	717379	3.39%	0.506%

LSC Area Percent Report

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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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	17.506	2488	2496	2500	rVV	3535404	6453203	30.49%	4.555%
73	17.547	2500	2503	2506	rVV	458898	695541	3.29%	0.491%
74	17.583	2506	2509	2517	rVV	415643	695104	3.28%	0.491%
75	17.823	2544	2550	2551	rVV2	353355	523058	2.47%	0.369%
76	17.876	2551	2559	2565	rVV	3086502	6630870	31.33%	4.681%
77	17.953	2565	2572	2578	rVV	1097563	1980293	9.36%	1.398%
78	18.023	2578	2584	2590	rVB	1518686	2487773	11.75%	1.756%
79	18.094	2590	2596	2601	rBV	283812	622968	2.94%	0.440%
80	18.147	2601	2605	2609	rVV2	176457	249858	1.18%	0.176%
81	18.199	2609	2614	2619	rVV2	195343	307907	1.45%	0.217%
82	18.288	2624	2629	2634	rBV	623805	939101	4.44%	0.663%
83	18.376	2638	2644	2651	rBV3	800523	1518036	7.17%	1.072%
84	18.446	2651	2656	2663	rVB	878138	1375405	6.50%	0.971%
85	18.517	2663	2668	2677	rVB3	371079	697960	3.30%	0.493%
86	18.599	2677	2682	2684	rBV	356991	560877	2.65%	0.396%
87	18.764	2704	2710	2714	rBV2	389269	612837	2.90%	0.433%
88	18.811	2714	2718	2723	rVB	347226	480415	2.27%	0.339%
89	18.869	2723	2728	2731	rBV2	172672	268907	1.27%	0.190%
90	19.122	2767	2771	2776	rVV2	264999	399419	1.89%	0.282%
91	19.492	2828	2834	2840	rVB	583510	835533	3.95%	0.590%
92	19.827	2885	2891	2894	rVV	596455	948786	4.48%	0.670%
93	19.862	2894	2897	2905	rVB2	463421	741018	3.50%	0.523%
94	20.232	2955	2960	2966	rBV2	336567	506558	2.39%	0.358%
95	20.315	2967	2974	2983	rBV	409596	742841	3.51%	0.524%
96	20.967	3080	3085	3092	rVB2	146666	252571	1.19%	0.178%
97	21.713	3205	3212	3218	rBV2	365040	625864	2.96%	0.442%
98	23.176	3450	3461	3470	rVB	131730	338554	1.60%	0.239%
99	24.745	3717	3728	3741	rBV	308365	824406	3.90%	0.582%
100	24.968	3755	3766	3779	rVB	166527	477816	2.26%	0.337%

Sum of corrected areas: 141658909

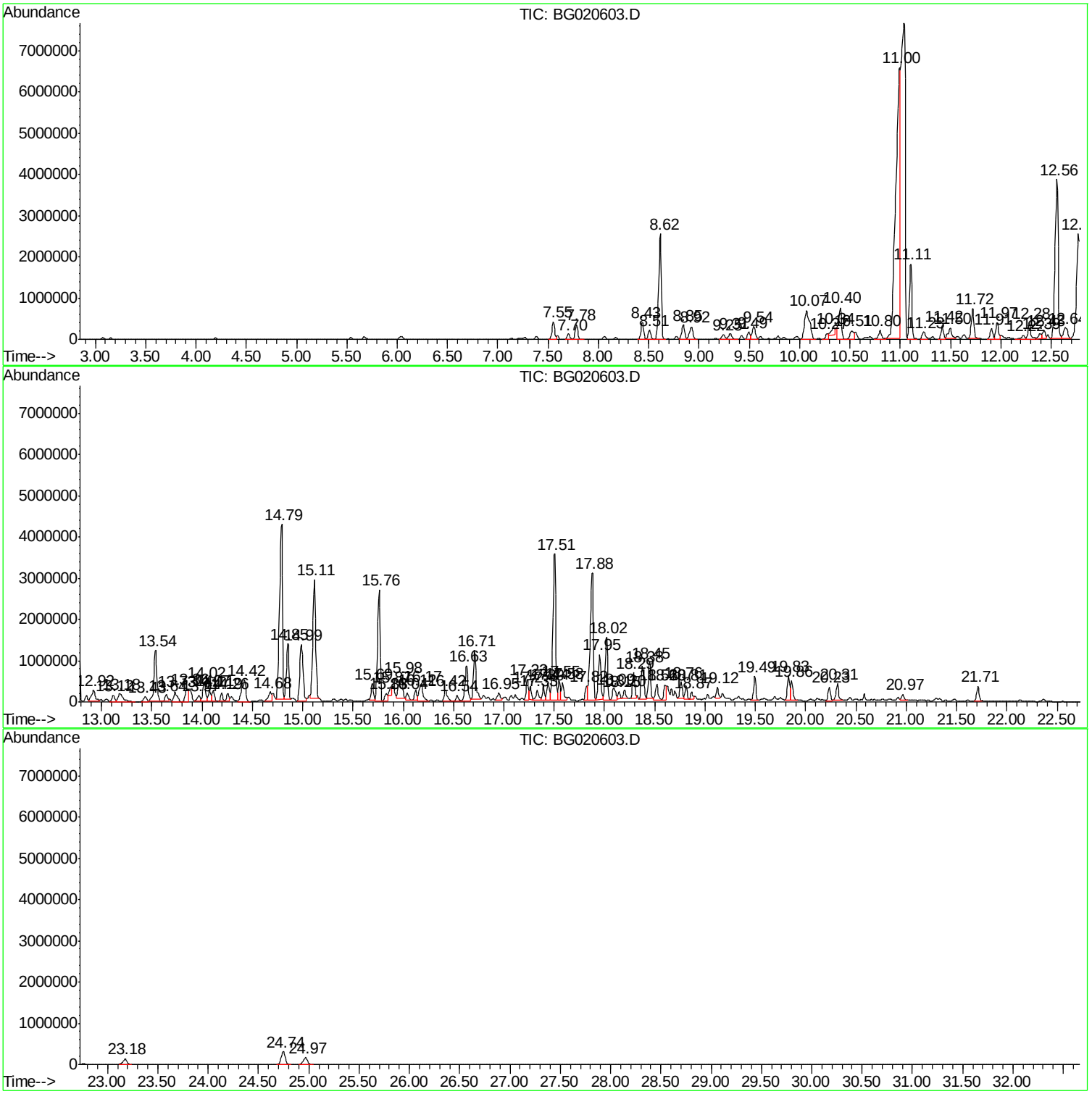
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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 : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
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Instrument : BNA_G
ClientSampleId : D9N51

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

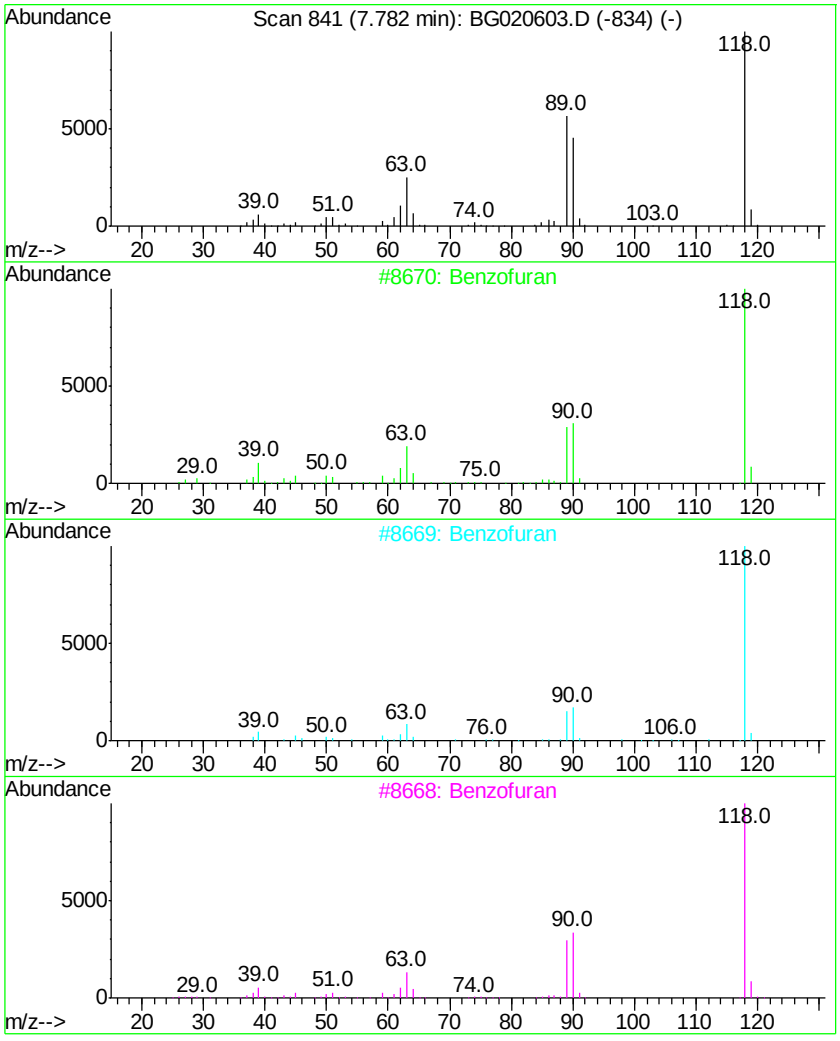
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

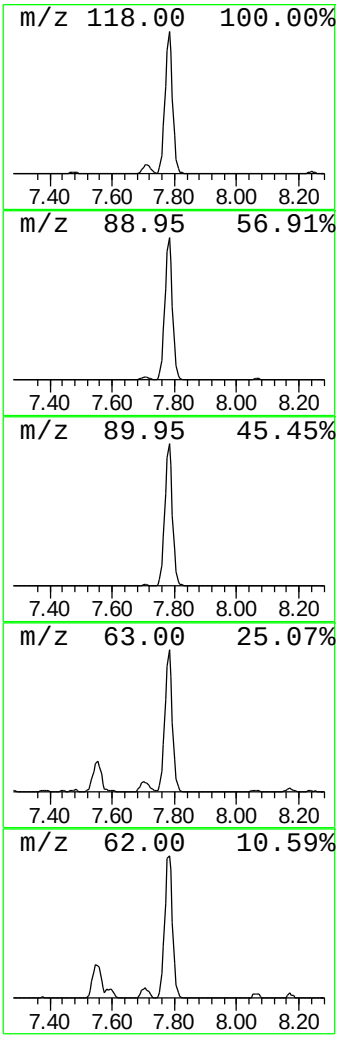
****

Peak Number 2 Benzofuran Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	20.00 ng/ul	628418	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	91
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	74
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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

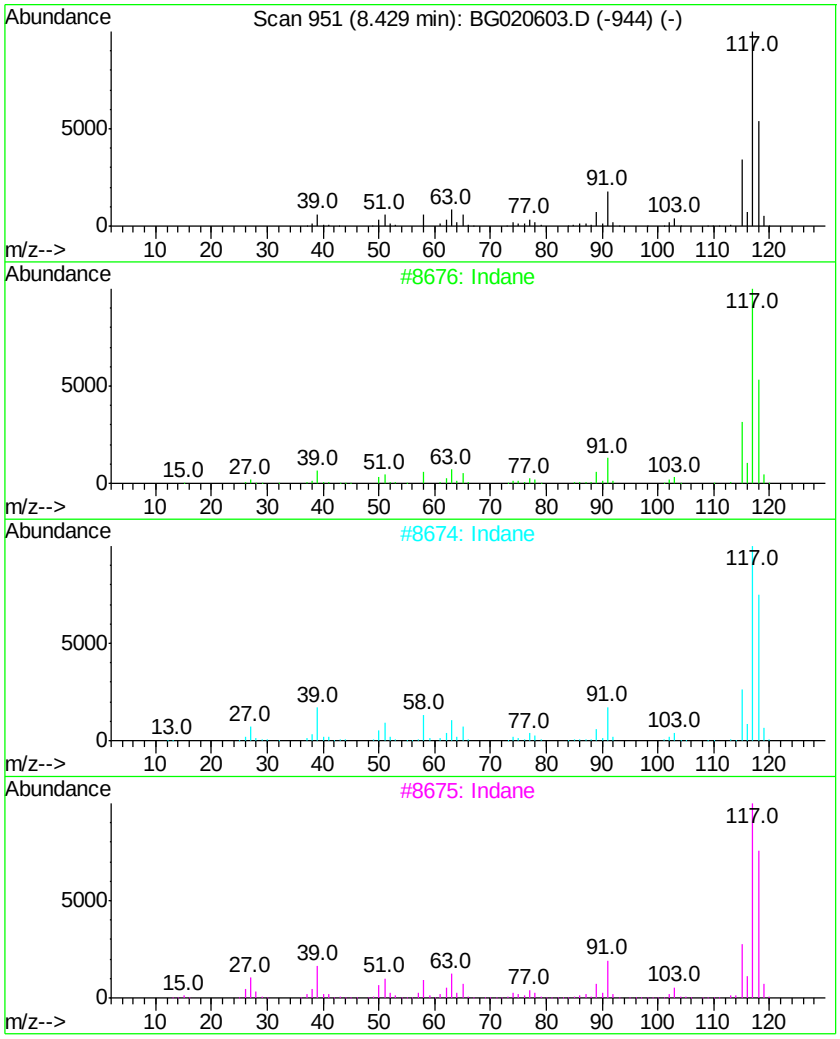
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

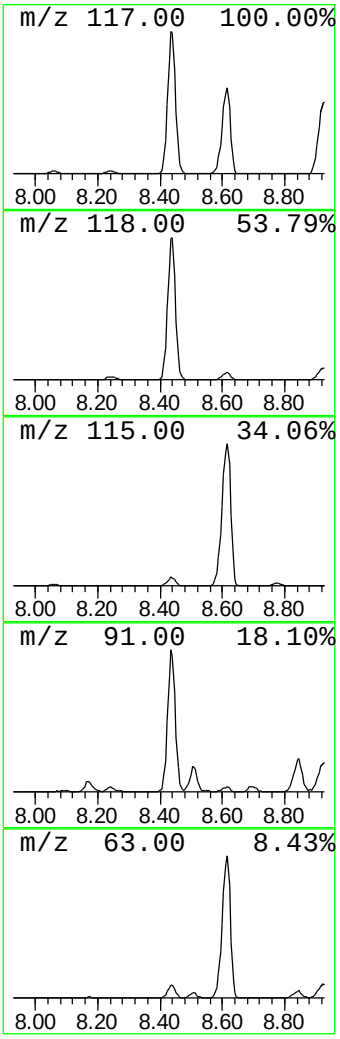
****

Peak Number 3 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	23.56 ng/ul	740399	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	91
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	87
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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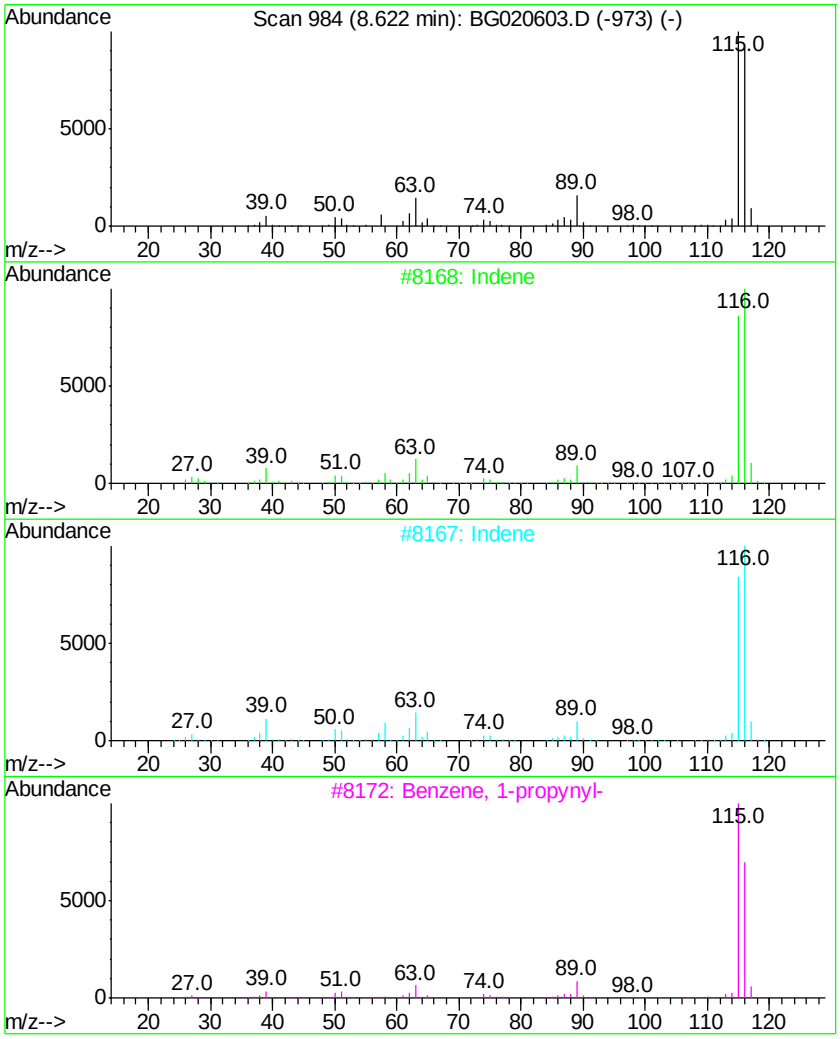
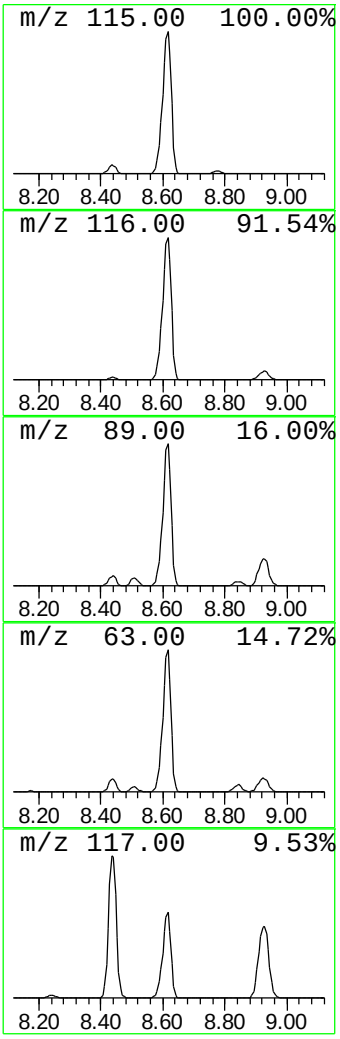
Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	155.15 ng/ul	4875050	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





Library Search Compound Report

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Data File : BG020603.D
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Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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

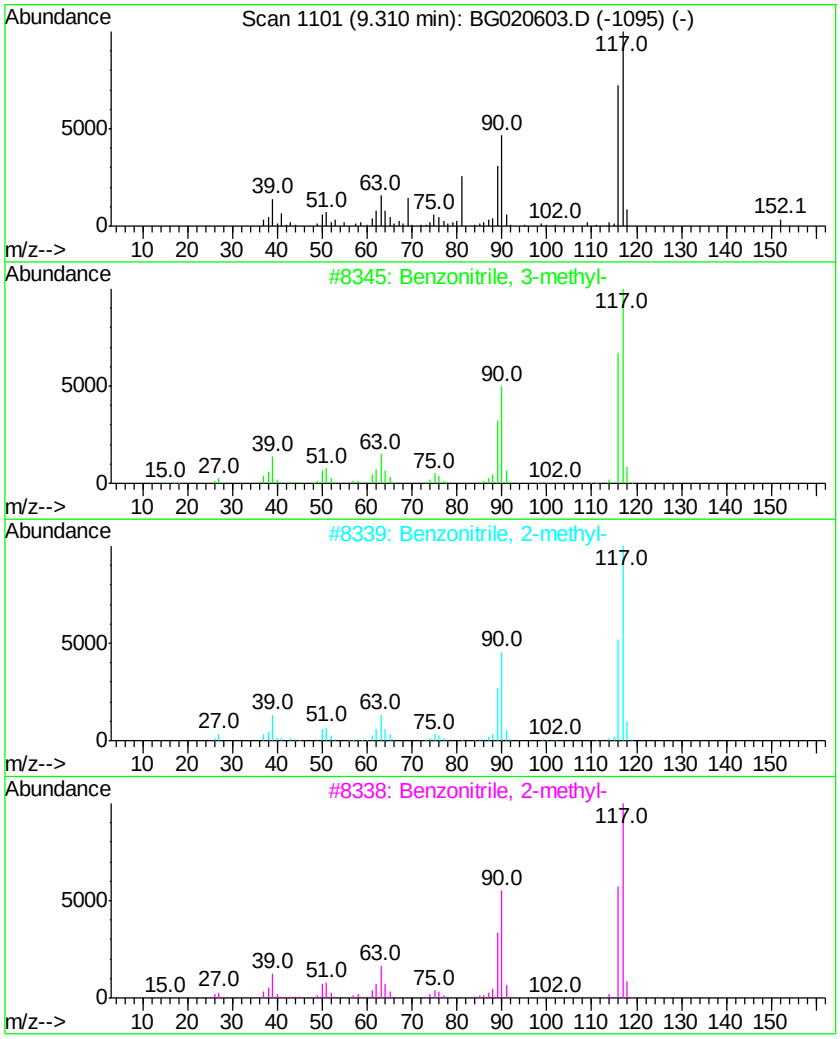
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

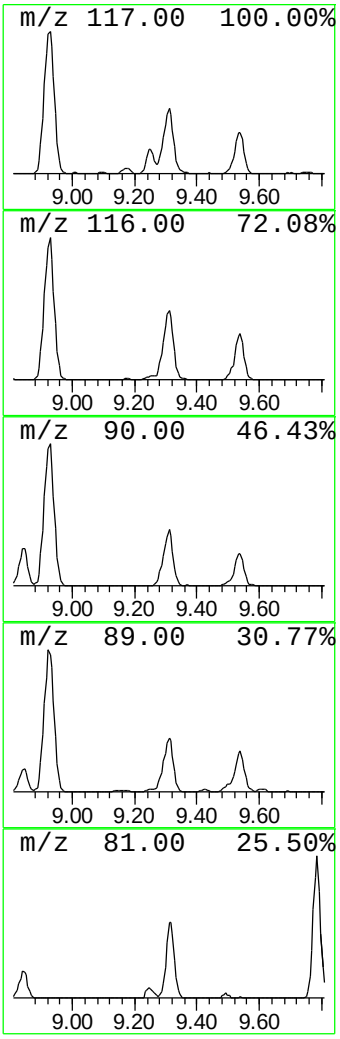
****

Peak Number 5 Benzonitrile, 3-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	9.82 ng/ul	308475	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	97
2	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	96
4	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
5	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96





Library Search Compound Report

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Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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

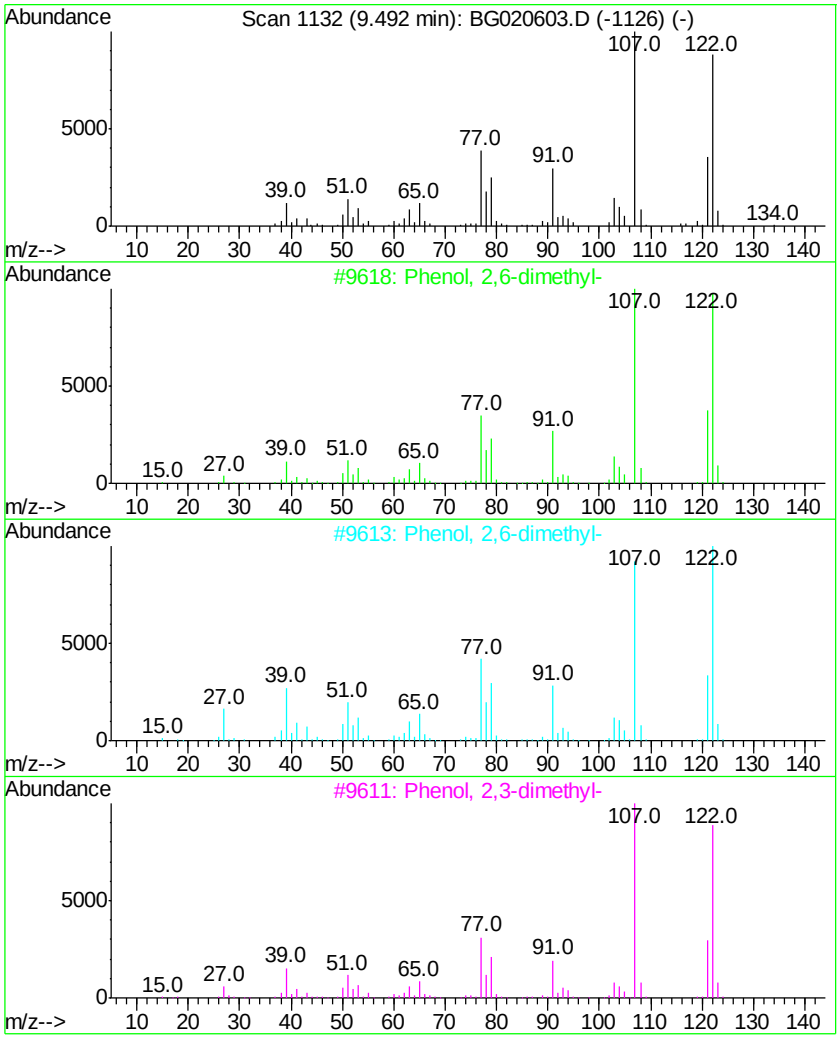
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

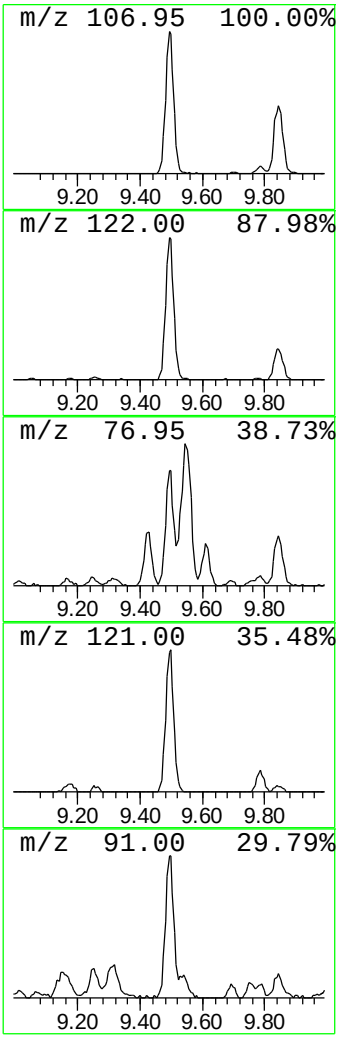
****

Peak Number 6 Phenol, 2,6-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	10.79 ng/ul	338898	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
3	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	96
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	95
5	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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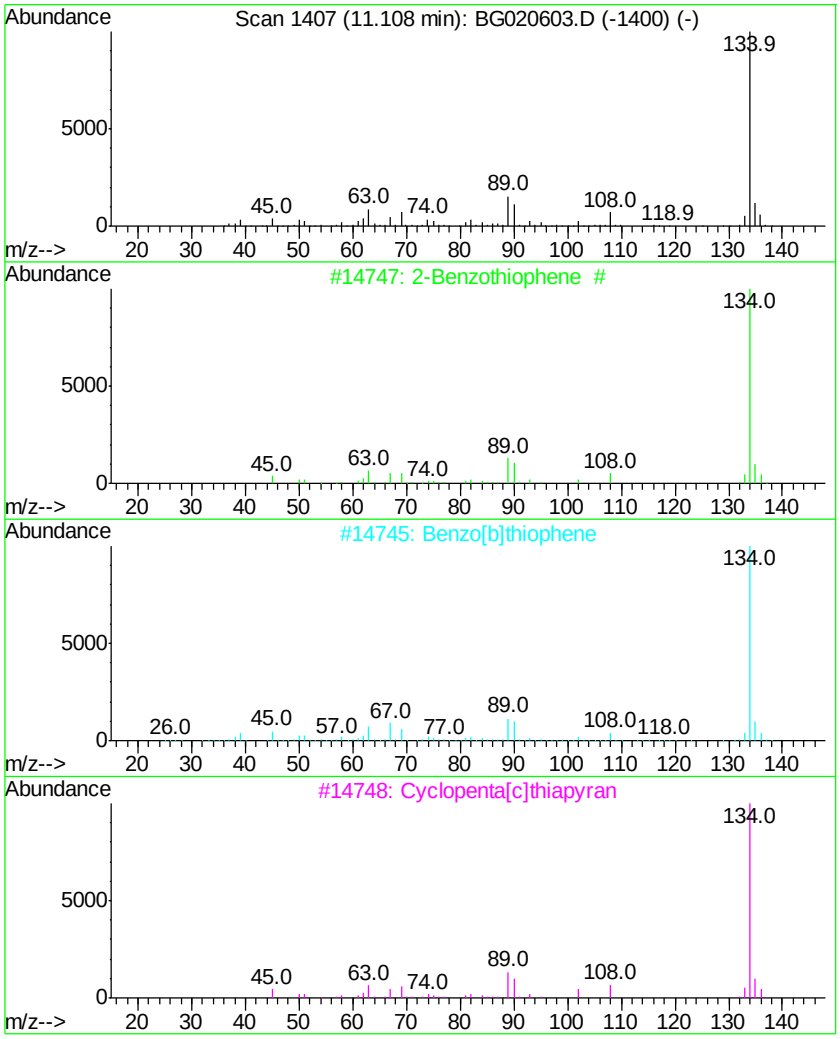
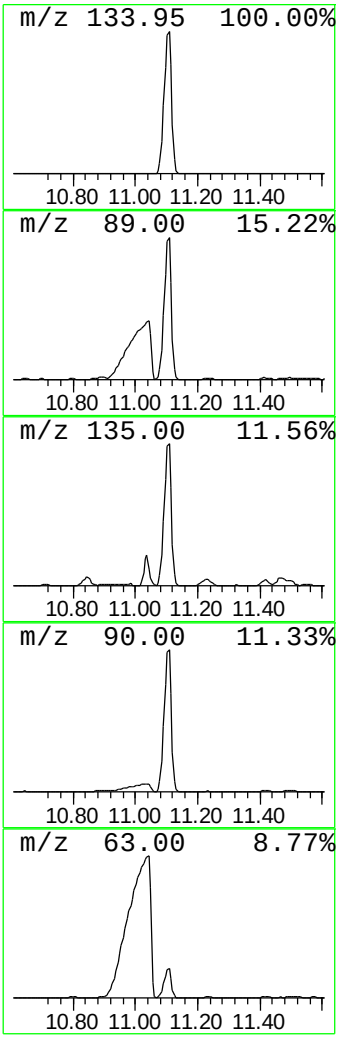
Peak Number 7 2-Benzothiophene # Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	2.85 ng/ul	3018150	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	93





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Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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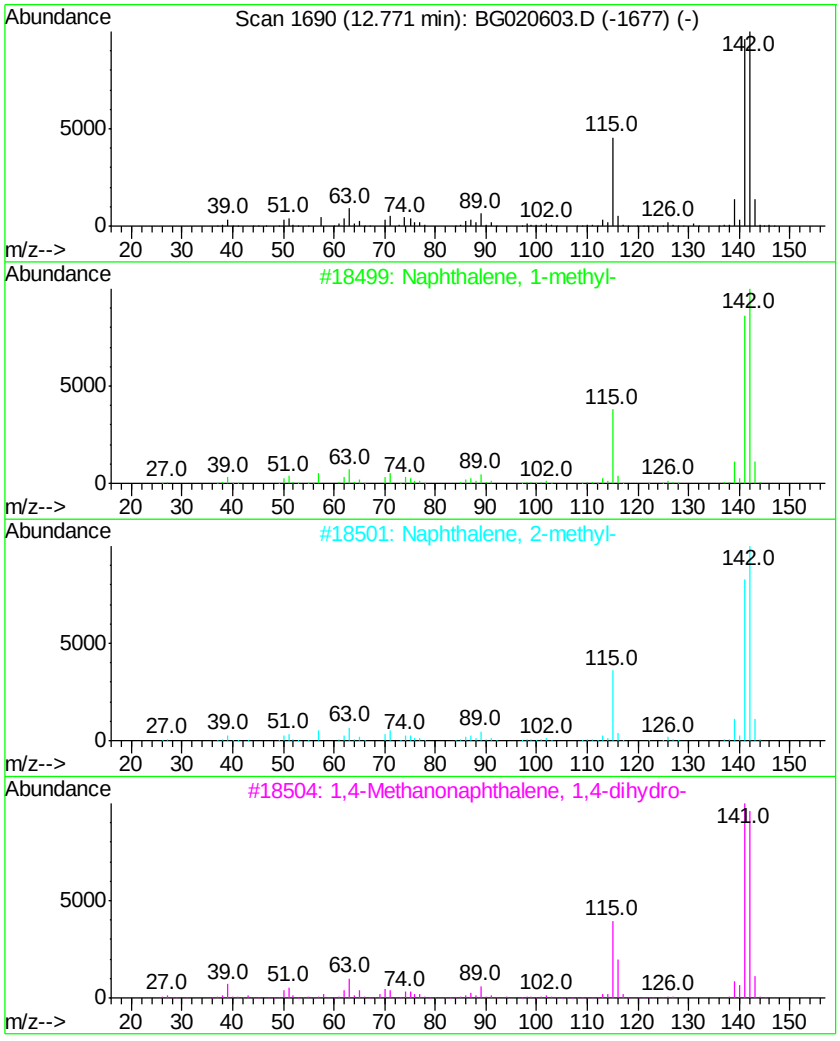
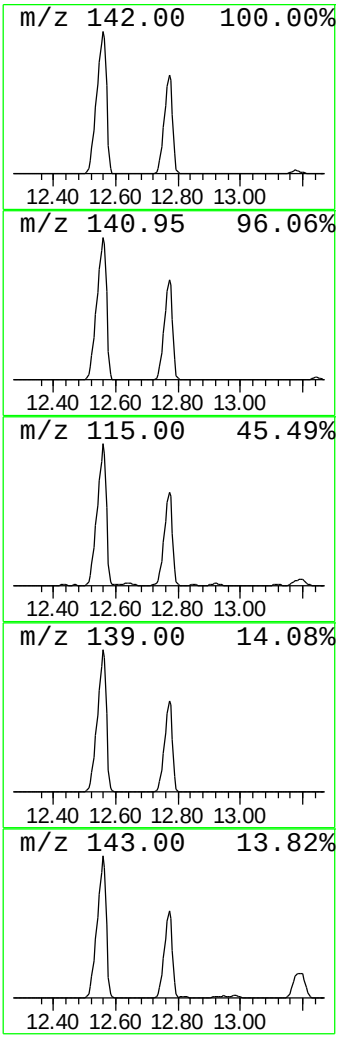
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	4.70 ng/ul	4974310	Naphthalene-d8	10.94

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





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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

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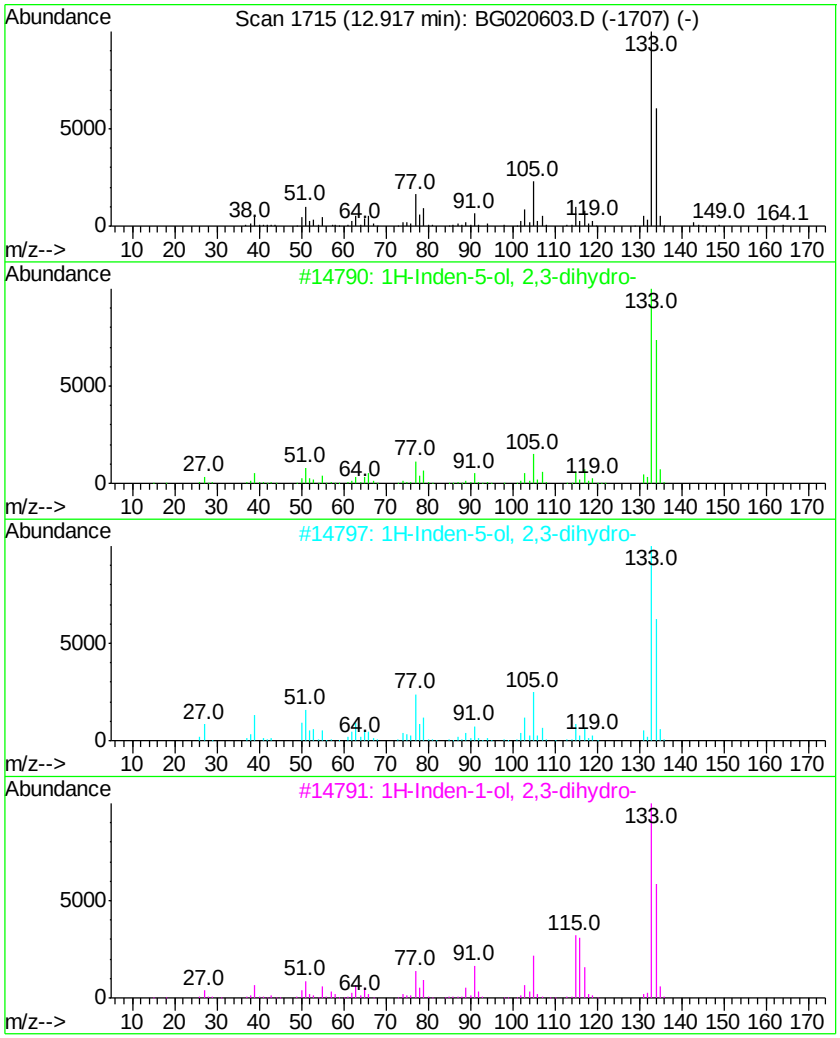
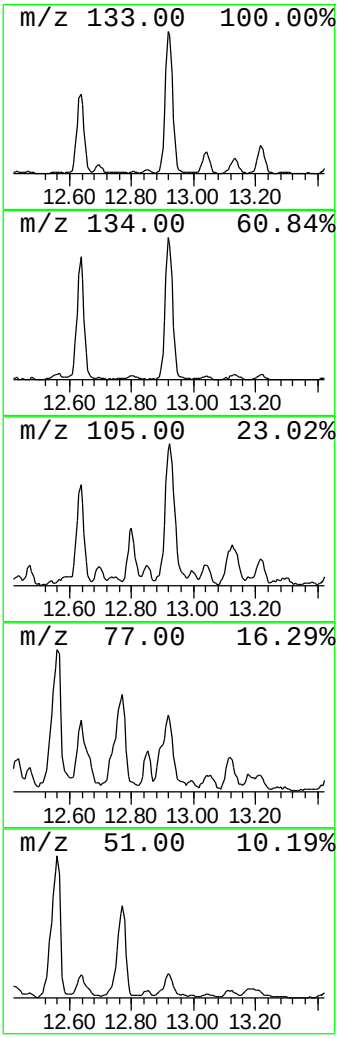
Peak Number 9 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	26.15 ng/ul	635972	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
3	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	72
4	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	64
5	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	018217-82-8	52





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Instrument : BNA_G
ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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

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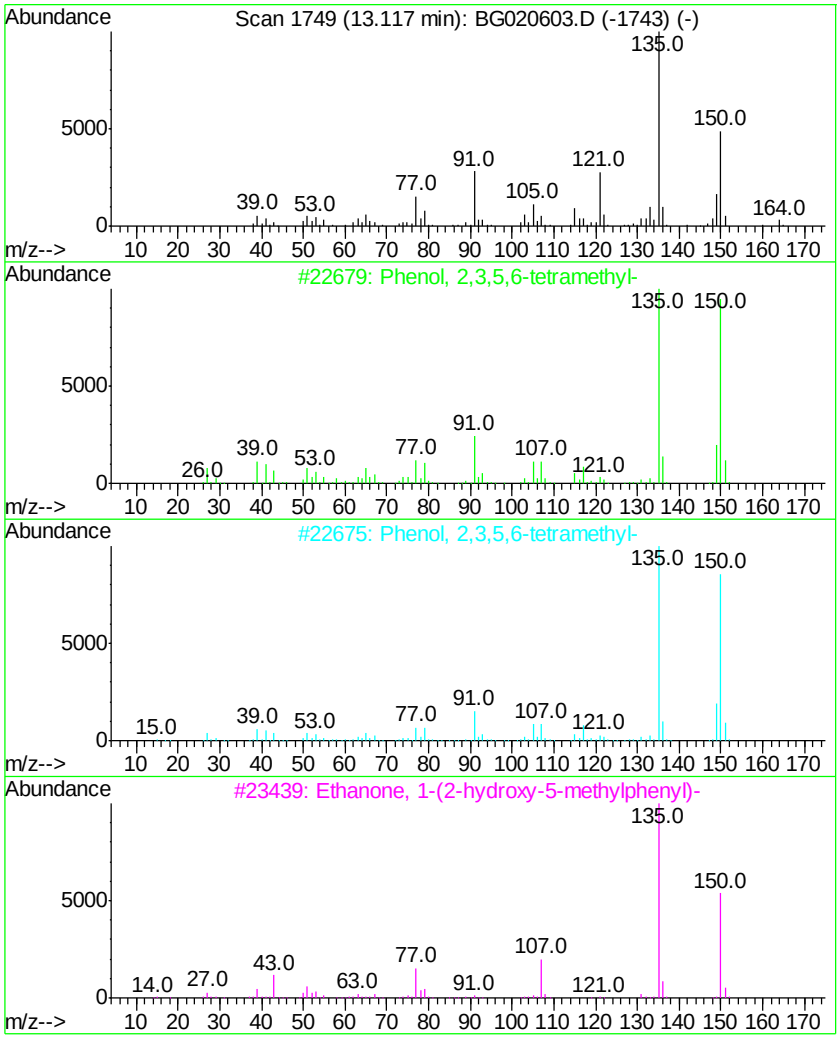
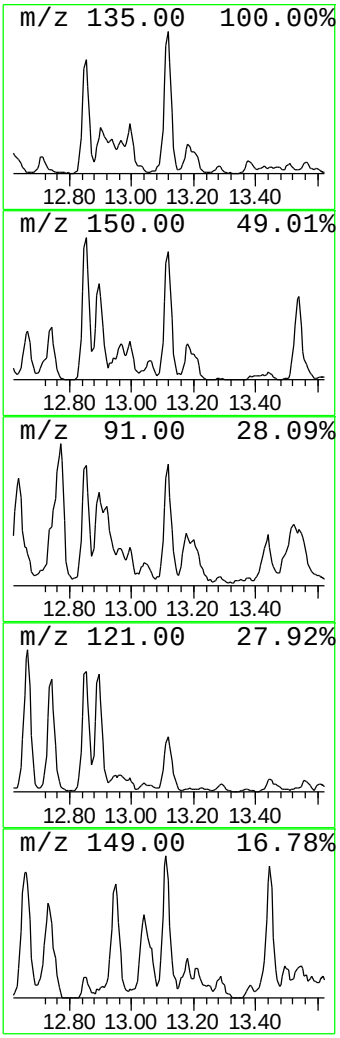
Peak Number 10 Phenol, 2,3,5,6-tetramethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	11.76 ng/ul	285869	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	83
2	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	80
3	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	74
4	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72
5	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72





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Sample : G4846-05
Misc :
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Instrument : BNA_G
ClientSampleId : D9N51

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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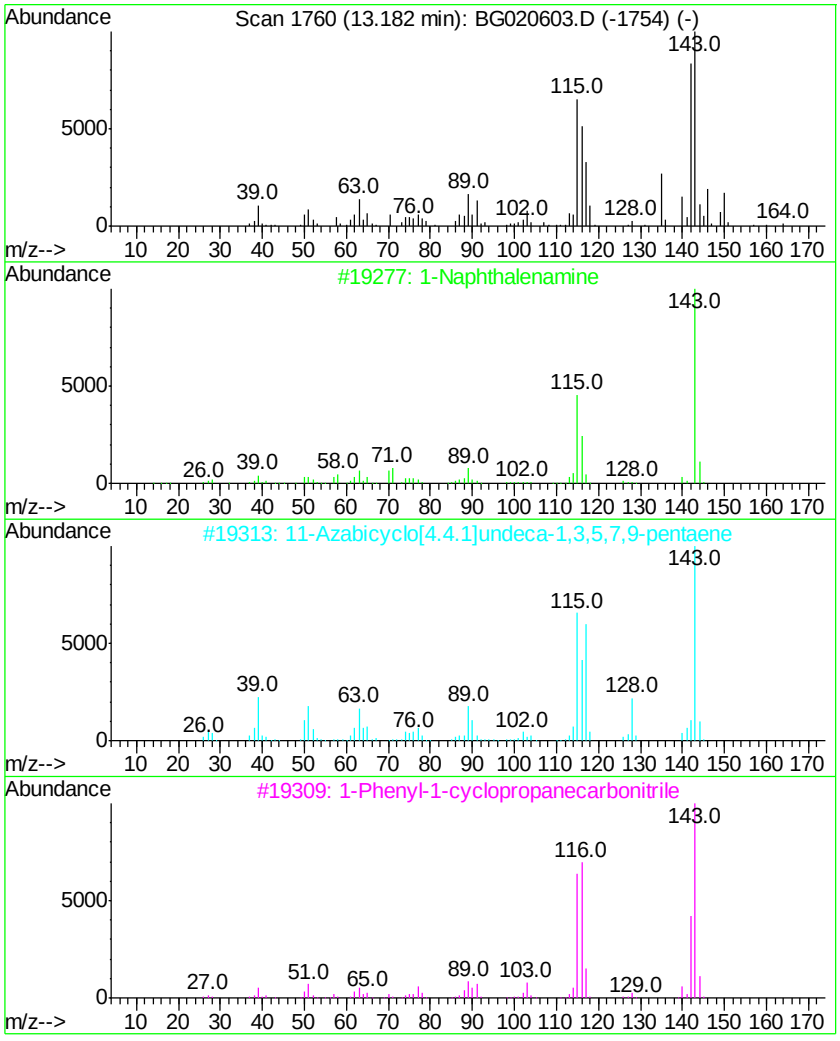
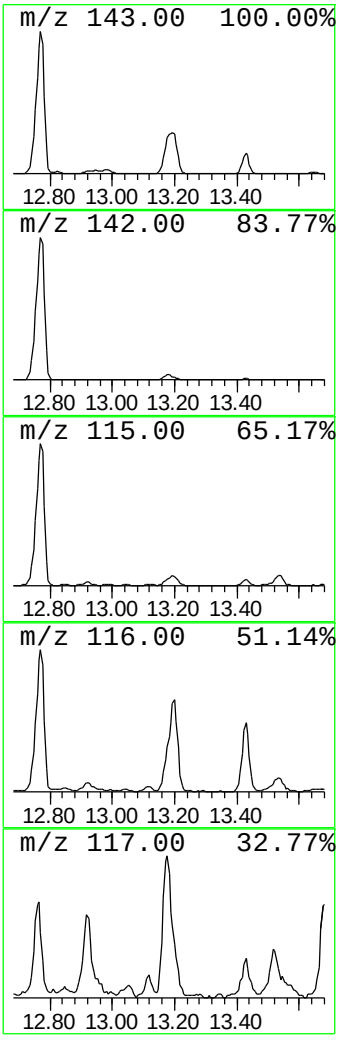
Peak Number 11 1-Naphthalenamine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	29.75 ng/ul	723395	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenamine	143	C10H9N	000134-32-7	50
2	11-Azabicyclo[4.4.1]undeca-1,3,5...	143	C10H9N	004753-55-3	49
3	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	49
4	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	46
5	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	46





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Sample : G4846-05
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ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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

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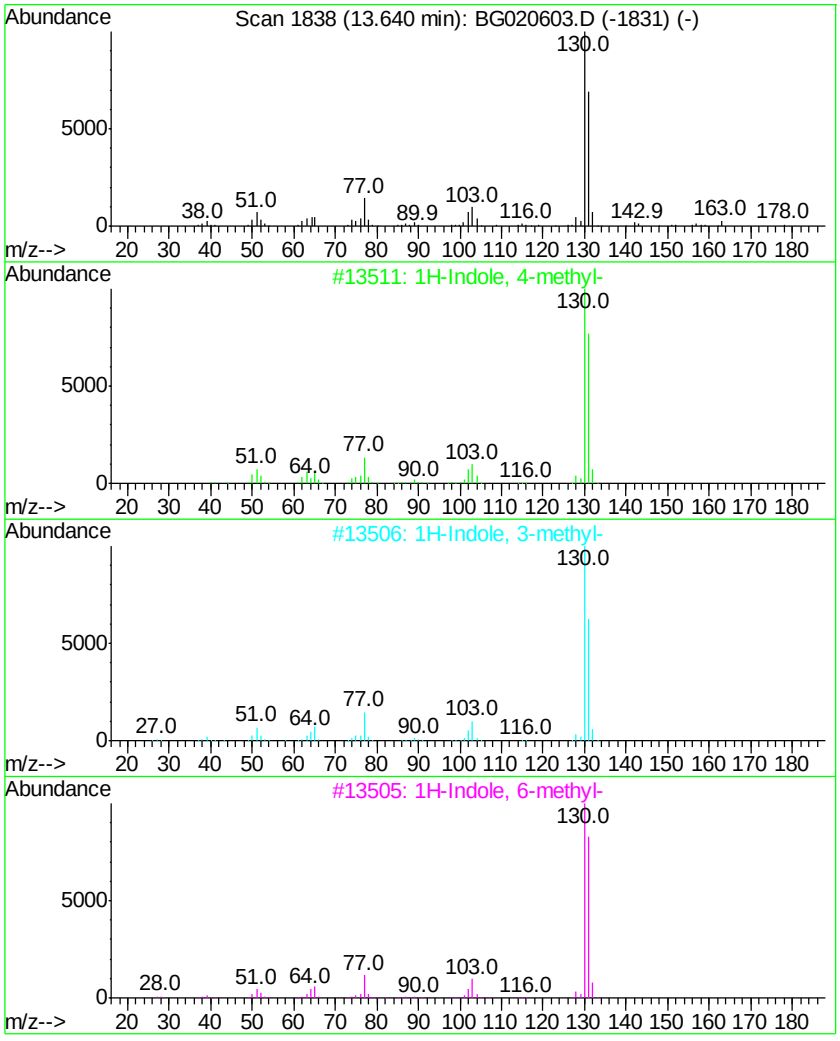
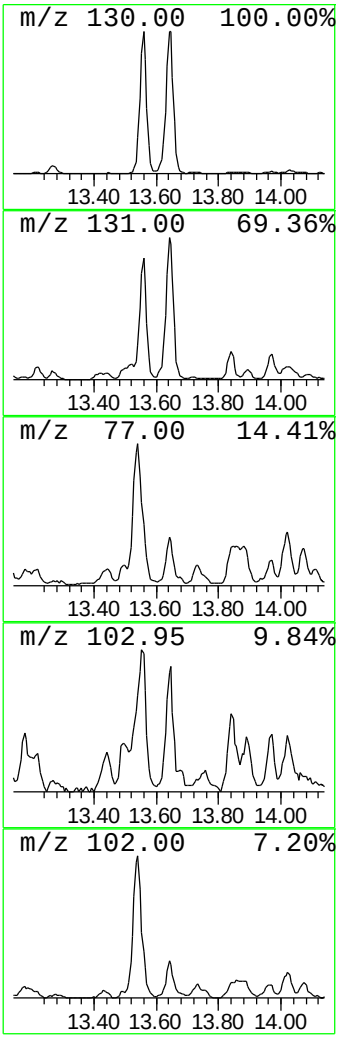
Peak Number 13 1H-Indole, 4-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	11.69 ng/ul	284349	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	97
2	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	94
3	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	94
4	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	94
5	1H-Indole, 7-methyl-	131	C9H9N	000933-67-5	94





Library Search Compound Report

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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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

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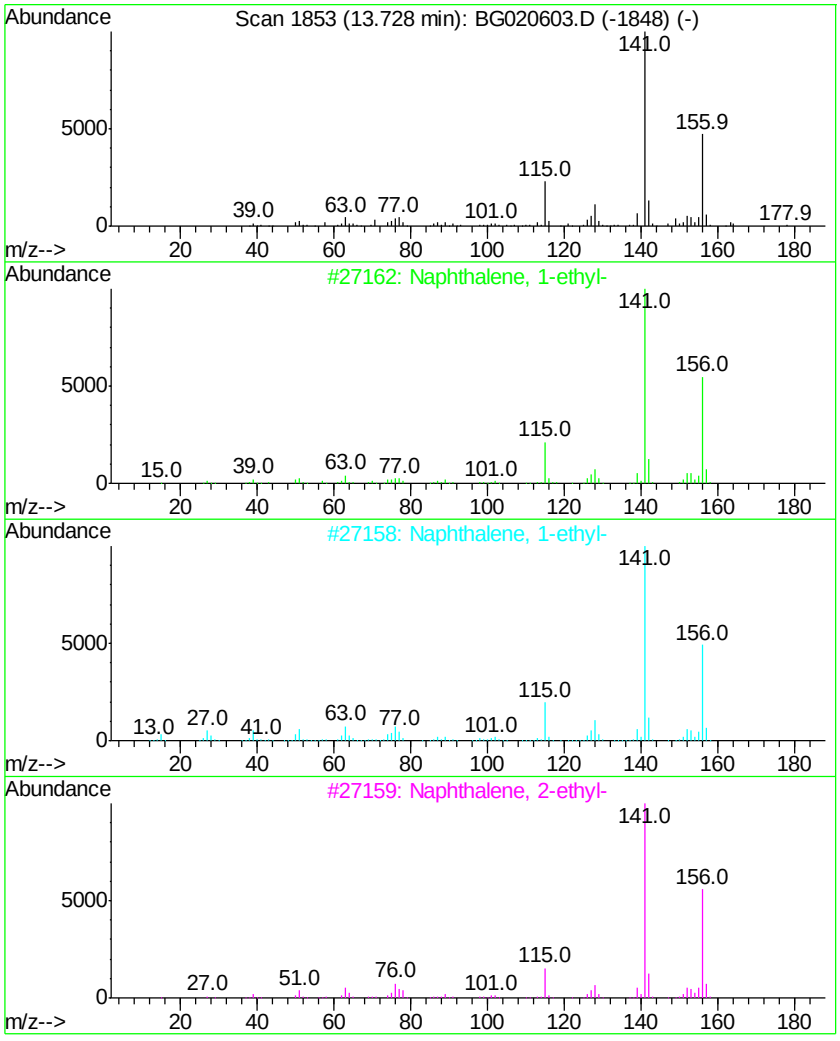
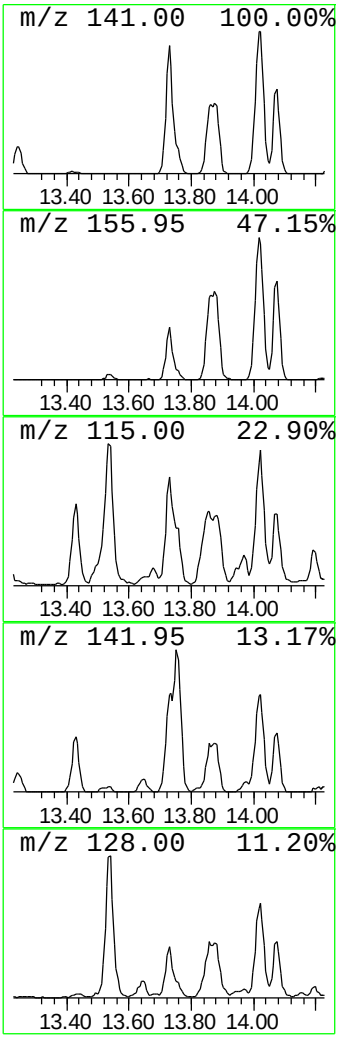
Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	23.32 ng/ul	567006	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	87





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Sample : G4846-05
Misc :
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Instrument : BNA_G
ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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

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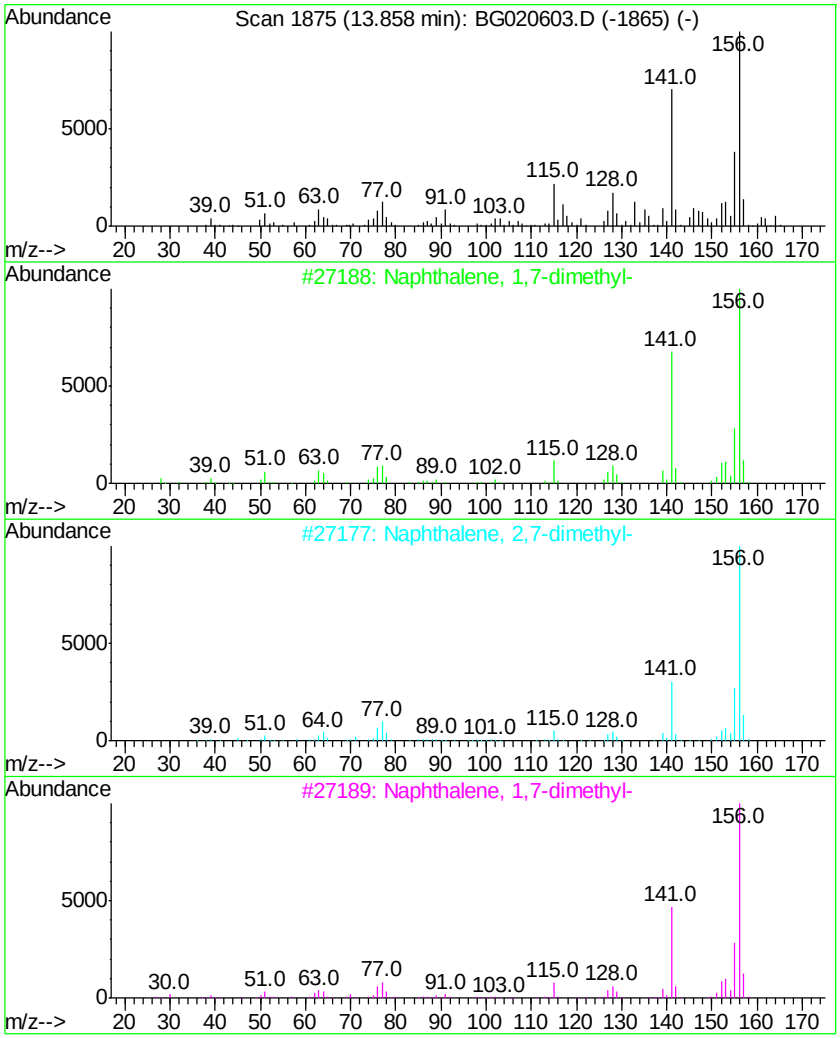
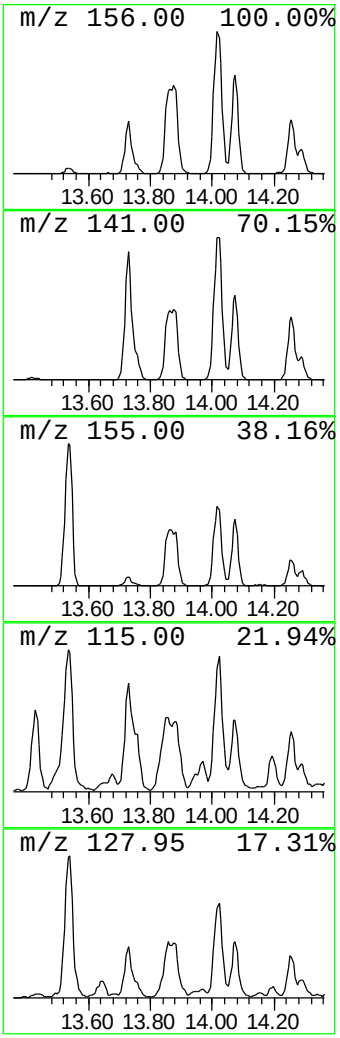
Peak Number 15 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	31.32 ng/ul	761730	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Instrument : BNA_G
ClientSampleId : D9N51

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Quant Title : SVOA CALIBRATION

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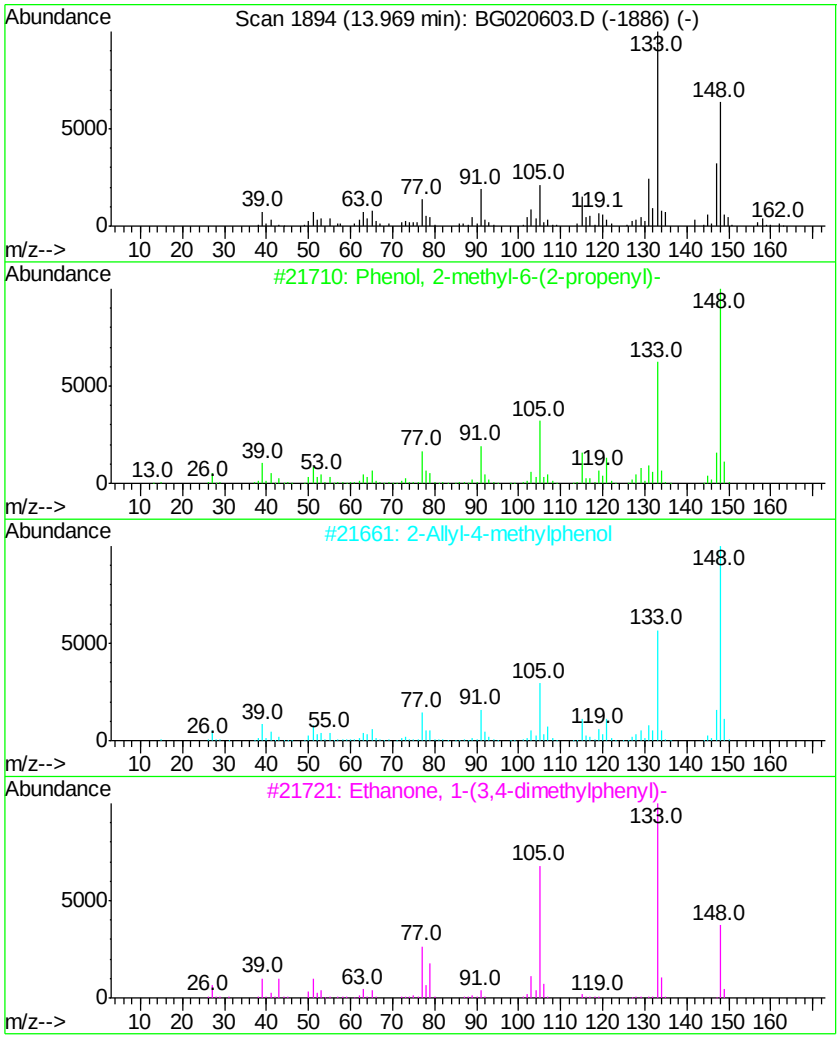
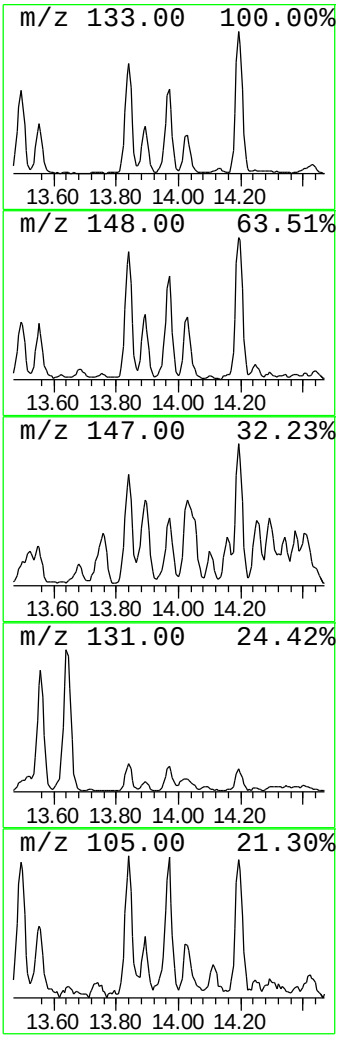
Peak Number 16 Phenol, 2-methyl-6-(2-prope... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	10.42 ng/ul	253419	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	76
2	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	72
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	58
4	6-Methyl-4-indanol	148	C10H12O	020294-32-0	53
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	53





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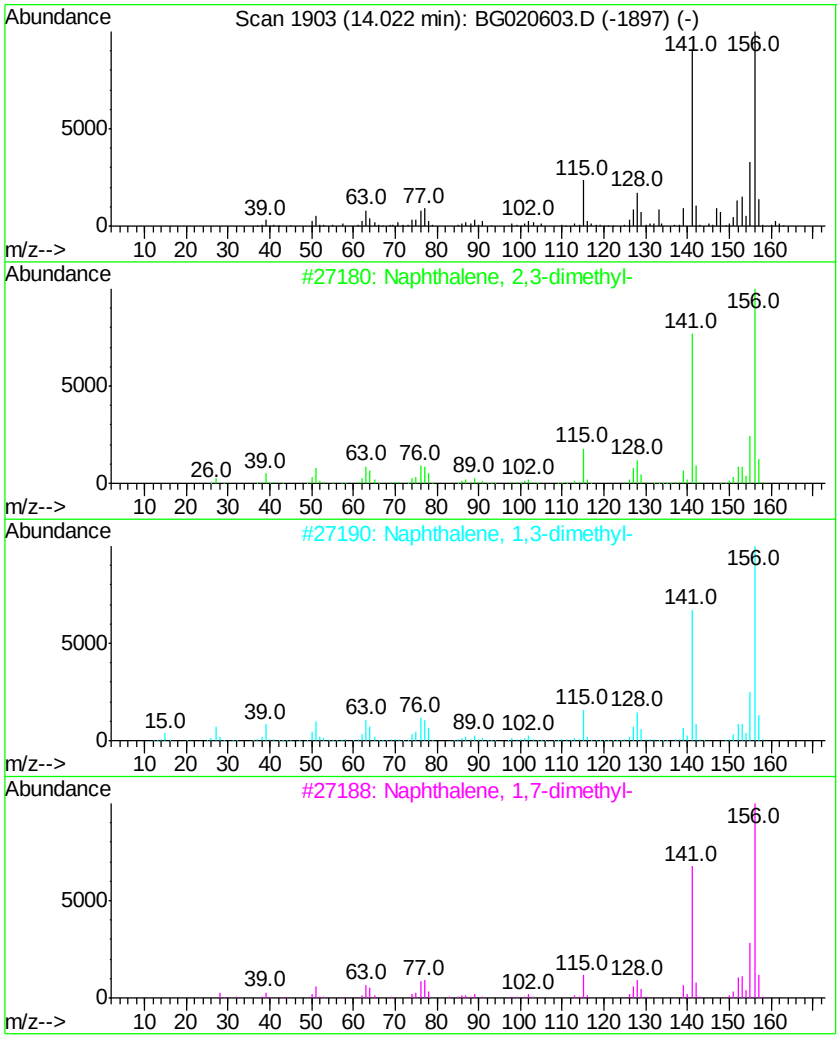
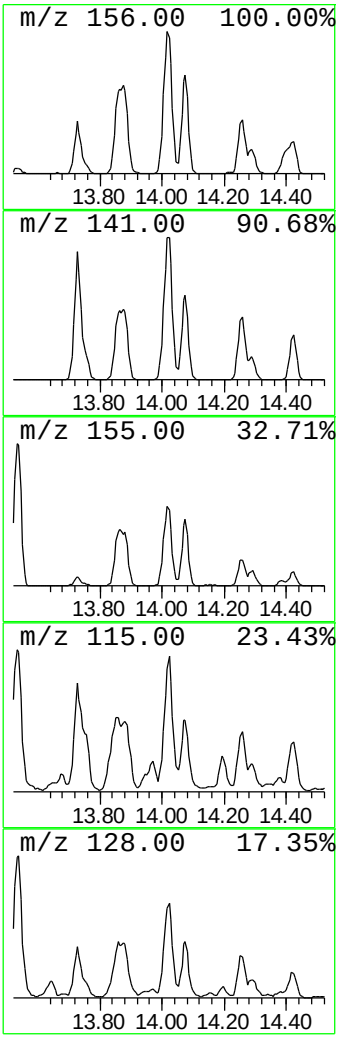
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	37.28 ng/ul	906520	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, 1,3-dimethyl-	156	C12H12	000575-41-7	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, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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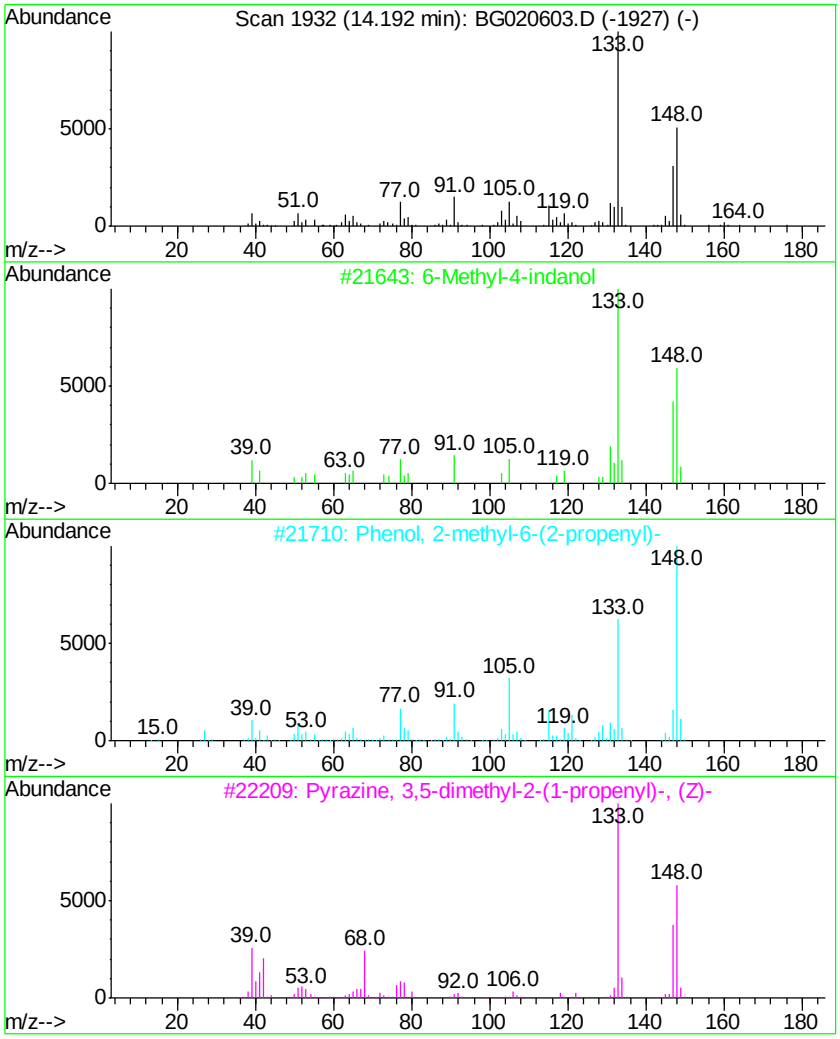
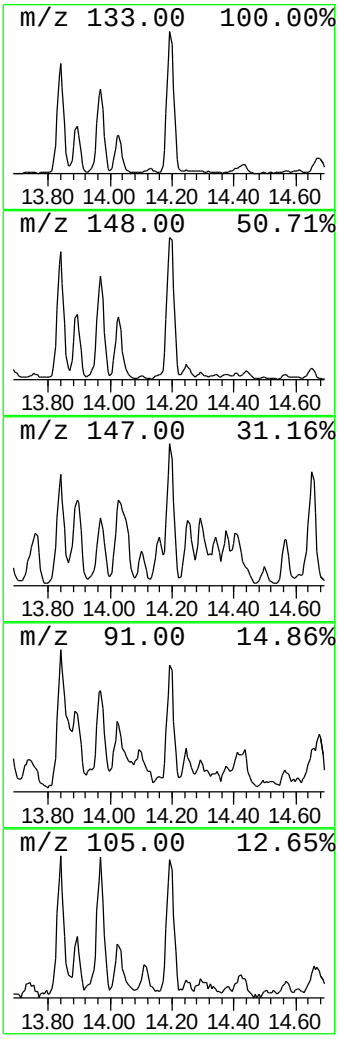
Peak Number 18 6-Methyl-4-indanol Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	11.61 ng/ul	282387	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	87
2	Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	86
3	Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	80
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	70





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TIC Integration Parameters: LSCINT.P

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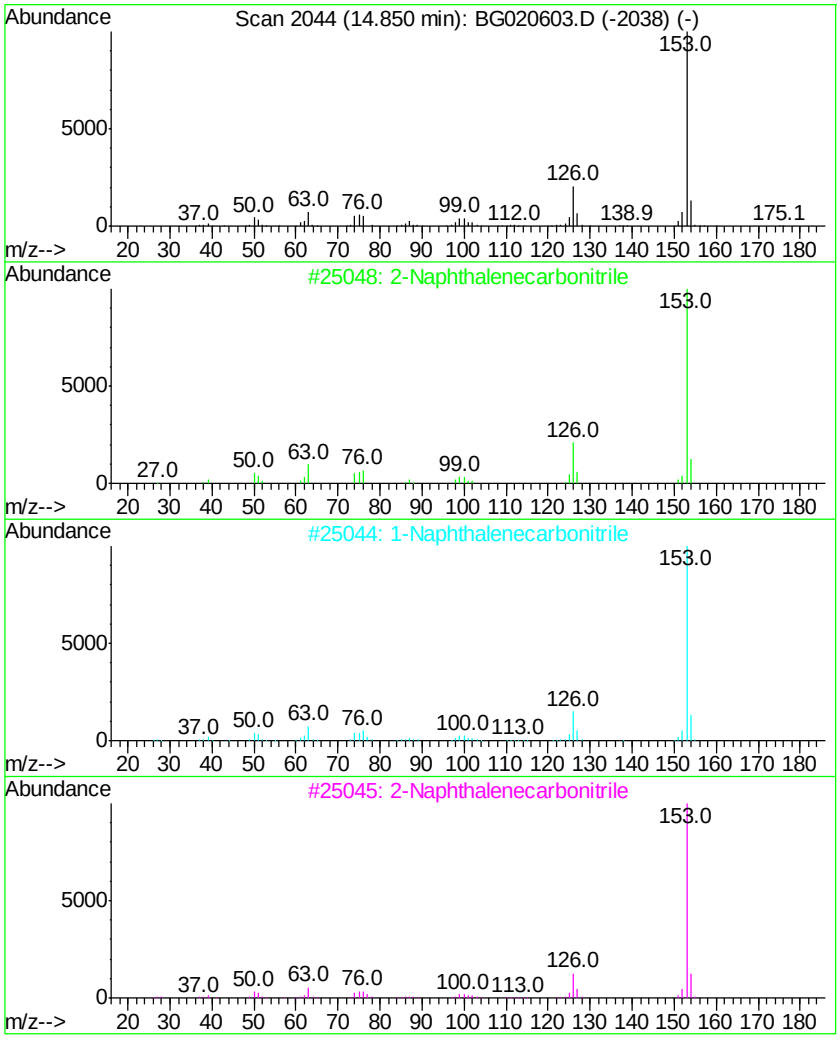
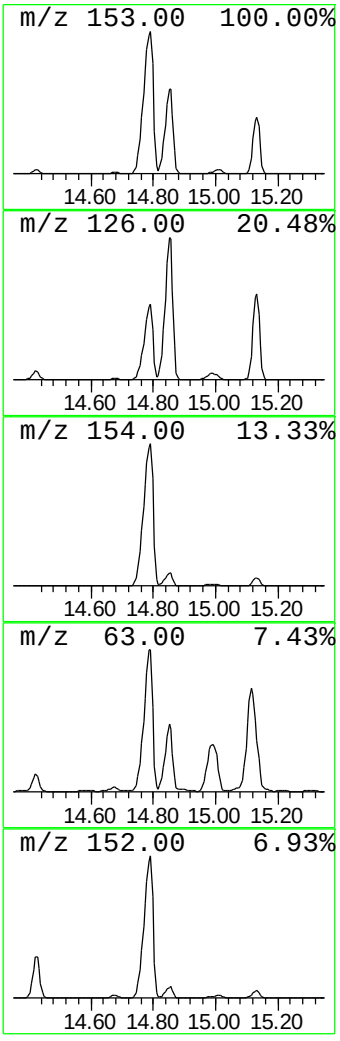
Peak Number 20 2-Naphthalenecarbonitrile Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	94.96 ng/ul	2309240	Acenaphthene-d10	14.70

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





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Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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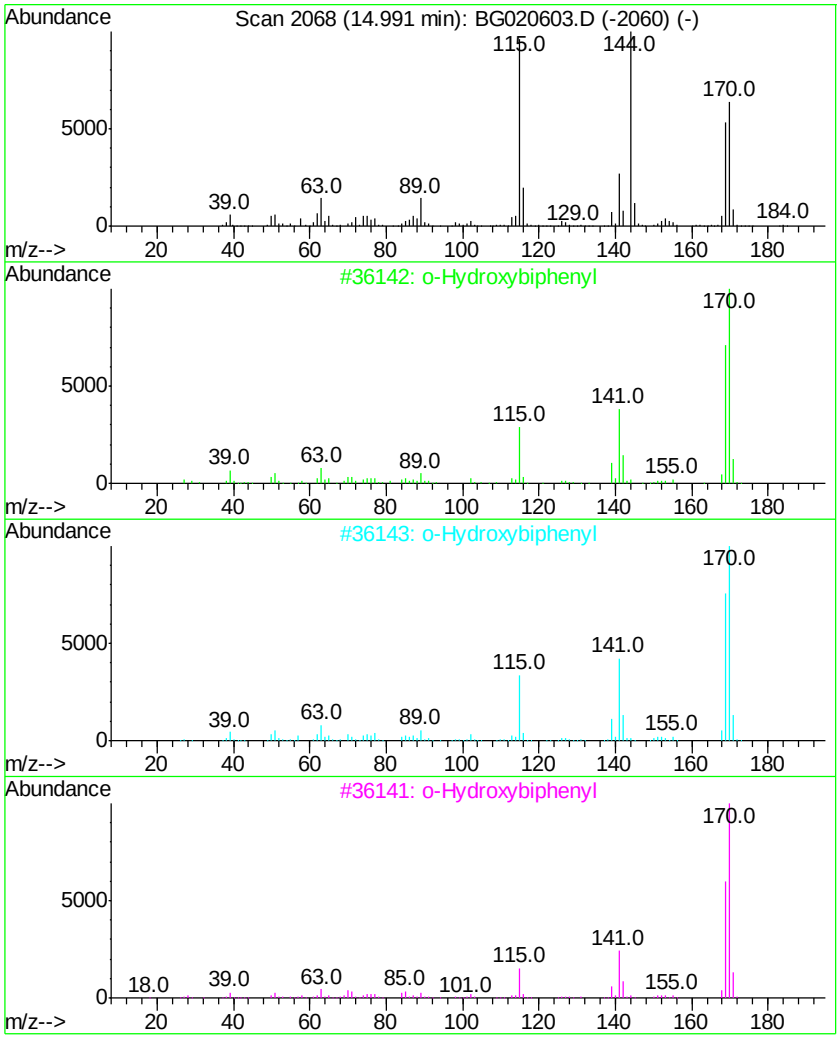
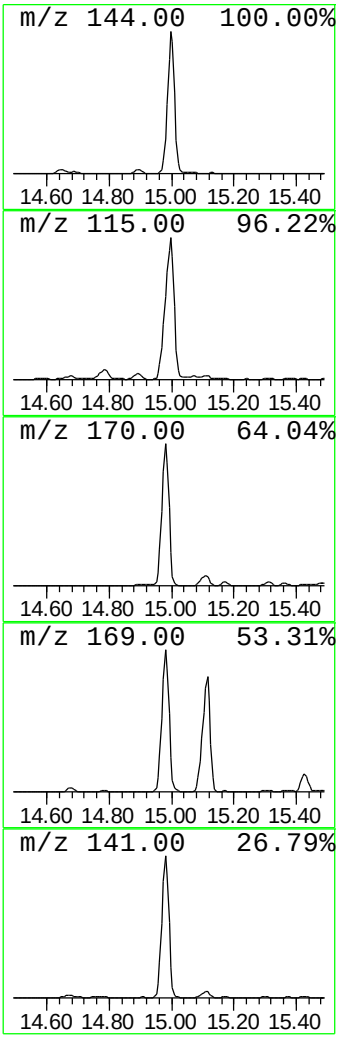
Peak Number 21 o-Hydroxybiphenyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	131.34 ng/ul	3193880	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	92
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	92
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	64
4	2-Naphthalenol	144	C10H8O	000135-19-3	53
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	43





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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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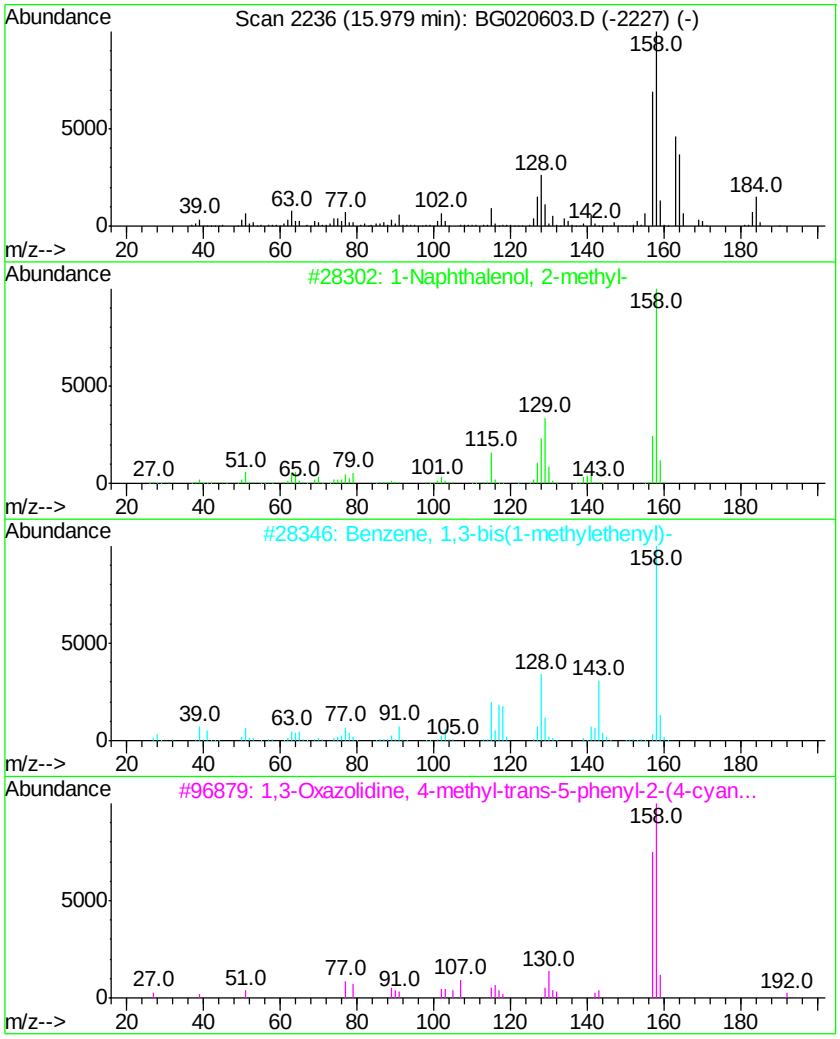
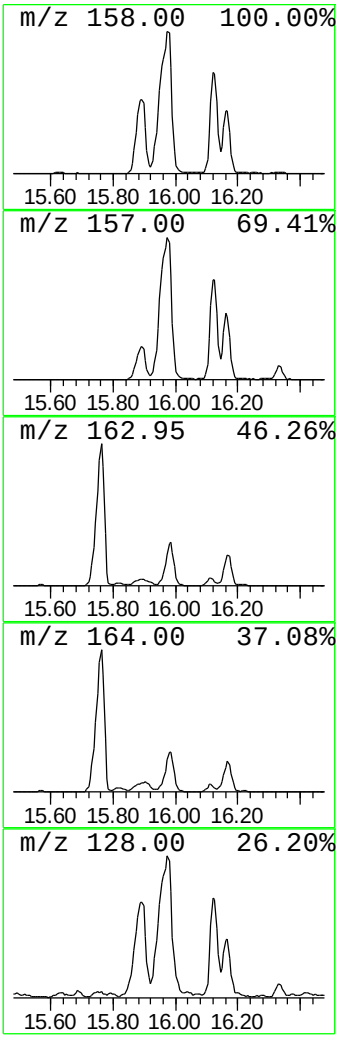
Peak Number 22 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	60.85 ng/ul	1479730	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	43
2	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	38
3	1,3-Oxazolidine, 4-methyl-trans-...	264	C17H16N2O	1000138-86-9	37
4	5,8-Dimethylquinoxaline	158	C10H10N2	064931-22-2	35
5	1,4-Naphthalenediamine	158	C10H10N2	002243-61-0	32





Library Search Compound Report

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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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

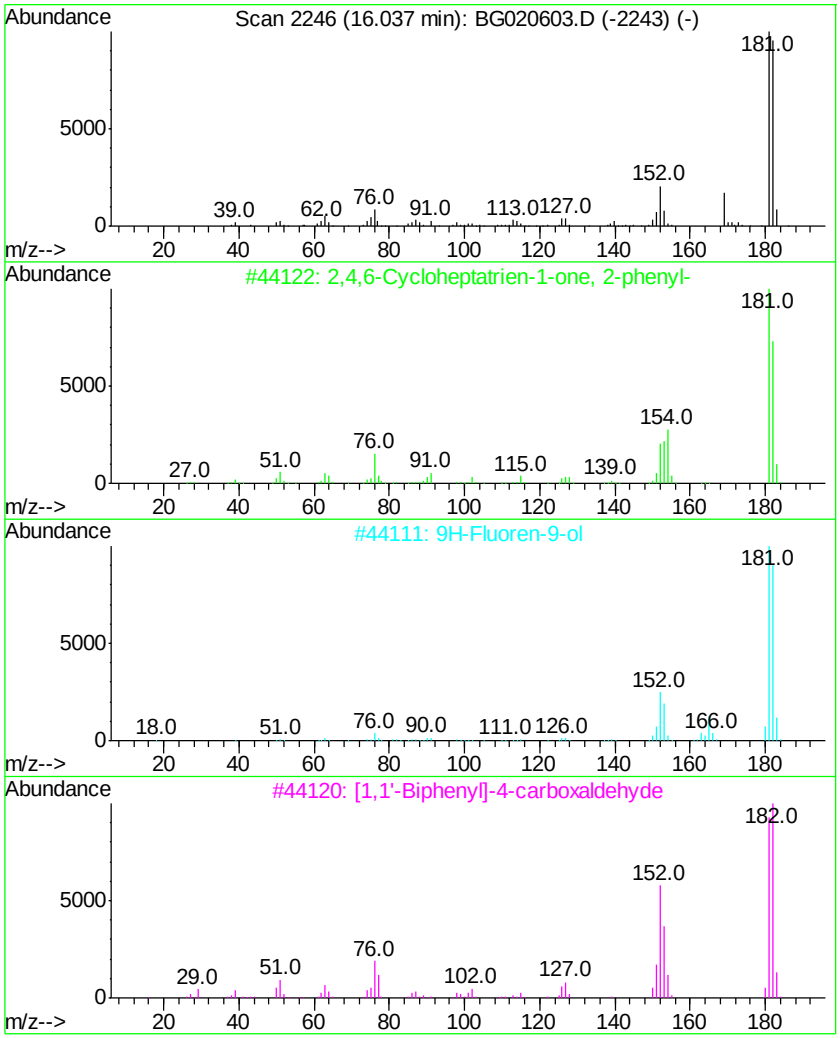
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

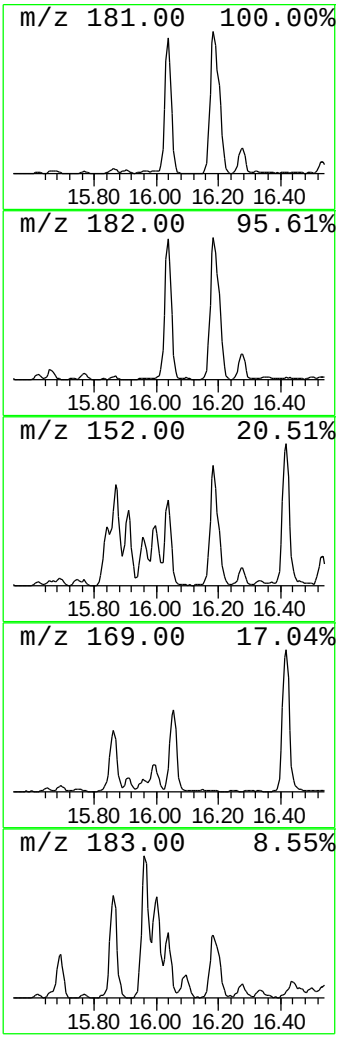
****

Peak Number 23 2,4,6-Cycloheptatrien-1-one... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	11.49 ng/ul	279469	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	50
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	50





Library Search Compound Report

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Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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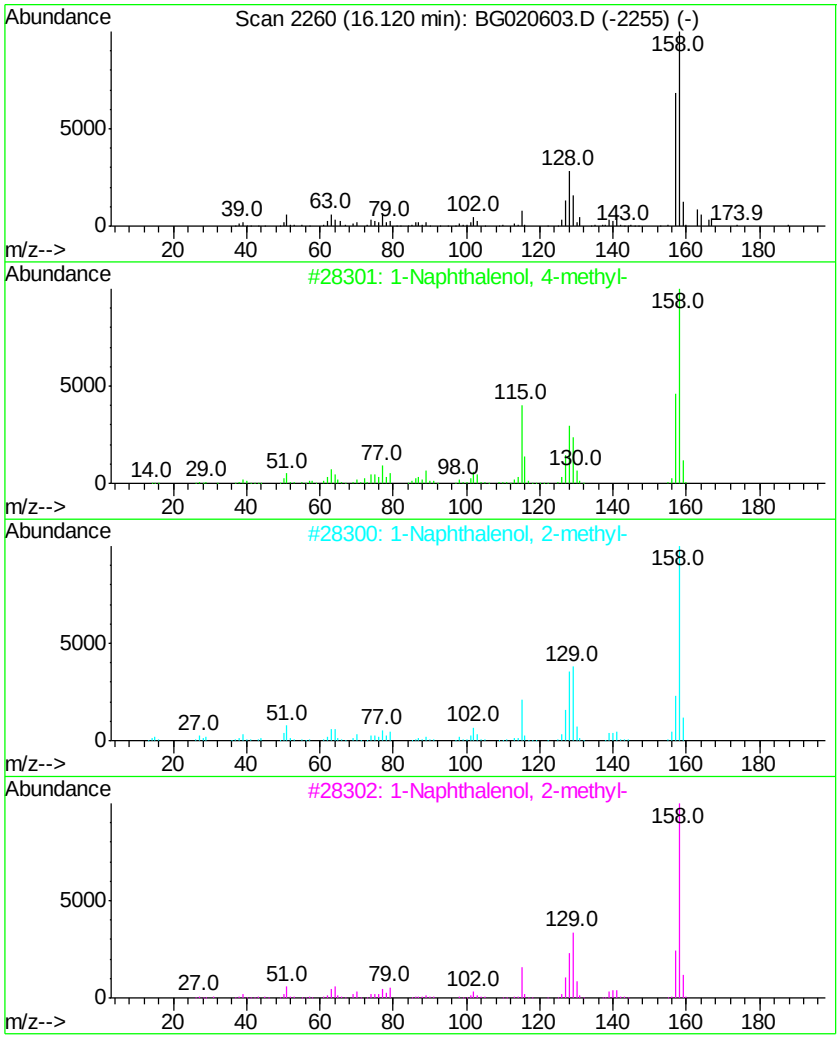
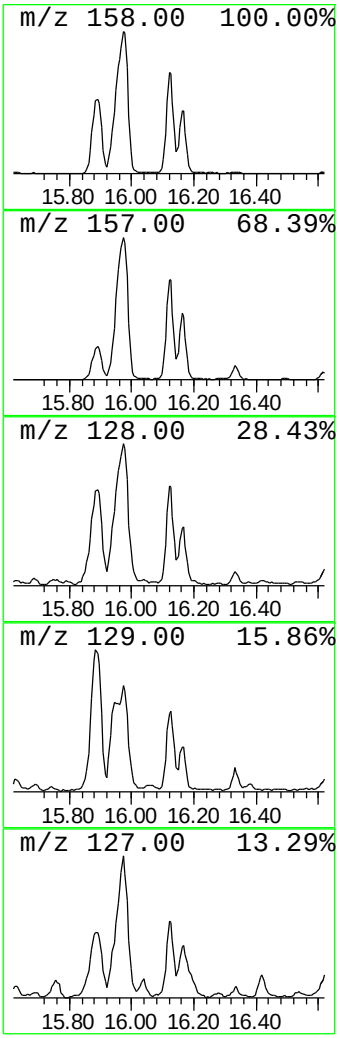
Peak Number 24 1-Naphthalenol, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	11.70 ng/ul	419689	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	64
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	58
3	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	53
4	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	50
5	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	50





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Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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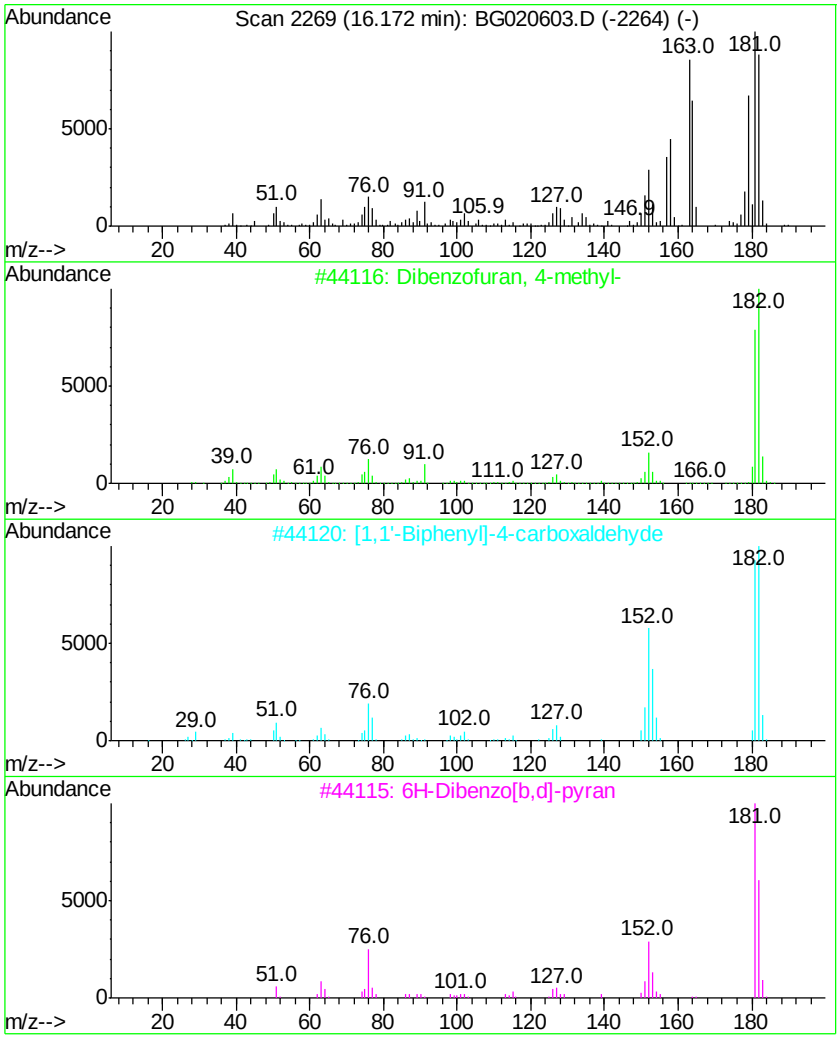
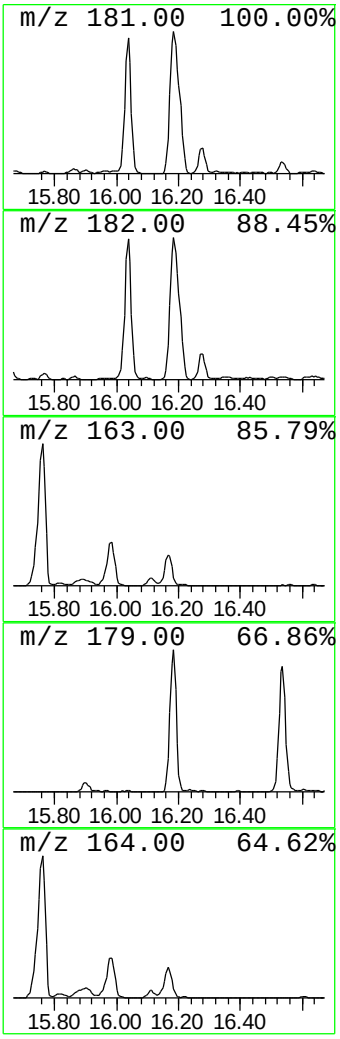
Peak Number 25 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	29.05 ng/ul	1041860	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	55
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	41
4	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	38
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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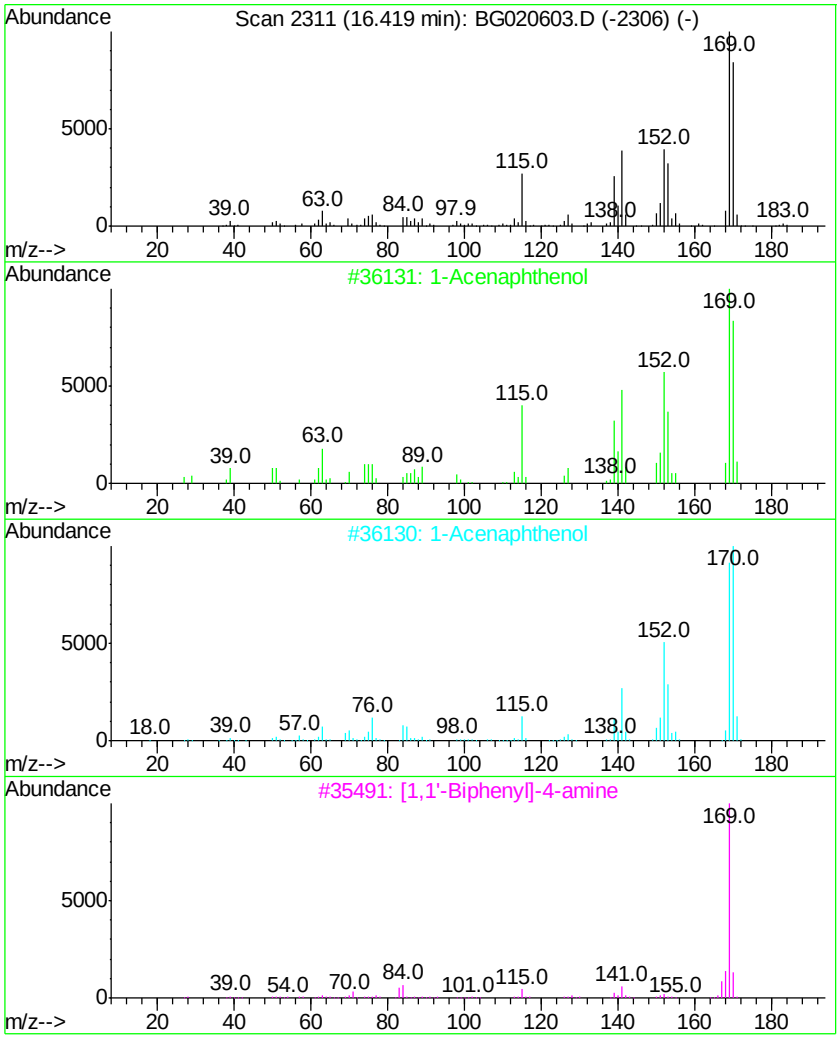
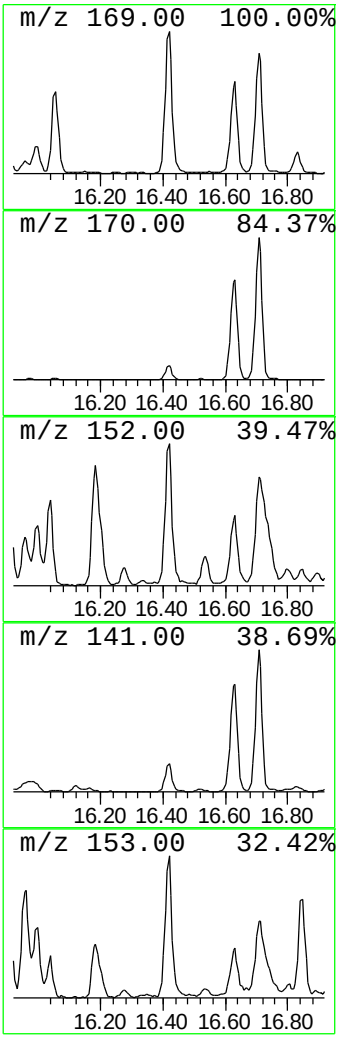
Peak Number 26 1-Acenaphthenol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	15.56 ng/ul	558178	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	94
2	1-Acenaphthenol	170	C12H10O	006306-07-6	81
3	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	43
4	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	42
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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 Anthracene, 9,10-dihydro- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	6.95 ng/ul	249255	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
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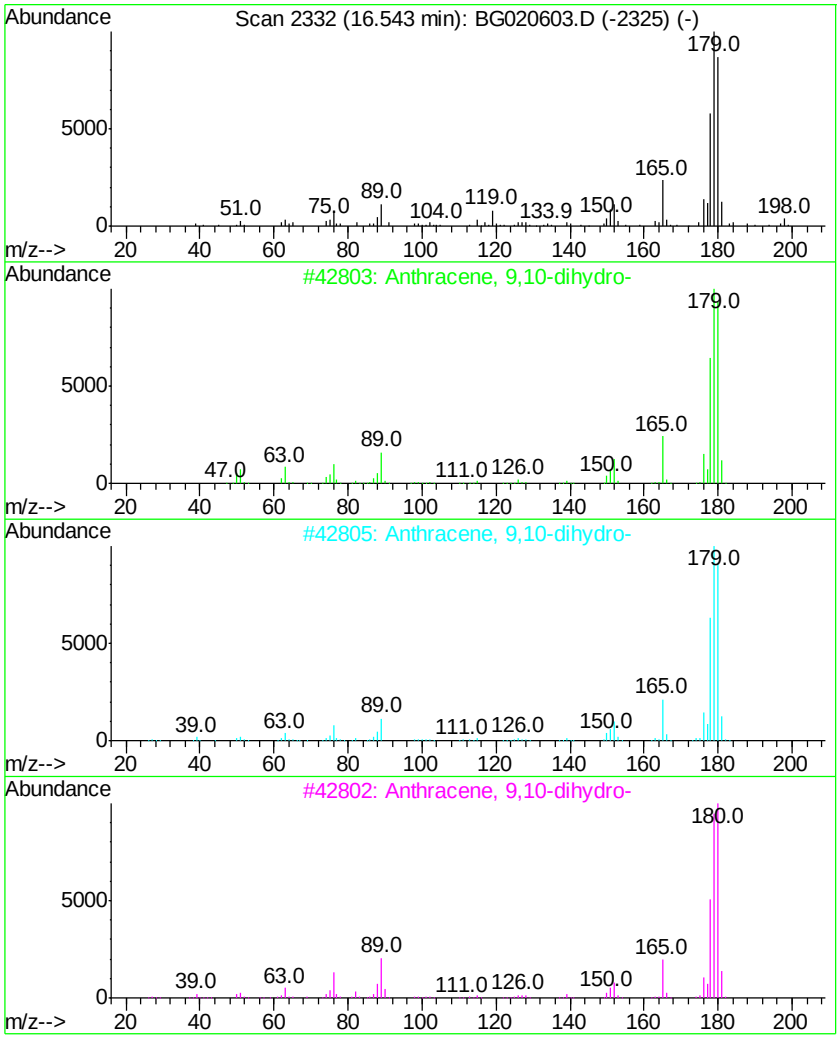

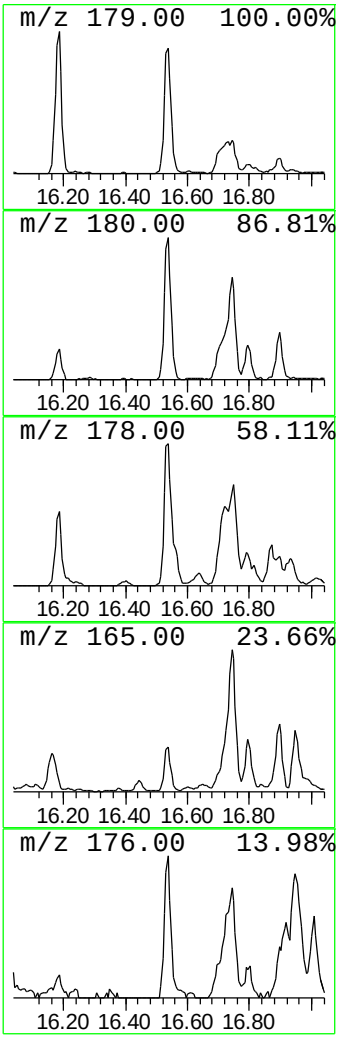

Library Search Compound Report

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Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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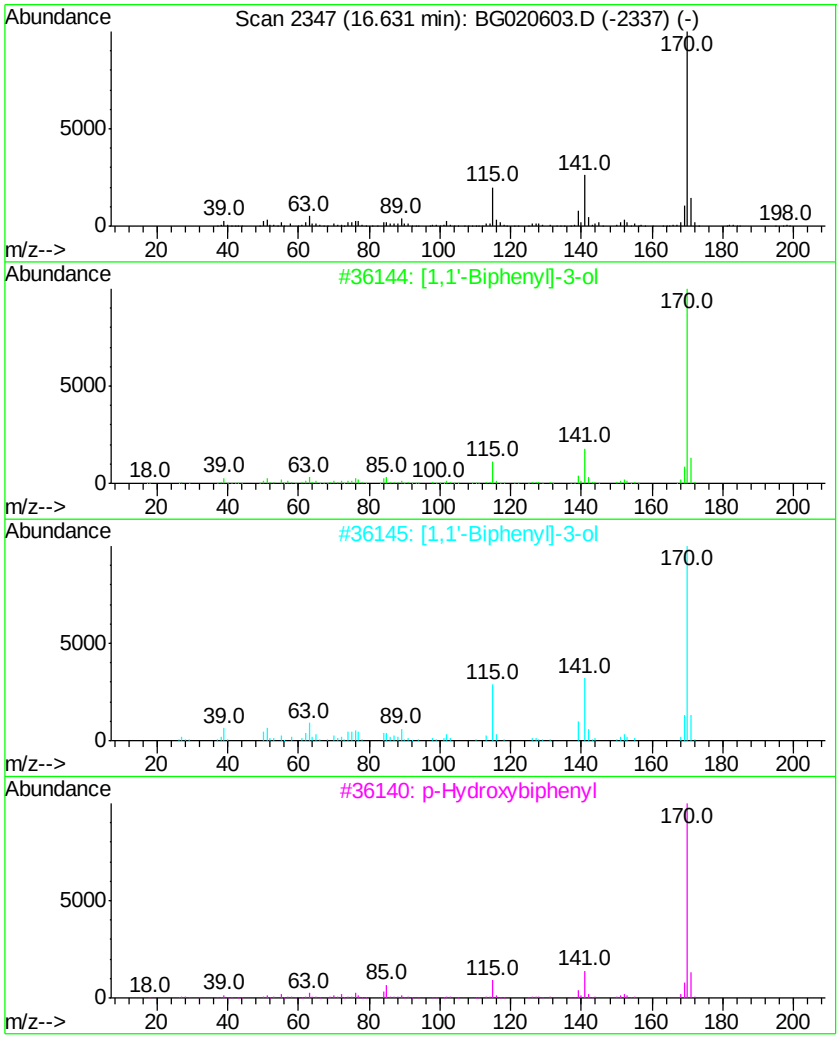
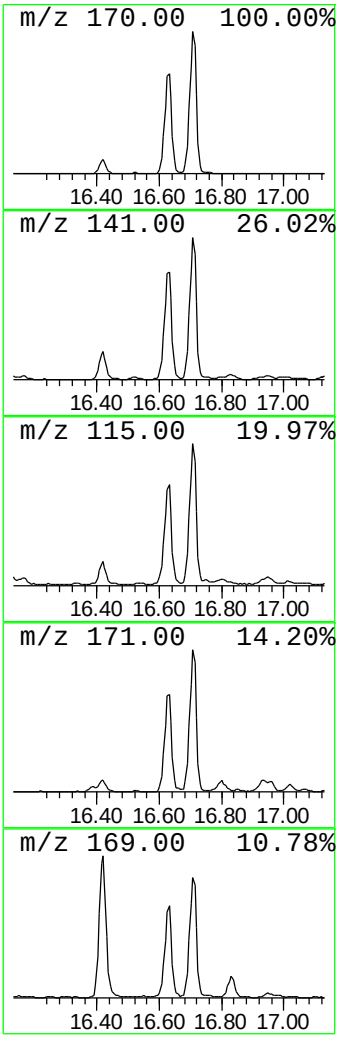
Peak Number 28 [1,1'-Biphenyl]-3-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	44.26 ng/ul	1587400	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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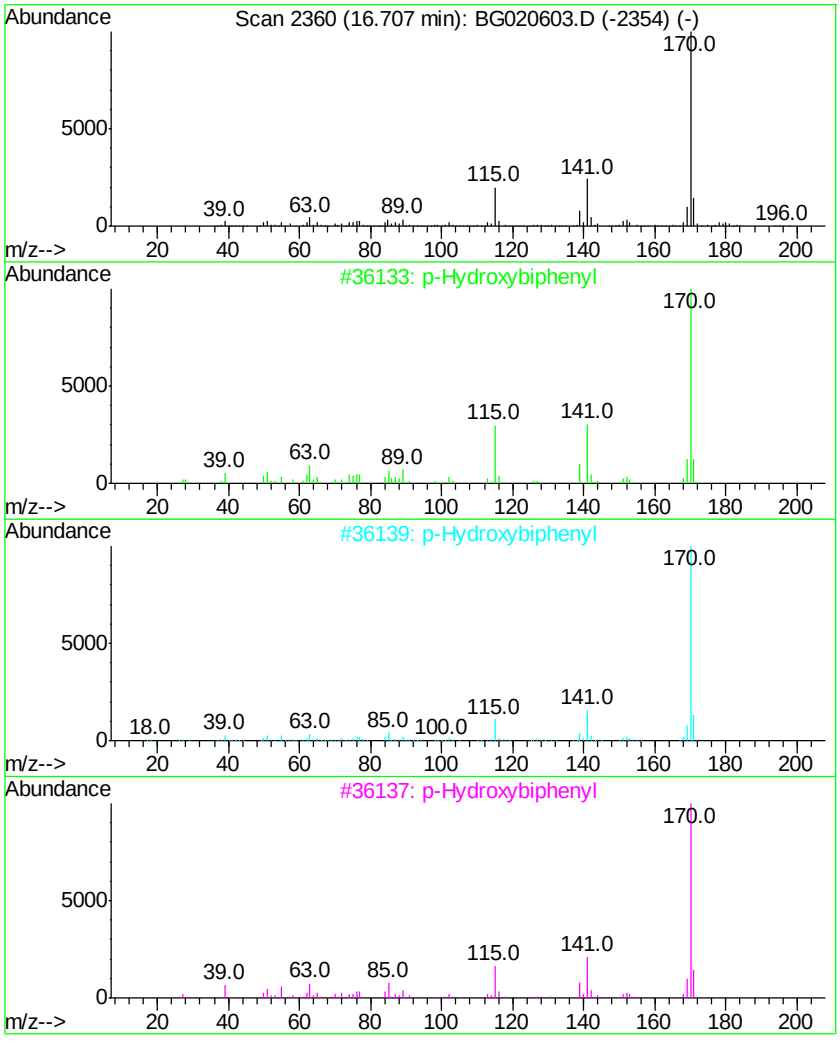
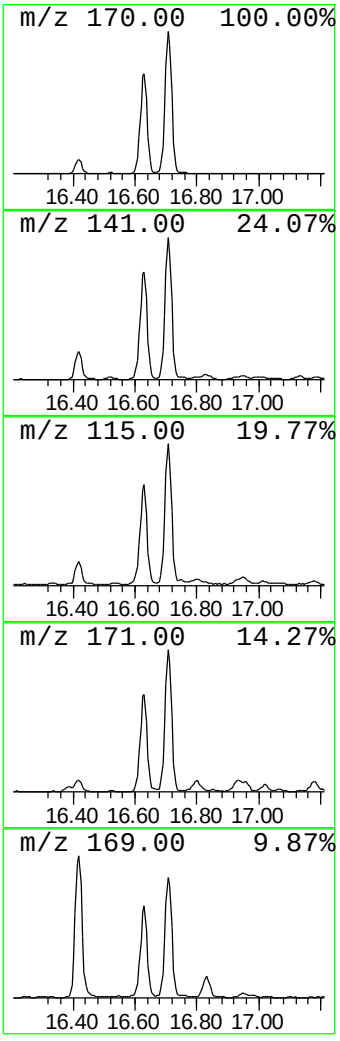
Peak Number 29 p-Hydroxybiphenyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	58.20 ng/ul	2087750	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	94
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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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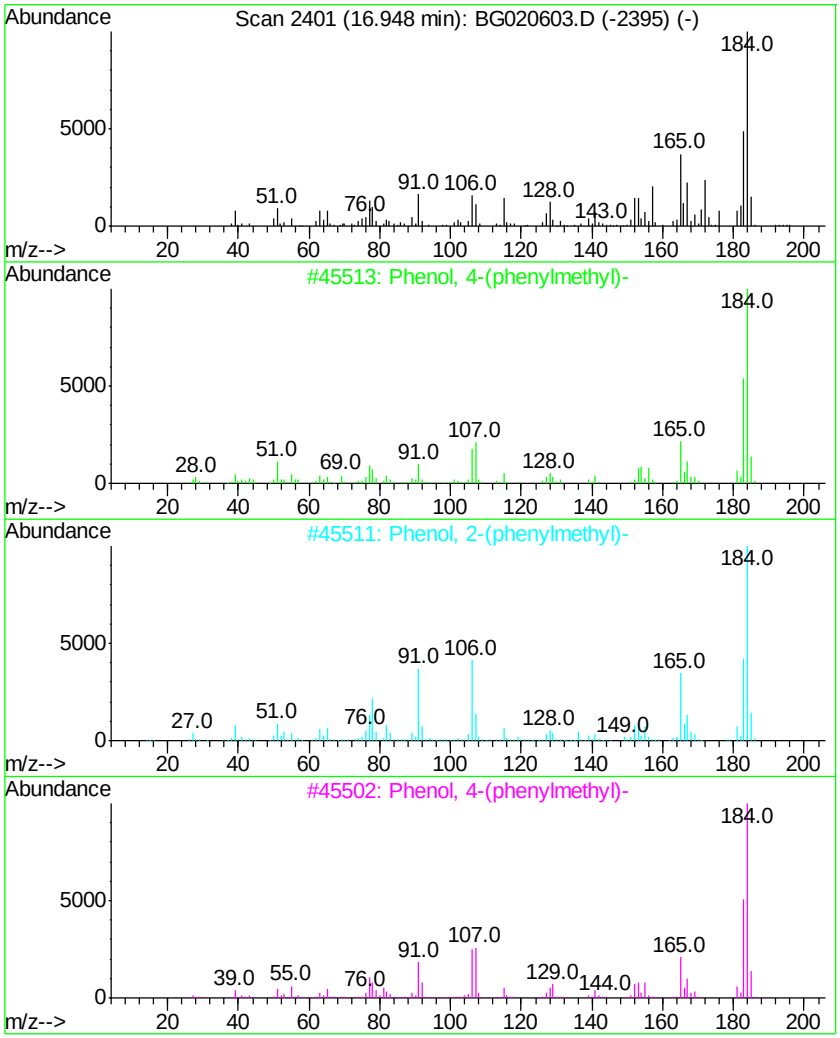
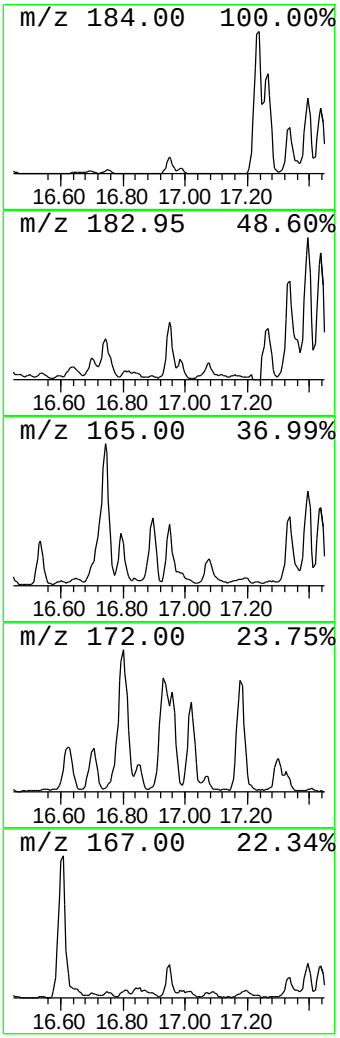
Peak Number 30 Phenol, 4-(phenylmethyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	8.19 ng/ul	293628	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	89
2	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	89
3	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	89
4	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	86
5	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020603.D
Acq On : 30 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N51

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
Benzofuran	7.78	20.0	ng/ul	628418	1	8.06	628418	20.0
Indane	8.43	23.6	ng/ul	740399	1	8.06	628418	20.0
Indene	8.62	155.2	ng/ul	4875050	1	8.06	628418	20.0
Benzonitrile, 3-m...	9.31	9.8	ng/ul	308475	1	8.06	628418	20.0
Phenol, 2,6-dimet...	9.49	10.8	ng/ul	338898	1	8.06	628418	20.0
2-Benzothiophene #	11.11	2.9	ng/ul	3018150	2	10.94	21164500	20.0
Naphthalene, 1-me...	12.77	4.7	ng/ul	4974310	2	10.94	21164500	20.0
1H-Inden-5-ol, 2,...	12.92	26.1	ng/ul	635972	3	14.70	486364	20.0
Phenol, 2,3,5,6-t...	13.12	11.8	ng/ul	285869	3	14.70	486364	20.0
1-Naphthalenamine	13.18	29.8	ng/ul	723395	3	14.70	486364	20.0
1H-Indole, 4-methyl-	13.64	11.7	ng/ul	284349	3	14.70	486364	20.0
Naphthalene, 1-et...	13.73	23.3	ng/ul	567006	3	14.70	486364	20.0
Naphthalene, 1,7-...	13.86	31.3	ng/ul	761730	3	14.70	486364	20.0
Phenol, 2-methyl-...	13.97	10.4	ng/ul	253419	3	14.70	486364	20.0
Naphthalene, 2,3-...	14.02	37.3	ng/ul	906520	3	14.70	486364	20.0
6-Methyl-4-indanol	14.19	11.6	ng/ul	282387	3	14.70	486364	20.0
2-Naphthalenecarb...	14.85	95.0	ng/ul	2309240	3	14.70	486364	20.0
o-Hydroxybiphenyl	14.99	131.3	ng/ul	3193880	3	14.70	486364	20.0
unknown-01	15.98	60.9	ng/ul	1479730	3	14.70	486364	20.0
2,4,6-Cycloheptat...	16.04	11.5	ng/ul	279469	3	14.70	486364	20.0
1-Naphthalenol, 4...	16.12	11.7	ng/ul	419689	4	17.45	717379	20.0
Dibenzofuran, 4-m...	16.17	29.1	ng/ul	1041860	4	17.45	717379	20.0
1-Acenaphthenol	16.42	15.6	ng/ul	558178	4	17.45	717379	20.0
Anthracene, 9,10-...	16.54	7.0	ng/ul	249255	4	17.45	717379	20.0
[1,1'-Biphenyl]-3-ol	16.63	44.3	ng/ul	1587400	4	17.45	717379	20.0
p-Hydroxybiphenyl	16.71	58.2	ng/ul	2087750	4	17.45	717379	20.0
Phenol, 4-(phenyl...	16.95	8.2	ng/ul	293628	4	17.45	717379	20.0