LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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	3.078	36	41	50	rBV	33922	61105	1.83%	0.373%
2	3.154	50	54	62	rVB	24048	35480	1.06%	0.217%
3	5.669	478	482	492	rVB2	3201	6252	0.19%	0.038%
4	7.220	738	746	752	rBV2	16829	29746	0.89%	0.182%
5	7.379	766	773	780	rBV	59840	98925	2.96%	0.604%
6	7.590	802	809	818	rBV	61627	103935	3.11%	0.635%
7	7.696	822	827	834	rBV2	7478	11623	0.35%	0.071%
8	8.060	883	889	896	rBV	64275	109567	3.27%	0.669%
9	8.430	946	952	961	rVB3	8086	14124	0.42%	0.086%
10	8.601	975	981	988	rVB	17218	28829	0.86%	0.176%
11	8.765	1003	1009	1017	rBV	52367	91565	2.74%	0.559%
12	9.165	1071	1077	1081	rBV2	4803	6974	0.21%	0.043%
13	9.229	1081	1088	1100	rVB	82605	145965	4.36%	0.891%
14	9.752	1171	1177	1181	rBB2	2952	4465	0.13%	0.027%
15	9.952	1204	1211	1222	rBB	70697	127238	3.80%	0.777%
16	10.117	1234	1239	1244	rVB	6530	9571	0.29%	0.058%
17	10.269	1259	1265	1274	rBV3	15088	29813	0.89%	0.182%
18	10.381	1277	1284	1292	rVB2	6775	15874	0.47%	0.097%
19	10.498	1297	1304	1312	rVV2	107405	191140	5.71%	1.167%
20	10.575	1312	1317	1323	rVB3	3930	6279	0.19%	0.038%
21	10.880	1357	1369	1372	rBV	94550	191217	5.71%	1.167%
22	10.939	1372	1379	1391	rVV	1769324	3346512	100.00%	20.430%
23	11.051	1391	1398	1405	rVB	88207	157939	4.72%	0.964%
24	11.286	1433	1438	1444	rVV2	3562	6834	0.20%	0.042%
25	11.527	1475	1479	1485	rVB2	5010	8470	0.25%	0.052%
26	11.709	1505	1510	1516	rBB	2908	4820	0.14%	0.029%
27	11.785	1517	1523	1529	rBV2	6150	10433	0.31%	0.064%
28	11.973	1550	1555	1559	rBV2	5041	7978	0.24%	0.049%
29	12.055	1565	1569	1577	rVB3	5806	9999	0.30%	0.061%
30	12.420	1626	1631	1636	rBV3	7117	12824	0.38%	0.078%
31	12.531	1640	1650	1663	rVV	582461	966648	28.89%	5.901%
32	12.643	1663	1669	1675	rVB2	8132	14720	0.44%	0.090%
33	12.743	1675	1686	1695	rBV	218886	368760	11.02%	2.251%
34	13.530	1814	1820	1830	rBV	99556	153774	4.60%	0.939%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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	13.724	1846	1853	1862	rVB2	18752	39889	1.19%	0.244%
36	13.871	1869	1878	1886	rVB3	25207	64979	1.94%	0.397%
37	14.012	1894	1902	1907	rBV	45400	78331	2.34%	0.478%
38	14.094	1907	1916	1922	rVB	249762	398963	11.92%	2.436%
39	14.253	1937	1943	1946	rBV2	18140	26740	0.80%	0.163%
40	14.282	1946	1948	1954	rVB2	6863	8224	0.25%	0.050%
41	14.388	1958	1966	1980	rVB	254007	450466	13.46%	2.750%
42	14.664	2007	2013	2014	rBV2	21483	28384	0.85%	0.173%
43	14.699	2014	2019	2024	rVV2	179756	295839	8.84%	1.806%
44	14.764	2024	2030	2037	rVV	515403	816494	24.40%	4.985%
45	14.829	2037	2041	2046	rVV2	6760	10022	0.30%	0.061%
46	14.905	2046	2054	2064	rVV3	15543	30111	0.90%	0.184%
47	14.999	2064	2070	2075	rVB	11972	17163	0.51%	0.105%
48	15.093	2079	2086	2095	rVV	303532	462644	13.82%	2.824%
49	15.164	2095	2098	2102	rVB3	3965	5098	0.15%	0.031%
50	15.299	2116	2121	2128	rBV3	4326	8163	0.24%	0.050%
51	15.363	2128	2132	2140	rVB3	2904	5106	0.15%	0.031%
52	15.475	2144	2151	2154	rBV3	3087	5365	0.16%	0.033%
53	15.687	2176	2187	2192	rBV	376828	568048	16.97%	3.468%
54	15.739	2192	2196	2203	rVV	383848	581553	17.38%	3.550%
55	15.810	2203	2208	2214	rVV	109061	175136	5.23%	1.069%
56	15.863	2214	2217	2220	rVV2	19059	29537	0.88%	0.180%
57	15.904	2220	2224	2229	rVV2	25492	46424	1.39%	0.283%
58	15.951	2229	2232	2235	rVV2	6918	9377	0.28%	0.057%
59	15.992	2235	2239	2242	rVV	11205	16585	0.50%	0.101%
60	16.033	2242	2246	2252	rVB	26171	35046	1.05%	0.214%
61	16.180	2259	2271	2280	rBV	27493	56776	1.70%	0.347%
62	16.274	2282	2287	2292	rVB3	4340	6444	0.19%	0.039%
63	16.533	2324	2331	2336	rBV	19549	27162	0.81%	0.166%
64	16.697	2355	2359	2361	rBV	4635	6313	0.19%	0.039%
65	16.744	2361	2367	2371	rVV	15596	27746	0.83%	0.169%
66	16.791	2371	2375	2381	rVB3	6396	9853	0.29%	0.060%
67	16.891	2386	2392	2397	rVV2	6624	9750	0.29%	0.060%
68	17.091	2420	2426	2434	rVB4	6169	12281	0.37%	0.075%
69	17.261	2446	2455	2462	rBV	57240	86052	2.57%	0.525%
70	17.443	2479	2486	2489	rBV	250492	399857	11.95%	2.441%
71	17.484	2489	2493	2498	rVB	801420	1168047	34.90%	7.131%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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	17.543	2498	2503	2507	rBV	403596	587153	17.55%	3.584%
73	17.843	2547	2554	2565	rBV	26600	40723	1.22%	0.249%
74	17.954	2569	2573	2577	rBV3	3355	4716	0.14%	0.029%
75	18.090	2593	2596	2600	rBV3	10491	11908	0.36%	0.073%
76	18.319	2624	2635	2638	rBV	18176	28117	0.84%	0.172%
77	18.366	2638	2643	2651	rVB2	26724	45440	1.36%	0.277%
78	18.442	2651	2656	2660	rBV2	4202	6171	0.18%	0.038%
79	18.513	2660	2668	2679	rVV2	60053	103227	3.08%	0.630%
80	18.613	2679	2685	2689	rVV2	3049	4823	0.14%	0.029%
81	18.660	2689	2693	2699	rVB	4114	5991	0.18%	0.037%
82	18.754	2704	2709	2714	rBV2	3612	5331	0.16%	0.033%
83	18.806	2714	2718	2722	rBV	7505	10442	0.31%	0.064%
84	18.853	2722	2726	2732	rVB3	3054	4446	0.13%	0.027%
85	19.488	2825	2834	2841	rVB	176141	243858	7.29%	1.489%
86	19.735	2874	2876	2883	rVB3	4170	5522	0.17%	0.034%
87	19.823	2883	2891	2903	rBV2	560565	957064	28.60%	5.843%
88	20.228	2955	2960	2966	rVB	8795	11214	0.34%	0.068%
89	20.340	2976	2979	2984	rVB3	4067	5210	0.16%	0.032%
90	20.446	2991	2997	3002	rBV	4997	7366	0.22%	0.045%
91	20.722	3039	3044	3048	rVB4	6478	9532	0.28%	0.058%
92	21.709	3206	3212	3224	rBV	303198	504929	15.09%	3.083%
93	23.178	3456	3462	3469	rVB3	6075	11045	0.33%	0.067%
94	23.824	3566	3572	3578	rBV5	3370	7026	0.21%	0.043%
95	23.989	3592	3600	3606	rBV3	7261	14704	0.44%	0.090%
96	24.741	3717	3728	3740	rBV	292624	784849	23.45%	4.791%
97	24.964	3752	3766	3777	rBV2	169483	486167	14.53%	2.968%
98	26.057	3945	3952	3961	rVB5	7671	21976	0.66%	0.134%
99	27.426	4173	4185	4195	rBV4	8892	31229	0.93%	0.191%
100	29.047	4454	4461	4462	rBV4	4533	6864	0.21%	0.042%

Sum of corrected areas: 16380409

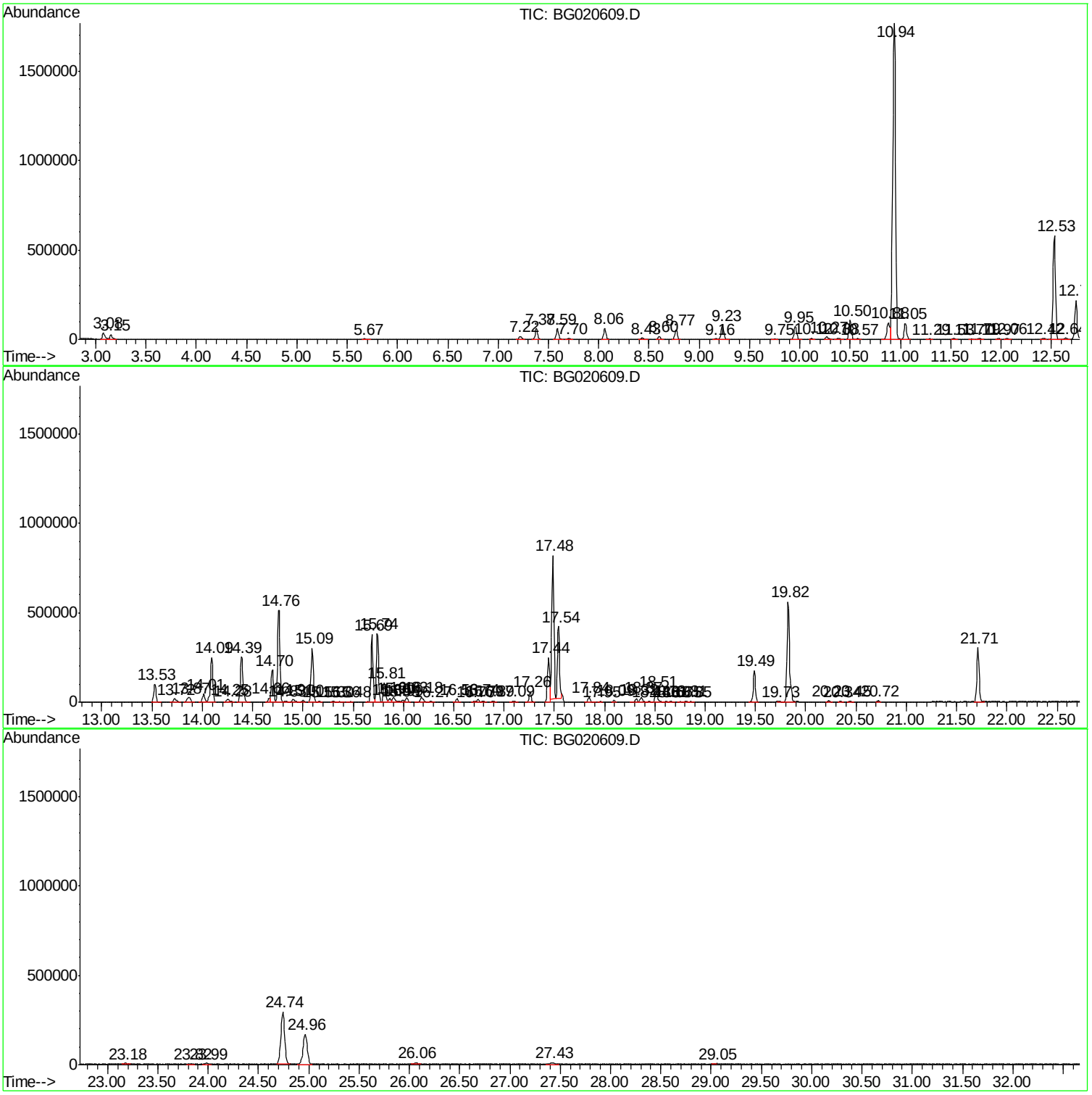
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

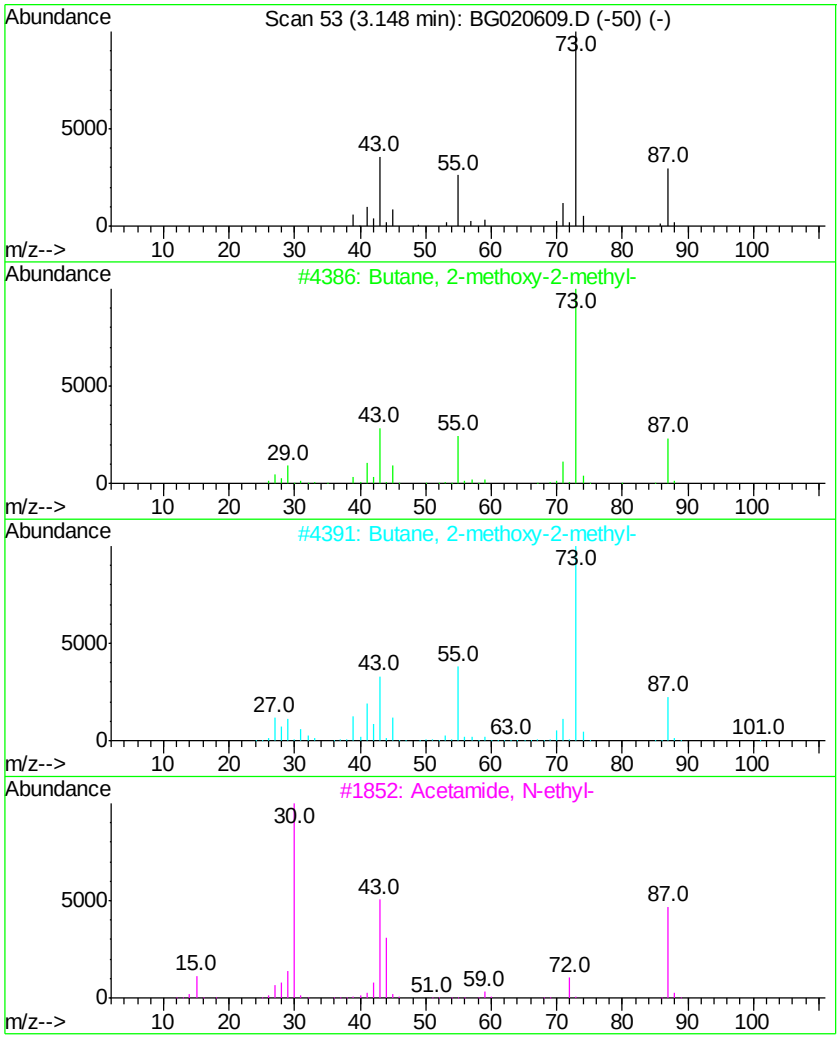
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

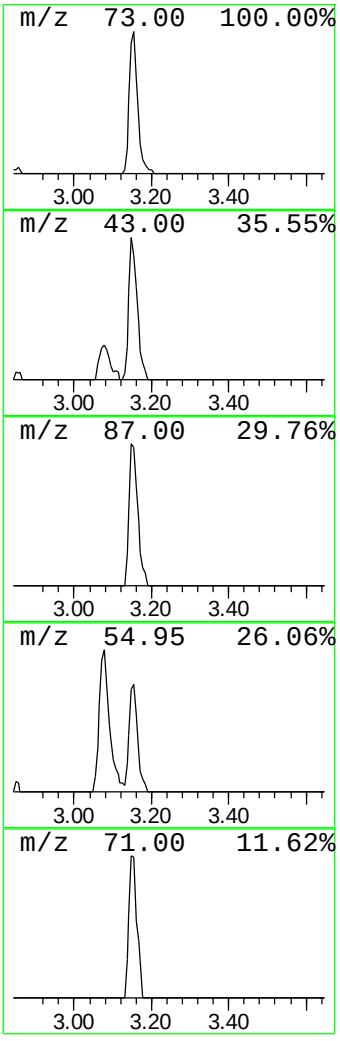
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	6.48 ng/ul	35480	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

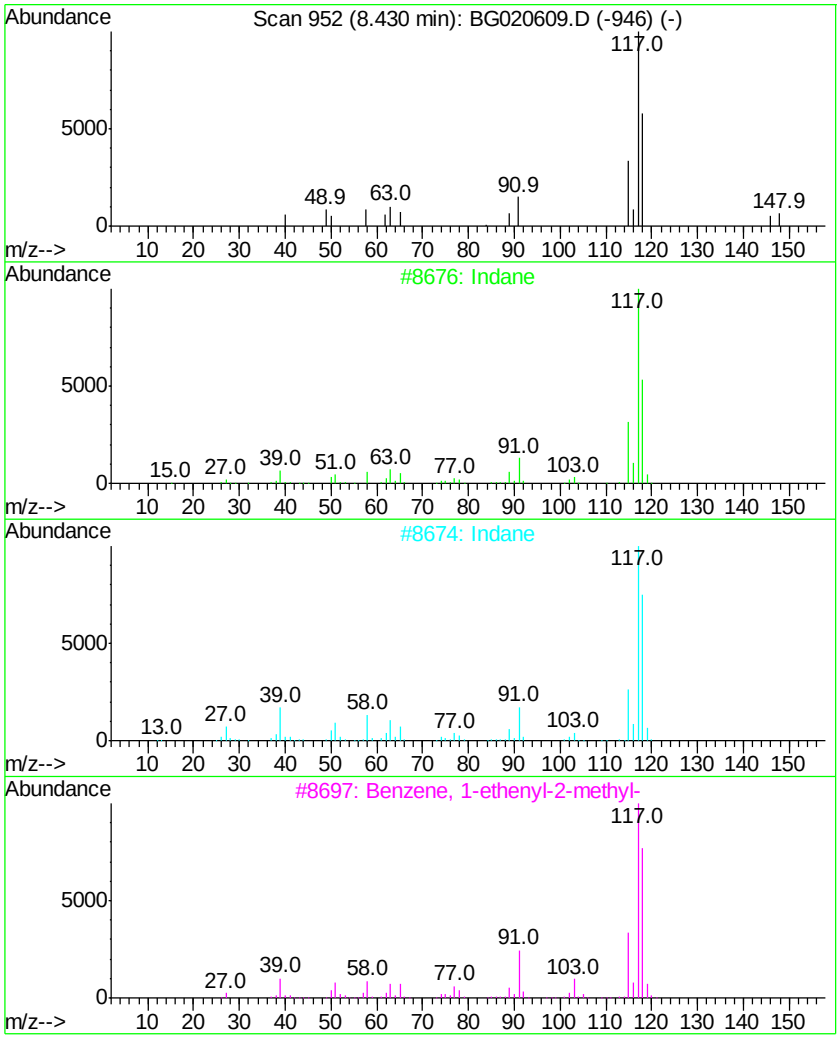
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

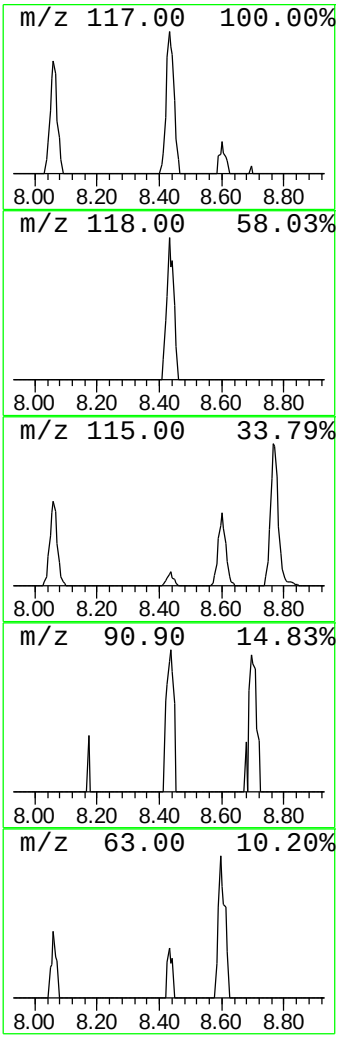
****

Peak Number 4 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	2.58 ng/ul	14124	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	72
2	Indane	118	C9H10	000496-11-7	72
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
5	Indane	118	C9H10	000496-11-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

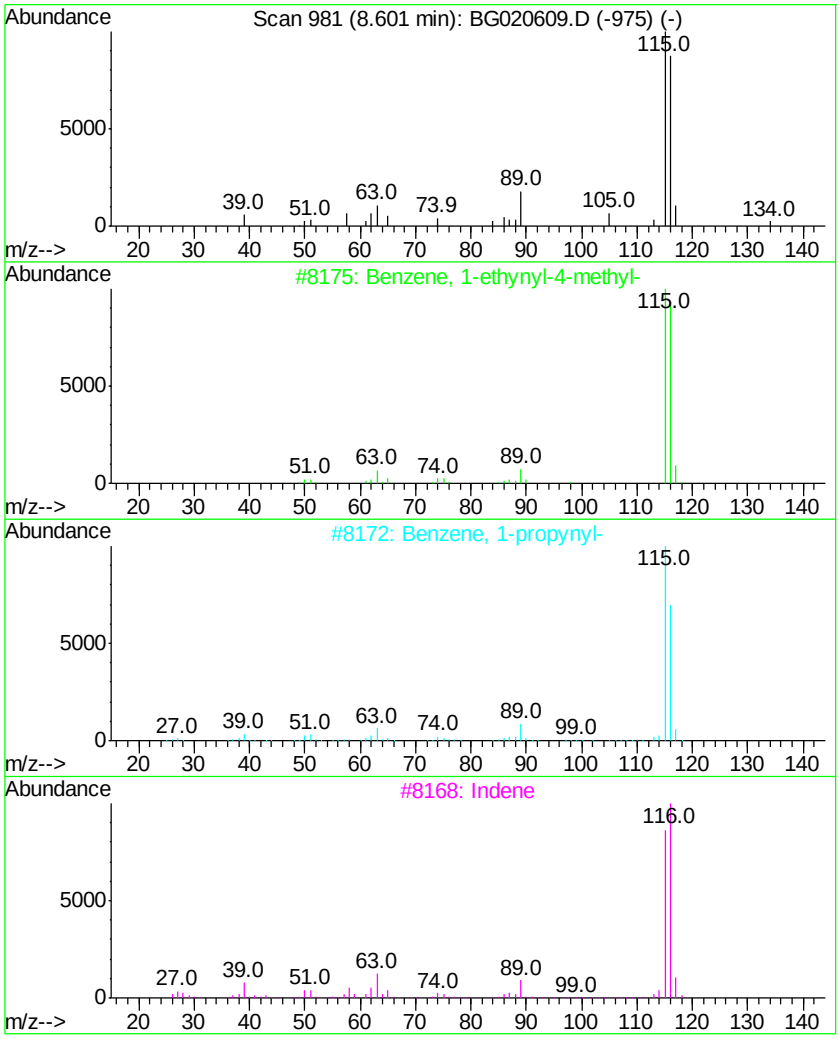
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

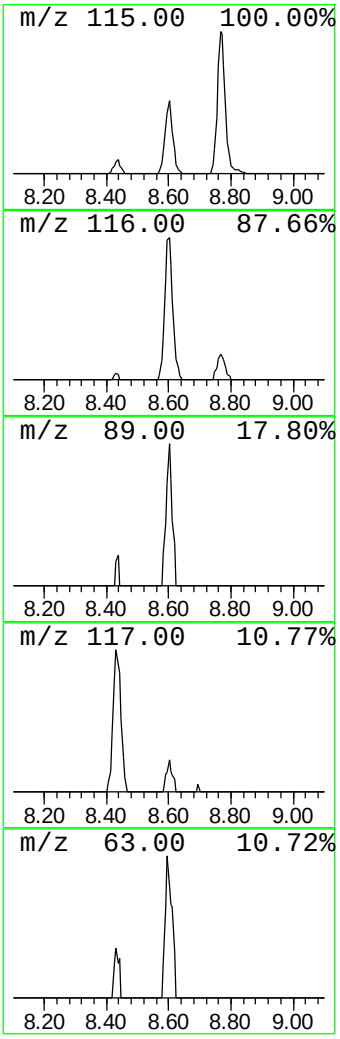
****

Peak Number 5 Benzene, 1-ethynyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	5.26 ng/ul	28829	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Indene	116	C9H8	000095-13-6	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

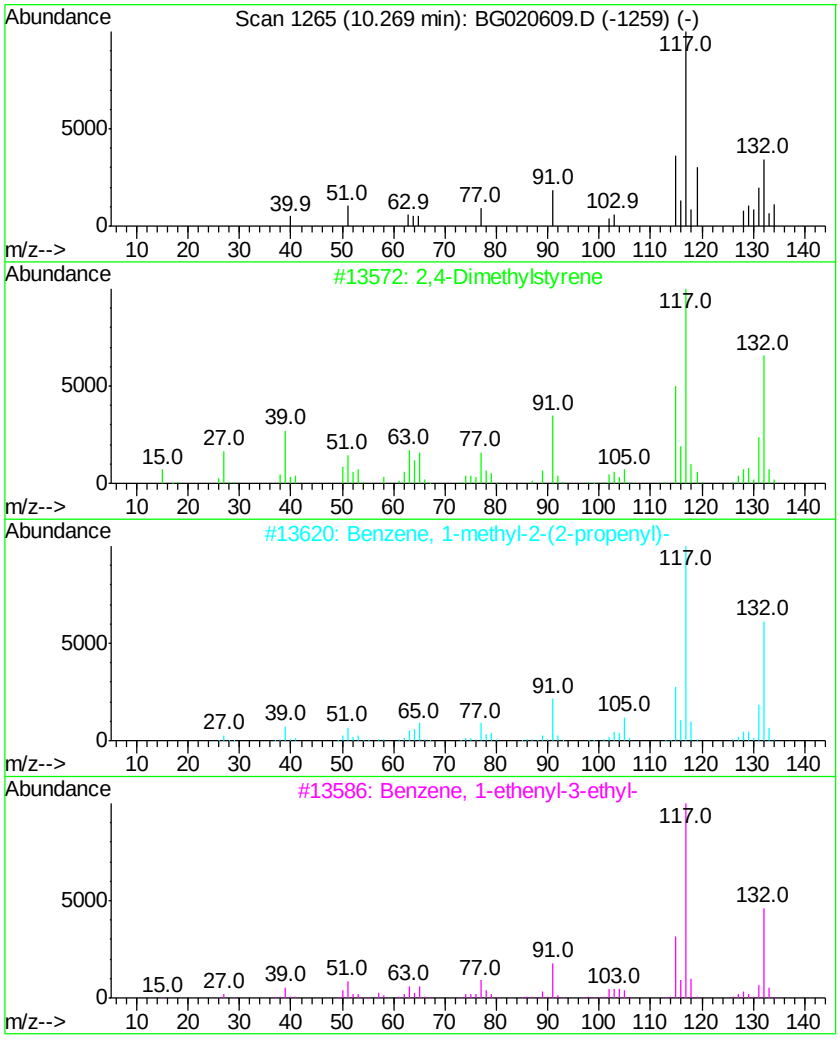
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

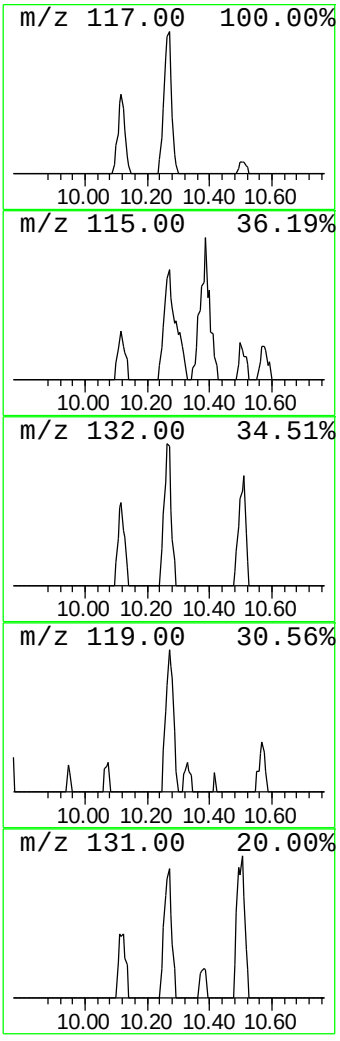
****

Peak Number 6 2,4-Dimethylstyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	3.12 ng/ul	29813	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	76
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	68
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

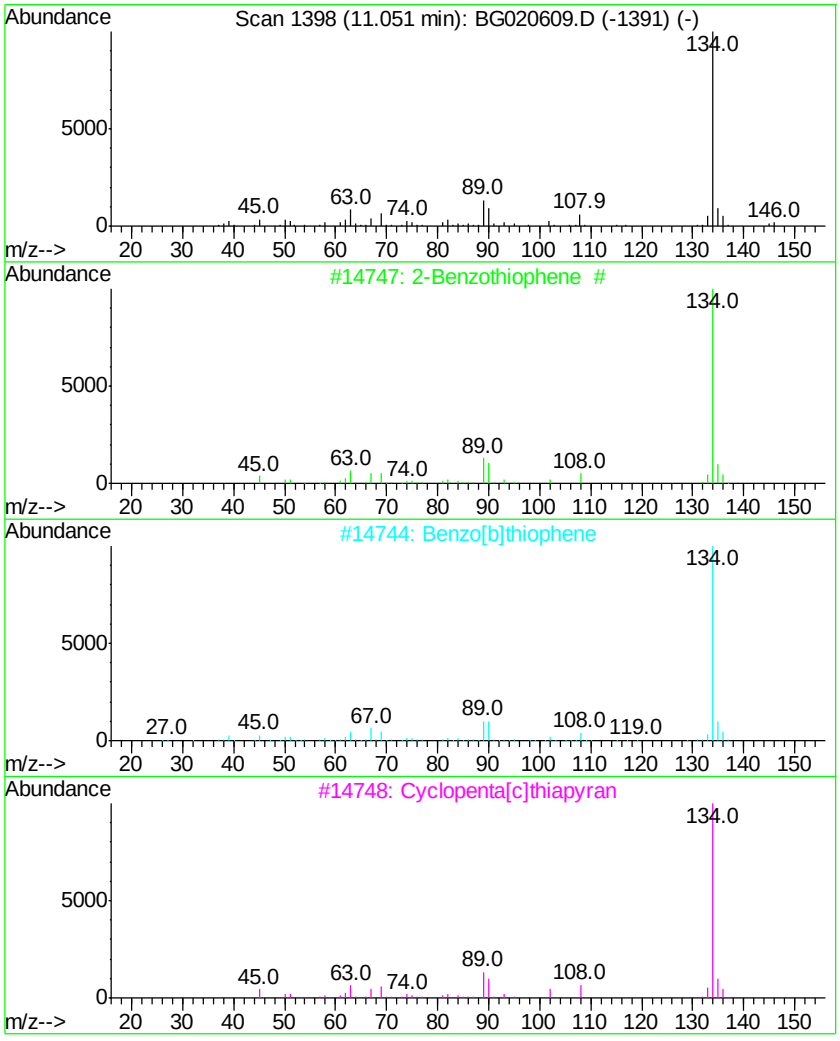
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

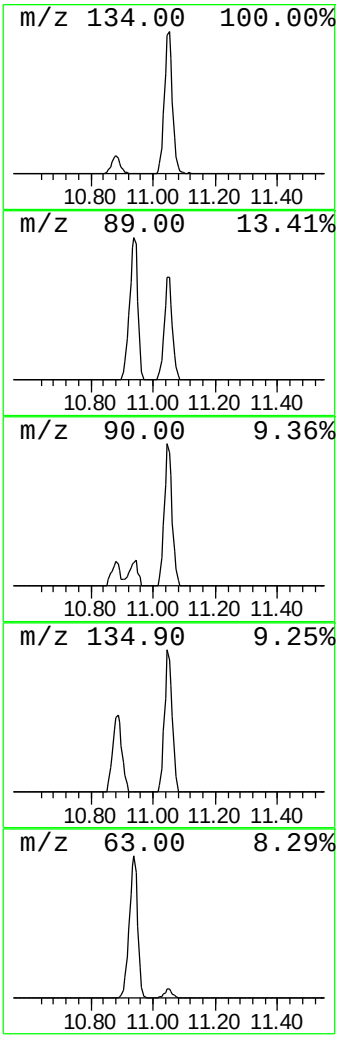
****

Peak Number 7 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	16.52 ng/ul	157939	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

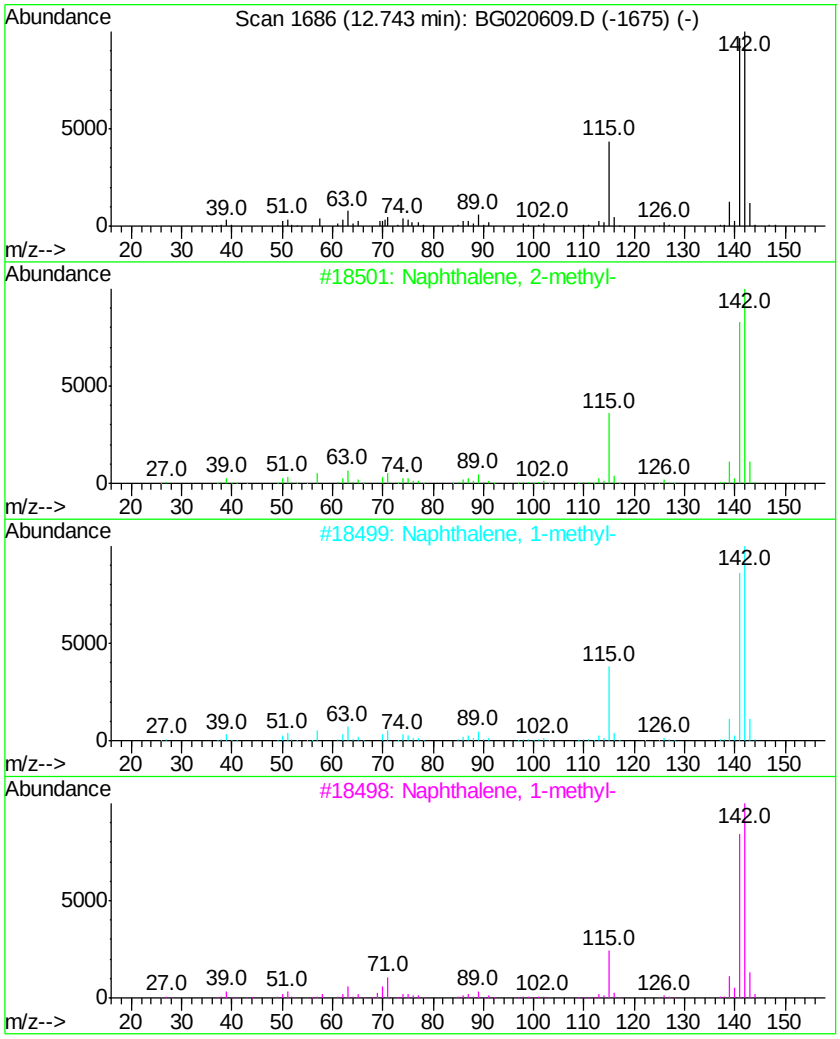
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

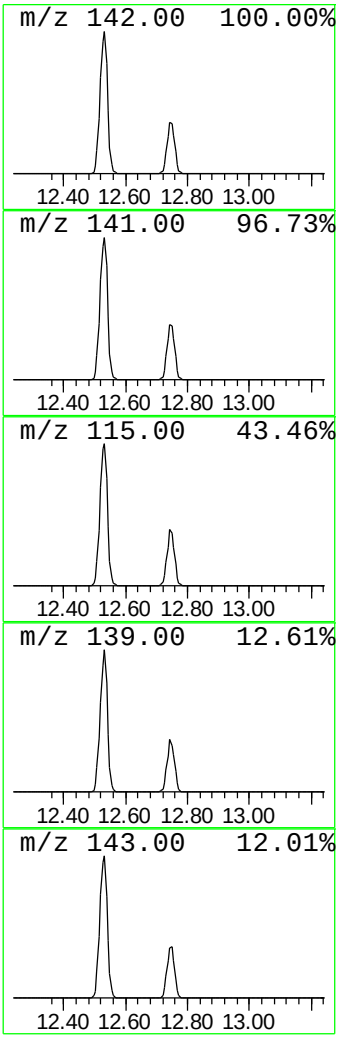
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	38.57 ng/ul	368760	Naphthalene-d8	10.88

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





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Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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

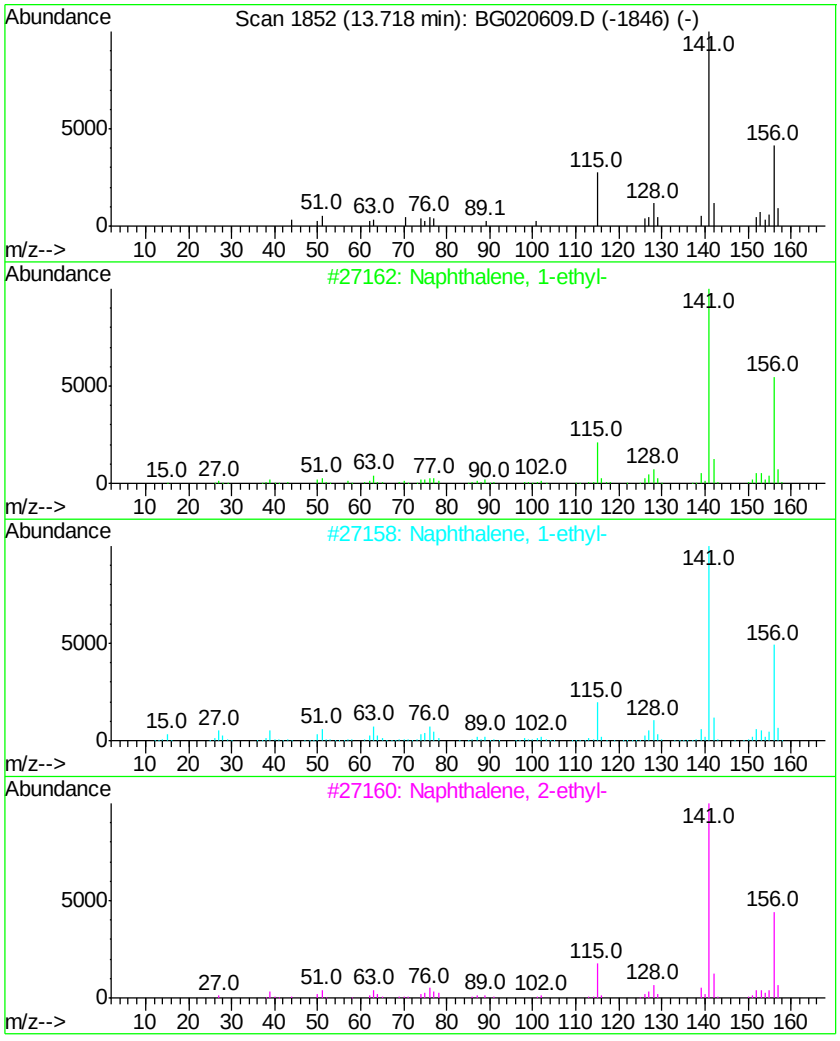
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

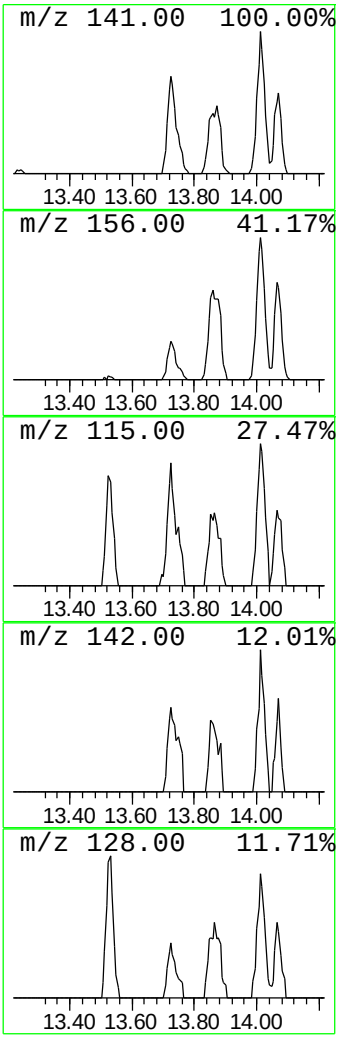
****

Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.70 ng/ul	39889	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
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	90
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	87





Library Search Compound Report

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Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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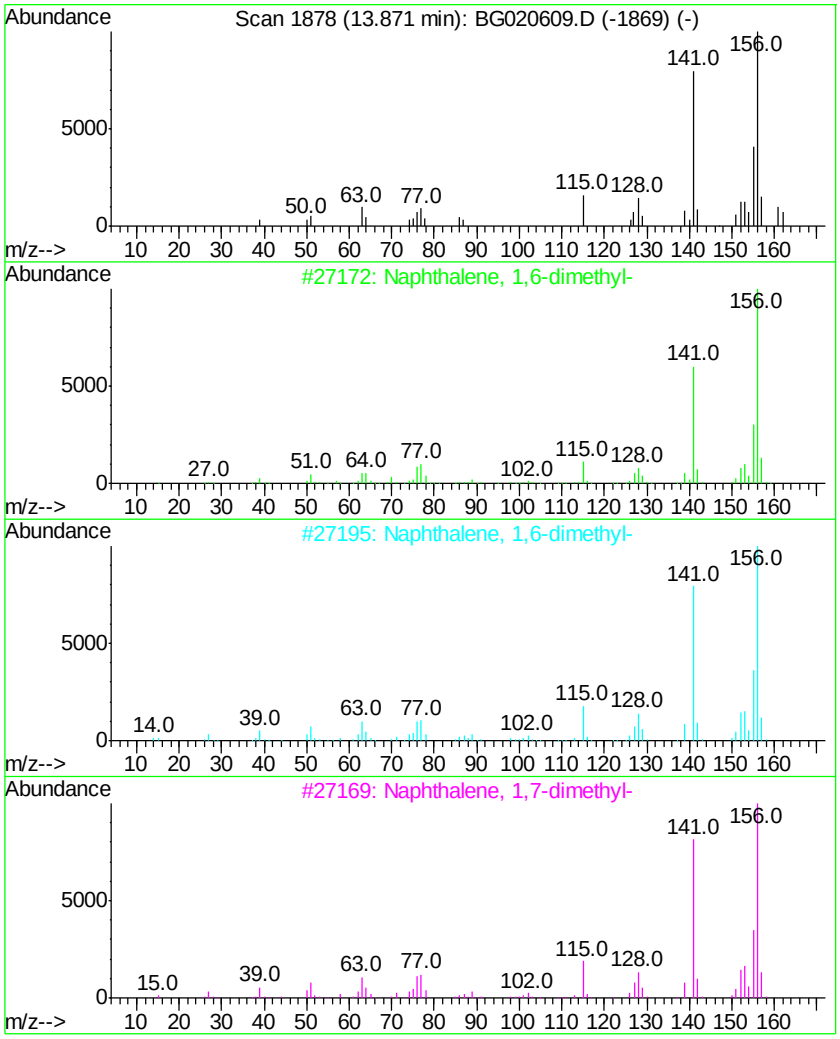
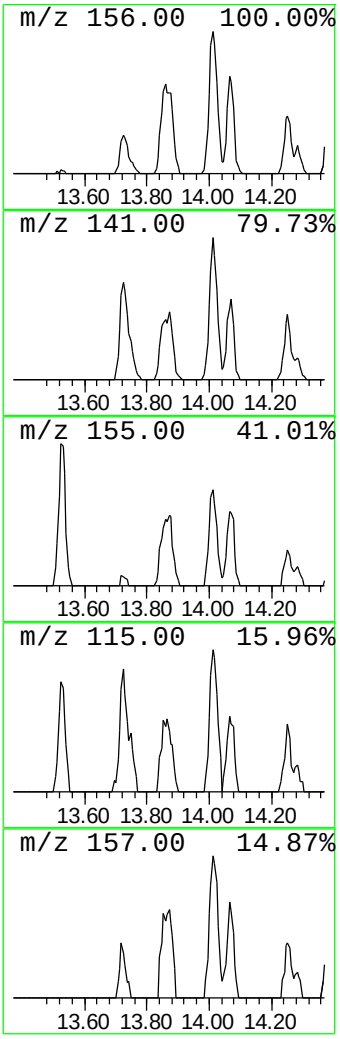
Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	4.39 ng/ul	64979	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Library Search Compound Report

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Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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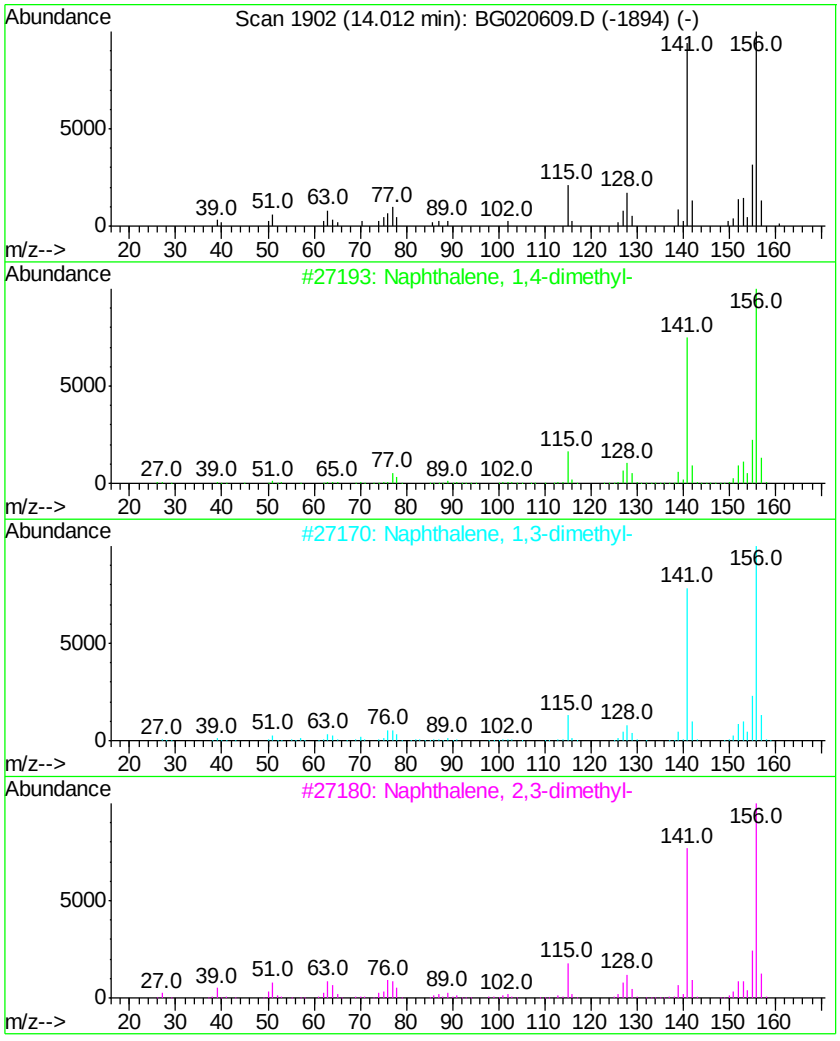
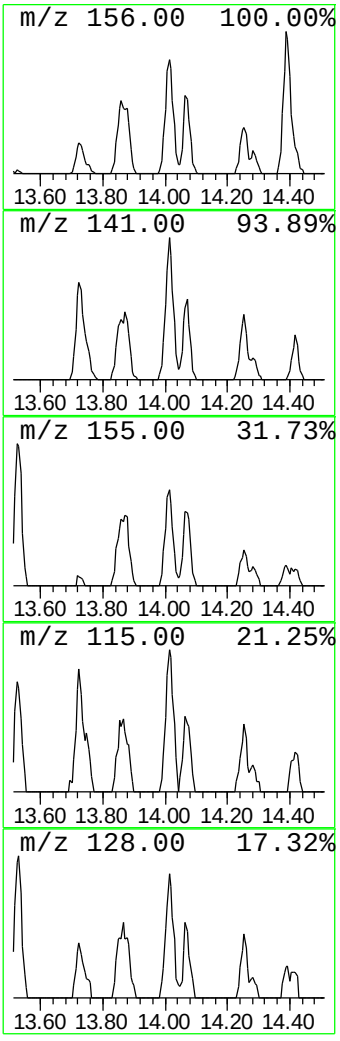
Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	5.30 ng/ul	78331	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

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Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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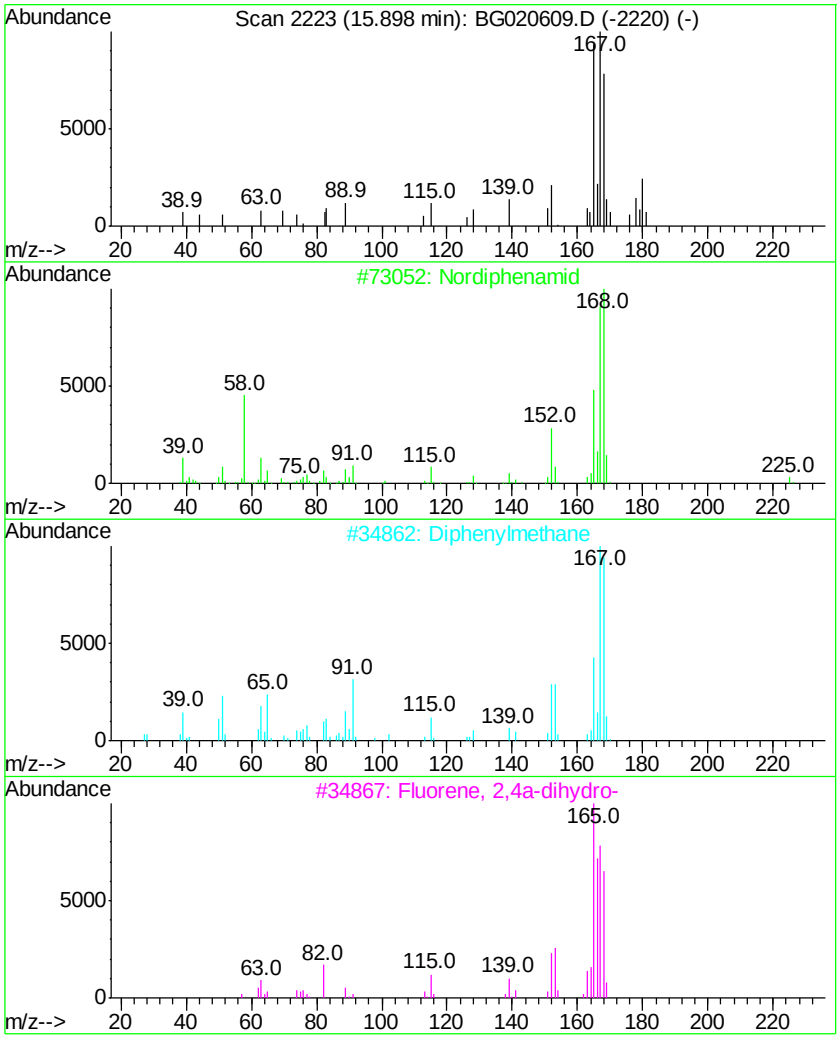
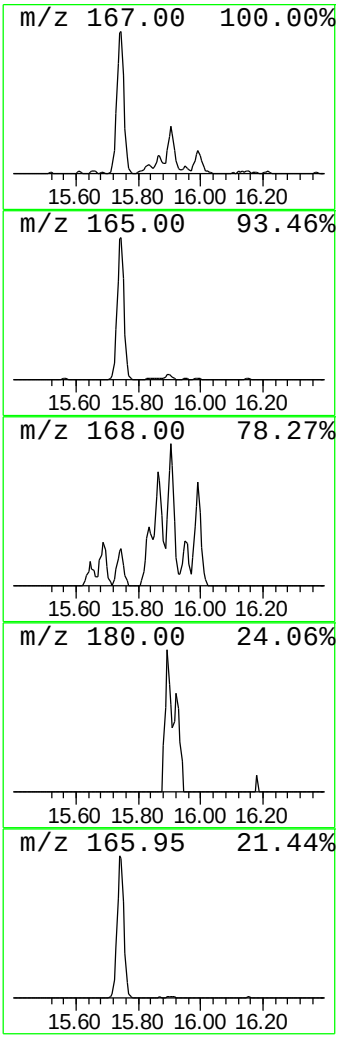
Peak Number 12 Nordiphenamid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.14 ng/ul	46424	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	68
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60





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Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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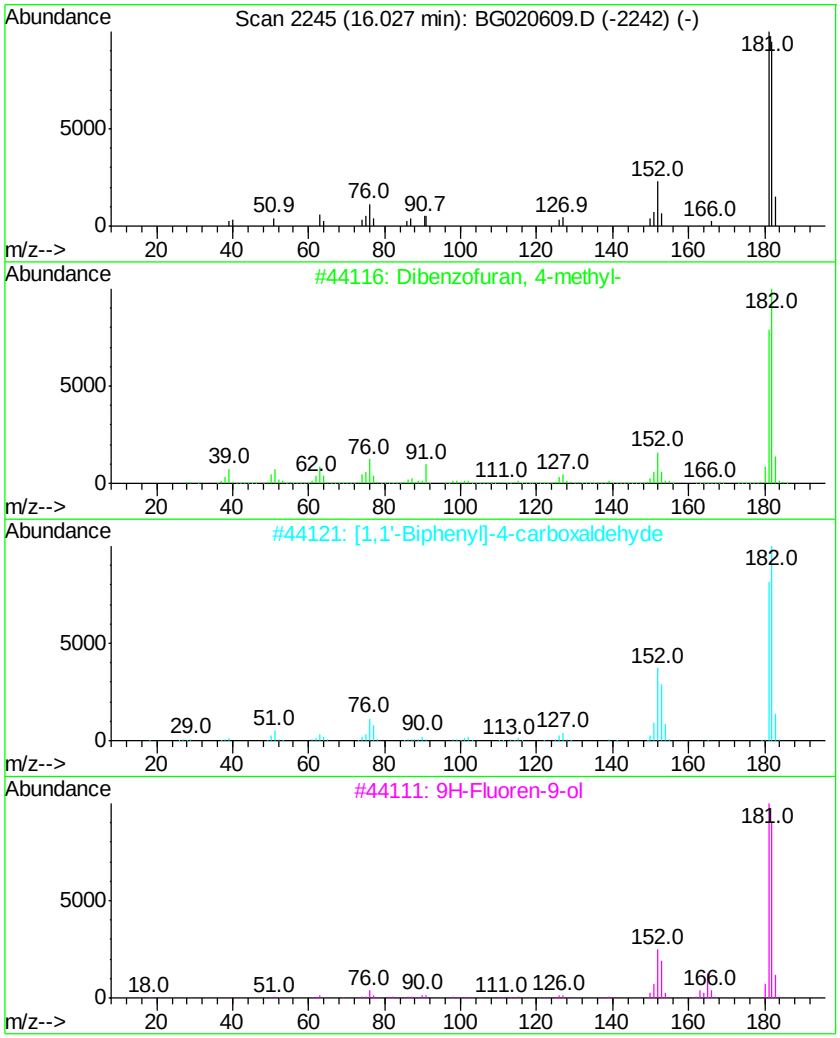
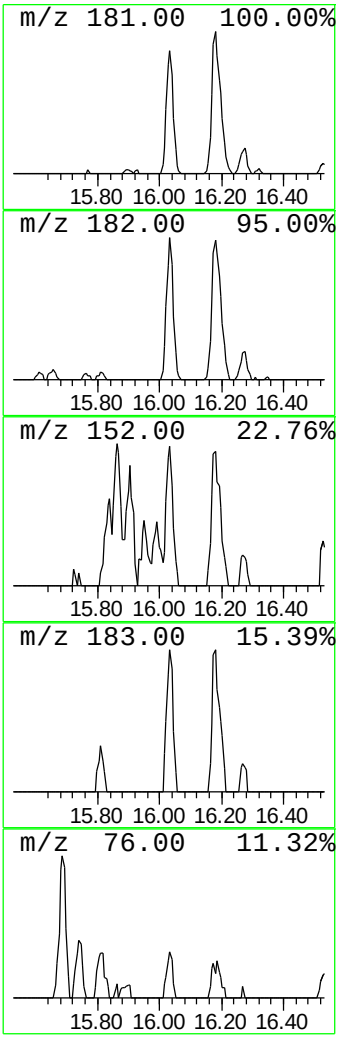
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.37 ng/ul	35046	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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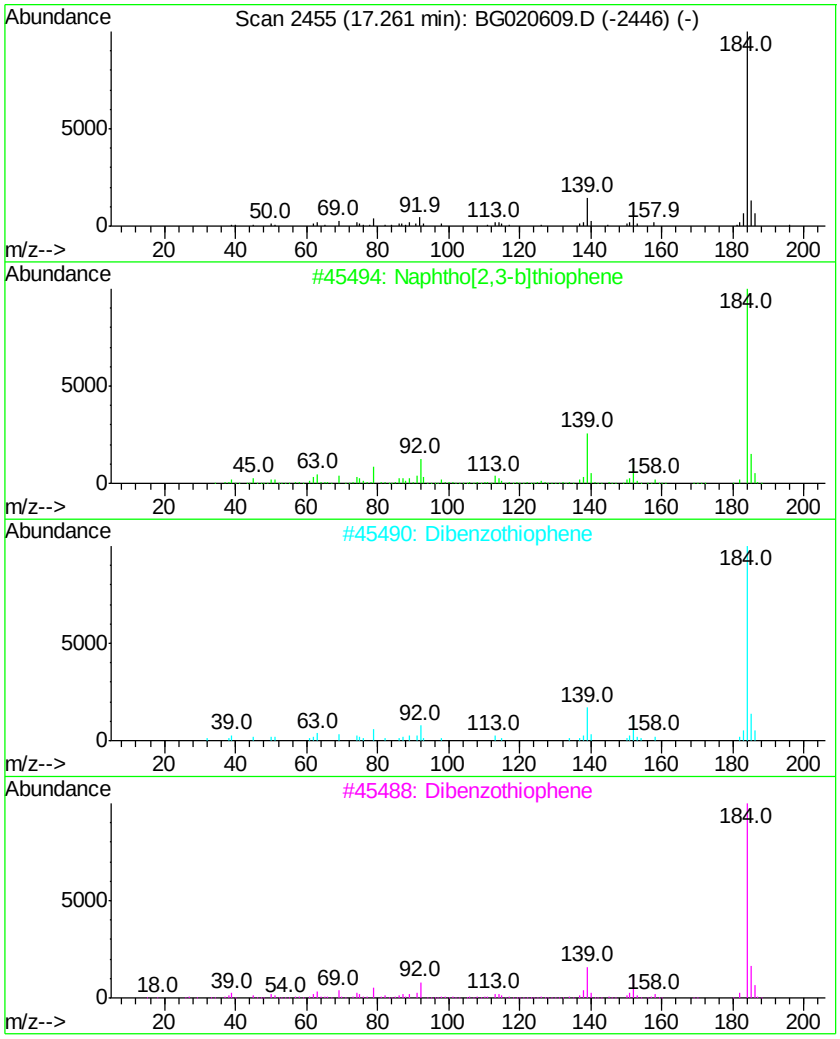
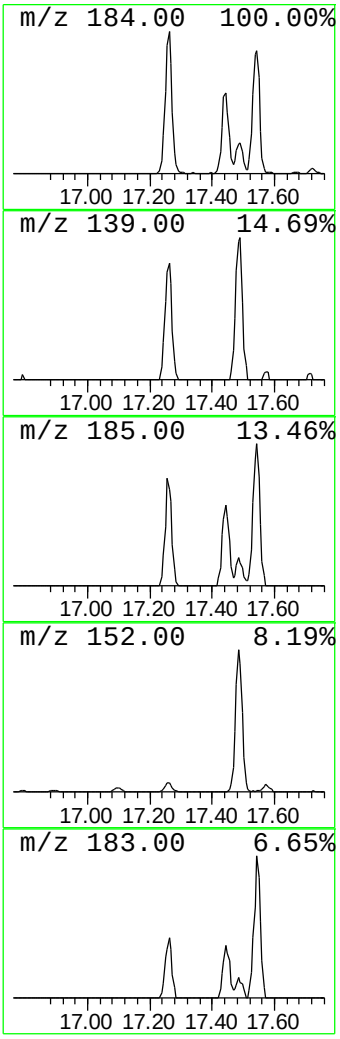
Peak Number 15 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	4.30 ng/ul	86052	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	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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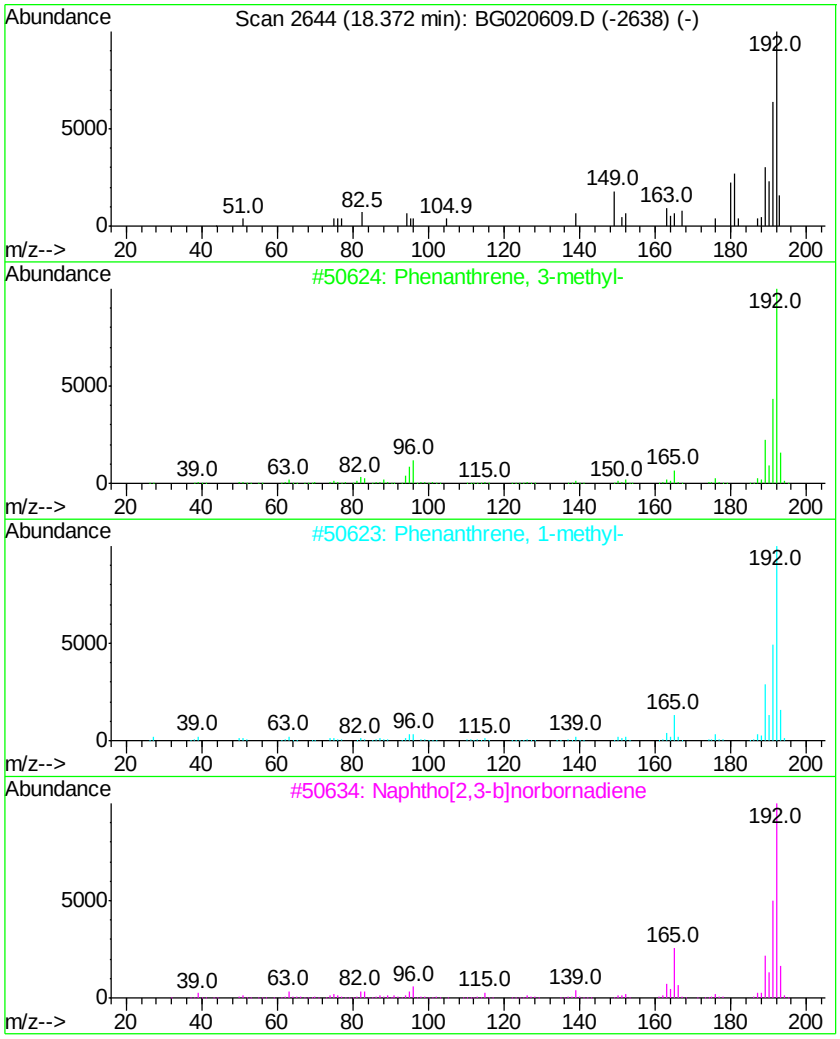
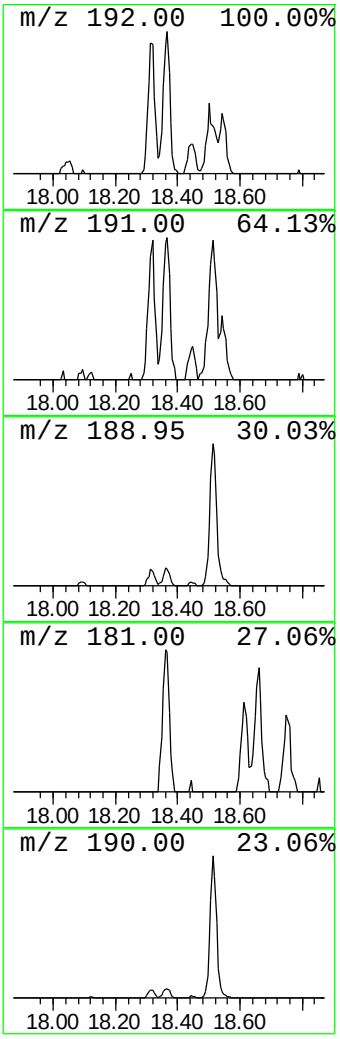
Peak Number 16 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.27 ng/ul	45440	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	58
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	52
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	49
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	49
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	49





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Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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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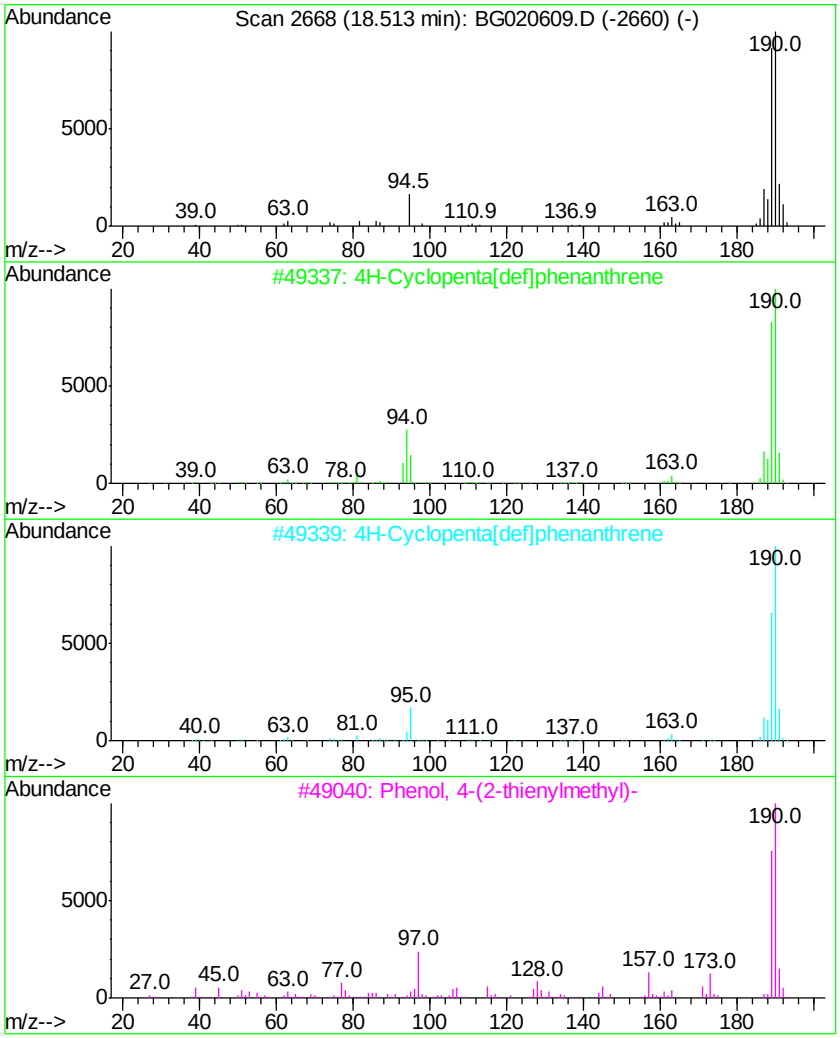
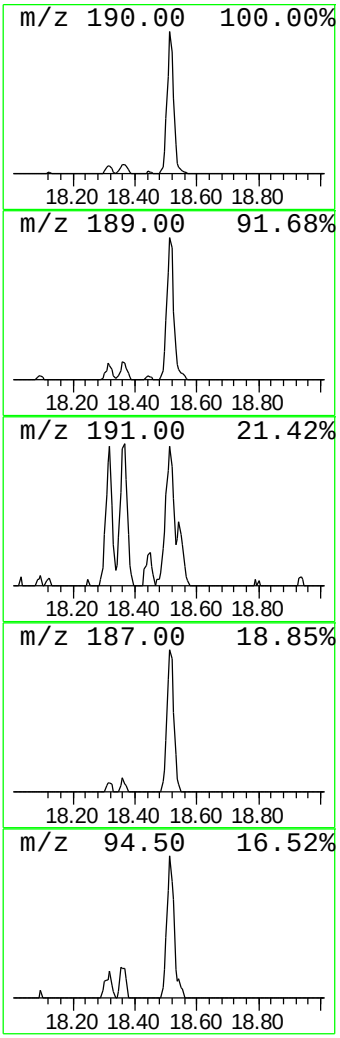
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.16 ng/ul	103227	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020609.D
Acq On : 30 Dec 2015 15:15
Operator : UM/SJ
Sample : G4846-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N56

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
Butane, 2-methoxy...	3.15	6.5	ng/ul	35480	1	8.06	109567	20.0
Indane	8.43	2.6	ng/ul	14124	1	8.06	109567	20.0
Benzene, 1-ethyny...	8.60	5.3	ng/ul	28829	1	8.06	109567	20.0
2,4-Dimethylstyrene	10.27	3.1	ng/ul	29813	2	10.88	191217	20.0
2-Benzothiophene #	11.05	16.5	ng/ul	157939	2	10.88	191217	20.0
Naphthalene, 1-me...	12.74	38.6	ng/ul	368760	2	10.88	191217	20.0
Naphthalene, 1-et...	13.72	2.7	ng/ul	39889	3	14.70	295839	20.0
Naphthalene, 1,6-...	13.87	4.4	ng/ul	64979	3	14.70	295839	20.0
Naphthalene, 1,4-...	14.01	5.3	ng/ul	78331	3	14.70	295839	20.0
Nordiphenamid	15.90	3.1	ng/ul	46424	3	14.70	295839	20.0
Dibenzofuran, 4-m...	16.03	2.4	ng/ul	35046	3	14.70	295839	20.0
Naphtho[2,3-b]thi...	17.26	4.3	ng/ul	86052	4	17.44	399857	20.0
Phenanthrene, 3-m...	18.37	2.3	ng/ul	45440	4	17.44	399857	20.0
4H-Cyclopenta[def...	18.51	5.2	ng/ul	103227	4	17.44	399857	20.0