LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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	3.075	35	40	49	rBV	37008	66076	5.57%	0.600%
2	3.151	49	53	62	rVB	26407	39054	3.29%	0.355%
3	5.542	455	460	467	rBV2	4149	6494	0.55%	0.059%
4	5.672	477	482	491	rVB2	4624	9746	0.82%	0.089%
5	6.048	541	546	555	rBV	4479	6389	0.54%	0.058%
6	7.141	726	732	736	rBV	3074	4177	0.35%	0.038%
7	7.223	736	746	751	rVV2	17462	32859	2.77%	0.298%
8	7.270	751	754	761	rVB2	4511	6727	0.57%	0.061%
9	7.381	766	773	779	rBV	59459	99133	8.36%	0.900%
10	7.440	780	783	787	rVB2	2252	3135	0.26%	0.028%
11	7.587	802	808	816	rBV	62656	106148	8.95%	0.964%
12	7.699	821	827	833	rBB	10910	17631	1.49%	0.160%
13	8.057	882	888	896	rBV	63708	108282	9.13%	0.983%
14	8.175	902	908	913	rBB2	5811	8660	0.73%	0.079%
15	8.433	946	952	959	rBB	22060	35763	3.02%	0.325%
16	8.598	975	980	987	rBB2	12446	20777	1.75%	0.189%
17	8.697	992	997	1002	rBB3	2644	4063	0.34%	0.037%
18	8.768	1003	1009	1019	rBV	55698	95543	8.06%	0.868%
19	9.168	1071	1077	1081	rBB	2609	3824	0.32%	0.035%
20	9.232	1081	1088	1100	rBB	78018	146031	12.32%	1.326%
21	9.685	1161	1165	1172	rVB	1599	2518	0.21%	0.023%
22	9.755	1172	1177	1181	rBB	3224	4373	0.37%	0.040%
23	9.955	1204	1211	1221	rBB	70610	126781	10.69%	1.151%
24	10.114	1234	1238	1244	rBB4	2710	4316	0.36%	0.039%
25	10.266	1259	1264	1274	rBB6	7713	18364	1.55%	0.167%
26	10.366	1276	1281	1287	rBV3	2839	6273	0.53%	0.057%
27	10.495	1297	1303	1314	rBV	102774	182461	15.39%	1.657%
28	10.877	1359	1368	1371	rBV	99916	179055	15.10%	1.626%
29	10.930	1371	1377	1391	rVV	662761	1185700	100.00%	10.769%
30	11.048	1391	1397	1406	rVB	14799	25931	2.19%	0.236%
31	12.423	1627	1631	1634	rBV2	3082	4373	0.37%	0.040%
32	12.528	1642	1649	1659	rBV	192452	314679	26.54%	2.858%
33	12.646	1664	1669	1675	rBB	3464	6325	0.53%	0.057%
34	12.746	1675	1686	1695	rBB	121352	199119	16.79%	1.808%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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	13.527	1812	1819	1827	rBV	57822	88460	7.46%	0.803%
36	13.727	1848	1853	1861	rBB2	11676	19926	1.68%	0.181%
37	13.862	1870	1876	1883	rVB3	11095	25437	2.15%	0.231%
38	14.015	1895	1902	1907	rBV2	21961	38254	3.23%	0.347%
39	14.097	1907	1916	1923	rVV	239704	368243	31.06%	3.345%
40	14.250	1938	1942	1952	rBB	9469	17706	1.49%	0.161%
41	14.338	1953	1957	1960	rBV	4672	6170	0.52%	0.056%
42	14.391	1960	1966	1979	rVB	258621	424147	35.77%	3.852%
43	14.696	2006	2018	2023	rBV2	190739	307850	25.96%	2.796%
44	14.761	2023	2029	2036	rVV	356152	554103	46.73%	5.033%
45	14.826	2036	2040	2045	rVV2	5842	9073	0.77%	0.082%
46	14.902	2047	2053	2062	rBV3	15202	28483	2.40%	0.259%
47	15.002	2065	2070	2074	rVB	5274	7468	0.63%	0.068%
48	15.090	2079	2085	2094	rVV	167482	256713	21.65%	2.332%
49	15.307	2114	2122	2126	rBB4	1765	3400	0.29%	0.031%
50	15.560	2162	2165	2170	rBV	1844	2924	0.25%	0.027%
51	15.683	2180	2186	2191	rBV	354030	546002	46.05%	4.959%
52	15.742	2191	2196	2202	rVB	216203	313337	26.43%	2.846%
53	15.807	2202	2207	2214	rBV	106642	160777	13.56%	1.460%
54	15.866	2214	2217	2220	rVV2	6621	8442	0.71%	0.077%
55	15.901	2220	2223	2229	rVB4	7255	11768	0.99%	0.107%
56	15.989	2234	2238	2241	rVV3	5183	6822	0.58%	0.062%
57	16.036	2241	2246	2250	rVV	8859	12668	1.07%	0.115%
58	16.177	2260	2270	2280	rVB3	10300	23540	1.99%	0.214%
59	16.412	2306	2310	2314	rVB4	2066	2883	0.24%	0.026%
60	16.529	2325	2330	2335	rBV2	7833	11230	0.95%	0.102%
61	16.700	2353	2359	2360	rBV	2386	2752	0.23%	0.025%
62	16.741	2363	2366	2370	rVV3	4552	7248	0.61%	0.066%
63	16.794	2370	2375	2378	rVB3	2485	2989	0.25%	0.027%
64	16.888	2385	2391	2396	rBV3	2991	3819	0.32%	0.035%
65	17.064	2415	2421	2423	rVV2	1514	2324	0.20%	0.021%
66	17.105	2423	2428	2434	rVV4	3190	6470	0.55%	0.059%
67	17.258	2450	2454	2461	rVB	25576	36056	3.04%	0.327%
68	17.440	2479	2485	2489	rBV	263263	414636	34.97%	3.766%
69	17.481	2489	2492	2497	rVV	364165	521990	44.02%	4.741%
70	17.540	2497	2502	2516	rVV2	424758	661916	55.82%	6.012%
71	17.846	2547	2554	2562	rVB	38098	57426	4.84%	0.522%

LSC Area Percent Report

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Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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
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Peak separation: 5

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

72	18.316	2624	2634	2638	rBV4	7482	14047	1.18%	0.128%
73	18.363	2638	2642	2651	rVB3	12120	22990	1.94%	0.209%
74	18.439	2651	2655	2659	rVB2	2190	2644	0.22%	0.024%
75	18.510	2661	2667	2678	rBV2	21443	39776	3.35%	0.361%
76	18.615	2678	2685	2689	rBV3	2915	5207	0.44%	0.047%
77	18.656	2689	2692	2698	rVV2	2991	4330	0.37%	0.039%
78	18.750	2702	2708	2714	rBV3	3302	4939	0.42%	0.045%
79	18.809	2714	2718	2721	rBV3	3856	5120	0.43%	0.047%
80	18.856	2721	2726	2730	rVB4	4142	5387	0.45%	0.049%
81	19.491	2822	2834	2842	rBV	54321	85043	7.17%	0.772%
82	19.714	2867	2872	2875	rBV	3828	5054	0.43%	0.046%
83	19.826	2884	2891	2905	rBV	545737	834334	70.37%	7.578%
84	20.231	2955	2960	2966	rBV2	5649	7580	0.64%	0.069%
85	20.443	2991	2996	3001	rBV5	2344	4161	0.35%	0.038%
86	21.294	3135	3141	3145	rBV5	3012	5751	0.49%	0.052%
87	21.359	3149	3152	3156	rVV2	2638	4072	0.34%	0.037%
88	21.424	3158	3163	3170	rVB	17543	24653	2.08%	0.224%
89	21.712	3205	3212	3222	rBV	312136	504728	42.57%	4.584%
90	22.487	3340	3344	3348	rVB5	2519	4240	0.36%	0.039%
91	23.175	3456	3461	3467	rVB6	6505	10574	0.89%	0.096%
92	23.827	3567	3572	3579	rBV5	3206	7110	0.60%	0.065%
93	23.985	3592	3599	3606	rVB4	7135	14089	1.19%	0.128%
94	24.743	3716	3728	3740	rBV	285212	765130	64.53%	6.949%
95	24.961	3752	3765	3779	rBV2	166191	492883	41.57%	4.477%
96	26.065	3944	3953	3961	rVB4	9025	25034	2.11%	0.227%
97	27.423	4175	4184	4191	rVV6	8533	26217	2.21%	0.238%
98	29.044	4454	4460	4461	rBV4	5321	7057	0.60%	0.064%
99	31.018	4788	4796	4797	rBV6	4697	7648	0.65%	0.069%
100	31.036	4797	4799	4812	rVV6	5090	16354	1.38%	0.149%

Sum of corrected areas: 11010384

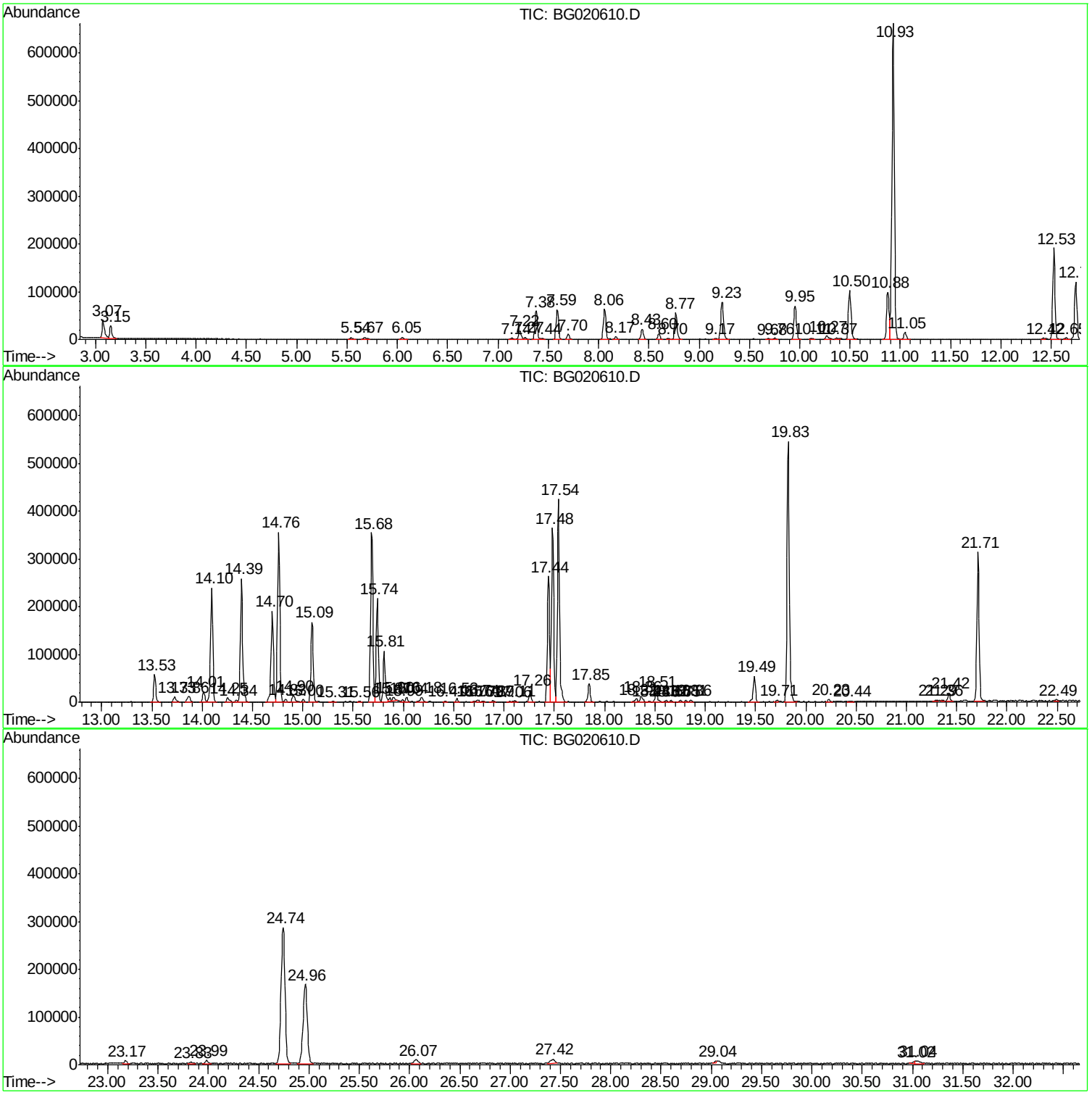
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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 : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
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ALS Vial : 19 Sample Multiplier: 1

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

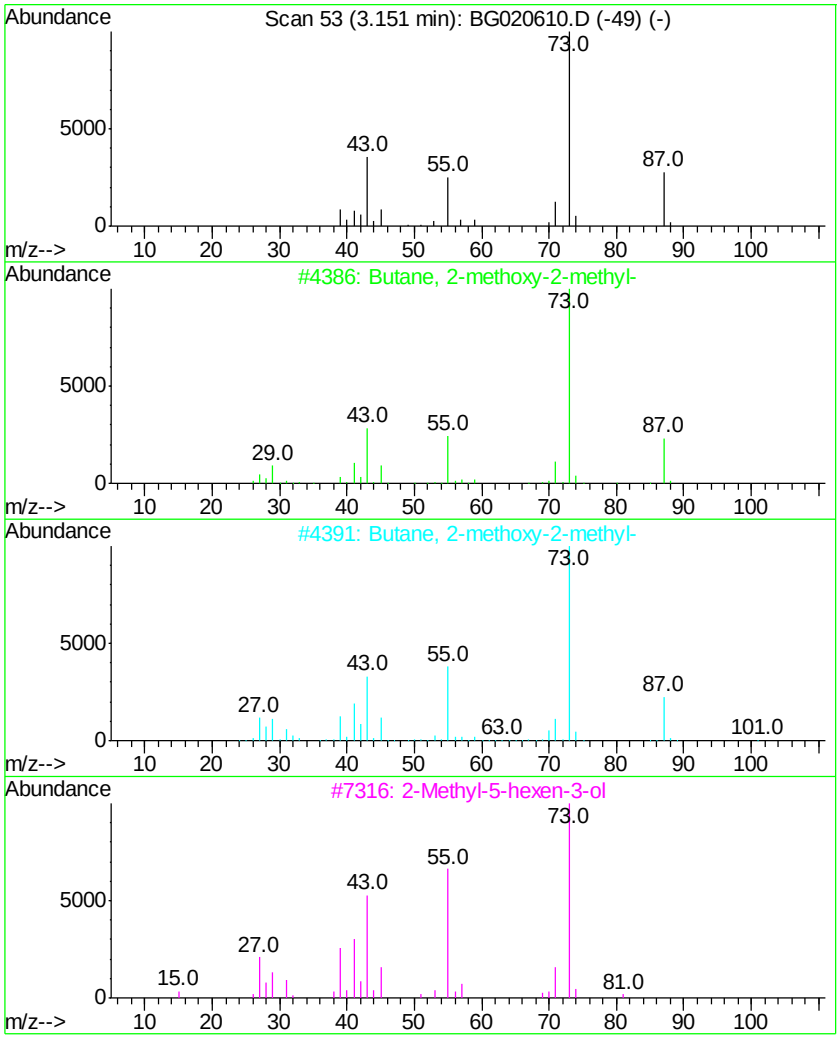
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

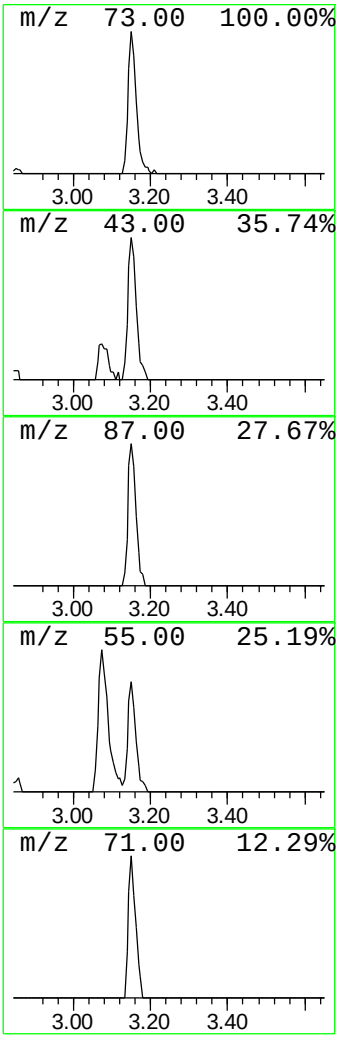
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	7.21 ng/ul	39054	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	74
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

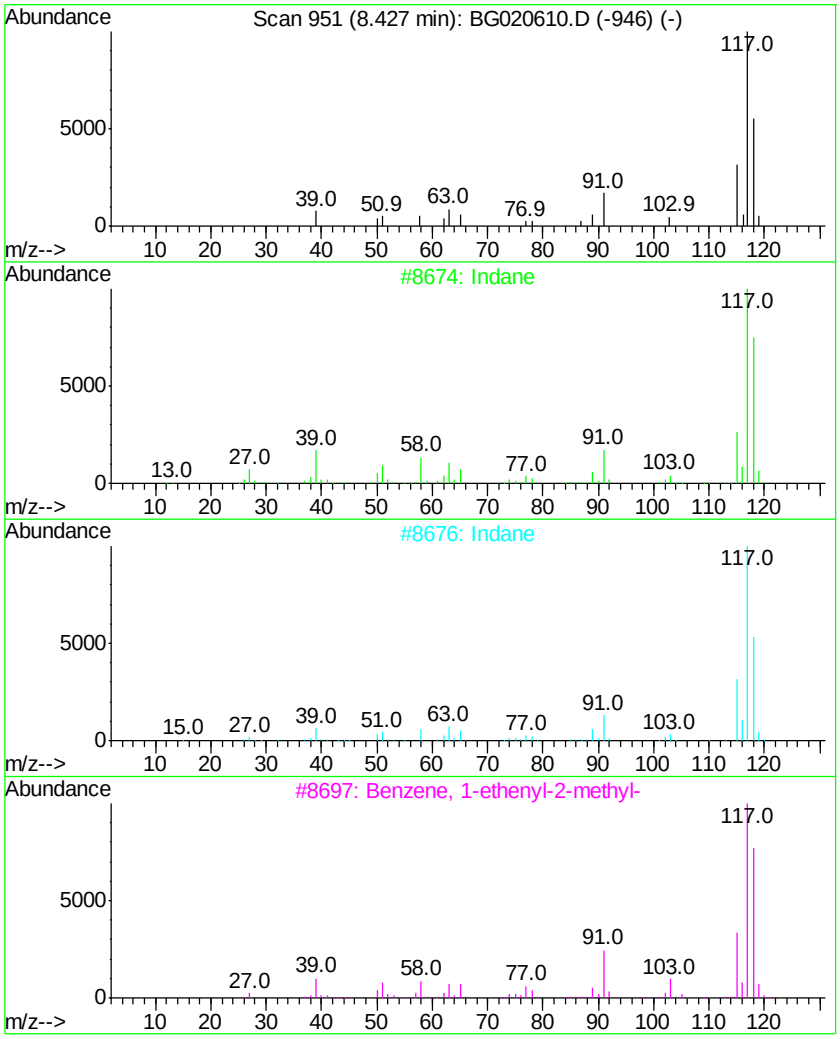
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

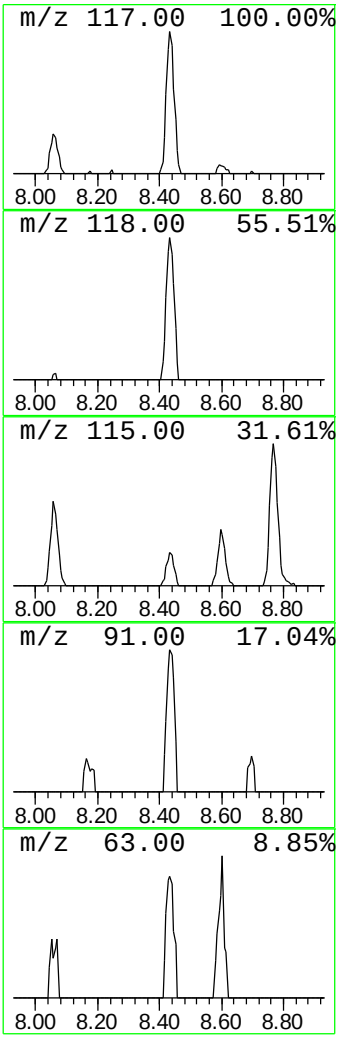
****

Peak Number 4 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.61 ng/ul	35763	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Indane	118	C9H10	000496-11-7	83
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
4	Indane	118	C9H10	000496-11-7	80
5	Indane	118	C9H10	000496-11-7	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

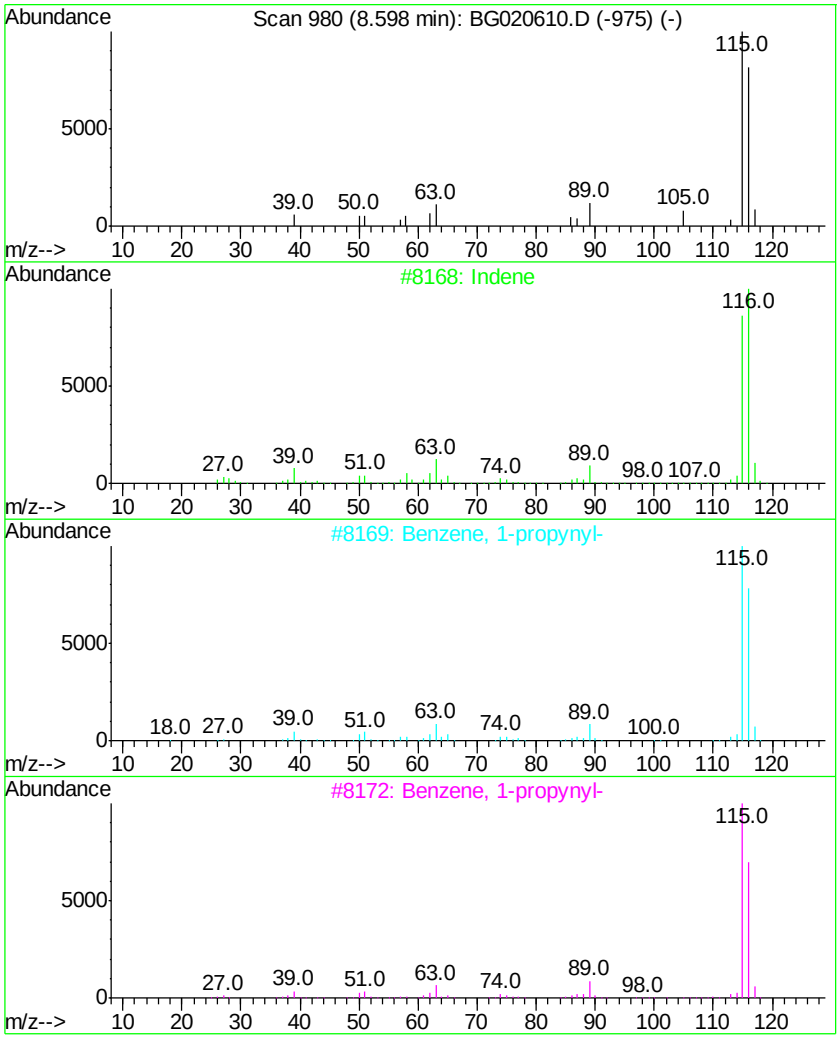
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

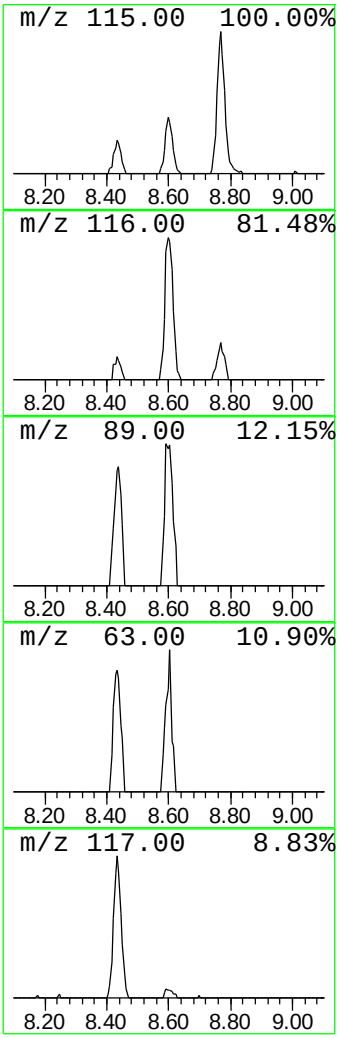
****

Peak Number 5 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	3.84 ng/ul	20777	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	90
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	86
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

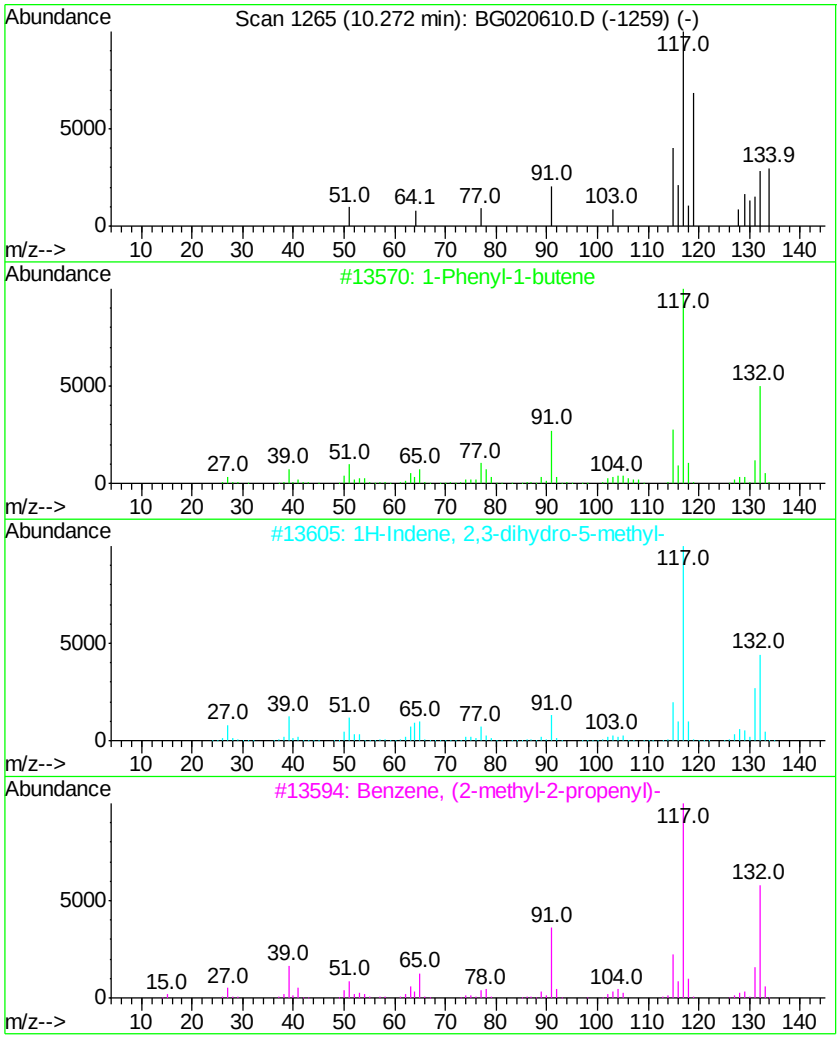
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

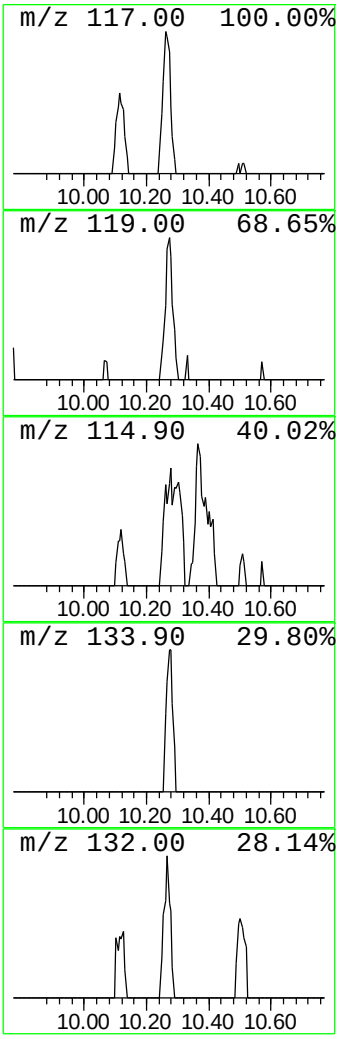
****

Peak Number 6 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.05 ng/ul	18364	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	58
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	52
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	50
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
5	Indan, 1-methyl-	132	C10H12	000767-58-8	49





Library Search Compound Report

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Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

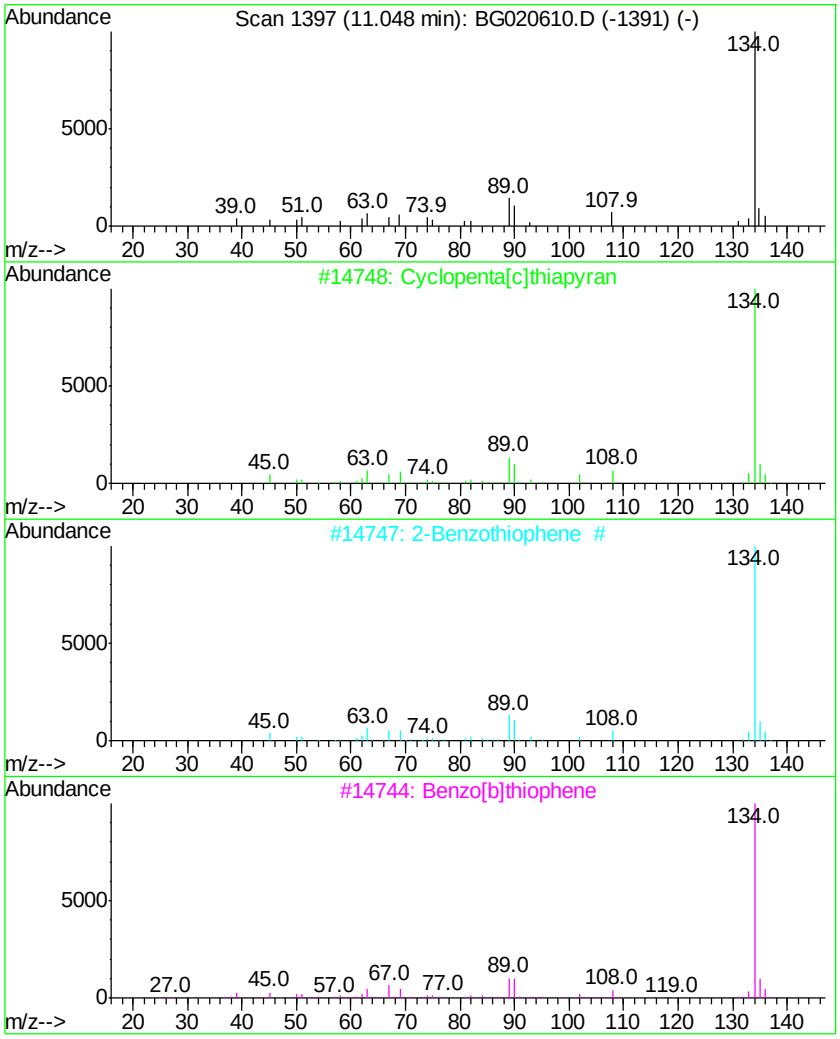
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

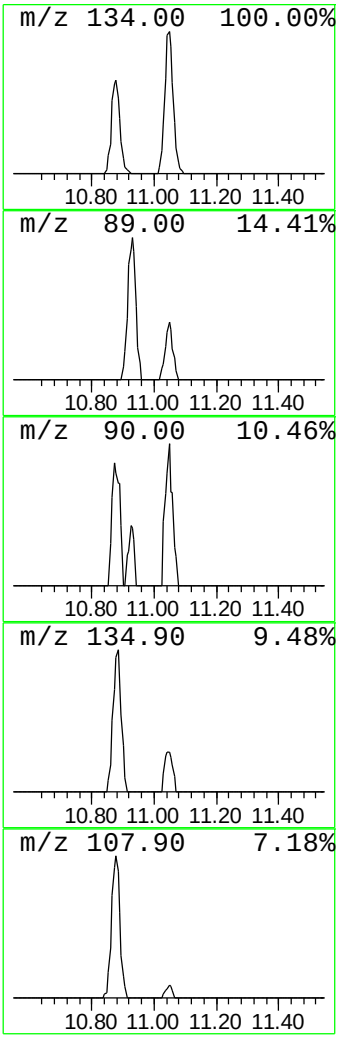
****

Peak Number 7 Cyclopenta[c]thiapyran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	2.90 ng/ul	25931	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
2	2-Benzothiophene #	134	C8H6S	000270-82-6	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

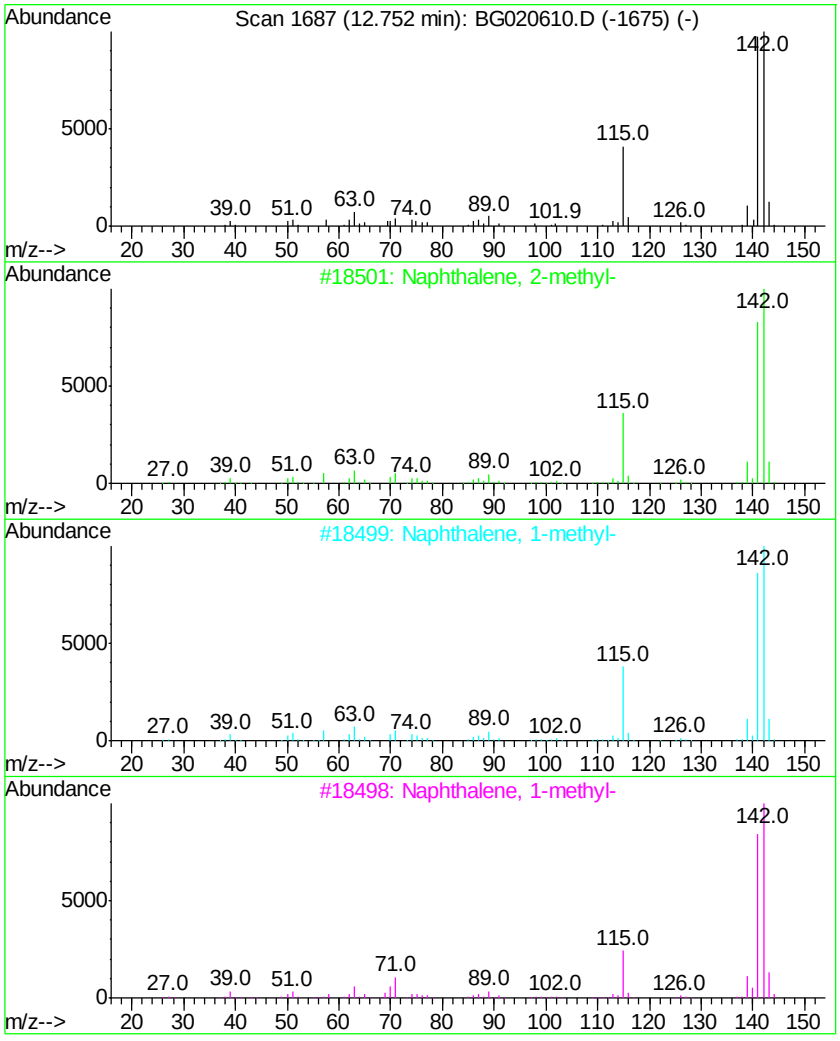
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

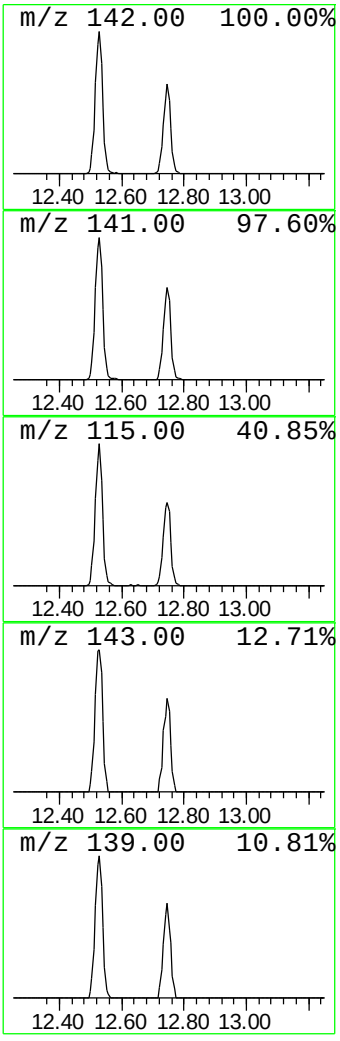
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	22.24 ng/ul	199119	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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

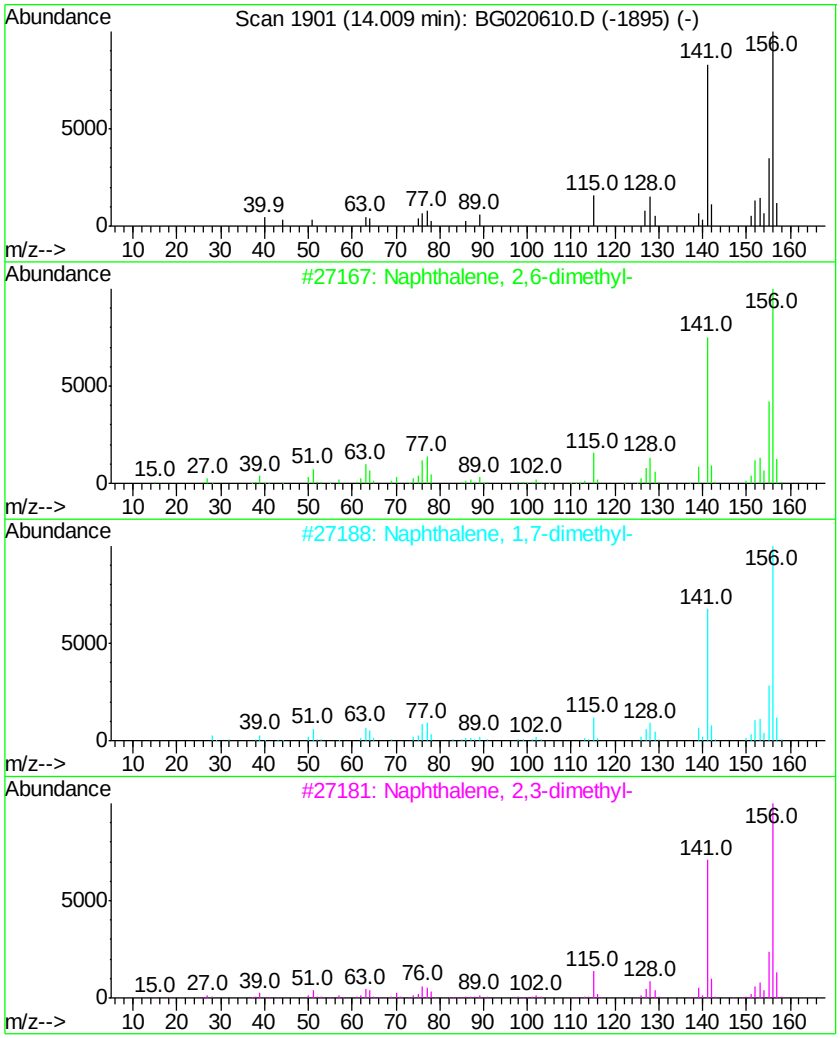
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

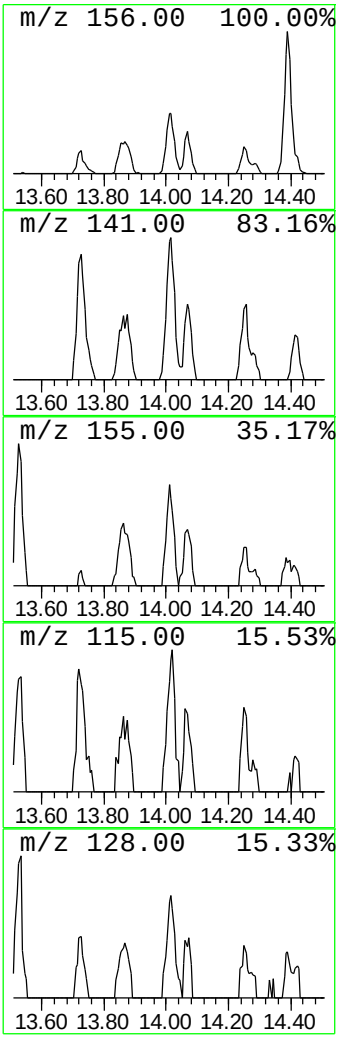
****

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.49 ng/ul	38254	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020610.D
Acq On : 30 Dec 2015 15:54
Operator : UM/SJ
Sample : G4846-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N57

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	7.2	ng/ul	39054	1	8.06	108282	20.0
Indane	8.43	6.6	ng/ul	35763	1	8.06	108282	20.0
Indene	8.60	3.8	ng/ul	20777	1	8.06	108282	20.0
1-Phenyl-1-butene	10.27	2.0	ng/ul	18364	2	10.88	179055	20.0
Cyclopenta[c]thia...	11.05	2.9	ng/ul	25931	2	10.88	179055	20.0
Naphthalene, 1-me...	12.75	22.2	ng/ul	199119	2	10.88	179055	20.0
Naphthalene, 2,6-...	14.01	2.5	ng/ul	38254	3	14.70	307850	20.0