LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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-BG122415.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	3.096	38	44	53	rBV	39965	70180	3.84%	0.688%
2	3.172	53	57	66	rVB	23812	35655	1.95%	0.350%
3	4.653	305	309	314	rVB	3220	3406	0.19%	0.033%
4	7.179	732	739	743	rBB2	2059	2941	0.16%	0.029%
5	7.232	743	748	760	rBB3	14352	26587	1.45%	0.261%
6	7.397	769	776	786	rBV	37475	60662	3.32%	0.595%
7	7.602	805	811	821	rBB	40616	69048	3.78%	0.677%
8	7.796	839	844	849	rBB2	2086	3355	0.18%	0.033%
9	8.078	886	892	899	rBV	57479	99568	5.45%	0.977%
10	8.449	951	955	961	rBB	5775	9436	0.52%	0.093%
11	8.619	977	984	994	rBB	47723	80423	4.40%	0.789%
12	8.783	1007	1012	1023	rVB	38892	68625	3.75%	0.673%
13	9.242	1083	1090	1100	rBV	48277	88462	4.84%	0.868%
14	9.565	1139	1145	1151	rBB2	3593	7042	0.39%	0.069%
15	9.630	1152	1156	1160	rBB3	2362	3273	0.18%	0.032%
16	9.970	1208	1214	1222	rBB2	43079	76590	4.19%	0.751%
17	10.311	1271	1272	1278	rVB2	2048	2911	0.16%	0.029%
18	10.387	1281	1285	1289	rBV2	2077	3947	0.22%	0.039%
19	10.511	1300	1306	1315	rBV	65745	117144	6.41%	1.149%
20	10.893	1362	1371	1374	rBV	86388	152064	8.32%	1.492%
21	10.951	1374	1381	1391	rVV	996752	1827628	100.00%	17.927%
22	11.063	1394	1400	1408	rVB	41407	70969	3.88%	0.696%
23	12.438	1630	1634	1639	rBV	3639	5881	0.32%	0.058%
24	12.544	1645	1652	1662	rBV	219608	352229	19.27%	3.455%
25	12.661	1666	1672	1678	rBB	5589	9468	0.52%	0.093%
26	12.761	1678	1689	1701	rBB	127101	215911	11.81%	2.118%
27	13.543	1814	1822	1832	rBB	63446	95712	5.24%	0.939%
28	13.736	1850	1855	1864	rBB	7362	14274	0.78%	0.140%
29	13.877	1871	1879	1880	rBV4	8673	13797	0.75%	0.135%
30	14.030	1898	1905	1910	rBV	19070	31829	1.74%	0.312%
31	14.113	1910	1919	1923	rVV	146974	231430	12.66%	2.270%
32	14.154	1923	1926	1933	rVB	39606	54583	2.99%	0.535%
33	14.265	1940	1945	1949	rBV2	7246	10805	0.59%	0.106%
34	14.406	1961	1969	1980	rBB2	162231	288388	15.78%	2.829%

LSC Area Percent Report

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Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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-BG122415.M
Title : SVOA CALIBRATION

35	14.583	1995	1999	2003	rBV2	5075	6044	0.33%	0.059%
36	14.712	2009	2021	2026	rBV2	166430	274807	15.04%	2.696%
37	14.776	2026	2032	2039	rVV	391435	594765	32.54%	5.834%
38	14.841	2039	2043	2049	rVV	35584	55487	3.04%	0.544%
39	14.917	2051	2056	2065	rVV4	11166	22706	1.24%	0.223%
40	15.017	2070	2073	2080	rVB3	4931	7773	0.43%	0.076%
41	15.111	2080	2089	2098	rBV	203441	343283	18.78%	3.367%
42	15.317	2118	2124	2129	rBV5	1782	3342	0.18%	0.033%
43	15.487	2147	2153	2155	rBV2	2354	3757	0.21%	0.037%
44	15.534	2155	2161	2165	rVB2	10327	14952	0.82%	0.147%
45	15.699	2183	2189	2194	rVV	221237	337513	18.47%	3.311%
46	15.758	2194	2199	2205	rVV	246059	352639	19.29%	3.459%
47	15.822	2205	2210	2217	rVV	58796	89438	4.89%	0.877%
48	15.881	2217	2220	2223	rVV3	7945	12065	0.66%	0.118%
49	15.916	2223	2226	2233	rVV4	12431	25586	1.40%	0.251%
50	15.969	2233	2235	2237	rVV	3307	3856	0.21%	0.038%
51	16.004	2237	2241	2244	rVV2	5499	7791	0.43%	0.076%
52	16.046	2244	2248	2253	rVV	8944	13948	0.76%	0.137%
53	16.151	2262	2266	2269	rVV2	2880	4245	0.23%	0.042%
54	16.192	2269	2273	2281	rVV2	10531	21987	1.20%	0.216%
55	16.281	2284	2288	2293	rVB3	1911	3003	0.16%	0.029%
56	16.392	2303	2307	2317	rBV2	12451	23968	1.31%	0.235%
57	16.545	2328	2333	2338	rBV2	10342	15271	0.84%	0.150%
58	16.739	2358	2366	2367	rBV5	4638	8958	0.49%	0.088%
59	16.756	2367	2369	2374	rVV3	5886	8005	0.44%	0.079%
60	16.798	2374	2376	2382	rVV2	2633	4357	0.24%	0.043%
61	16.903	2390	2394	2400	rVB2	3081	5006	0.27%	0.049%
62	17.109	2425	2429	2436	rVV3	7170	11161	0.61%	0.109%
63	17.185	2436	2442	2446	rVV	11163	14211	0.78%	0.139%
64	17.238	2446	2451	2453	rVV3	4083	5575	0.31%	0.055%
65	17.273	2453	2457	2462	rVB	24504	35361	1.93%	0.347%
66	17.456	2482	2488	2492	rBV2	229515	363636	19.90%	3.567%
67	17.503	2492	2496	2500	rVV	321772	480094	26.27%	4.709%
68	17.556	2500	2505	2517	rVV	262250	406720	22.25%	3.990%
69	17.650	2517	2521	2527	rVB2	1888	3037	0.17%	0.030%
70	17.861	2551	2557	2564	rBV	93258	135285	7.40%	1.327%
71	17.926	2564	2568	2571	rVV	4164	5290	0.29%	0.052%

LSC Area Percent Report

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Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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-BG122415.M
Title : SVOA CALIBRATION

72	18.325	2626	2636	2641	rBV4	24080	34861	1.91%	0.342%
73	18.378	2641	2645	2652	rVB2	18650	31191	1.71%	0.306%
74	18.531	2666	2671	2675	rBV2	16748	26801	1.47%	0.263%
75	18.631	2681	2688	2691	rBV	7215	12347	0.68%	0.121%
76	18.672	2691	2695	2700	rVB	10181	13674	0.75%	0.134%
77	18.766	2707	2711	2717	rVB4	6767	10863	0.59%	0.107%
78	18.825	2717	2721	2724	rBV4	2798	3756	0.21%	0.037%
79	18.872	2724	2729	2734	rBV2	8124	12119	0.66%	0.119%
80	19.506	2831	2837	2843	rVB	45308	65987	3.61%	0.647%
81	19.594	2847	2852	2860	rBV2	17305	22299	1.22%	0.219%
82	19.729	2872	2875	2877	rVV	2035	2866	0.16%	0.028%
83	19.841	2888	2894	2907	rBV2	330830	515749	28.22%	5.059%
84	20.246	2959	2963	2969	rVV2	4515	5948	0.33%	0.058%
85	20.452	2995	2998	3005	rVB2	1886	3084	0.17%	0.030%
86	20.840	3060	3064	3066	rBV2	2578	3386	0.19%	0.033%
87	21.351	3146	3151	3163	rVV	23298	48153	2.63%	0.472%
88	21.598	3187	3193	3197	rBV2	4102	5621	0.31%	0.055%
89	21.733	3209	3216	3225	rVB	294401	471716	25.81%	4.627%
90	21.862	3235	3238	3242	rBV6	2538	3399	0.19%	0.033%
91	22.150	3283	3287	3293	rBV7	2761	4529	0.25%	0.044%
92	22.514	3345	3349	3354	rVB5	2381	4000	0.22%	0.039%
93	23.214	3462	3468	3474	rVV6	4570	10667	0.58%	0.105%
94	23.854	3575	3577	3583	rVB5	1990	2823	0.15%	0.028%
95	24.019	3600	3605	3612	rVB5	5671	10536	0.58%	0.103%
96	24.776	3722	3734	3743	rBV	164555	452673	24.77%	4.440%
97	25.000	3761	3772	3785	rBV2	151275	443838	24.28%	4.354%
98	26.104	3954	3960	3961	rBV5	5741	8083	0.44%	0.079%
99	27.473	4185	4193	4205	rBV7	6786	24306	1.33%	0.238%
100	29.136	4466	4476	4478	rBV7	3835	10287	0.56%	0.101%

Sum of corrected areas: 10194707

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
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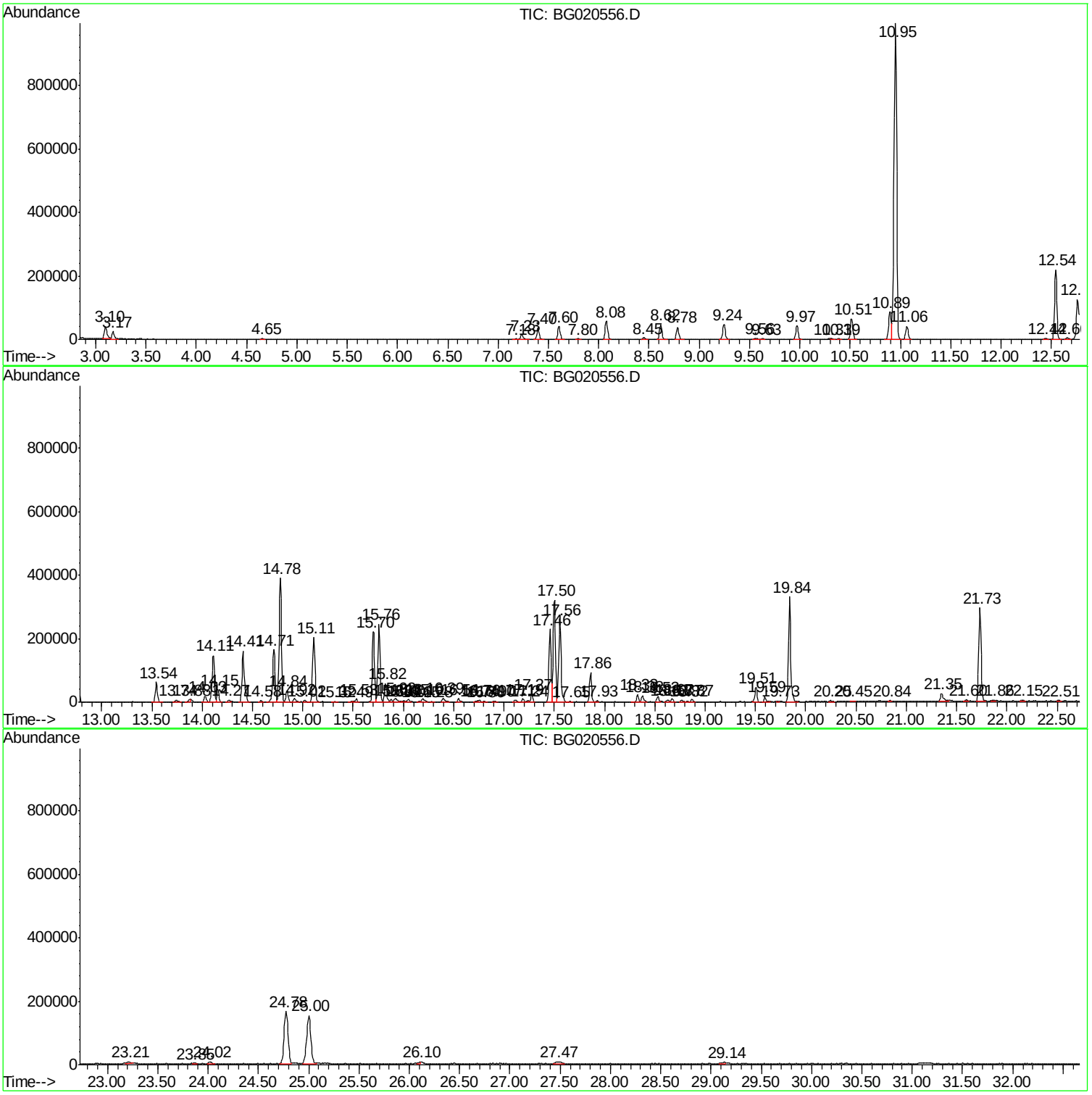
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

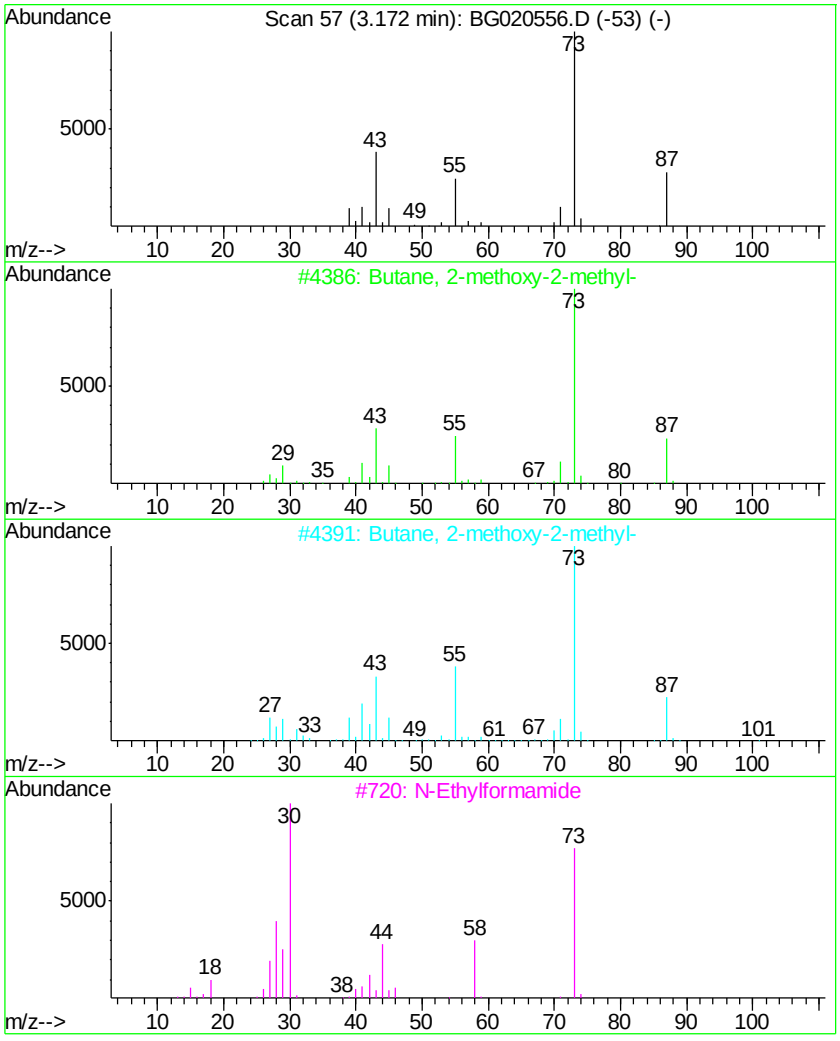
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

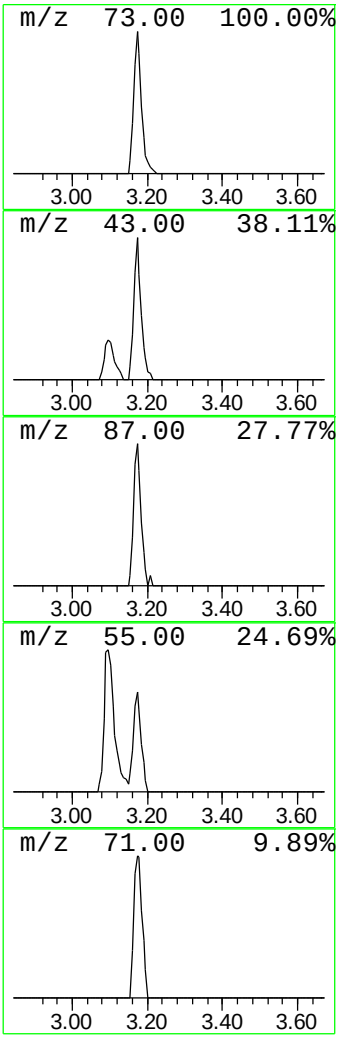
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	7.16 ng/ul	35655	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

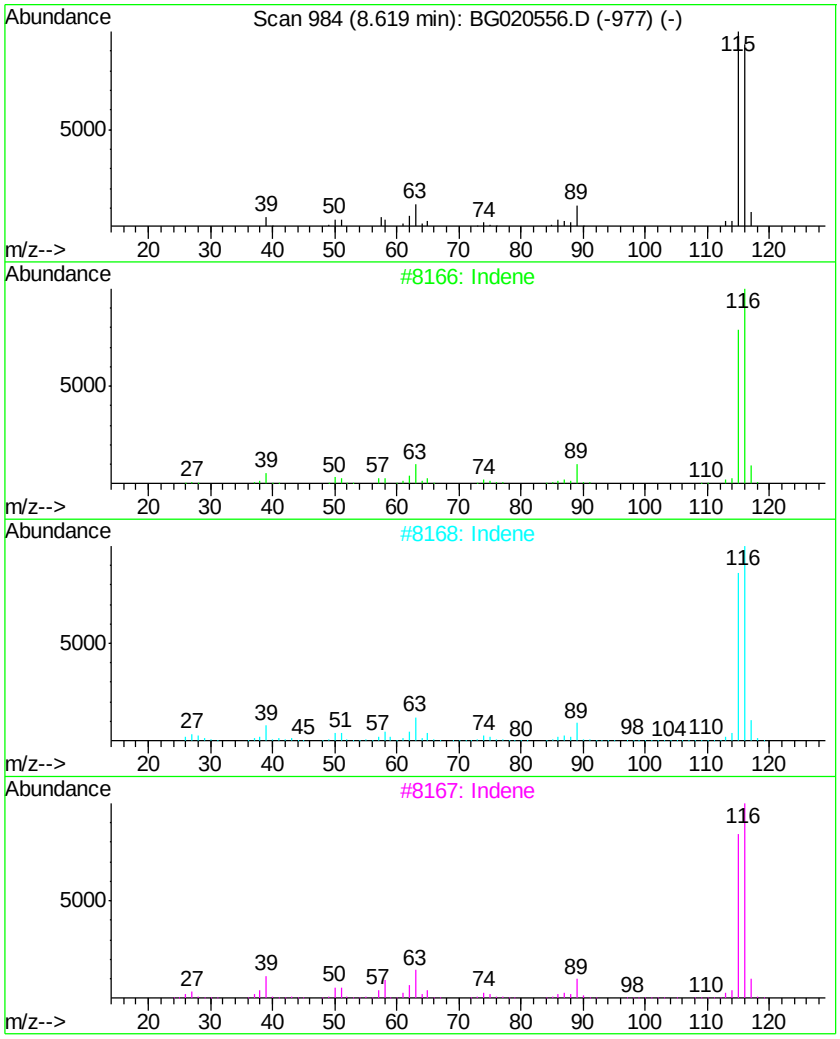
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

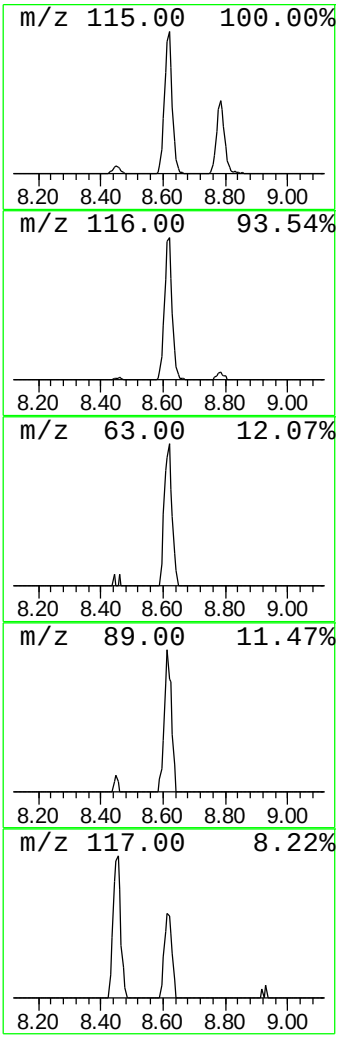
****

Peak Number 3 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	16.15 ng/ul	80423	1,4-Dichlorobenzene-d4	8.08

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





Library Search Compound Report

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Sample : G4846-20
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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

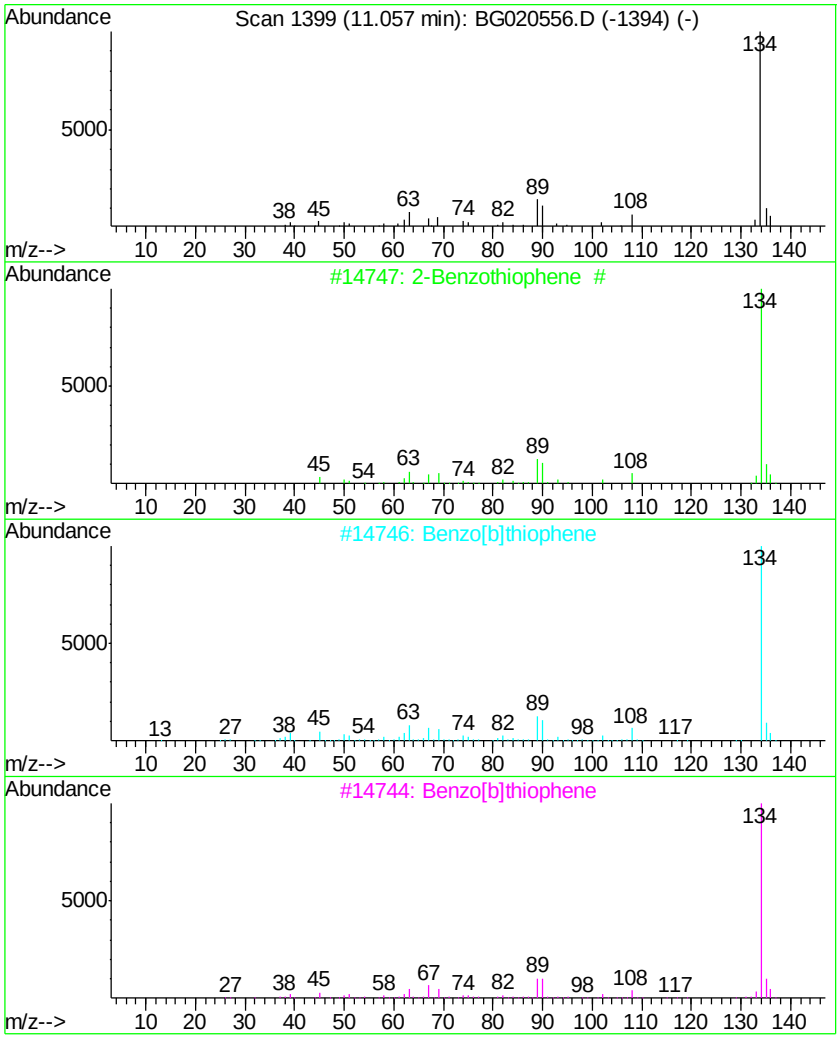
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

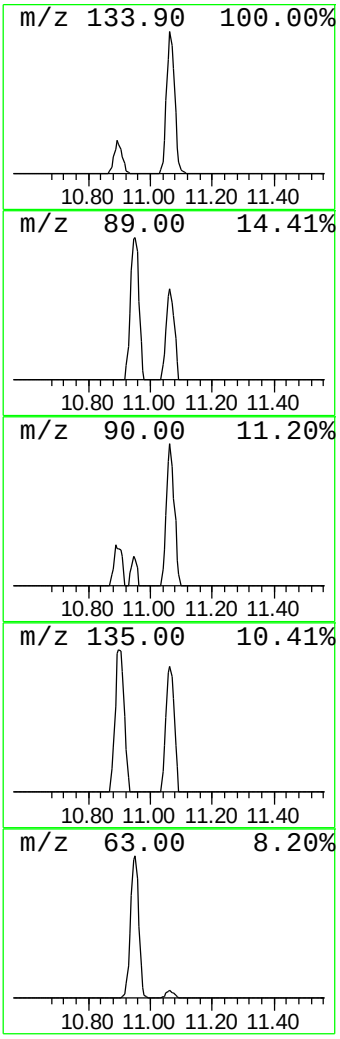
****

Peak Number 4 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	9.33 ng/ul	70969	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	94
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

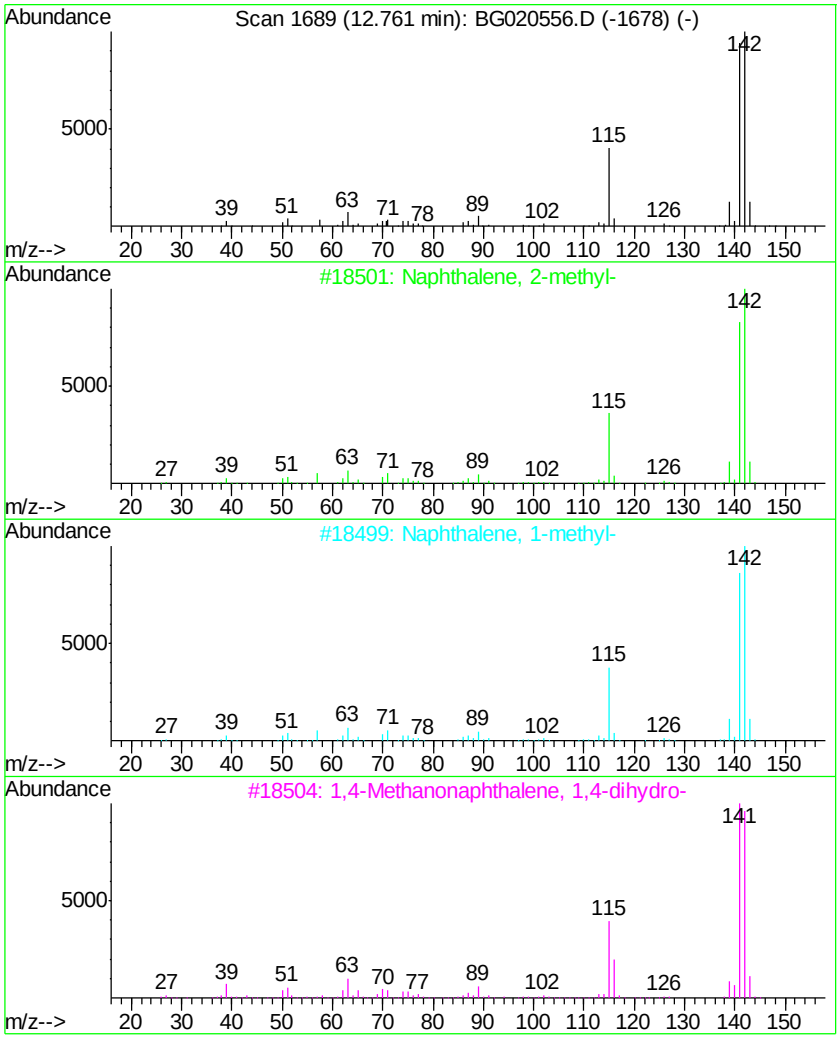
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

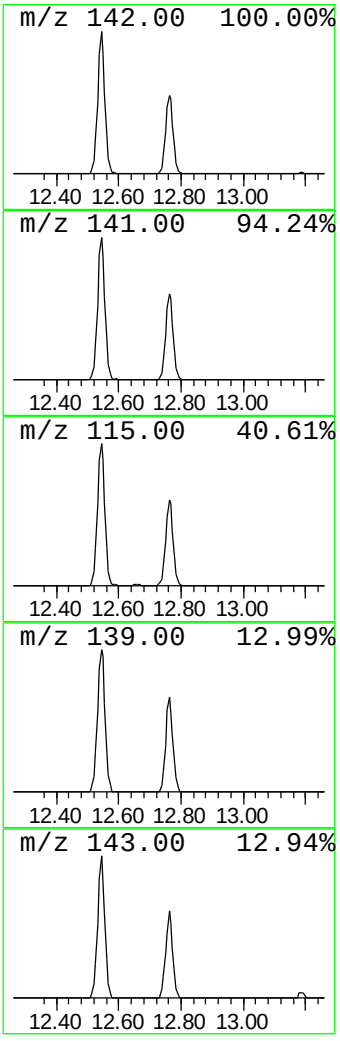
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	28.40 ng/ul	215911	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





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Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

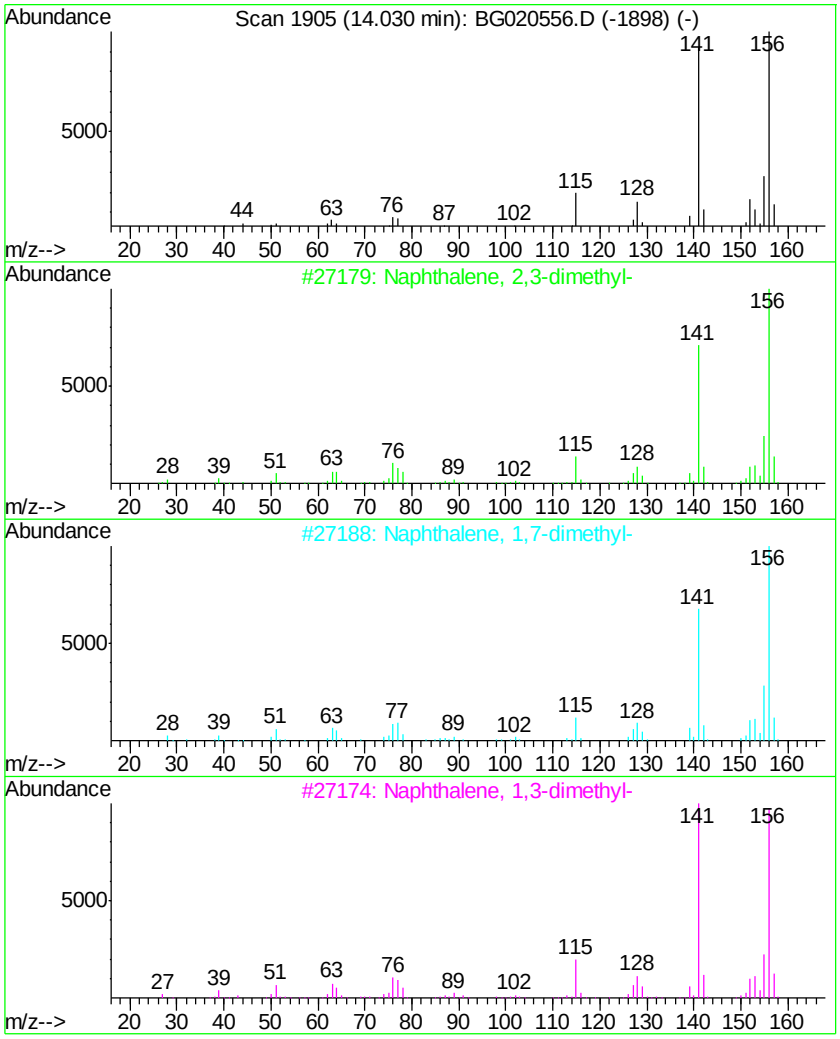
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

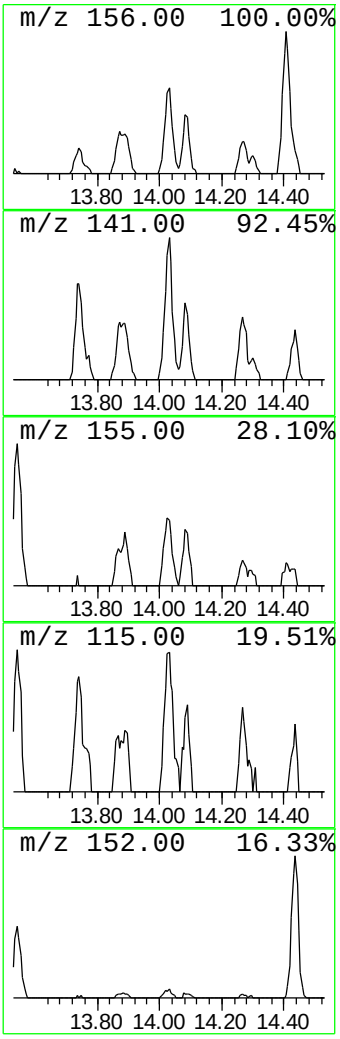
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	2.32 ng/ul	31829	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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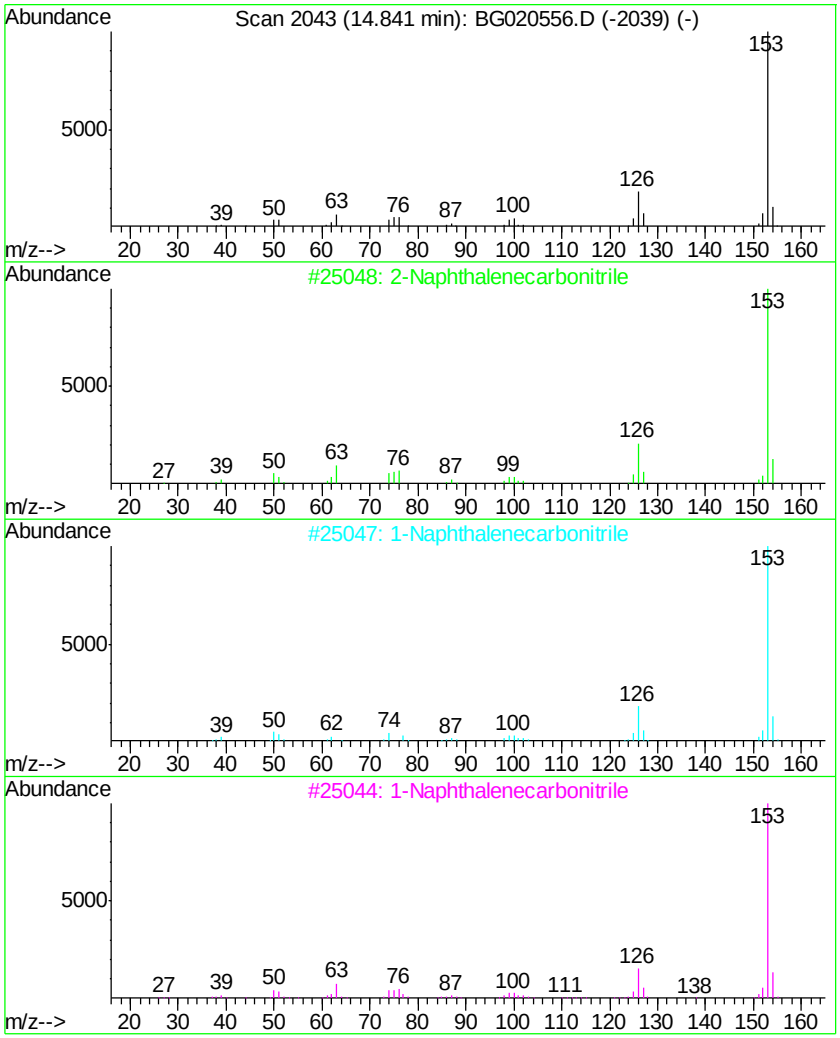
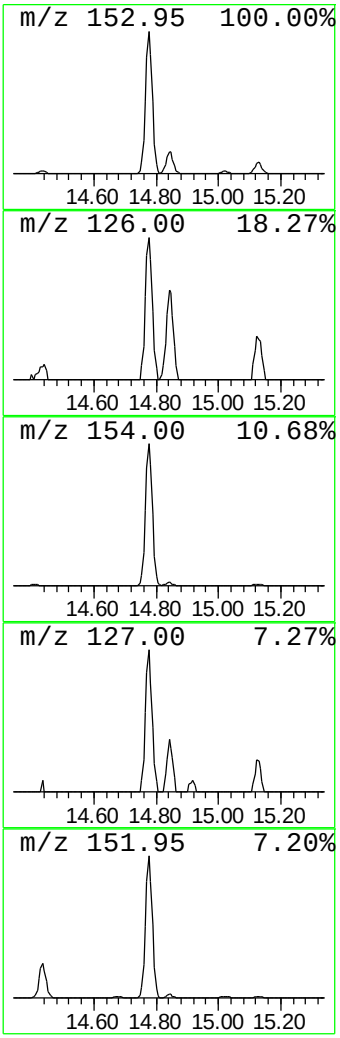
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.04 ng/ul	55487	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	93
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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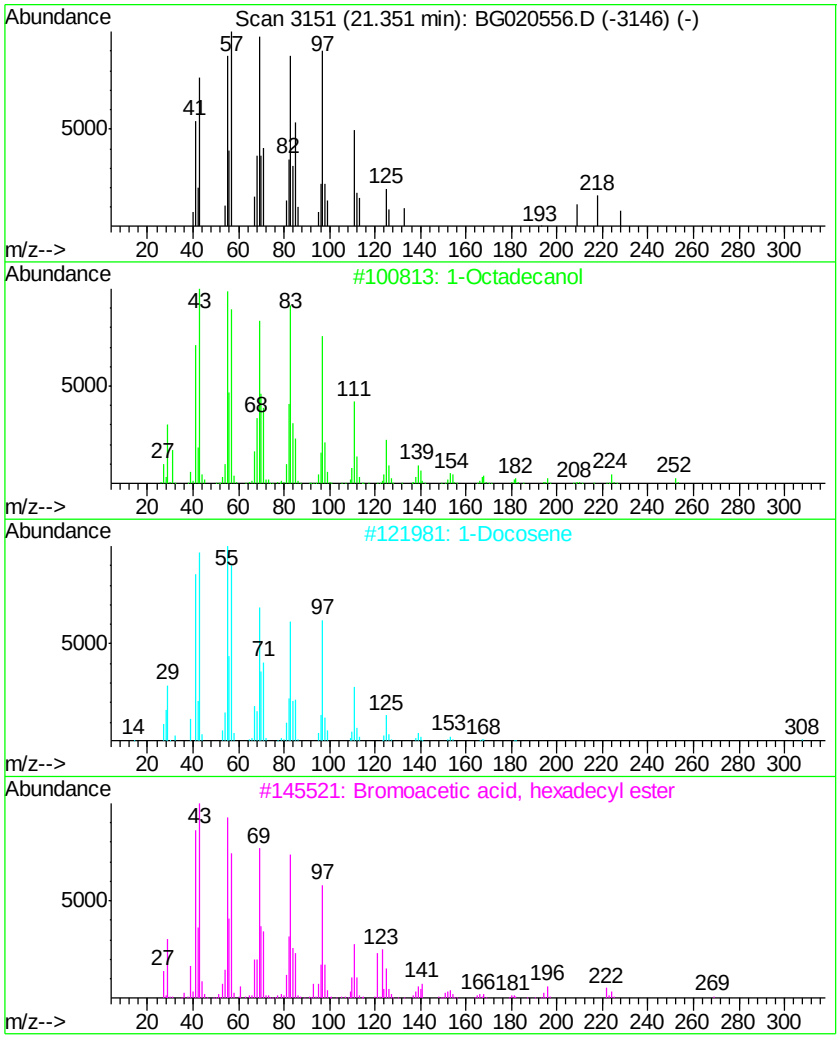
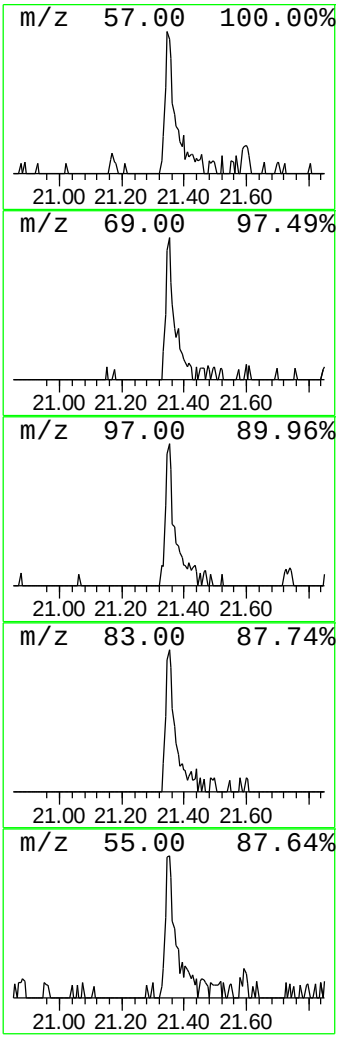
Peak Number 8 1-Octadecanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	2.04 ng/ul	48153	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanol	270	C18H38O	000112-92-5	87
2	1-Docosene	308	C22H44	001599-67-3	76
3	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	74
4	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	72
5	2-Heptafluorobutyroxypentadecane	424	C19H31F7O2	1000245-50-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020556.D
Acq On : 27 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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...	3.17	7.2	ng/ul	35655	1	8.08	99568	20.0
Indene	8.62	16.1	ng/ul	80423	1	8.08	99568	20.0
2-Benzothiophene #	11.06	9.3	ng/ul	70969	2	10.90	152064	20.0
Naphthalene, 1-me...	12.76	28.4	ng/ul	215911	2	10.90	152064	20.0
Naphthalene, 2,3-...	14.03	2.3	ng/ul	31829	3	14.71	274807	20.0
2-Naphthalenecarb...	14.84	4.0	ng/ul	55487	3	14.71	274807	20.0
1-Octadecanol	21.35	2.0	ng/ul	48153	5	21.73	471716	20.0