LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 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-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	3.067	33	39	48	rBV	44475	85831	5.19%	0.934%
2	3.143	48	52	63	rVB2	25027	36669	2.22%	0.399%
3	4.630	300	305	314	rVB	3645	6138	0.37%	0.067%
4	7.150	729	734	739	rBB2	2025	3033	0.18%	0.033%
5	7.209	739	744	755	rBV	12392	22898	1.39%	0.249%
6	7.374	765	772	781	rBB	32183	55271	3.34%	0.601%
7	7.579	801	807	817	rBB	35051	61166	3.70%	0.666%
8	7.773	836	840	846	rBV	2125	3461	0.21%	0.038%
9	8.049	881	887	895	rBV	51657	87322	5.28%	0.950%
10	8.425	946	951	957	rBB3	5047	8135	0.49%	0.089%
11	8.590	973	979	987	rBB	42993	72992	4.42%	0.794%
12	8.760	1002	1008	1018	rBB2	34960	59397	3.59%	0.646%
13	9.218	1078	1086	1095	rBV	42643	77789	4.71%	0.846%
14	9.542	1134	1141	1147	rBB3	3730	7480	0.45%	0.081%
15	9.612	1148	1153	1155	rBV2	1897	2928	0.18%	0.032%
16	9.947	1204	1210	1218	rBB	38767	66735	4.04%	0.726%
17	10.288	1266	1268	1274	rVV2	1943	2634	0.16%	0.029%
18	10.364	1276	1281	1285	rBV3	1993	3835	0.23%	0.042%
19	10.488	1294	1302	1315	rBV	58654	104310	6.31%	1.135%
20	10.869	1359	1367	1370	rBV	78414	141055	8.54%	1.535%
21	10.922	1370	1376	1389	rVV	910168	1652416	100.00%	17.981%
22	11.040	1389	1396	1404	rVB	38745	63572	3.85%	0.692%
23	12.415	1624	1630	1639	rBB3	3376	6283	0.38%	0.068%
24	12.520	1641	1648	1655	rBV	193283	314636	19.04%	3.424%
25	12.638	1662	1668	1675	rBV2	5763	9294	0.56%	0.101%
26	12.738	1675	1685	1694	rVV	116050	190967	11.56%	2.078%
27	13.284	1774	1778	1784	rBB2	1982	2600	0.16%	0.028%
28	13.519	1808	1818	1826	rBV	54380	86380	5.23%	0.940%
29	13.719	1847	1852	1861	rBV	6800	12187	0.74%	0.133%
30	13.860	1867	1876	1883	rBV4	7801	20218	1.22%	0.220%
31	14.007	1895	1901	1906	rBV2	16284	28701	1.74%	0.312%
32	14.089	1906	1915	1919	rVV	140736	218279	13.21%	2.375%
33	14.136	1919	1923	1928	rVB	36803	52193	3.16%	0.568%
34	14.242	1937	1941	1945	rBV2	6046	9995	0.60%	0.109%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 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-BG123015.M
Title : SVOA CALIBRATION

35	14.383	1957	1965	1977	rBB2	144070	257818	15.60%	2.805%
36	14.565	1991	1996	2000	rBB2	4626	6442	0.39%	0.070%
37	14.688	2005	2017	2022	rBV2	145996	240593	14.56%	2.618%
38	14.753	2022	2028	2034	rVV	350129	539445	32.65%	5.870%
39	14.824	2034	2040	2048	rVV	32533	51533	3.12%	0.561%
40	14.900	2048	2053	2060	rVV4	8246	17194	1.04%	0.187%
41	14.959	2060	2063	2066	rVV3	1774	2635	0.16%	0.029%
42	14.994	2066	2069	2074	rVV	4929	6833	0.41%	0.074%
43	15.088	2078	2085	2094	rVV	178578	303759	18.38%	3.305%
44	15.464	2145	2149	2151	rBV2	1844	2775	0.17%	0.030%
45	15.511	2151	2157	2161	rVB2	10088	14204	0.86%	0.155%
46	15.681	2179	2186	2190	rVV	201144	307779	18.63%	3.349%
47	15.734	2190	2195	2202	rVV	210392	310936	18.82%	3.383%
48	15.805	2202	2207	2213	rVV	49613	77731	4.70%	0.846%
49	15.858	2213	2216	2219	rVV4	7802	11591	0.70%	0.126%
50	15.893	2219	2222	2229	rVV6	11053	22770	1.38%	0.248%
51	15.946	2229	2231	2234	rVV3	2647	3785	0.23%	0.041%
52	15.987	2234	2238	2241	rVV	4483	6474	0.39%	0.070%
53	16.028	2241	2245	2249	rVV	7698	11014	0.67%	0.120%
54	16.134	2258	2263	2265	rVV3	2584	3439	0.21%	0.037%
55	16.169	2265	2269	2278	rVB2	9573	19986	1.21%	0.217%
56	16.375	2297	2304	2311	rBV	11863	21911	1.33%	0.238%
57	16.528	2325	2330	2339	rVB2	9844	16023	0.97%	0.174%
58	16.727	2355	2364	2369	rBV6	4719	12723	0.77%	0.138%
59	16.880	2386	2390	2395	rVB4	3183	3951	0.24%	0.043%
60	17.092	2422	2426	2433	rBV2	5972	8863	0.54%	0.096%
61	17.162	2433	2438	2443	rVV3	9436	12269	0.74%	0.134%
62	17.215	2443	2447	2449	rVV2	3739	5577	0.34%	0.061%
63	17.250	2449	2453	2462	rVB	21533	33095	2.00%	0.360%
64	17.432	2478	2484	2488	rBV	205516	324373	19.63%	3.530%
65	17.479	2488	2492	2496	rVV	290822	433216	26.22%	4.714%
66	17.532	2496	2501	2513	rVV	230983	369585	22.37%	4.022%
67	17.632	2513	2518	2523	rVB4	1858	2737	0.17%	0.030%
68	17.838	2547	2553	2560	rBV	83831	122462	7.41%	1.333%
69	17.902	2560	2564	2567	rVV2	3646	4827	0.29%	0.053%
70	18.073	2591	2593	2599	rBV2	1559	2502	0.15%	0.027%
71	18.308	2630	2633	2636	rVV	7193	8764	0.53%	0.095%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 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-BG123015.M
Title : SVOA CALIBRATION

72	18.355	2636	2641	2651	rVV3	15802	29502	1.79%	0.321%
73	18.508	2661	2667	2677	rVV2	16100	27106	1.64%	0.295%
74	18.613	2677	2685	2688	rVV3	6003	10835	0.66%	0.118%
75	18.649	2688	2691	2696	rVV2	9479	13263	0.80%	0.144%
76	18.748	2702	2708	2714	rVV3	5861	9579	0.58%	0.104%
77	18.807	2714	2718	2721	rVV2	2726	3822	0.23%	0.042%
78	18.848	2721	2725	2731	rVB2	7304	10677	0.65%	0.116%
79	19.483	2828	2833	2839	rVB	40819	59114	3.58%	0.643%
80	19.724	2869	2874	2881	rVV4	2782	6233	0.38%	0.068%
81	19.818	2884	2890	2902	rVV	308285	477670	28.91%	5.198%
82	20.223	2955	2959	2963	rBV	3930	4545	0.28%	0.049%
83	20.711	3032	3042	3045	rBV6	2387	4663	0.28%	0.051%
84	20.817	3056	3060	3064	rBV4	1946	3328	0.20%	0.036%
85	21.322	3142	3146	3149	rBV3	5573	7946	0.48%	0.086%
86	21.416	3159	3162	3166	rBV3	1737	2489	0.15%	0.027%
87	21.569	3184	3188	3193	rVB3	3410	5509	0.33%	0.060%
88	21.704	3204	3211	3218	rBV	254510	409106	24.76%	4.452%
89	21.821	3228	3231	3235	rBV5	1929	2835	0.17%	0.031%
90	22.127	3278	3283	3286	rBV3	2182	3312	0.20%	0.036%
91	22.473	3334	3342	3346	rBV5	3821	7767	0.47%	0.085%
92	23.161	3455	3459	3466	rVB4	5913	10813	0.65%	0.118%
93	23.819	3566	3571	3573	rBV4	1845	2802	0.17%	0.030%
94	23.972	3591	3597	3602	rBV3	6832	14047	0.85%	0.153%
95	24.730	3715	3726	3736	rBV	151119	410718	24.86%	4.469%
96	24.953	3751	3764	3774	rBV2	139632	397780	24.07%	4.328%
97	26.046	3942	3950	3960	rVB4	9039	26245	1.59%	0.286%
98	27.397	4171	4180	4192	rVB6	7989	27521	1.67%	0.299%
99	29.025	4449	4457	4458	rBV	5601	9579	0.58%	0.104%
100	31.011	4784	4795	4798	rBV7	4225	12570	0.76%	0.137%

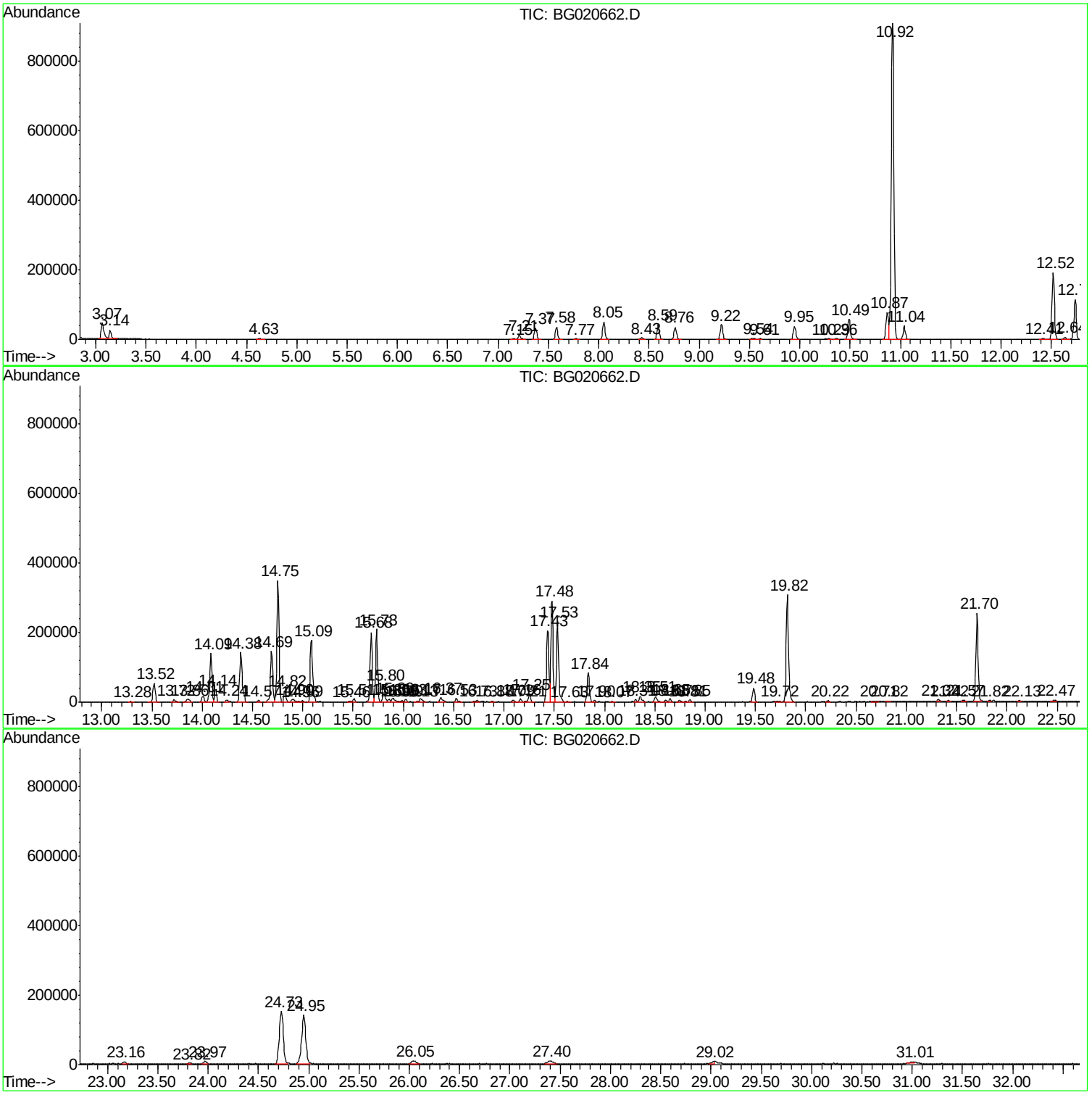
Sum of corrected areas: 9189790

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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\BG010516\
Data File : BG020662.D
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Operator : UM/SJ
Sample : G4846-20
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

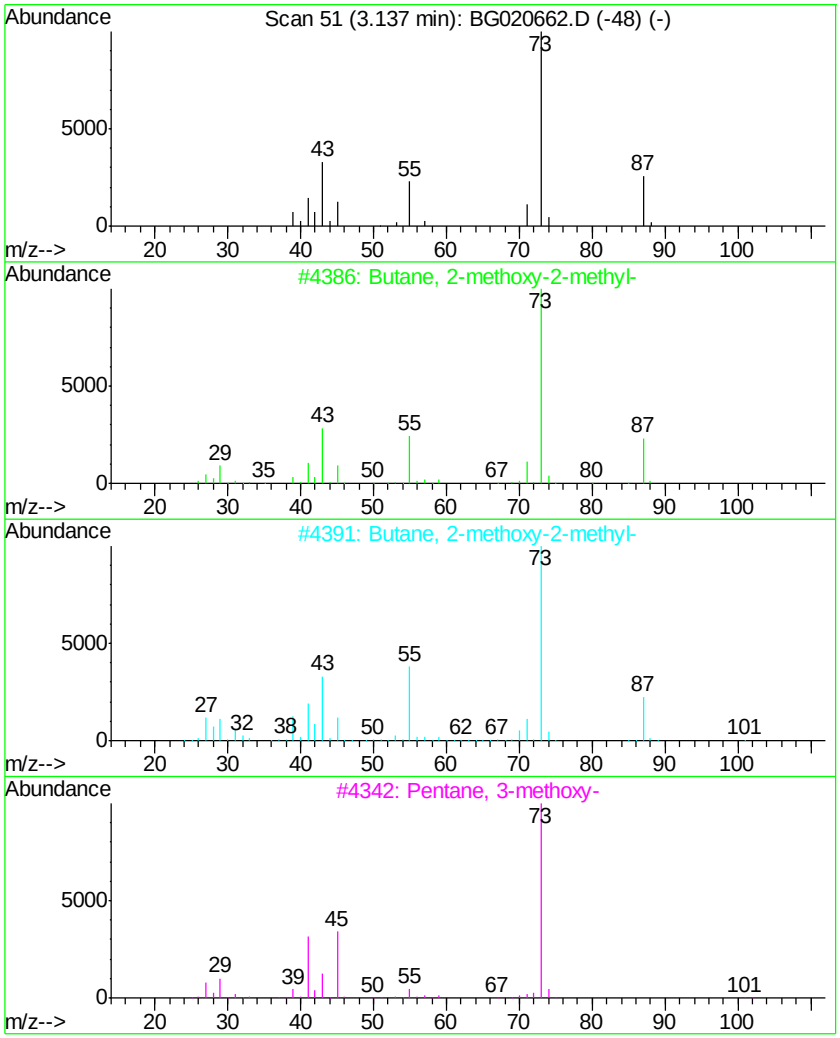
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

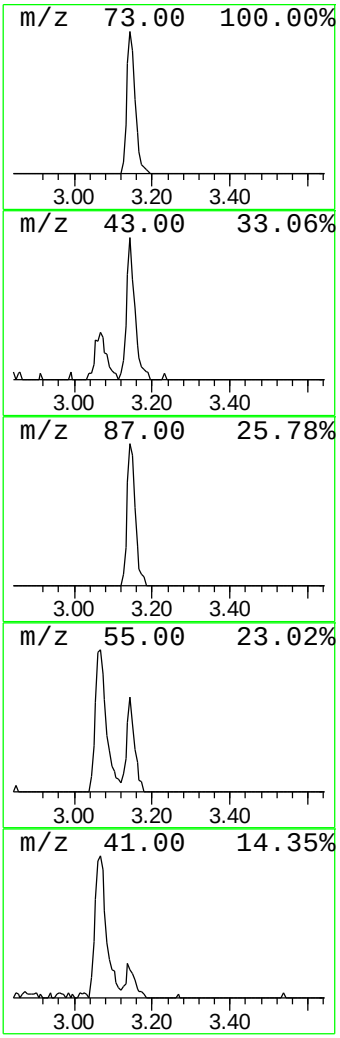
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	8.40 ng/ul	36669	1,4-Dichlorobenzene-d4	8.05

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	25
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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

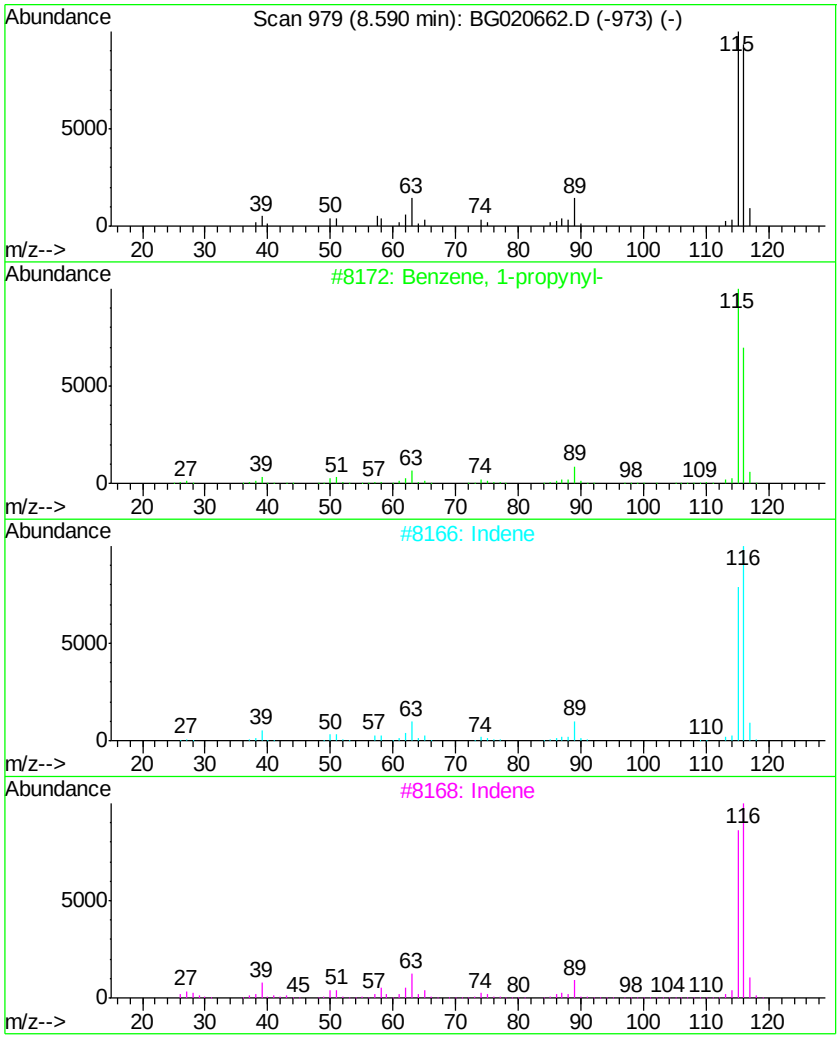
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

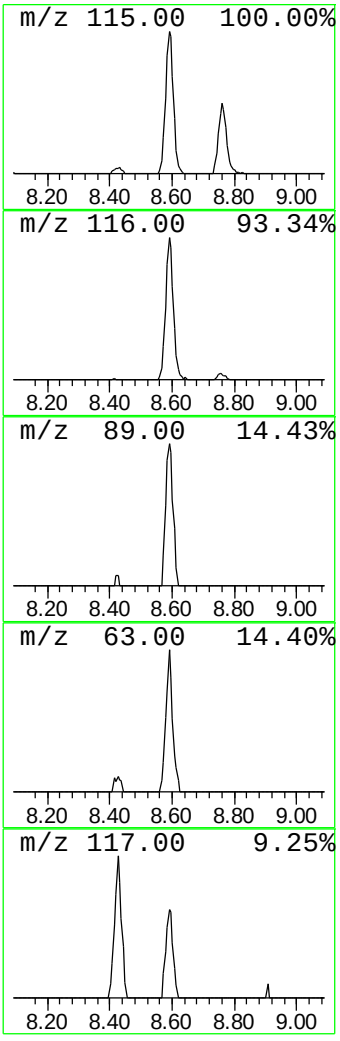
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	16.72 ng/ul	72992	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	93
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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

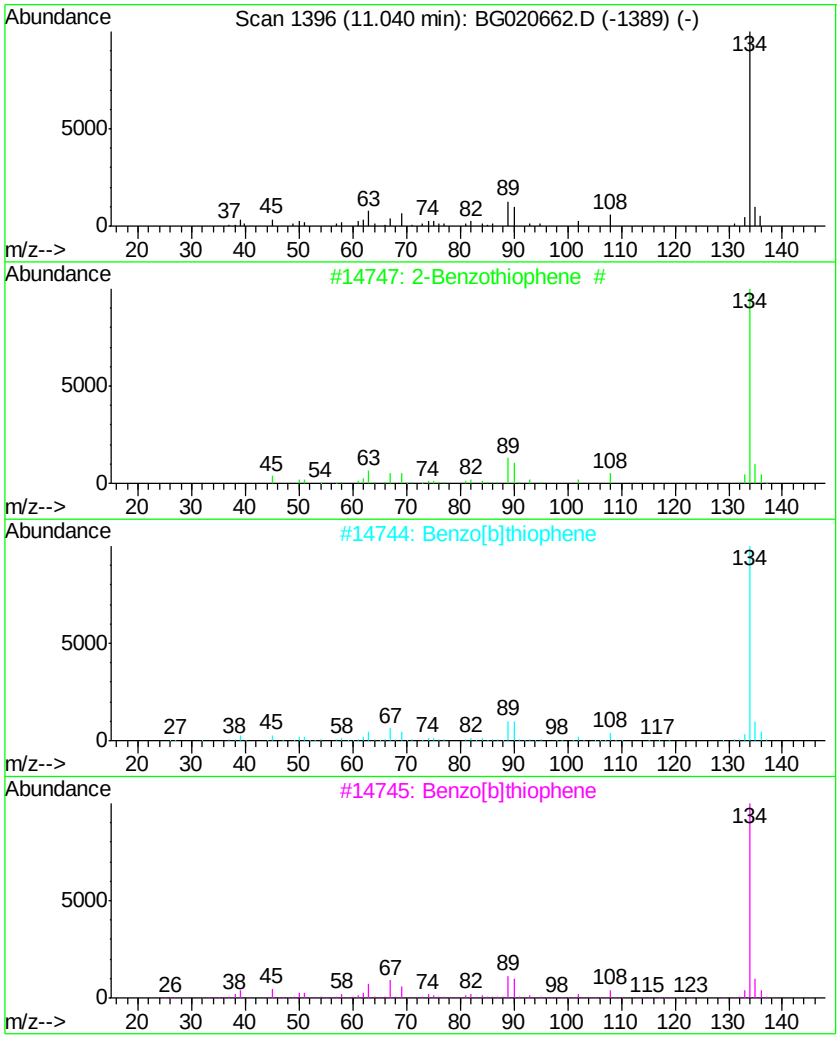
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

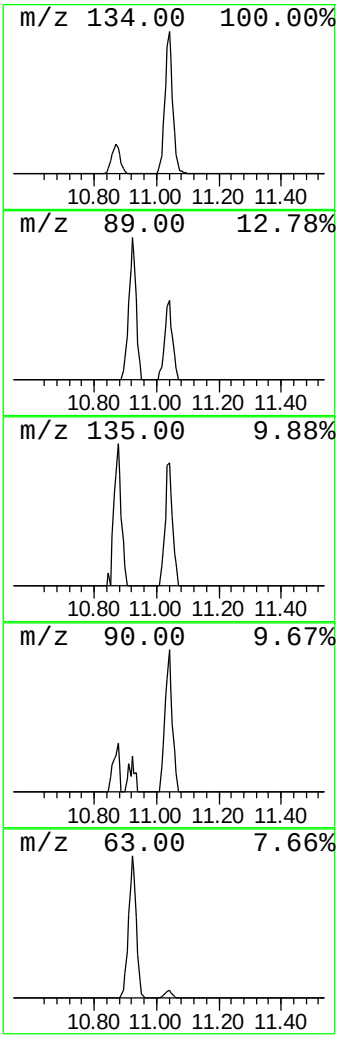
****

Peak Number 4 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	9.01 ng/ul	63572	Naphthalene-d8	10.87

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	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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

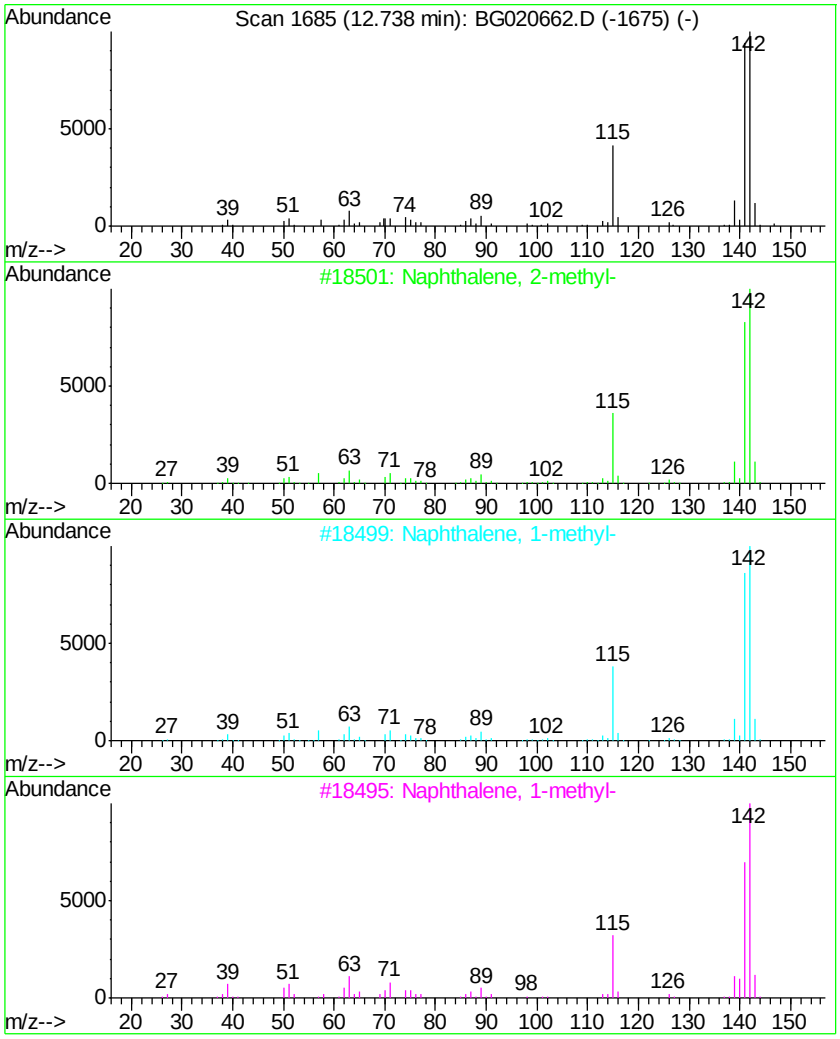
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

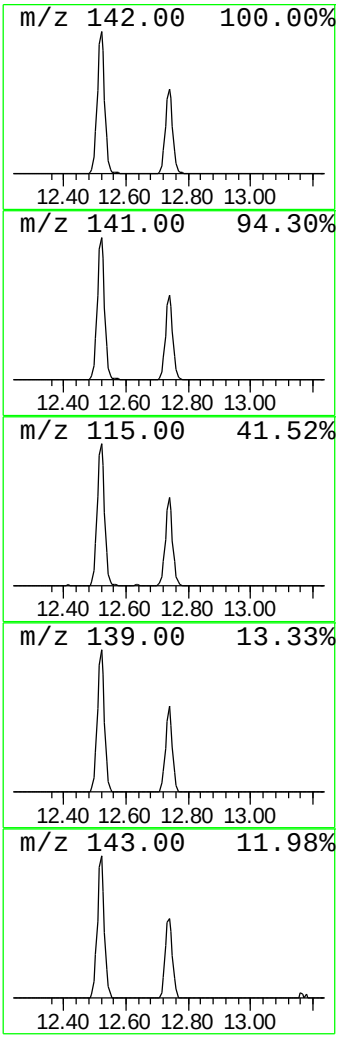
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	27.08 ng/ul	190967	Naphthalene-d8	10.87

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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

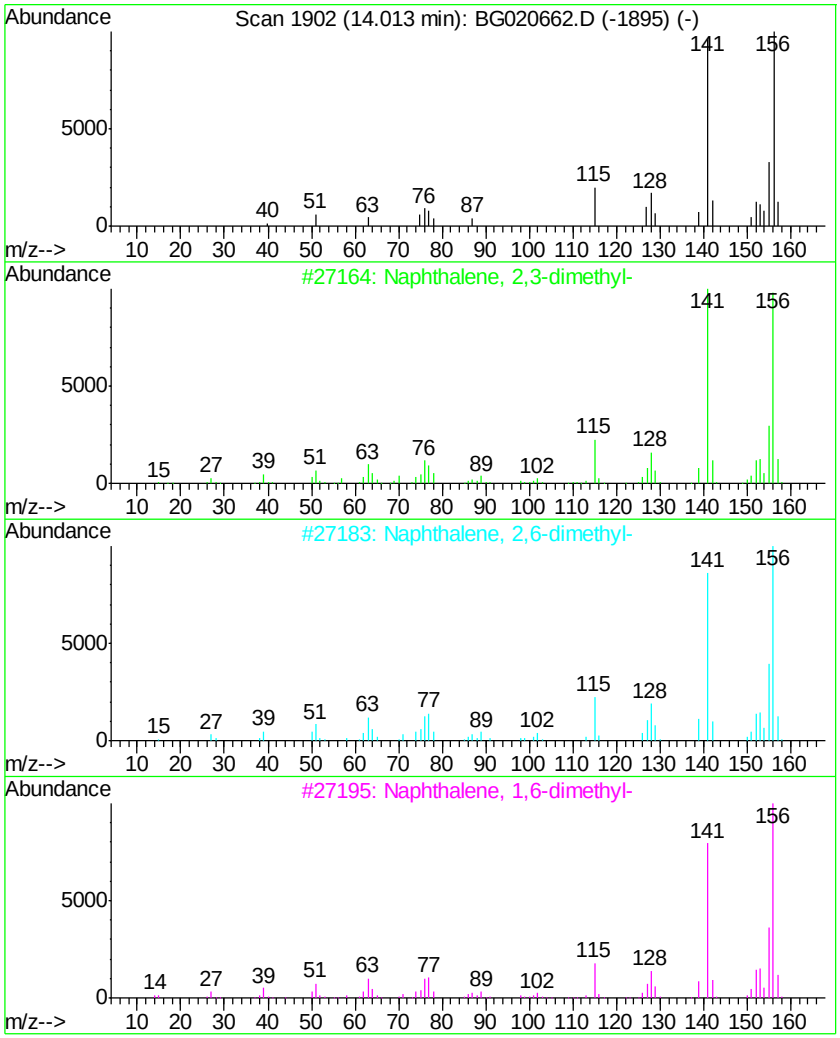
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

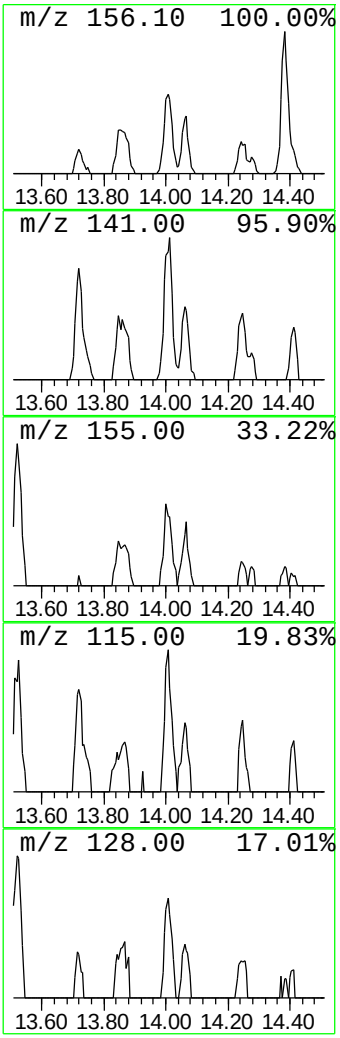
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.39 ng/ul	28701	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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

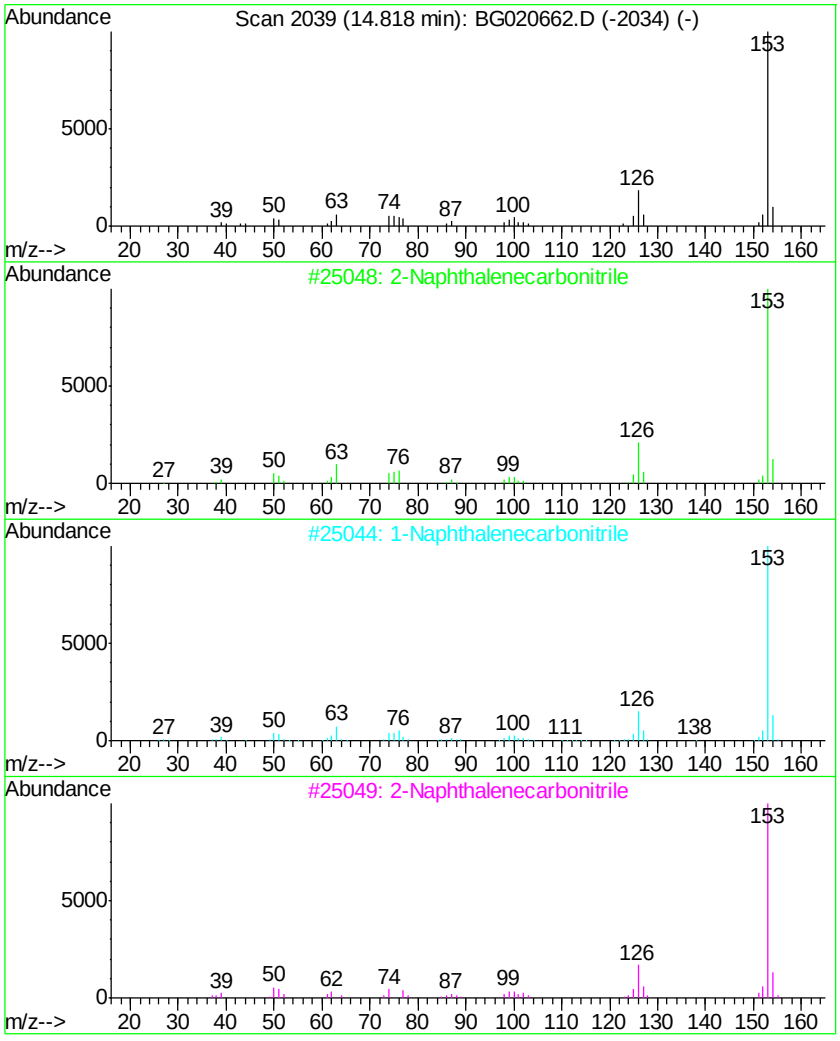
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

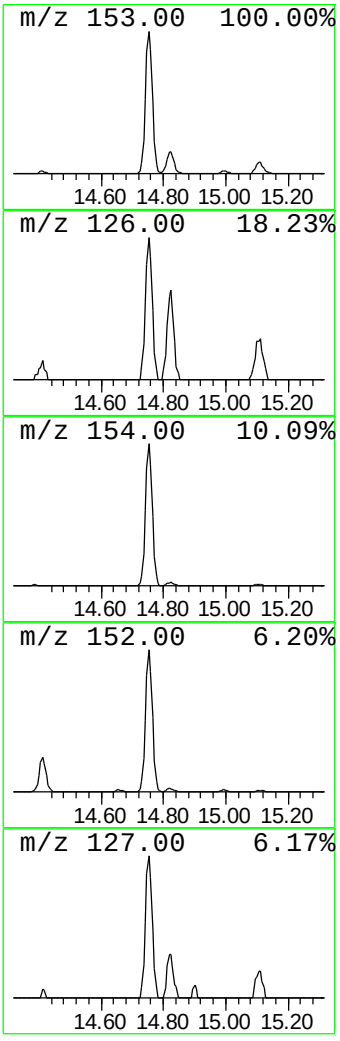
****

Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	4.28 ng/ul	51533	Acenaphthene-d10	14.69

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	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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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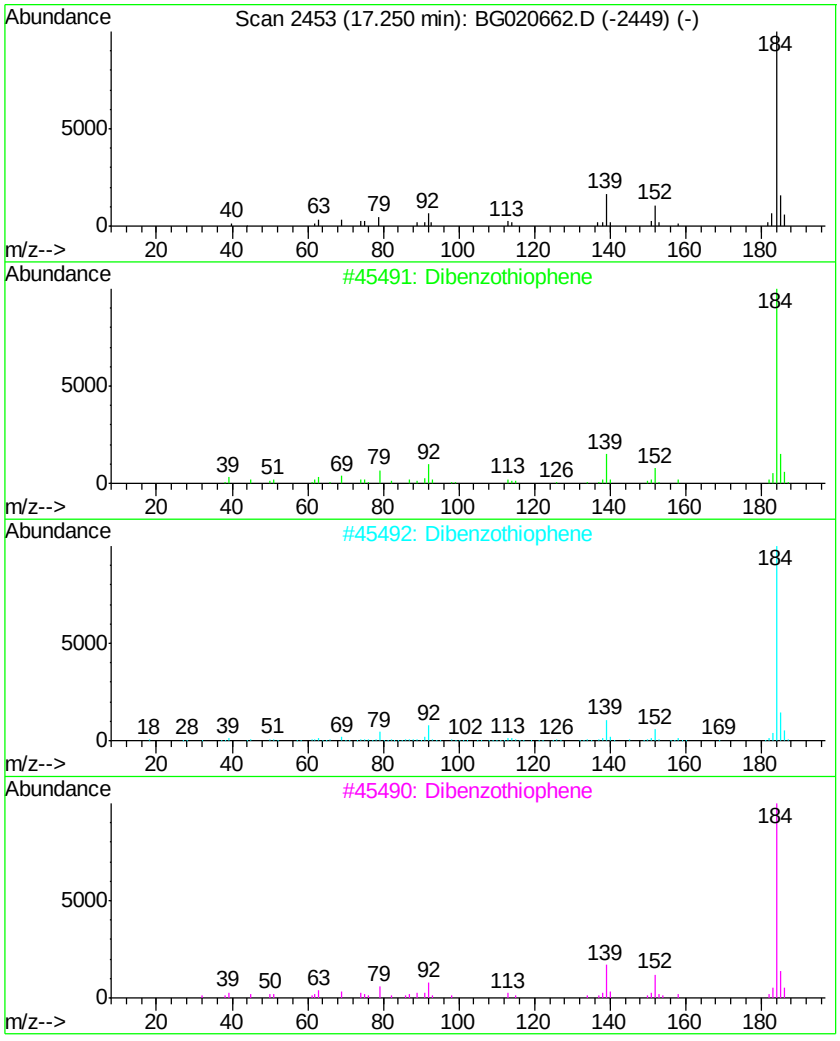
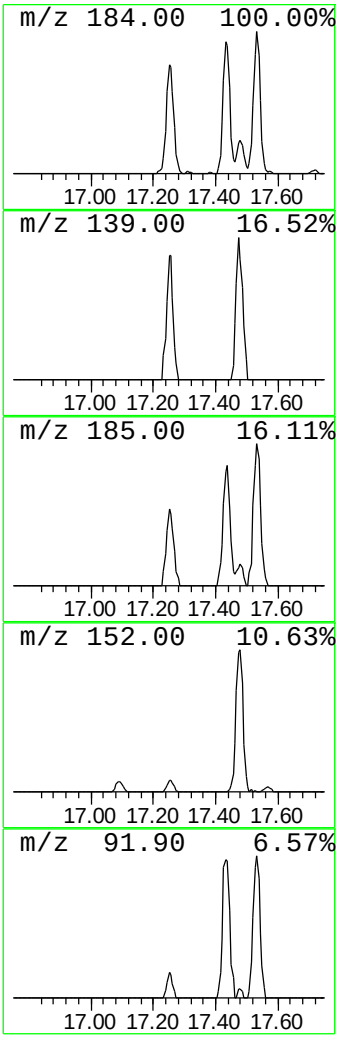
Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.04 ng/ul	33095	Phenanthrene-d10	17.43

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
Data File : BG020662.D
Acq On : 5 Jan 2016 19:41
Operator : UM/SJ
Sample : G4846-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N67

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...	3.14	8.4	ng/ul	36669	1	8.05	87322	20.0
Benzene, 1-propynyl-	8.59	16.7	ng/ul	72992	1	8.05	87322	20.0
2-Benzothiophene #	11.04	9.0	ng/ul	63572	2	10.87	141055	20.0
Naphthalene, 1-me...	12.74	27.1	ng/ul	190967	2	10.87	141055	20.0
Naphthalene, 2,3-...	14.01	2.4	ng/ul	28701	3	14.69	240593	20.0
2-Naphthalenecarb...	14.82	4.3	ng/ul	51533	3	14.69	240593	20.0
Dibenzothiophene	17.25	2.0	ng/ul	33095	4	17.43	324373	20.0