LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	40982	74137	1.96%	0.251%
2	3.143	48	52	61	rVB	31812	45451	1.20%	0.154%
3	7.209	738	744	751	rBV	17128	31385	0.83%	0.106%
4	7.373	766	772	780	rBV	54320	88743	2.35%	0.301%
5	7.579	802	807	815	rVB	57138	97714	2.58%	0.331%
6	8.055	881	888	895	rBV	50360	86079	2.27%	0.292%
7	8.425	945	951	957	rBV2	13542	23155	0.61%	0.079%
8	8.590	971	979	988	rBV	67320	114523	3.03%	0.388%
9	8.760	1002	1008	1017	rBV	53659	90915	2.40%	0.308%
10	9.224	1080	1087	1095	rBV	72510	130884	3.46%	0.444%
11	9.947	1203	1210	1220	rVB	67053	117632	3.11%	0.399%
12	10.258	1258	1263	1268	rBV4	11181	26826	0.71%	0.091%
13	10.358	1274	1280	1284	rBV4	8233	16912	0.45%	0.057%
14	10.493	1296	1303	1313	rBV2	102046	183397	4.85%	0.622%
15	10.875	1360	1368	1370	rBV	72594	131127	3.47%	0.445%
16	10.934	1370	1378	1389	rVV	1949076	3783998	100.00%	12.835%
17	11.040	1389	1396	1406	rVB	74776	131030	3.46%	0.444%
18	11.698	1501	1508	1514	rBB	13069	21073	0.56%	0.071%
19	12.420	1623	1631	1640	rVB2	15718	28445	0.75%	0.096%
20	12.526	1640	1649	1656	rBV	841511	1376086	36.37%	4.667%
21	12.638	1662	1668	1674	rBV	21338	39247	1.04%	0.133%
22	12.744	1674	1686	1696	rVB	482438	826684	21.85%	2.804%
23	13.525	1811	1819	1825	rBV	262009	408728	10.80%	1.386%
24	13.719	1846	1852	1862	rVB	52773	105928	2.80%	0.359%
25	13.860	1866	1876	1885	rBV4	63361	169667	4.48%	0.575%
26	14.007	1895	1901	1906	rVV	116962	208617	5.51%	0.708%
27	14.089	1906	1915	1922	rVV2	240284	453222	11.98%	1.537%
28	14.248	1936	1942	1945	rBV2	47250	73917	1.95%	0.251%
29	14.277	1945	1947	1953	rVB	18409	22643	0.60%	0.077%
30	14.383	1958	1965	1969	rBV	231120	426082	11.26%	1.445%
31	14.659	2007	2012	2014	rBV	58370	86386	2.28%	0.293%
32	14.694	2014	2018	2023	rVV2	143157	231656	6.12%	0.786%
33	14.765	2023	2030	2035	rVV	1611779	2651986	70.08%	8.995%
34	14.823	2035	2040	2047	rVV	180618	279087	7.38%	0.947%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	14.894	2047	2052	2059	rVV4	20109	41993	1.11%	0.142%
36	15.000	2065	2070	2074	rVV	36704	59224	1.57%	0.201%
37	15.094	2078	2086	2094	rVV	871259	1457217	38.51%	4.943%
38	15.176	2094	2100	2106	rVB3	28296	55033	1.45%	0.187%
39	15.294	2114	2120	2126	rBV4	12061	22681	0.60%	0.077%
40	15.358	2126	2131	2139	rVV4	8842	18530	0.49%	0.063%
41	15.681	2180	2186	2191	rVV	329335	525589	13.89%	1.783%
42	15.740	2191	2196	2203	rVV	1164391	1771825	46.82%	6.010%
43	15.811	2203	2208	2213	rVV3	92540	174834	4.62%	0.593%
44	15.858	2213	2216	2219	rVV	64344	97573	2.58%	0.331%
45	15.899	2219	2223	2228	rVV2	78792	138466	3.66%	0.470%
46	15.946	2228	2231	2234	rVV4	24239	38460	1.02%	0.130%
47	15.987	2234	2238	2241	rVV2	37707	59173	1.56%	0.201%
48	16.028	2241	2245	2253	rVB	73514	106288	2.81%	0.361%
49	16.169	2253	2269	2279	rBV3	90259	222155	5.87%	0.754%
50	16.263	2281	2285	2291	rVB2	12480	19021	0.50%	0.065%
51	16.404	2302	2309	2316	rVB5	14461	27590	0.73%	0.094%
52	16.527	2324	2330	2337	rBV	69986	101186	2.67%	0.343%
53	16.692	2354	2358	2360	rBV3	26172	39181	1.04%	0.133%
54	16.733	2362	2365	2370	rVV	51414	78164	2.07%	0.265%
55	16.786	2370	2374	2380	rVB2	21090	33077	0.87%	0.112%
56	16.886	2385	2391	2396	rVB	25152	38655	1.02%	0.131%
57	17.091	2421	2426	2432	rVB	22786	39478	1.04%	0.134%
58	17.256	2449	2454	2461	rVB	176987	263081	6.95%	0.892%
59	17.438	2478	2485	2488	rVV	212441	363441	9.60%	1.233%
60	17.491	2488	2494	2498	rVV	2087240	3424966	90.51%	11.617%
61	17.538	2498	2502	2506	rVV2	421543	651623	17.22%	2.210%
62	17.573	2506	2508	2512	rVV	139937	157848	4.17%	0.535%
63	17.632	2512	2518	2522	rVV4	22629	44835	1.18%	0.152%
64	17.796	2542	2546	2548	rBV	13666	18780	0.50%	0.064%
65	17.843	2548	2554	2561	rVV	694436	1042561	27.55%	3.536%
66	17.949	2564	2572	2576	rVV5	35788	76795	2.03%	0.260%
67	17.996	2576	2580	2586	rVV2	24213	41994	1.11%	0.142%
68	18.078	2586	2594	2599	rVB6	13429	31455	0.83%	0.107%
69	18.131	2599	2603	2608	rBV7	10148	18007	0.48%	0.061%
70	18.272	2623	2627	2629	rVV	16265	22971	0.61%	0.078%
71	18.308	2629	2633	2637	rVV	70093	100289	2.65%	0.340%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	2637	2641	2648	rVB	191015	277938	7.35%	0.943%
73	18.431	2648	2654	2660	rVB4	28234	48402	1.28%	0.164%
74	18.507	2660	2667	2676	rBV2	198823	358992	9.49%	1.218%
75	18.607	2676	2684	2688	rBV3	63623	108089	2.86%	0.367%
76	18.654	2688	2692	2696	rVV	72263	97115	2.57%	0.329%
77	18.748	2702	2708	2713	rBV2	63990	101043	2.67%	0.343%
78	18.801	2713	2717	2721	rVB2	49266	62860	1.66%	0.213%
79	18.848	2721	2725	2730	rBV	75804	107656	2.85%	0.365%
80	19.318	2796	2805	2810	rBV6	14520	42833	1.13%	0.145%
81	19.365	2810	2813	2818	rVB3	14929	21284	0.56%	0.072%
82	19.483	2826	2833	2840	rVB	558735	793283	20.96%	2.691%
83	19.683	2861	2867	2870	rVV4	22727	34795	0.92%	0.118%
84	19.730	2871	2875	2884	rVV3	19195	39655	1.05%	0.135%
85	19.818	2884	2890	2893	rVV	541016	847511	22.40%	2.875%
86	19.847	2893	2895	2902	rVV	336349	424198	11.21%	1.439%
87	19.912	2902	2906	2914	rVB4	9848	17310	0.46%	0.059%
88	20.035	2921	2927	2935	rBV2	18087	30409	0.80%	0.103%
89	20.223	2954	2959	2964	rVB	113685	149206	3.94%	0.506%
90	20.282	2964	2969	2975	rBV	38437	66311	1.75%	0.225%
91	20.335	2975	2978	2983	rVB	20667	26175	0.69%	0.089%
92	20.435	2990	2995	3000	rVB	24383	35573	0.94%	0.121%
93	20.934	3076	3080	3091	rVB2	11482	24347	0.64%	0.083%
94	21.287	3134	3140	3143	rBV4	10935	18632	0.49%	0.063%
95	21.704	3203	3211	3218	rBV2	298726	520226	13.75%	1.765%
96	22.121	3276	3282	3289	rBV	26858	48938	1.29%	0.166%
97	22.338	3313	3319	3325	rBV2	10621	23370	0.62%	0.079%
98	24.735	3714	3727	3737	rBV2	264948	722523	19.09%	2.451%
99	24.953	3752	3764	3776	rVB2	142486	403352	10.66%	1.368%
100	26.046	3943	3950	3961	rVB4	8170	23032	0.61%	0.078%

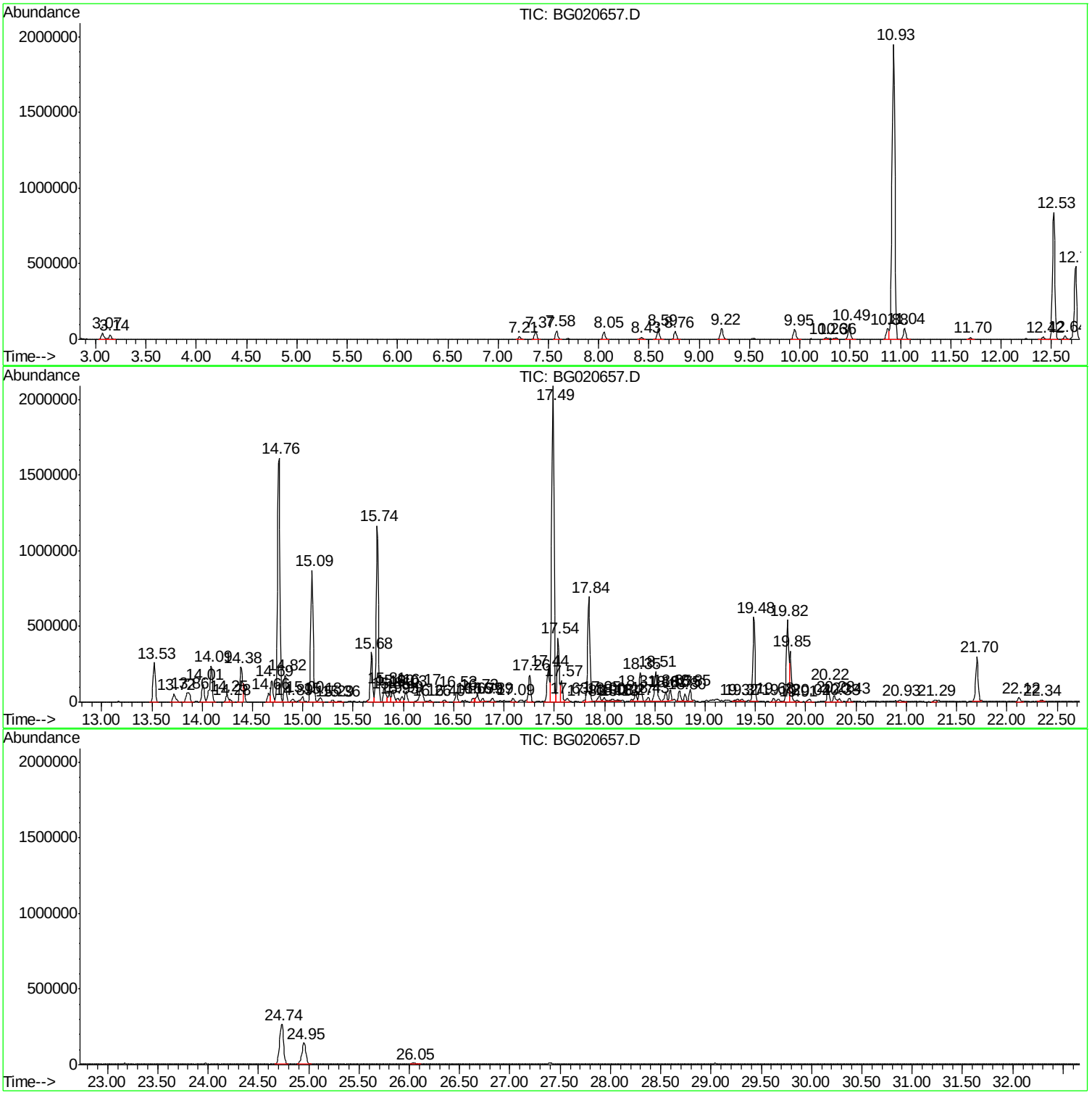
Sum of corrected areas: 29482459

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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 : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

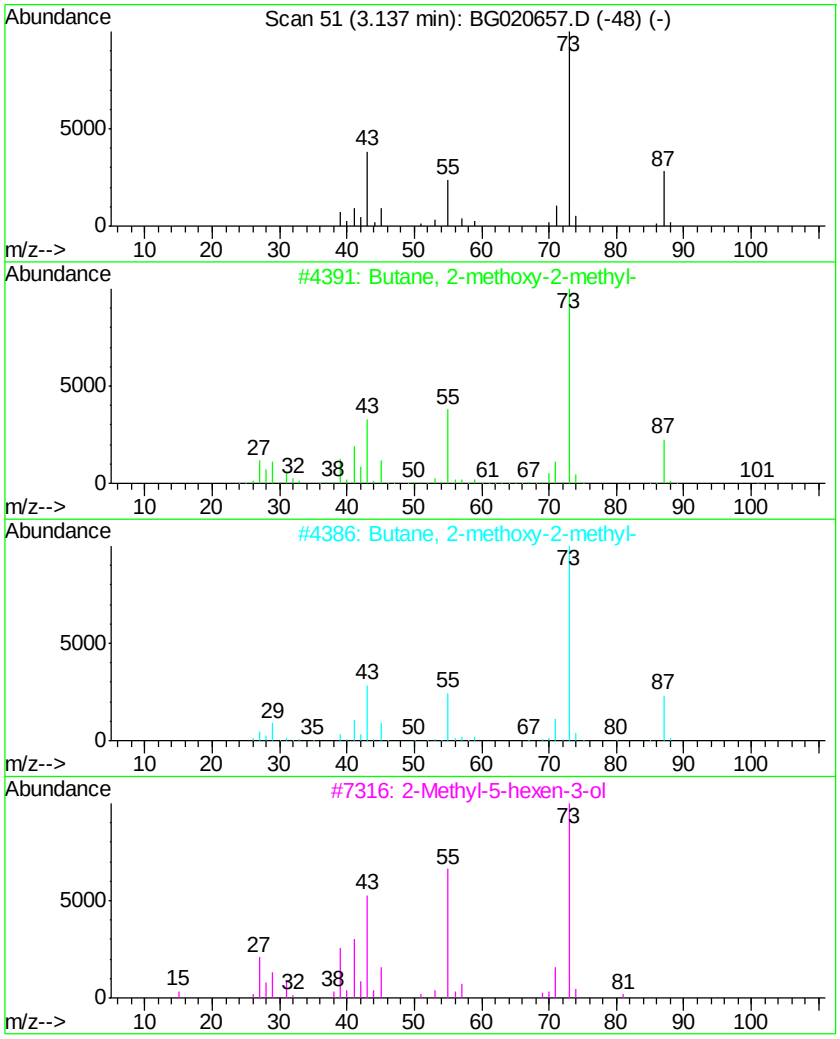
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

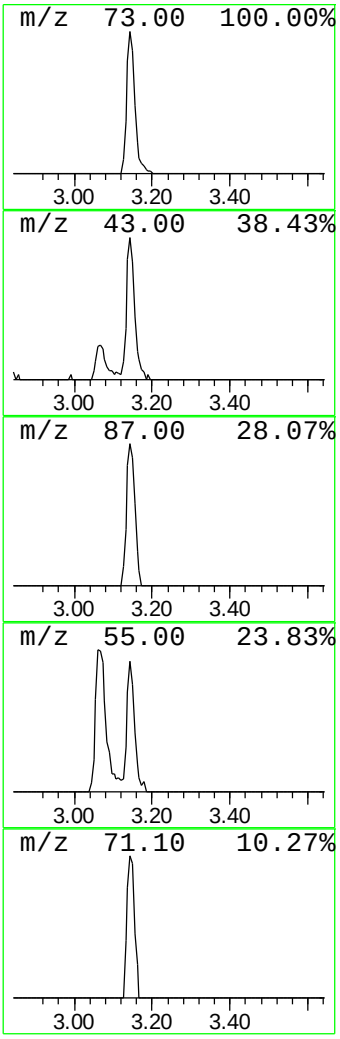
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	10.56 ng/ul	45451	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

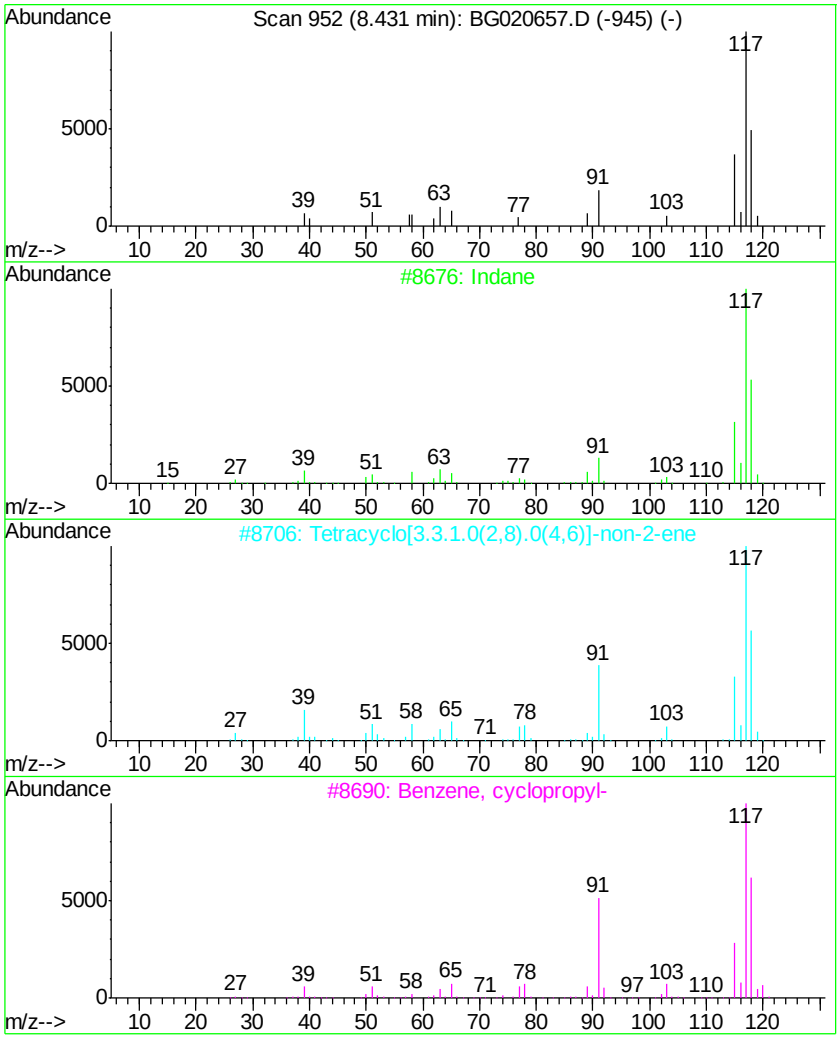
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

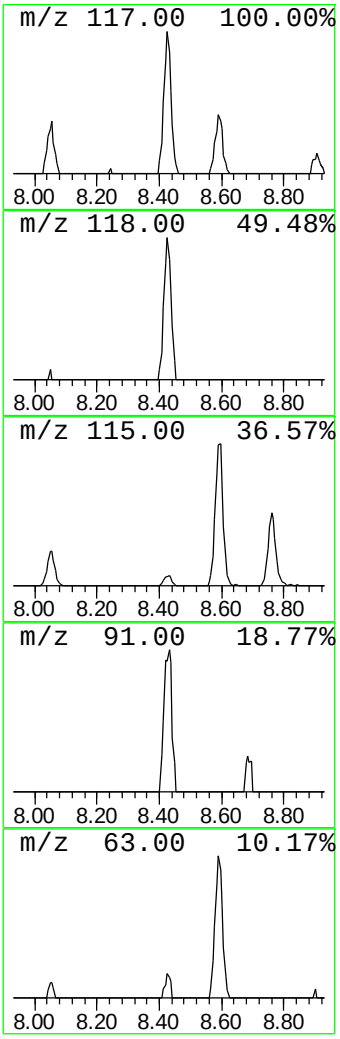
****

Peak Number 3 Indane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	5.38 ng/ul	23155	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Deltacyclene	118	C9H10	007785-10-6	59
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

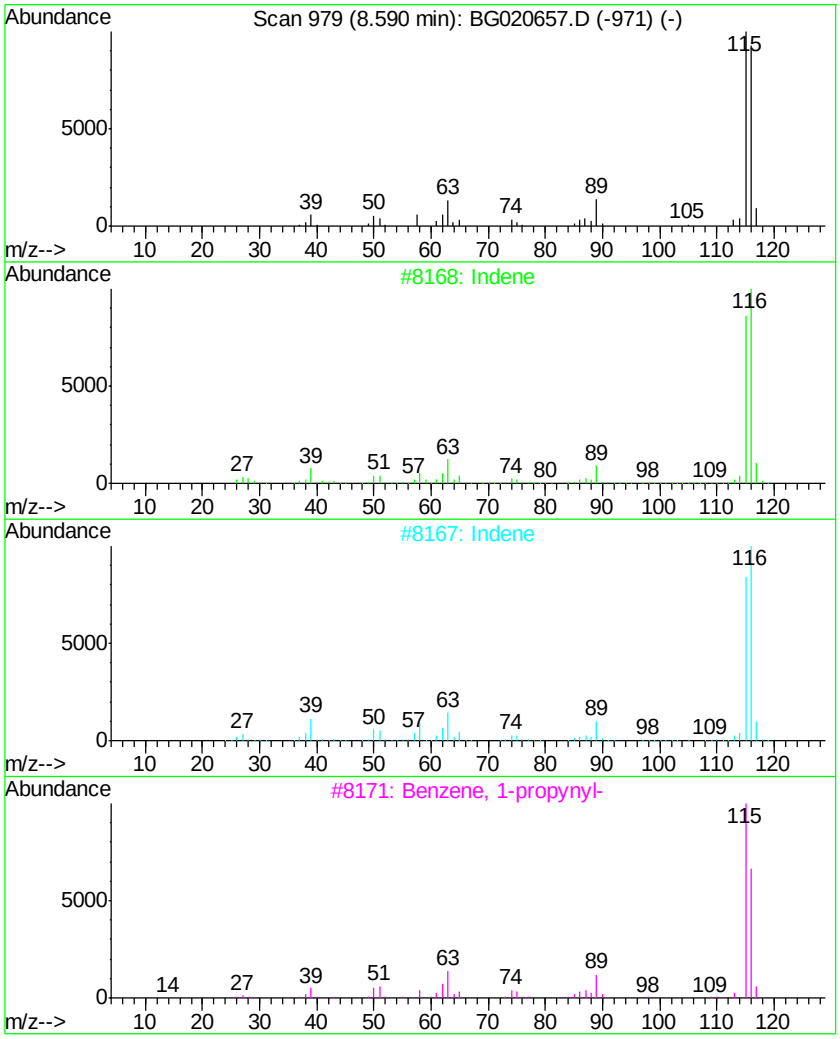
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

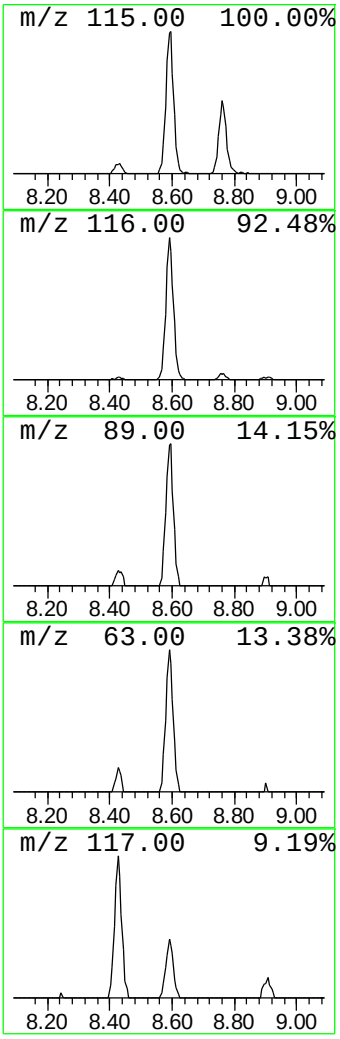
****

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	26.61 ng/ul	114523	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

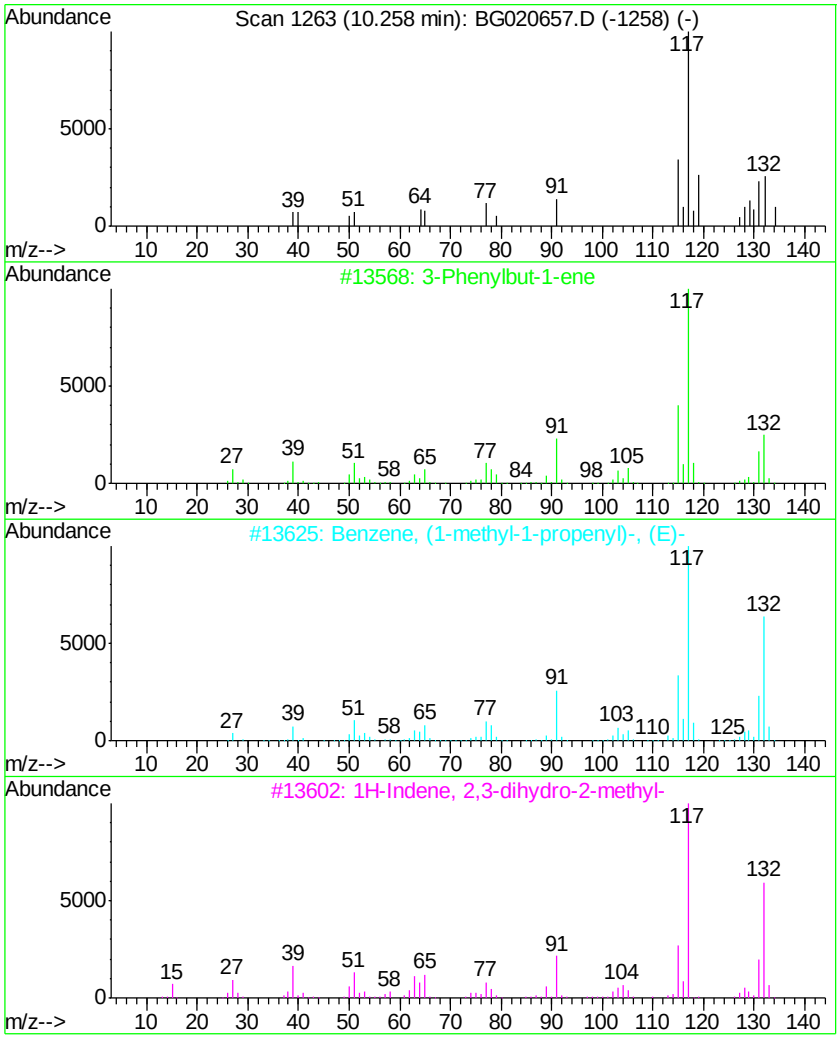
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

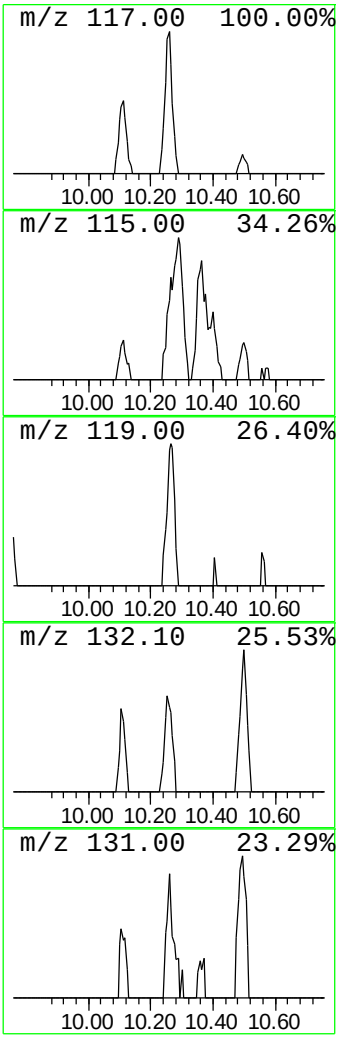
****

Peak Number 5 3-Phenylbut-1-ene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	4.09 ng/ul	26826	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	58
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	58
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	58
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	52
5	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

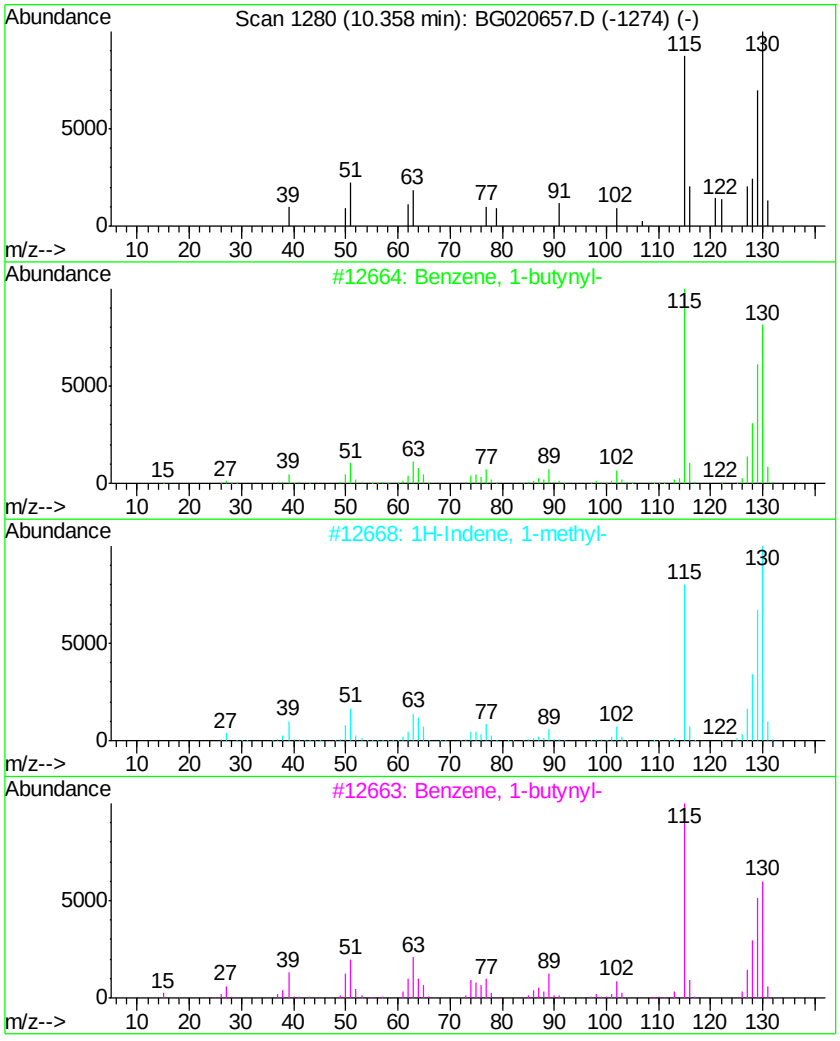
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

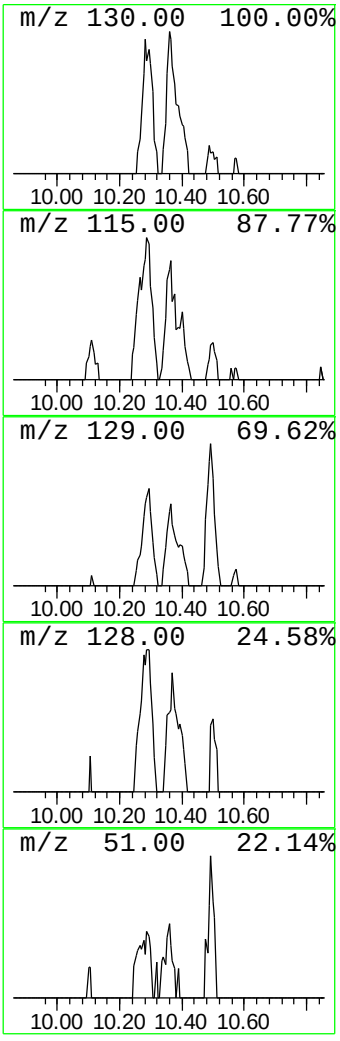
****

Peak Number 6 Benzene, 1-butynyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.58 ng/ul	16912	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	74
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	70
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	59
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	58
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

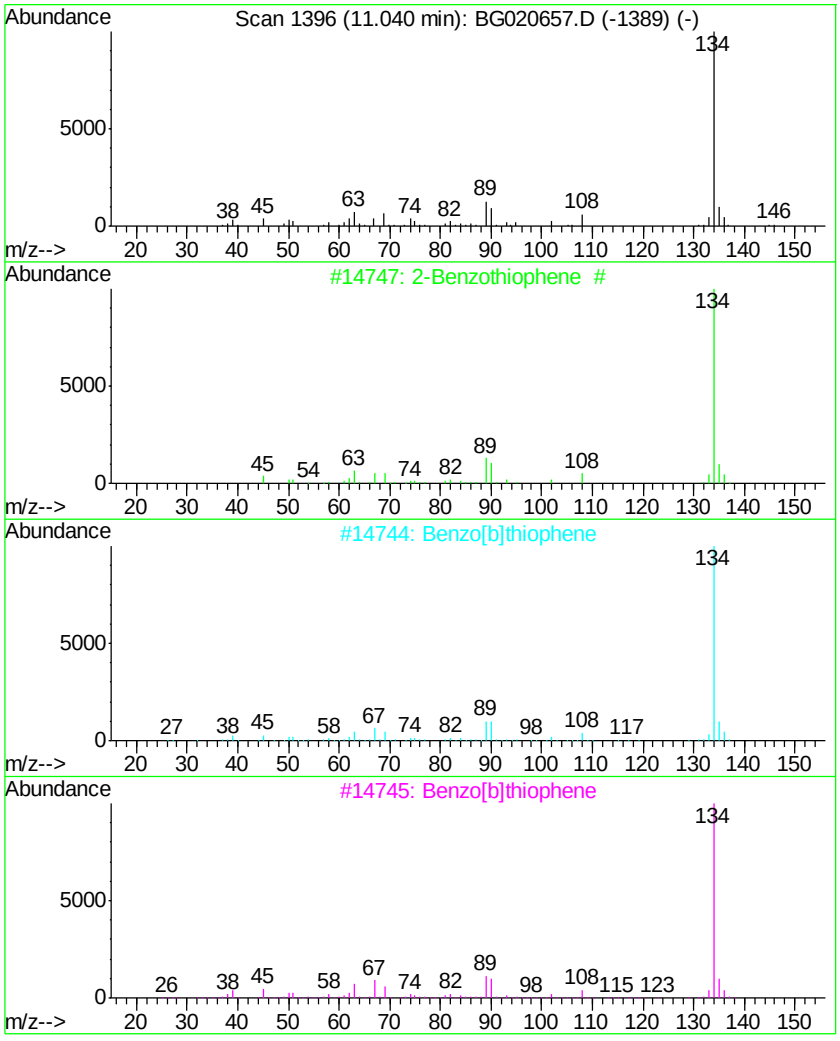
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

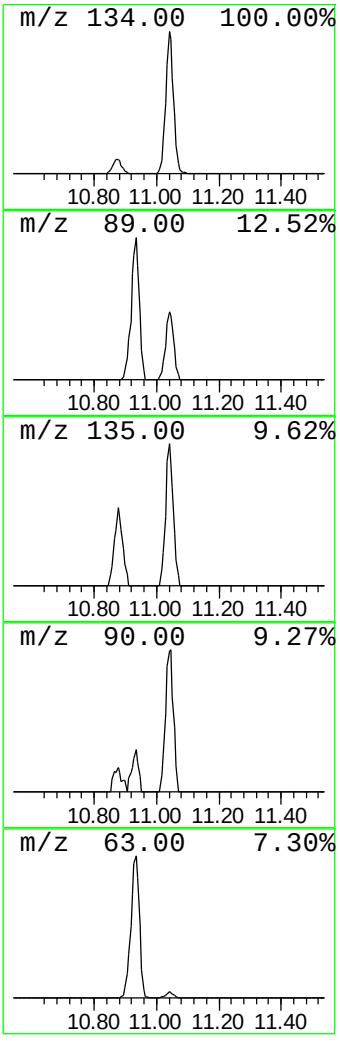
****

Peak Number 7 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	19.99 ng/ul	131030	Naphthalene-d8	10.88

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	91
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

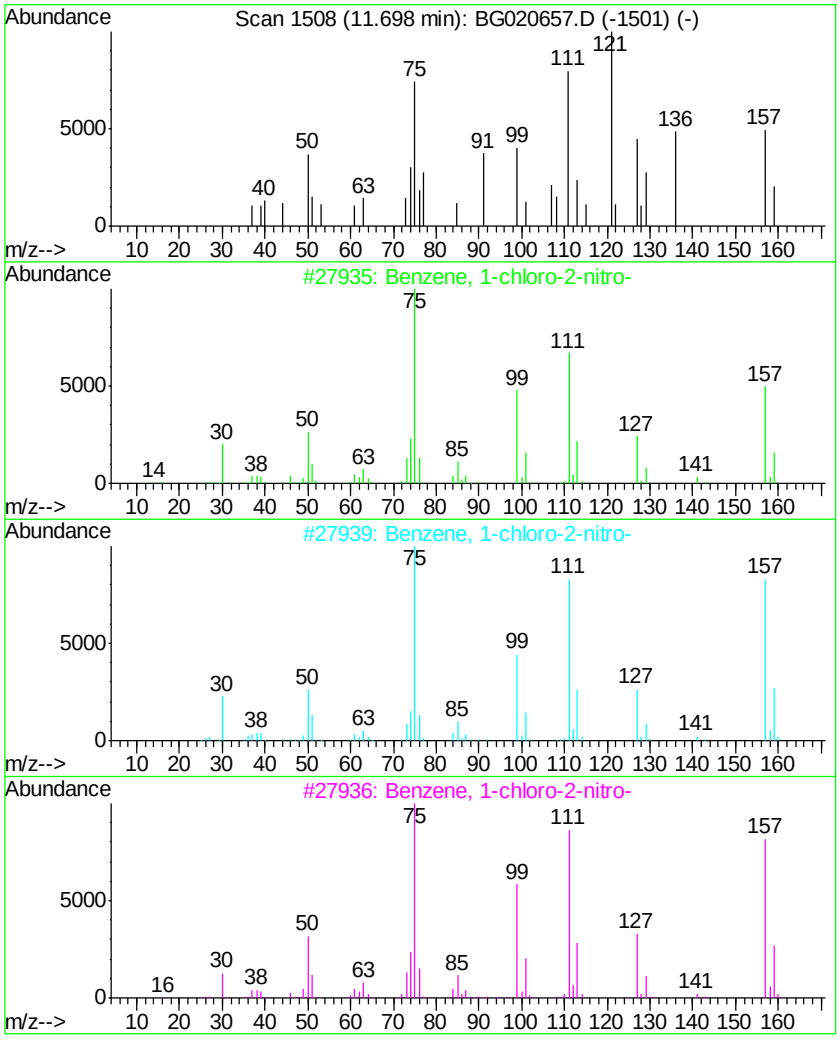
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

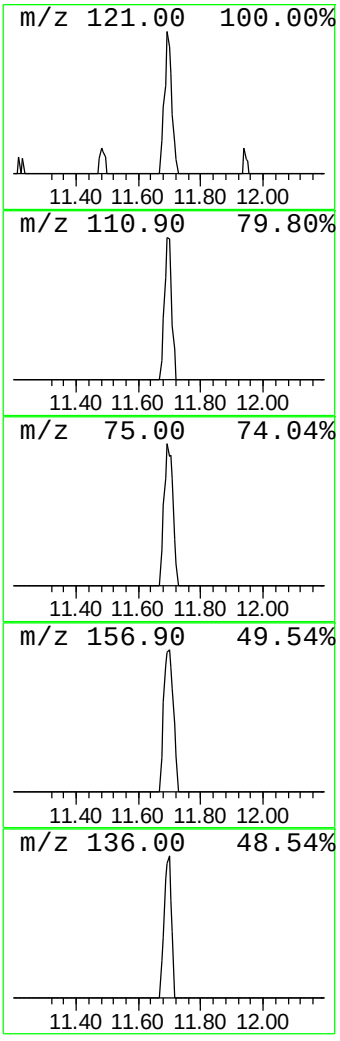
****

Peak Number 8 Benzene, 1-chloro-2-nitro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	3.21 ng/ul	21073	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	55
2	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	53
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	50
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	49
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

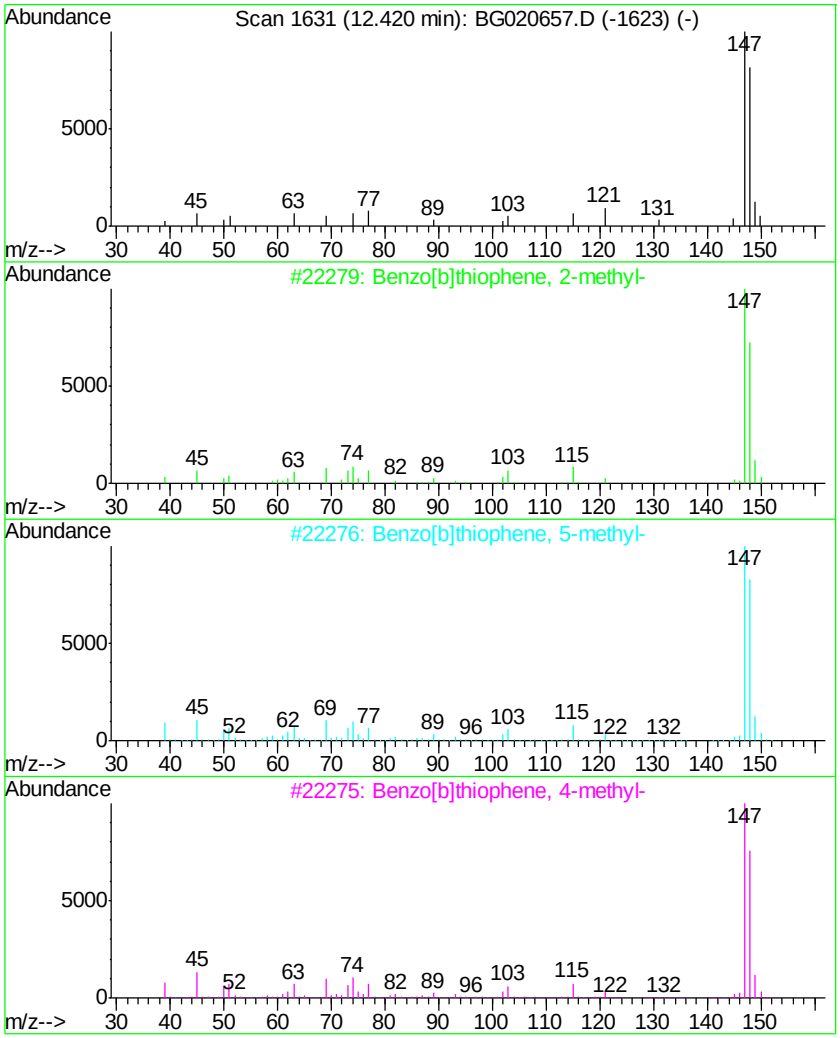
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

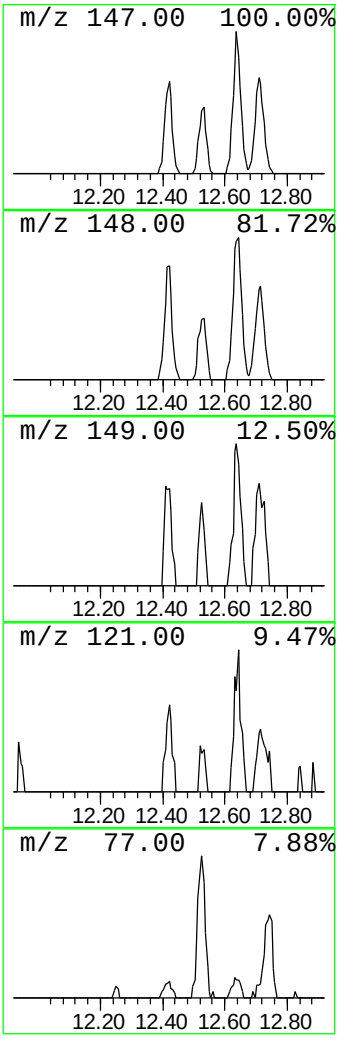
****

Peak Number 9 Benzo[b]thiophene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.34 ng/ul	28445	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

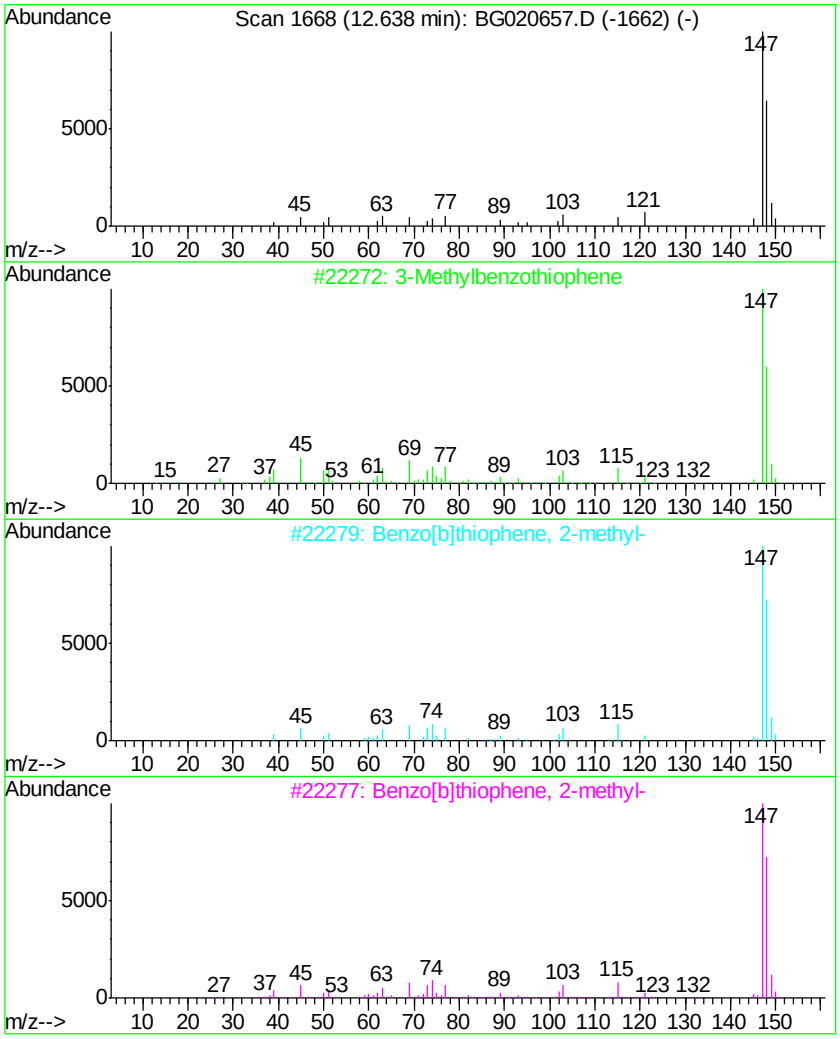
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

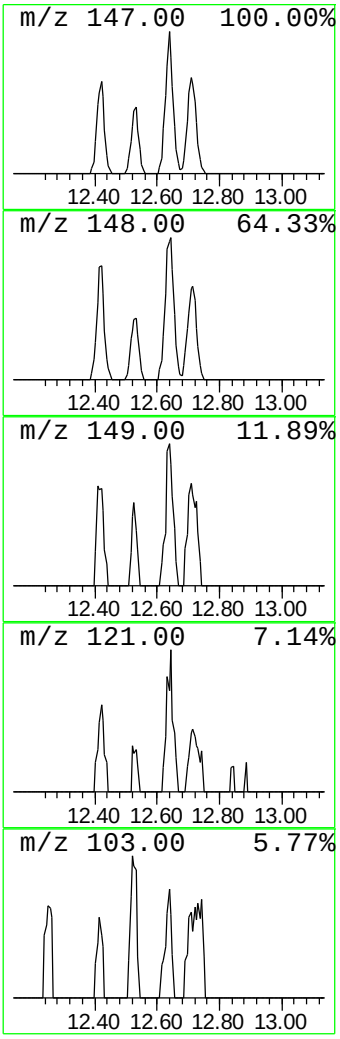
****

Peak Number 10 3-Methylbenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.99 ng/ul	39247	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	78
5	Pyridine, 4-(1-pyrrolidinyl)-	148	C9H12N2	002456-81-7	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

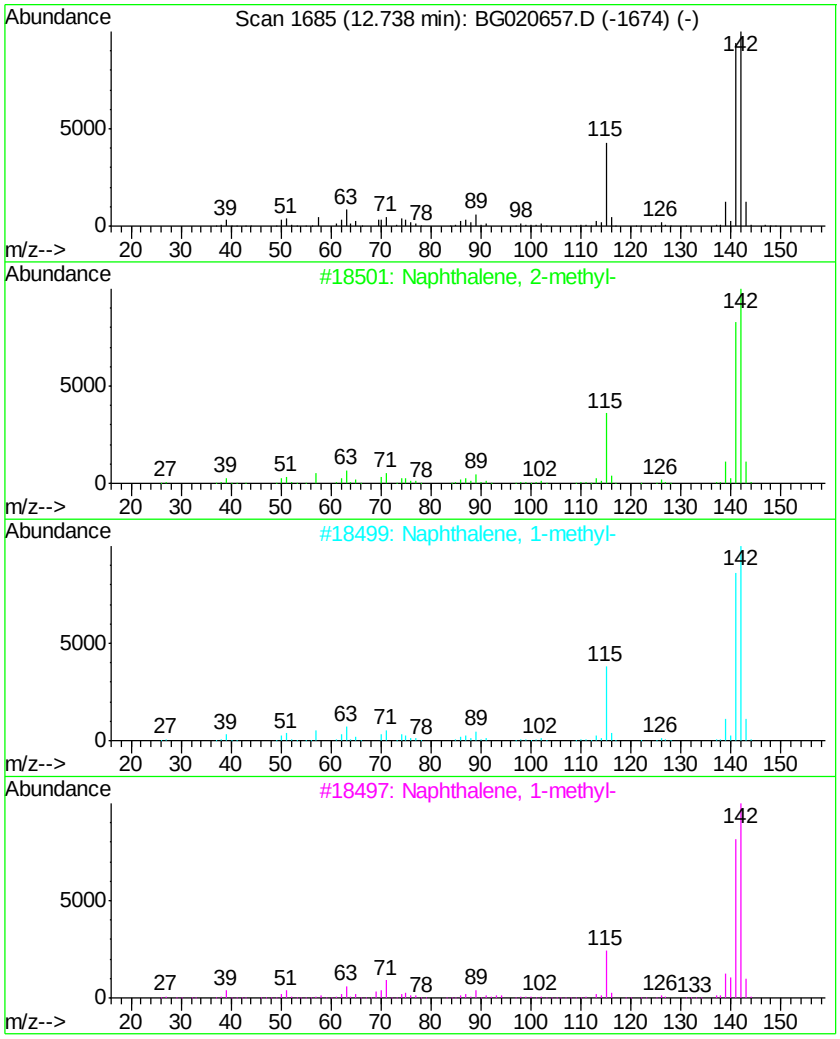
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

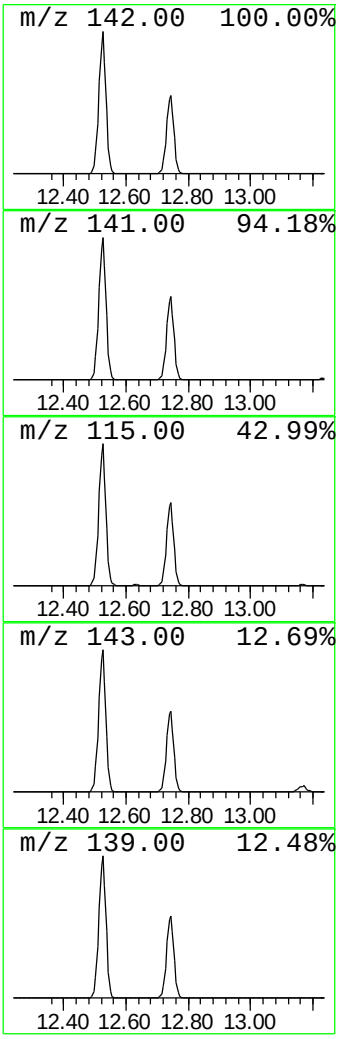
****

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	126.09 ng/ul	826684	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

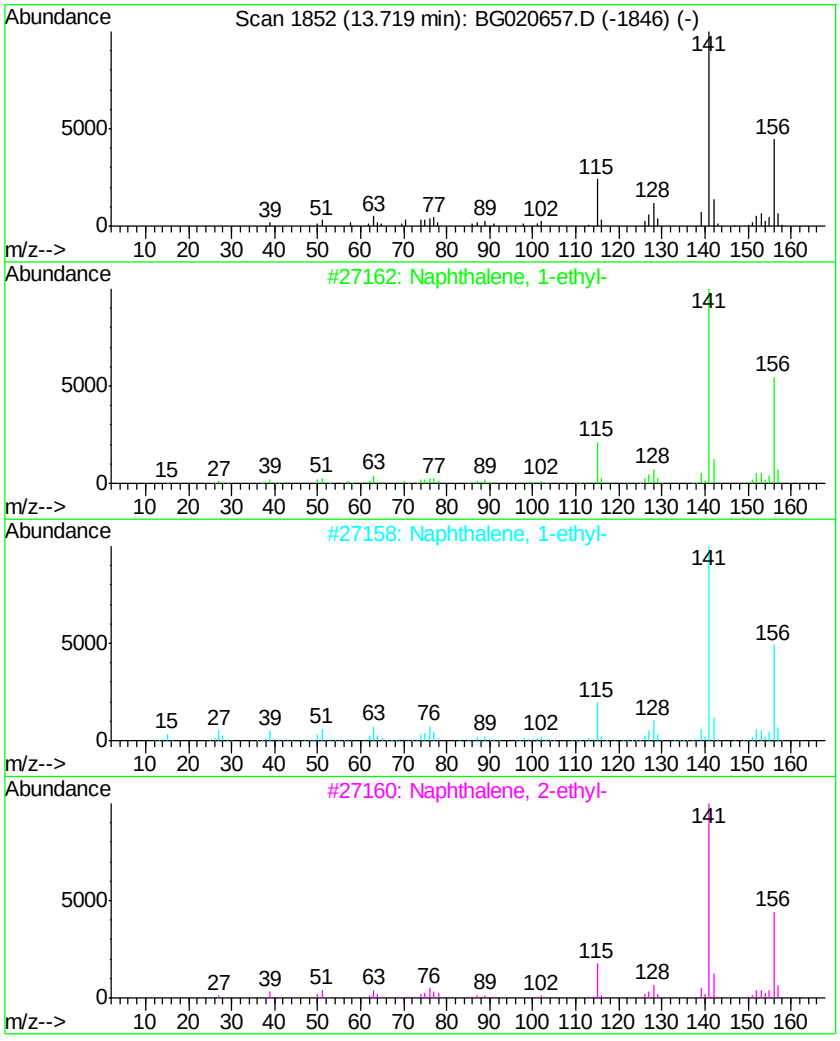
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

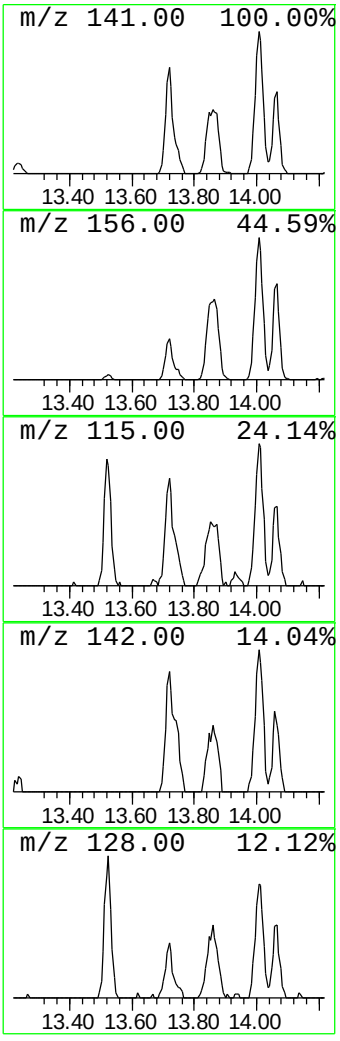
****

Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.15 ng/ul	105928	Acenaphthene-d10	14.69

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	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

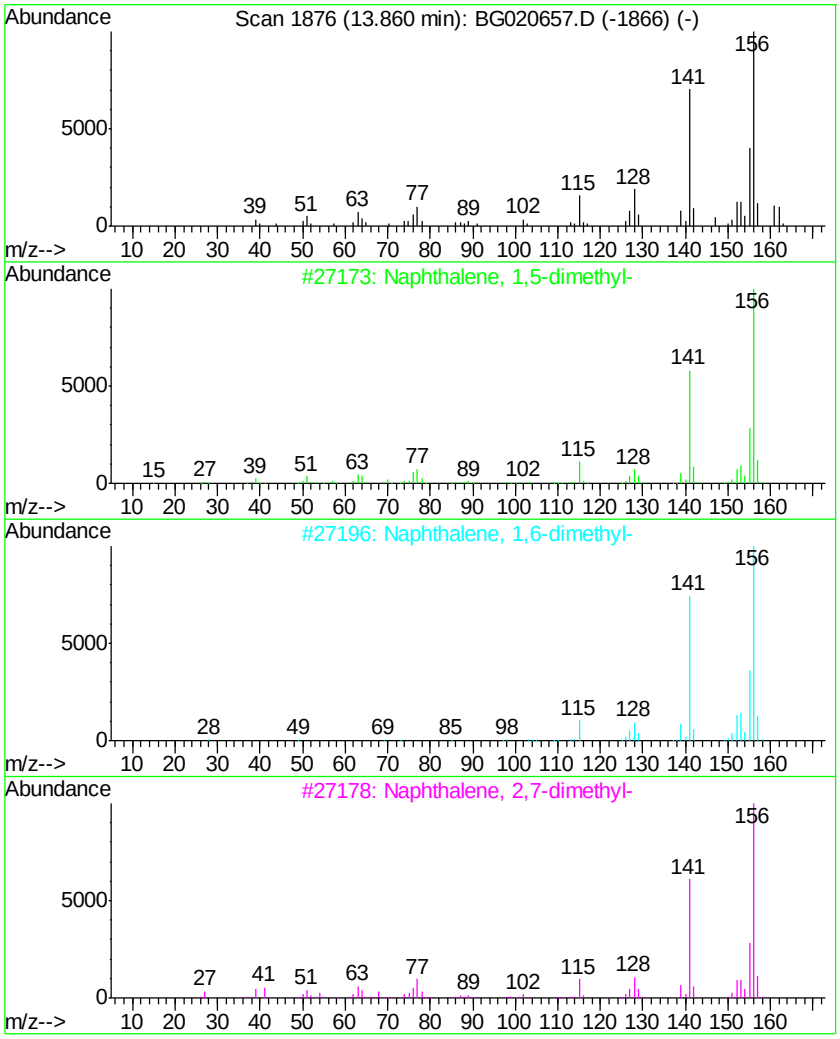
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

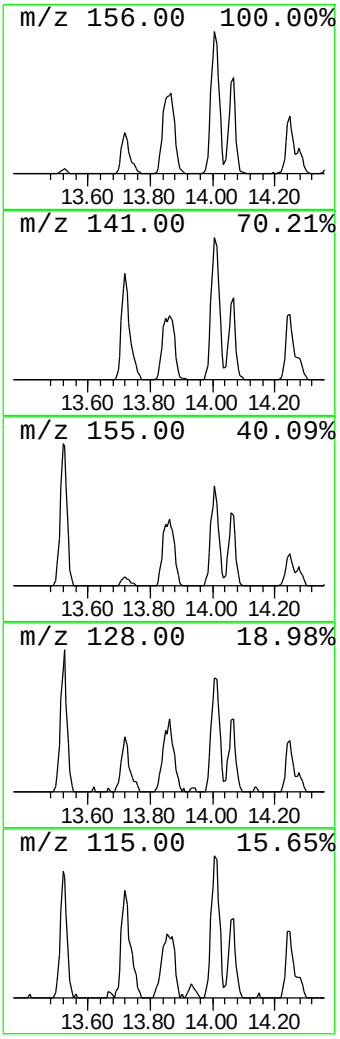
****

Peak Number 13 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	14.65 ng/ul	169667	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

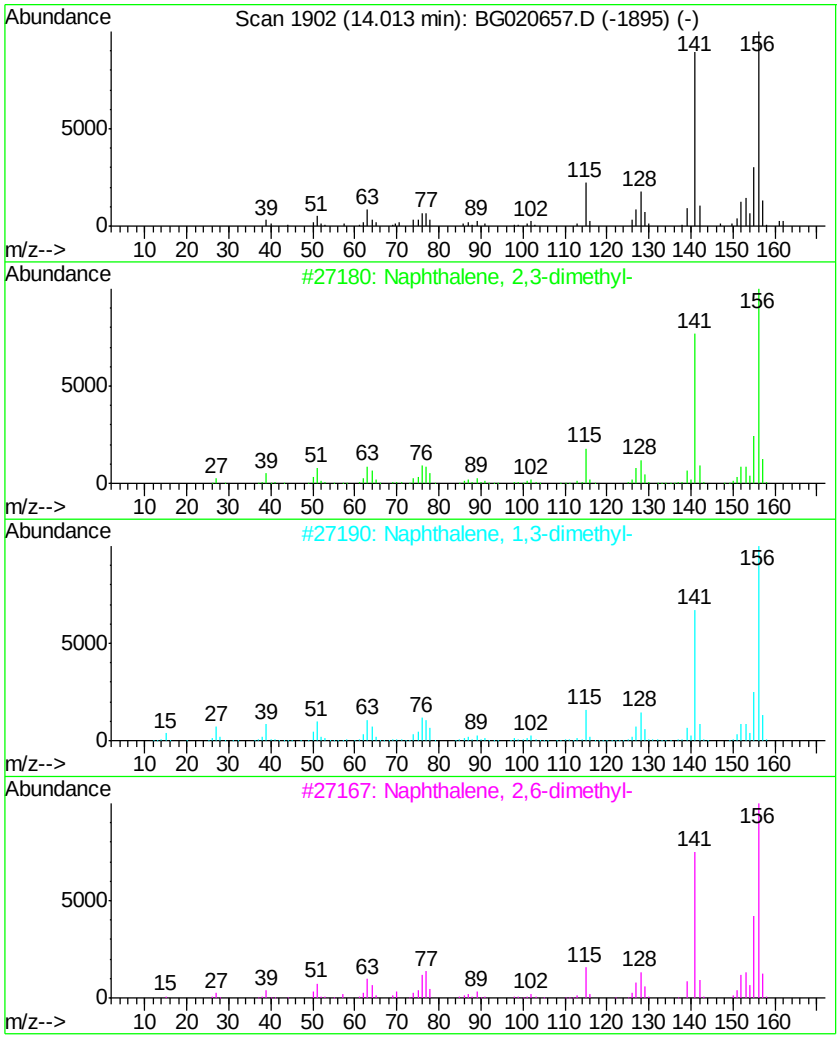
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

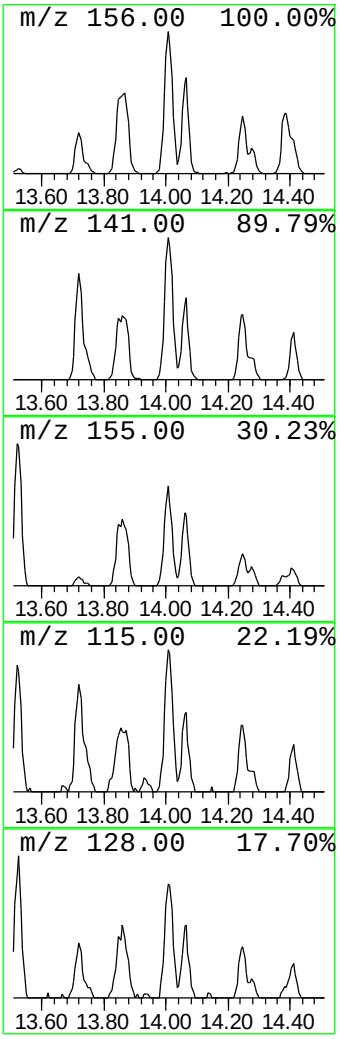
****

Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	18.01 ng/ul	208617	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, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

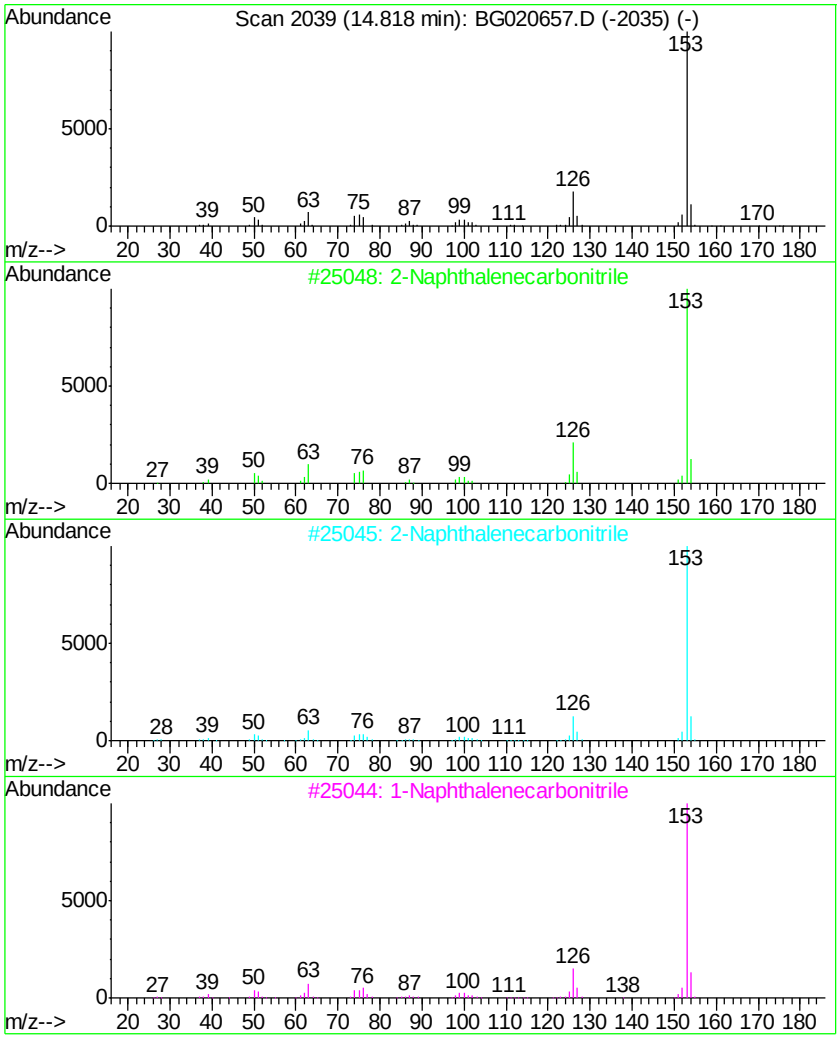
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

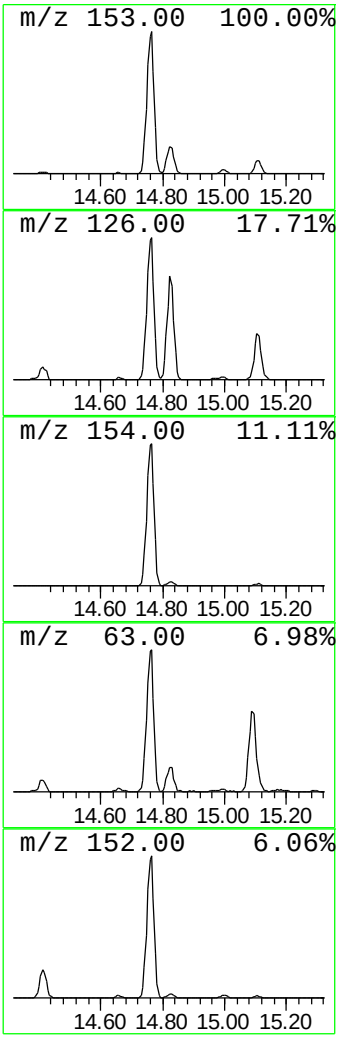
****

Peak Number 16 2-Naphthalenecarbonitrile Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	24.10 ng/ul	279087	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

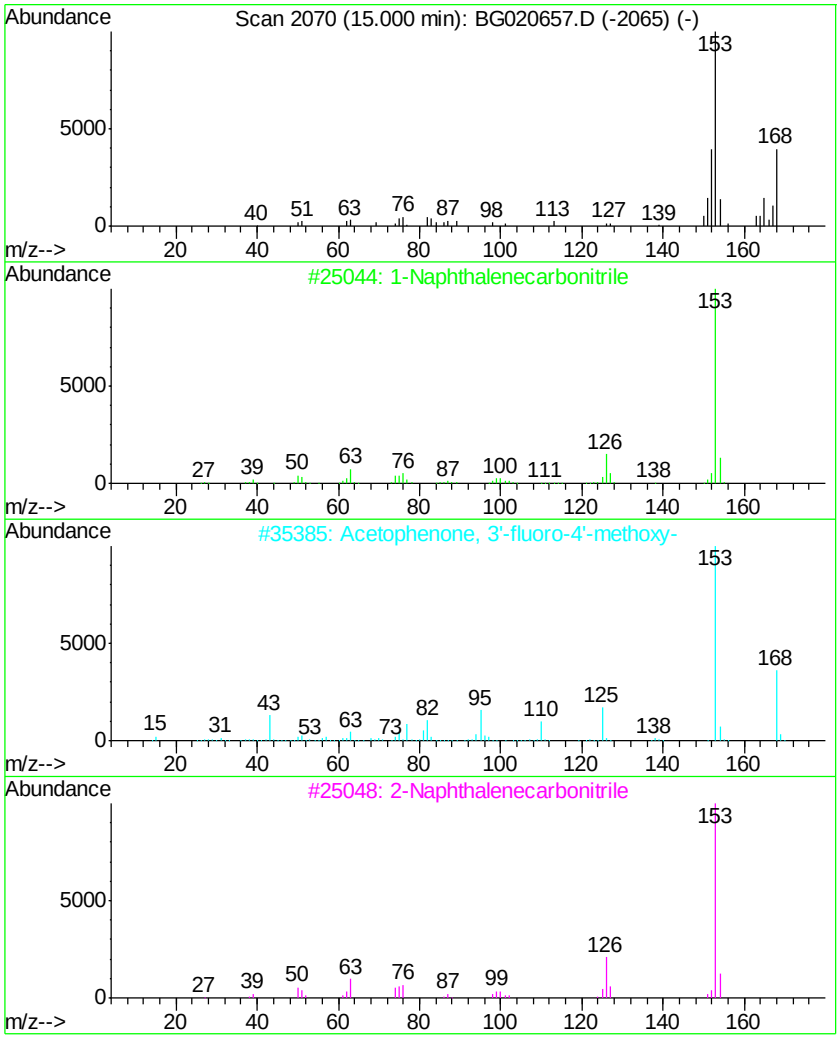
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

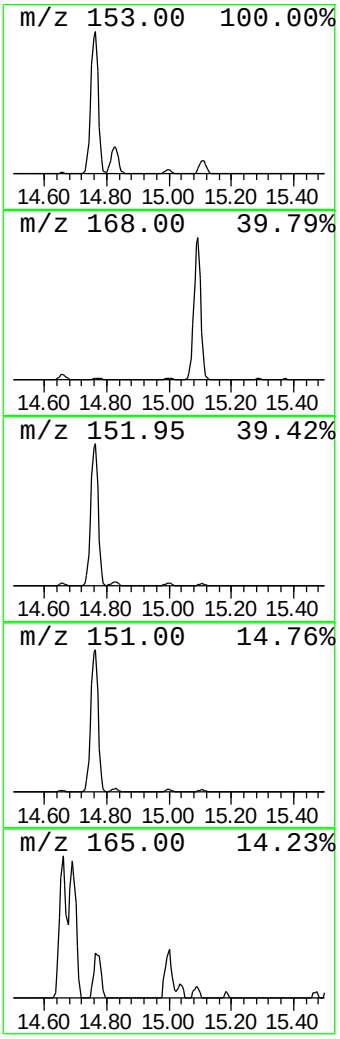
****

Peak Number 17 1-Naphthalenecarbonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.11 ng/ul	59224	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	35
2	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	28
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	25
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	25
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

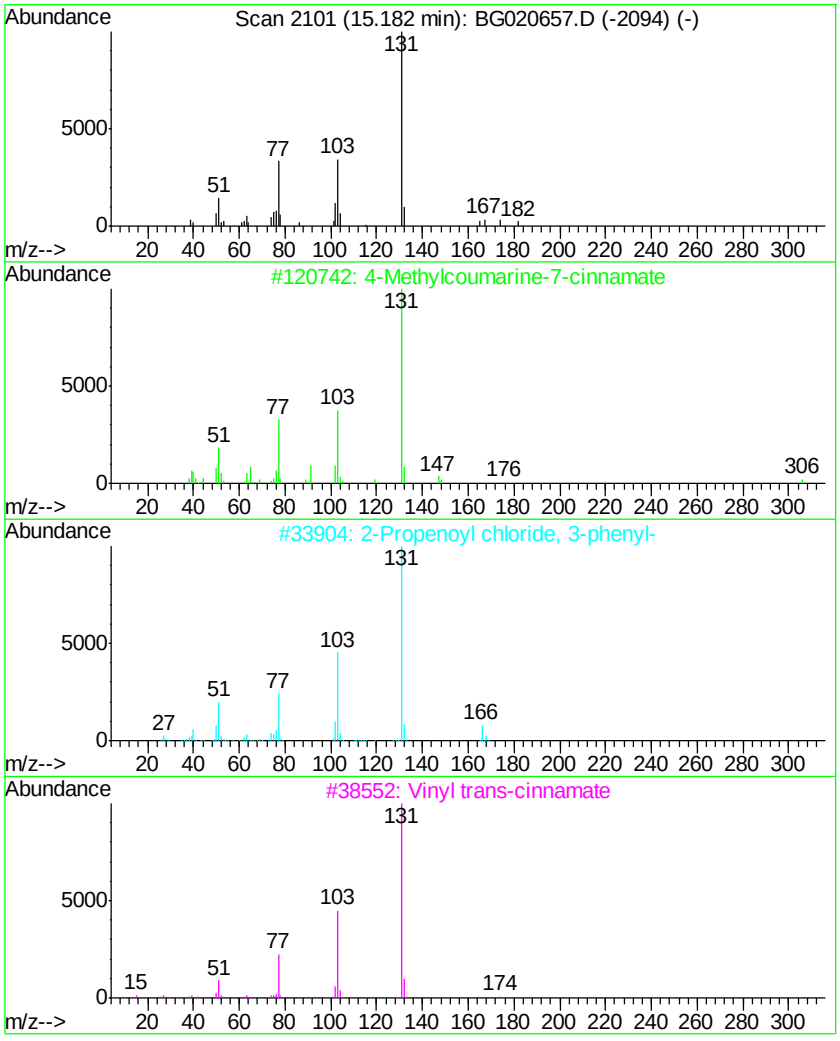
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

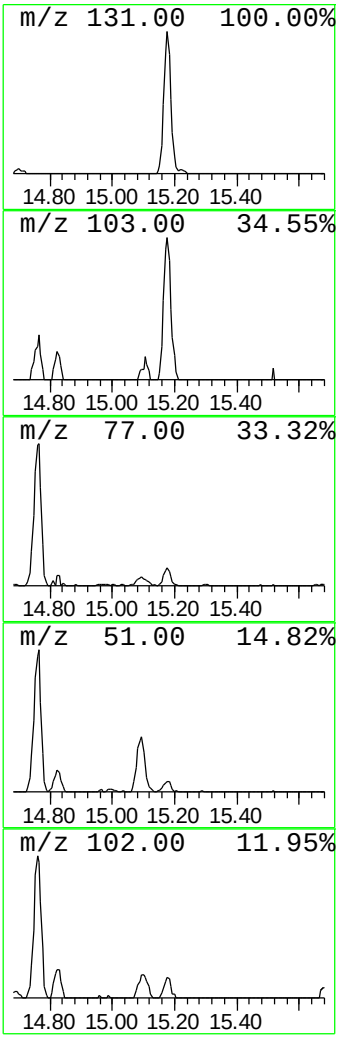
****

Peak Number 18 4-Methylcoumarine-7-cinnamate Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	4.75 ng/ul	55033	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	83
2	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	78
3	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	78
4	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	78
5	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

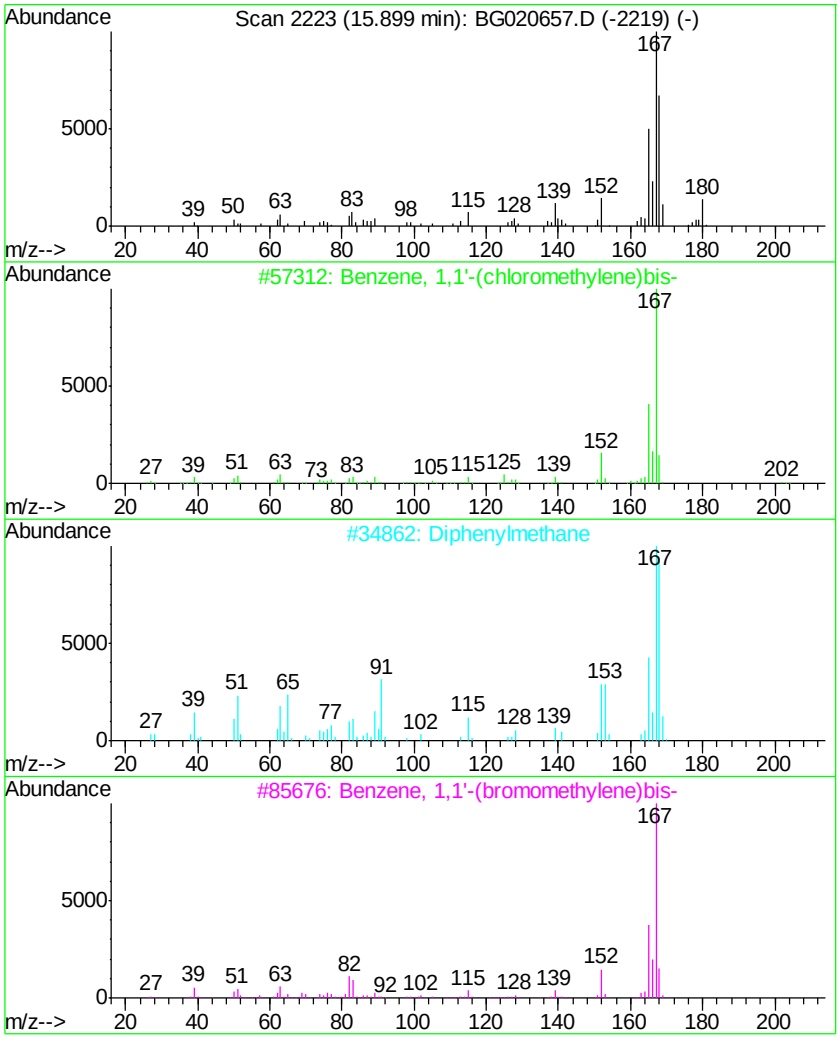
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

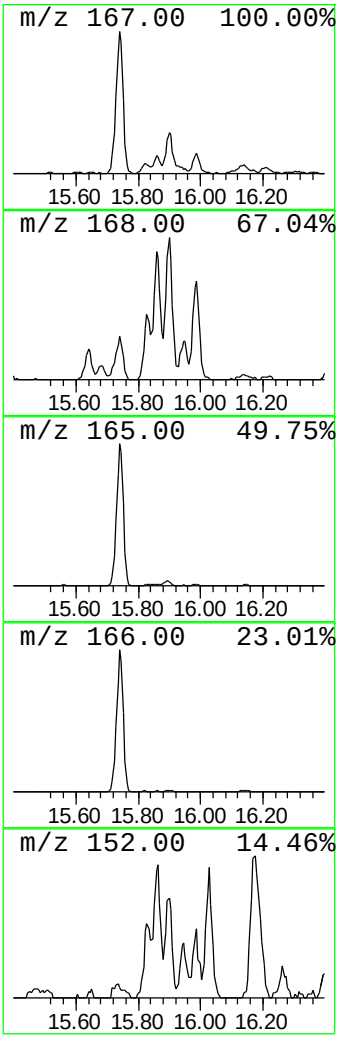
****

Peak Number 19 Benzene, 1,1'-(chloromethyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	11.95 ng/ul	138466	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
2	Diphenylmethane	168	C13H12	000101-81-5	50
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

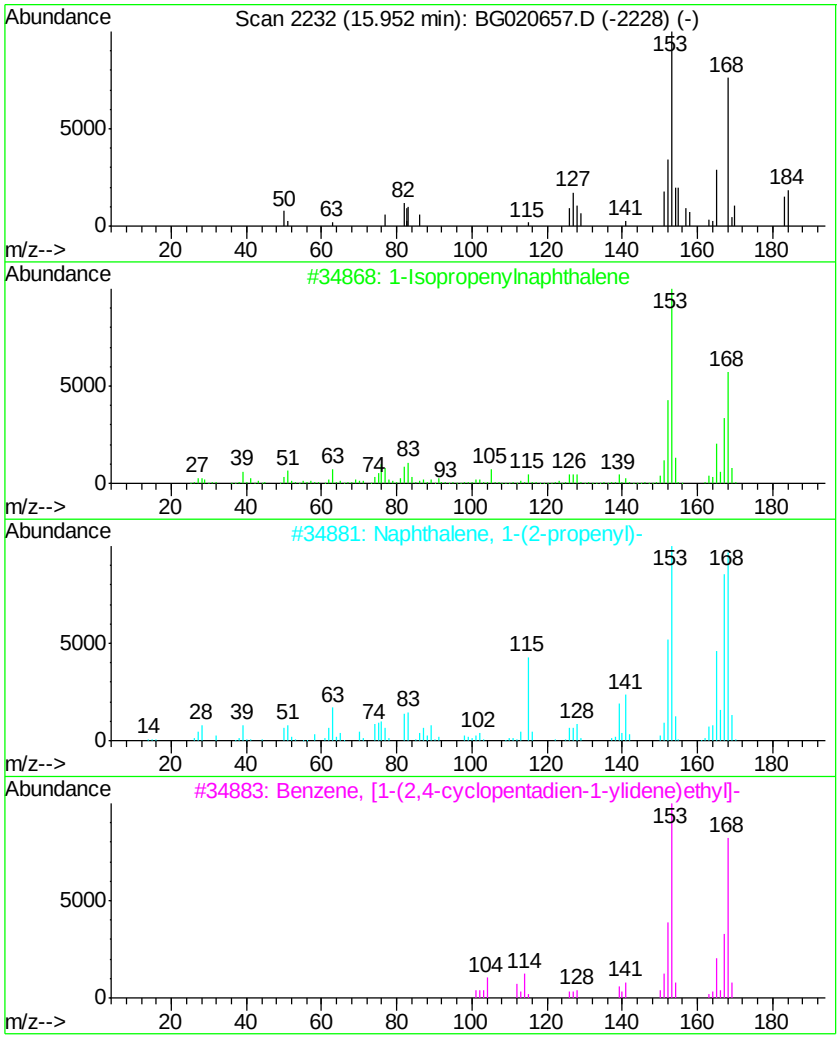
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

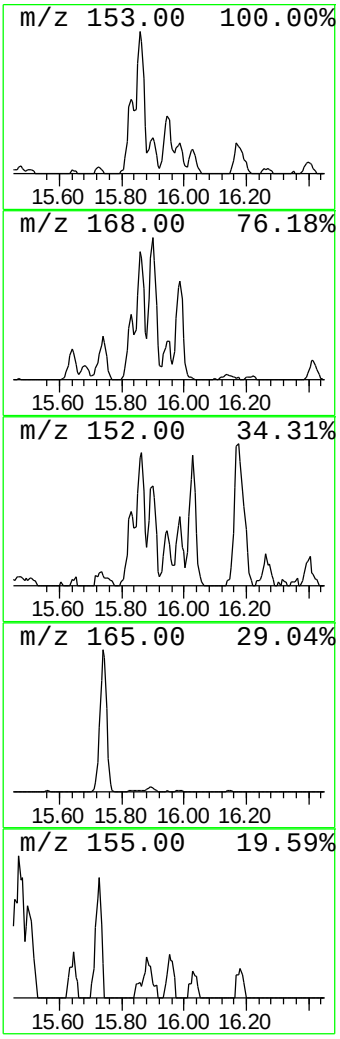
****

Peak Number 20 1-Isopropenylnaphthalene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	3.32 ng/ul	38460	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	58
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

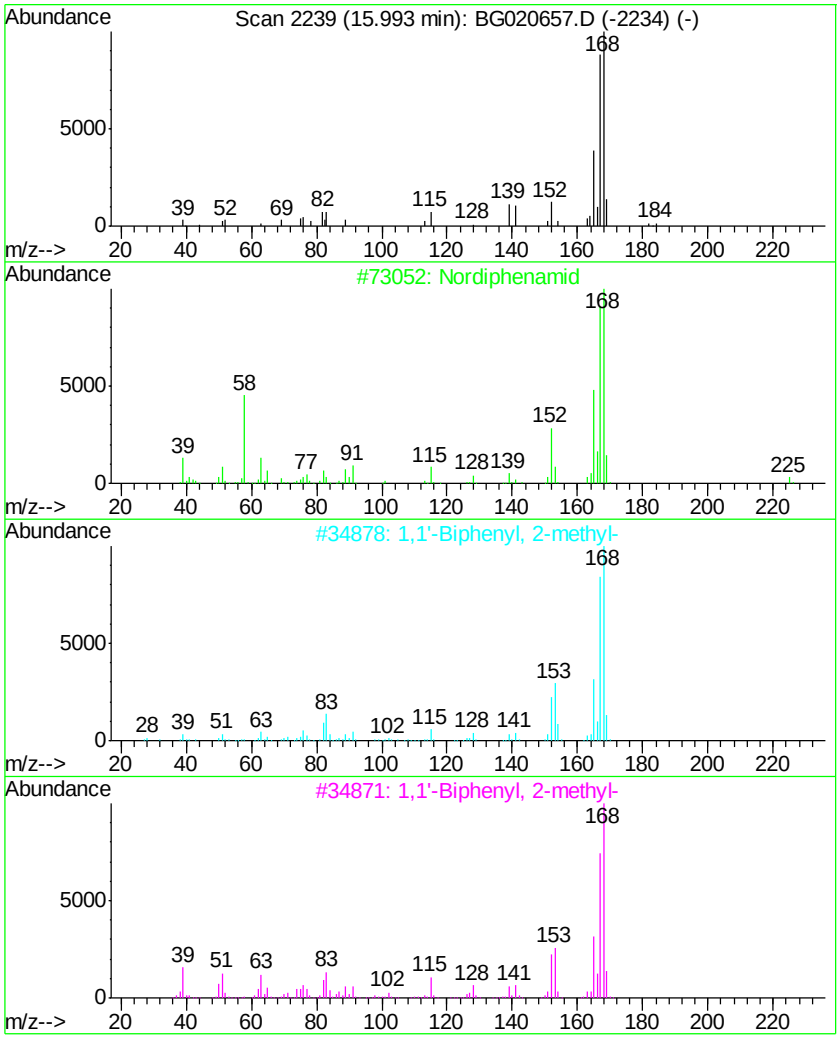
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

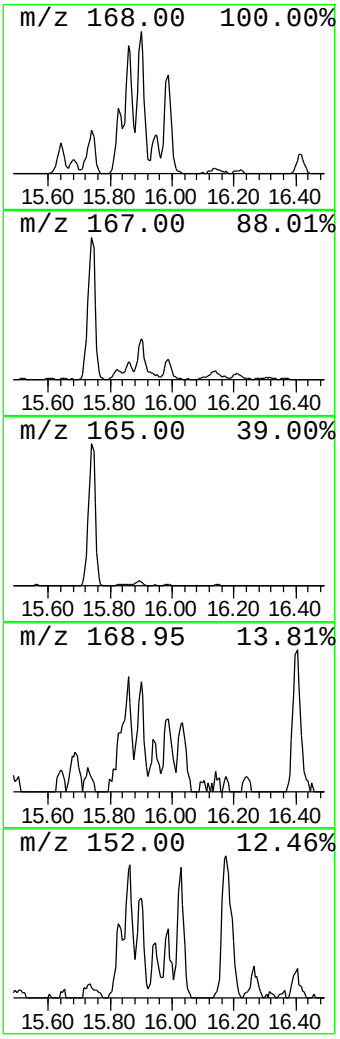
****

Peak Number 21 Nordiphenamid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	5.11 ng/ul	59173	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	Diphenylmethane	168	C13H12	000101-81-5	74
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

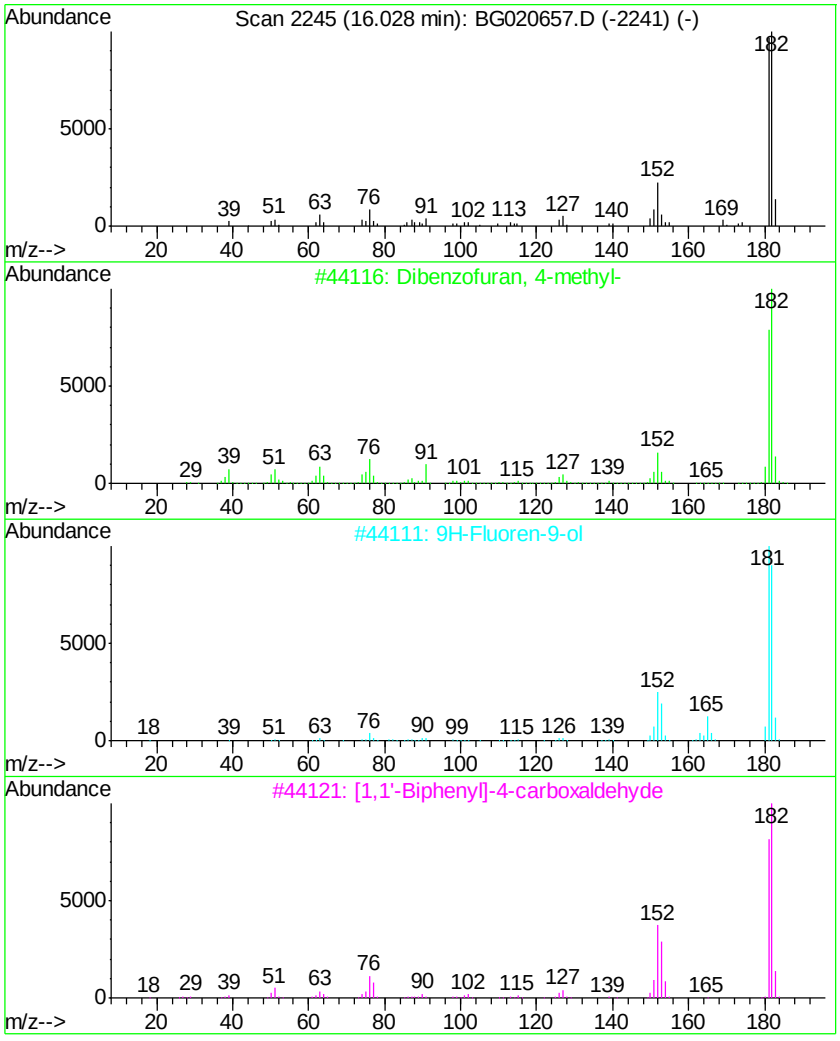
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

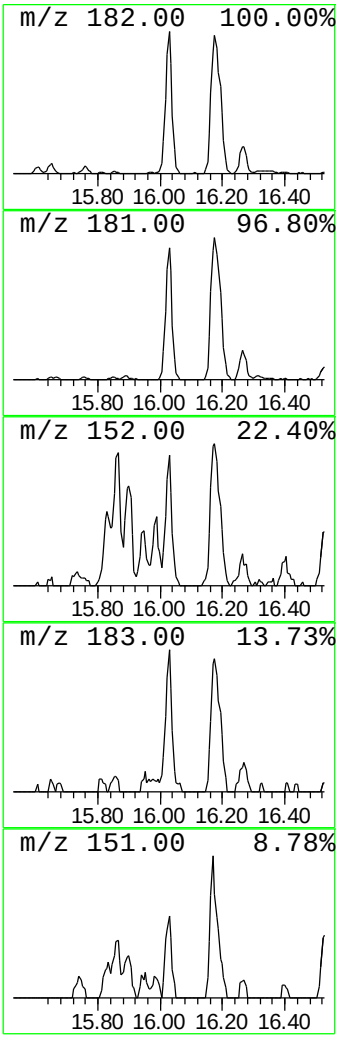
****

Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	9.18 ng/ul	106288	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

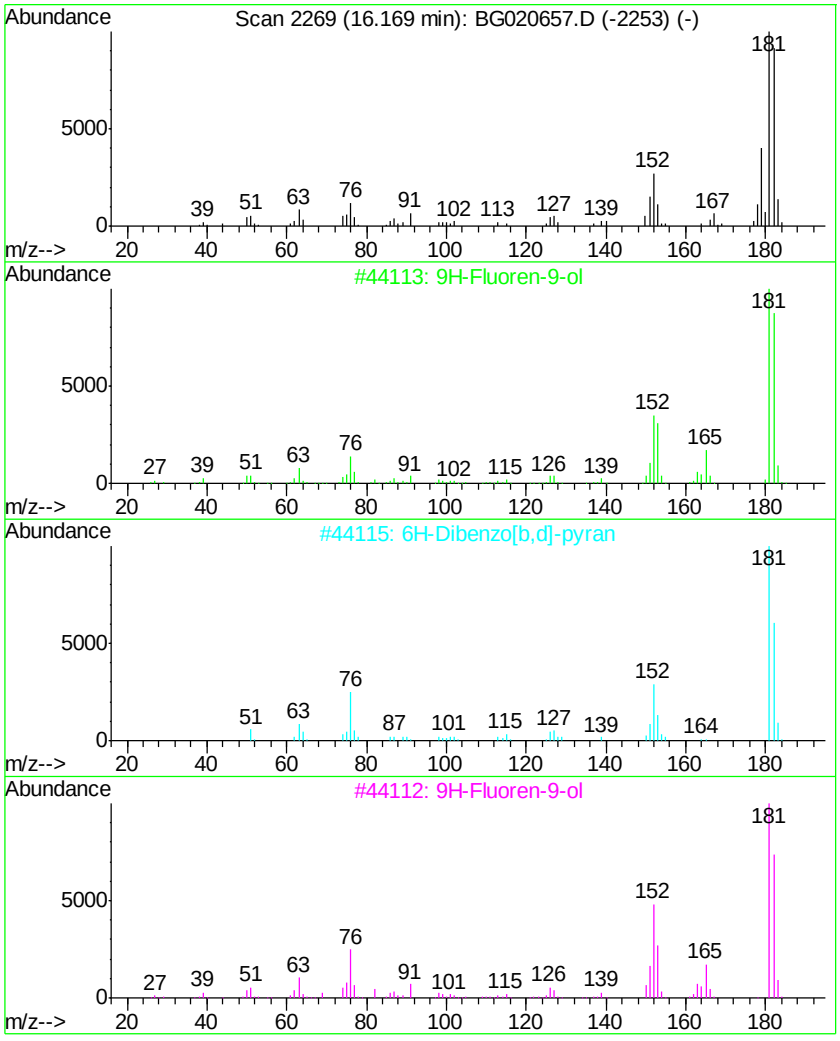
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

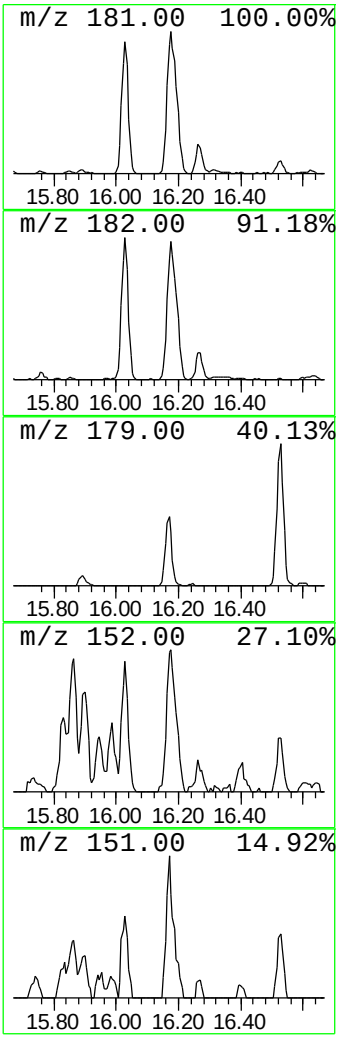
****

Peak Number 23 9H-Fluoren-9-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	12.23 ng/ul	222155	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	89
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	68
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

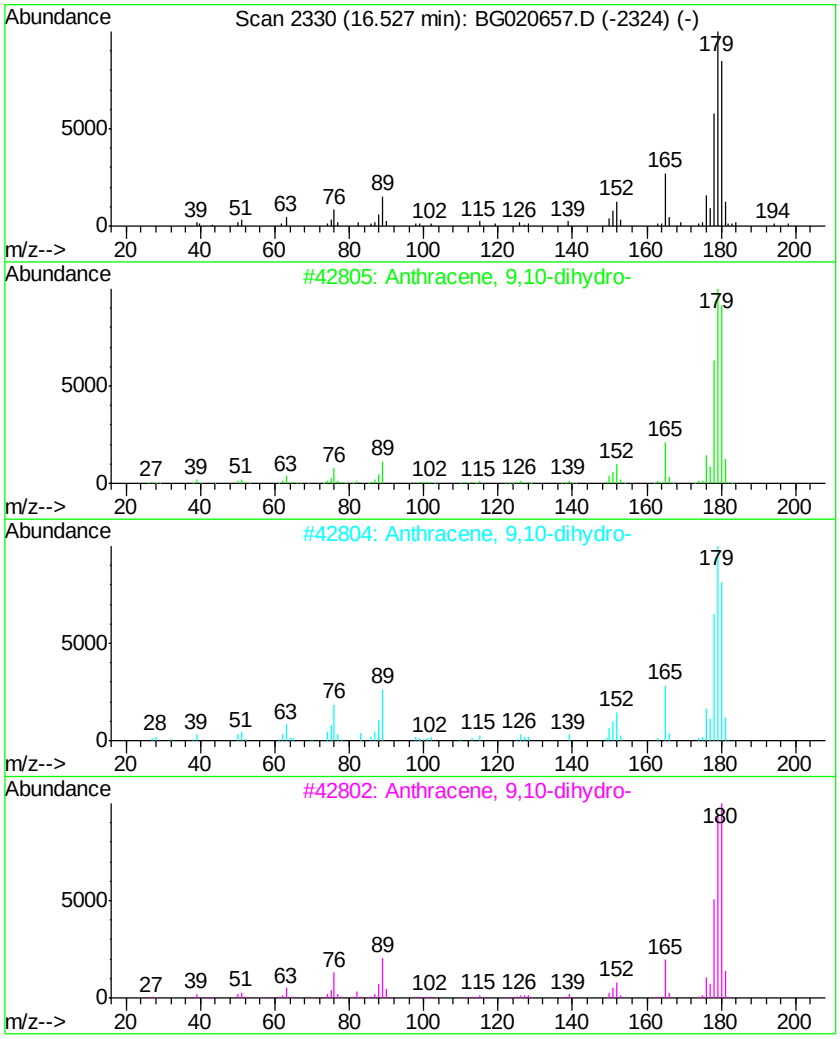
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

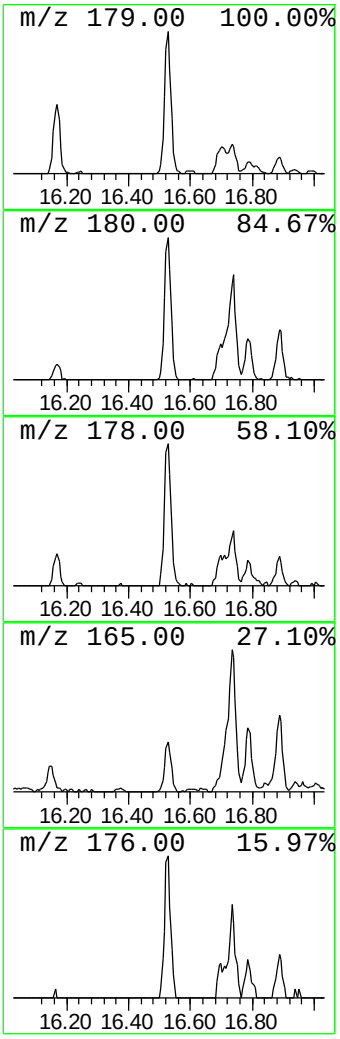
****

Peak Number 24 Anthracene, 9,10-dihydro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	5.57 ng/ul	101186	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

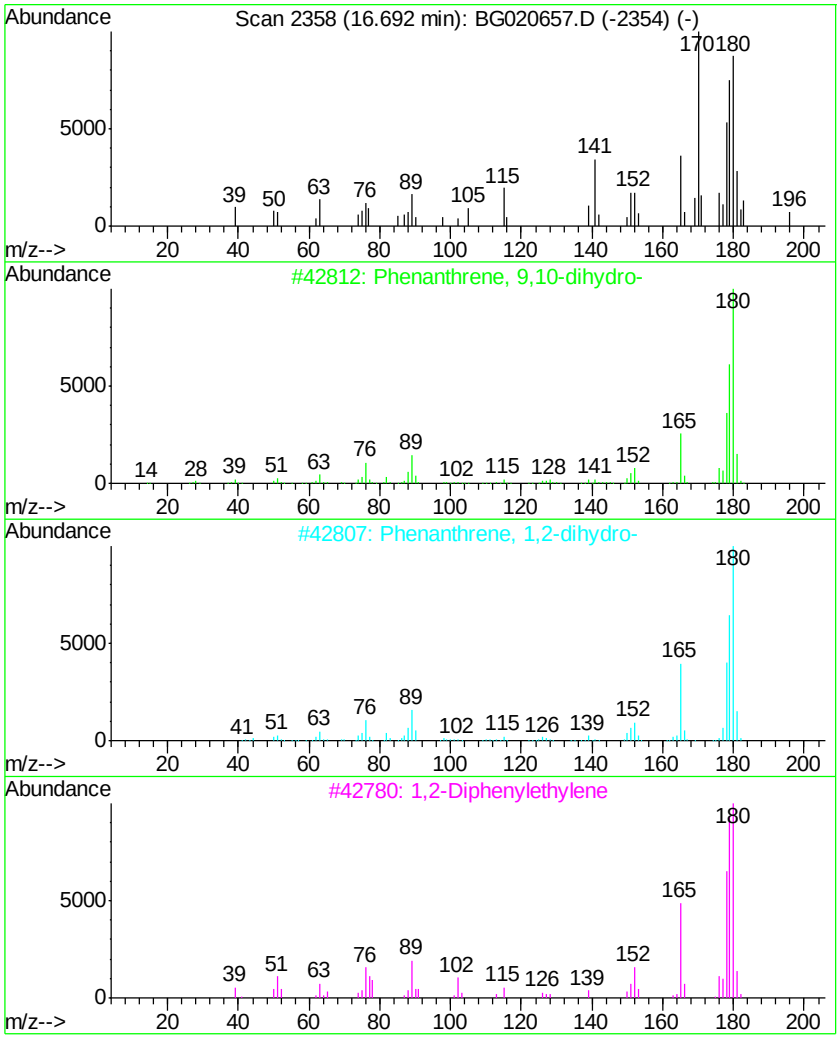
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

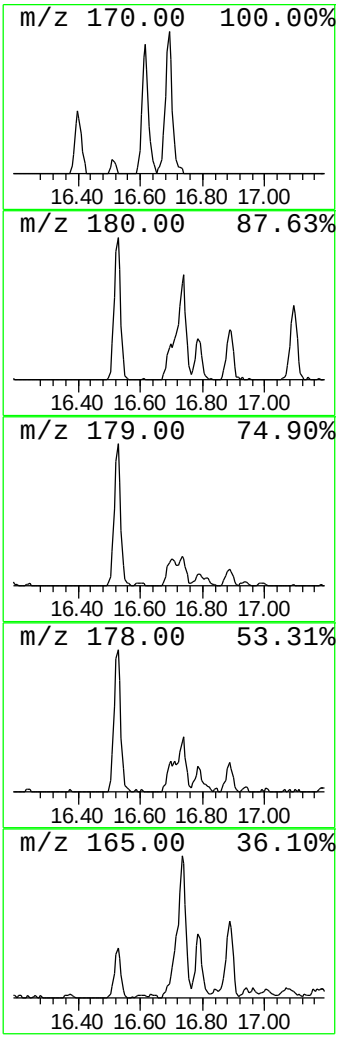
****

Peak Number 25 Phenanthrene, 9,10-dihydro- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.16 ng/ul	39181	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	90
2	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	87
3	1,2-Diphenylethylene	180	C14H12	000588-59-0	70
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	55
5	(E)-Stilbene	180	C14H12	000103-30-0	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

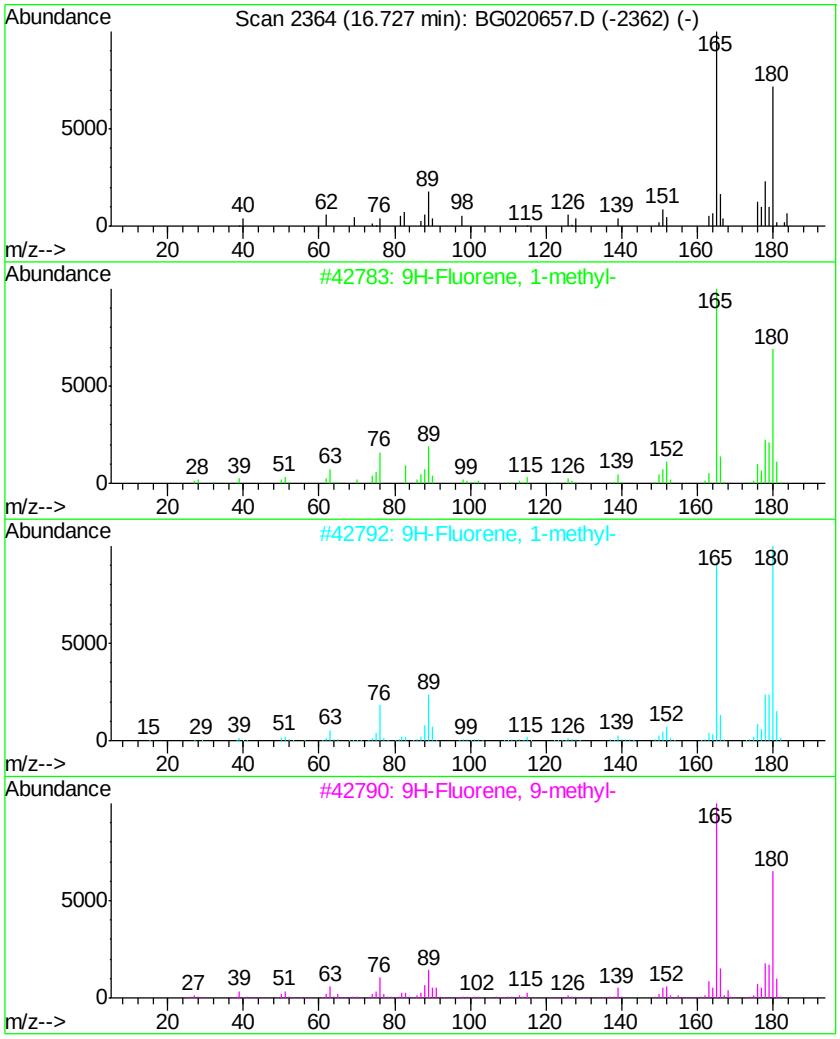
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

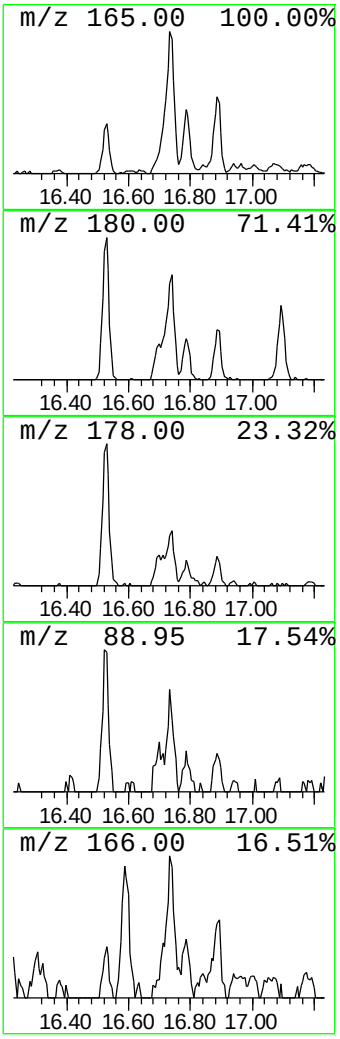
****

Peak Number 26 9H-Fluorene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	4.30 ng/ul	78164	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

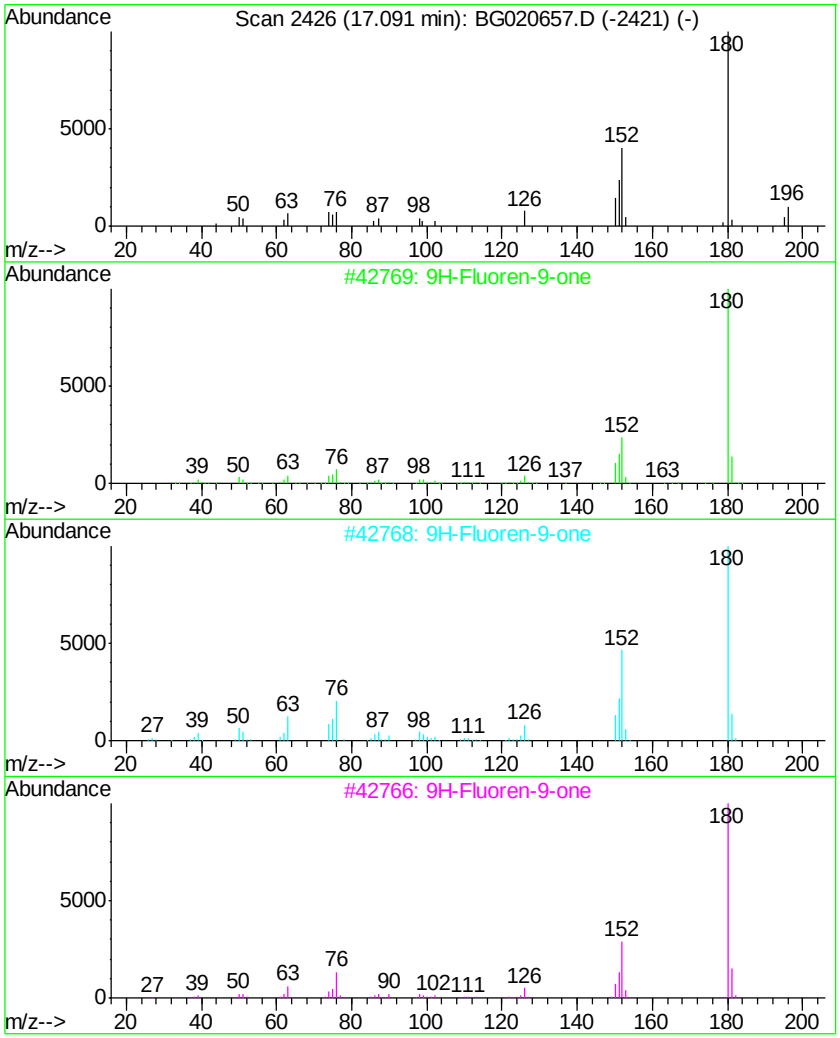
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

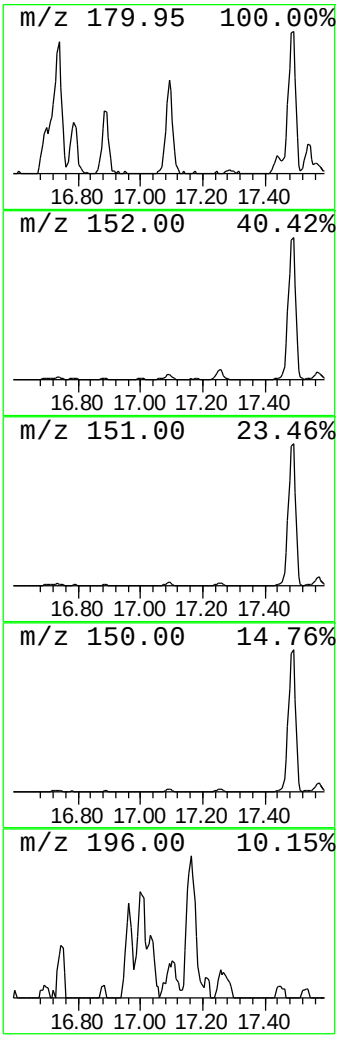
****

Peak Number 28 9H-Fluoren-9-one Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	2.17 ng/ul	39478	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

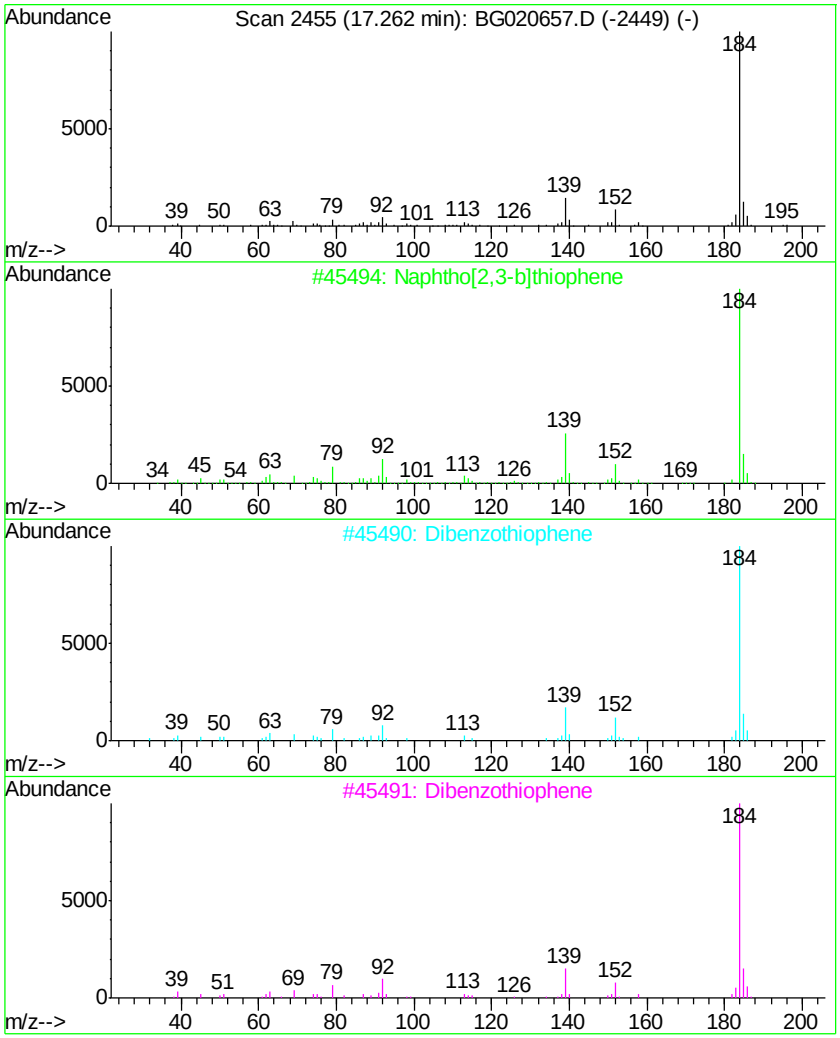
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

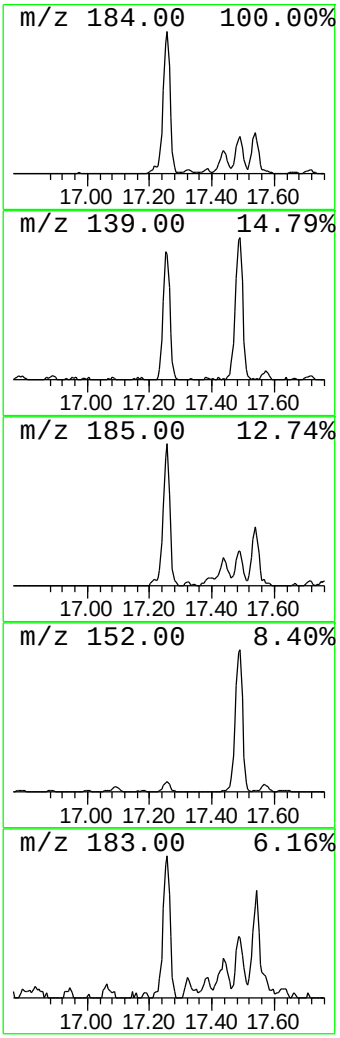
****

Peak Number 29 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	14.48 ng/ul	263081	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	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

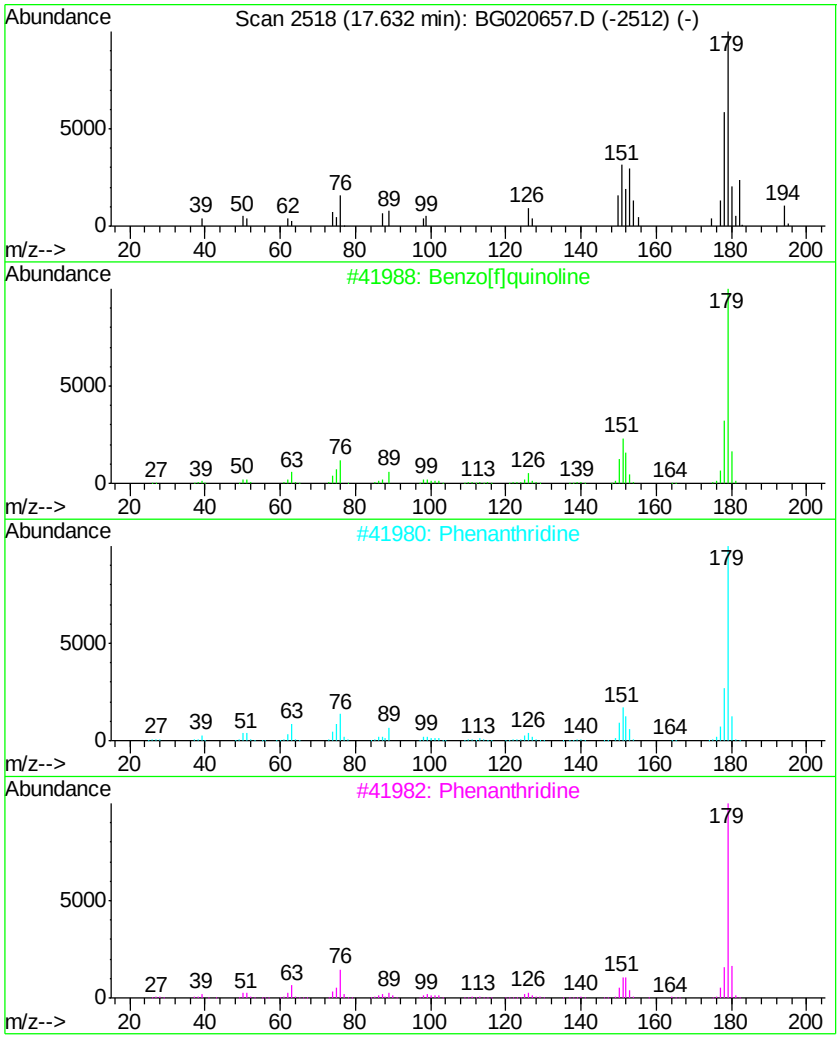
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

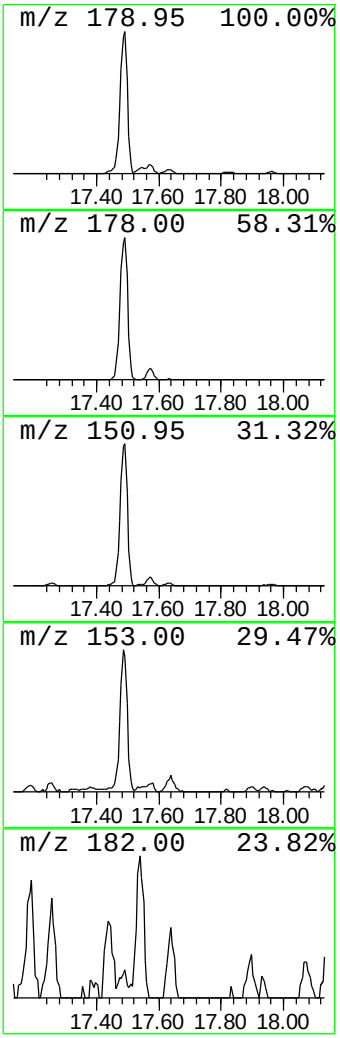
****

Peak Number 30 Benzo[f]quinoline Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	2.47 ng/ul	44835	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[f]quinoline	179	C13H9N	000085-02-9	64
2	Phenanthridine	179	C13H9N	000229-87-8	58
3	Phenanthridine	179	C13H9N	000229-87-8	53
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	53
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

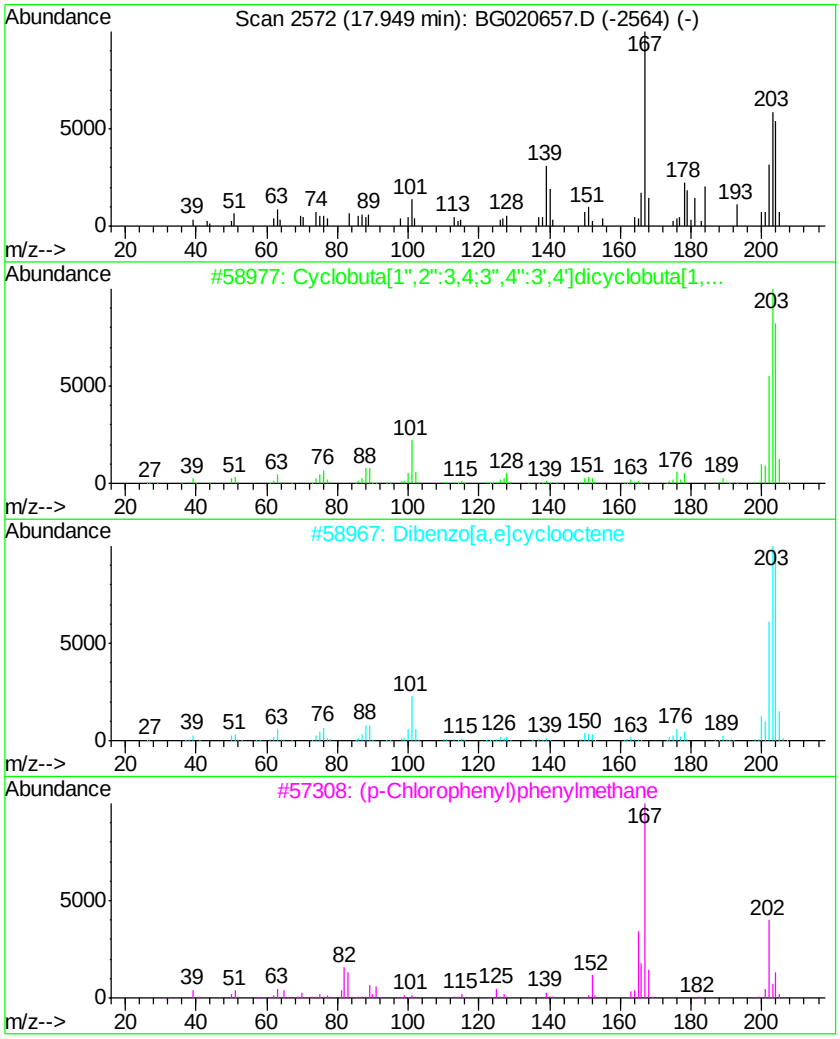
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

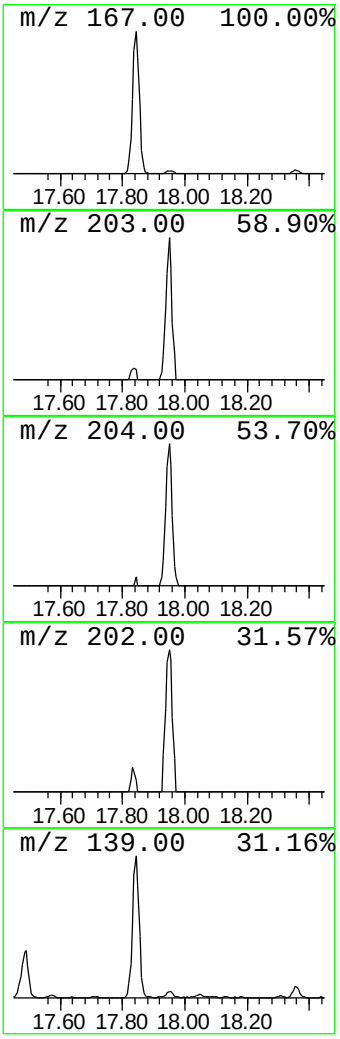
****

Peak Number 31 Cyclobuta[1'',2'':3,4;3'',4... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	4.23 ng/ul	76795	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	64
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	35
3	(p-Chlorophenyl)phenylmethane	202	C13H11Cl	000831-81-2	30
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	30
5	Carbazole	167	C12H9N	000086-74-8	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

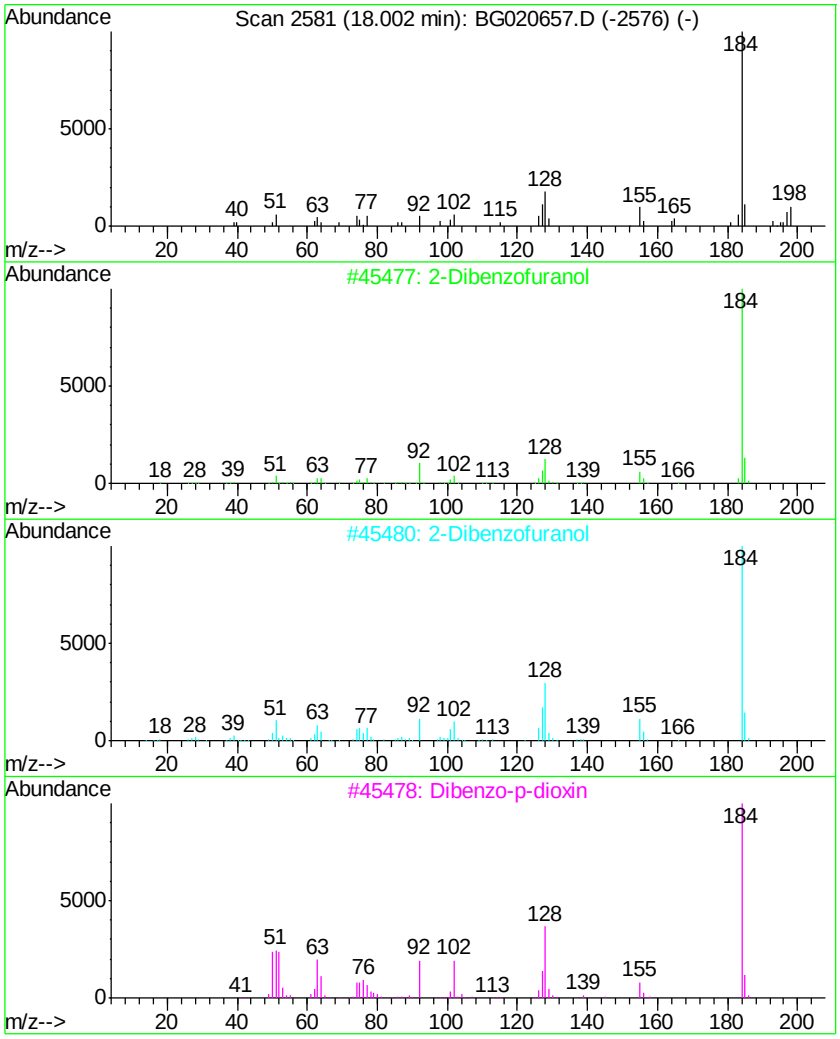
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

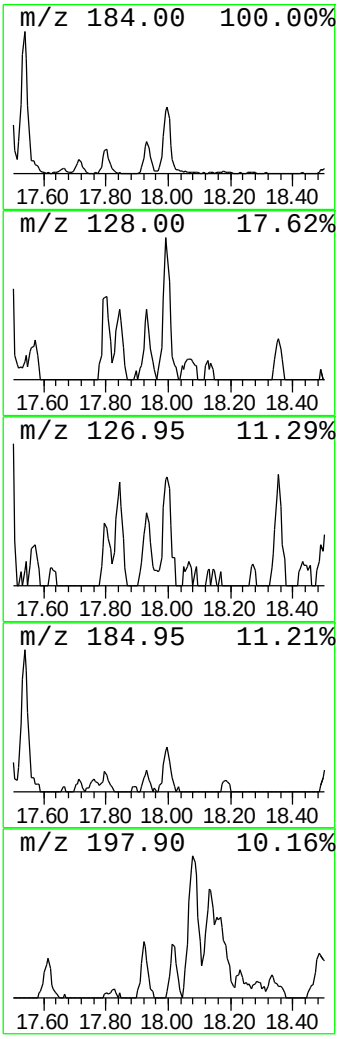
****

Peak Number 32 2-Dibenzofuranol Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.31 ng/ul	41994	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	90
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

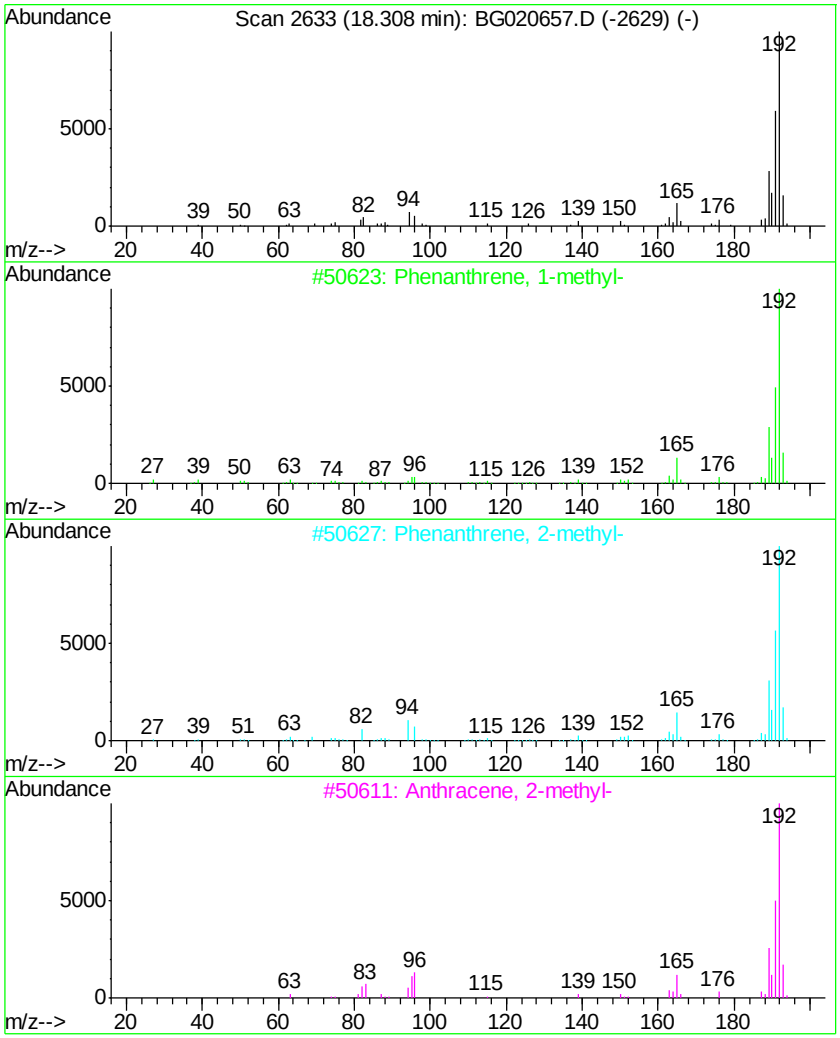
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

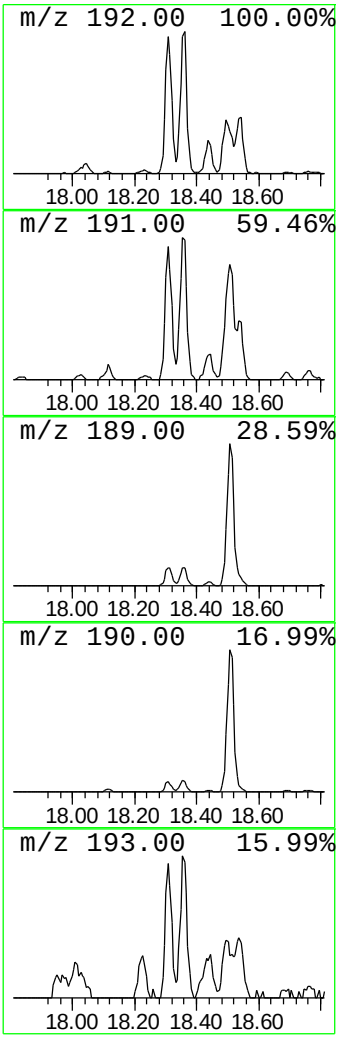
****

Peak Number 33 Phenanthrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	5.52 ng/ul	100289	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	10.6	ng/ul	45451	1	8.05	86079	20.0
Indane	8.43	5.4	ng/ul	23155	1	8.05	86079	20.0
Indene	8.59	26.6	ng/ul	114523	1	8.05	86079	20.0
3-Phenylbut-1-ene	10.26	4.1	ng/ul	26826	2	10.88	131127	20.0
Benzene, 1-butynyl-	10.36	2.6	ng/ul	16912	2	10.88	131127	20.0
2-Benzothiophene #	11.04	20.0	ng/ul	131030	2	10.88	131127	20.0
Benzene, 1-chloro...	11.70	3.2	ng/ul	21073	2	10.88	131127	20.0
Benzo[b]thiophene...	12.42	4.3	ng/ul	28445	2	10.88	131127	20.0
3-Methylbenzothio...	12.64	6.0	ng/ul	39247	2	10.88	131127	20.0
Naphthalene, 1-me...	12.74	126.1	ng/ul	826684	2	10.88	131127	20.0
Naphthalene, 1-et...	13.72	9.2	ng/ul	105928	3	14.69	231656	20.0
Naphthalene, 1,5-...	13.86	14.7	ng/ul	169667	3	14.69	231656	20.0
Naphthalene, 2,3-...	14.01	18.0	ng/ul	208617	3	14.69	231656	20.0
2-Naphthalenecarb...	14.82	24.1	ng/ul	279087	3	14.69	231656	20.0
1-Naphthalenecarb...	15.00	5.1	ng/ul	59224	3	14.69	231656	20.0
4-Methylcoumarine...	15.18	4.8	ng/ul	55033	3	14.69	231656	20.0
Benzene, 1,1'-(ch...	15.90	11.9	ng/ul	138466	3	14.69	231656	20.0
1-Isopropenylnaph...	15.95	3.3	ng/ul	38460	3	14.69	231656	20.0
Nordiphenamid	15.99	5.1	ng/ul	59173	3	14.69	231656	20.0
Dibenzofuran, 4-m...	16.03	9.2	ng/ul	106288	3	14.69	231656	20.0
9H-Fluoren-9-ol	16.17	12.2	ng/ul	222155	4	17.44	363441	20.0
Anthracene, 9,10-...	16.53	5.6	ng/ul	101186	4	17.44	363441	20.0
Phenanthrene, 9,1...	16.69	2.2	ng/ul	39181	4	17.44	363441	20.0
9H-Fluorene, 1-me...	16.73	4.3	ng/ul	78164	4	17.44	363441	20.0
9H-Fluoren-9-one	17.09	2.2	ng/ul	39478	4	17.44	363441	20.0
Naphtho[2,3-b]thi...	17.26	14.5	ng/ul	263081	4	17.44	363441	20.0
Benzo[f]quinoline	17.63	2.5	ng/ul	44835	4	17.44	363441	20.0
Cyclobuta[1'',2''...	17.95	4.2	ng/ul	76795	4	17.44	363441	20.0
2-Dibenzofuranol	18.00	2.3	ng/ul	41994	4	17.44	363441	20.0
Phenanthrene, 1-m...	18.31	5.5	ng/ul	100289	4	17.44	363441	20.0