LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	3.066	33	39	48	rBV2	38701	74967	0.42%	0.096%
2	7.373	765	772	779	rBV	63200	105446	0.59%	0.136%
3	7.584	801	808	818	rVB	68703	117617	0.66%	0.151%
4	7.690	820	826	834	rVV2	41860	72238	0.40%	0.093%
5	8.054	881	888	894	rBV	59651	101841	0.57%	0.131%
6	8.425	945	951	960	rBV	100946	171437	0.96%	0.220%
7	8.595	972	980	992	rBV	563832	973411	5.43%	1.252%
8	8.759	1002	1008	1017	rBV	61880	105801	0.59%	0.136%
9	9.224	1081	1087	1094	rBV2	86929	169787	0.95%	0.218%
10	9.535	1129	1140	1147	rBV	63045	140118	0.78%	0.180%
11	9.952	1204	1211	1221	rBV	75293	135047	0.75%	0.174%
12	10.264	1257	1264	1265	rBV	50736	77450	0.43%	0.100%
13	10.363	1275	1281	1294	rVB	47302	128902	0.72%	0.166%
14	10.499	1297	1304	1312	rBV	150671	281330	1.57%	0.362%
15	10.980	1362	1386	1391	rVV	5543709	17934925	100.00%	23.064%
16	11.057	1392	1399	1406	rVB	516874	863234	4.81%	1.110%
17	12.420	1625	1631	1640	rVB	80019	132276	0.74%	0.170%
18	12.537	1640	1651	1657	rBV	2574025	4702184	26.22%	6.047%
19	12.643	1662	1669	1675	rVV	103043	187047	1.04%	0.241%
20	12.749	1675	1687	1695	rVB	1633071	2891026	16.12%	3.718%
21	13.160	1750	1757	1765	rBV	40736	72900	0.41%	0.094%
22	13.524	1812	1819	1827	rBV	865685	1325799	7.39%	1.705%
23	13.718	1846	1852	1864	rVB	162690	331711	1.85%	0.427%
24	13.865	1864	1877	1884	rBV2	167083	455777	2.54%	0.586%
25	14.006	1894	1901	1906	rVV	275133	503571	2.81%	0.648%
26	14.065	1906	1911	1913	rVV	185910	295880	1.65%	0.380%
27	14.094	1913	1916	1922	rVV	261844	363671	2.03%	0.468%
28	14.247	1936	1942	1945	rBV	112002	170084	0.95%	0.219%
29	14.388	1959	1966	1967	rBV	269461	395084	2.20%	0.508%
30	14.412	1967	1970	1982	rVB	387473	628172	3.50%	0.808%
31	14.664	2008	2013	2015	rVV	143315	210045	1.17%	0.270%
32	14.694	2015	2018	2023	rVV3	155854	254316	1.42%	0.327%
33	14.776	2023	2032	2036	rVV	3500422	6550135	36.52%	8.423%
34	14.835	2036	2042	2048	rVV	916618	1492581	8.32%	1.919%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	14.899	2048	2053	2060	rVV5	27955	73382	0.41%	0.094%
36	14.999	2066	2070	2074	rVV	84749	131886	0.74%	0.170%
37	15.099	2079	2087	2095	rVV2	2252924	4169500	23.25%	5.362%
38	15.175	2095	2100	2108	rVB2	42517	88482	0.49%	0.114%
39	15.293	2113	2120	2127	rBV3	31865	62838	0.35%	0.081%
40	15.681	2181	2186	2191	rVV	362539	576655	3.22%	0.742%
41	15.745	2191	2197	2204	rVV	2155189	3548544	19.79%	4.563%
42	15.816	2204	2209	2213	rVV4	115211	228773	1.28%	0.294%
43	15.863	2213	2217	2219	rVV2	116135	191047	1.07%	0.246%
44	15.898	2219	2223	2227	rVV2	154943	263201	1.47%	0.338%
45	15.951	2227	2232	2235	rVV5	61391	128636	0.72%	0.165%
46	15.986	2235	2238	2241	rVV	82860	119279	0.67%	0.153%
47	16.027	2241	2245	2254	rVB	149634	231072	1.29%	0.297%
48	16.168	2254	2269	2278	rBV2	198469	474398	2.65%	0.610%
49	16.245	2278	2282	2290	rVB2	38486	94209	0.53%	0.121%
50	16.409	2300	2310	2318	rBV5	62034	130911	0.73%	0.168%
51	16.527	2322	2330	2336	rBV	121060	183860	1.03%	0.236%
52	16.586	2336	2340	2343	rBV	50772	79935	0.45%	0.103%
53	16.691	2352	2358	2362	rBV3	80542	156745	0.87%	0.202%
54	16.732	2362	2365	2370	rVV	78905	130874	0.73%	0.168%
55	16.785	2370	2374	2381	rVB2	37098	60645	0.34%	0.078%
56	17.091	2422	2426	2434	rVB2	57299	100210	0.56%	0.129%
57	17.255	2449	2454	2460	rVB	298770	452879	2.53%	0.582%
58	17.438	2479	2485	2488	rBV2	181595	347463	1.94%	0.447%
59	17.490	2488	2494	2499	rVB	2855906	4761007	26.55%	6.123%
60	17.543	2499	2503	2507	rBV2	893681	1271798	7.09%	1.636%
61	17.614	2512	2515	2527	rVB3	89814	219393	1.22%	0.282%
62	17.861	2543	2557	2562	rBV	2580051	5101311	28.44%	6.560%
63	17.955	2563	2573	2577	rVV3	164410	474417	2.65%	0.610%
64	17.996	2577	2580	2586	rVV	164485	256977	1.43%	0.330%
65	18.078	2586	2594	2599	rVV3	91874	241009	1.34%	0.310%
66	18.131	2599	2603	2608	rVV5	63573	117045	0.65%	0.151%
67	18.184	2608	2612	2616	rVV2	38333	66837	0.37%	0.086%
68	18.272	2622	2627	2630	rVV	102865	150120	0.84%	0.193%
69	18.307	2630	2633	2637	rVV	79203	110978	0.62%	0.143%
70	18.360	2637	2642	2648	rVV	544618	828625	4.62%	1.066%
71	18.430	2648	2654	2661	rVV3	121802	243988	1.36%	0.314%

LSC Area Percent Report

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Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	18.507	2661	2667	2676	rVB2	264351	485857	2.71%	0.625%
73	18.613	2681	2685	2689	rVV	182773	348639	1.94%	0.448%
74	18.654	2689	2692	2696	rVV	201316	313113	1.75%	0.403%
75	18.689	2696	2698	2702	rVV2	84489	122067	0.68%	0.157%
76	18.748	2702	2708	2713	rVV2	224024	414824	2.31%	0.533%
77	18.801	2713	2717	2721	rVV2	144416	224086	1.25%	0.288%
78	18.854	2721	2726	2730	rVV	193233	311971	1.74%	0.401%
79	18.883	2730	2731	2744	rVV7	53975	91078	0.51%	0.117%
80	19.012	2749	2753	2757	rVV3	52963	106123	0.59%	0.136%
81	19.077	2761	2764	2766	rVV3	45292	69174	0.39%	0.089%
82	19.112	2767	2770	2775	rVV5	57718	136469	0.76%	0.175%
83	19.159	2775	2778	2785	rVV4	54031	133658	0.75%	0.172%
84	19.324	2802	2806	2810	rVV5	44382	88657	0.49%	0.114%
85	19.482	2826	2833	2840	rVV	566601	865079	4.82%	1.112%
86	19.582	2846	2850	2855	rVB	81168	114948	0.64%	0.148%
87	19.682	2861	2867	2869	rBV3	53624	90892	0.51%	0.117%
88	19.817	2884	2890	2893	rBV2	557339	904220	5.04%	1.163%
89	19.846	2893	2895	2904	rVB2	415306	535181	2.98%	0.688%
90	20.034	2918	2927	2931	rBV6	40758	81784	0.46%	0.105%
91	20.222	2953	2959	2965	rBV	220166	330388	1.84%	0.425%
92	20.311	2965	2974	2988	rVB	573282	1199768	6.69%	1.543%
93	20.422	2988	2993	2998	rBV3	32403	68063	0.38%	0.088%
94	20.816	3055	3060	3070	rVV2	44733	92857	0.52%	0.119%
95	20.904	3070	3075	3079	rVV	93168	163463	0.91%	0.210%
96	20.951	3079	3083	3091	rVB	125416	207276	1.16%	0.267%
97	21.703	3203	3211	3217	rBV2	311064	550781	3.07%	0.708%
98	22.349	3313	3321	3329	rBV	121850	249994	1.39%	0.321%
99	24.729	3714	3726	3738	rBV	285558	758034	4.23%	0.975%
100	24.952	3749	3764	3774	rBV2	145995	417874	2.33%	0.537%

Sum of corrected areas: 77761057

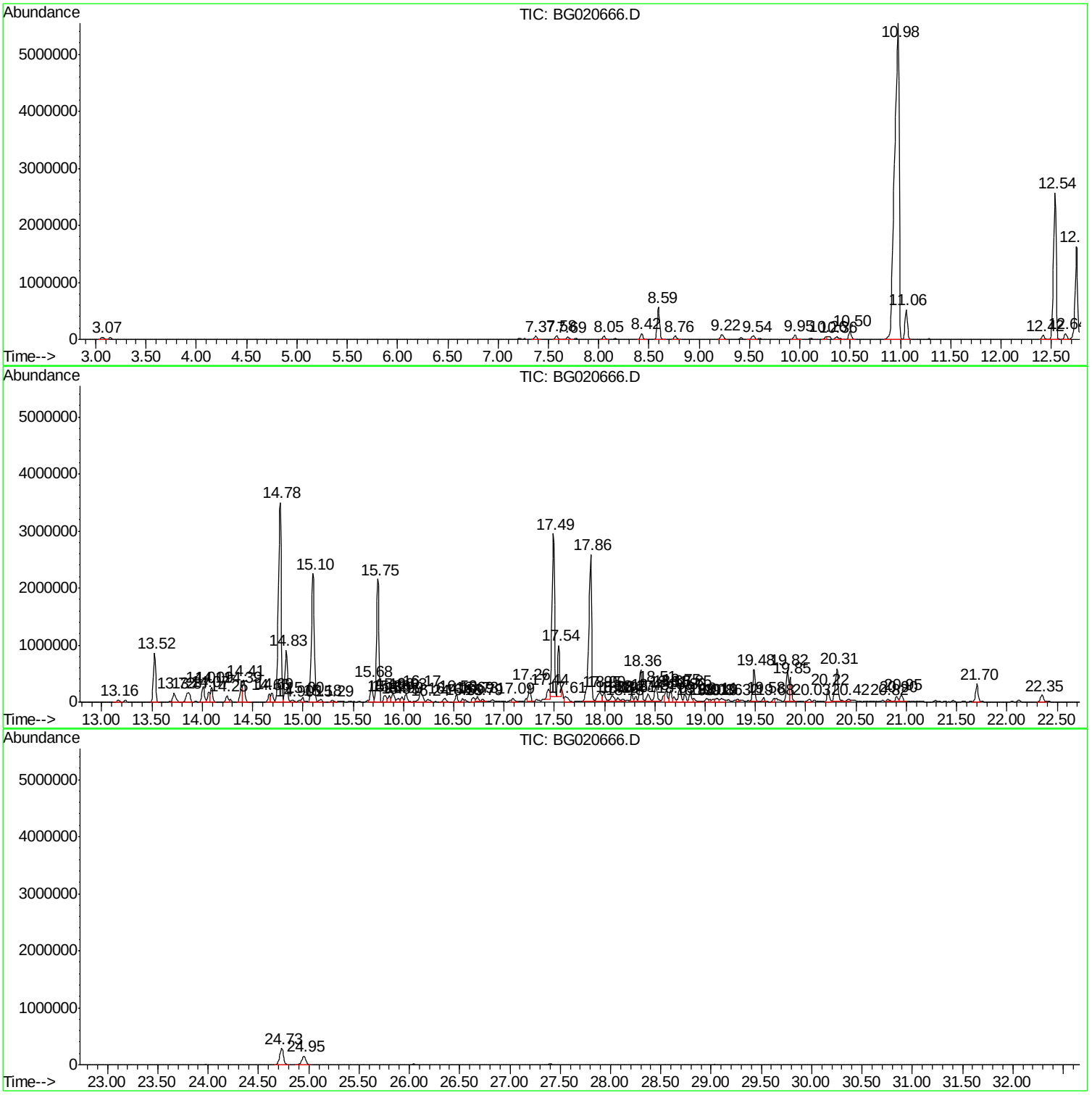
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

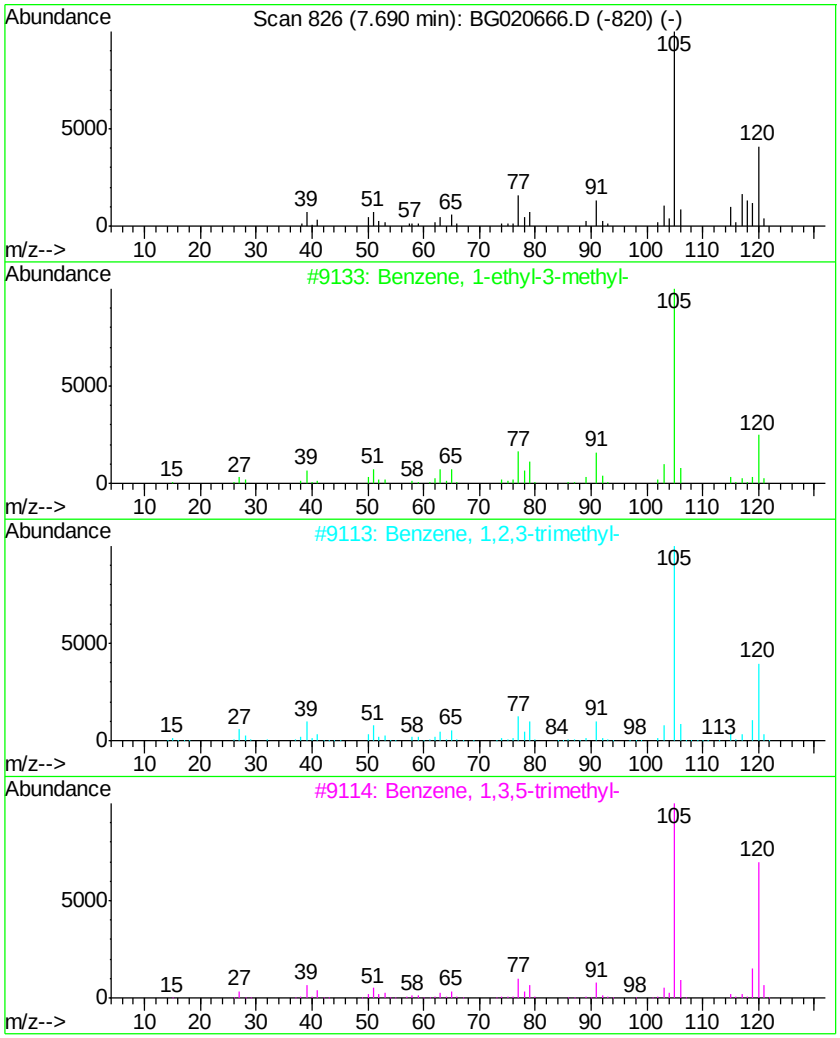
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

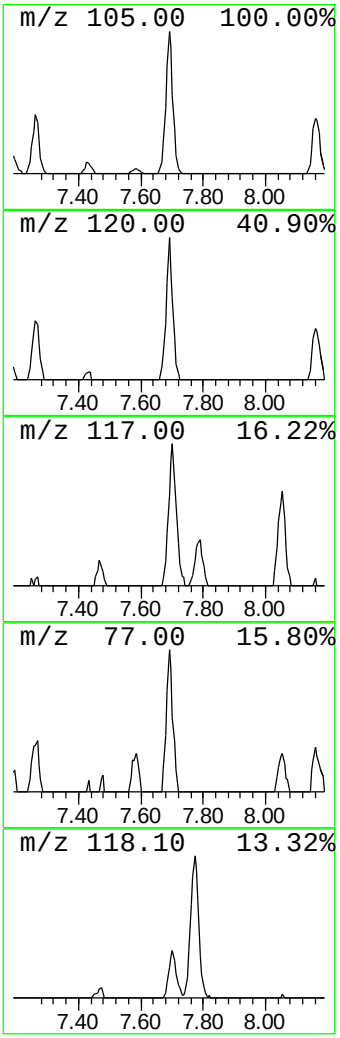
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	14.19 ng/ul	72238	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	92
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	76
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

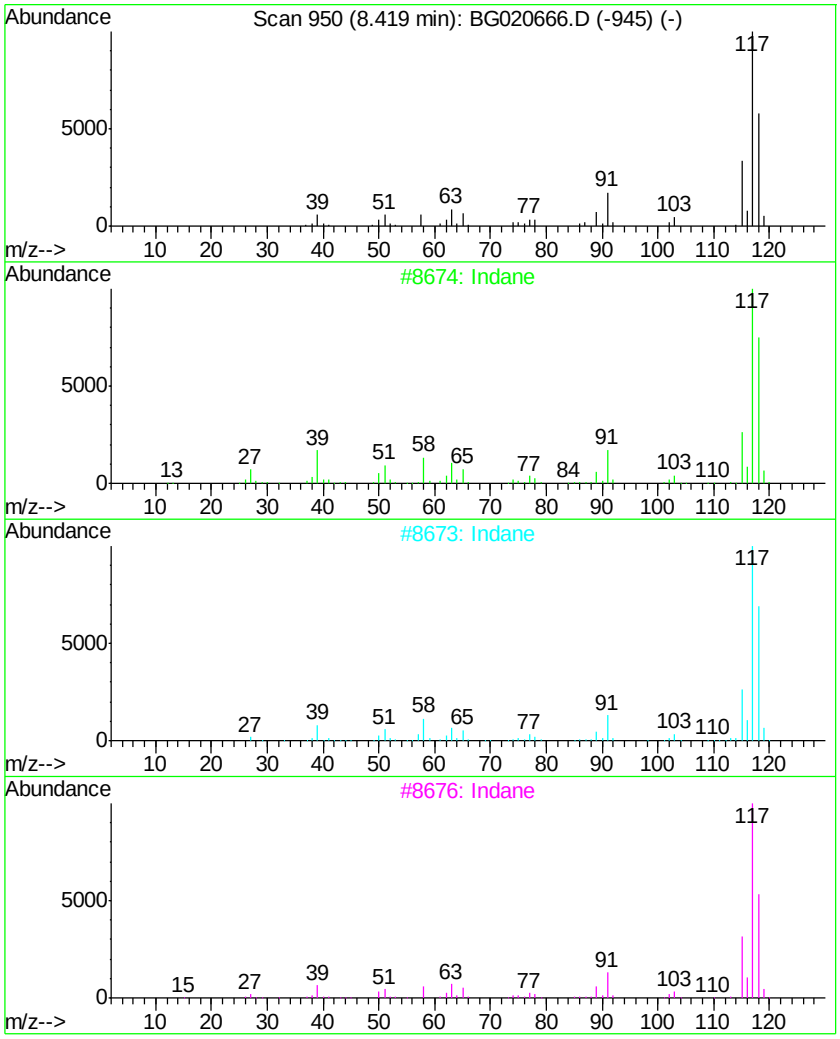
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

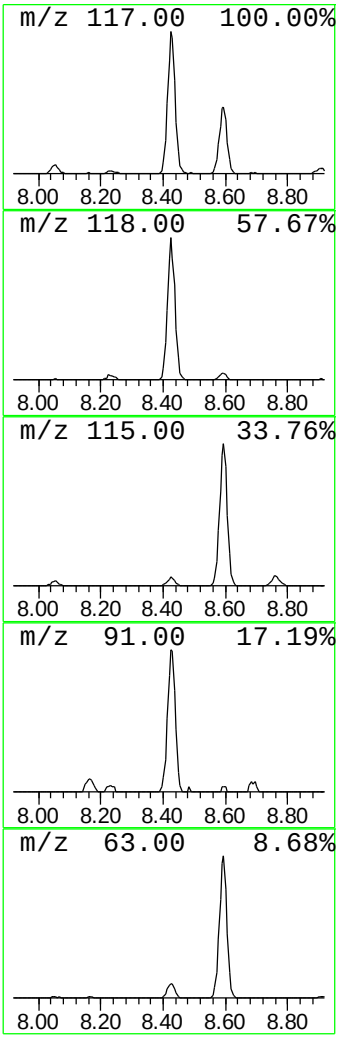
****

Peak Number 3 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	33.67 ng/ul	171437	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
5	Deltacyclene	118	C9H10	007785-10-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

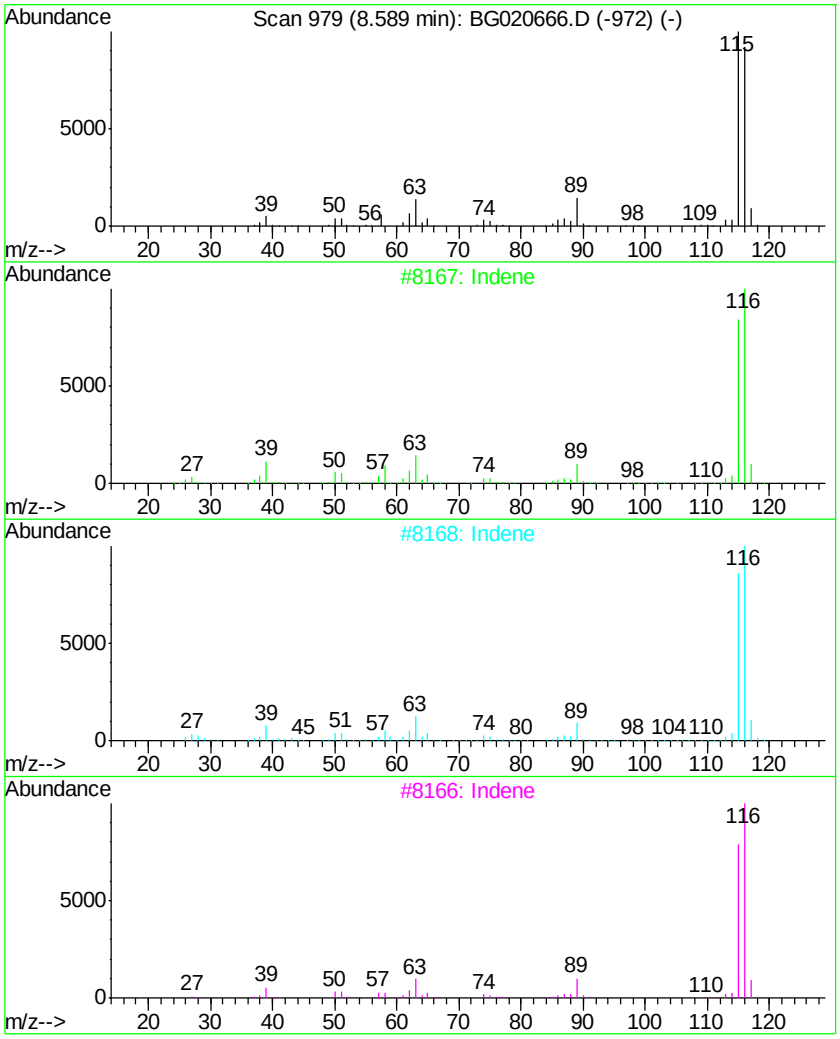
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

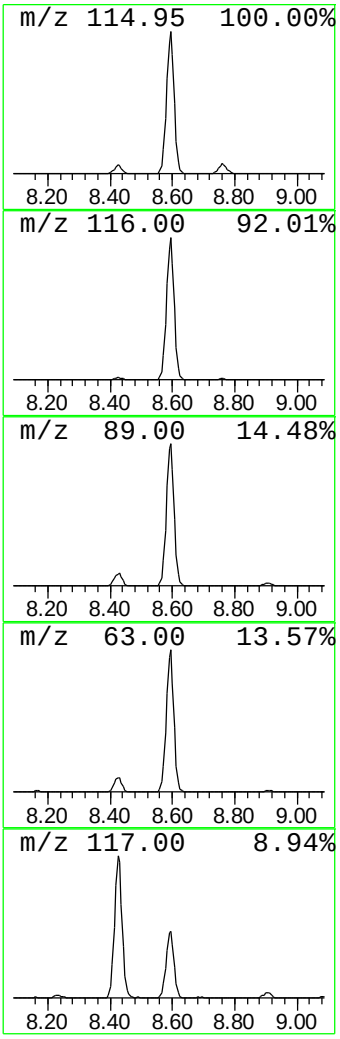
****

Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	191.16 ng/ul	973411	1,4-Dichlorobenzene-d4	8.05

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

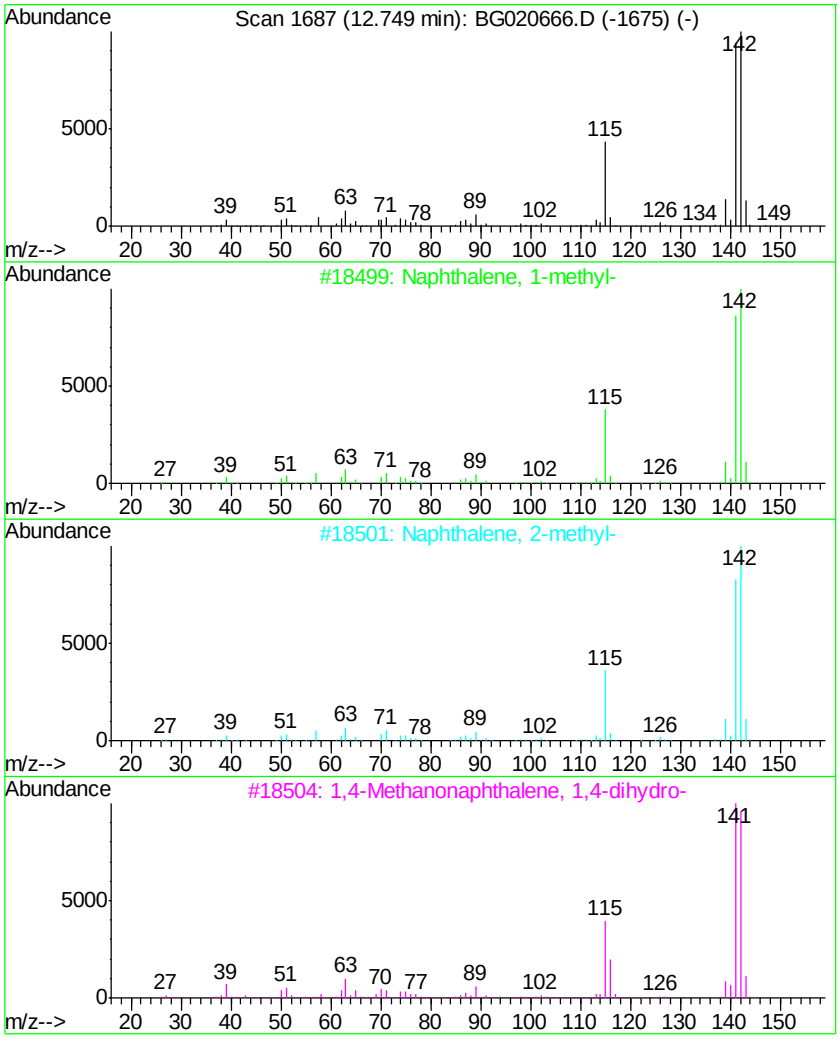
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

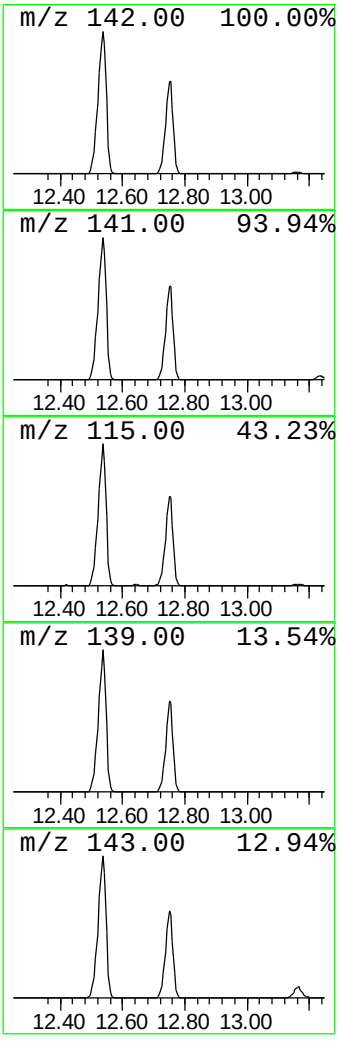
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	3.22 ng/ul	2891030	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

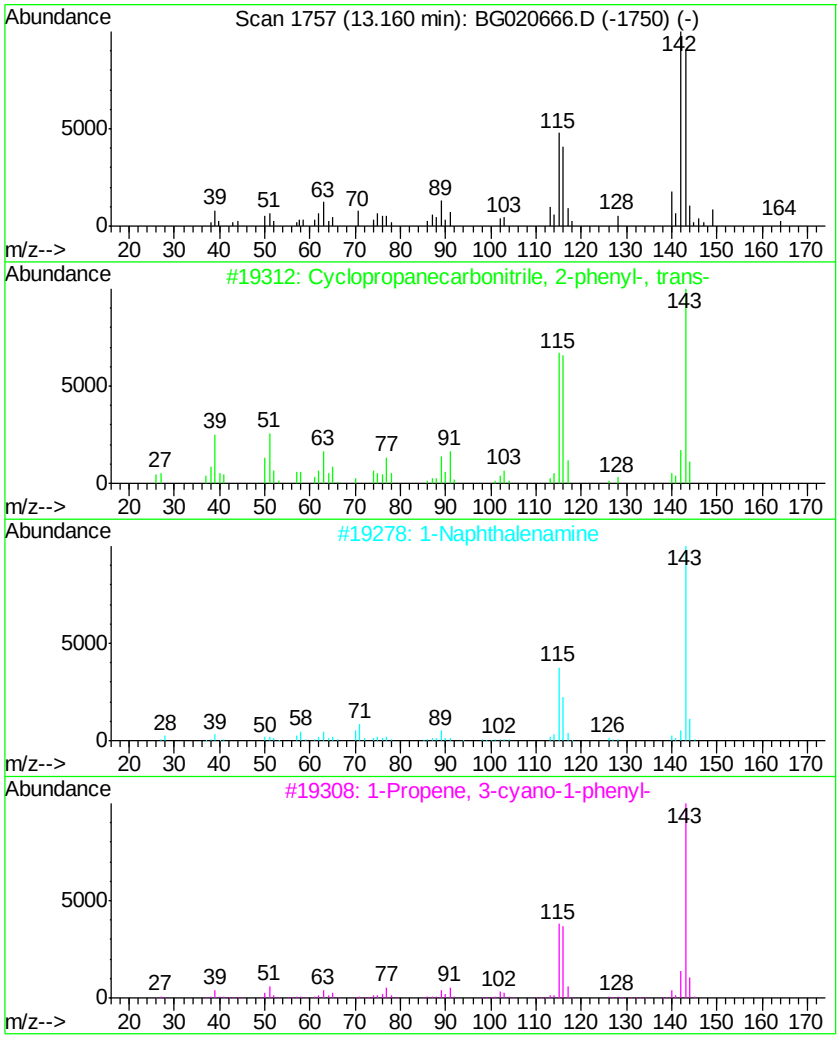
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

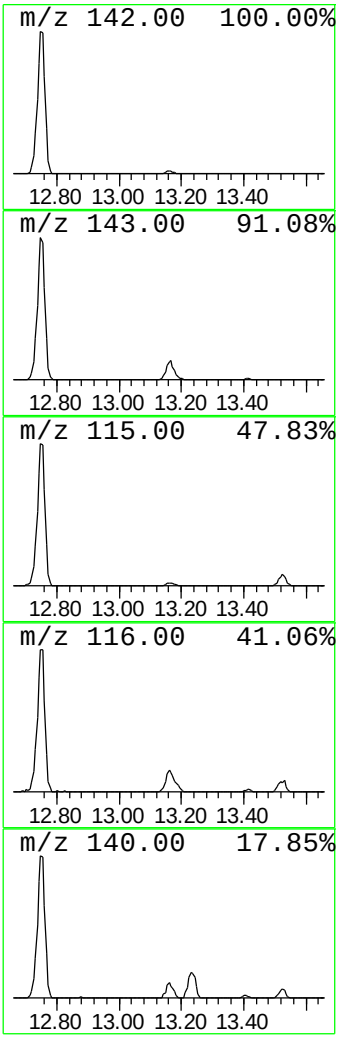
****

Peak Number 6 Cyclopropanecarbonitrile, 2... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	5.73 ng/ul	72900	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	70
2	1-Naphthalenamine	143	C10H9N	000134-32-7	70
3	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	58
4	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	55
5	1-Naphthalenamine	143	C10H9N	000134-32-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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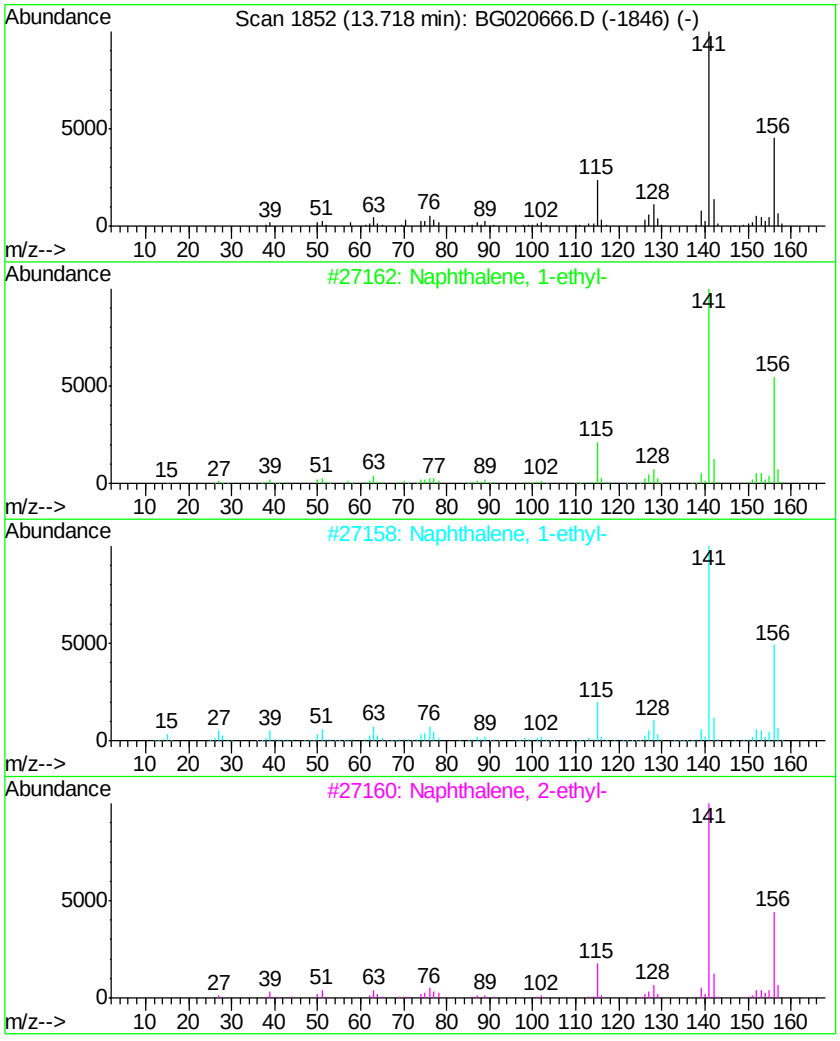
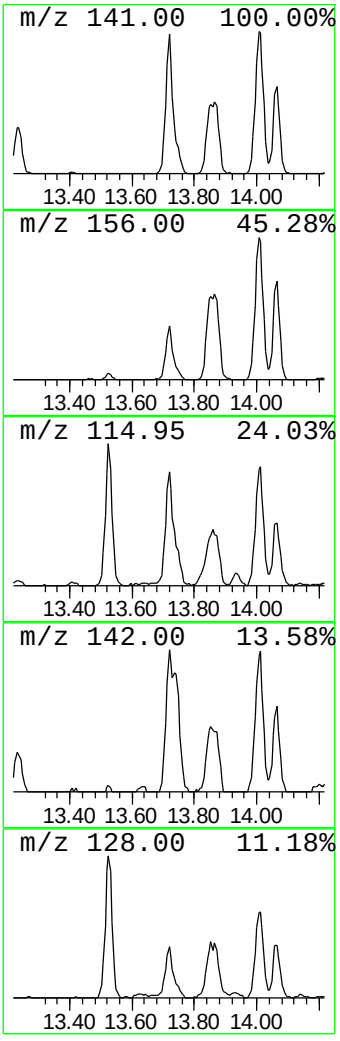
Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	26.09 ng/ul	331711	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	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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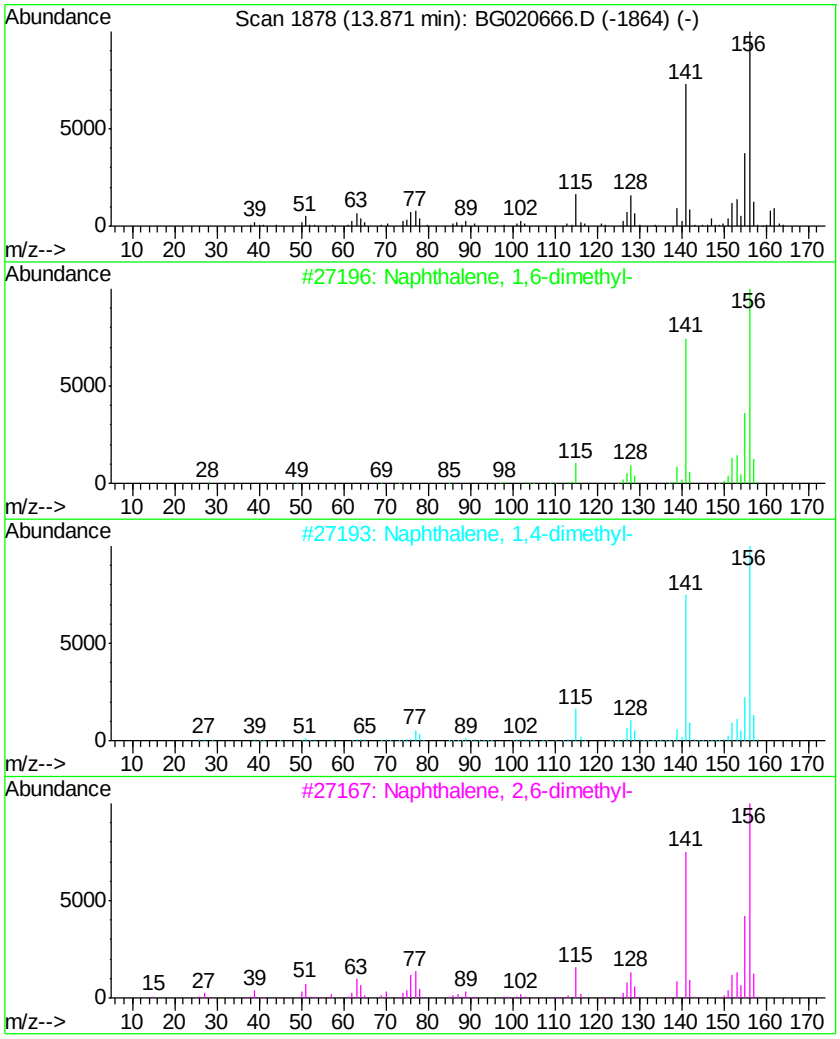
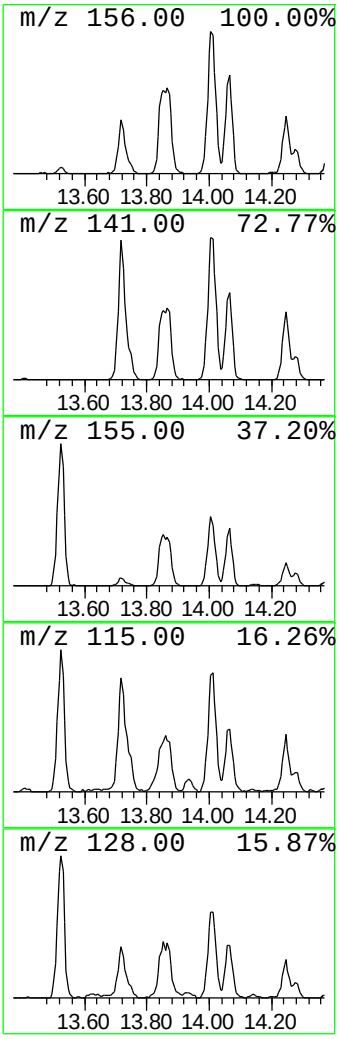
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	35.84 ng/ul	455777	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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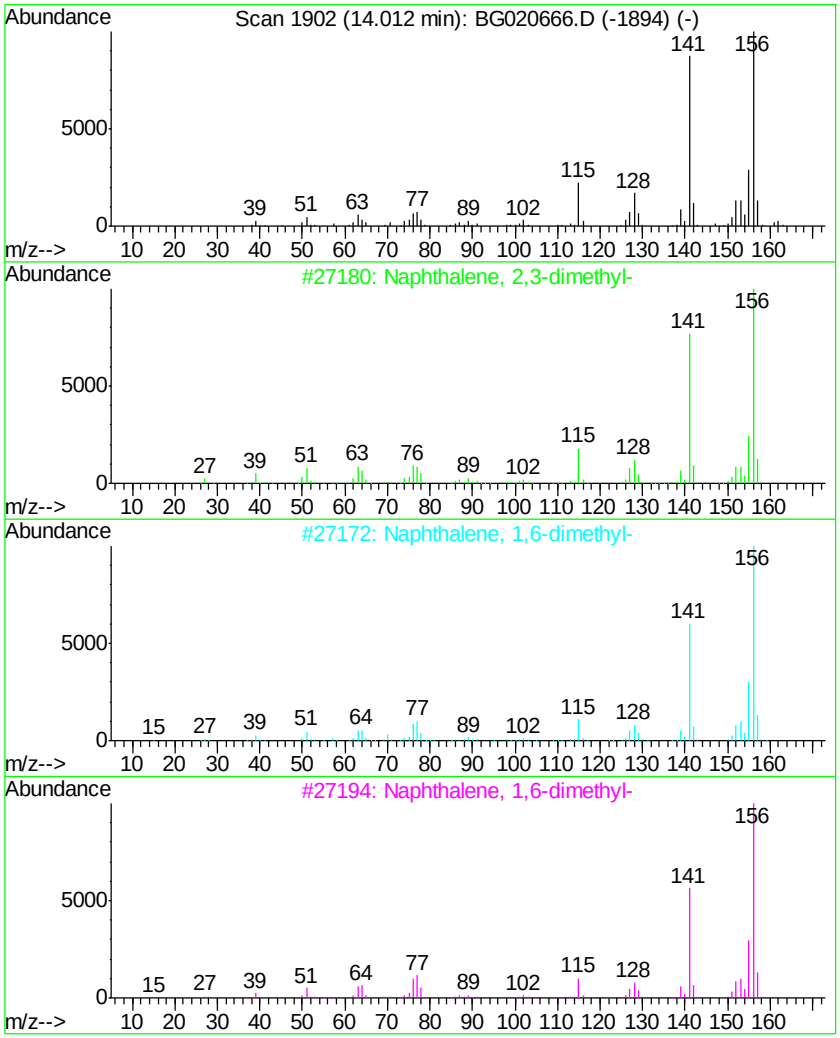
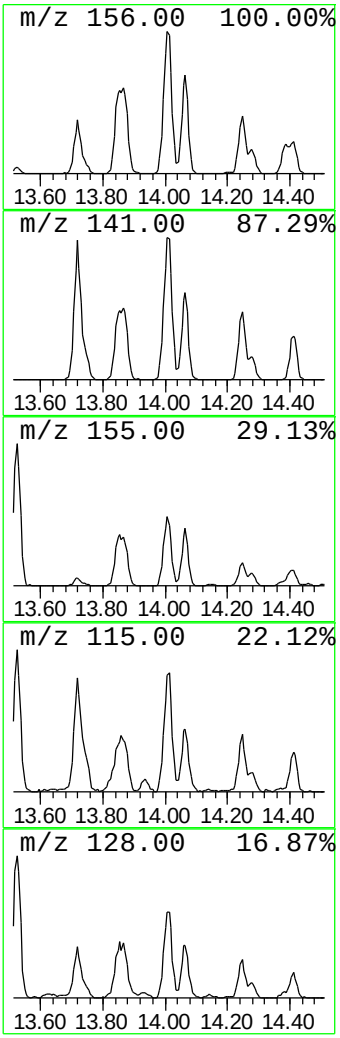
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	39.60 ng/ul	503571	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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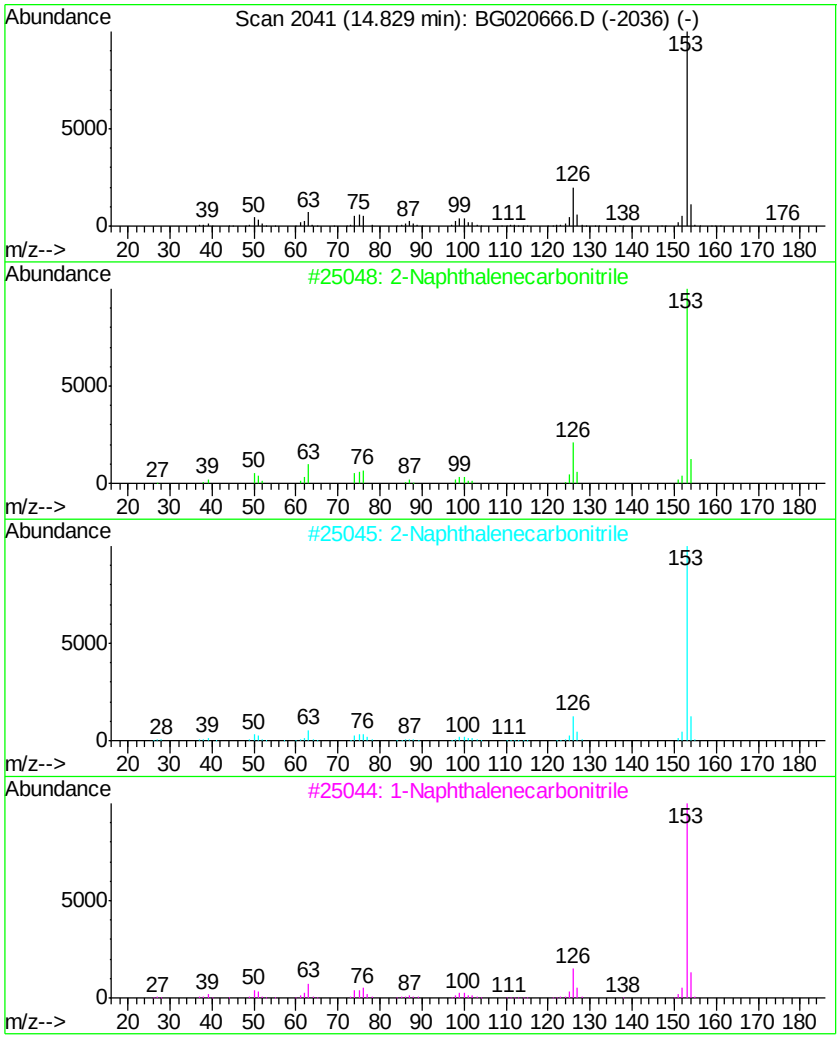
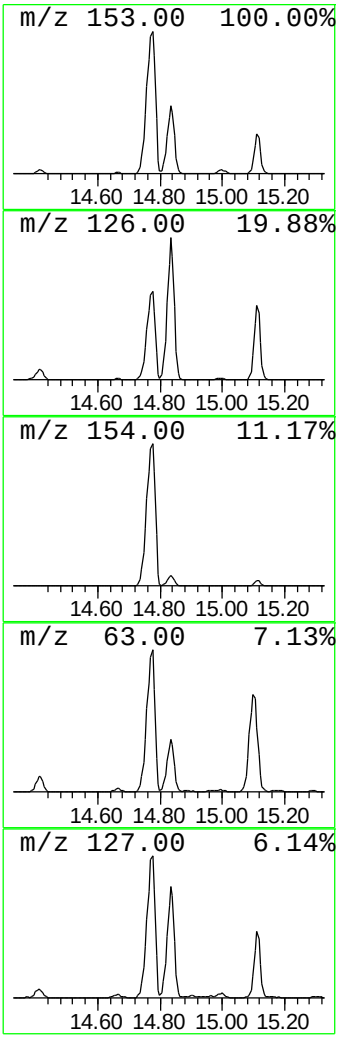
Peak Number 11 2-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	117.38 ng/ul	1492580	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	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





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Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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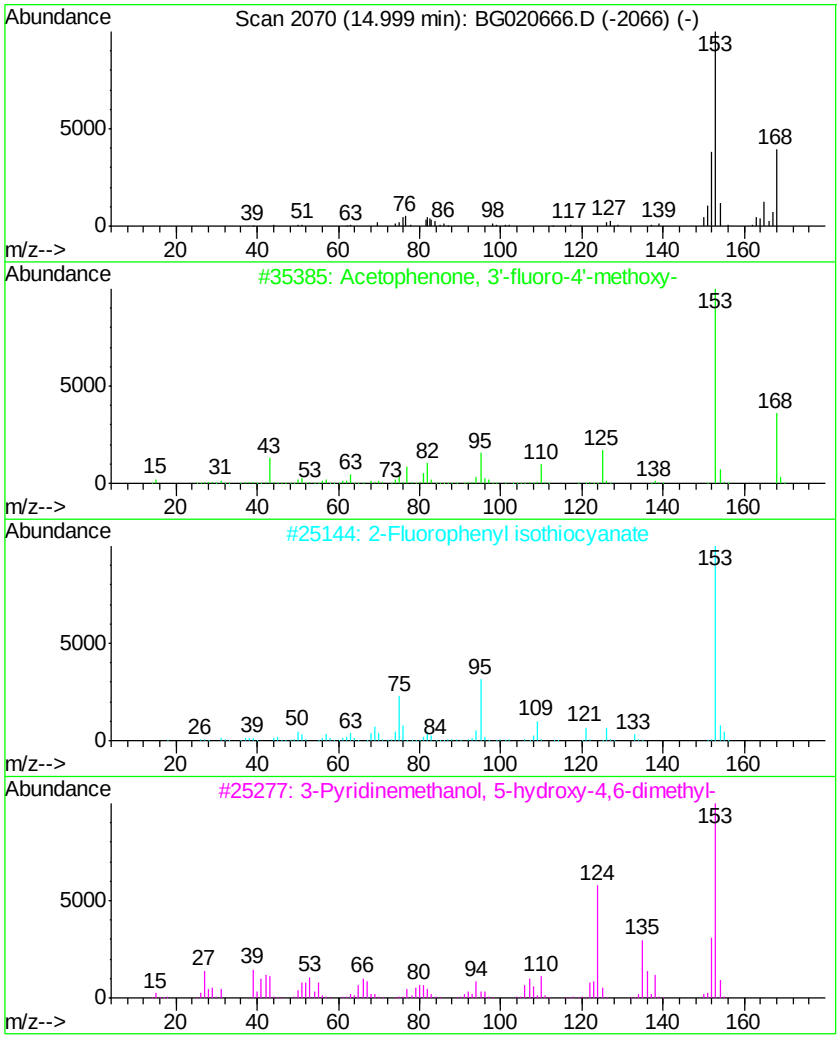
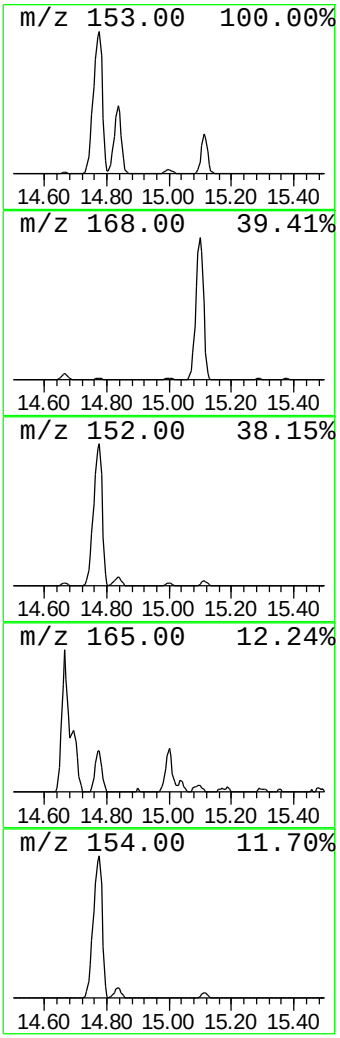
Peak Number 12 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	10.37 ng/ul	131886	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	28
2	2-Fluorophenyl isothiocyanate	153	C7H4FNS	038985-64-7	9
3	3-Pyridinemethanol, 5-hydroxy-4,...	153	C8H11NO2	000061-67-6	9
4	Hydrazine, (3-nitrophenyl)-	153	C6H7N3O2	000619-27-2	9
5	Octahydroquinolin-10-ol	153	C9H15NO	1000130-58-0	9





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Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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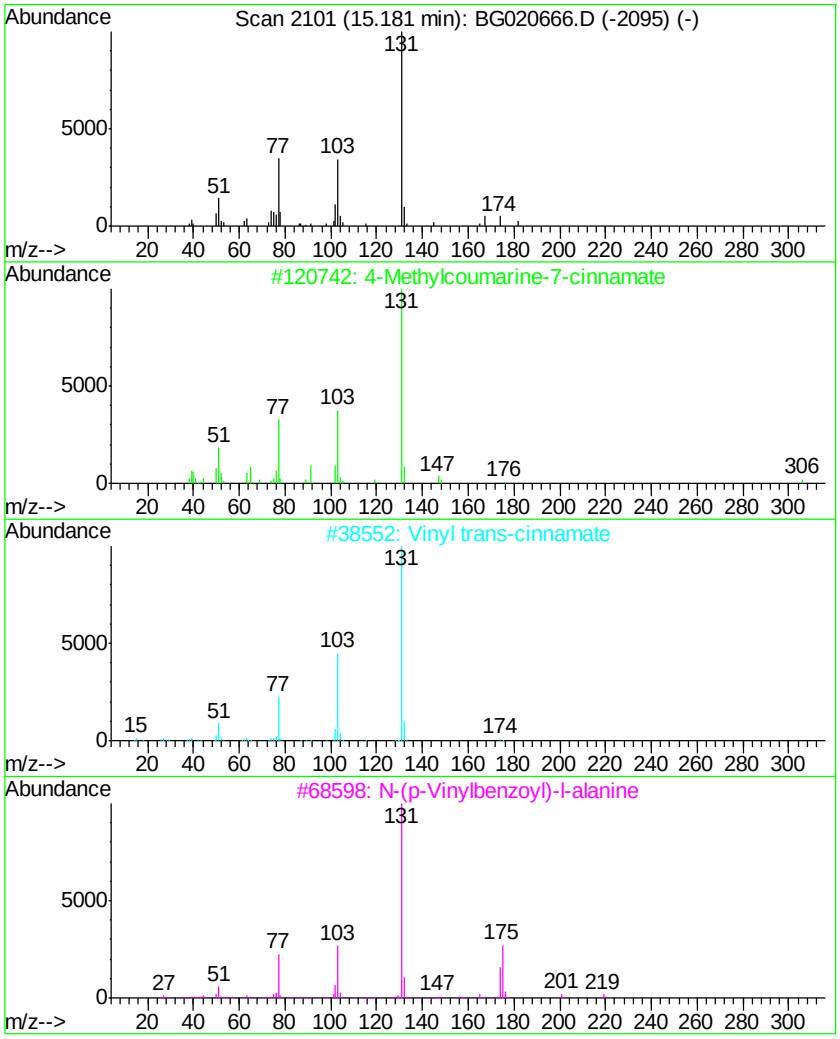
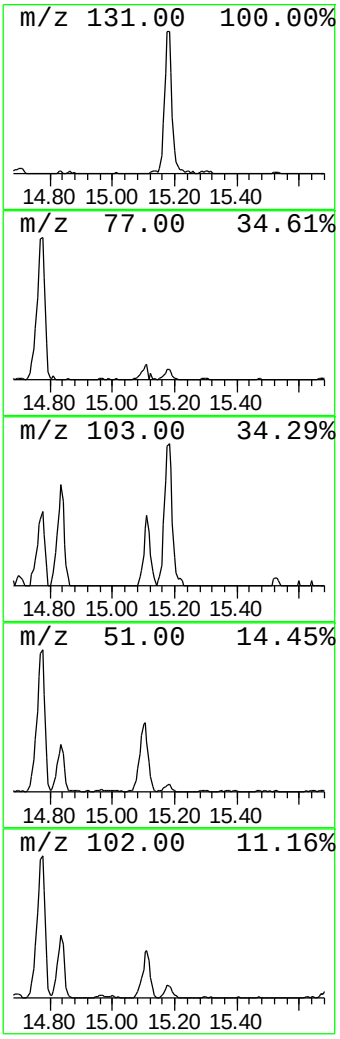
Peak Number 13 4-Methylcoumarine-7-cinnamate Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	6.96 ng/ul	88482	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	78
2	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	78
3	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	74
4	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	72
5	1-Penten-3-one, 4,4-dimethyl-1-p...	188	C13H16O	000538-44-3	64





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Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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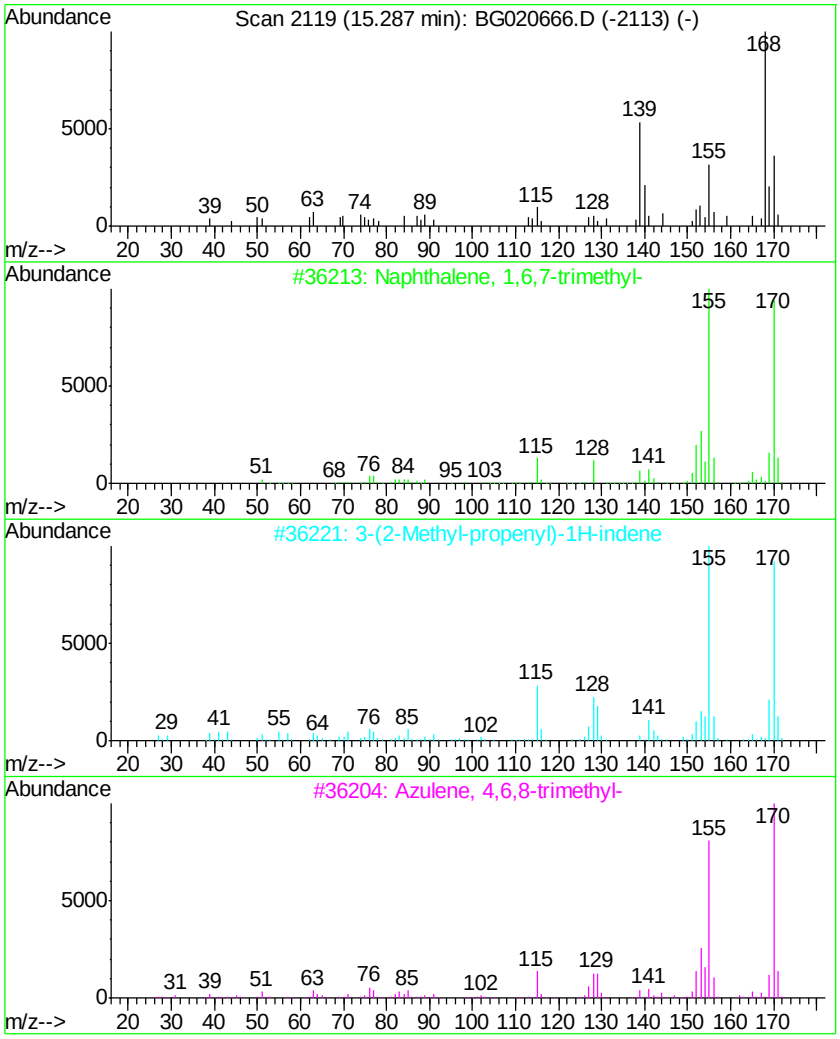
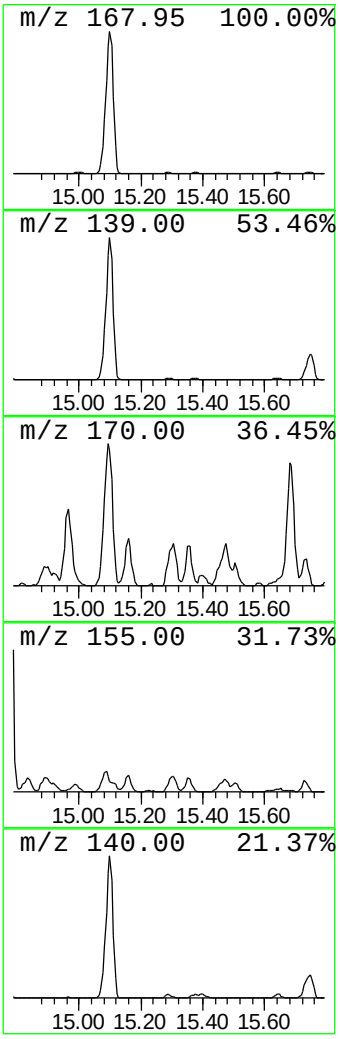
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	4.94 ng/ul	62838	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	62
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	60
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	52
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	46





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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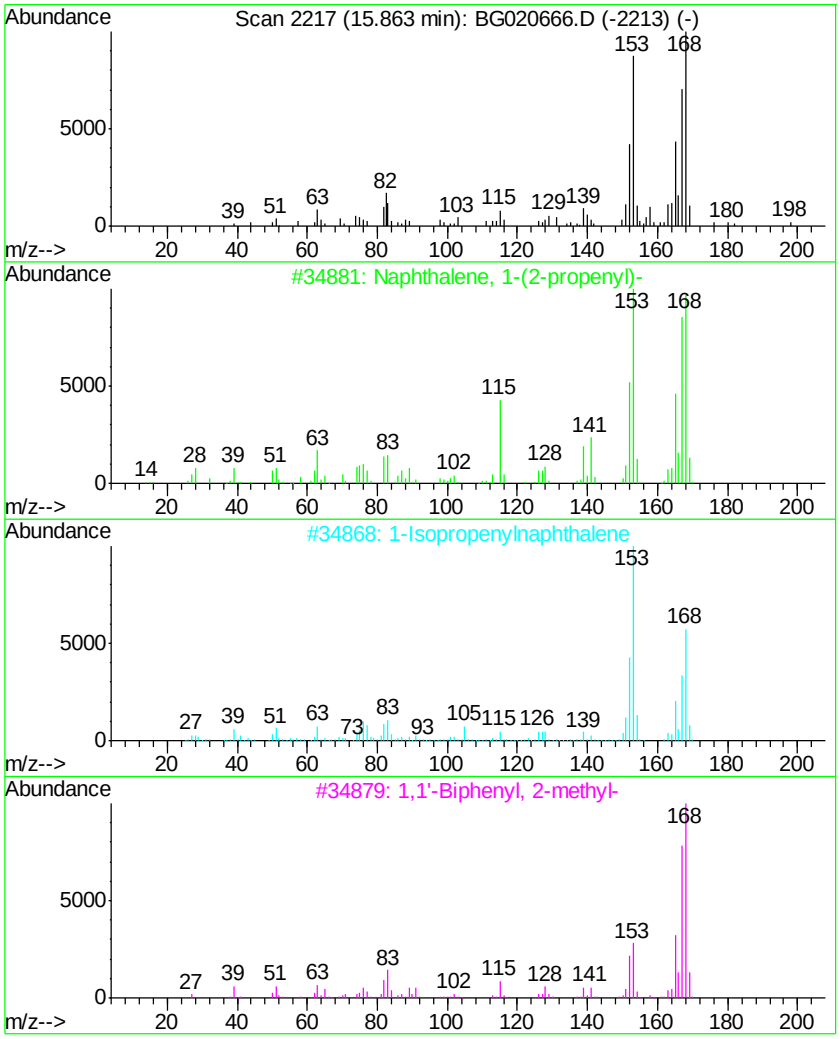
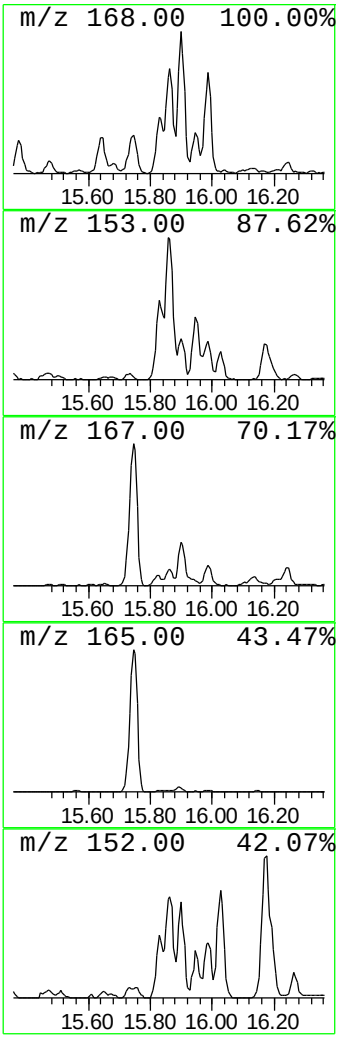
Peak Number 15 Naphthalene, 1-(2-propenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	15.02 ng/ul	191047	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	62
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





Library Search Compound Report

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Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

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

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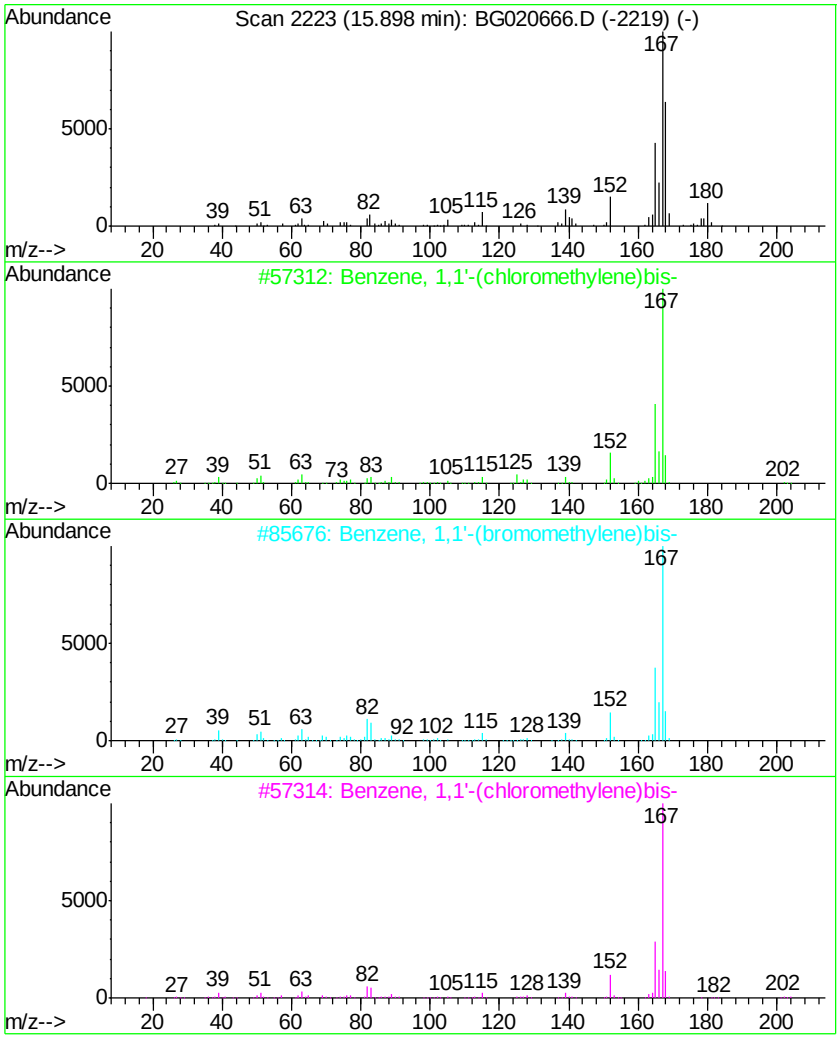
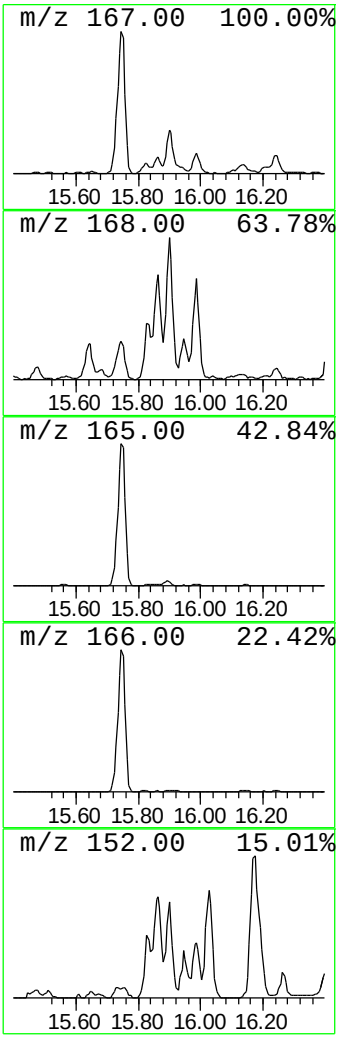
Peak Number 16 Benzene, 1,1'-(chloromethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	20.70 ng/ul	263201	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	59
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
3	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
4	Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	53
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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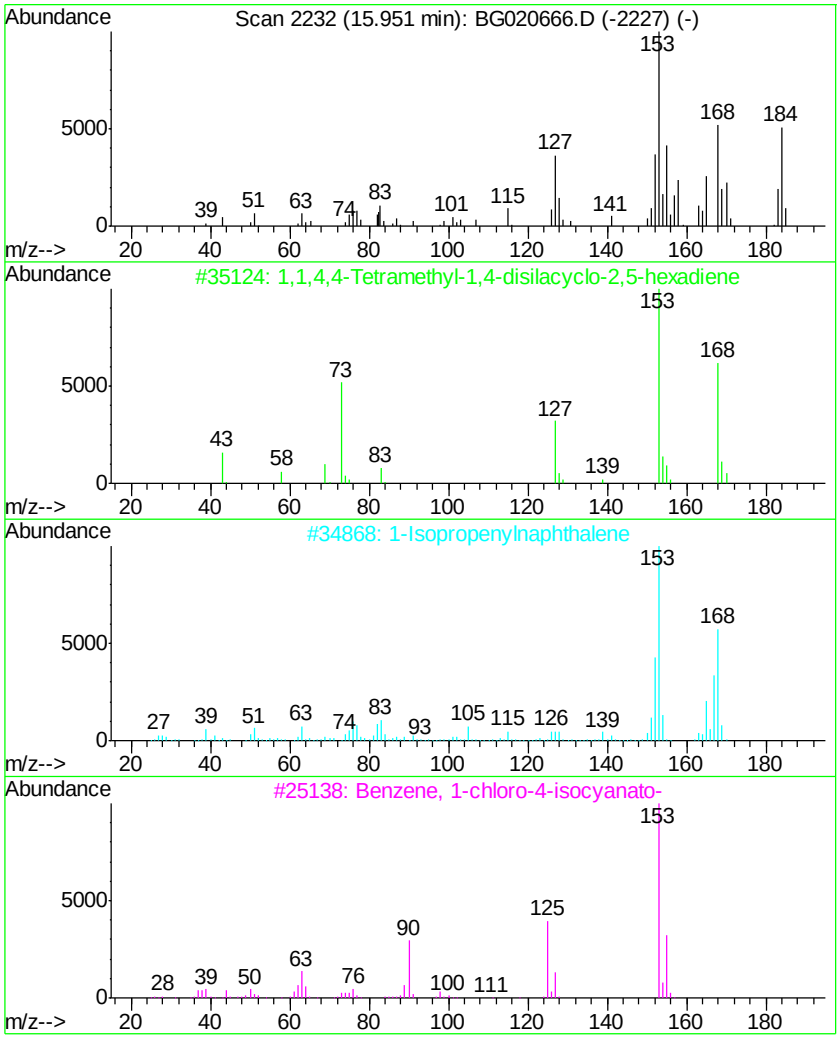
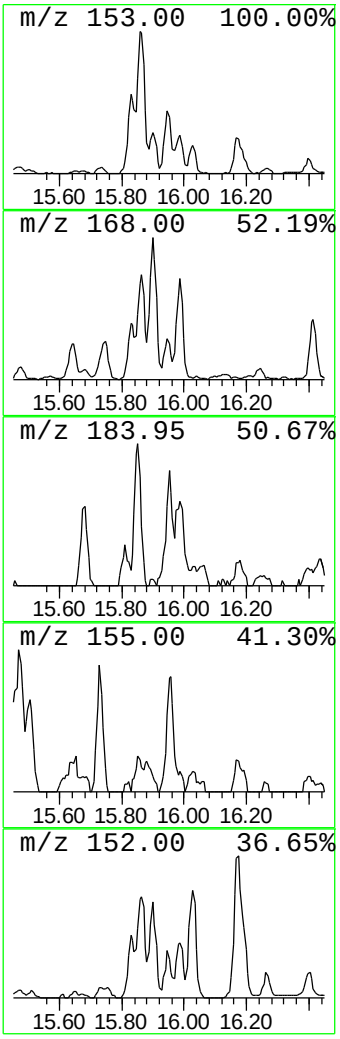
Peak Number 17 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	10.12 ng/ul	128636	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	38
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
3	Benzene, 1-chloro-4-isocyanato-	153	C7H4ClNO	000104-12-1	30
4	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	30
5	2,5-Furandicarboxylic acid, dime...	184	C8H8O5	004282-32-0	27





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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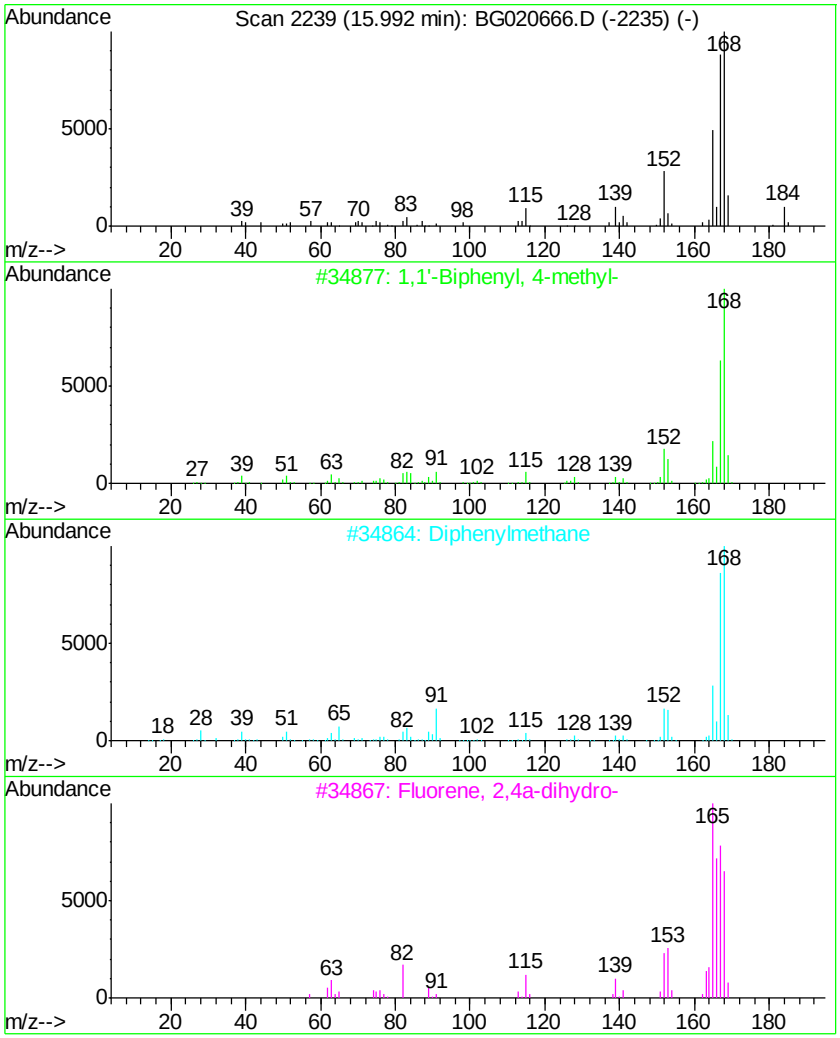
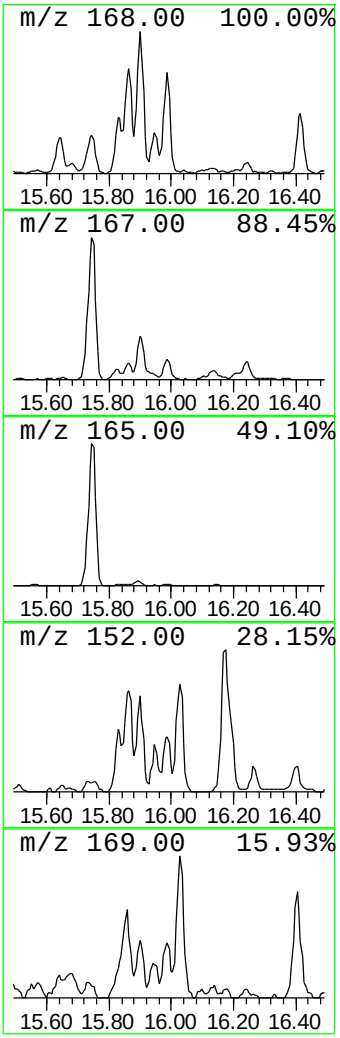
Peak Number 18 1,1'-Biphenyl, 4-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	9.38 ng/ul	119279	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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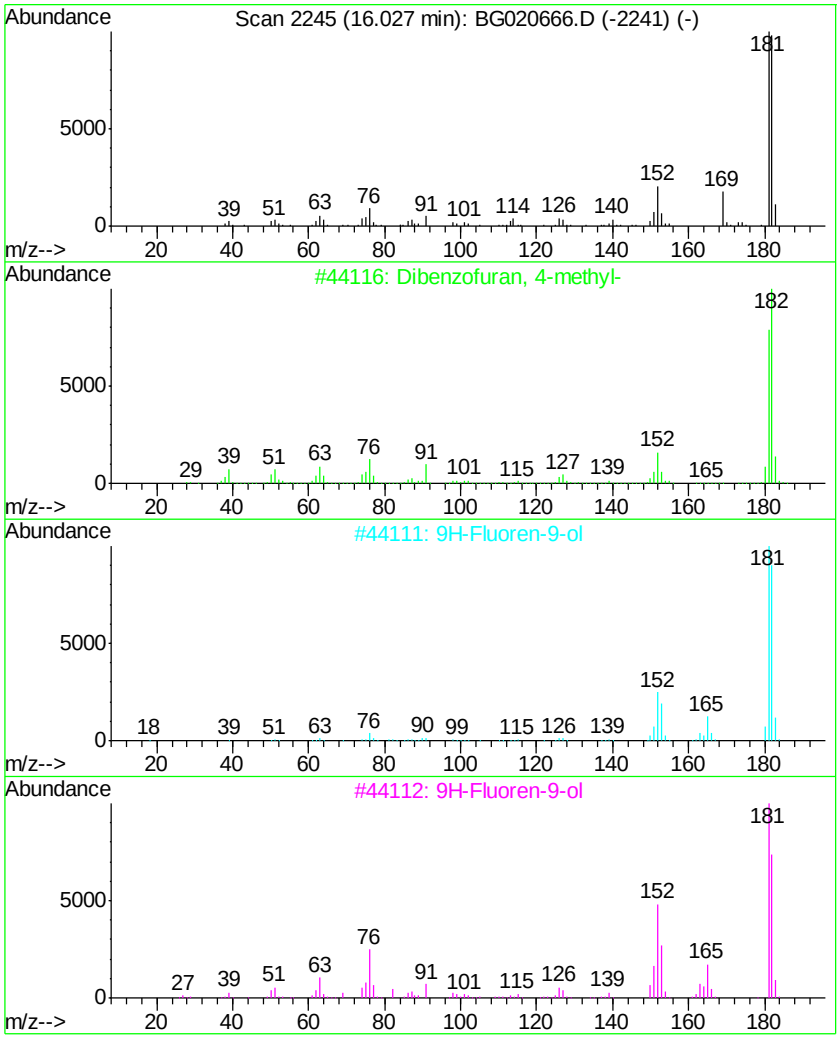
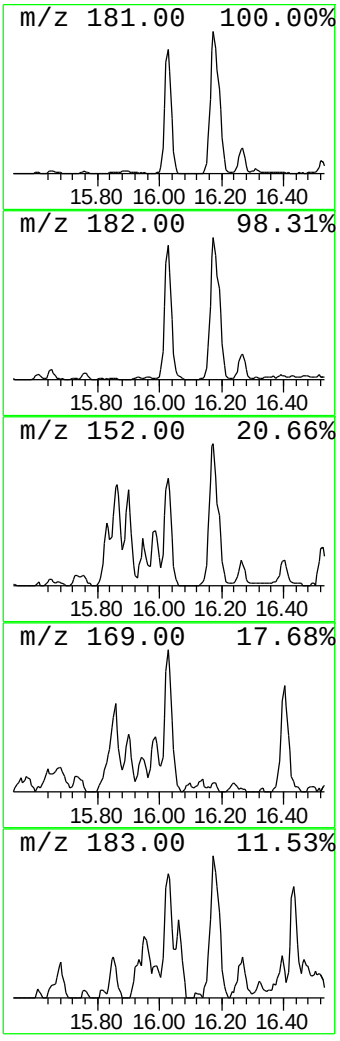
Peak Number 19 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	18.17 ng/ul	231072	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

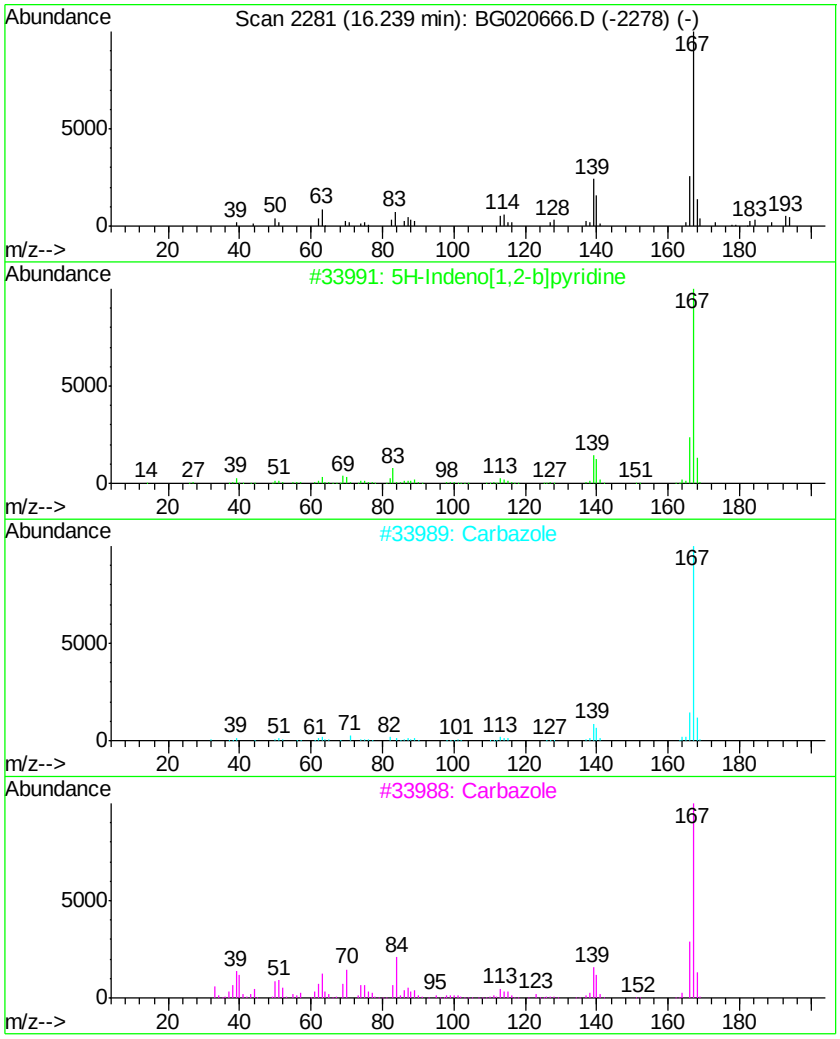
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

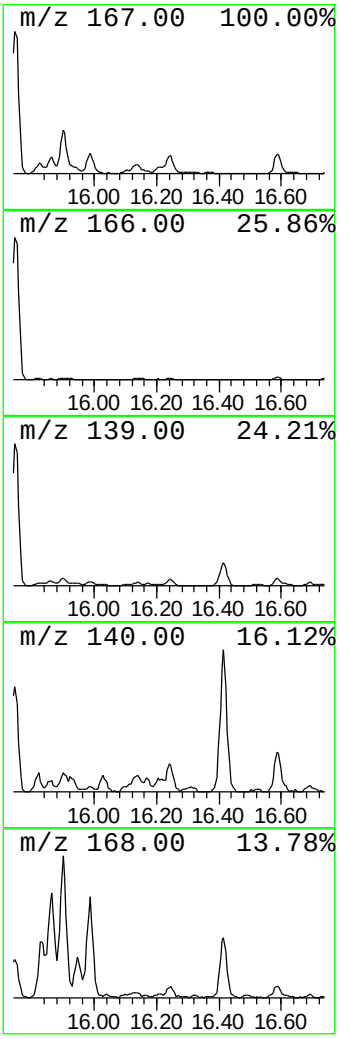
****

Peak Number 21 5H-Indeno[1,2-b]pyridine Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	5.42 ng/ul	94209	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	74
2	Carbazole	167	C12H9N	000086-74-8	74
3	Carbazole	167	C12H9N	000086-74-8	72
4	Carbazole	167	C12H9N	000086-74-8	72
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	64





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Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

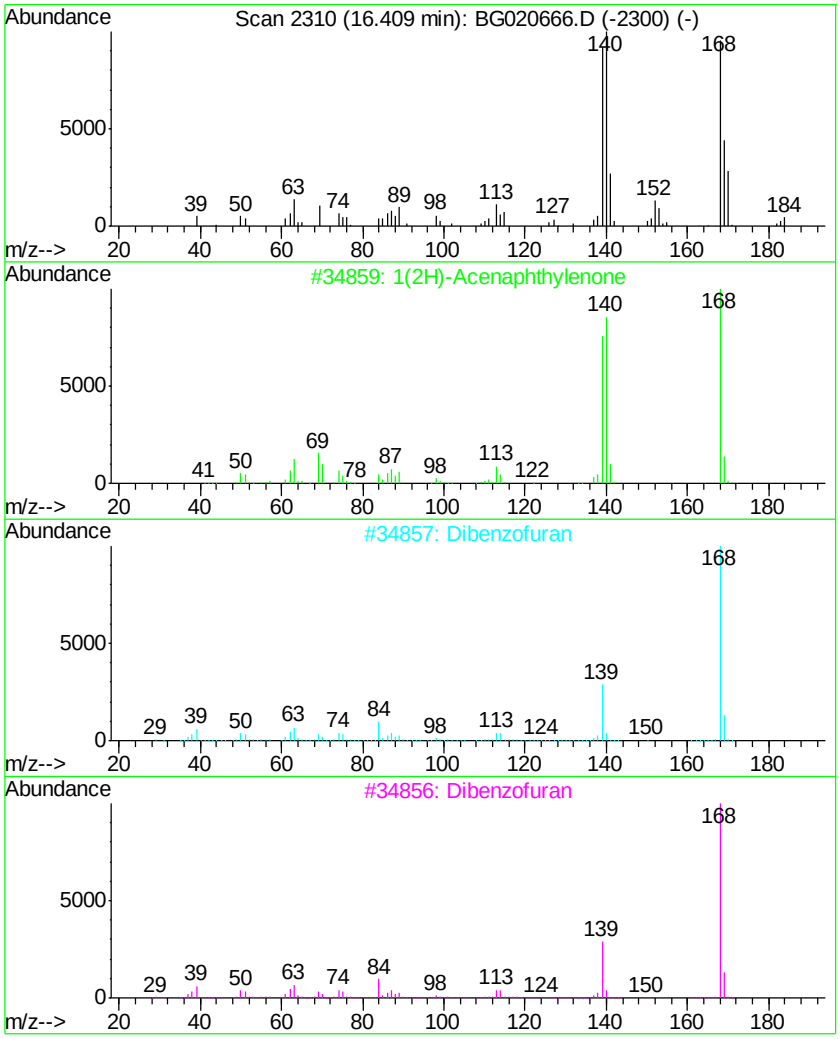
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

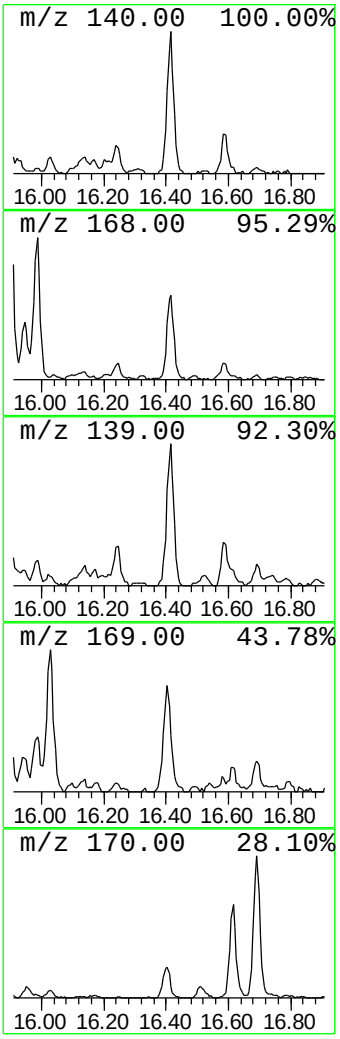
****

Peak Number 22 1(2H)-Acenaphthylenone Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	7.54 ng/ul	130911	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	Dibenzofuran	168	C12H8O	000132-64-9	43
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
5	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	35





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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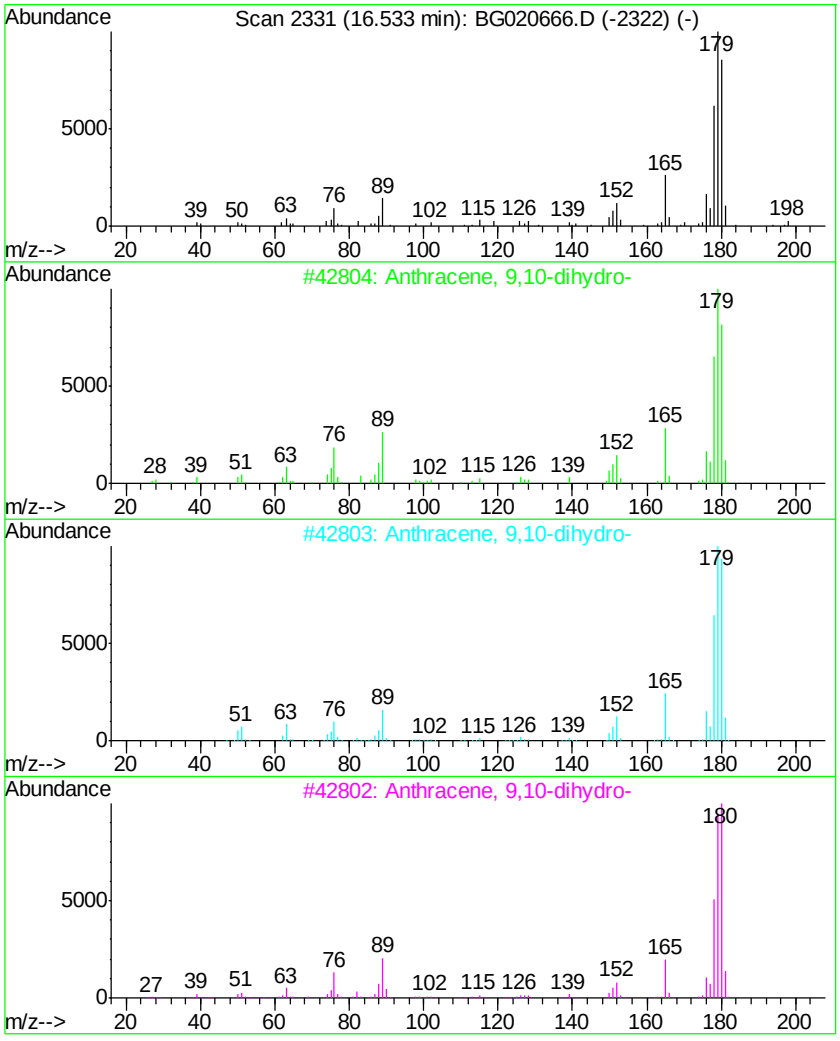
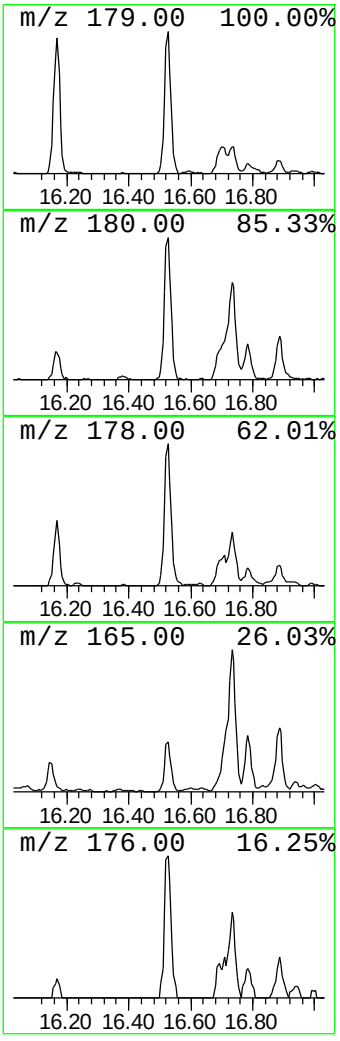
Peak Number 23 Anthracene, 9,10-dihydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	10.58 ng/ul	183860	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	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	92





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Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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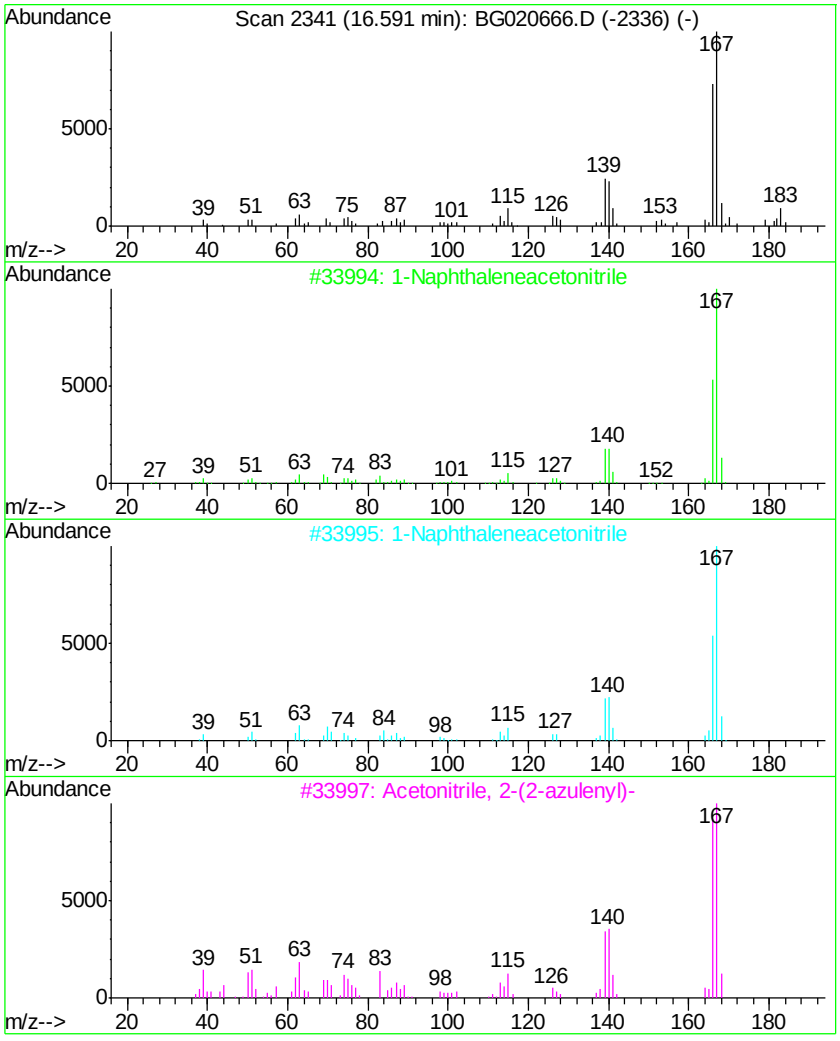
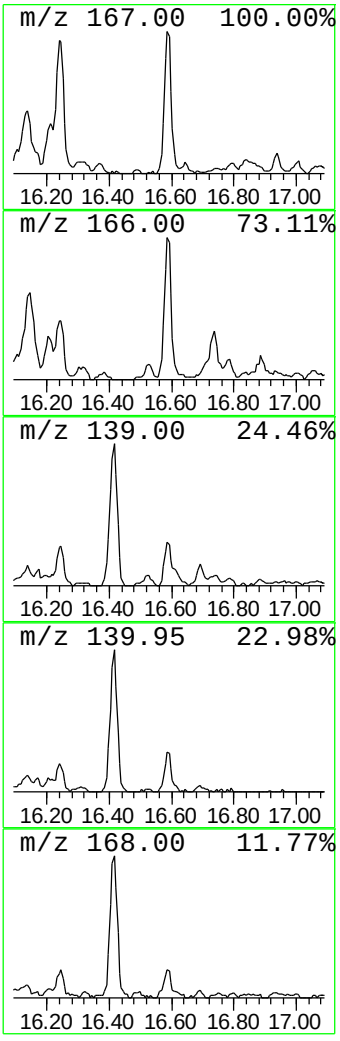
Peak Number 24 1-Naphthaleneacetonitrile Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	4.60 ng/ul	79935	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	95
2	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	93
3	Acetonitrile, 2-(2-azulenyl)-	167	C12H9N	054798-12-8	93
4	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	90
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	60





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Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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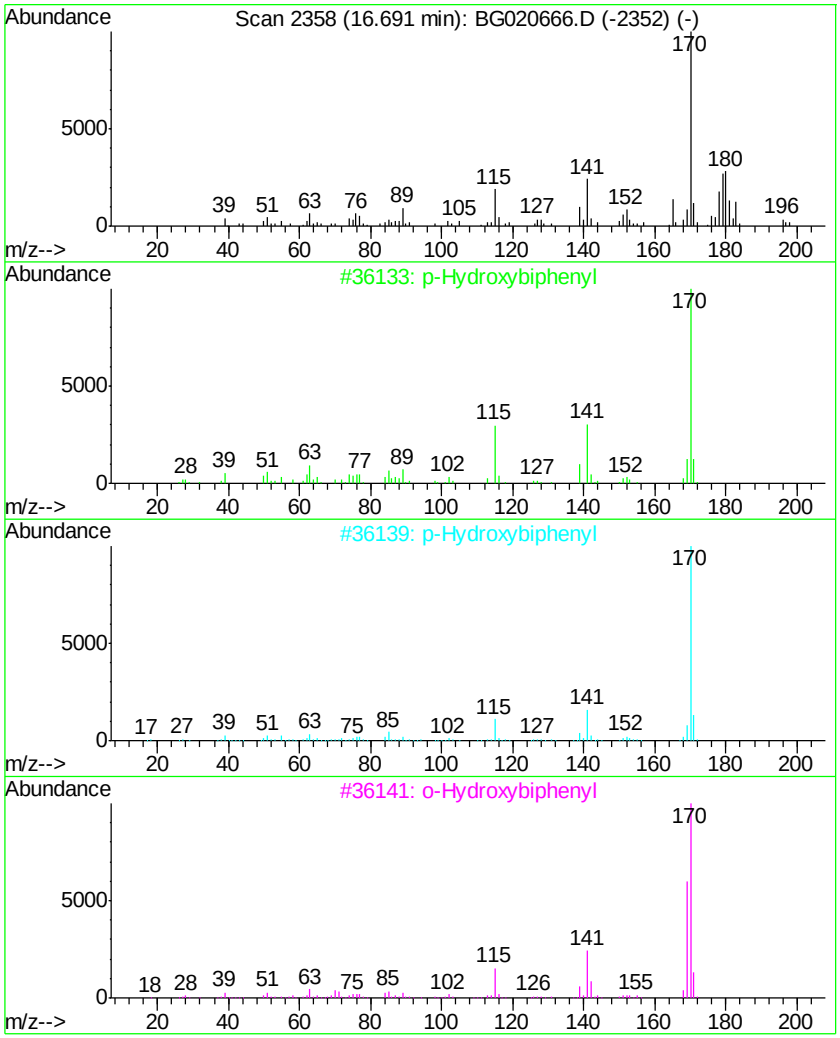
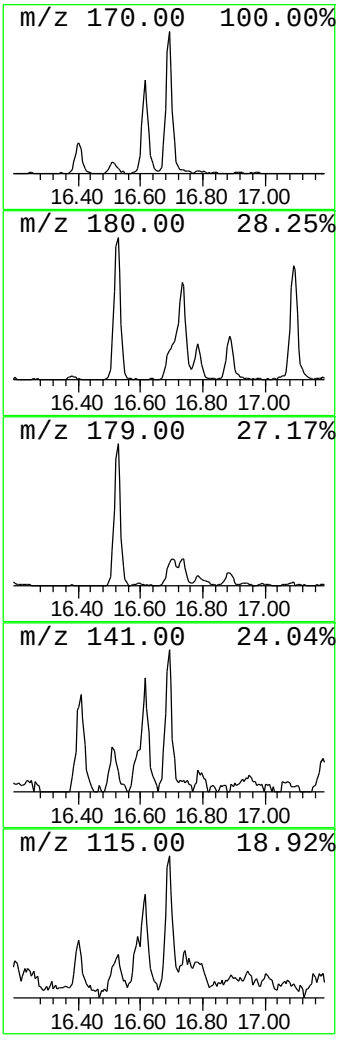
Peak Number 25 p-Hydroxybiphenyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	9.02 ng/ul	156745	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	60
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	60
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	60





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Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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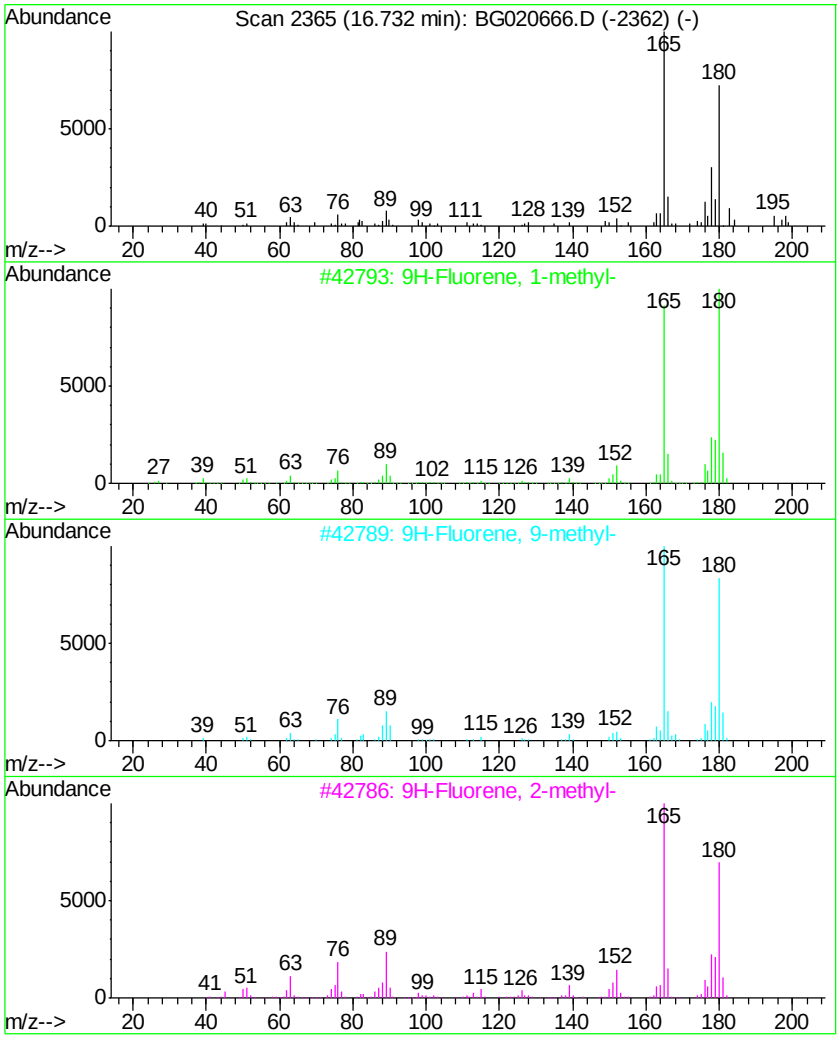
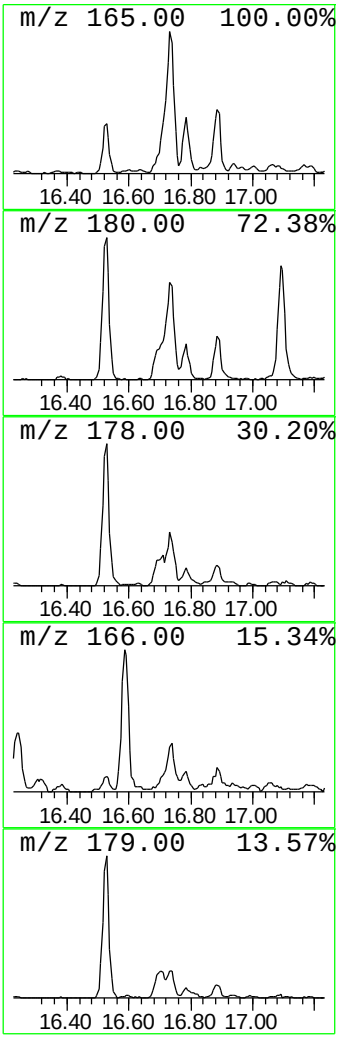
Peak Number 26 9H-Fluorene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	7.53 ng/ul	130874	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	62
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	52
4	Benzenamine, N-ethyl-N-methyl-4-...	180	C9H12N2O2	056269-48-8	52
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50





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Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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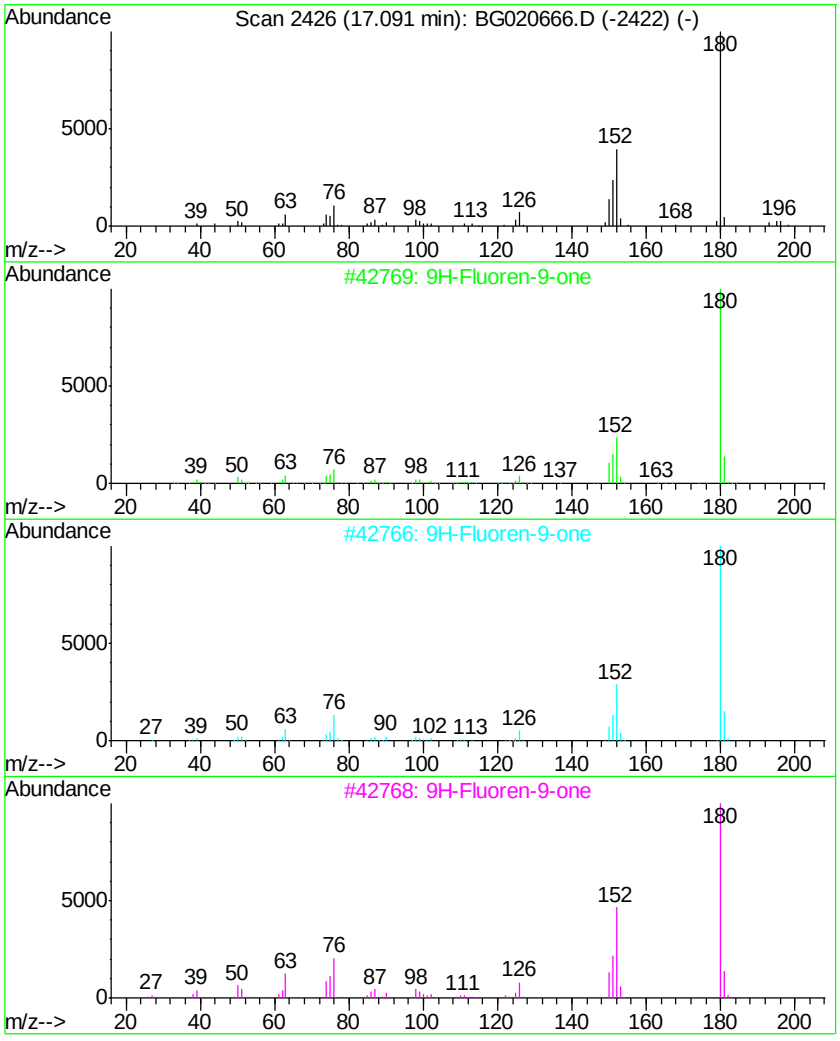
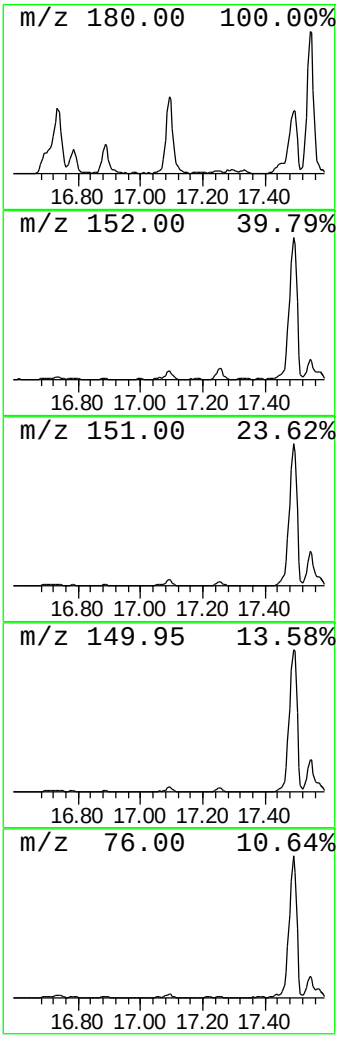
Peak Number 28 9H-Fluoren-9-one Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	5.77 ng/ul	100210	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Data File : BG020666.D
Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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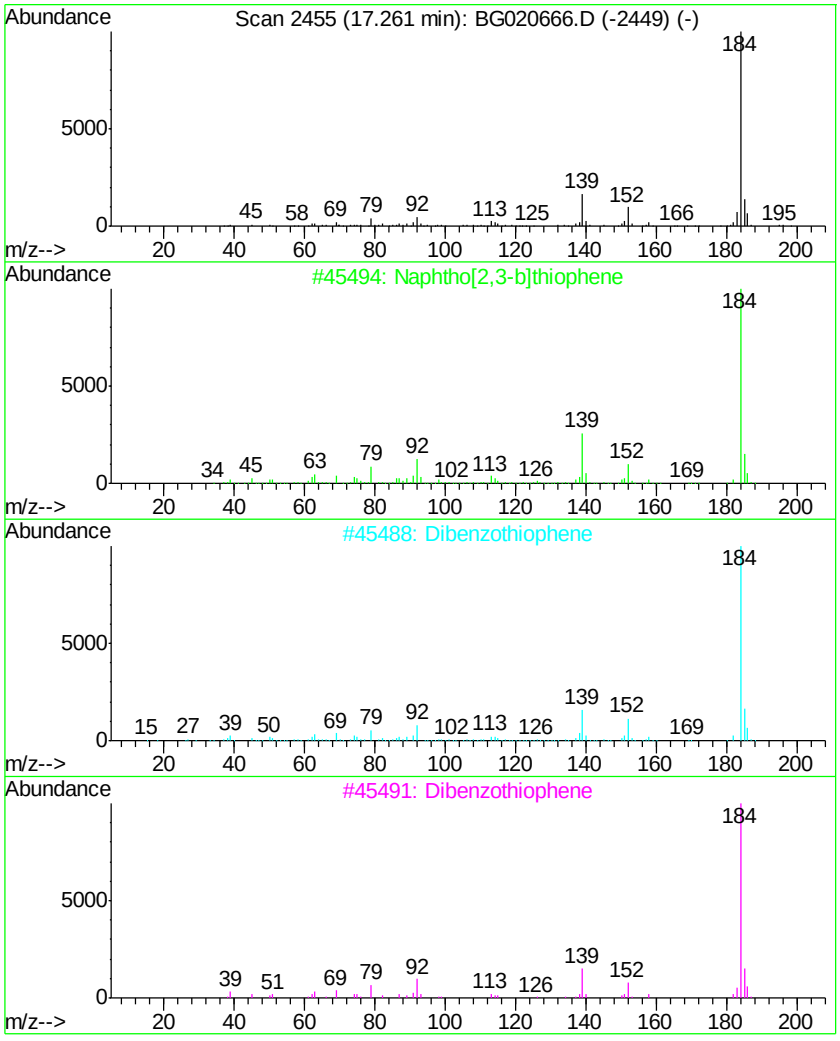
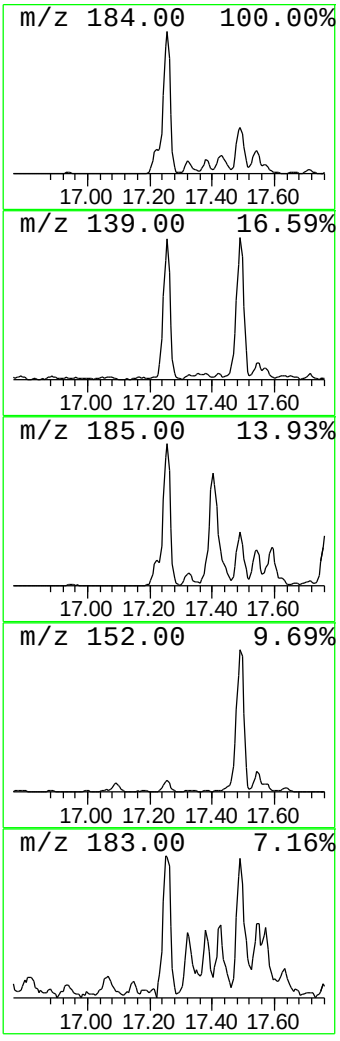
Peak Number 29 Naphtho[2,3-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	26.07 ng/ul	452879	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 5 Jan 2016 22:54
Operator : UM/SJ
Sample : G4846-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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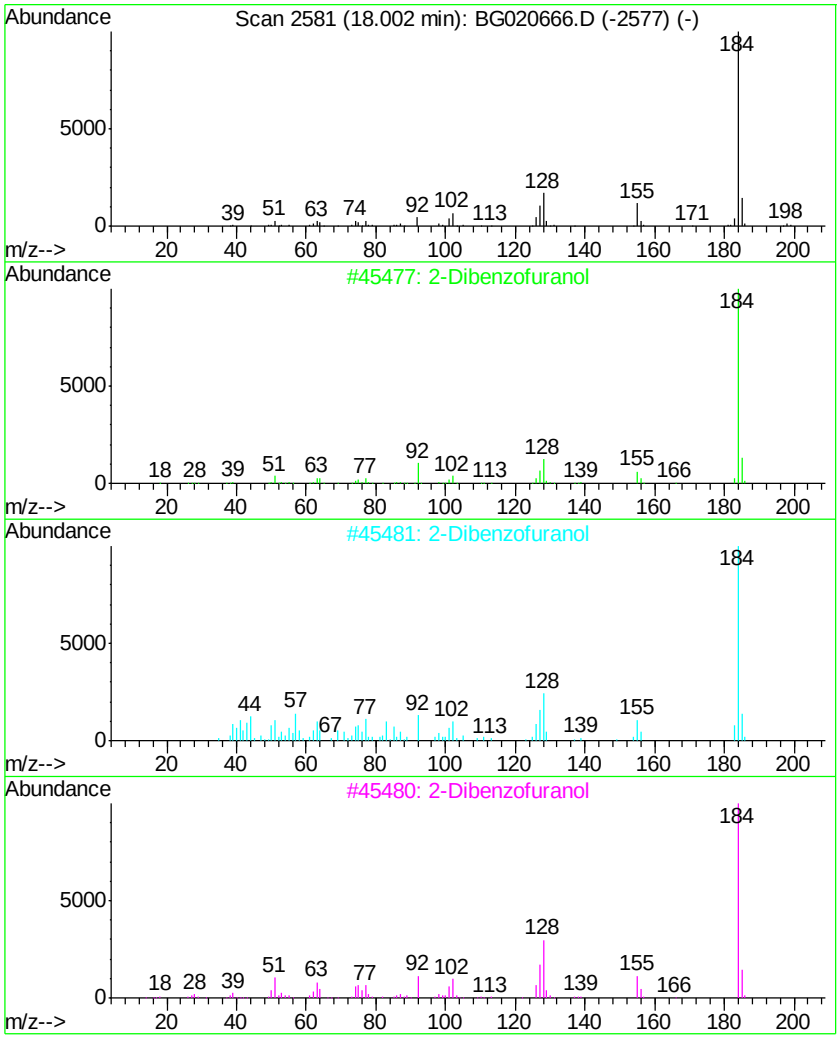
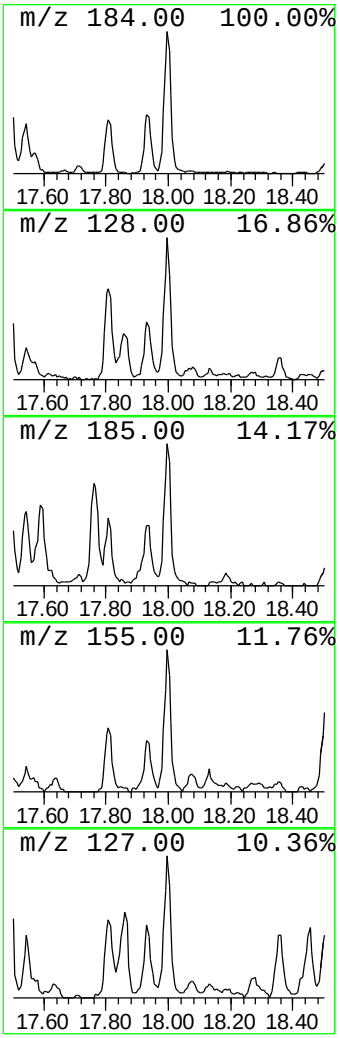
Peak Number 31 2-Dibenzofuranol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	14.79 ng/ul	256977	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	91
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87





Tentatively Identified Compound (LSC) summary

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Data File : BG020666.D
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Operator : UM/SJ
Sample : G4846-17
Misc :
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Instrument : BNA_G
ClientSampleId : D9N63

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
Benzene, 1-ethyl-...	7.69	14.2	ng/ul	72238	1	8.05	101841	20.0
Indane	8.42	33.7	ng/ul	171437	1	8.05	101841	20.0
Indene	8.59	191.2	ng/ul	973411	1	8.05	101841	20.0
Naphthalene, 1-me...	12.75	3.2	ng/ul	2891030	2	10.89	17934900	20.0
Cyclopropanecarbo...	13.16	5.7	ng/ul	72900	3	14.69	254316	20.0
Naphthalene, 1-et...	13.72	26.1	ng/ul	331711	3	14.69	254316	20.0
Naphthalene, 1,6-...	13.87	35.8	ng/ul	455777	3	14.69	254316	20.0
Naphthalene, 2,3-...	14.01	39.6	ng/ul	503571	3	14.69	254316	20.0
2-Naphthalenecarb...	14.83	117.4	ng/ul	1492580	3	14.69	254316	20.0
unknown-01	15.00	10.4	ng/ul	131886	3	14.69	254316	20.0
4-Methylcoumarine...	15.18	7.0	ng/ul	88482	3	14.69	254316	20.0
Naphthalene, 1,6,...	15.29	4.9	ng/ul	62838	3	14.69	254316	20.0
Naphthalene, 1-(2...	15.86	15.0	ng/ul	191047	3	14.69	254316	20.0
Benzene, 1,1'-(ch...	15.90	20.7	ng/ul	263201	3	14.69	254316	20.0
unknown-02	15.95	10.1	ng/ul	128636	3	14.69	254316	20.0
1,1'-Biphenyl, 4-...	15.99	9.4	ng/ul	119279	3	14.69	254316	20.0
Dibenzofuran, 4-m...	16.03	18.2	ng/ul	231072	3	14.69	254316	20.0
5H-Indeno[1,2-b]p...	16.24	5.4	ng/ul	94209	4	17.44	347463	20.0
1(2H)-Acenaphthyl...	16.41	7.5	ng/ul	130911	4	17.44	347463	20.0
Anthracene, 9,10-...	16.53	10.6	ng/ul	183860	4	17.44	347463	20.0
1-Naphthaleneacet...	16.59	4.6	ng/ul	79935	4	17.44	347463	20.0
p-Hydroxybiphenyl	16.69	9.0	ng/ul	156745	4	17.44	347463	20.0
9H-Fluorene, 1-me...	16.73	7.5	ng/ul	130874	4	17.44	347463	20.0
9H-Fluoren-9-one	17.09	5.8	ng/ul	100210	4	17.44	347463	20.0
Naphtho[2,3-b]thi...	17.26	26.1	ng/ul	452879	4	17.44	347463	20.0
2-Dibenzofuranol	18.00	14.8	ng/ul	256977	4	17.44	347463	20.0