LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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-BG121415.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	3.126	44	49	59	rBV	28067	53637	1.82%	0.233%
2	7.245	744	750	761	rVB	87636	152322	5.16%	0.663%
3	7.421	773	780	789	rVB	66169	107062	3.63%	0.466%
4	7.627	809	815	822	rBV	85158	140471	4.76%	0.611%
5	8.097	890	895	902	rVB	69888	119308	4.04%	0.519%
6	8.796	1008	1014	1023	rBV	116648	198417	6.72%	0.863%
7	9.266	1085	1094	1101	rVB	90999	155540	5.27%	0.677%
8	9.988	1211	1217	1228	rVB	80695	139184	4.72%	0.605%
9	10.529	1300	1309	1320	rBV	125110	217873	7.38%	0.948%
10	10.917	1367	1375	1379	rBV	105106	188940	6.40%	0.822%
11	10.970	1379	1384	1391	rVV	257026	442631	15.00%	1.926%
12	11.046	1391	1397	1410	rVB	117621	223885	7.59%	0.974%
13	12.568	1648	1656	1663	rBV	192470	316187	10.71%	1.375%
14	12.785	1681	1693	1700	rBV	98728	167137	5.66%	0.727%
15	13.561	1818	1825	1831	rBV	90261	140934	4.78%	0.613%
16	13.761	1853	1859	1868	rVB	30407	49724	1.68%	0.216%
17	13.890	1874	1881	1882	rBV	33767	45755	1.55%	0.199%
18	14.048	1901	1908	1913	rVV	53452	95189	3.23%	0.414%
19	14.131	1913	1922	1926	rVV	271717	455237	15.42%	1.980%
20	14.172	1926	1929	1936	rVB	115214	162419	5.50%	0.707%
21	14.283	1942	1948	1952	rBV2	22118	34540	1.17%	0.150%
22	14.424	1965	1972	1985	rVB	279906	486773	16.49%	2.118%
23	14.695	2013	2018	2020	rBV	41887	58550	1.98%	0.255%
24	14.730	2020	2024	2029	rVV2	187398	299276	10.14%	1.302%
25	14.795	2029	2035	2041	rVV	557755	864415	29.29%	3.760%
26	14.853	2041	2045	2049	rVV	31754	45940	1.56%	0.200%
27	14.912	2049	2055	2066	rVV2	129402	227963	7.72%	0.992%
28	15.036	2072	2076	2081	rVV	20583	31746	1.08%	0.138%
29	15.124	2085	2091	2099	rVV	389426	624727	21.17%	2.718%
30	15.194	2099	2103	2115	rVB4	14708	28431	0.96%	0.124%
31	15.553	2160	2164	2169	rVV3	18800	27640	0.94%	0.120%
32	15.717	2182	2192	2197	rVV	369831	595226	20.17%	2.589%
33	15.776	2197	2202	2207	rVV	542976	820686	27.81%	3.570%
34	15.829	2207	2211	2215	rVV	127372	187930	6.37%	0.818%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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-BG121415.M
Title : SVOA CALIBRATION

35	15.870	2215	2218	2219	rVV2	22384	27665	0.94%	0.120%
36	15.899	2219	2223	2225	rVV	37284	57732	1.96%	0.251%
37	15.934	2225	2229	2234	rVV2	69966	118754	4.02%	0.517%
38	15.981	2234	2237	2240	rVV2	15915	25225	0.85%	0.110%
39	16.023	2240	2244	2247	rVV2	31647	50413	1.71%	0.219%
40	16.064	2247	2251	2257	rVB	78706	114010	3.86%	0.496%
41	16.211	2265	2276	2284	rBV	82686	178244	6.04%	0.775%
42	16.434	2305	2314	2321	rBV3	56643	113157	3.83%	0.492%
43	16.563	2332	2336	2342	rVV	31735	47958	1.62%	0.209%
44	16.775	2360	2372	2376	rVV2	60204	136580	4.63%	0.594%
45	16.822	2376	2380	2386	rVV4	25234	49070	1.66%	0.213%
46	16.922	2392	2397	2402	rVV3	26594	45758	1.55%	0.199%
47	16.998	2402	2410	2413	rVV4	22042	46854	1.59%	0.204%
48	17.039	2413	2417	2421	rVV2	25151	45643	1.55%	0.199%
49	17.086	2421	2425	2428	rVV3	13093	28161	0.95%	0.123%
50	17.121	2428	2431	2437	rVV4	25550	41308	1.40%	0.180%
51	17.209	2438	2446	2452	rVV4	30521	77897	2.64%	0.339%
52	17.292	2454	2460	2471	rVB	144749	222433	7.54%	0.968%
53	17.474	2485	2491	2494	rBV	256744	424351	14.38%	1.846%
54	17.521	2494	2499	2504	rVV	1942355	2951396	100.00%	12.839%
55	17.574	2504	2508	2512	rVV2	451300	711812	24.12%	3.096%
56	17.603	2512	2513	2518	rVV	135659	143143	4.85%	0.623%
57	17.868	2552	2558	2569	rVV	99058	171194	5.80%	0.745%
58	17.991	2575	2579	2583	rVV	29848	42638	1.44%	0.185%
59	18.056	2586	2590	2598	rVB5	13184	26095	0.88%	0.114%
60	18.343	2634	2639	2643	rBV	189999	263904	8.94%	1.148%
61	18.390	2643	2647	2653	rVB	162538	235619	7.98%	1.025%
62	18.473	2655	2661	2667	rVB	47160	70593	2.39%	0.307%
63	18.543	2667	2673	2677	rBV2	250598	402589	13.64%	1.751%
64	18.837	2718	2723	2728	rVV	103004	142649	4.83%	0.621%
65	19.084	2759	2765	2769	rBV3	19058	26948	0.91%	0.117%
66	19.254	2787	2794	2799	rBV2	29796	57442	1.95%	0.250%
67	19.319	2799	2805	2808	rBV3	17441	30555	1.04%	0.133%
68	19.389	2813	2817	2826	rVB6	11460	26558	0.90%	0.116%
69	19.519	2832	2839	2845	rVV	1148470	1674178	56.72%	7.283%
70	19.613	2851	2855	2859	rVV3	41084	57335	1.94%	0.249%
71	19.759	2874	2880	2889	rVB3	46760	77136	2.61%	0.336%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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-BG121415.M
Title : SVOA CALIBRATION

72	19.853	2889	2896	2898	rBV3	682646	1076040	36.46%	4.681%
73	19.883	2898	2901	2908	rVV	731785	1035495	35.08%	4.505%
74	19.942	2908	2911	2919	rVB3	33974	53251	1.80%	0.232%
75	20.053	2923	2930	2936	rBV	39404	59473	2.02%	0.259%
76	20.188	2945	2953	2960	rBV5	39467	103401	3.50%	0.450%
77	20.247	2960	2963	2968	rVV	23371	36853	1.25%	0.160%
78	20.365	2971	2983	2988	rVB	119813	220727	7.48%	0.960%
79	20.464	2995	3000	3004	rBV	136170	182634	6.19%	0.794%
80	20.523	3004	3010	3014	rVV4	38526	78913	2.67%	0.343%
81	20.558	3014	3016	3020	rVV2	24443	29877	1.01%	0.130%
82	20.664	3029	3034	3038	rBV	19418	28962	0.98%	0.126%
83	20.746	3038	3048	3054	rVV2	166188	261641	8.86%	1.138%
84	21.316	3139	3145	3149	rBV	32061	47895	1.62%	0.208%
85	21.363	3149	3153	3158	rVV2	88883	147809	5.01%	0.643%
86	21.410	3158	3161	3166	rVV3	30797	53931	1.83%	0.235%
87	21.739	3207	3217	3222	rBV2	337380	817278	27.69%	3.555%
88	21.786	3222	3225	3232	rVB	121933	198803	6.74%	0.865%
89	21.945	3246	3252	3258	rVB2	31559	54879	1.86%	0.239%
90	22.157	3281	3288	3295	rVB3	16610	32302	1.09%	0.141%
91	22.486	3335	3344	3350	rVV4	11577	27640	0.94%	0.120%
92	23.232	3460	3471	3478	rBV10	12409	34840	1.18%	0.152%
93	23.972	3588	3597	3605	rBV3	34761	120441	4.08%	0.524%
94	24.707	3714	3722	3727	rBV3	14357	40850	1.38%	0.178%
95	24.789	3727	3736	3745	rVV	263461	719466	24.38%	3.130%
96	24.853	3745	3747	3755	rVB2	22004	44184	1.50%	0.192%
97	25.018	3762	3775	3784	rBV	168475	490905	16.63%	2.136%
98	26.175	3963	3972	3982	rVB6	11782	34201	1.16%	0.149%
99	27.562	4199	4208	4221	rVB3	12676	41793	1.42%	0.182%
100	31.246	4821	4835	4846	rBV3	9221	44623	1.51%	0.194%

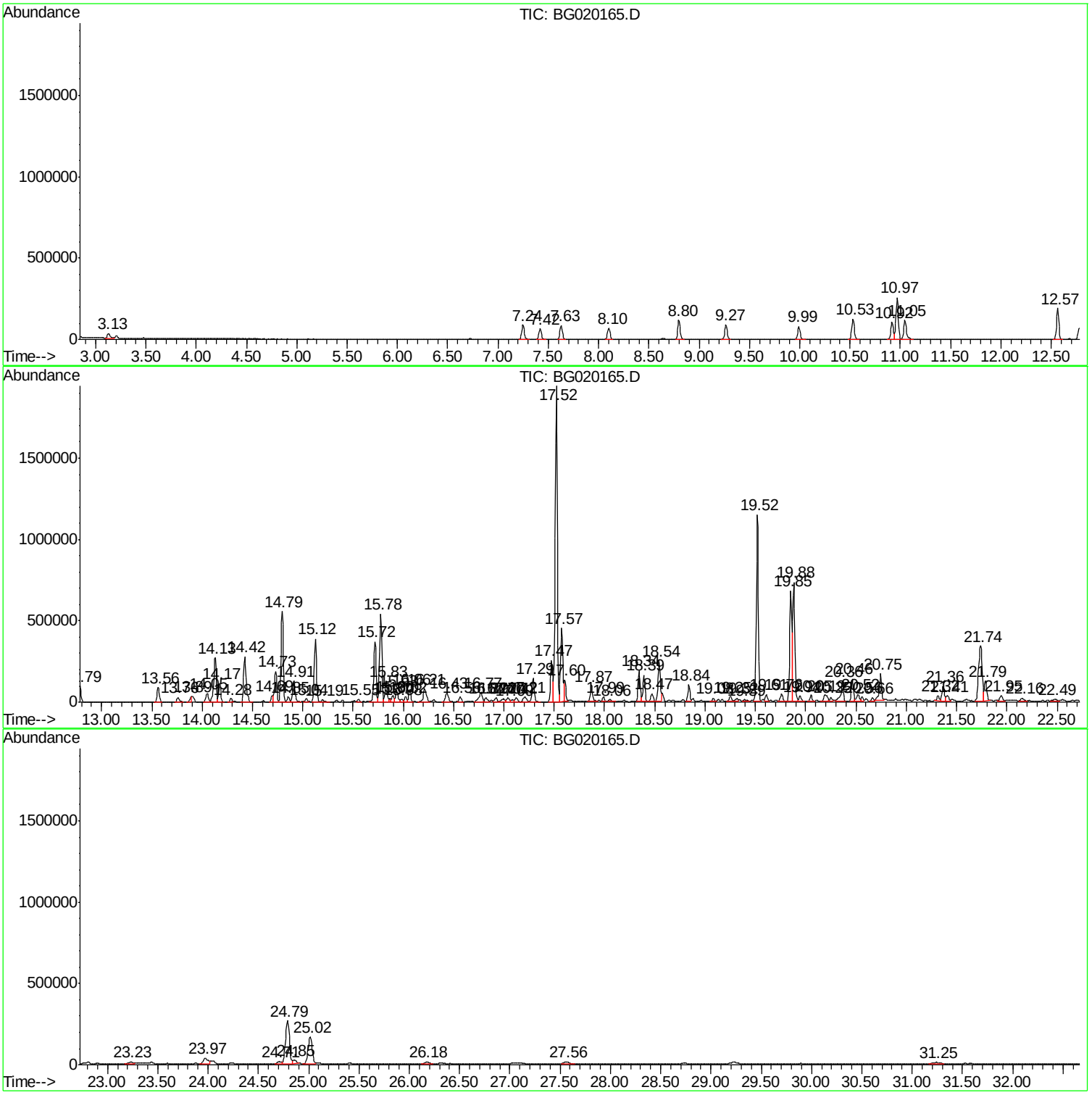
Sum of corrected areas: 22987799

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
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Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

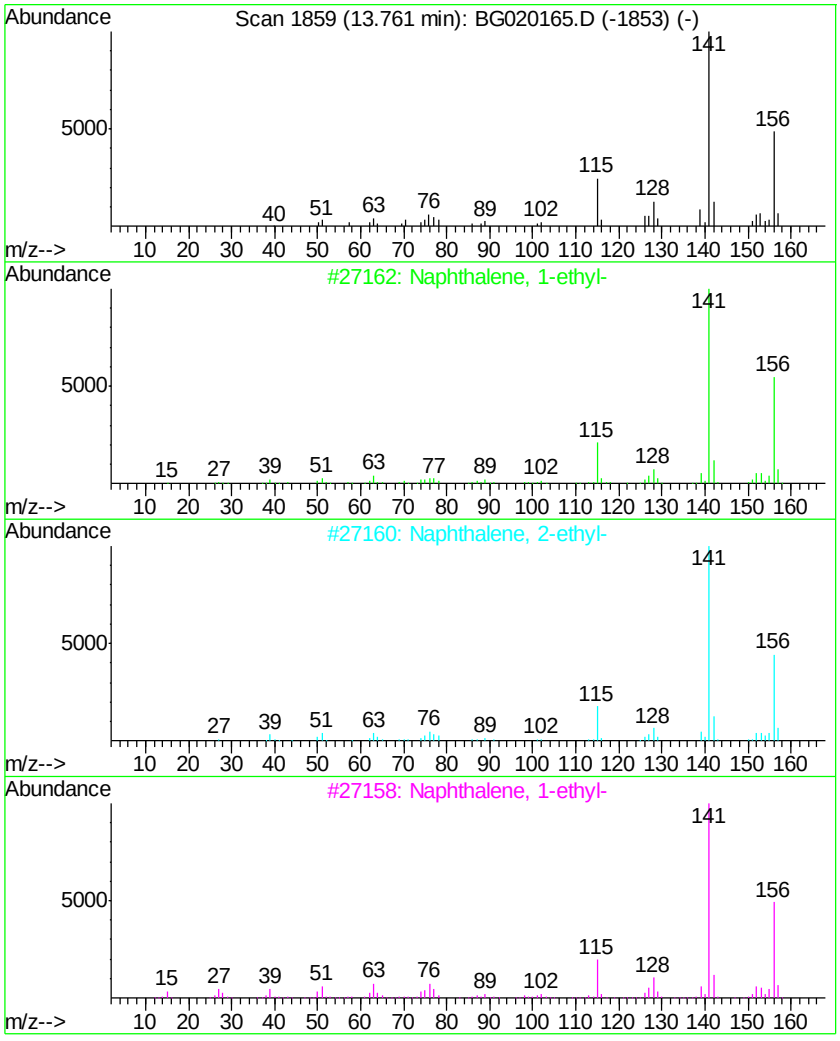
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

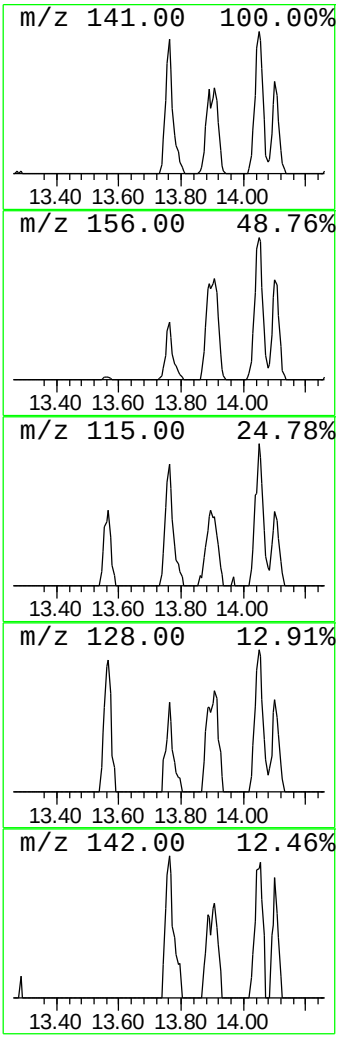
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.32 ng/ul	49724	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

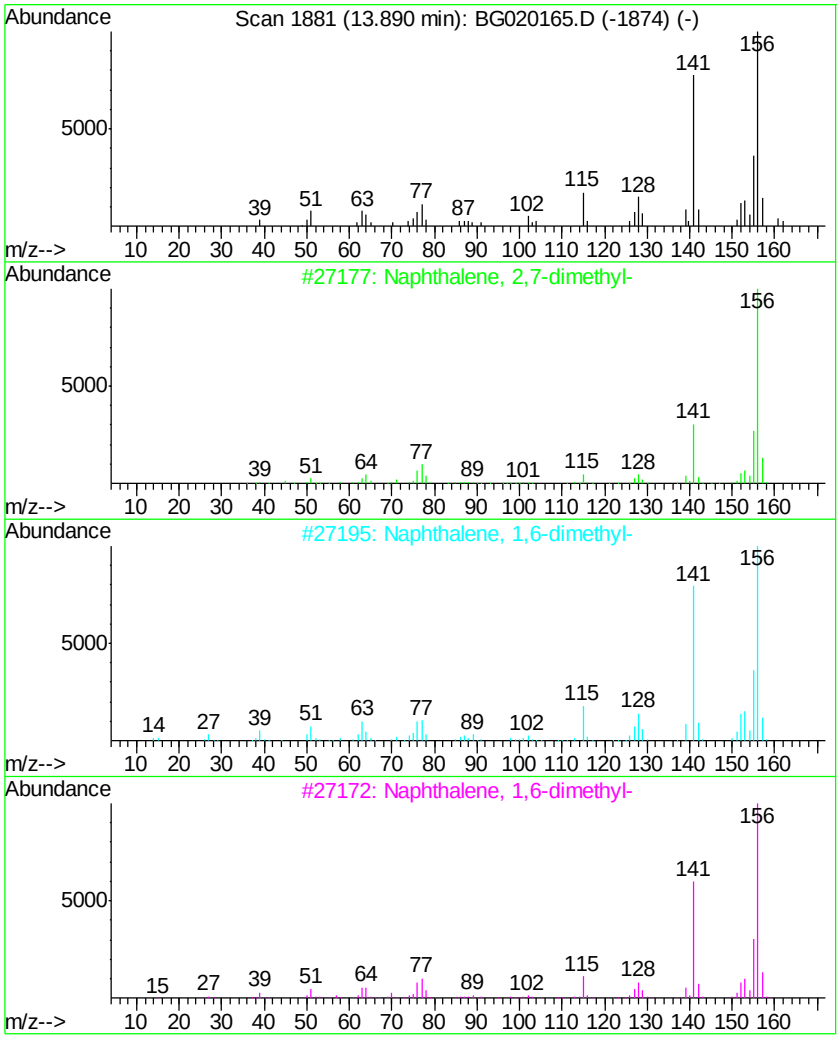
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

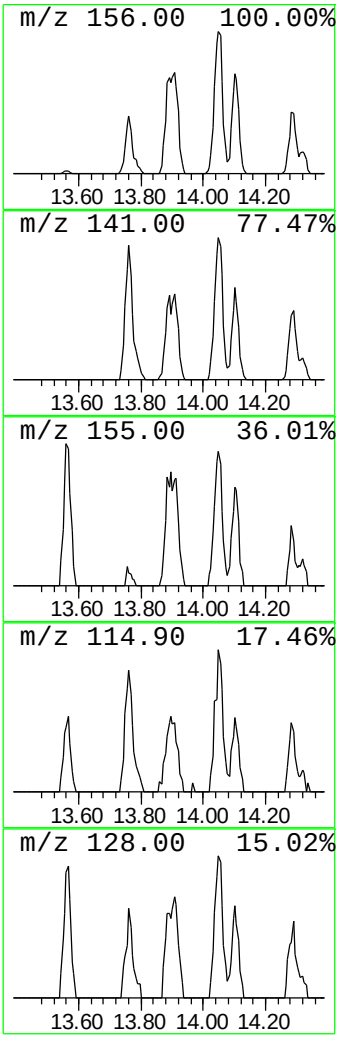
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.06 ng/ul	45755	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

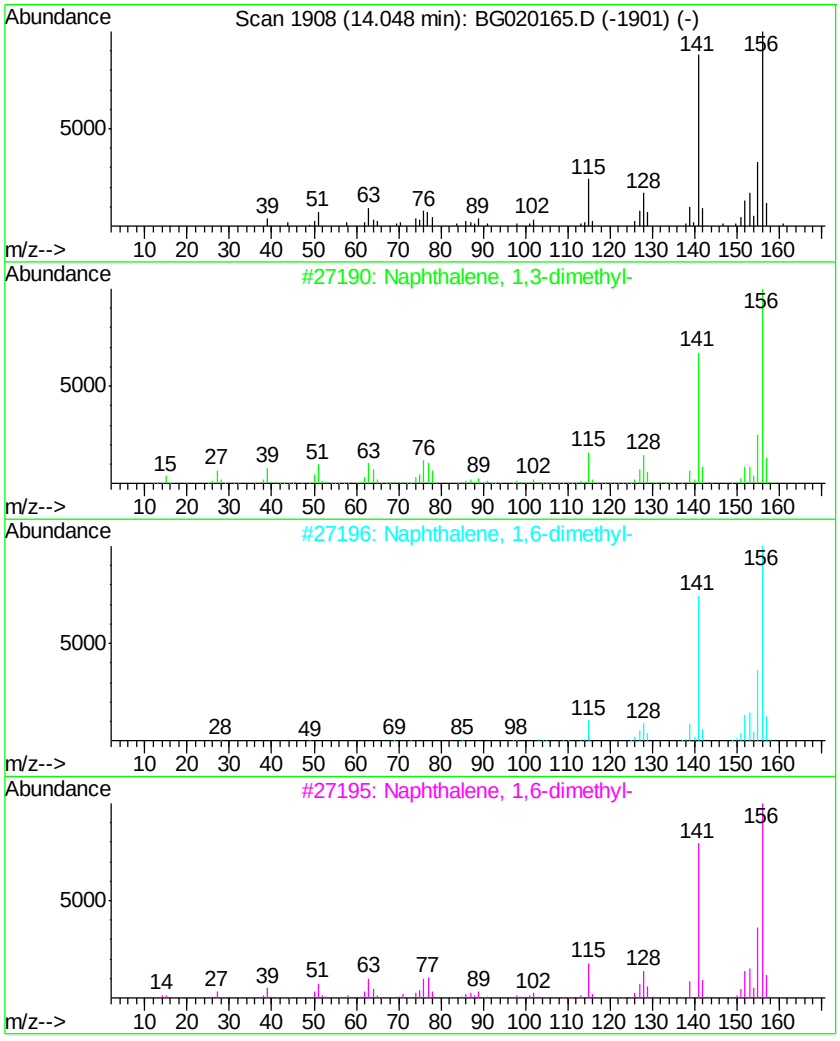
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

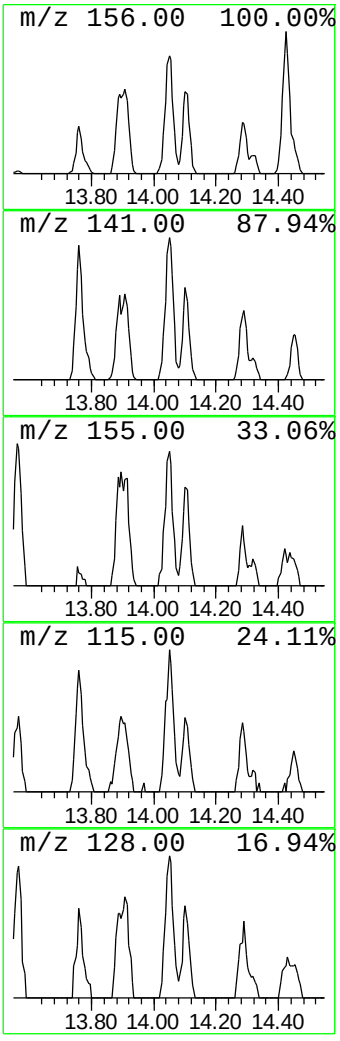
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	6.36 ng/ul	95189	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

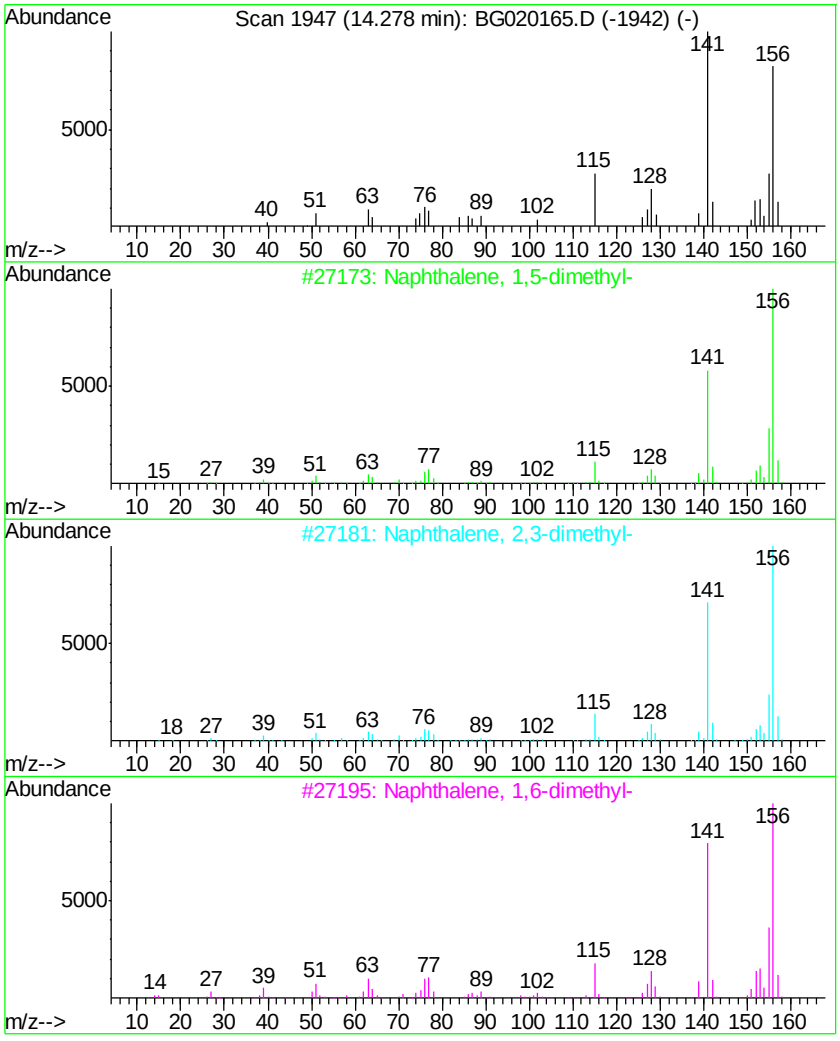
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

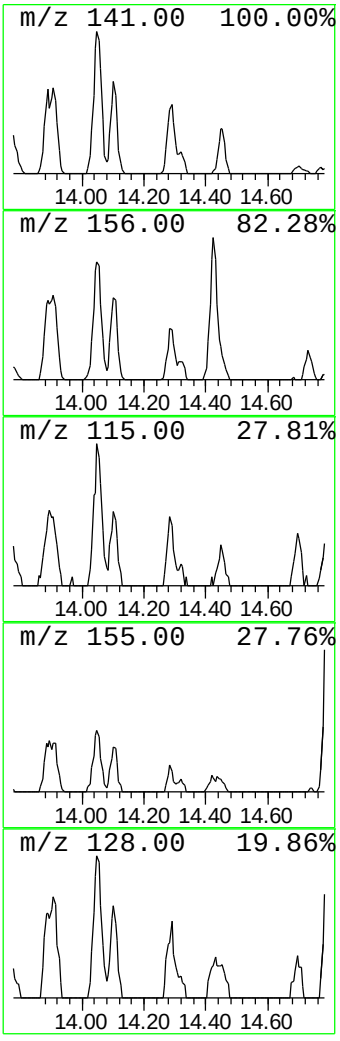
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.31 ng/ul	34540	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

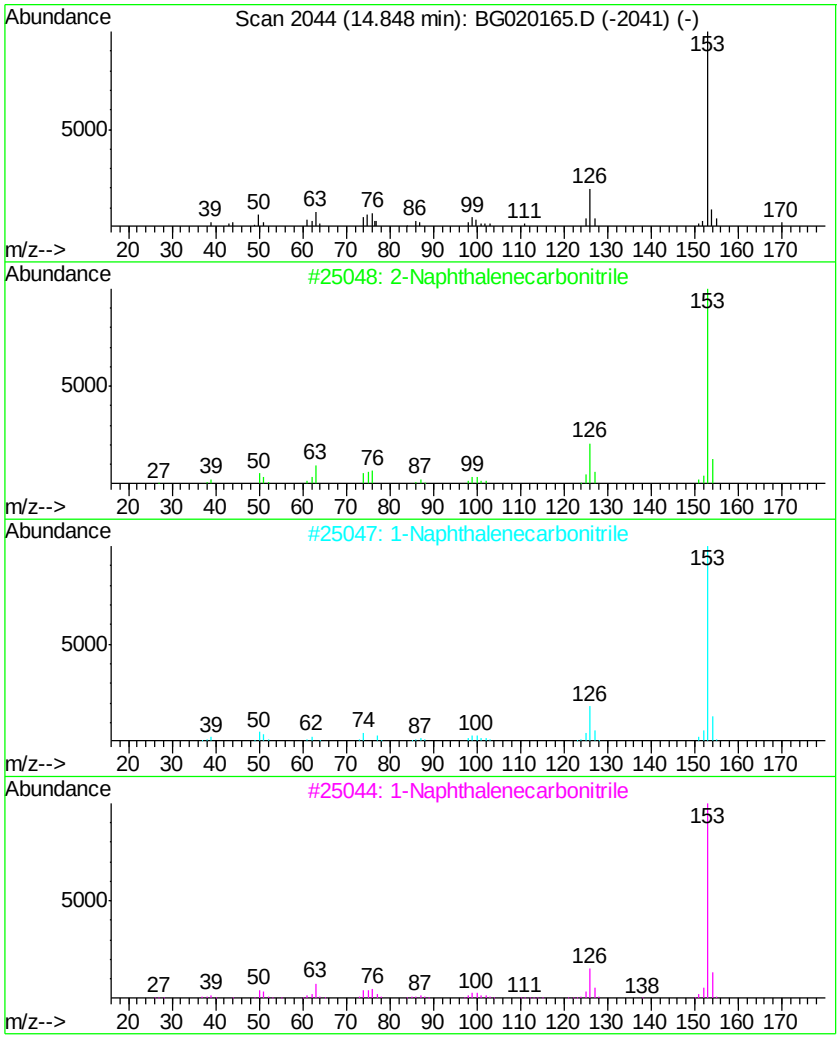
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

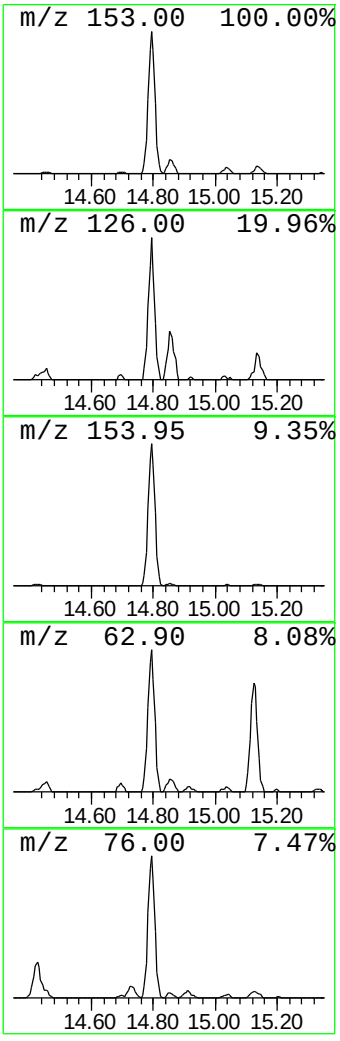
****

Peak Number 6 2-Naphthalenecarbonitrile Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.07 ng/ul	45940	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





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Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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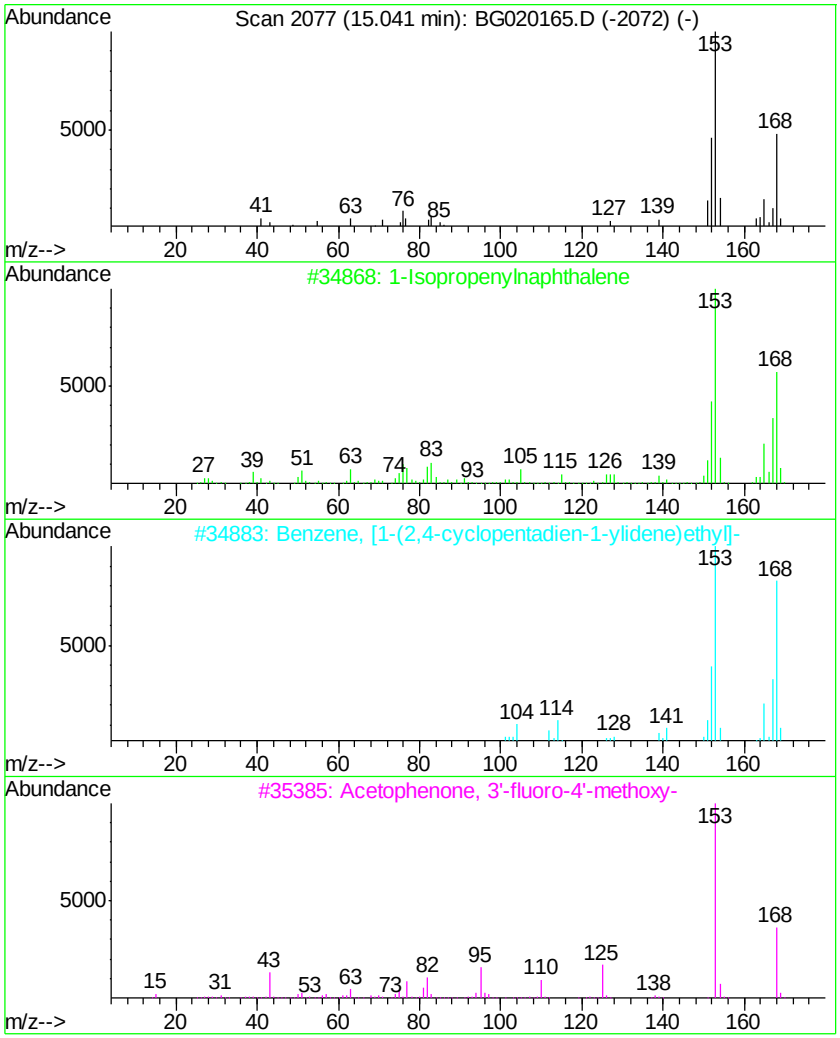
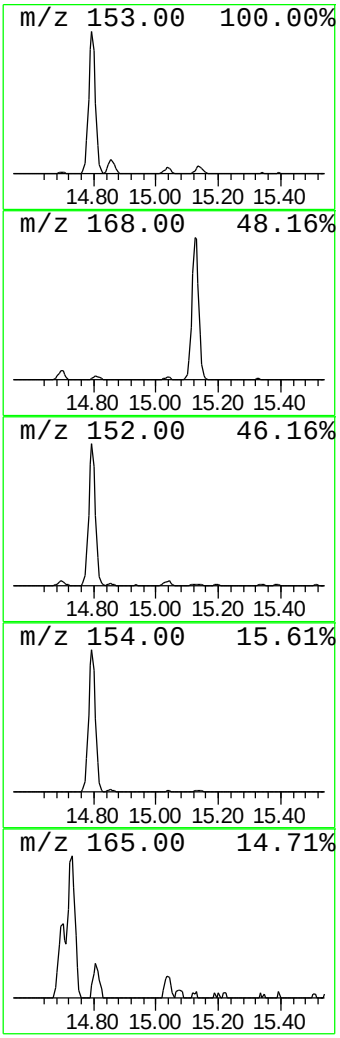
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.12 ng/ul	31746	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	58
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	42





Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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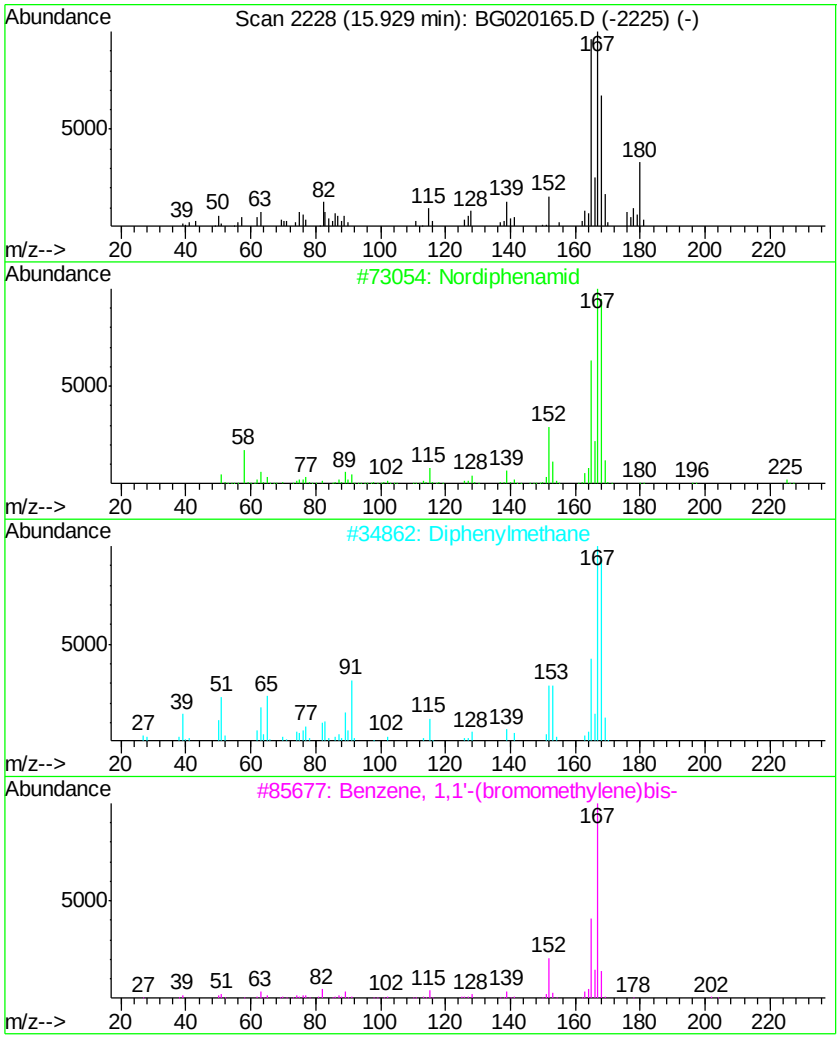
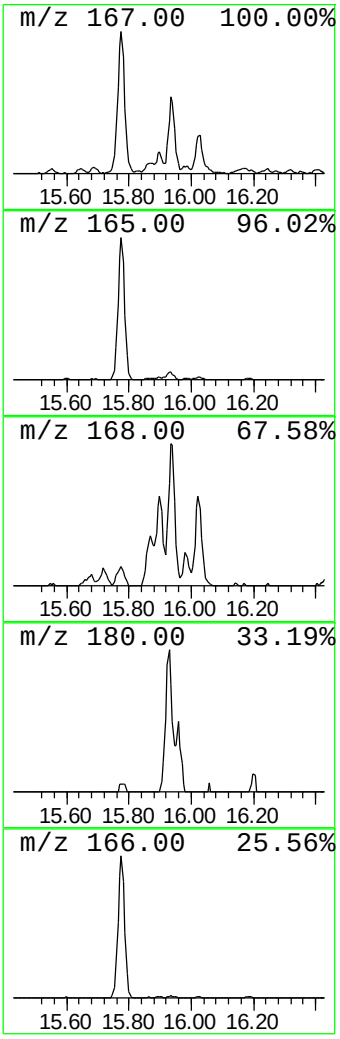
Peak Number 9 Nordiphenamid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	7.94 ng/ul	118754	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
4	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53





Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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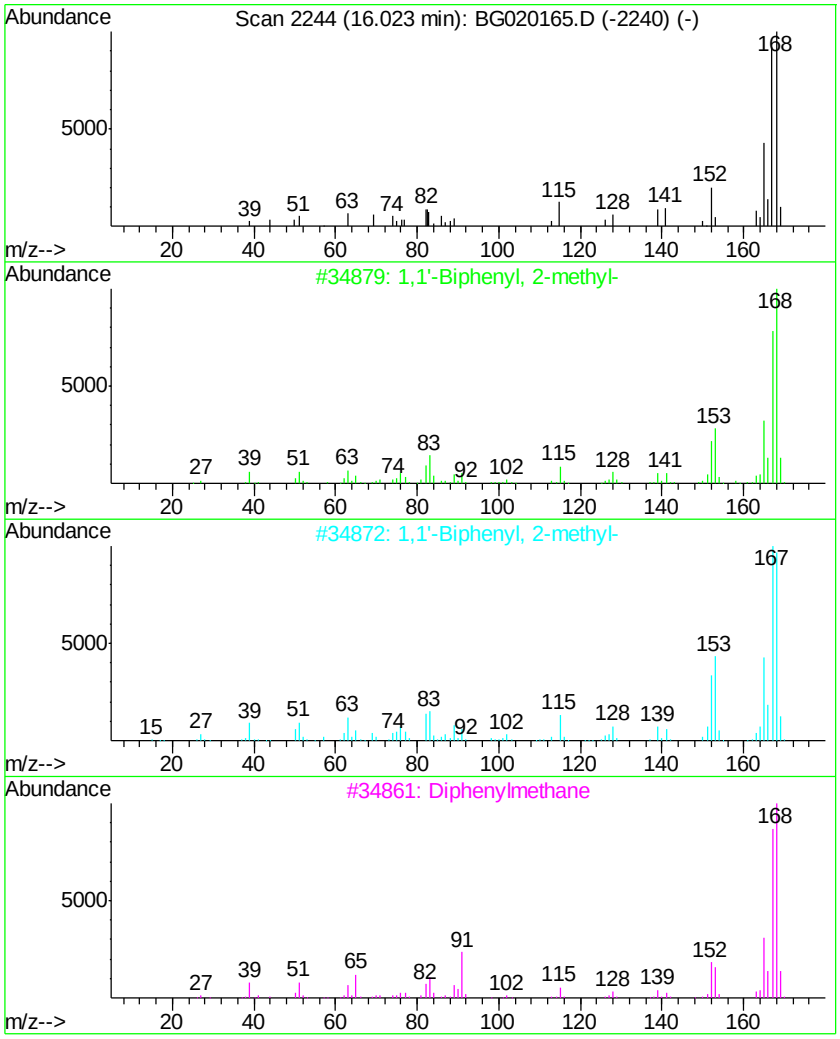
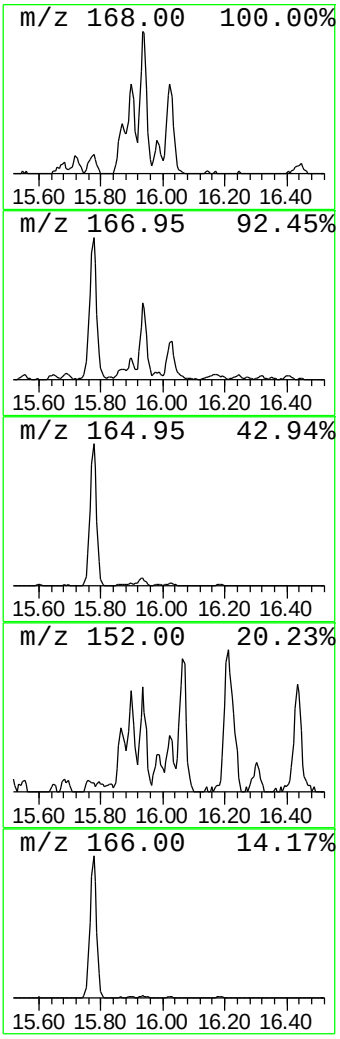
Peak Number 10 1,1'-Biphenyl, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.37 ng/ul	50413	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59
5	Diphenylmethane	168	C13H12	000101-81-5	59





Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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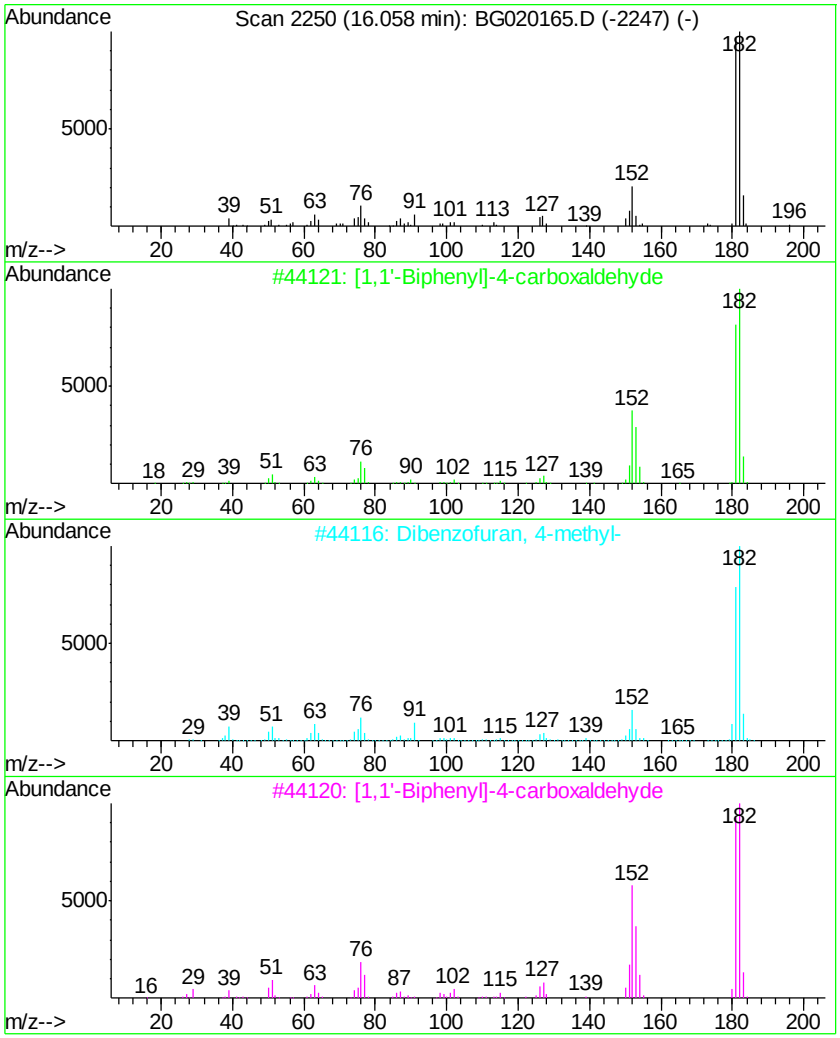
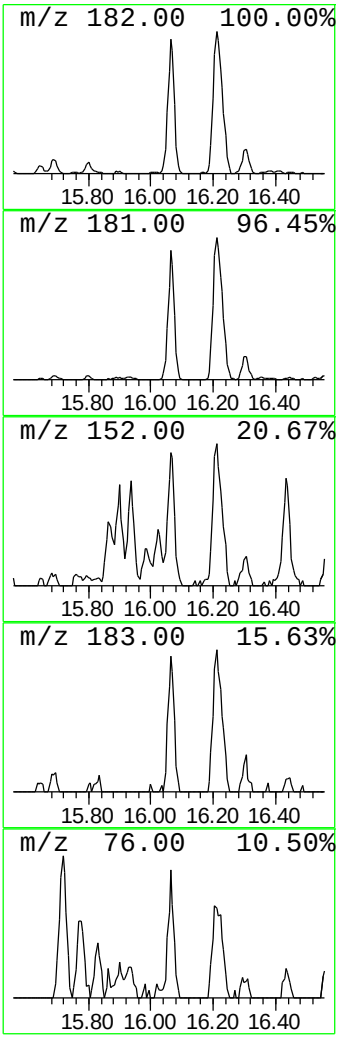
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	7.62 ng/ul	114010	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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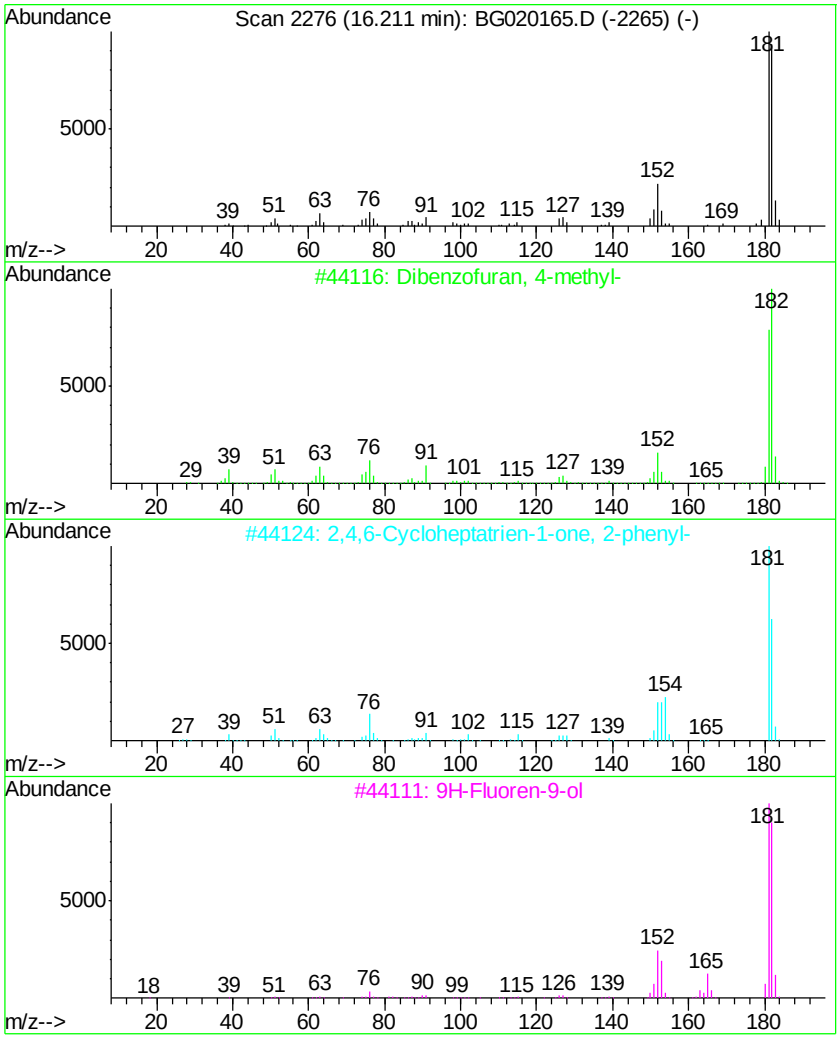
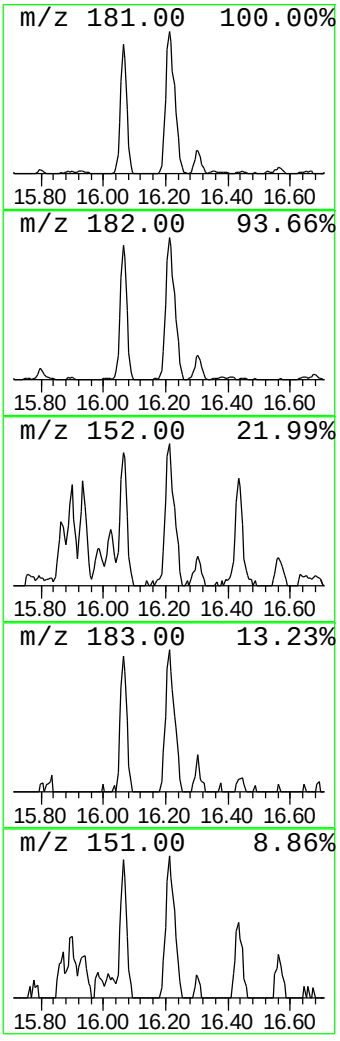
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	8.40 ng/ul	178244	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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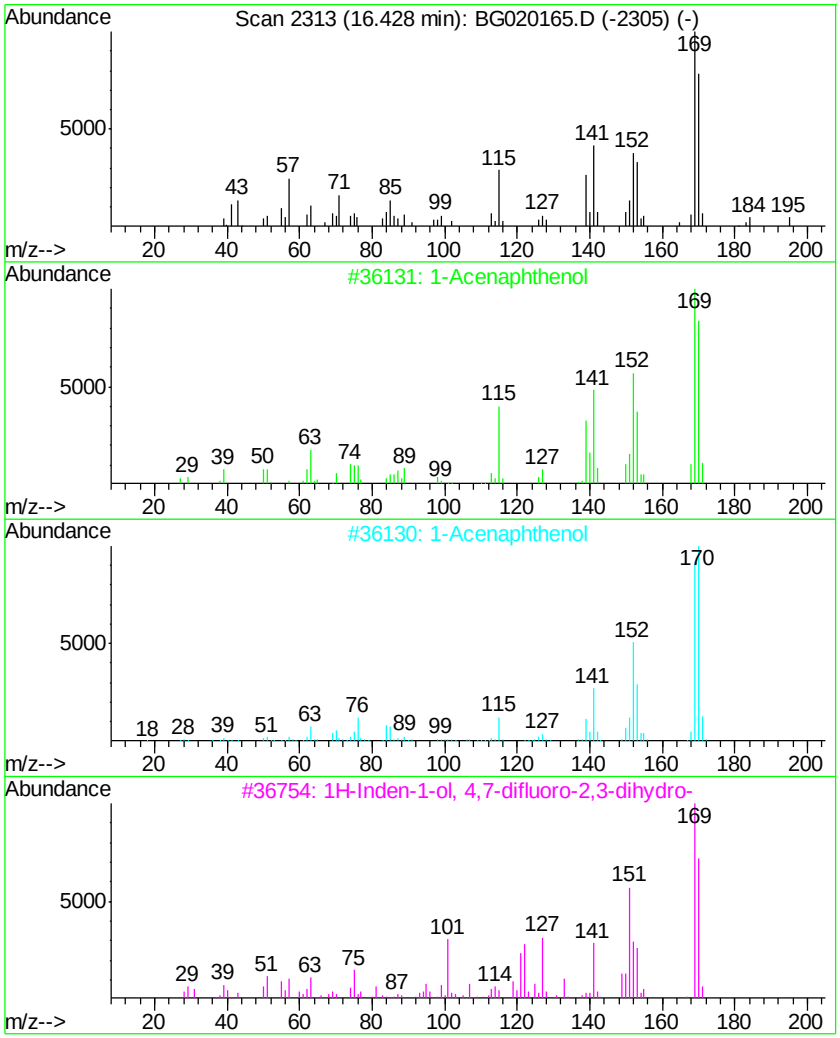
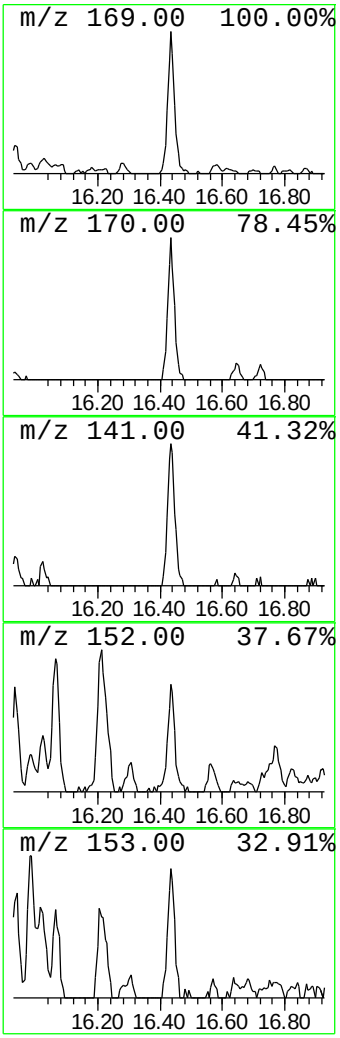
Peak Number 13 1-Acenaphthenol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	5.33 ng/ul	113157	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	76
2	1-Acenaphthenol	170	C12H10O	006306-07-6	76
3	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	74
4	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	46
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	43





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Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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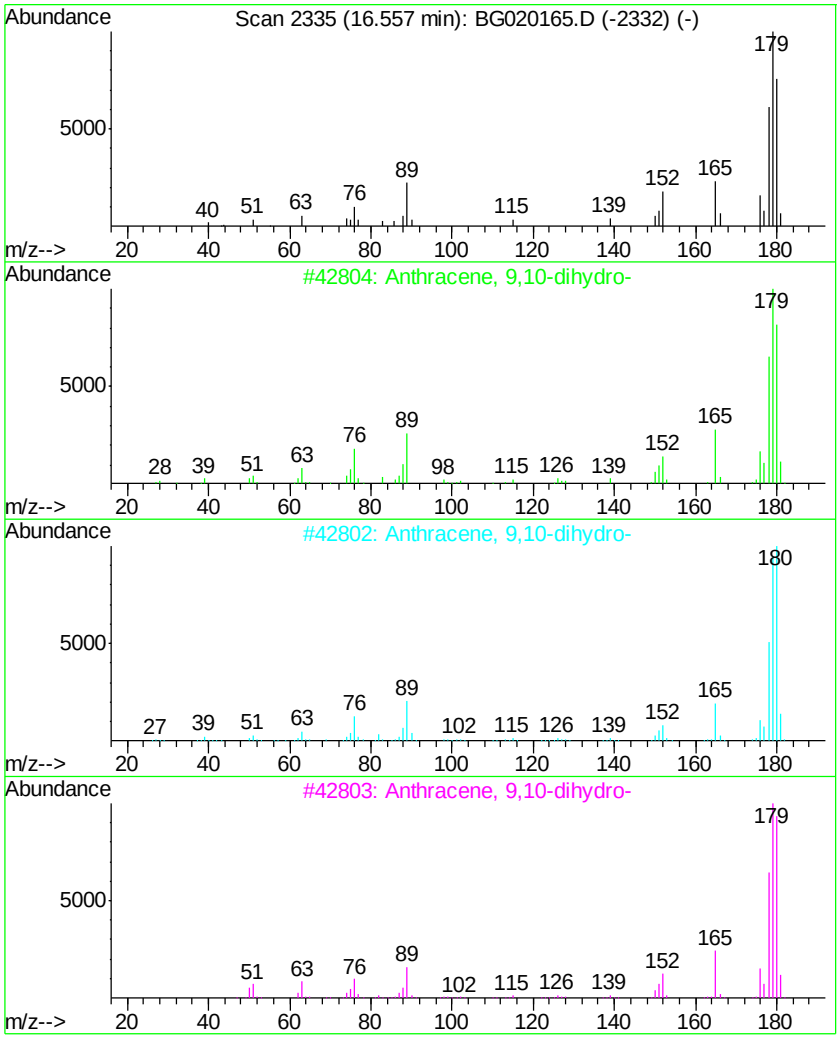
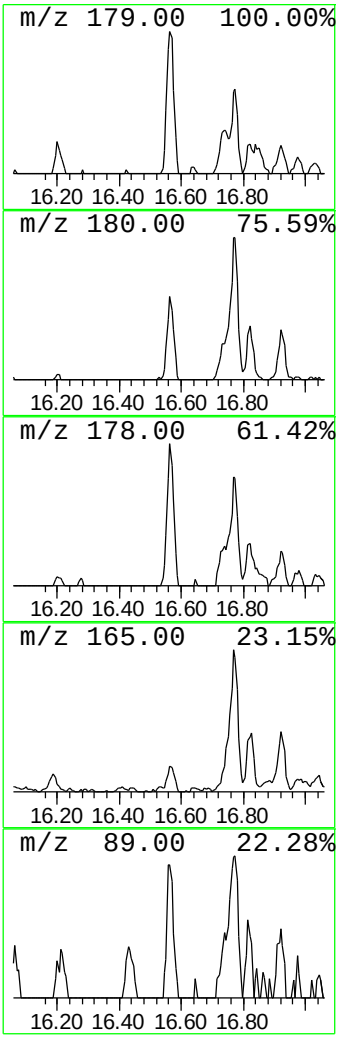
Peak Number 14 Anthracene, 9,10-dihydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.26 ng/ul	47958	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
5	cis-Stilbene	180	C14H12	000645-49-8	89





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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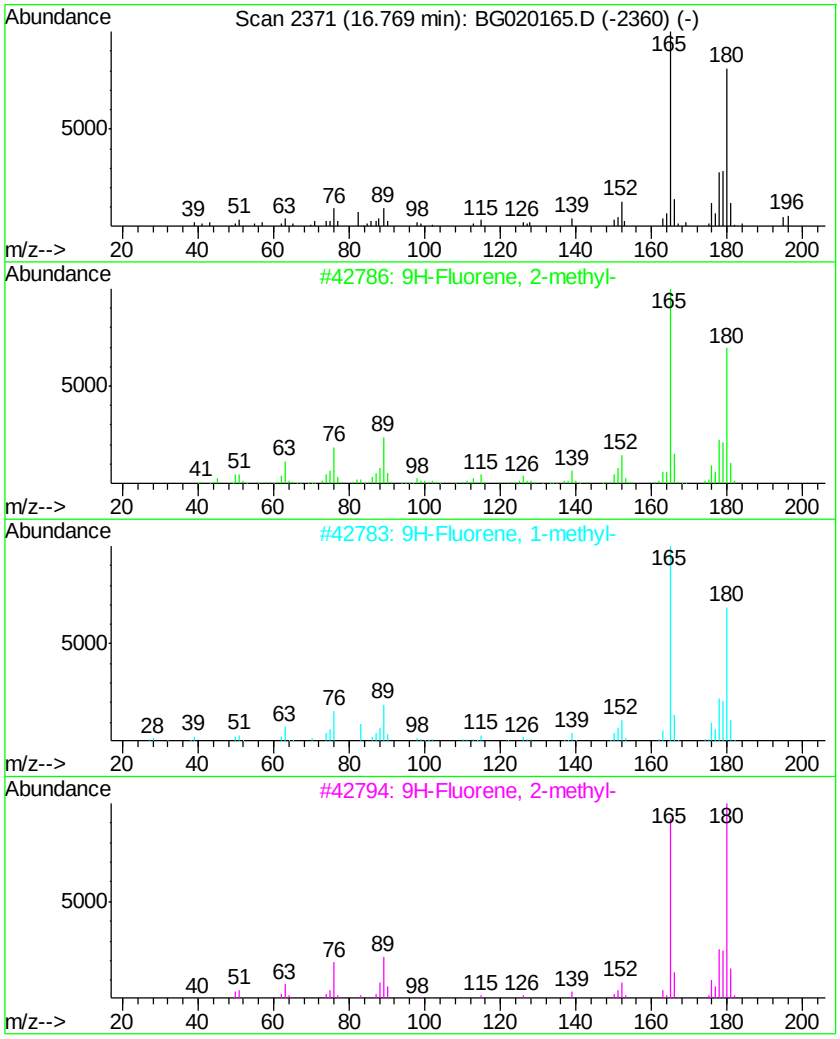
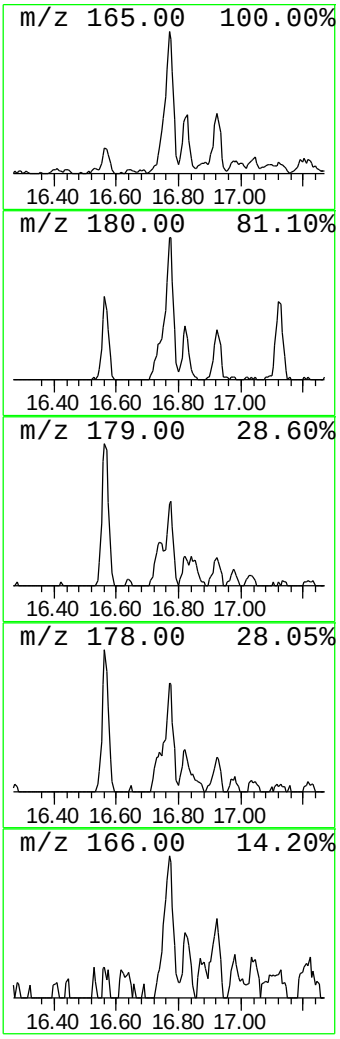
Peak Number 15 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	6.44 ng/ul	136580	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	83





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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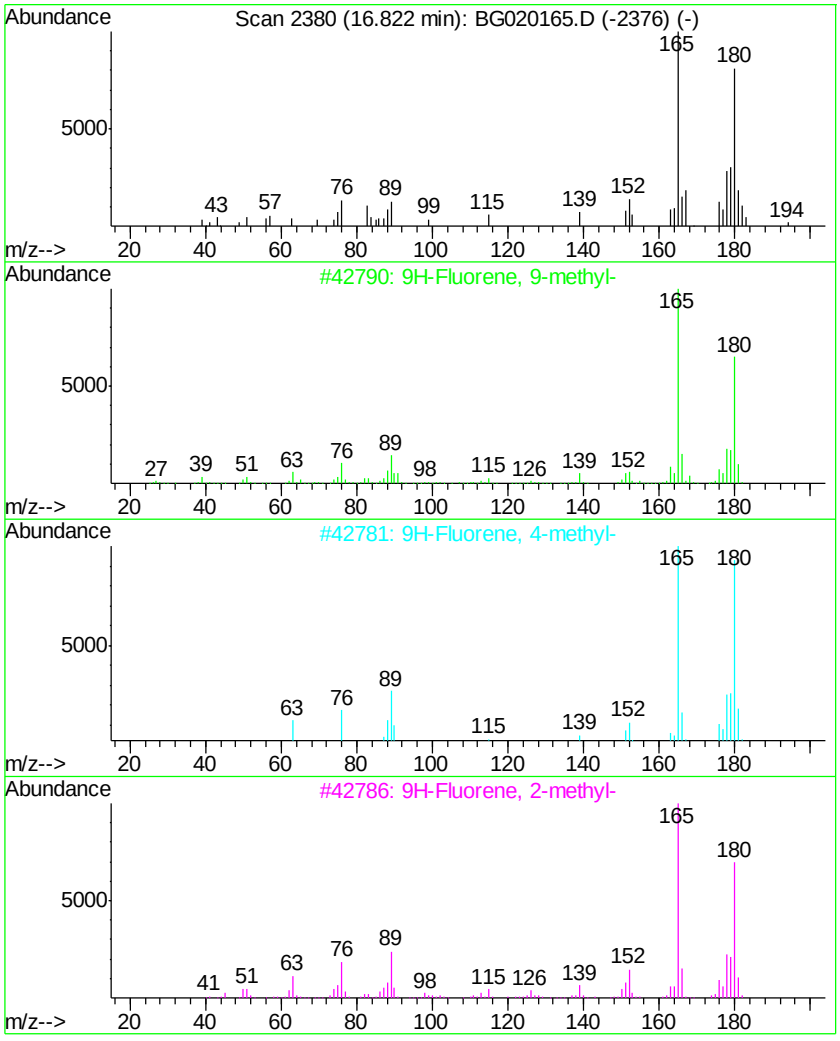
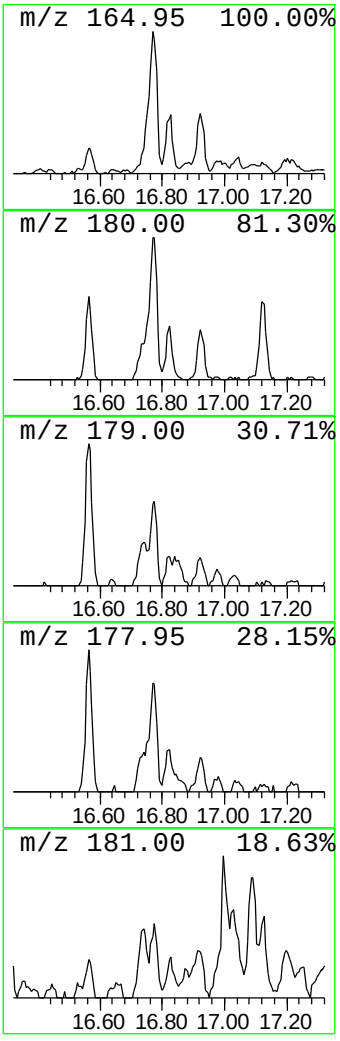
Peak Number 16 9H-Fluorene, 9-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.31 ng/ul	49070	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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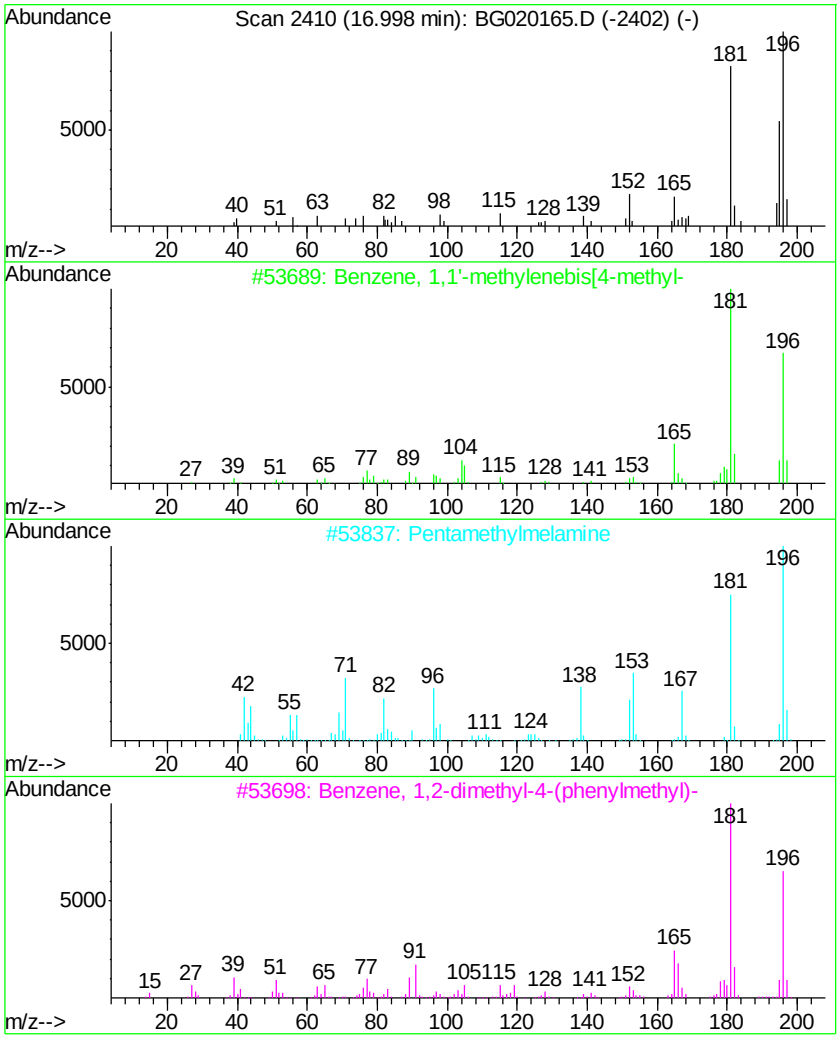
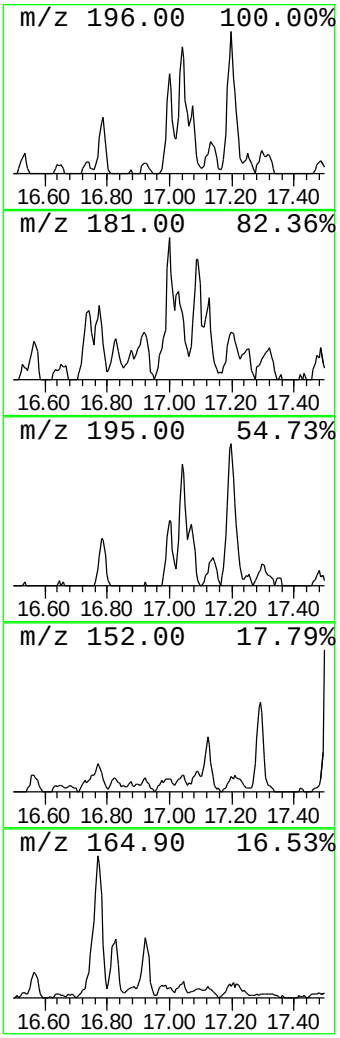
Peak Number 18 Benzene, 1,1'-methylenebis[... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.21 ng/ul	46854	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	64
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	64
3	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	55
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





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Quant Title : SVOA CALIBRATION

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

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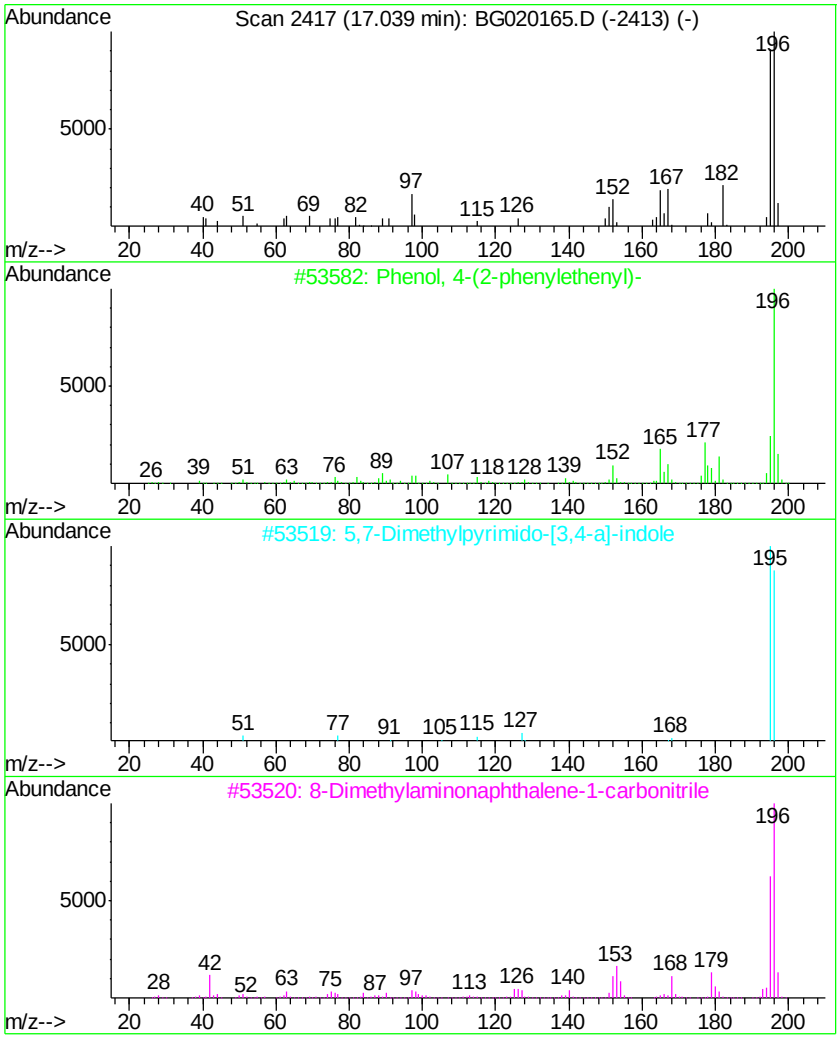
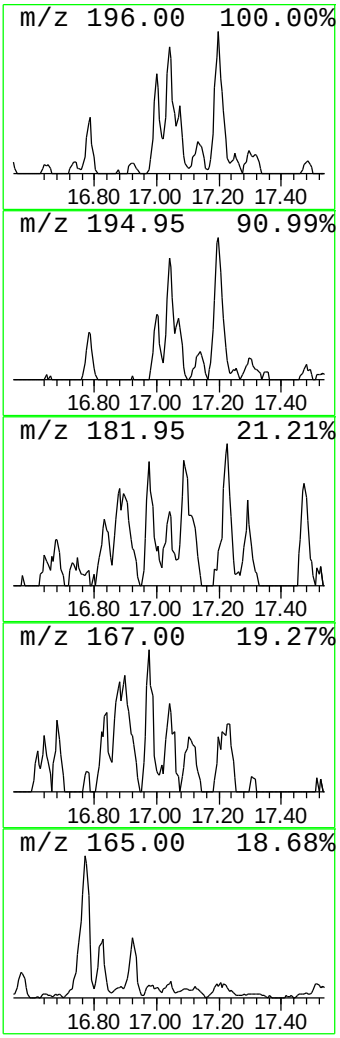
Peak Number 19 Phenol, 4-(2-phenylethenyl)- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.15 ng/ul	45643	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	43
4	Benzo[c]cinnoline, 5-oxide	196	C12H8N2O	006141-98-6	38
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	37





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Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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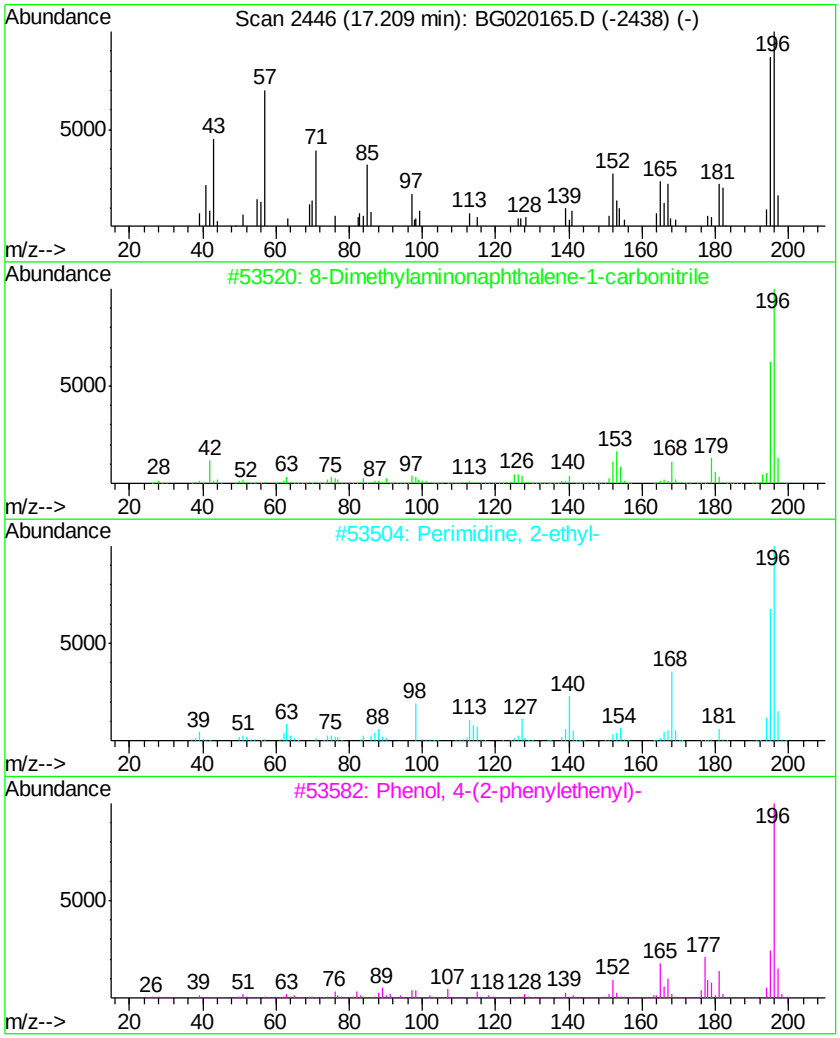
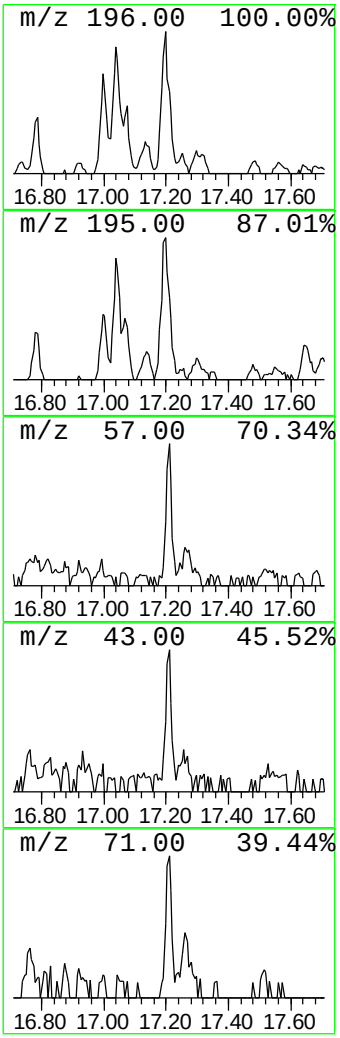
Peak Number 20 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	3.67 ng/ul	77897	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	38
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	38
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





Library Search Compound Report

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Data File : BG020165.D
Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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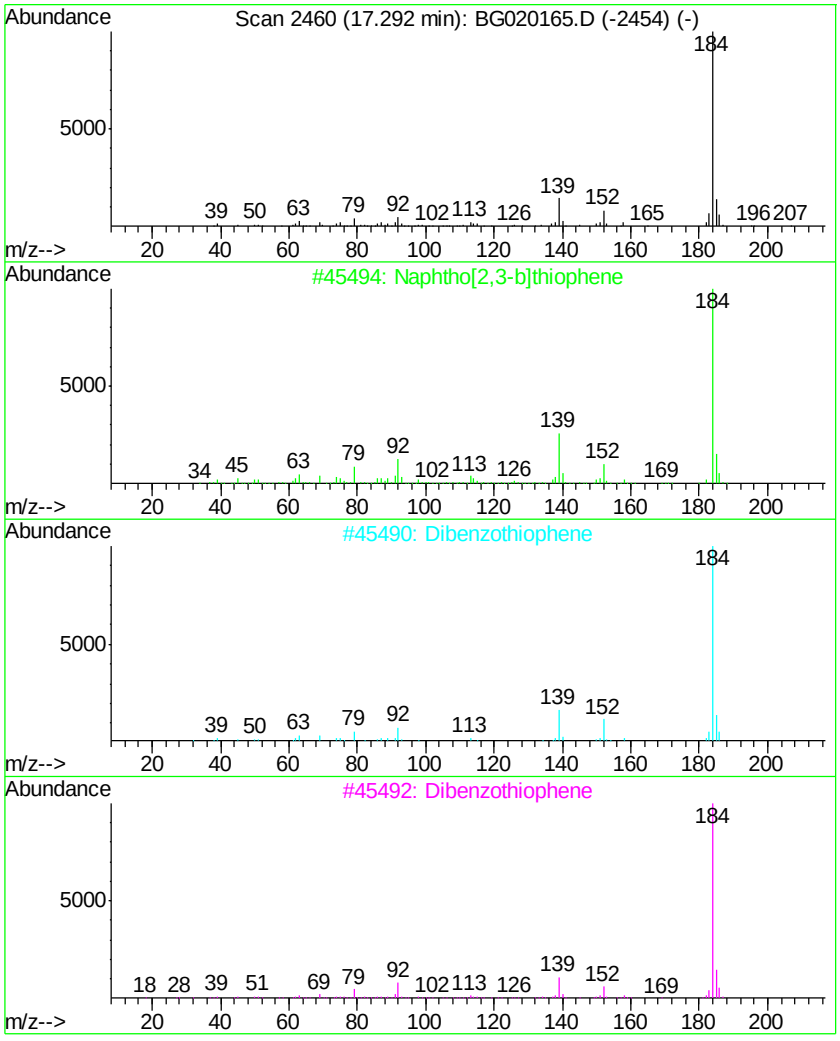
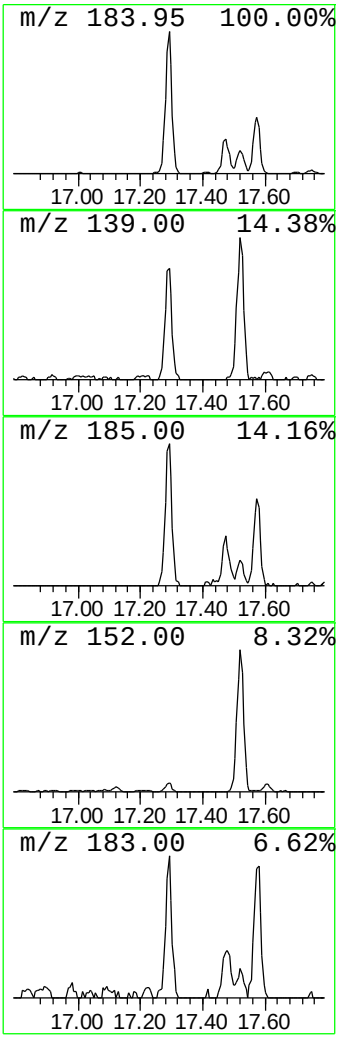
Peak Number 21 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	10.48 ng/ul	222433	Phenanthrene-d10	17.47

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





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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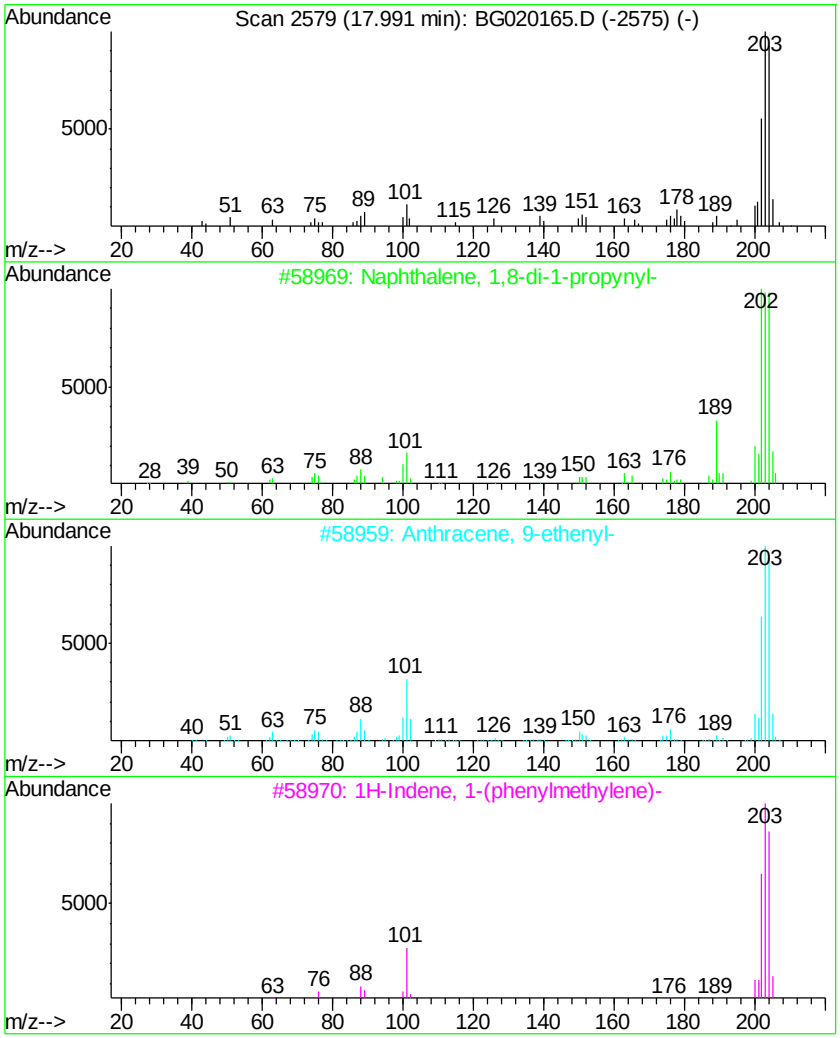
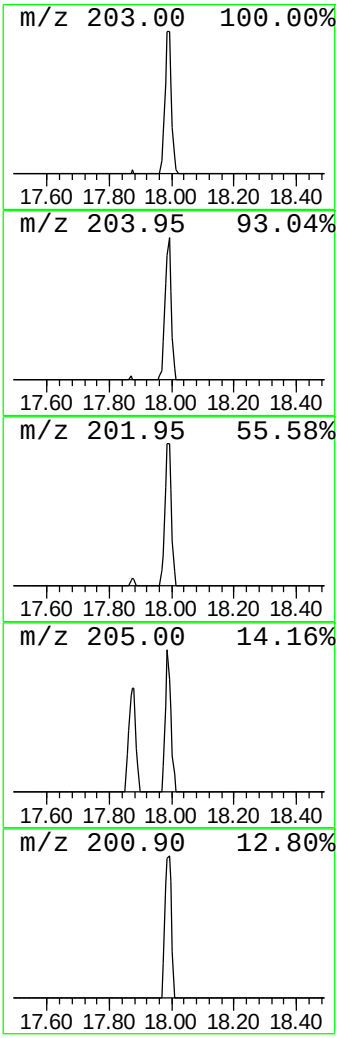
Peak Number 22 Naphthalene, 1,8-di-1-propy... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.01 ng/ul	42638	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-di-1-propynyl-	204	C16H12	022360-77-6	89
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	70
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	68





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Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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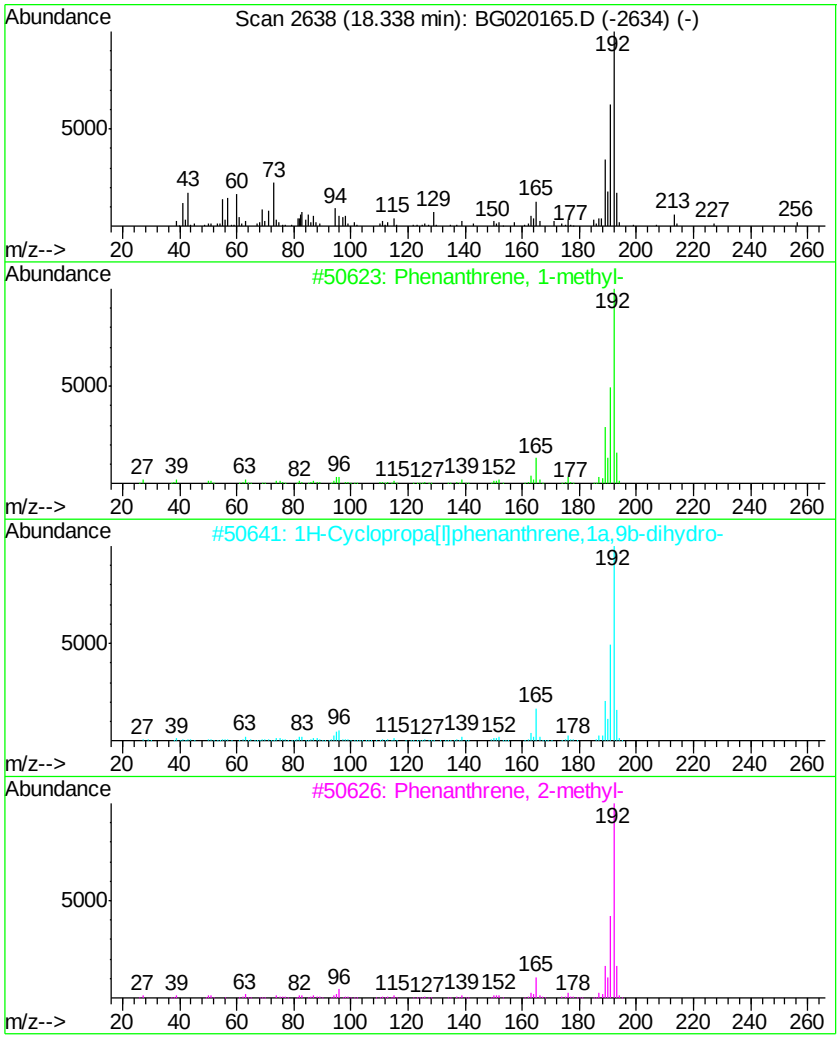
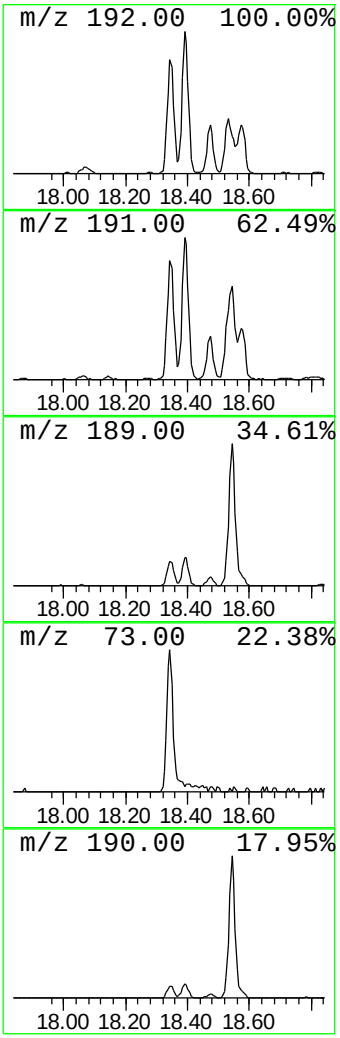
Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	12.44 ng/ul	263904	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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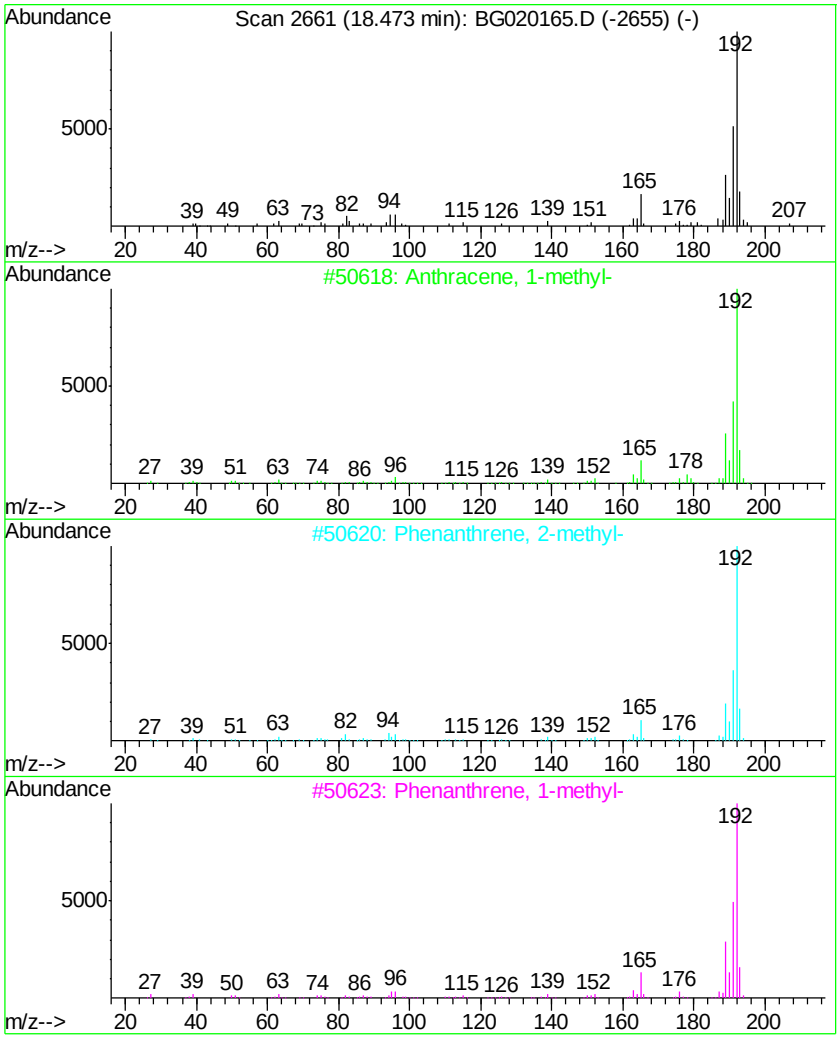
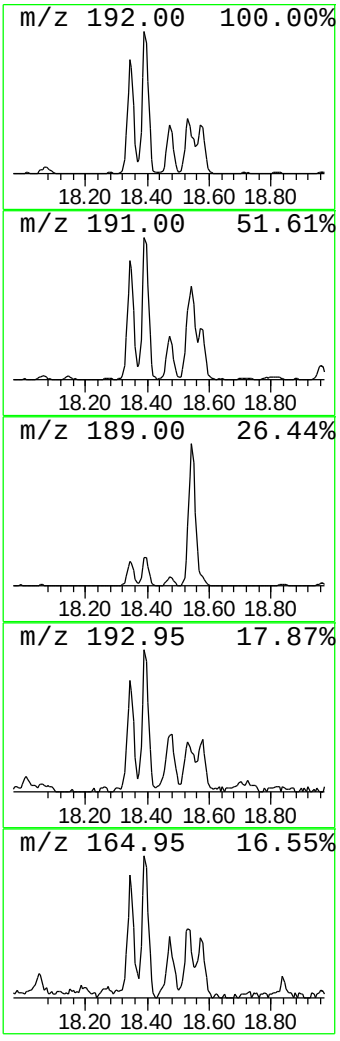
Peak Number 25 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.33 ng/ul	70593	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

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Quant Title : SVOA CALIBRATION

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

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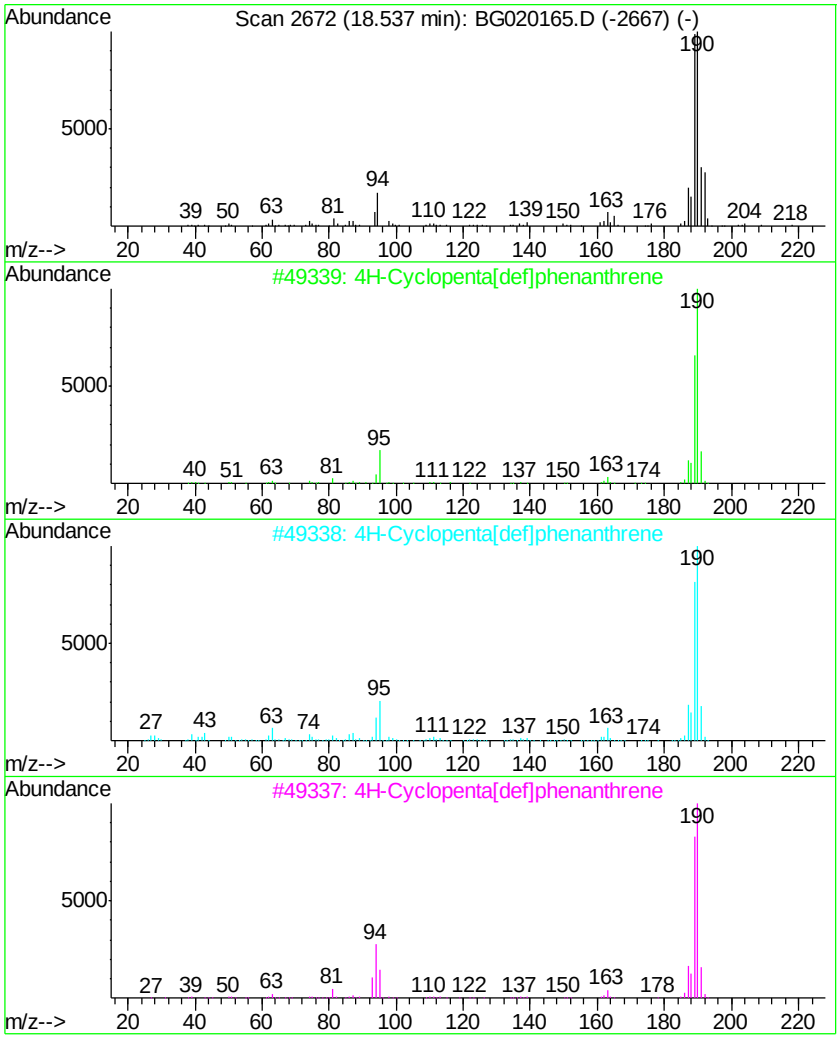
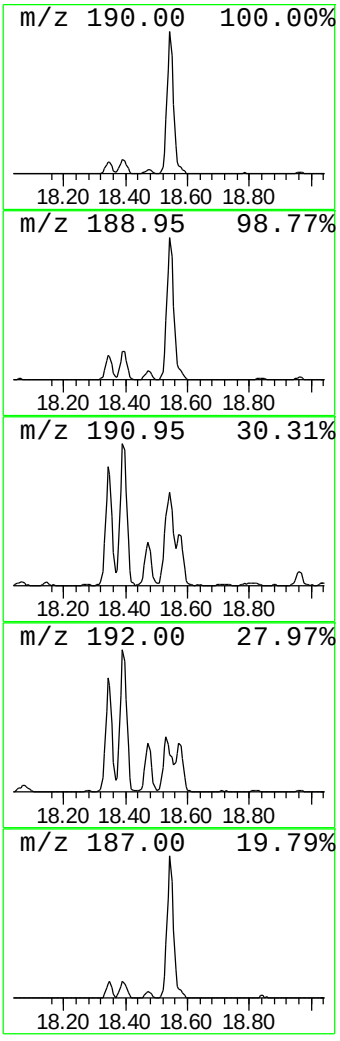
Peak Number 26 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	18.97 ng/ul	402589	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23





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Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 27 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	6.72 ng/ul	142649	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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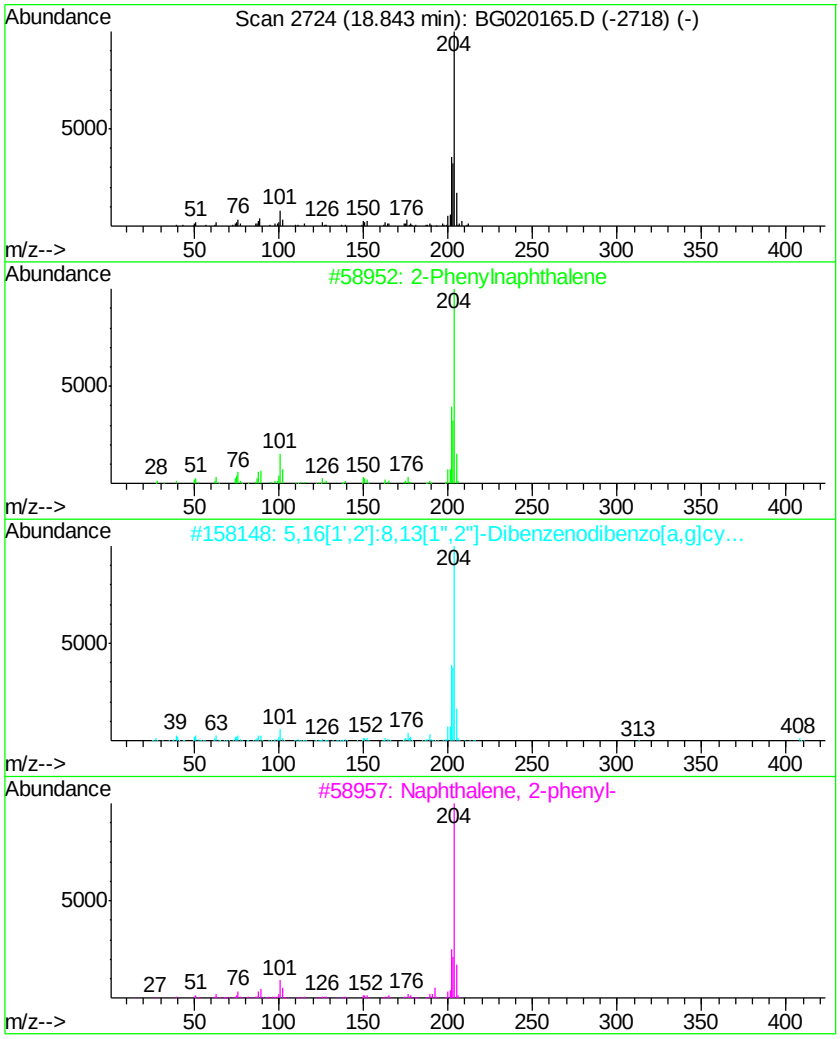

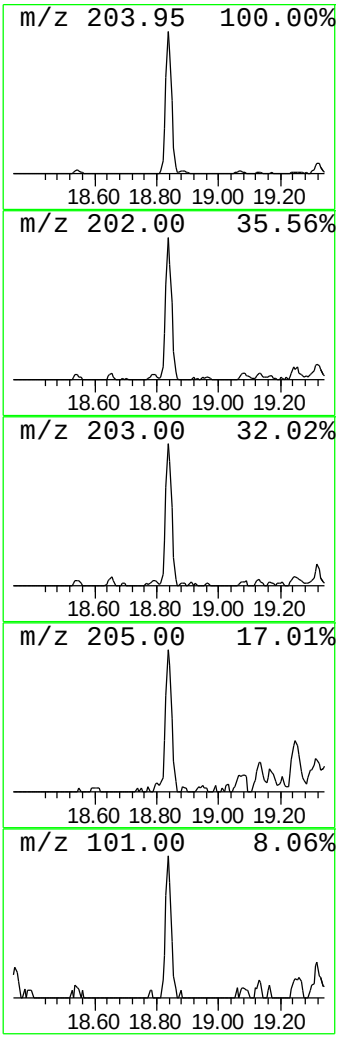

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Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
Sample : G4767-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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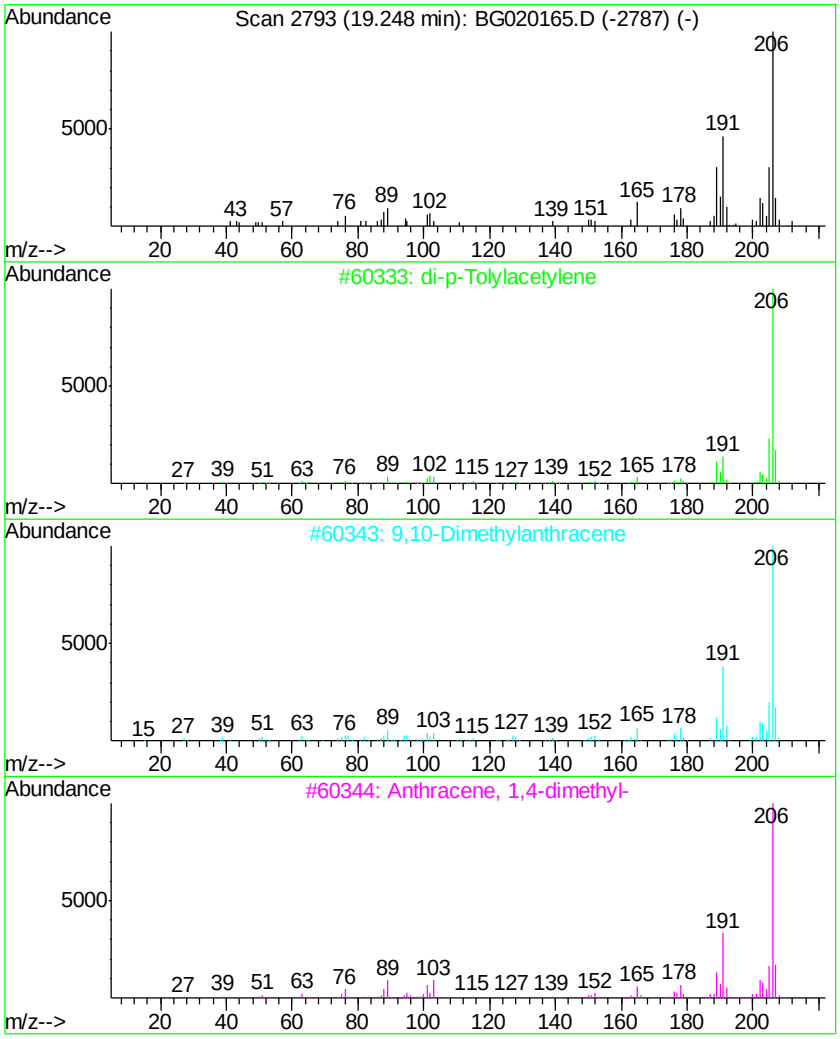
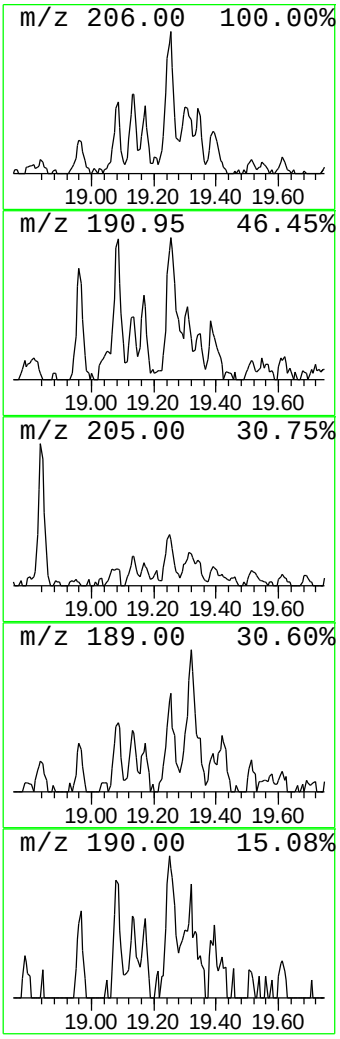
Peak Number 28 di-p-Tolylacetylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.71 ng/ul	57442	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N39

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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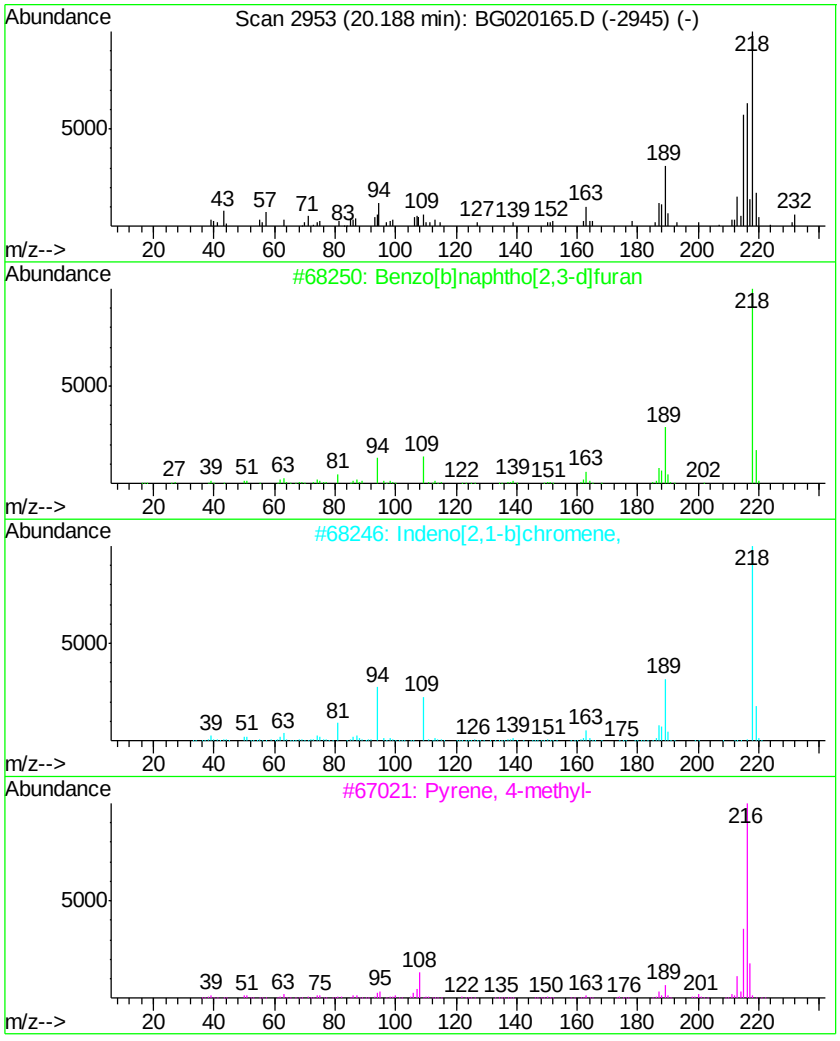
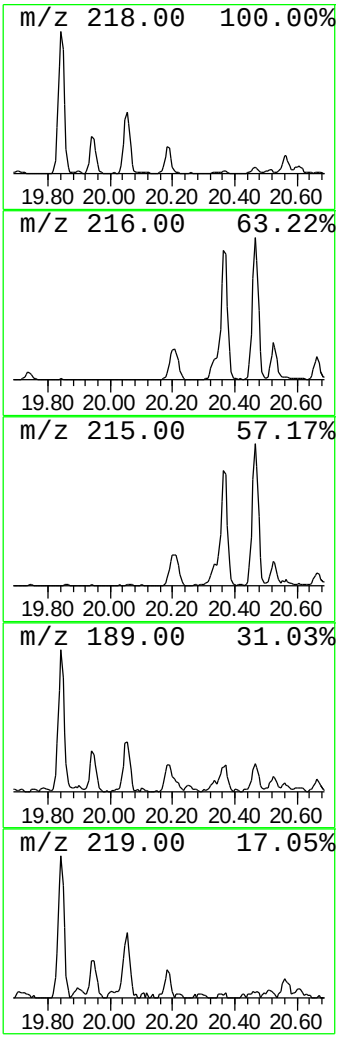
Peak Number 29 Benzo[b]naphtho[2,3-d]furan Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.53 ng/ul	103401	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	70
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	70
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	59
4	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	55
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	50





Tentatively Identified Compound (LSC) summary

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Acq On : 14 Dec 2015 22:56
Operator : UM/SJ
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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-et...	13.76	3.3	ng/ul	49724	3	14.73	299276	20.0
Naphthalene, 2,7-...	13.89	3.1	ng/ul	45755	3	14.73	299276	20.0
Naphthalene, 1,3-...	14.05	6.4	ng/ul	95189	3	14.73	299276	20.0
Naphthalene, 1,5-...	14.28	2.3	ng/ul	34540	3	14.73	299276	20.0
2-Naphthalenecarb...	14.85	3.1	ng/ul	45940	3	14.73	299276	20.0
1-Isopropenylnaph...	15.04	2.1	ng/ul	31746	3	14.73	299276	20.0
Nordiphenamid	15.93	7.9	ng/ul	118754	3	14.73	299276	20.0
1,1'-Biphenyl, 2-...	16.02	3.4	ng/ul	50413	3	14.73	299276	20.0
[1,1'-Biphenyl]-4...	16.06	7.6	ng/ul	114010	3	14.73	299276	20.0
Dibenzofuran, 4-m...	16.21	8.4	ng/ul	178244	4	17.47	424351	20.0
1-Acenaphthenol	16.43	5.3	ng/ul	113157	4	17.47	424351	20.0
Anthracene, 9,10-...	16.56	2.3	ng/ul	47958	4	17.47	424351	20.0
9H-Fluorene, 2-me...	16.77	6.4	ng/ul	136580	4	17.47	424351	20.0
9H-Fluorene, 9-me...	16.82	2.3	ng/ul	49070	4	17.47	424351	20.0
Benzene, 1,1'-met...	17.00	2.2	ng/ul	46854	4	17.47	424351	20.0
Phenol, 4-(2-phen...	17.04	2.1	ng/ul	45643	4	17.47	424351	20.0
unknown-01	17.21	3.7	ng/ul	77897	4	17.47	424351	20.0
Naphtho[2,3-b]thi...	17.29	10.5	ng/ul	222433	4	17.47	424351	20.0
Naphthalene, 1,8-...	17.99	2.0	ng/ul	42638	4	17.47	424351	20.0
Phenanthrene, 1-m...	18.34	12.4	ng/ul	263904	4	17.47	424351	20.0
Anthracene, 1-met...	18.47	3.3	ng/ul	70593	4	17.47	424351	20.0
4H-Cyclopenta[def...	18.54	19.0	ng/ul	402589	4	17.47	424351	20.0
2-Phenylnaphthalene	18.84	6.7	ng/ul	142649	4	17.47	424351	20.0
di-p-Tolylacetylene	19.25	2.7	ng/ul	57442	4	17.47	424351	20.0
Benzo[b]naphtho[2...	20.19	2.5	ng/ul	103401	5	21.75	817278	20.0