LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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	8.637	979	987	995	rBV	259313	440550	2.50%	0.372%
2	10.923	1369	1376	1377	rBV	88099	143762	0.81%	0.121%
3	10.994	1377	1388	1395	rVV	3405770	7692220	43.58%	6.498%
4	11.088	1395	1404	1413	rVB	152376	275168	1.56%	0.232%
5	12.574	1645	1657	1668	rVV	2308400	4144229	23.48%	3.501%
6	12.791	1681	1694	1701	rVV	1225676	2119016	12.00%	1.790%
7	13.567	1817	1826	1836	rVB	979722	1499291	8.49%	1.266%
8	13.761	1852	1859	1869	rVB	333456	626857	3.55%	0.529%
9	13.890	1871	1881	1882	rBV	374168	508468	2.88%	0.429%
10	14.055	1900	1909	1913	rBV	531176	1009933	5.72%	0.853%
11	14.108	1913	1918	1927	rVV	388115	654922	3.71%	0.553%
12	14.284	1943	1948	1952	rBV	224501	369041	2.09%	0.312%
13	14.454	1966	1977	1983	rBV	373185	659012	3.73%	0.557%
14	14.707	2013	2020	2023	rBV	410177	637367	3.61%	0.538%
15	14.813	2029	2038	2043	rBV	3973864	7327765	41.51%	6.190%
16	14.865	2043	2047	2052	rVB	206202	313112	1.77%	0.264%
17	14.930	2052	2058	2067	rBV	96531	235685	1.34%	0.199%
18	15.036	2067	2076	2081	rBV2	182957	363075	2.06%	0.307%
19	15.142	2086	2094	2099	rVB	2758882	4837722	27.41%	4.086%
20	15.200	2099	2104	2115	rVB	133121	218671	1.24%	0.185%
21	15.336	2118	2127	2132	rBV2	105324	204061	1.16%	0.172%
22	15.394	2132	2137	2148	rVB2	120079	203169	1.15%	0.172%
23	15.512	2148	2157	2160	rBV2	90447	194204	1.10%	0.164%
24	15.694	2184	2188	2196	rVB4	83681	154856	0.88%	0.131%
25	15.794	2196	2205	2212	rVB	3417436	6191297	35.07%	5.230%
26	15.870	2212	2218	2220	rBV	186493	287243	1.63%	0.243%
27	15.905	2220	2224	2226	rVV	262176	402643	2.28%	0.340%
28	15.941	2226	2230	2234	rVV3	517735	764947	4.33%	0.646%
29	16.029	2241	2245	2248	rVV	224530	329186	1.86%	0.278%
30	16.070	2248	2252	2260	rVB	601257	906428	5.13%	0.766%
31	16.217	2260	2277	2284	rBV	634261	1428017	8.09%	1.206%
32	16.305	2289	2292	2298	rVB	112578	163809	0.93%	0.138%
33	16.569	2332	2337	2343	rVB	327942	494419	2.80%	0.418%
34	16.775	2360	2372	2377	rBV2	463409	1069240	6.06%	0.903%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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	16.828	2377	2381	2386	rBV2	149867	217197	1.23%	0.183%
36	16.928	2392	2398	2402	rVB3	184468	318880	1.81%	0.269%
37	17.004	2402	2411	2414	rBV2	145672	359306	2.04%	0.304%
38	17.045	2414	2418	2421	rVB2	134693	174028	0.99%	0.147%
39	17.133	2429	2433	2439	rVB4	96937	182990	1.04%	0.155%
40	17.204	2439	2445	2453	rBV3	197757	537165	3.04%	0.454%
41	17.298	2455	2461	2471	rVB	1027301	1581898	8.96%	1.336%
42	17.562	2485	2506	2510	rBV	6738596	17651992	100.00%	14.910%
43	17.598	2510	2512	2513	rVV	190339	195391	1.11%	0.165%
44	17.621	2513	2516	2522	rVB	875688	1144795	6.49%	0.967%
45	17.880	2548	2560	2568	rVV2	636077	1310218	7.42%	1.107%
46	17.991	2575	2579	2584	rVV2	239257	394044	2.23%	0.333%
47	18.056	2587	2590	2598	rVB3	100697	196447	1.11%	0.166%
48	18.197	2605	2614	2622	rVB	89865	229035	1.30%	0.193%
49	18.350	2635	2640	2644	rVV	820999	1268657	7.19%	1.072%
50	18.403	2644	2649	2655	rVB	1145137	1700318	9.63%	1.436%
51	18.485	2655	2663	2668	rBV	362809	640329	3.63%	0.541%
52	18.555	2668	2675	2684	rVV2	1625277	3278655	18.57%	2.769%
53	18.779	2710	2713	2719	rVV5	71672	131091	0.74%	0.111%
54	18.843	2719	2724	2729	rVV	734292	1012320	5.73%	0.855%
55	19.084	2761	2765	2770	rVB3	140028	183222	1.04%	0.155%
56	19.172	2777	2780	2784	rVB	103694	132328	0.75%	0.112%
57	19.254	2788	2794	2800	rBV2	208734	424727	2.41%	0.359%
58	19.325	2801	2806	2809	rBV2	93862	130154	0.74%	0.110%
59	19.419	2814	2822	2827	rVB6	68256	190566	1.08%	0.161%
60	19.548	2834	2844	2848	rBV	4920999	9900700	56.09%	8.363%
61	19.619	2853	2856	2860	rVB	141039	178006	1.01%	0.150%
62	19.772	2876	2882	2891	rVB2	255902	500993	2.84%	0.423%
63	19.907	2891	2905	2910	rBV3	3708438	9141110	51.79%	7.721%
64	19.954	2910	2913	2920	rVB2	248996	370972	2.10%	0.313%
65	20.059	2925	2931	2937	rVB	322214	454565	2.58%	0.384%
66	20.118	2937	2941	2948	rVB	132349	209657	1.19%	0.177%
67	20.200	2949	2955	2957	rBV	270747	496309	2.81%	0.419%
68	20.259	2962	2965	2970	rVB	164146	205129	1.16%	0.173%
69	20.341	2971	2979	2980	rBV2	152043	292036	1.65%	0.247%
70	20.377	2980	2985	2990	rVB	882390	1302025	7.38%	1.100%
71	20.477	2995	3002	3006	rBV	1034219	1501228	8.50%	1.268%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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	20.535	3006	3012	3015	rVV2	245615	484195	2.74%	0.409%
73	20.571	3015	3018	3021	rVV2	159246	181040	1.03%	0.153%
74	20.606	3021	3024	3030	rVB2	85654	137614	0.78%	0.116%
75	20.670	3031	3035	3039	rBV	145979	206138	1.17%	0.174%
76	20.717	3039	3043	3047	rVB	127417	158936	0.90%	0.134%
77	20.900	3069	3074	3078	rBV	140847	204444	1.16%	0.173%
78	21.088	3101	3106	3111	rBV2	102090	198727	1.13%	0.168%
79	21.328	3138	3147	3150	rBV	272129	471874	2.67%	0.399%
80	21.370	3150	3154	3158	rVV	262930	422719	2.39%	0.357%
81	21.422	3158	3163	3167	rVV2	242405	453537	2.57%	0.383%
82	21.611	3186	3195	3204	rBV	81423	210691	1.19%	0.178%
83	21.740	3205	3217	3223	rVV3	1393604	3092096	17.52%	2.612%
84	21.804	3223	3228	3240	rVB	1026847	1845283	10.45%	1.559%
85	21.957	3248	3254	3262	rBV	261882	468681	2.66%	0.396%
86	22.163	3283	3289	3296	rVV2	145675	287879	1.63%	0.243%
87	22.486	3336	3344	3351	rVV	116342	332135	1.88%	0.281%
88	22.562	3352	3357	3364	rVV	64634	147779	0.84%	0.125%
89	22.709	3377	3382	3387	rVV2	70946	152176	0.86%	0.129%
90	22.768	3387	3392	3396	rVV2	71755	156862	0.89%	0.132%
91	22.815	3396	3400	3409	rVV5	108192	233038	1.32%	0.197%
92	22.909	3409	3416	3430	rVV4	57712	156939	0.89%	0.133%
93	23.990	3589	3600	3607	rBV	308354	1063012	6.02%	0.898%
94	24.243	3636	3643	3652	rVB2	57597	143471	0.81%	0.121%
95	24.725	3715	3725	3734	rBV	141510	383566	2.17%	0.324%
96	24.871	3740	3750	3765	rVV	207776	629340	3.57%	0.532%
97	25.024	3765	3776	3784	rVV3	162286	519966	2.95%	0.439%
98	25.106	3784	3790	3804	rVB	61649	191600	1.09%	0.162%
99	28.743	4396	4409	4433	rVB3	52518	266992	1.51%	0.226%
100	28.984	4436	4450	4465	rBV4	42333	178594	1.01%	0.151%

Sum of corrected areas: 118387192

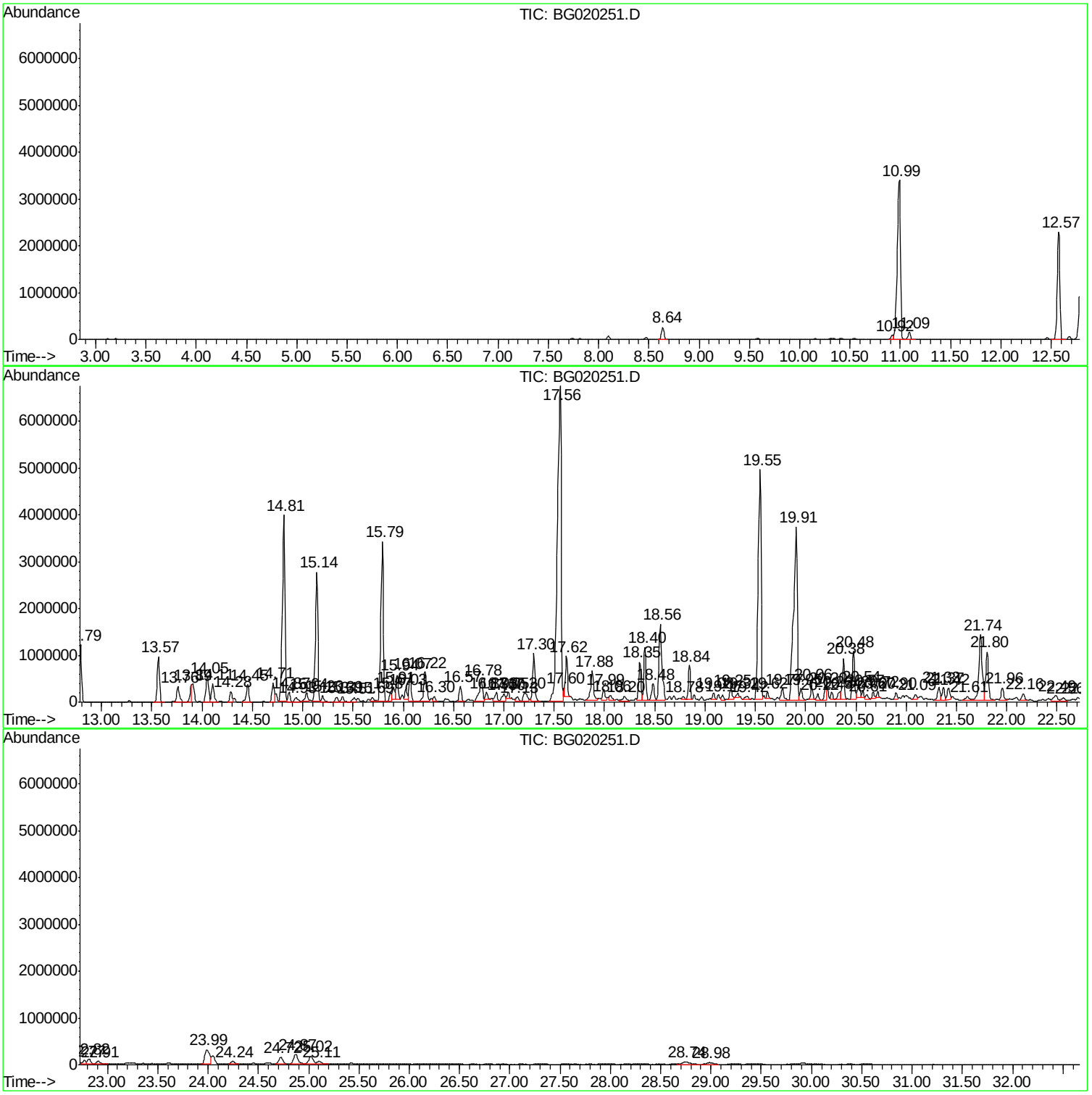
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

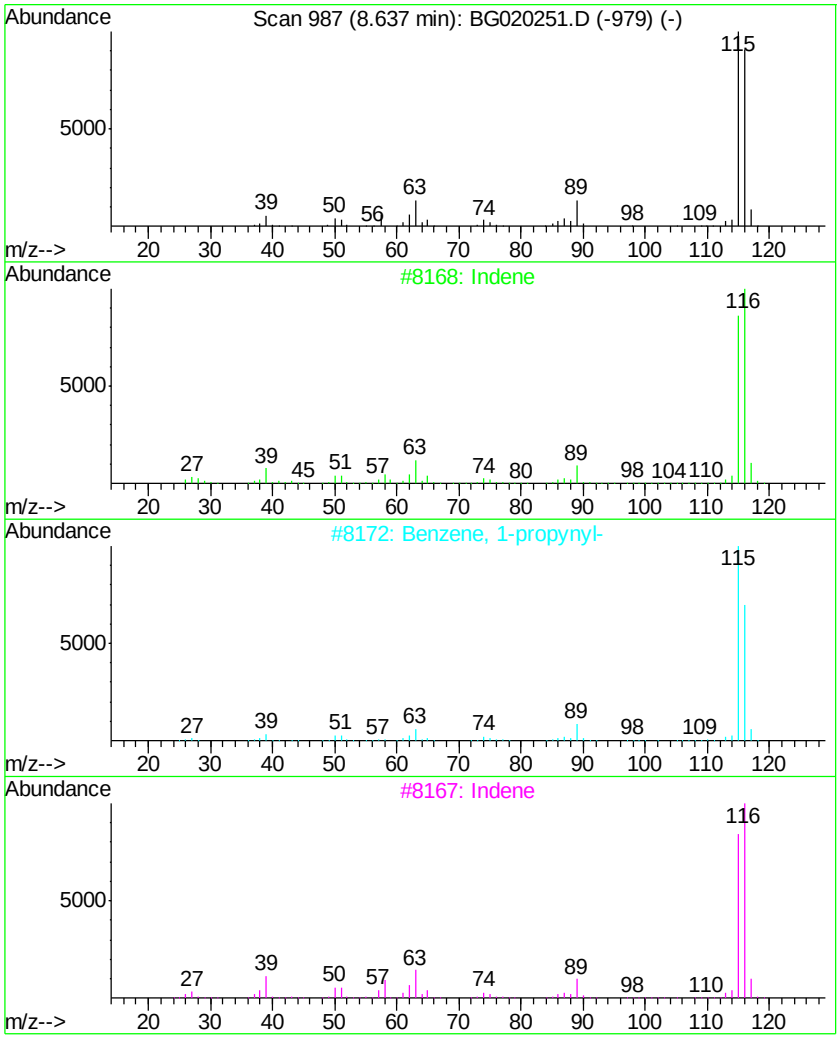
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

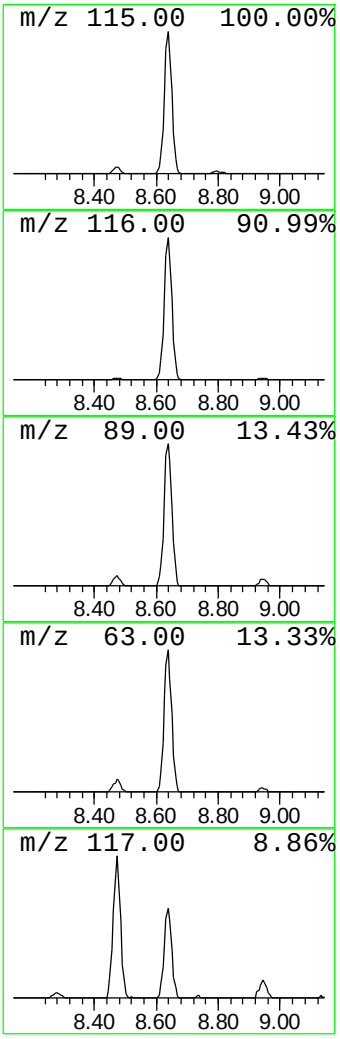
****

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	20.00 ng/ul	440550	1,4-Dichlorobenzene-d4	8.10

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

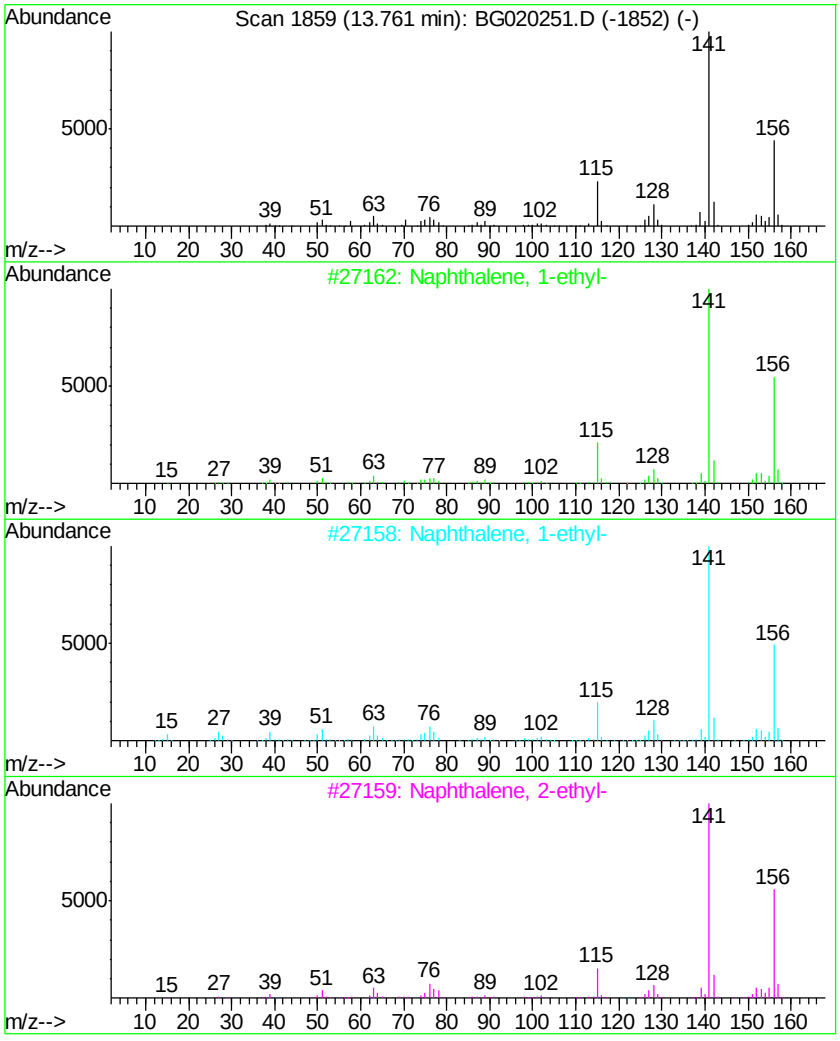
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

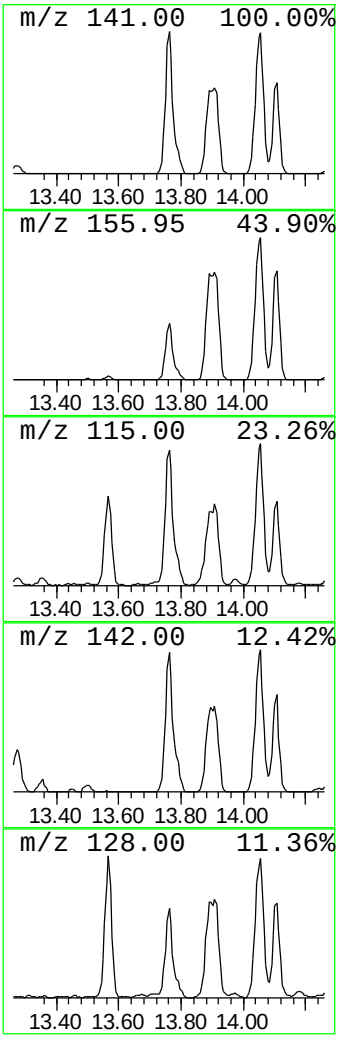
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	19.67 ng/ul	626857	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, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
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\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

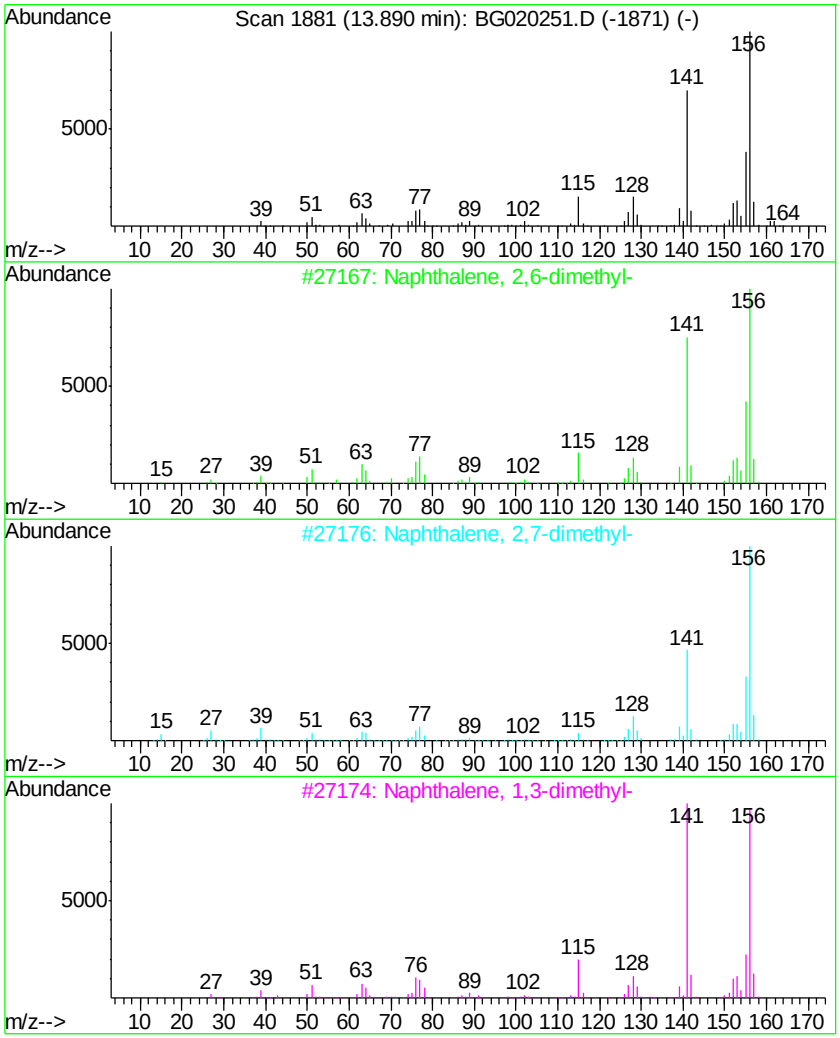
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

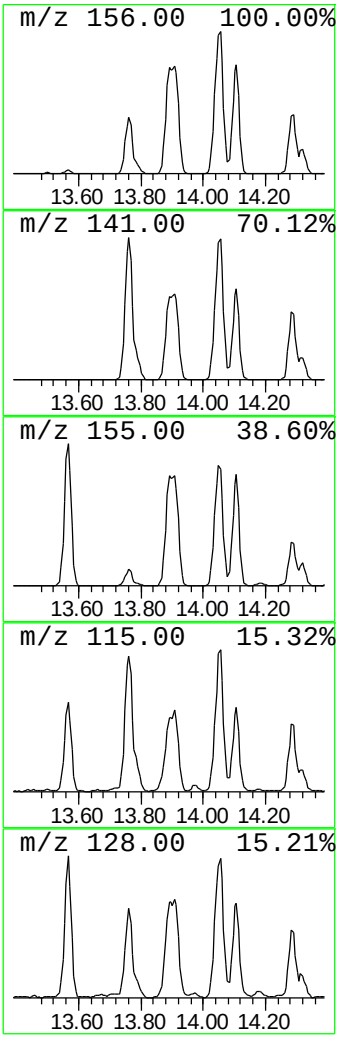
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	15.96 ng/ul	508468	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

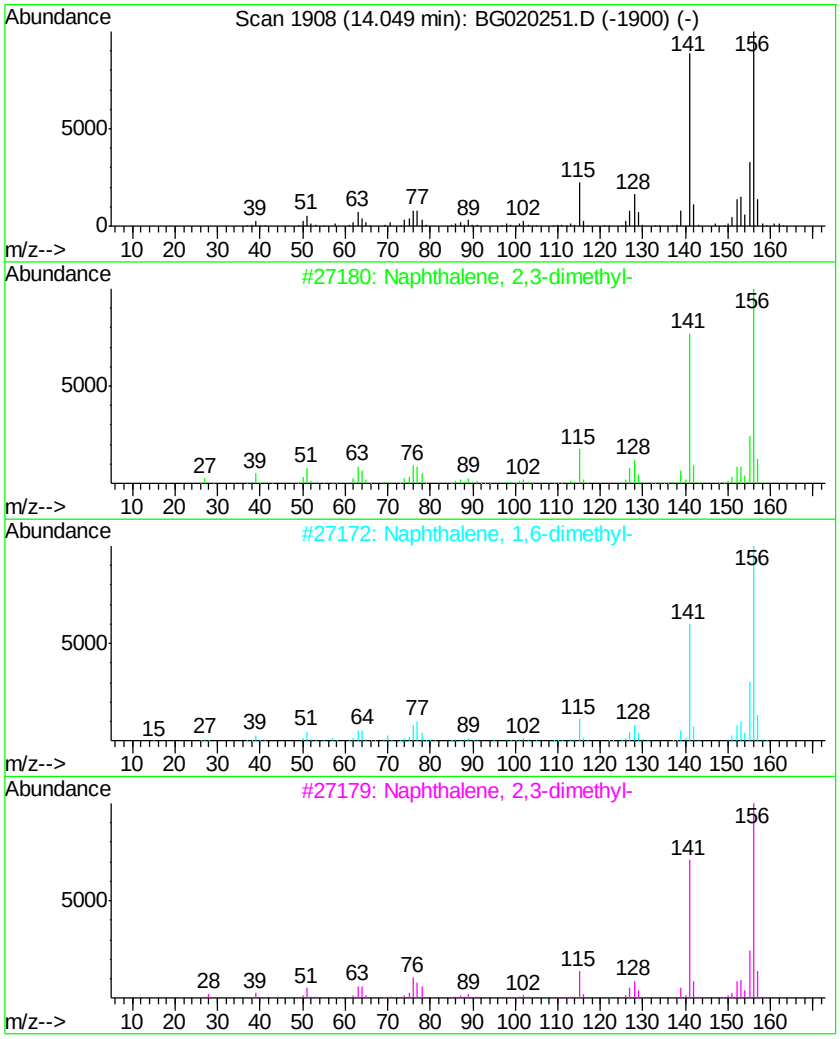
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

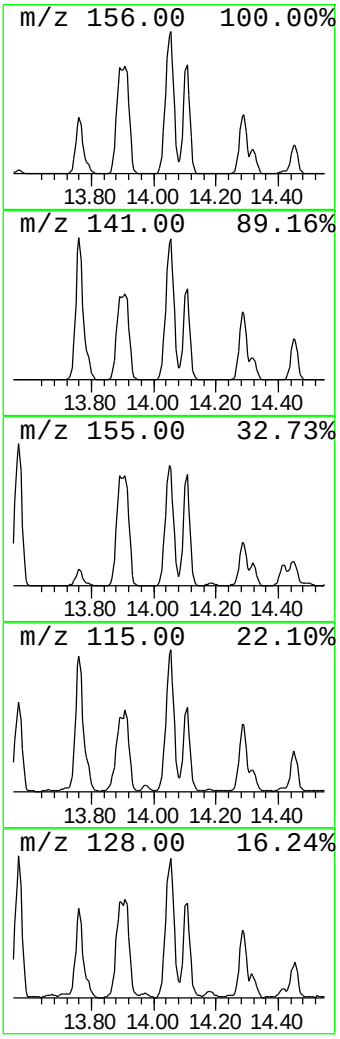
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	31.69 ng/ul	1009930	Acenaphthene-d10	14.73

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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

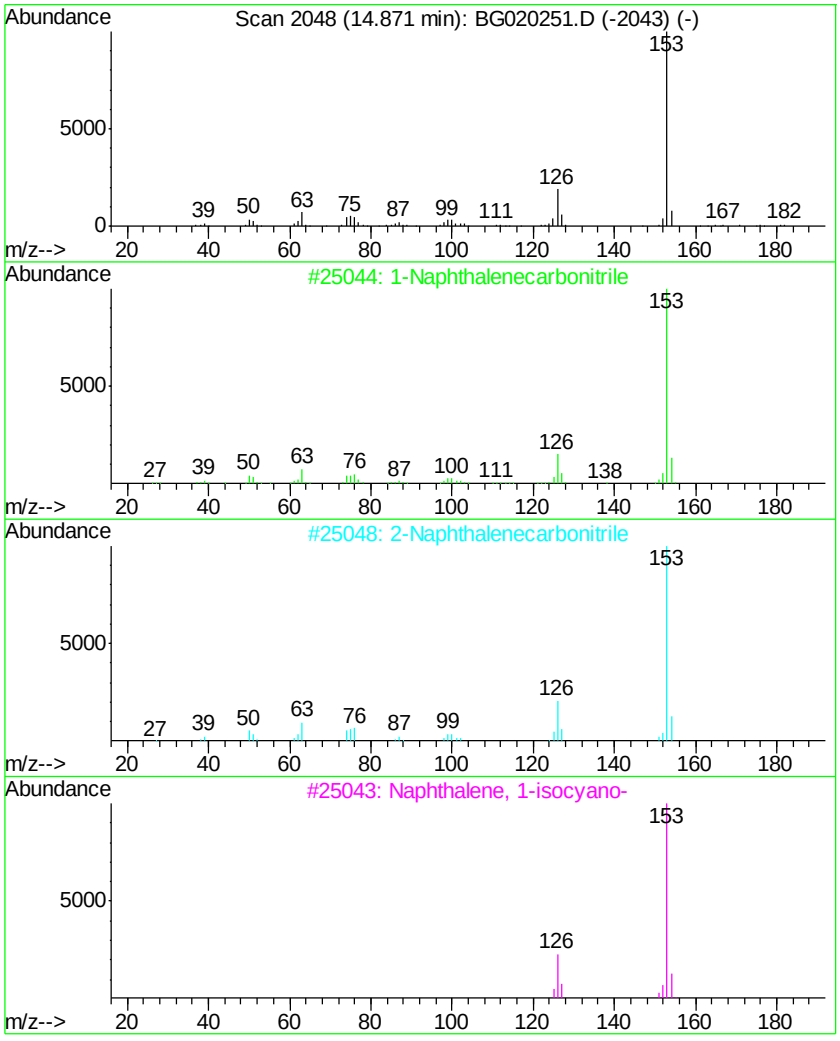
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

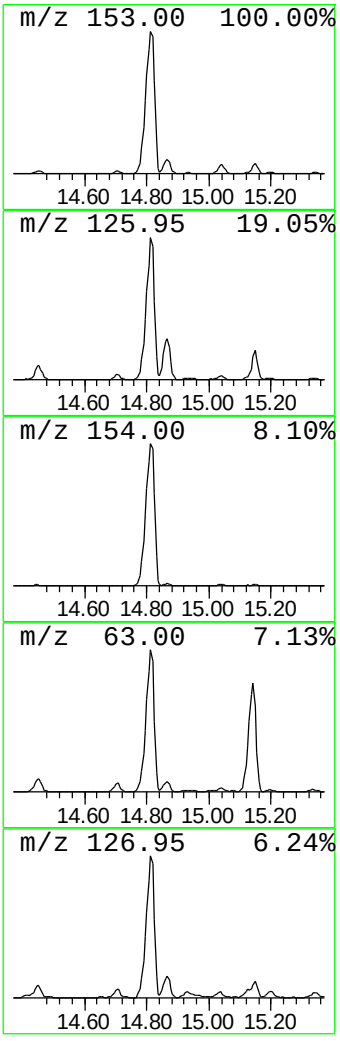
****

Peak Number 6 1-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	9.83 ng/ul	313112	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
3	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	83





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Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

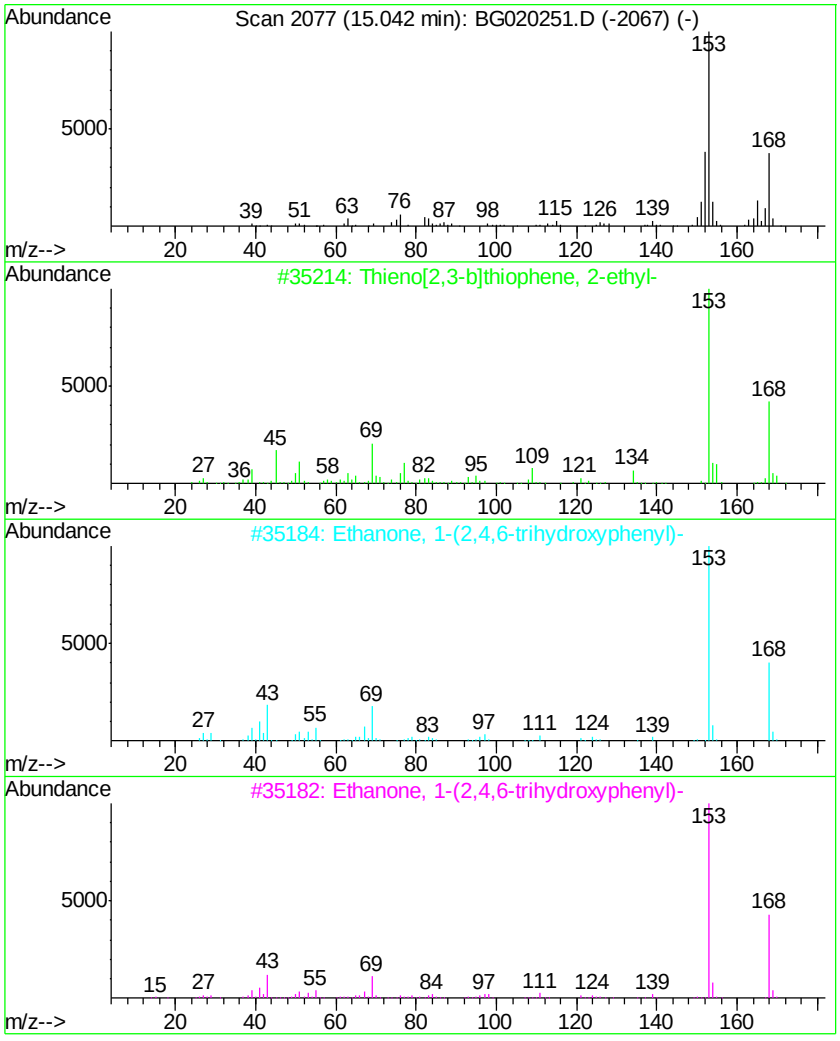
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

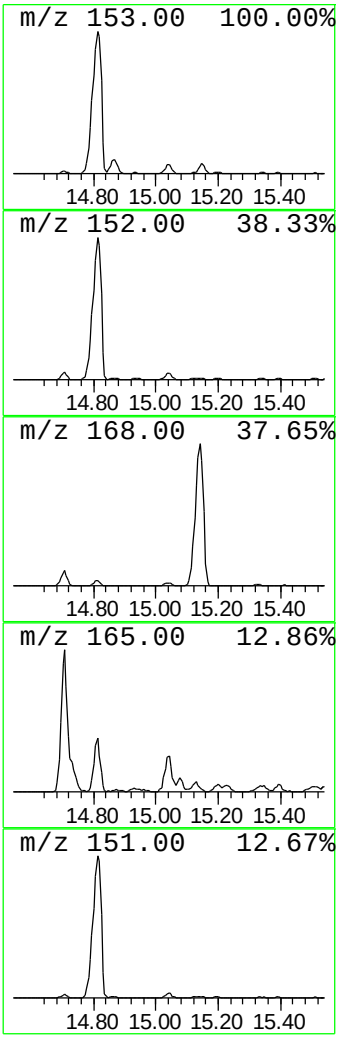
****

Peak Number 7 Thieno[2,3-b]thiophene, 2-e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	11.39 ng/ul	363075	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	47
5	2-Fluorobenzothiazole	153	C7H4FNS	001123-98-4	46





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Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

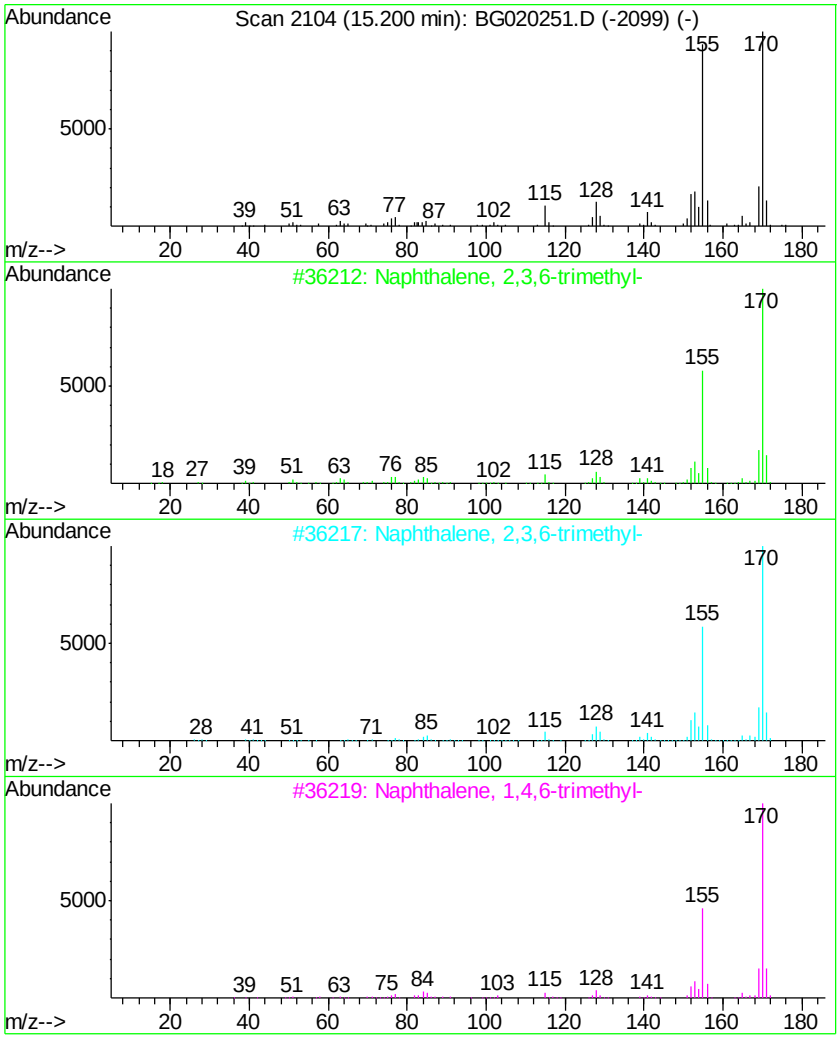
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

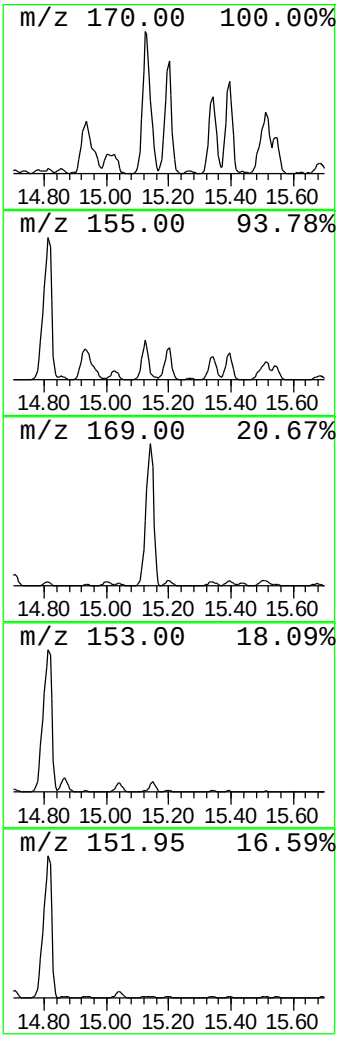
****

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	6.86 ng/ul	218671	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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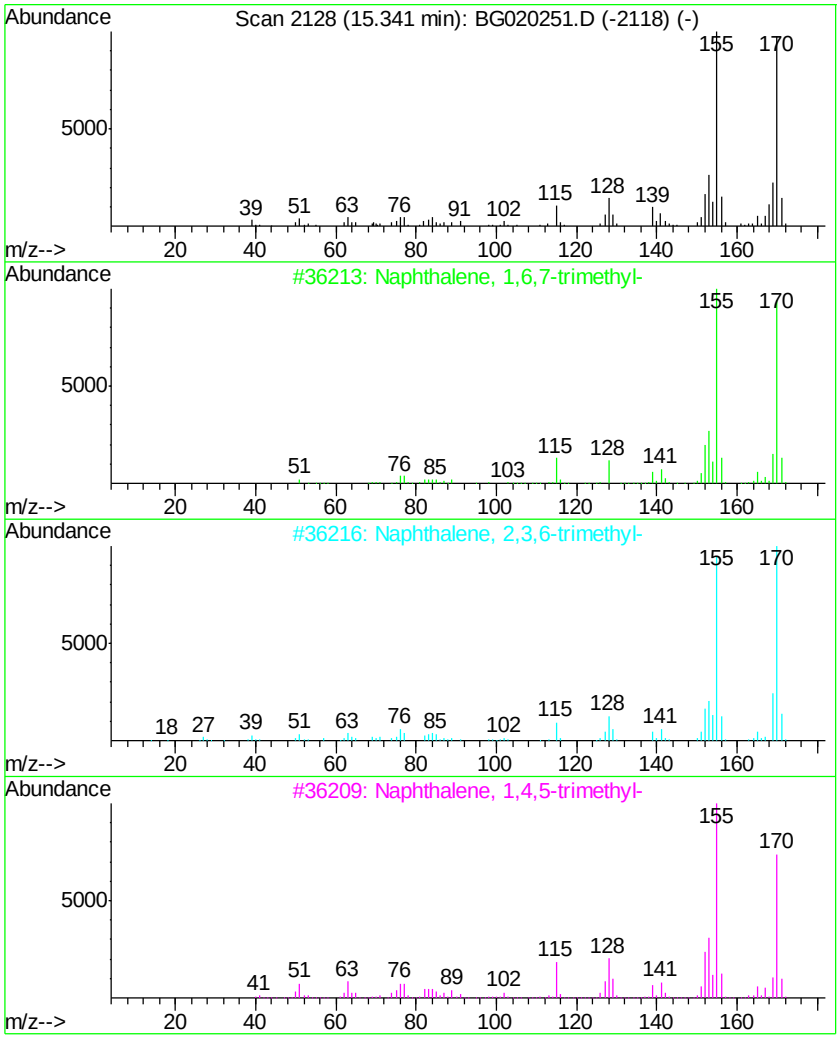
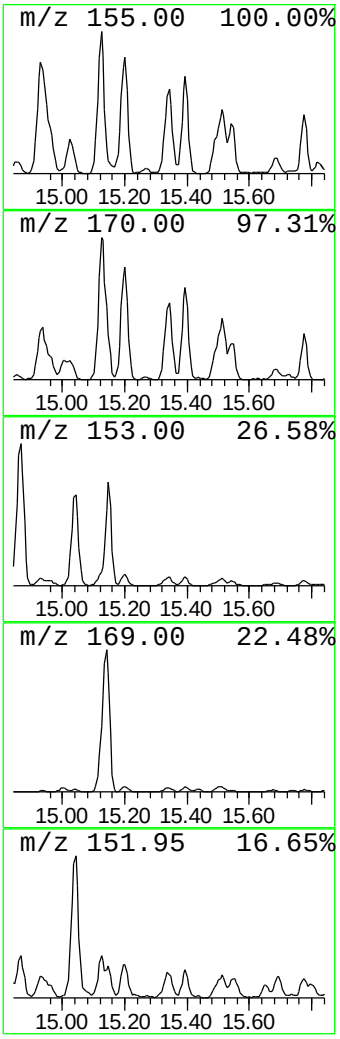
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.40 ng/ul	204061	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95





Library Search Compound Report

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Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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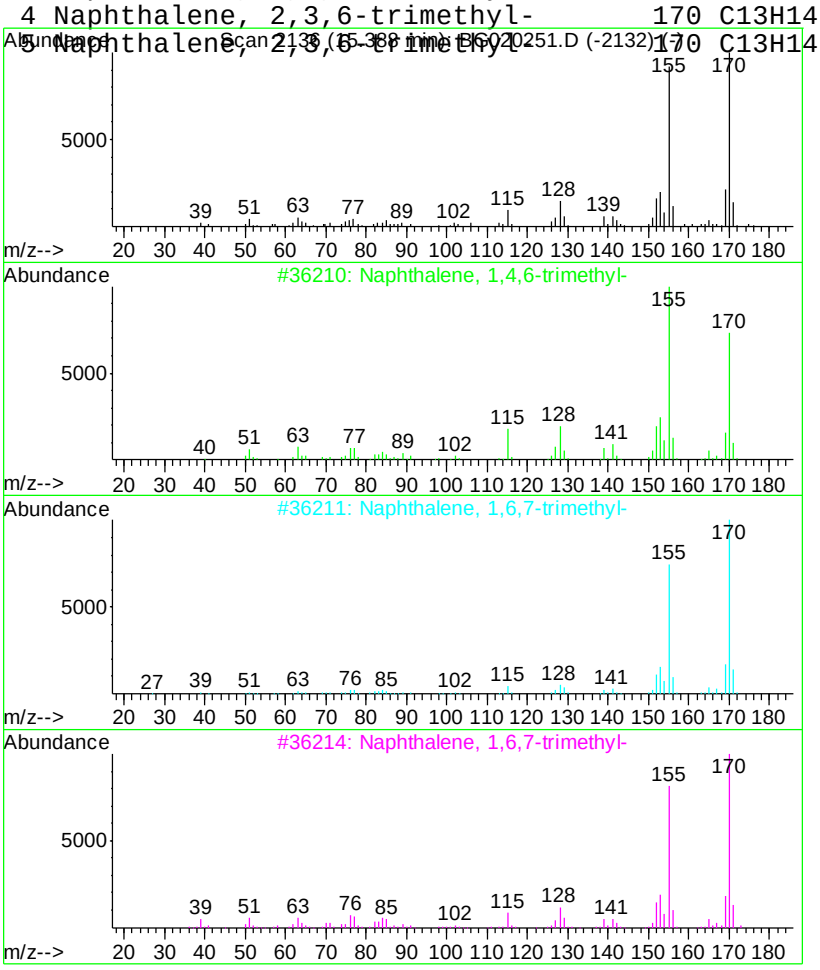
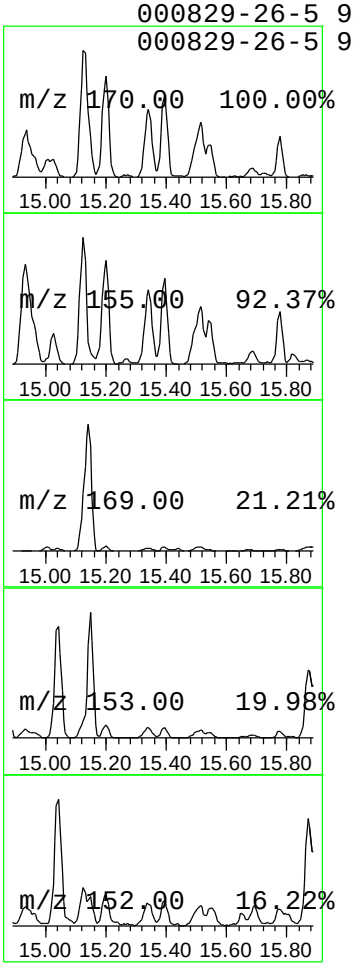
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	6.38 ng/ul	203169	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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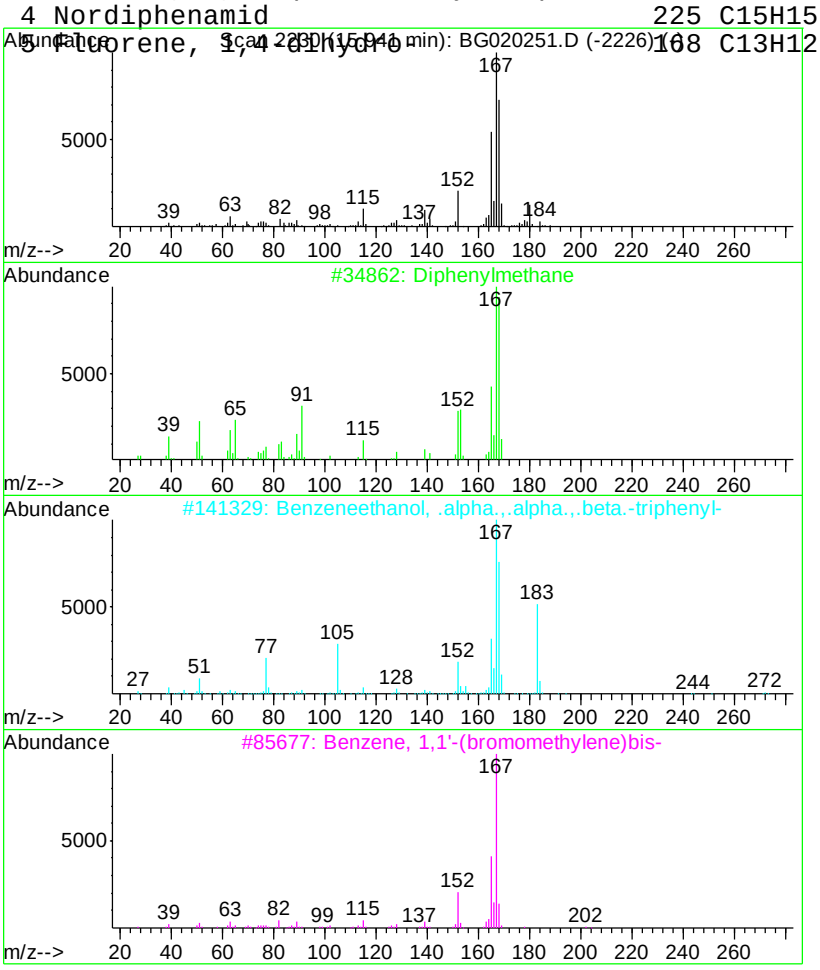
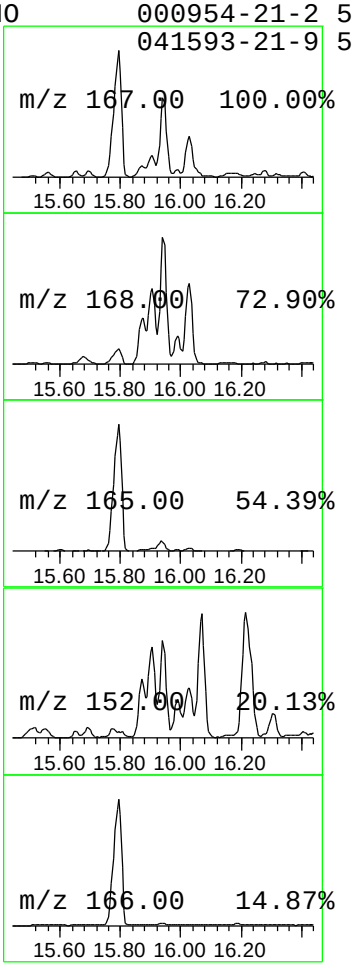
Peak Number 12 Diphenylmethane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	24.00 ng/ul	764947	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	58
4	Nordiphenamid	225	C15H15NO	000954-21-2	58
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	53





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Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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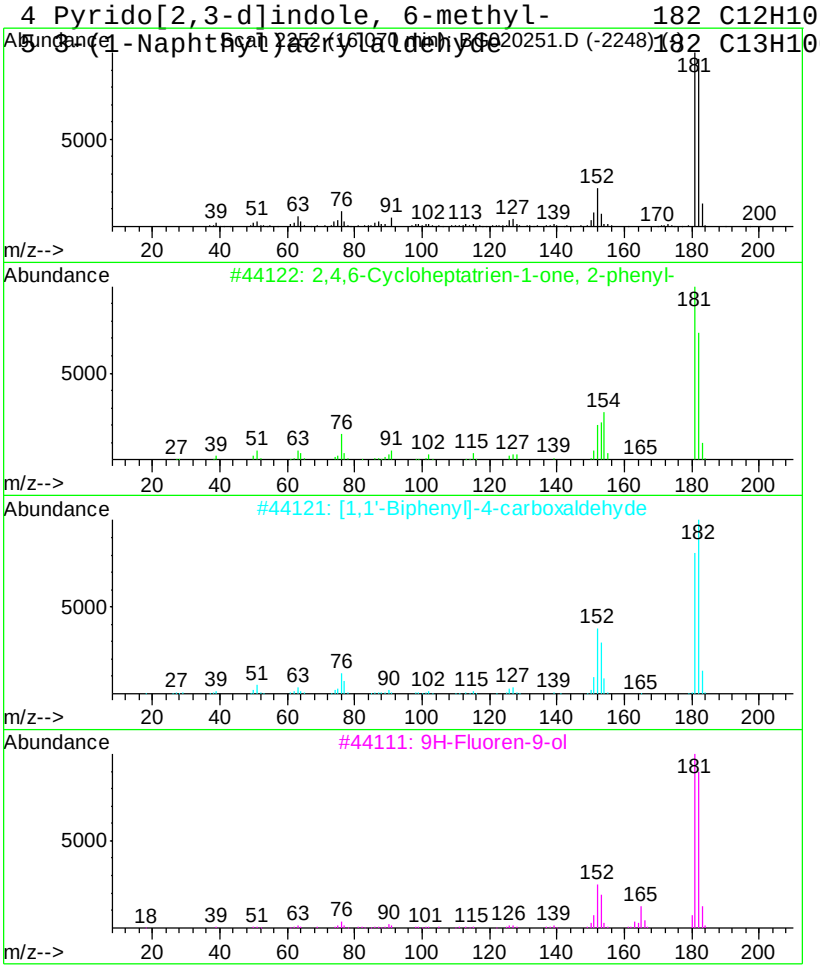
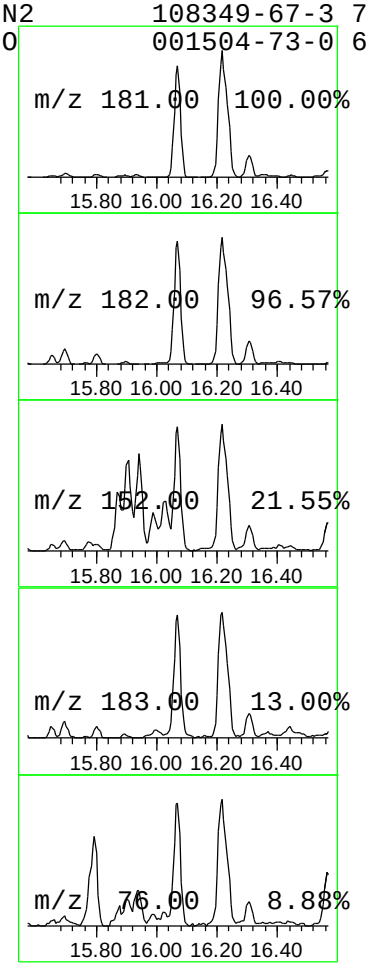
Peak Number 14 2,4,6-Cycloheptatrien-1-one... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	28.44 ng/ul	906428	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64





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Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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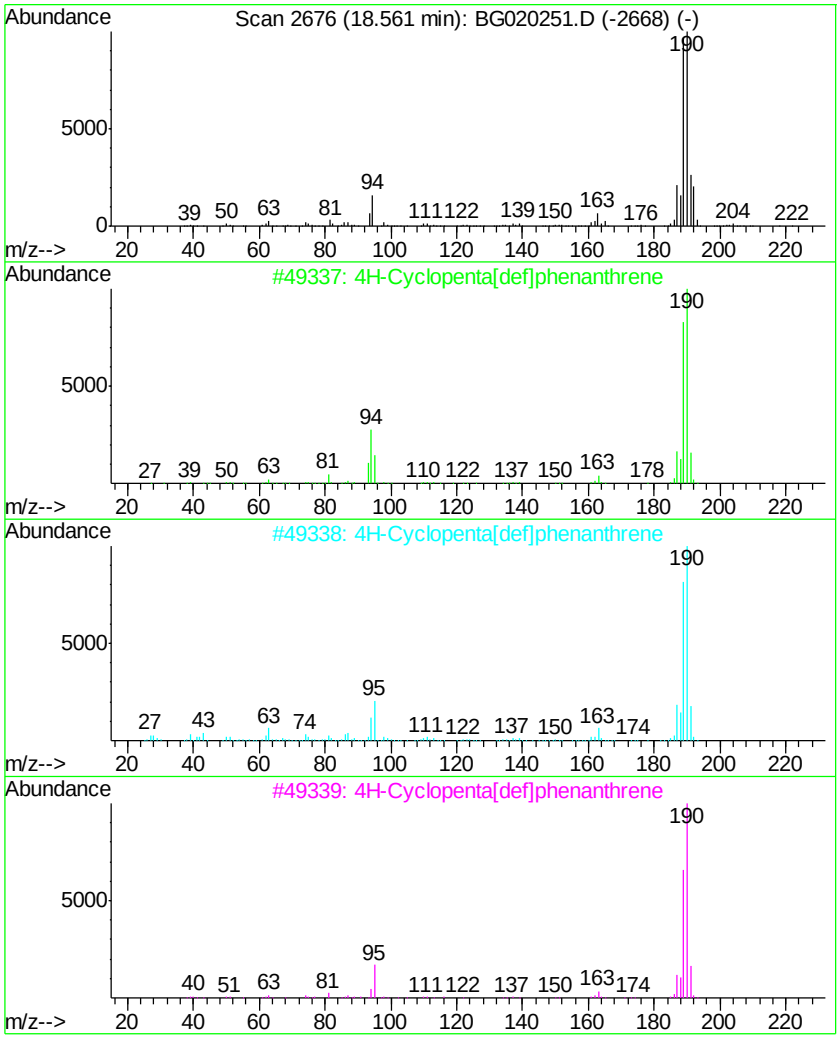
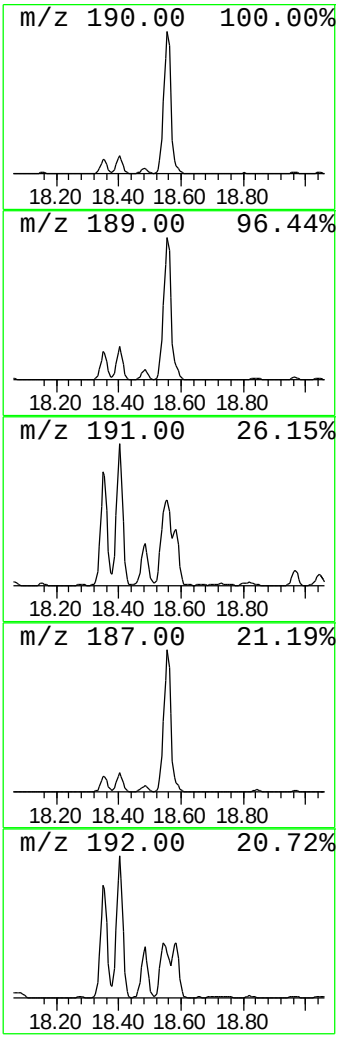
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.71 ng/ul	3278660	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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Quant Title : SVOA CALIBRATION

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

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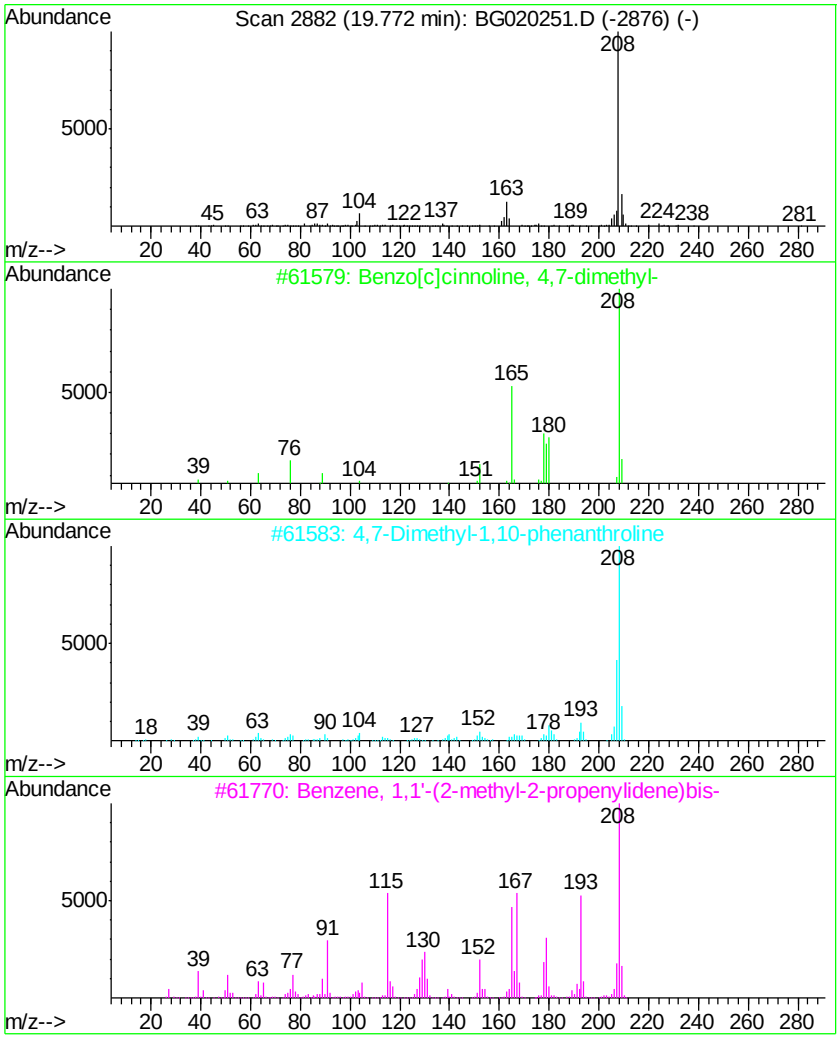
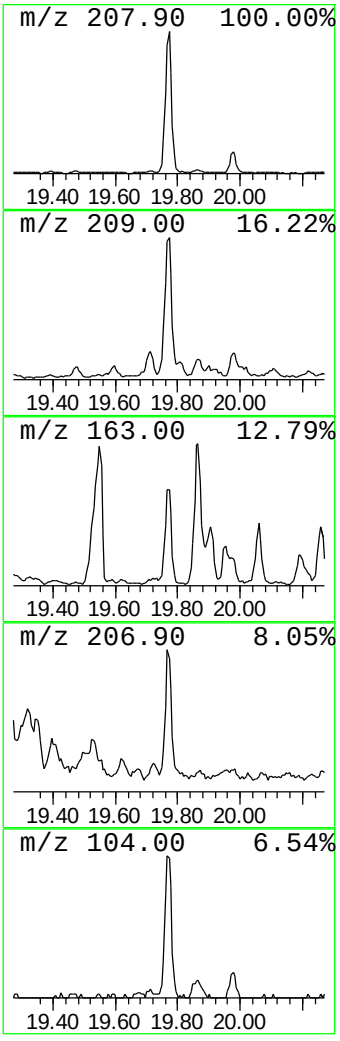
Peak Number 16 Benzo[c]cinnoline, 4,7-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	3.24 ng/ul	500993	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
2	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	64
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
4	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
5	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	59





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Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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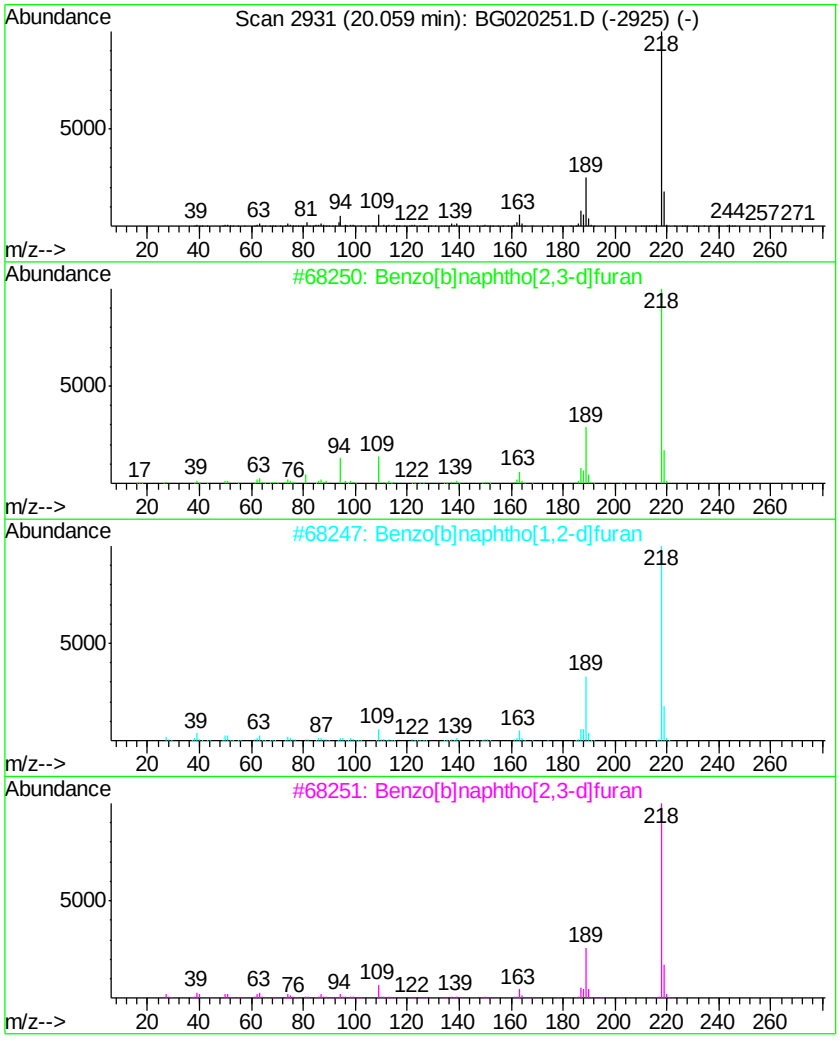
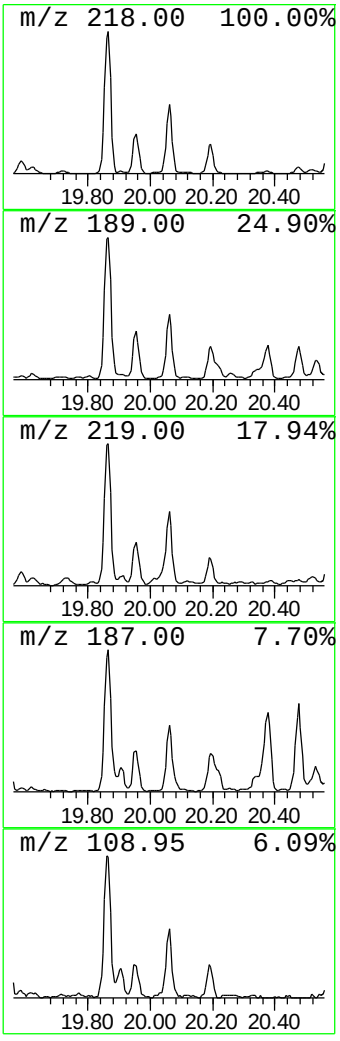
Peak Number 17 Benzo[b]naphtho[2,3-d]furan Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.94 ng/ul	454565	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





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Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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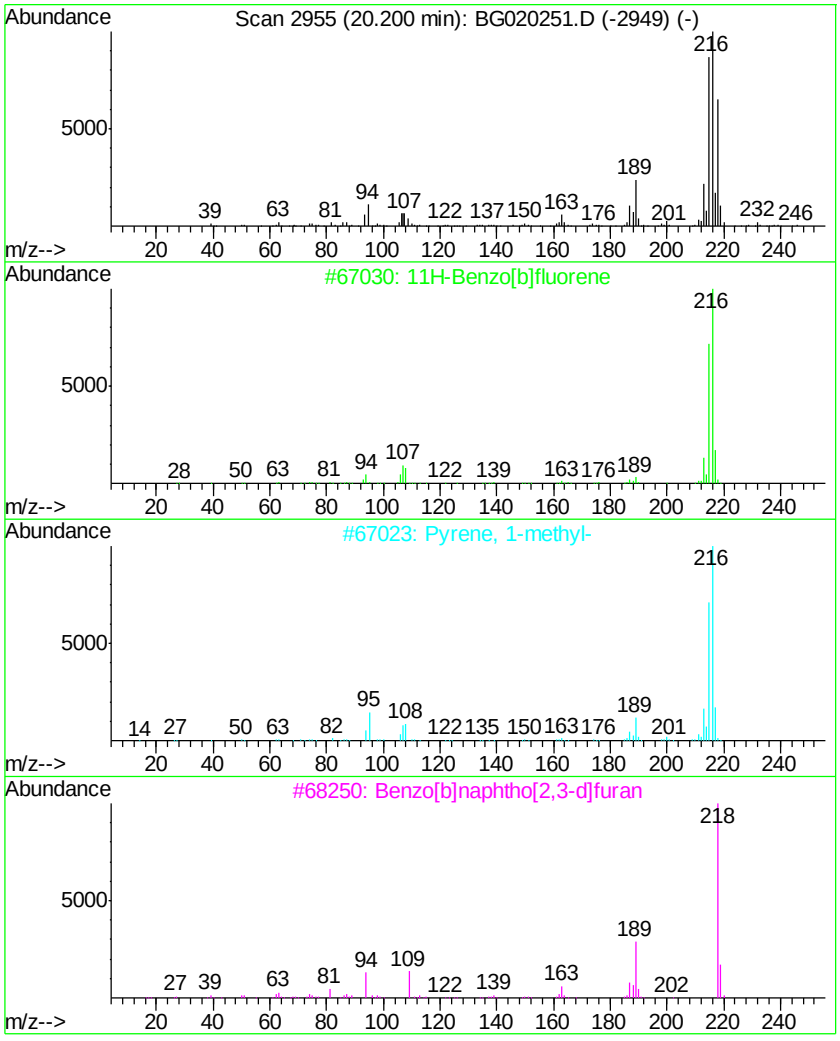
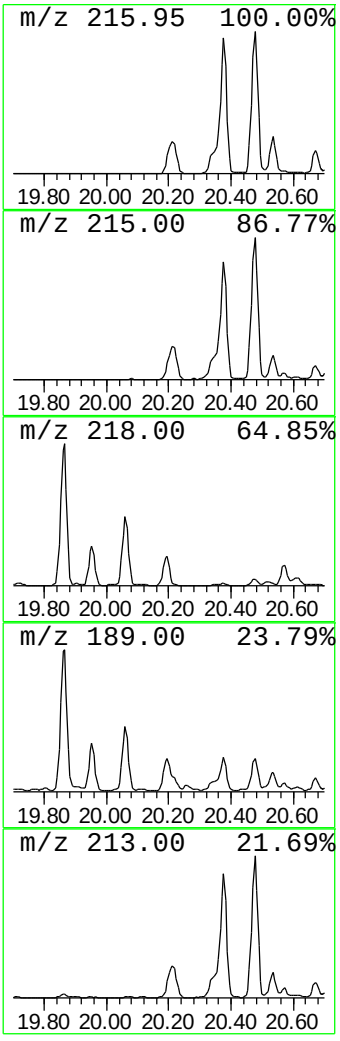
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.21 ng/ul	496309	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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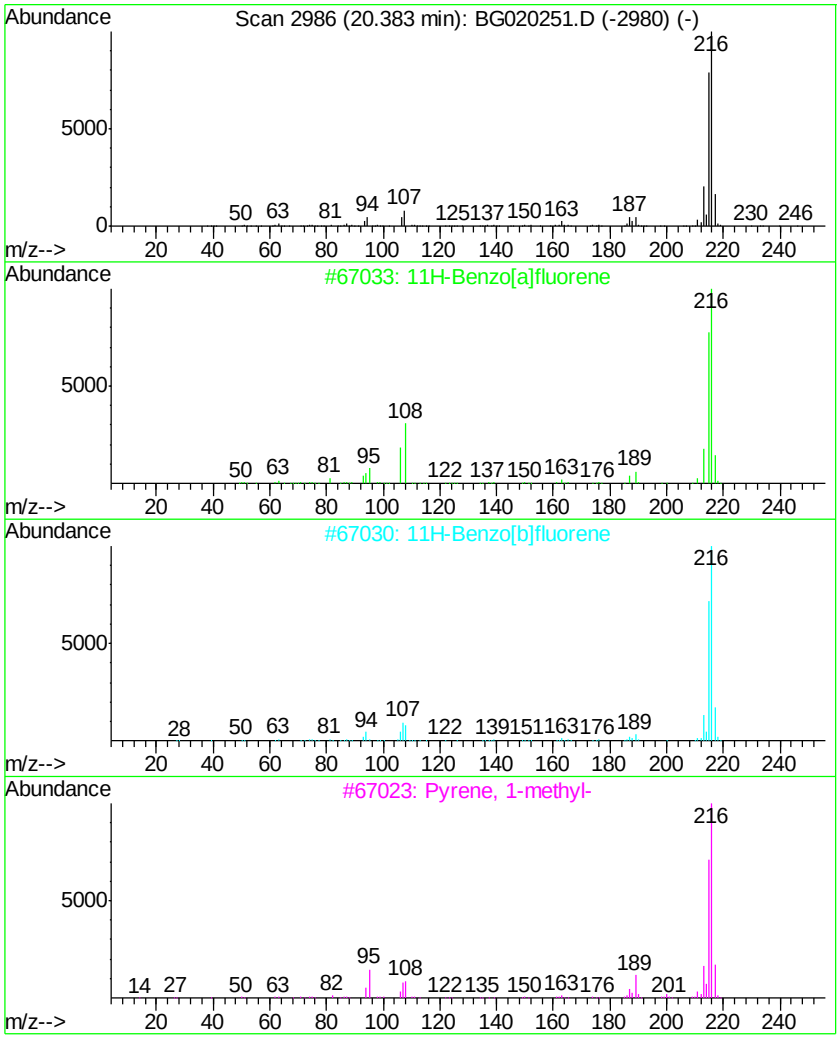
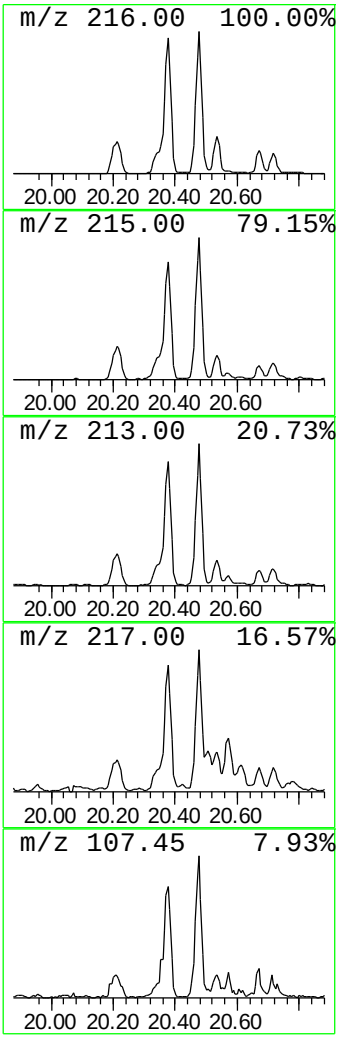
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	8.42 ng/ul	1302030	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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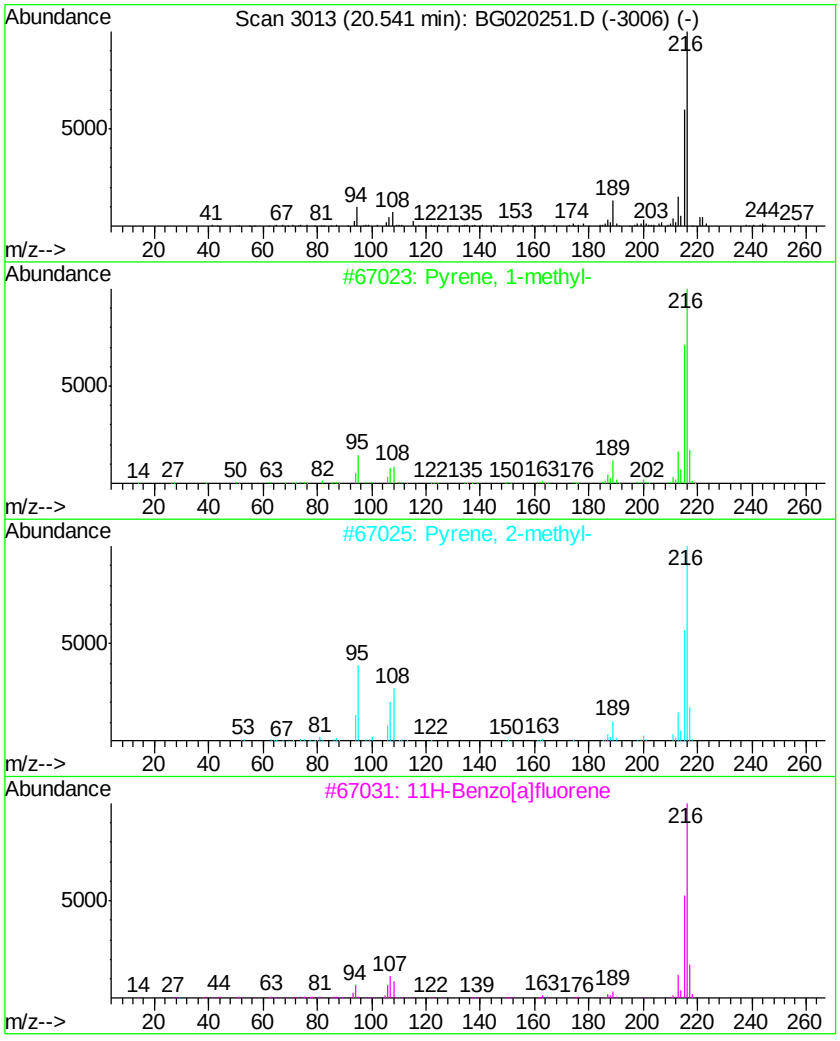
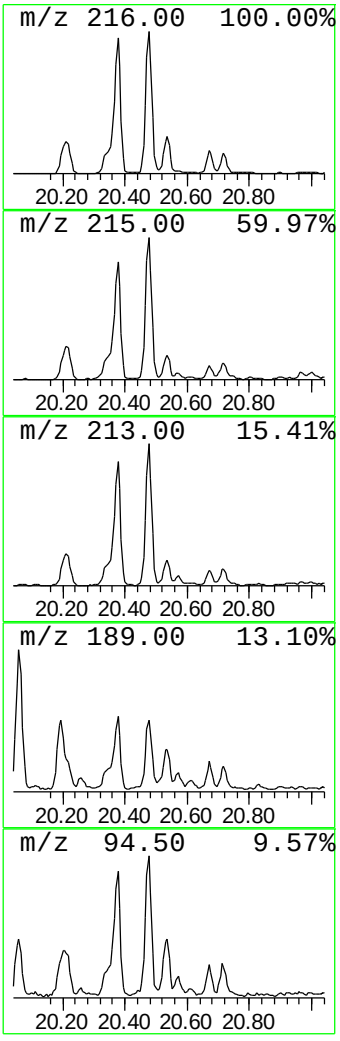
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	3.13 ng/ul	484195	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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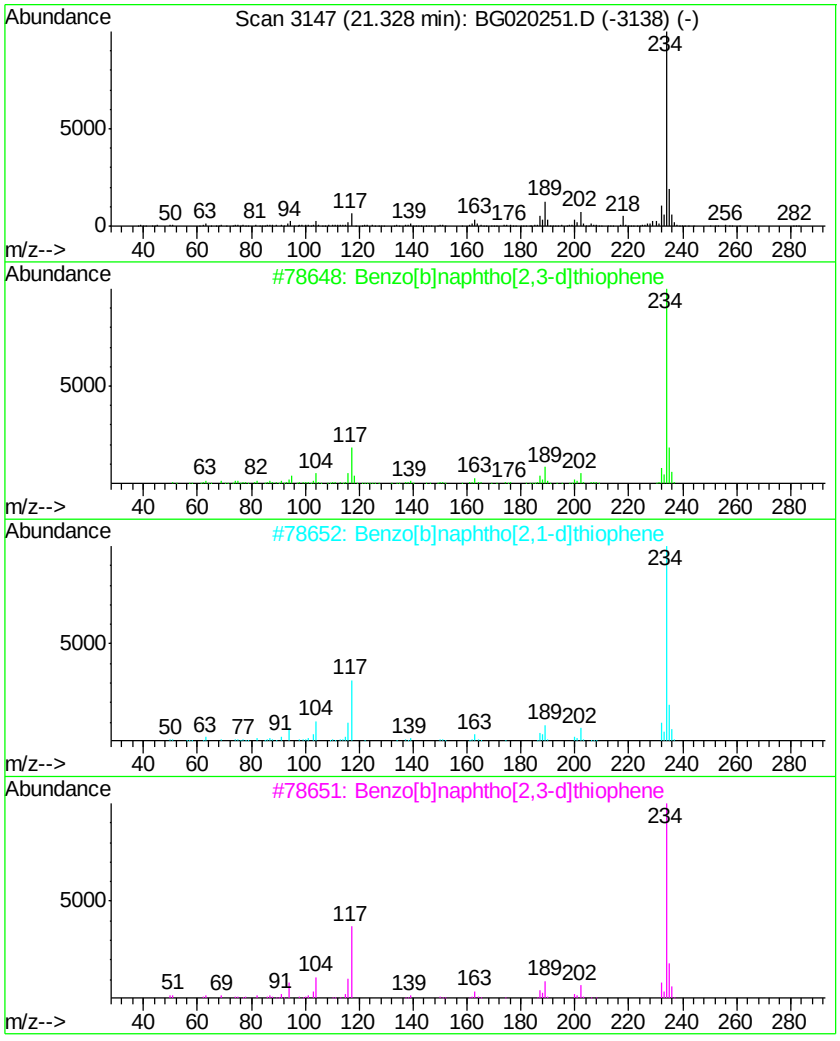
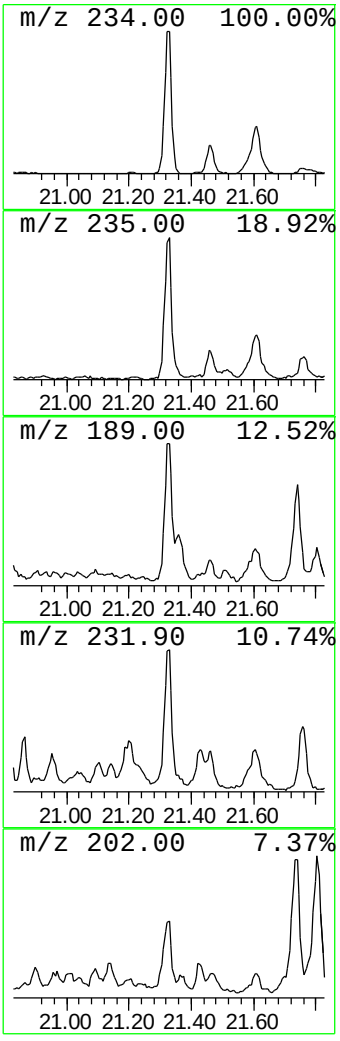
Peak Number 22 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	3.05 ng/ul	471874	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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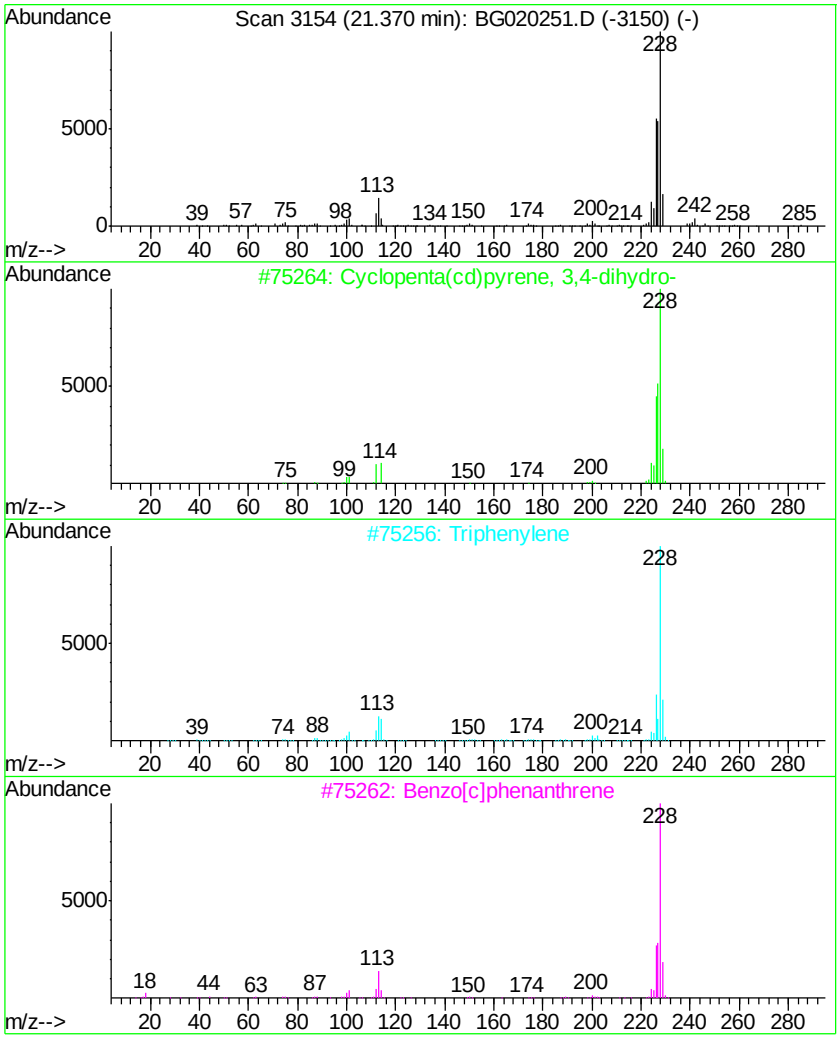
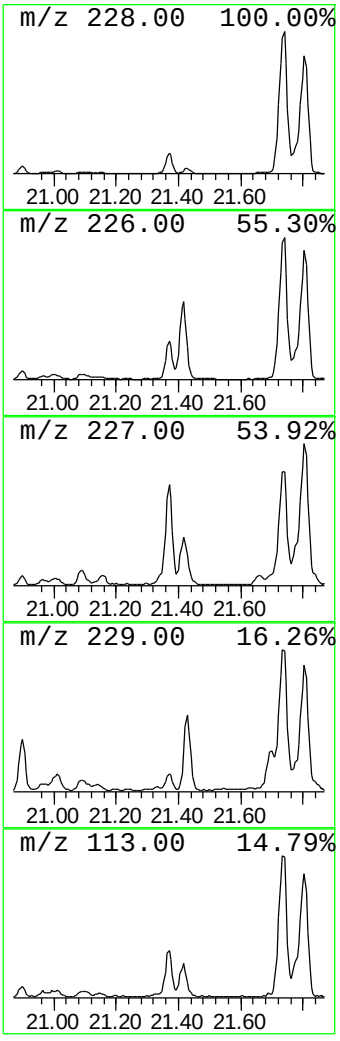
Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.73 ng/ul	422719	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
5	Chrysene	228	C18H12	000218-01-9	46





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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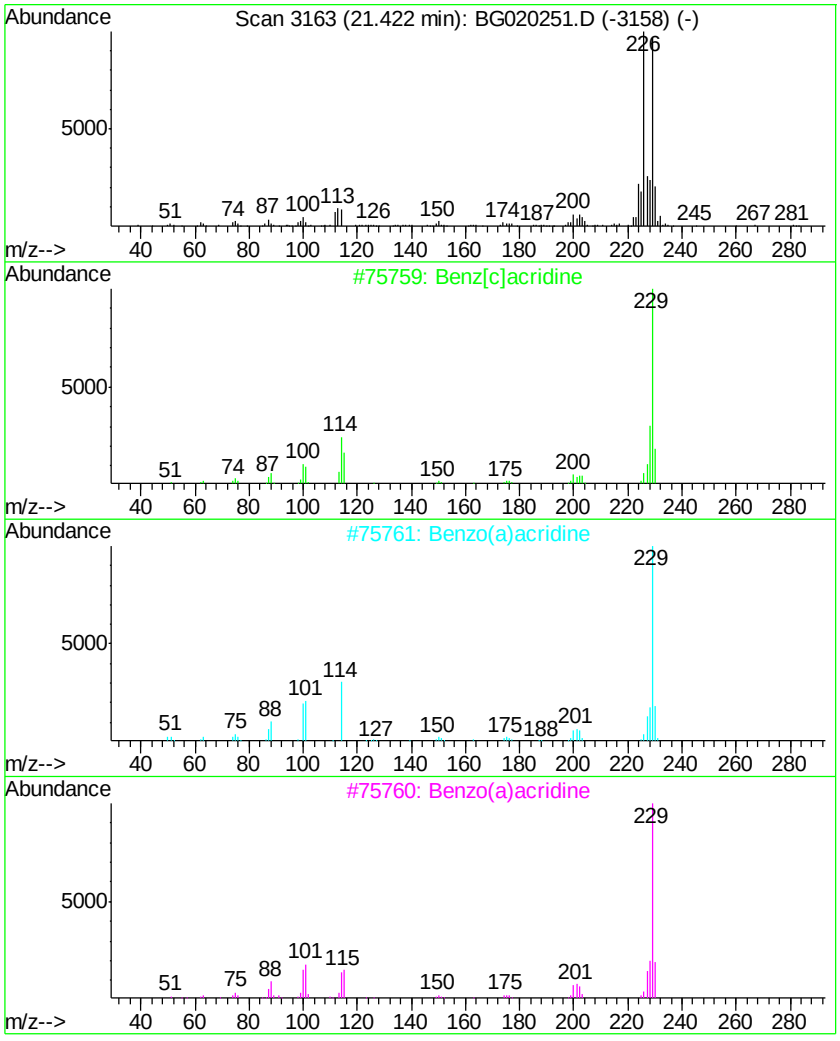
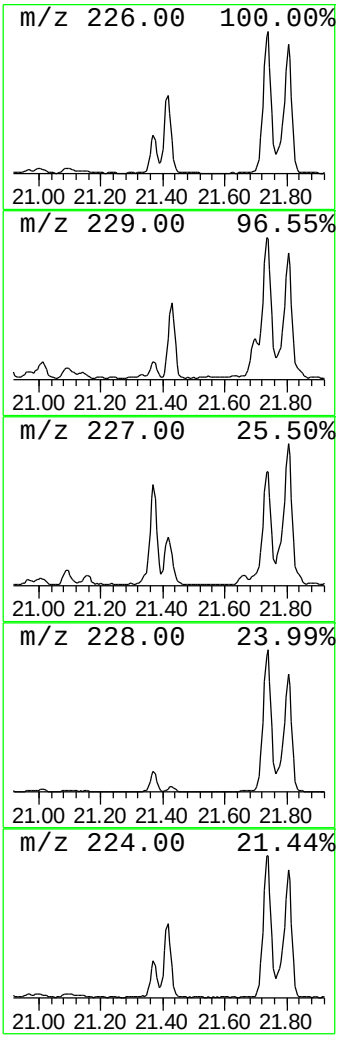
Peak Number 24 Benz[c]acridine Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.93 ng/ul	453537	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	50
2	Benzo(a)acridine	229	C17H11N	000225-11-6	50
3	Benzo(a)acridine	229	C17H11N	000225-11-6	43
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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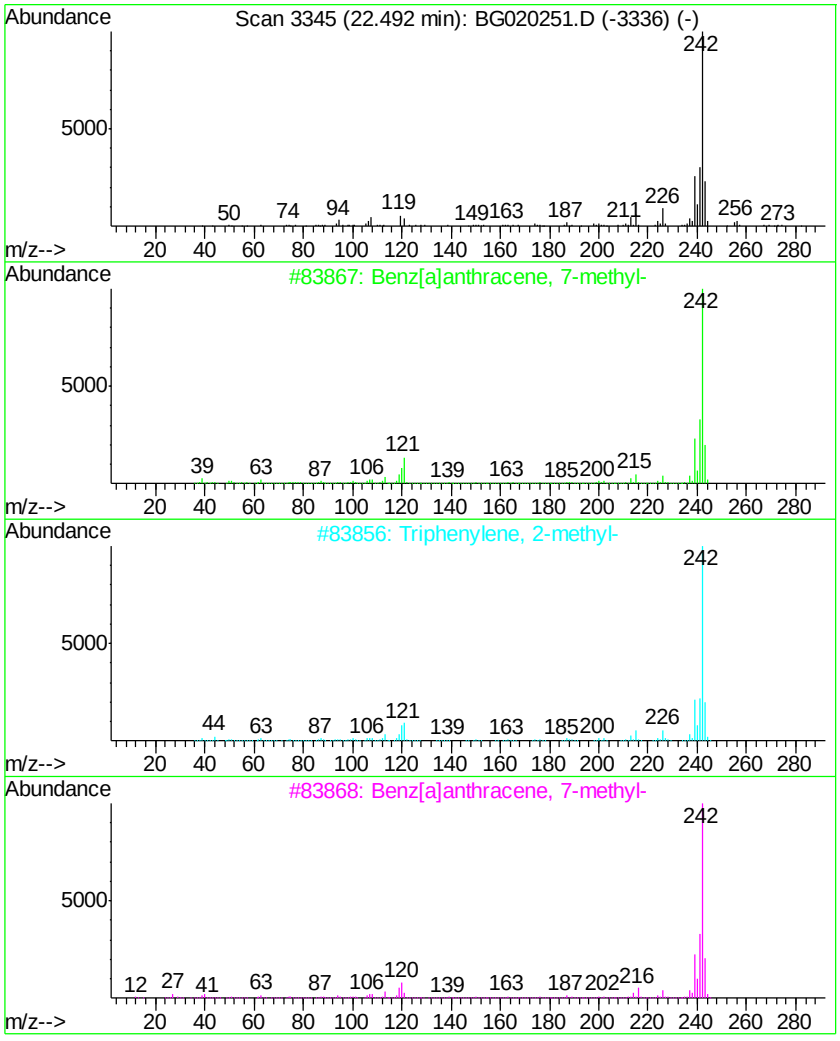
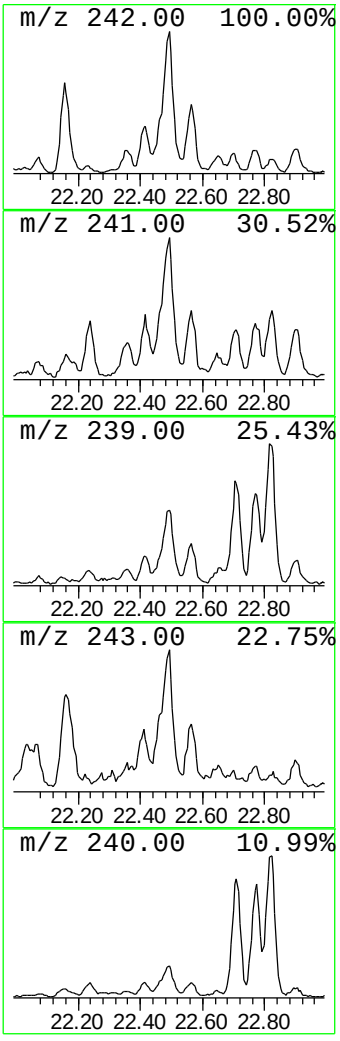
Peak Number 26 Benz[a]anthracene, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	2.15 ng/ul	332135	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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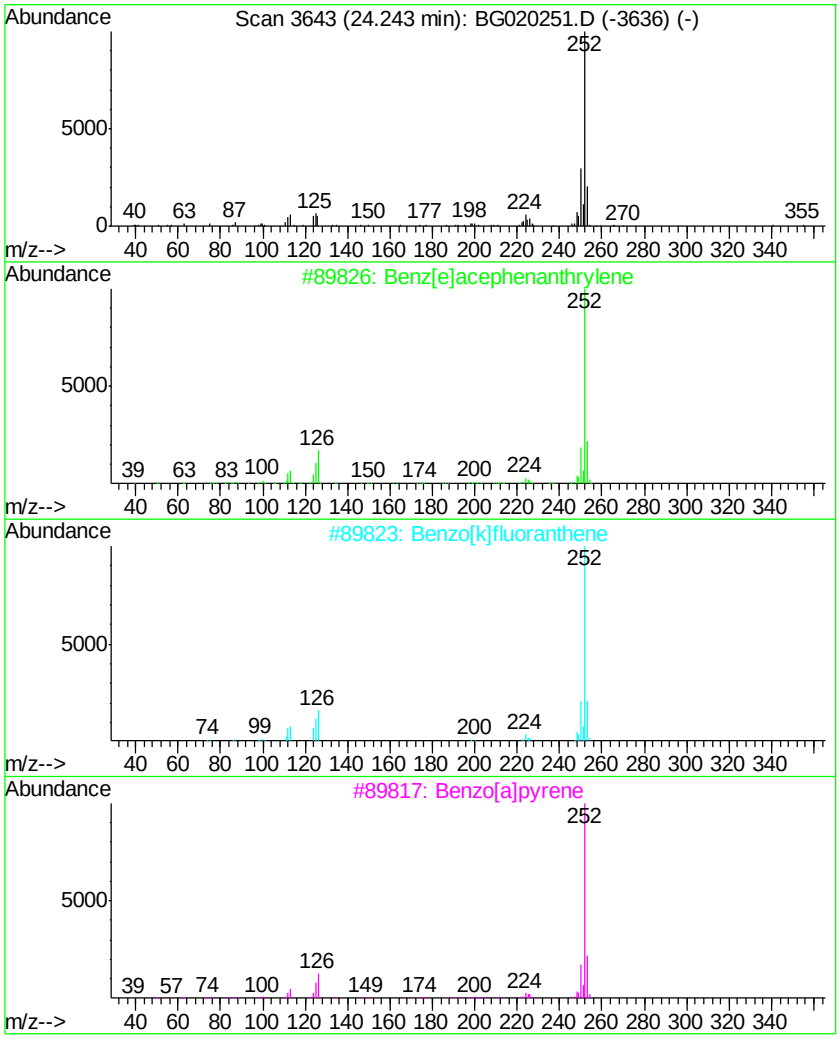
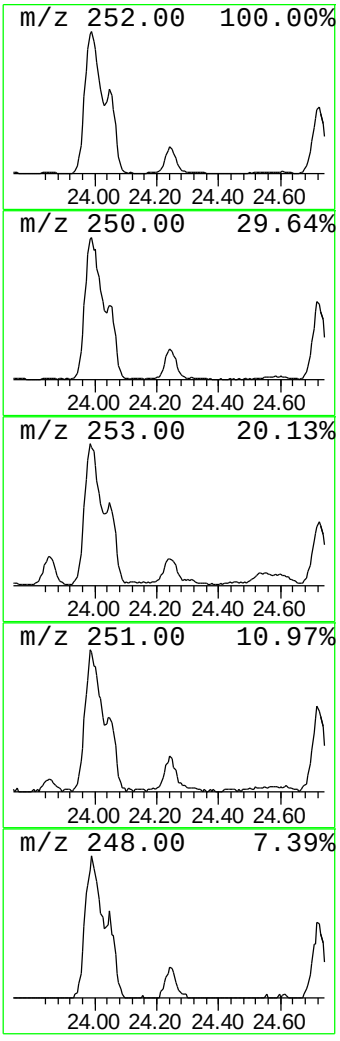
Peak Number 27 Benz[e]acephenanthrylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	5.52 ng/ul	143471	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
3	Benzo[a]pyrene	252	C20H12	000050-32-8	83
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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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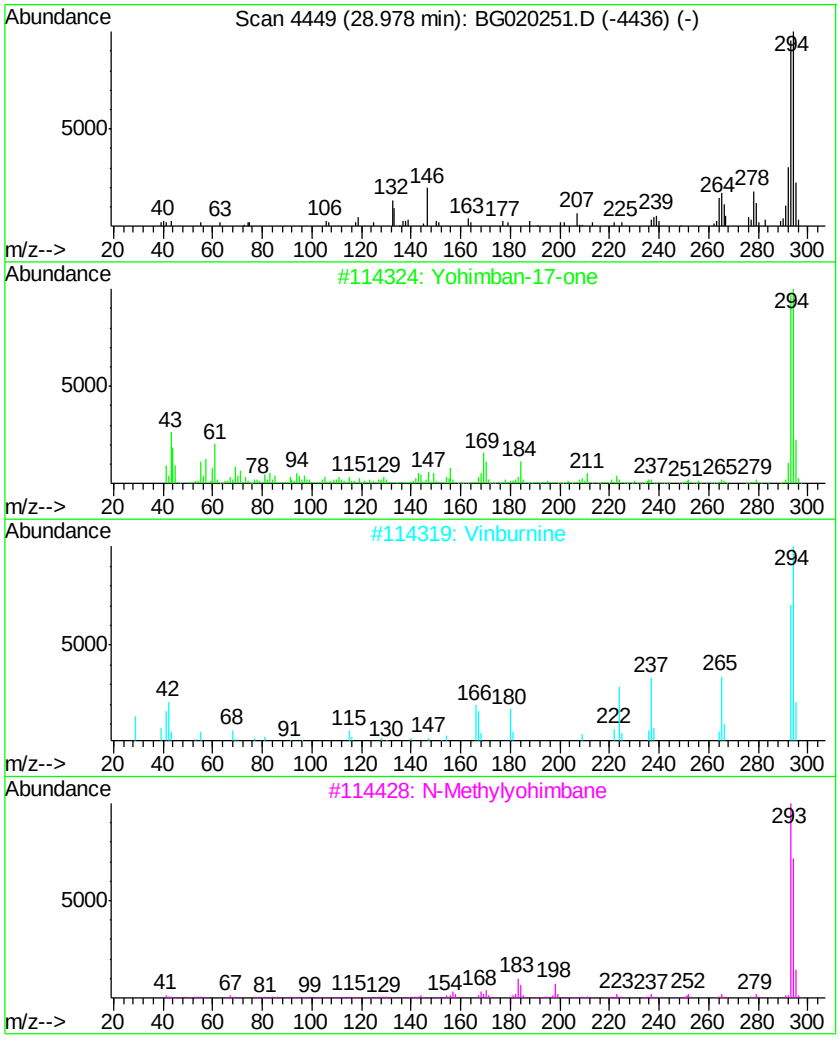
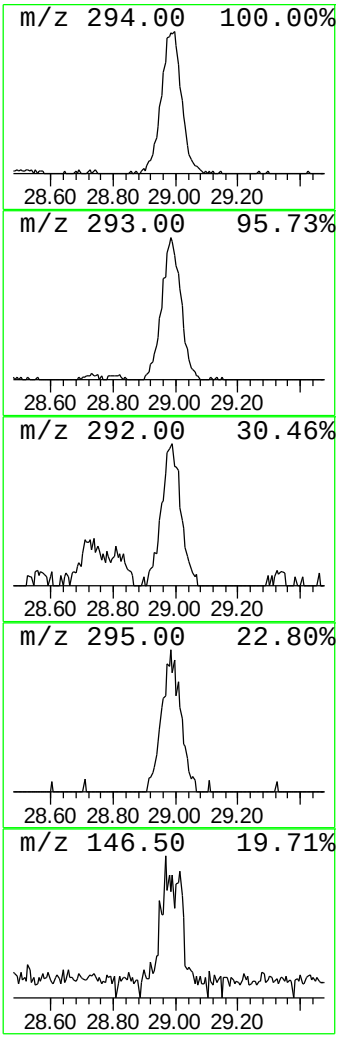
Peak Number 30 Yohimban-17-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.98	6.87 ng/ul	178594	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Yohimban-17-one	294	C19H22N2O	000523-14-8	64
2	Vinburnine	294	C19H22N2O	004880-88-0	59
3	N-Methylyohimbane	294	C20H26N2	1000128-76-0	50
4	Ortho-diphenylphosphinylphenol	294	C18H15O2P	016522-52-4	47
5	Vinburnine	294	C19H22N2O	004880-88-0	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020251.D
Acq On : 17 Dec 2015 18:33
Operator : UM/SJ
Sample : G4767-15DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37DL

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	8.64	20.0	ng/ul	440550	1	8.10	440550	20.0
Naphthalene, 1-et...	13.76	19.7	ng/ul	626857	3	14.73	637367	20.0
Naphthalene, 2,6-...	13.89	16.0	ng/ul	508468	3	14.73	637367	20.0
Naphthalene, 2,3-...	14.05	31.7	ng/ul	1009930	3	14.73	637367	20.0
1-Naphthalenecarb...	14.87	9.8	ng/ul	313112	3	14.73	637367	20.0
Thieno[2,3-b]thio...	15.04	11.4	ng/ul	363075	3	14.73	637367	20.0
Naphthalene, 2,3,...	15.20	6.9	ng/ul	218671	3	14.73	637367	20.0
Naphthalene, 1,6,...	15.34	6.4	ng/ul	204061	3	14.73	637367	20.0
Naphthalene, 1,4,...	15.39	6.4	ng/ul	203169	3	14.73	637367	20.0
Diphenylmethane	15.94	24.0	ng/ul	764947	3	14.73	637367	20.0
2,4,6-Cycloheptat...	16.07	28.4	ng/ul	906428	3	14.73	637367	20.0
4H-Cyclopenta[def...	18.56	3.7	ng/ul	3278660	4	17.49	17652000	20.0
Benzo[c]cinnoline...	19.77	3.2	ng/ul	500993	5	21.76	3092100	20.0
Benzo[b]naphtho[2...	20.06	2.9	ng/ul	454565	5	21.76	3092100	20.0
11H-Benzo[b]fluorene	20.20	3.2	ng/ul	496309	5	21.76	3092100	20.0
11H-Benzo[a]fluorene	20.38	8.4	ng/ul	1302030	5	21.76	3092100	20.0
Pyrene, 1-methyl-	20.54	3.1	ng/ul	484195	5	21.76	3092100	20.0
Benzo[b]naphtho[2...	21.33	3.0	ng/ul	471874	5	21.76	3092100	20.0
Cyclopenta(cd)pyr...	21.37	2.7	ng/ul	422719	5	21.76	3092100	20.0
Benz[c]acridine	21.42	2.9	ng/ul	453537	5	21.76	3092100	20.0
Benz[a]anthracene...	22.49	2.1	ng/ul	332135	5	21.76	3092100	20.0
Benz[e]acephenant...	24.24	5.5	ng/ul	143471	6	25.02	519966	20.0
Yohimban-17-one	28.98	6.9	ng/ul	178594	6	25.02	519966	20.0