LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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	7.586	803	808	819	rBB	9107	16303	1.83%	0.141%
2	8.062	882	889	897	rVB	54211	92075	10.31%	0.795%
3	9.231	1081	1088	1098	rBB	11093	20987	2.35%	0.181%
4	9.953	1205	1211	1217	rBV2	9821	17371	1.95%	0.150%
5	10.500	1299	1304	1312	rVV2	11847	20485	2.29%	0.177%
6	10.876	1361	1368	1373	rBV	88868	160150	17.93%	1.382%
7	10.923	1373	1376	1383	rVB	24504	40026	4.48%	0.345%
8	12.744	1680	1686	1696	rVB	69244	114174	12.79%	0.985%
9	13.731	1847	1854	1863	rVB3	7614	22025	2.47%	0.190%
10	13.855	1869	1875	1885	rBV2	51201	126832	14.20%	1.095%
11	14.013	1896	1902	1908	rVB	73021	122160	13.68%	1.054%
12	14.090	1908	1915	1921	rBV	40751	71576	8.02%	0.618%
13	14.148	1921	1925	1932	rVB4	14533	25316	2.84%	0.219%
14	14.248	1937	1942	1946	rBV	39258	61176	6.85%	0.528%
15	14.389	1960	1966	1969	rBV	52688	91502	10.25%	0.790%
16	14.695	2005	2018	2024	rBV2	176435	298986	33.48%	2.581%
17	14.760	2024	2029	2035	rVB	44234	71115	7.96%	0.614%
18	14.901	2046	2053	2062	rBV3	26844	69207	7.75%	0.597%
19	14.983	2062	2067	2075	rBV3	11064	24132	2.70%	0.208%
20	15.089	2077	2085	2091	rVB2	53837	99903	11.19%	0.862%
21	15.165	2092	2098	2104	rVB	60453	91245	10.22%	0.788%
22	15.300	2114	2121	2126	rBV4	51205	113606	12.72%	0.981%
23	15.359	2127	2131	2135	rVB	33081	41024	4.59%	0.354%
24	15.476	2142	2151	2154	rBV4	27025	58471	6.55%	0.505%
25	15.512	2154	2157	2161	rVB2	19643	26946	3.02%	0.233%
26	15.564	2161	2166	2170	rBV2	20524	31716	3.55%	0.274%
27	15.647	2177	2180	2182	rBV3	15395	17933	2.01%	0.155%
28	15.688	2182	2187	2191	rVB	79210	116838	13.08%	1.008%
29	15.741	2191	2196	2205	rVB2	41335	94764	10.61%	0.818%
30	15.946	2228	2231	2236	rVB3	17272	26149	2.93%	0.226%
31	16.029	2238	2245	2252	rVB4	15907	44022	4.93%	0.380%
32	16.146	2261	2265	2268	rBV2	19398	31347	3.51%	0.271%
33	16.181	2268	2271	2278	rVB3	19431	29976	3.36%	0.259%
34	16.405	2301	2309	2315	rBV3	38041	73768	8.26%	0.637%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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	16.546	2329	2333	2337	rBV3	14424	24152	2.70%	0.208%
36	16.740	2359	2366	2371	rVV2	47437	108270	12.12%	0.934%
37	16.792	2371	2375	2380	rVB2	45638	69310	7.76%	0.598%
38	16.886	2387	2391	2397	rVB	38160	62899	7.04%	0.543%
39	16.969	2397	2405	2406	rBV4	14552	31609	3.54%	0.273%
40	17.098	2423	2427	2431	rVB3	16916	24779	2.77%	0.214%
41	17.262	2450	2455	2460	rVB	25206	39010	4.37%	0.337%
42	17.439	2480	2485	2489	rBV	222734	355901	39.86%	3.072%
43	17.480	2489	2492	2498	rVV	217214	318399	35.66%	2.748%
44	17.539	2498	2502	2505	rVV	73998	110984	12.43%	0.958%
45	17.574	2505	2508	2512	rVV	69303	92862	10.40%	0.801%
46	17.627	2512	2517	2522	rVB4	26154	54697	6.13%	0.472%
47	17.674	2522	2525	2528	rBV2	13093	17224	1.93%	0.149%
48	17.850	2550	2555	2556	rBV4	13351	19414	2.17%	0.168%
49	17.956	2569	2573	2577	rBV	18443	23977	2.69%	0.207%
50	18.020	2580	2584	2590	rVB	52732	76520	8.57%	0.660%
51	18.161	2603	2608	2615	rVB2	26675	49627	5.56%	0.428%
52	18.314	2629	2634	2638	rBV	154572	225737	25.28%	1.948%
53	18.361	2638	2642	2648	rVB	188224	278927	31.24%	2.407%
54	18.443	2651	2656	2661	rBV	71002	103437	11.58%	0.893%
55	18.508	2661	2667	2671	rVV2	212899	455887	51.05%	3.935%
56	18.543	2671	2673	2680	rVB	138746	179956	20.15%	1.553%
57	18.708	2697	2701	2706	rVB	22846	29620	3.32%	0.256%
58	18.808	2713	2718	2722	rBV2	64174	93472	10.47%	0.807%
59	18.931	2735	2739	2744	rBV	15422	26535	2.97%	0.229%
60	19.049	2751	2759	2764	rBV4	41233	89521	10.03%	0.773%
61	19.102	2764	2768	2772	rBV	44820	54246	6.07%	0.468%
62	19.143	2772	2775	2779	rVB	33823	43683	4.89%	0.377%
63	19.225	2783	2789	2794	rBV	162491	277761	31.11%	2.397%
64	19.284	2794	2799	2802	rBV2	57284	114554	12.83%	0.989%
65	19.378	2808	2815	2827	rVB6	49538	176273	19.74%	1.521%
66	19.489	2828	2834	2840	rBV	298273	424048	47.49%	3.660%
67	19.548	2840	2844	2847	rBV	29466	37203	4.17%	0.321%
68	19.583	2847	2850	2854	rVB2	32236	45100	5.05%	0.389%
69	19.642	2855	2860	2864	rBV	83555	123518	13.83%	1.066%
70	19.854	2885	2896	2903	rBV2	499420	892958	100.00%	7.707%
71	19.918	2903	2907	2913	rVB	42478	64334	7.20%	0.555%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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	19.971	2913	2916	2918	rBV4	12327	16634	1.86%	0.144%
73	20.077	2931	2934	2941	rVB4	27603	40612	4.55%	0.351%
74	20.171	2944	2950	2958	rVB	68037	164115	18.38%	1.416%
75	20.335	2968	2978	2986	rVB	125948	329872	36.94%	2.847%
76	20.406	2987	2990	2992	rBV2	14904	20047	2.25%	0.173%
77	20.441	2992	2996	3000	rVV	86386	114669	12.84%	0.990%
78	20.500	3001	3006	3010	rVB	102698	132033	14.79%	1.140%
79	20.641	3025	3030	3033	rBV	103513	138728	15.54%	1.197%
80	20.688	3033	3038	3048	rVB	102206	175194	19.62%	1.512%
81	21.258	3131	3135	3137	rBV4	16664	26699	2.99%	0.230%
82	21.293	3138	3141	3144	rVV2	34246	48890	5.48%	0.422%
83	21.328	3144	3147	3152	rVB	43283	65259	7.31%	0.563%
84	21.381	3153	3156	3160	rBV2	15986	23000	2.58%	0.199%
85	21.710	3203	3212	3217	rBV2	341080	823804	92.26%	7.110%
86	21.757	3217	3220	3233	rVB	151744	277758	31.11%	2.397%
87	21.857	3234	3237	3242	rVB3	12939	18469	2.07%	0.159%
88	21.910	3244	3246	3252	rVV5	13194	22157	2.48%	0.191%
89	21.980	3253	3258	3273	rVB	62617	123726	13.86%	1.068%
90	22.445	3334	3337	3345	rVB	57063	102280	11.45%	0.883%
91	22.615	3361	3366	3370	rBV4	16149	32268	3.61%	0.279%
92	22.662	3370	3374	3379	rBV3	12786	23831	2.67%	0.206%
93	22.721	3381	3384	3388	rBV4	17479	29286	3.28%	0.253%
94	23.931	3582	3590	3598	rBV2	50920	174683	19.56%	1.508%
95	24.190	3629	3634	3643	rVB	15811	40716	4.56%	0.351%
96	24.660	3705	3714	3721	rBV	52005	145968	16.35%	1.260%
97	24.742	3723	3728	3733	rVV	58350	141683	15.87%	1.223%
98	24.807	3733	3739	3752	rVB	89873	254288	28.48%	2.195%
99	24.965	3757	3766	3775	rBV2	146760	397897	44.56%	3.434%
100	28.679	4390	4398	4417	rVB4	22176	101926	11.41%	0.880%

Sum of corrected areas: 11586202

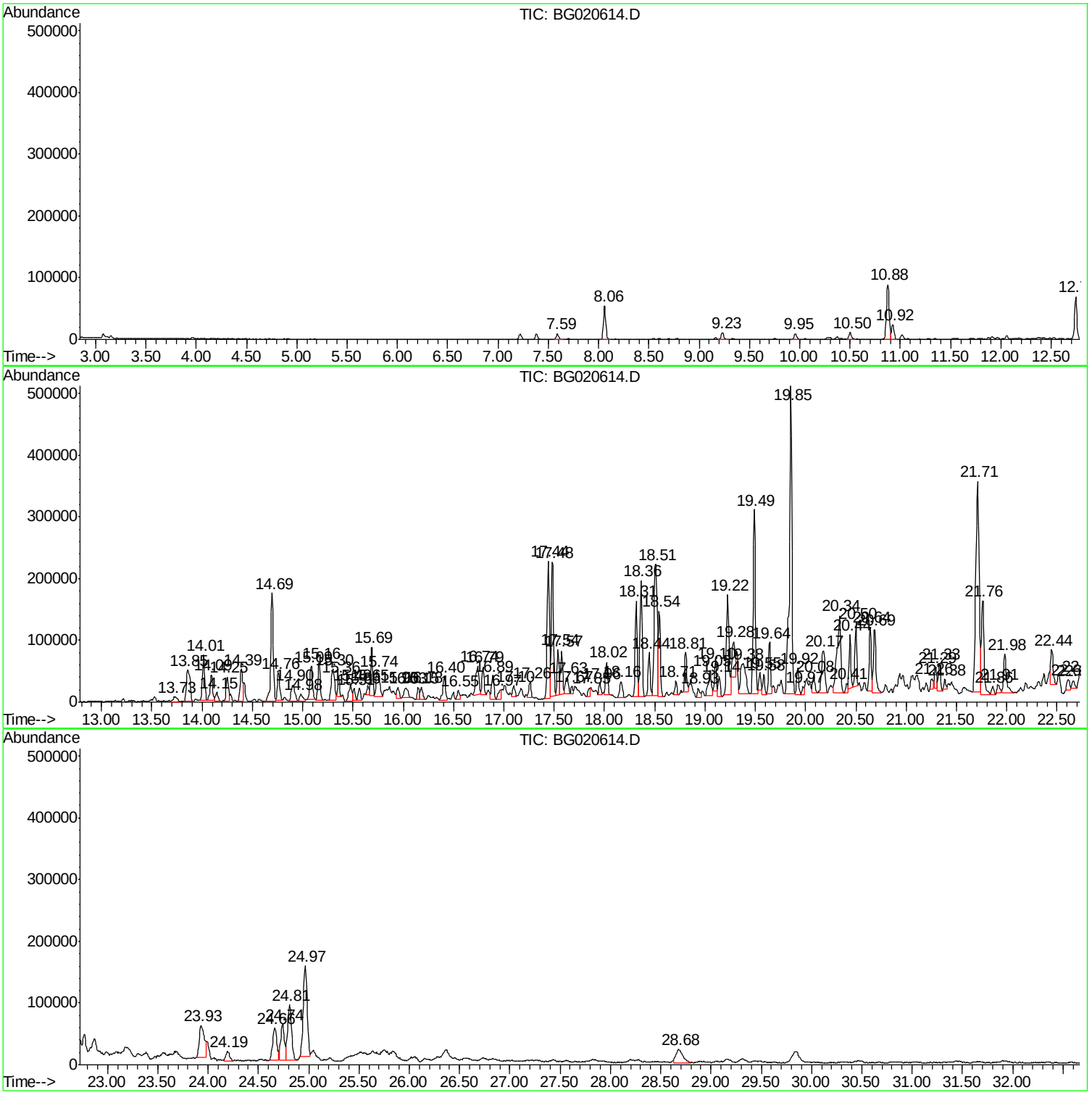
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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

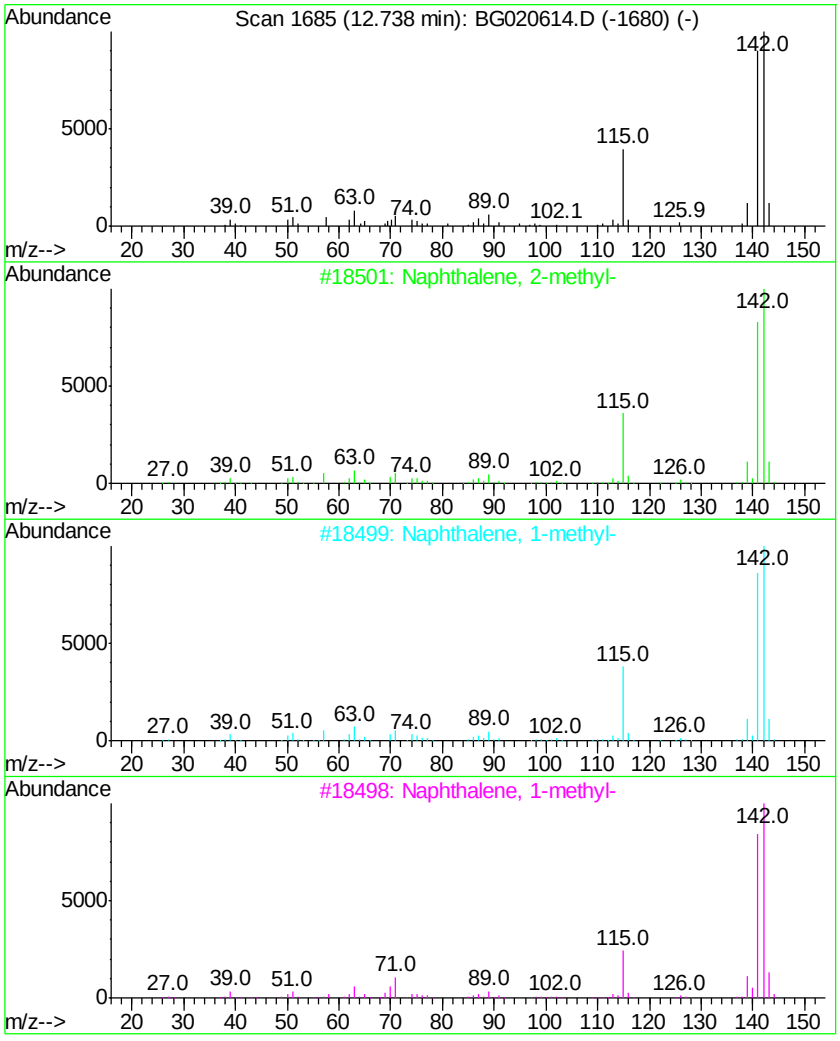
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

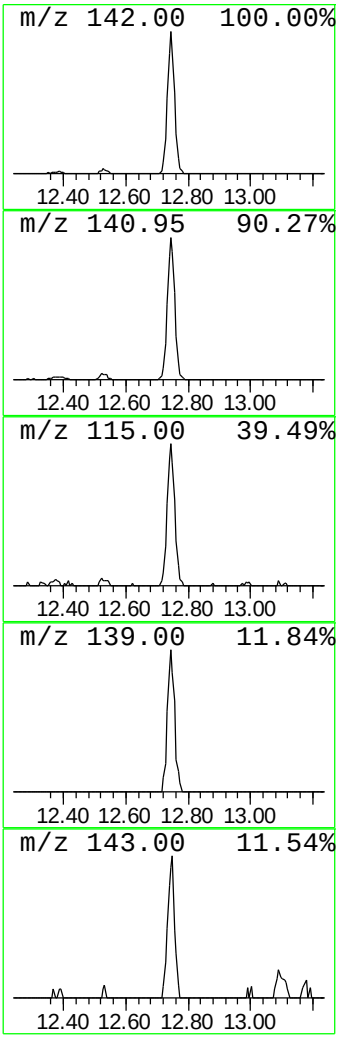
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	14.26 ng/ul	114174	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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

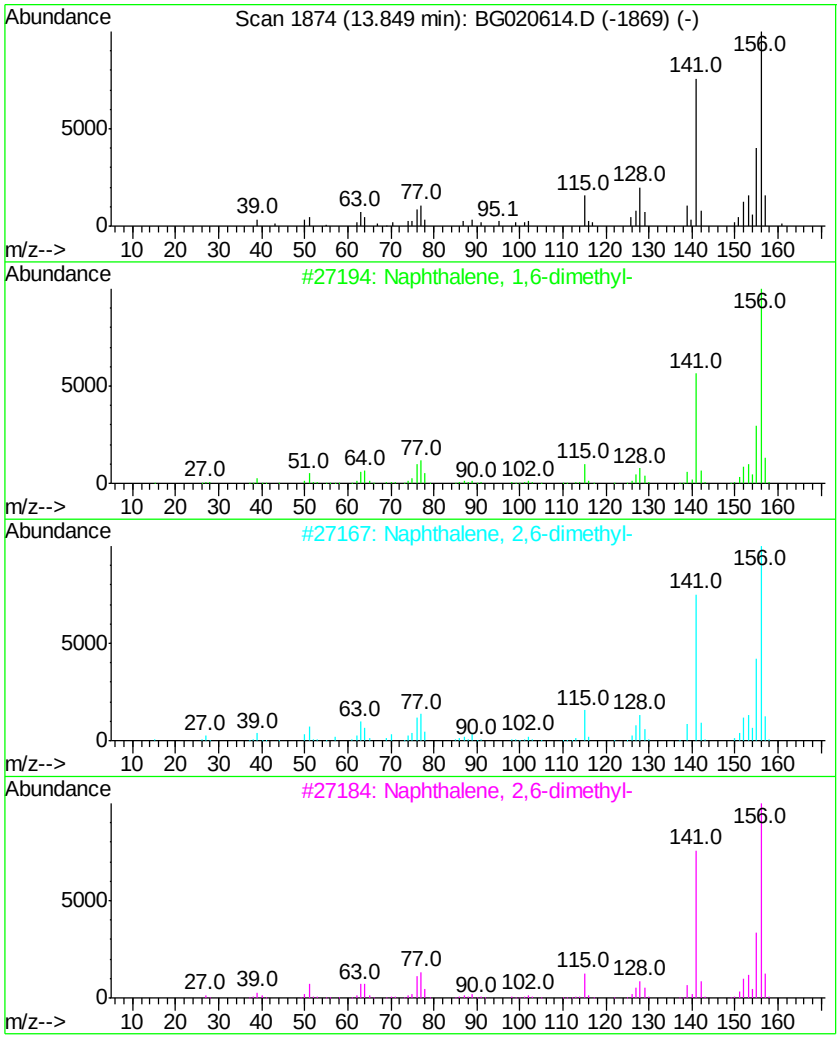
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

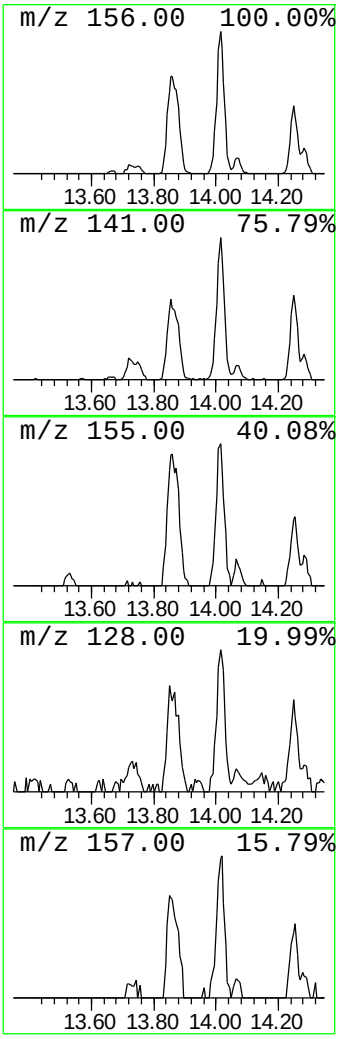
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	8.48 ng/ul	126832	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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

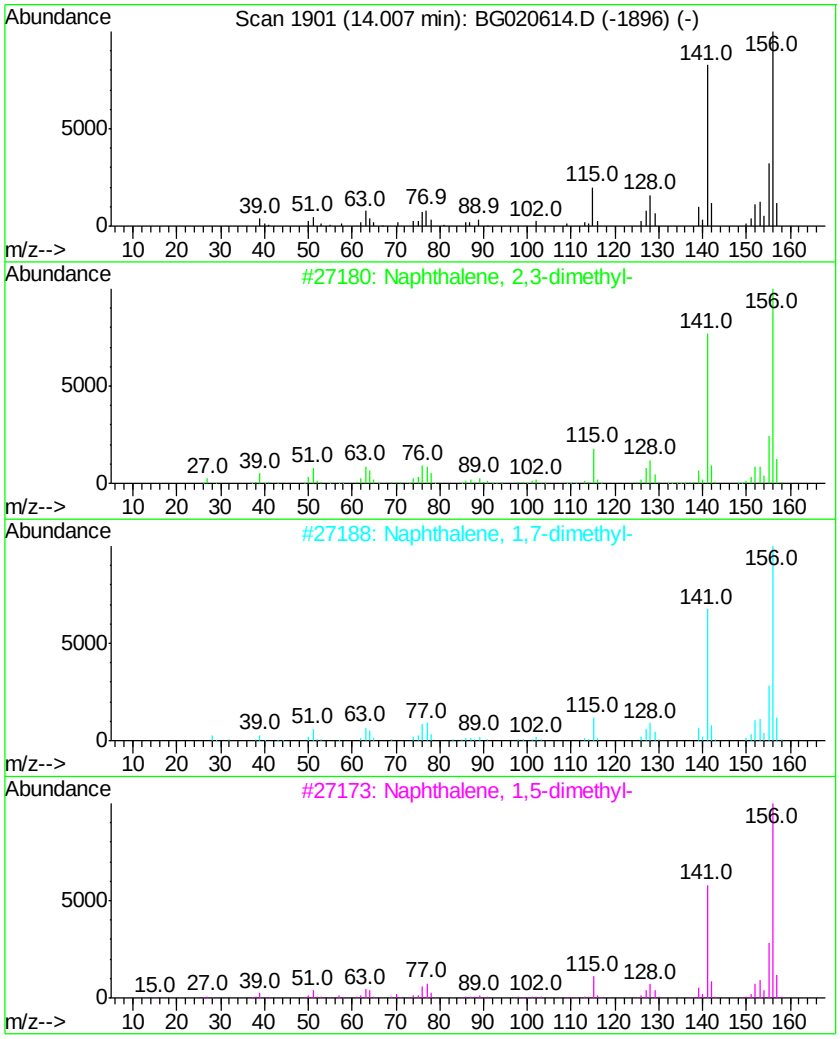
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

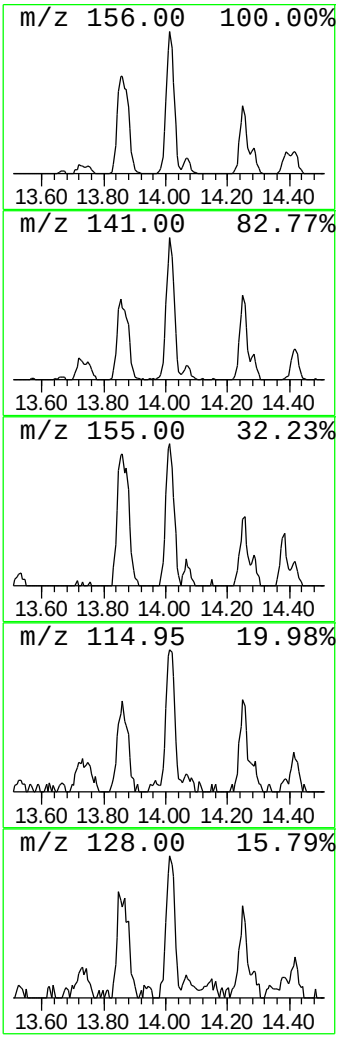
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	8.17 ng/ul	122160	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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

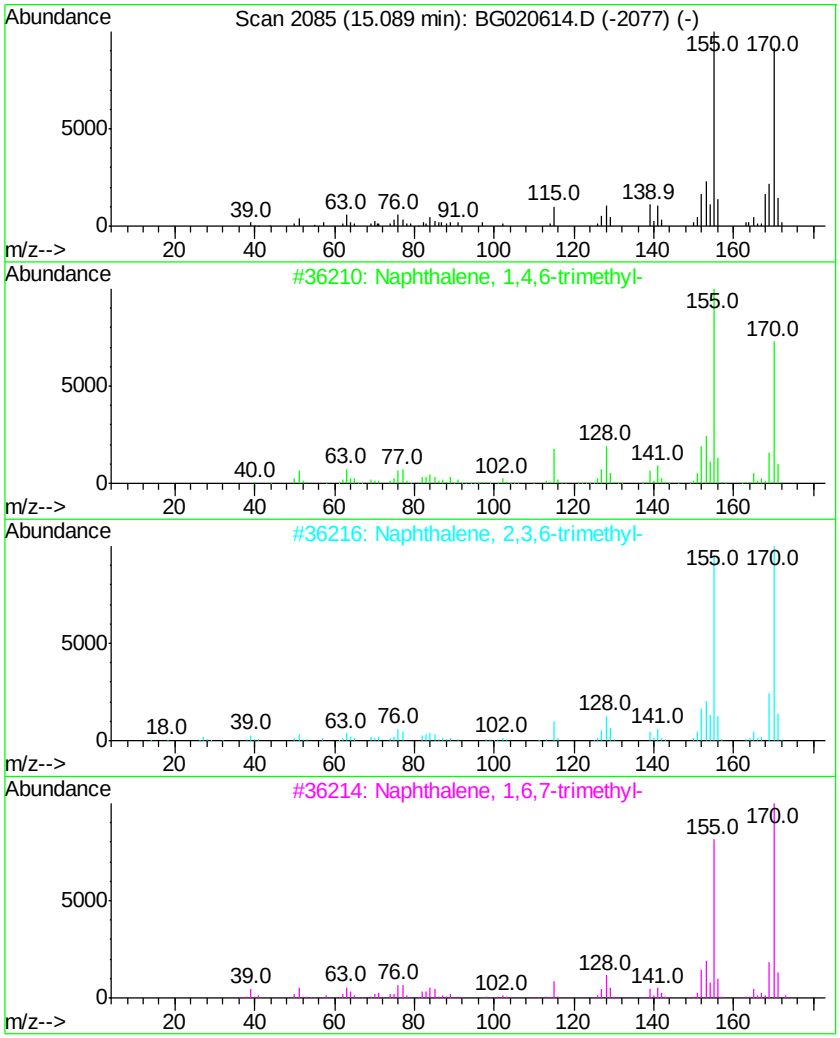
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

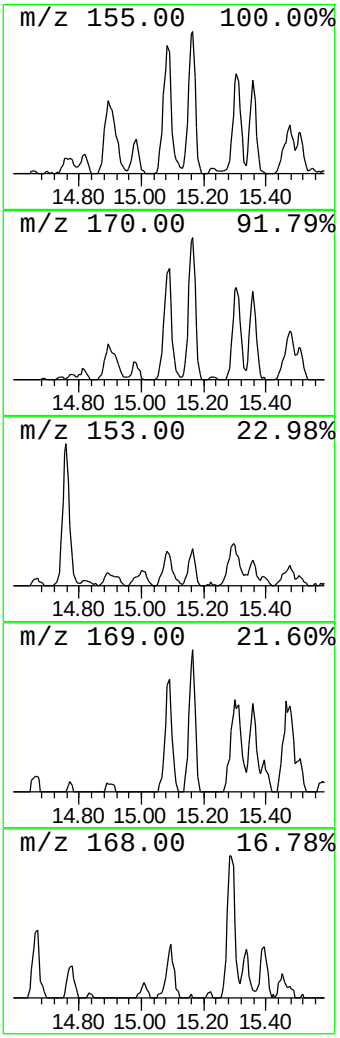
****

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	6.68 ng/ul	99903	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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

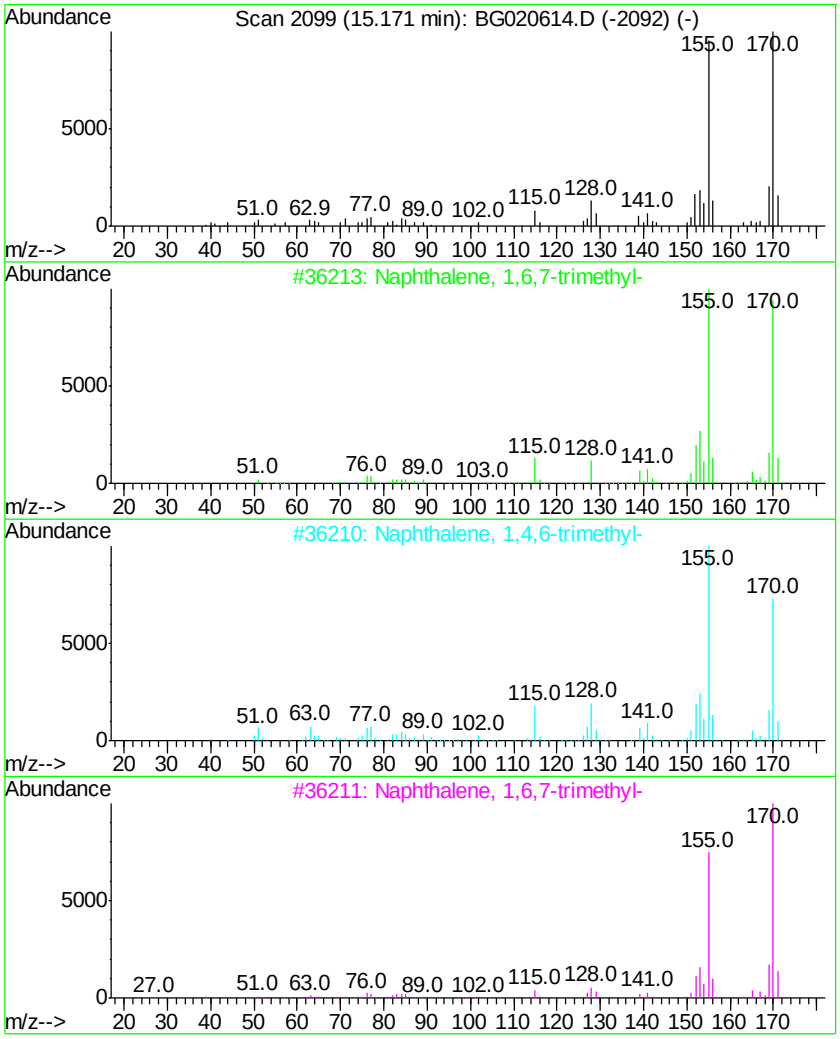
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

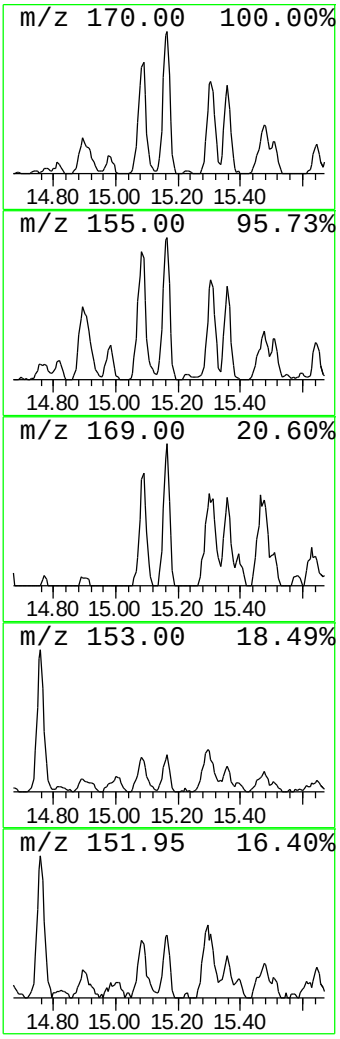
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.10 ng/ul	91245	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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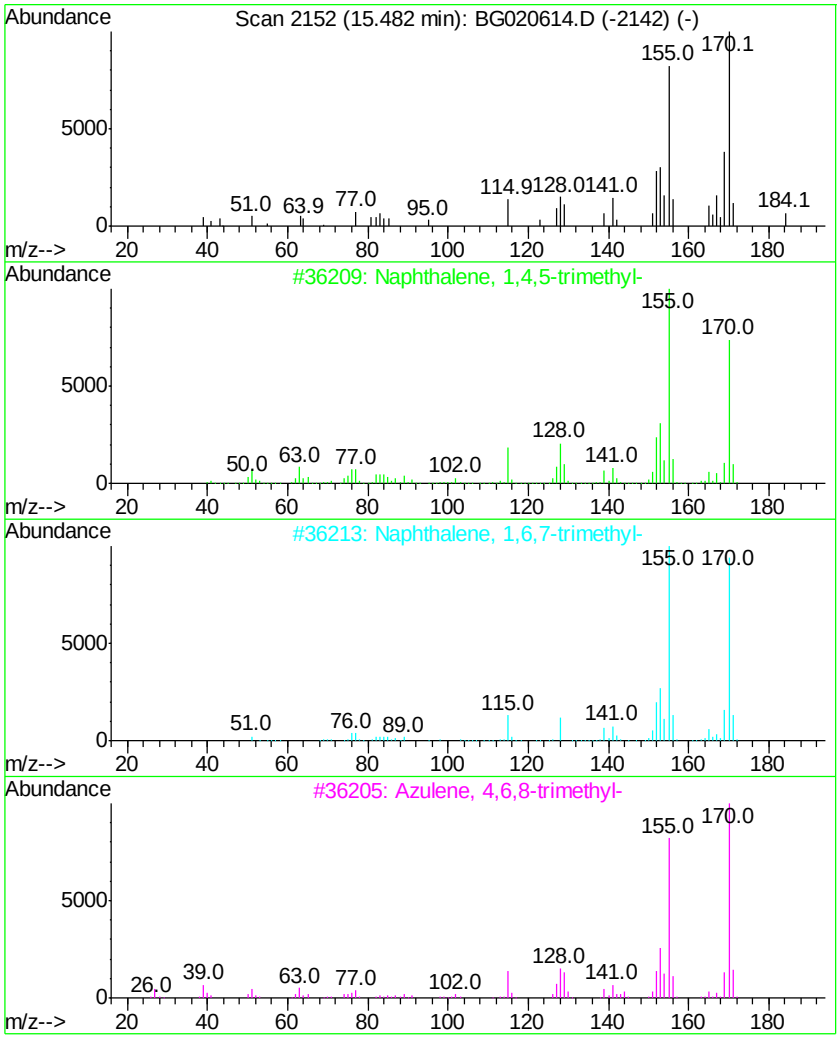
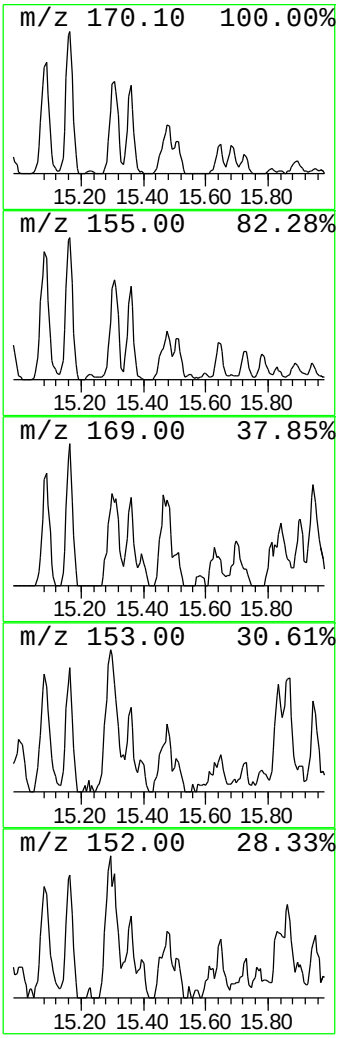
Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	3.91 ng/ul	58471	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	89
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	89
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89





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Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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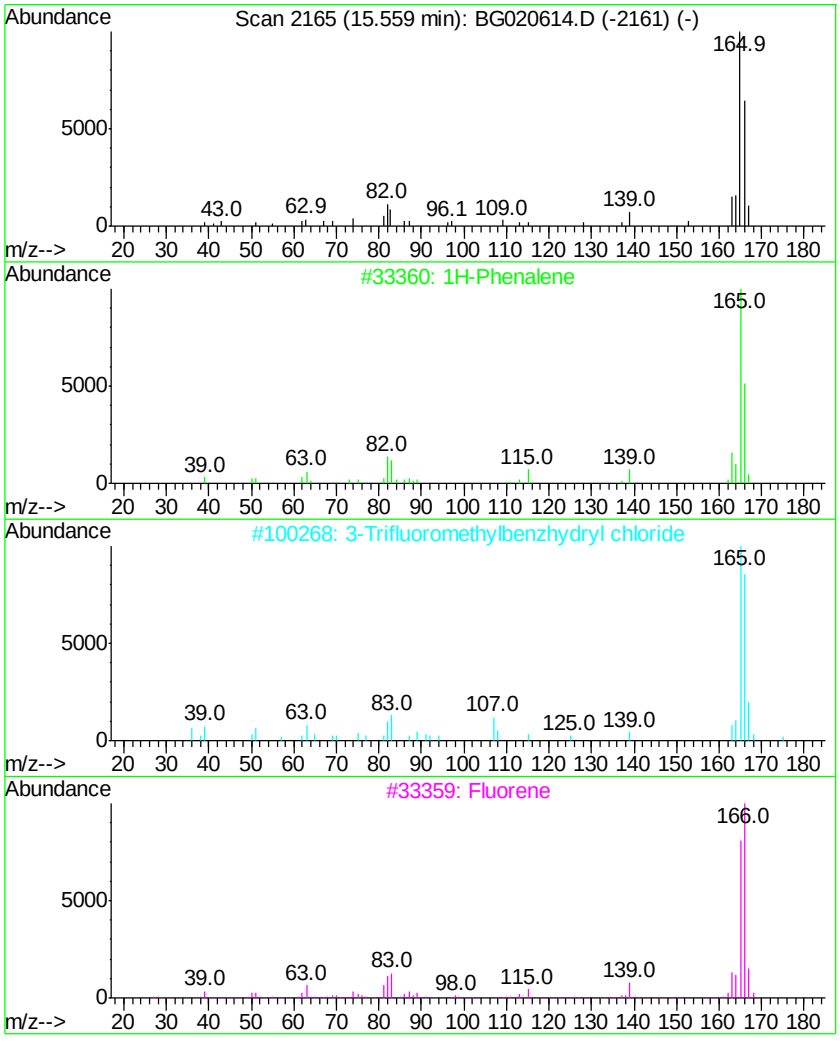
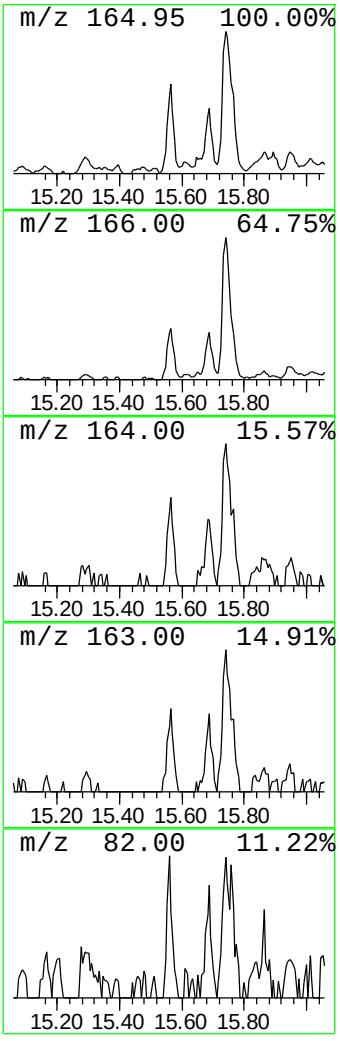
Peak Number 10 1H-Phenalene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	2.12 ng/ul	31716	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	72
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	40
3	Fluorene	166	C13H10	000086-73-7	38
4	s-Triazolo[4,3-a]pyridine-3-thio...	165	C7H7N3S	004926-22-1	38
5	Benzaldehyde, 2-hydroxy-4-methox...	166	C9H10O3	034883-08-4	38





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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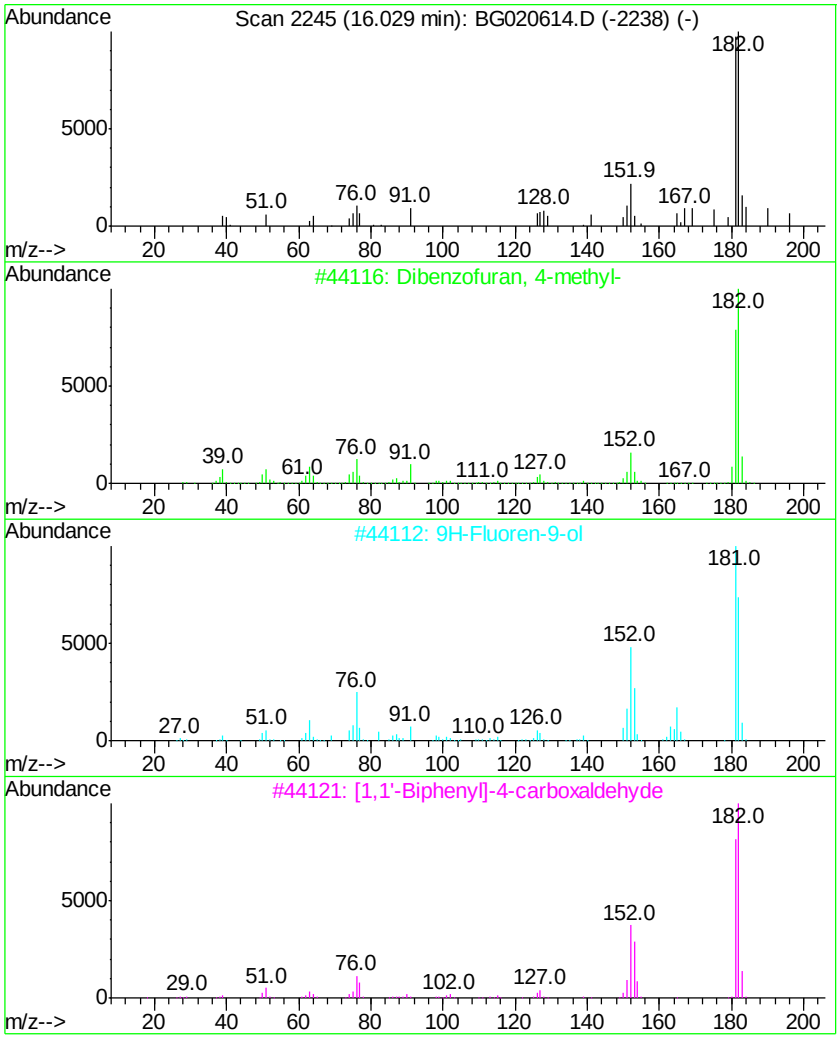
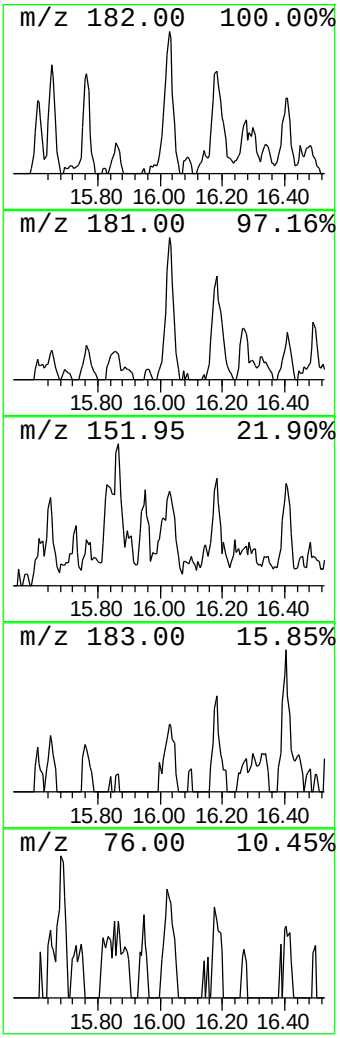
Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.94 ng/ul	44022	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	59





Library Search Compound Report

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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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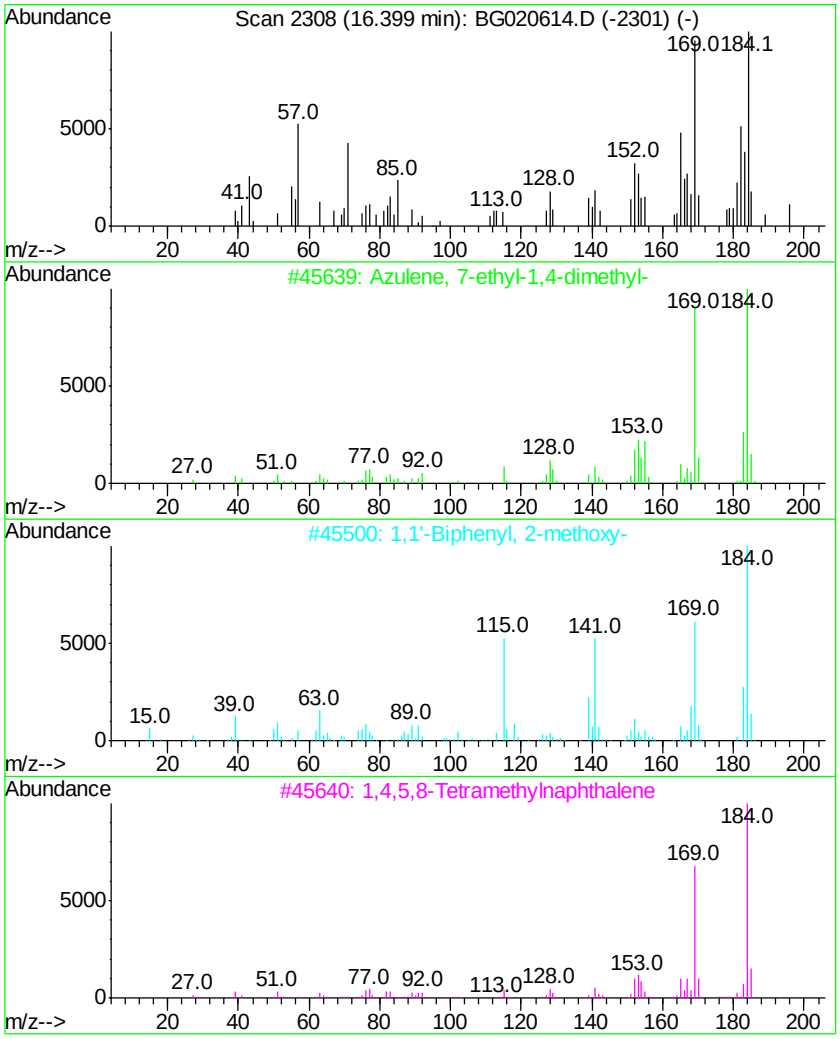
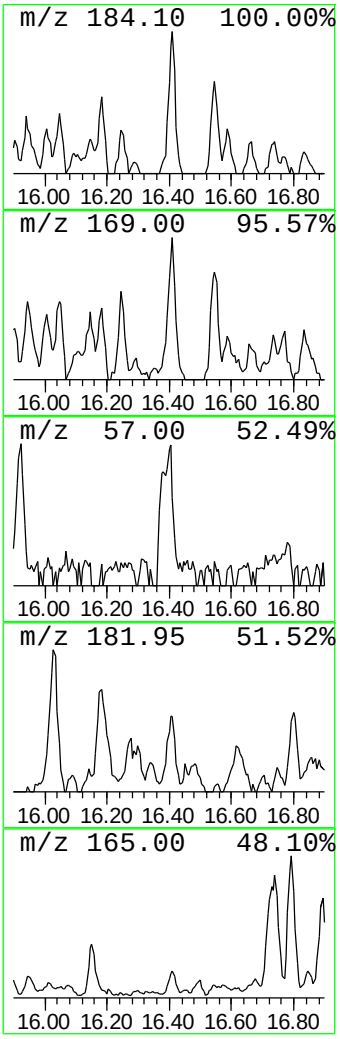
Peak Number 12 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	4.15 ng/ul	73768	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	60
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	58
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	49
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	46
5	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	43





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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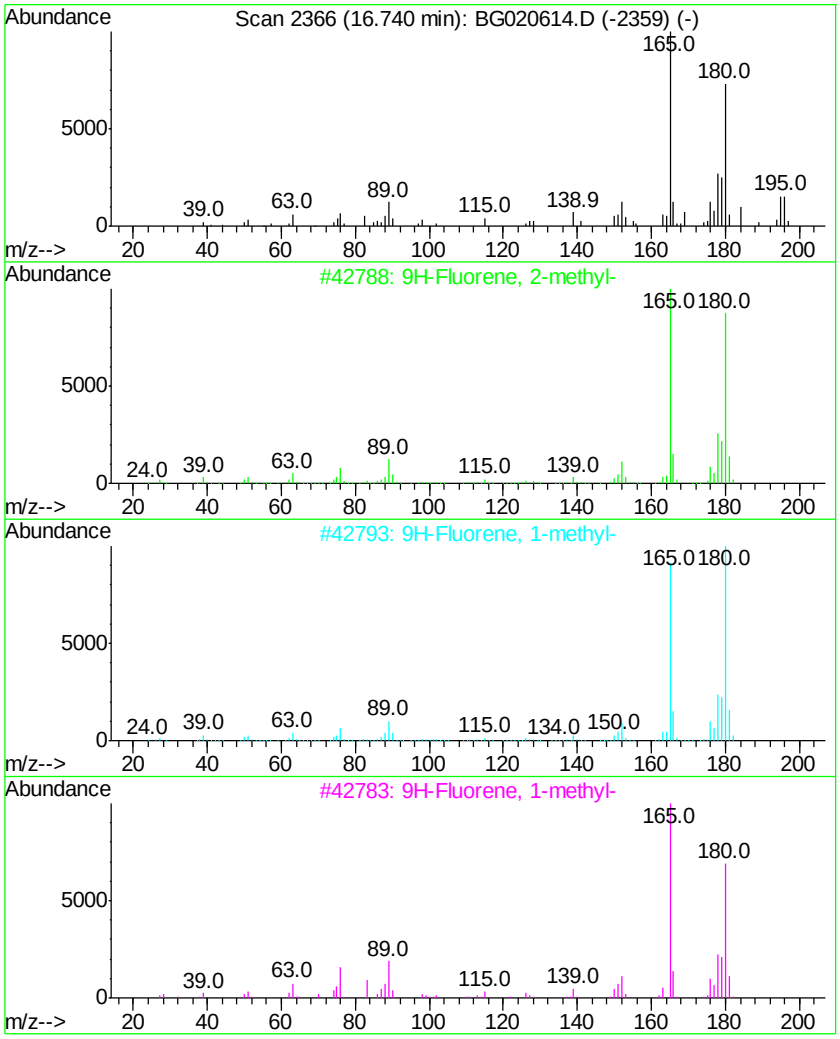
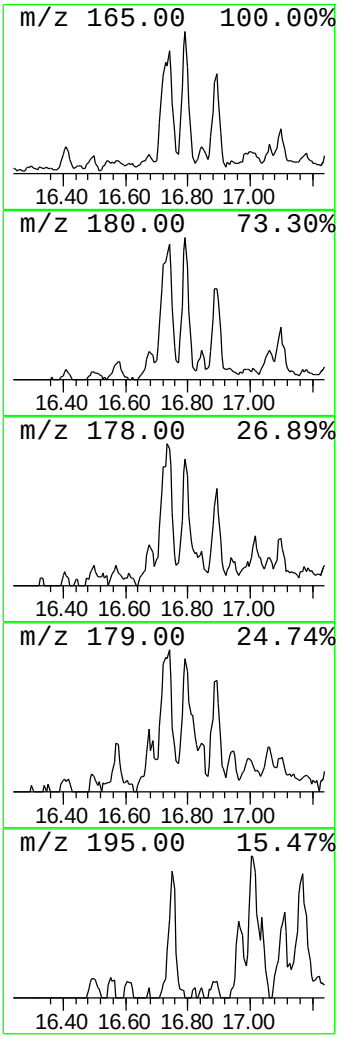
Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.08 ng/ul	108270	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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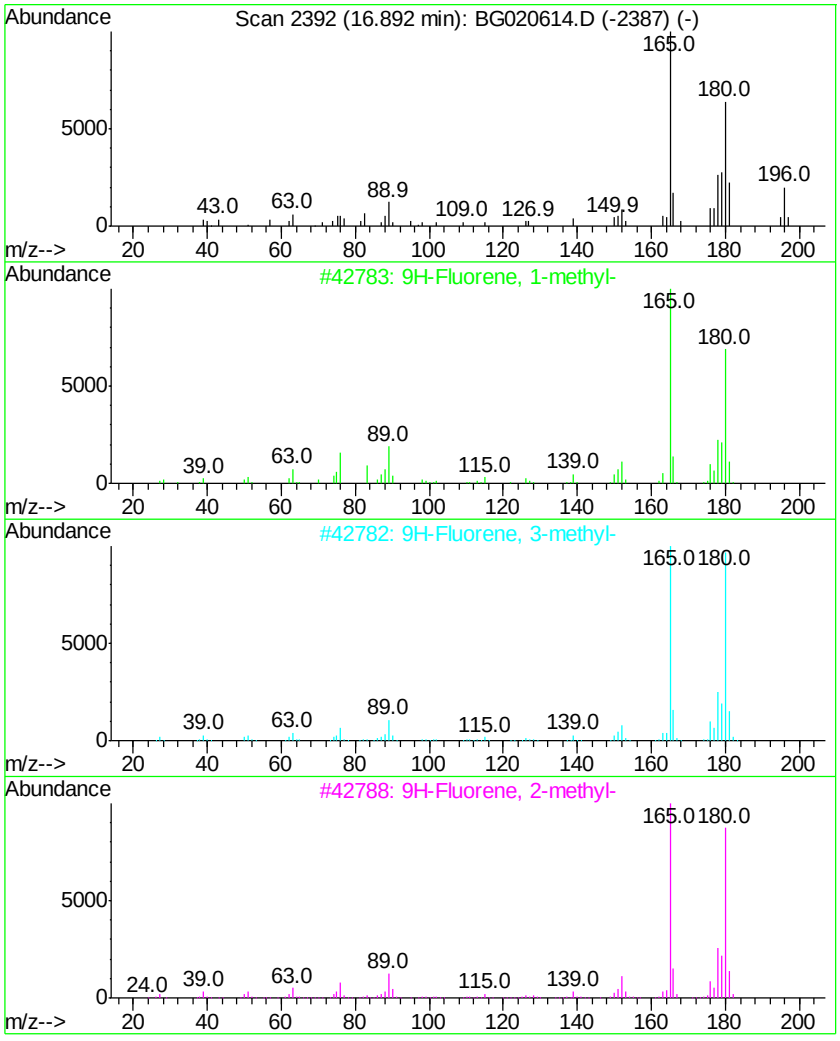
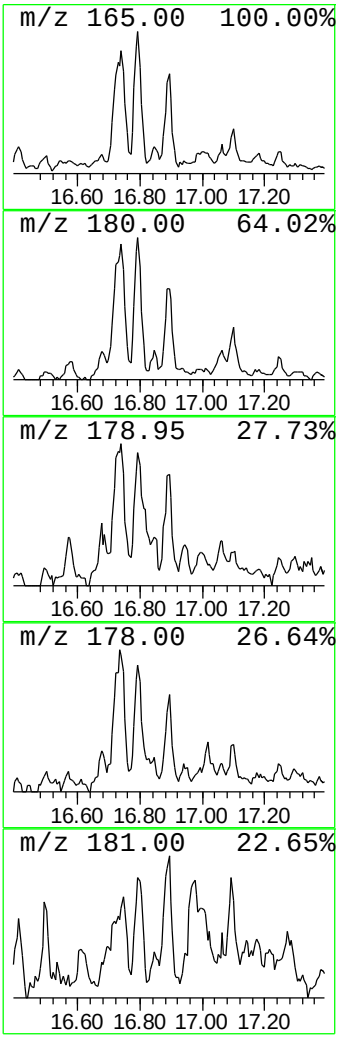
Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.53 ng/ul	62899	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	62
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	60





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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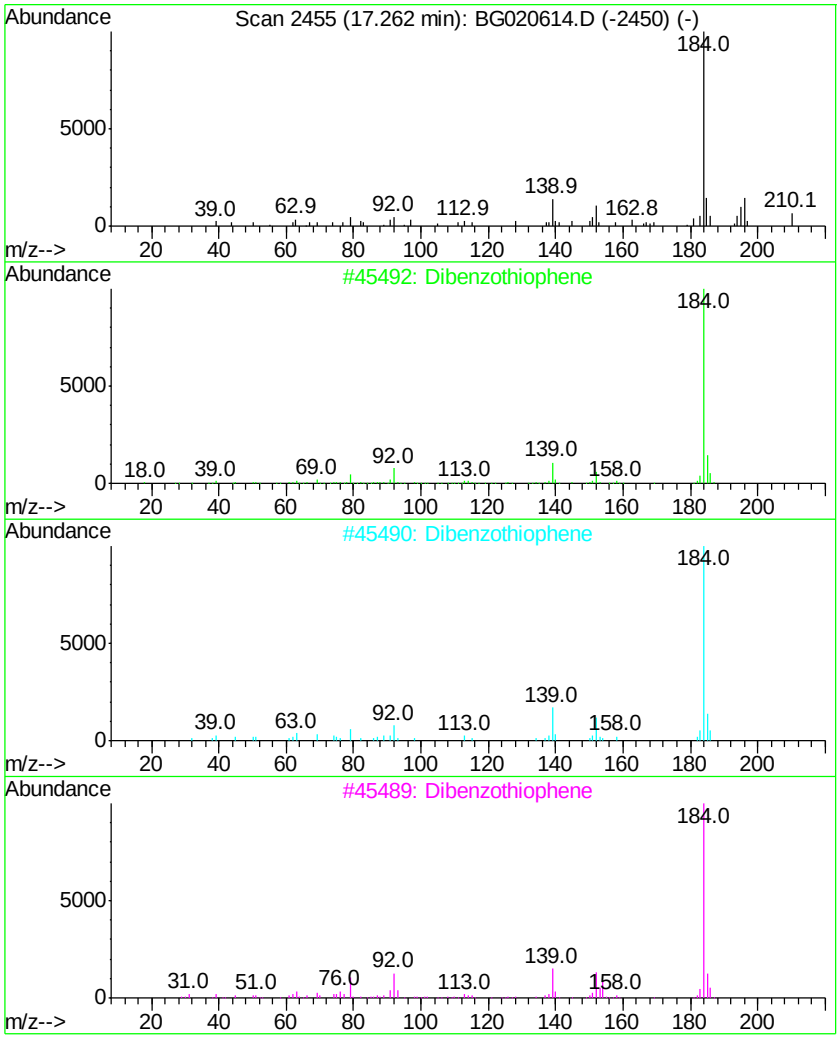
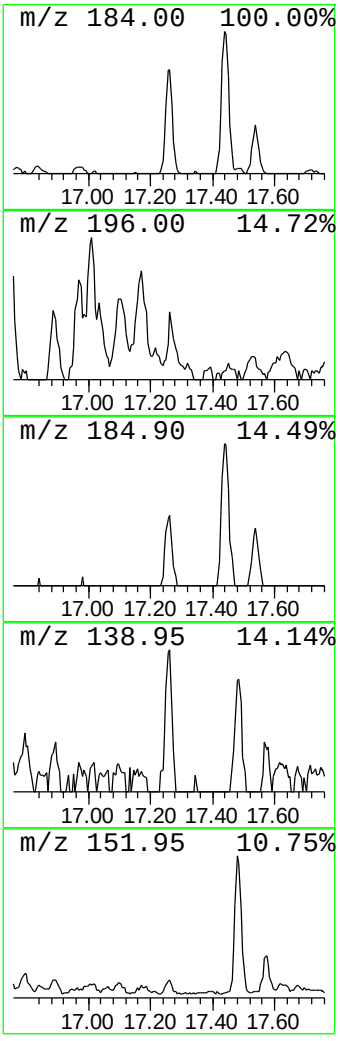
Peak Number 16 Dibenzothiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.19 ng/ul	39010	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	81
2	Dibenzothiophene	184	C12H8S	000132-65-0	81
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Dibenzothiophene	184	C12H8S	000132-65-0	81
5	Dibenzothiophene	184	C12H8S	000132-65-0	76





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Acq On : 30 Dec 2015 18:32
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Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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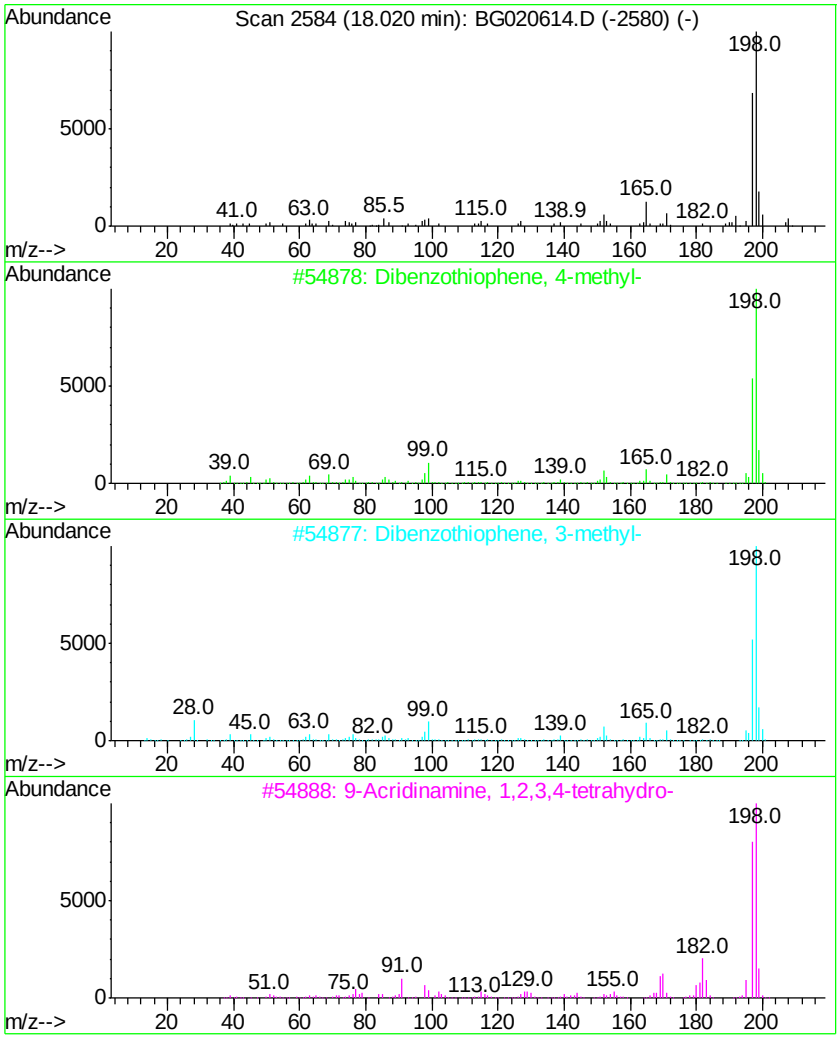
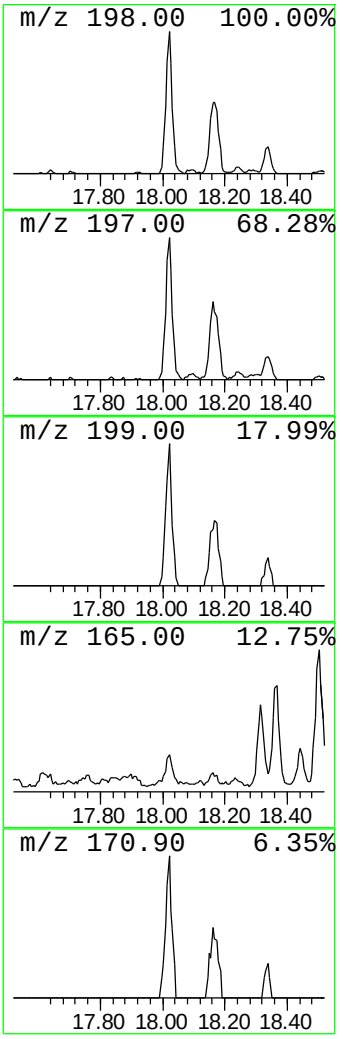
Peak Number 18 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	4.30 ng/ul	76520	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5	9H-Pyrido[3,4-b]indole, 8-hydrox...	198	C12H10N2O	1000248-36-3	53





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Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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Quant Title : SVOA CALIBRATION

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

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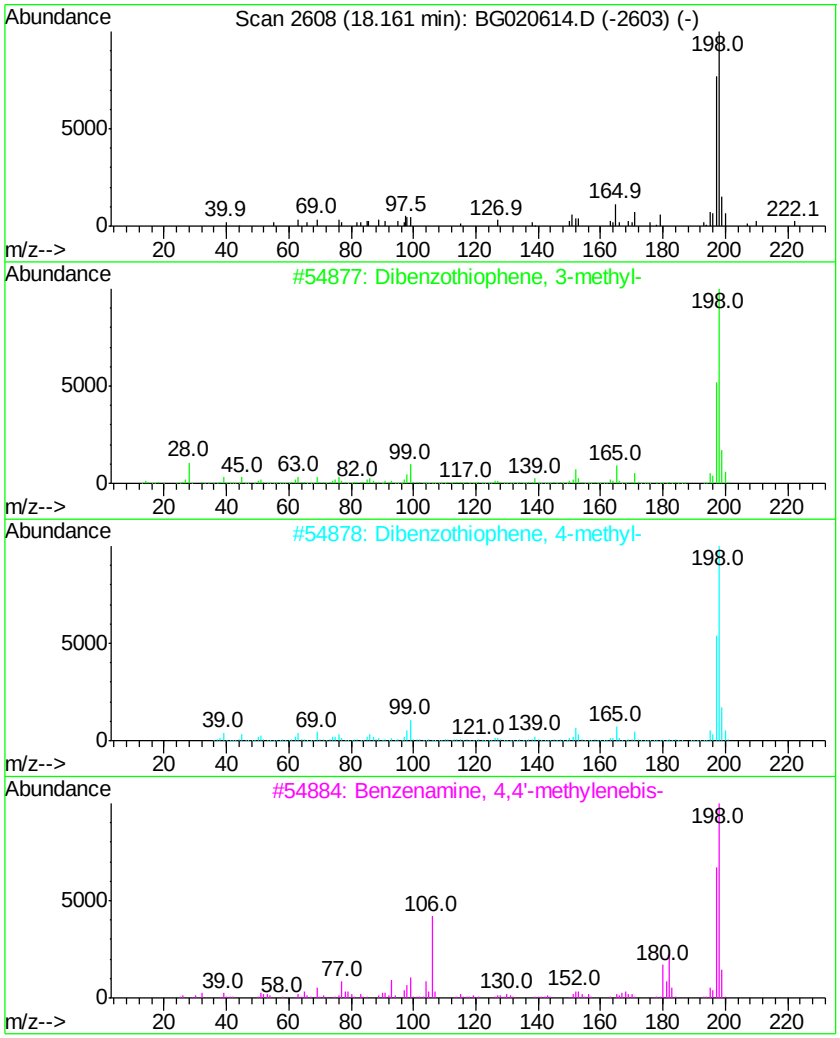
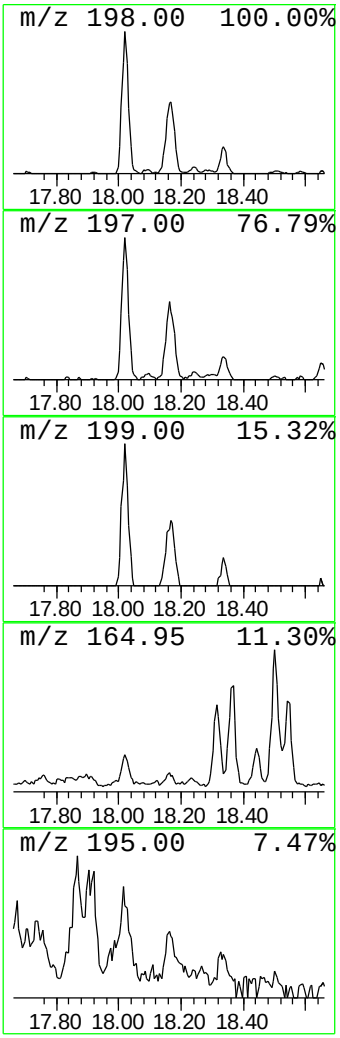
Peak Number 19 Dibenzothiophene, 3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.79 ng/ul	49627	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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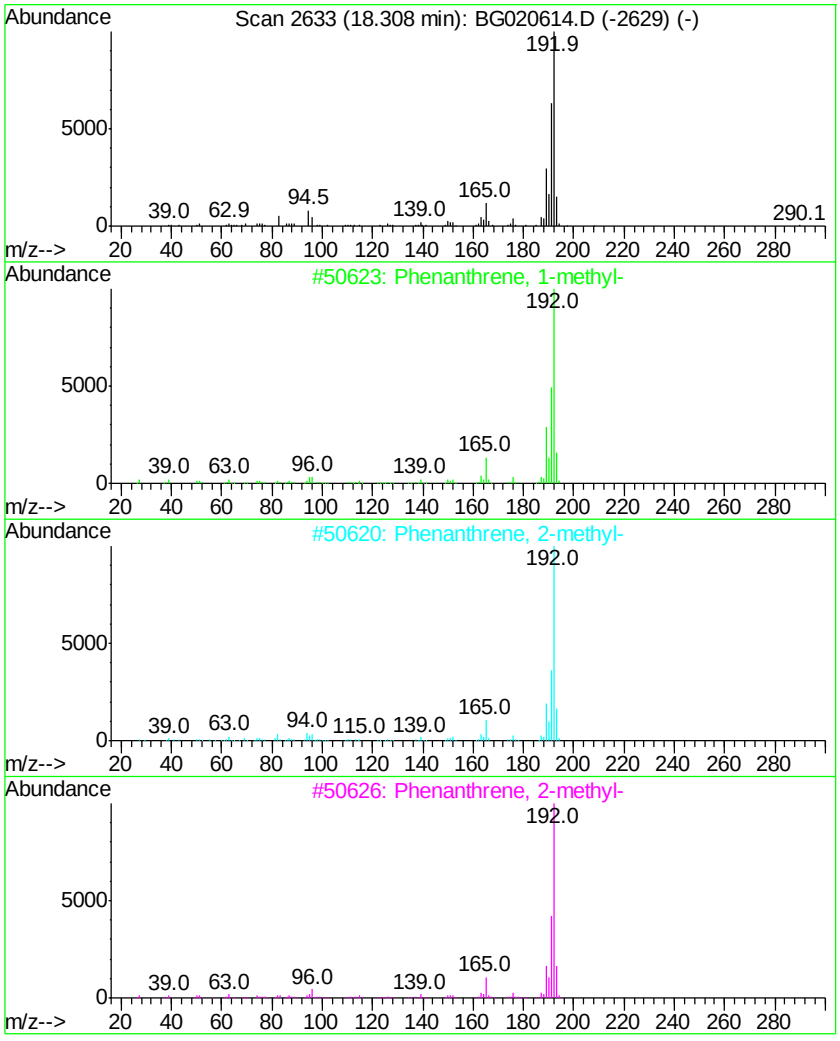
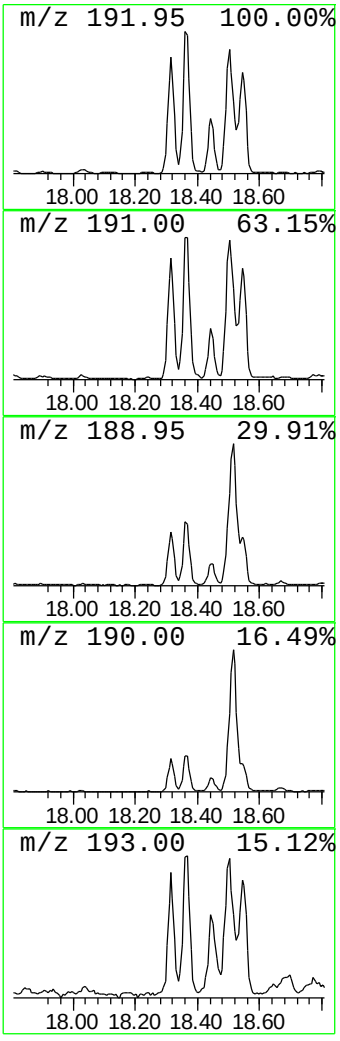
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	12.69 ng/ul	225737	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : G4802-20DL 5X
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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Quant Title : SVOA CALIBRATION

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

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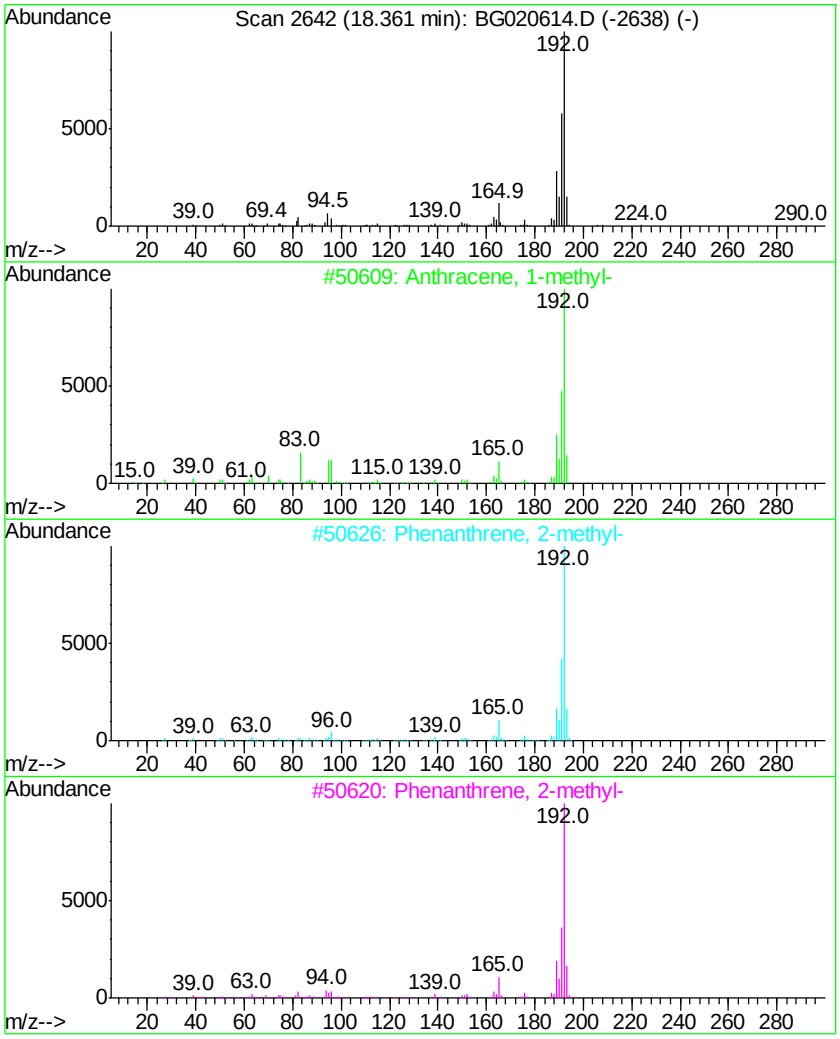
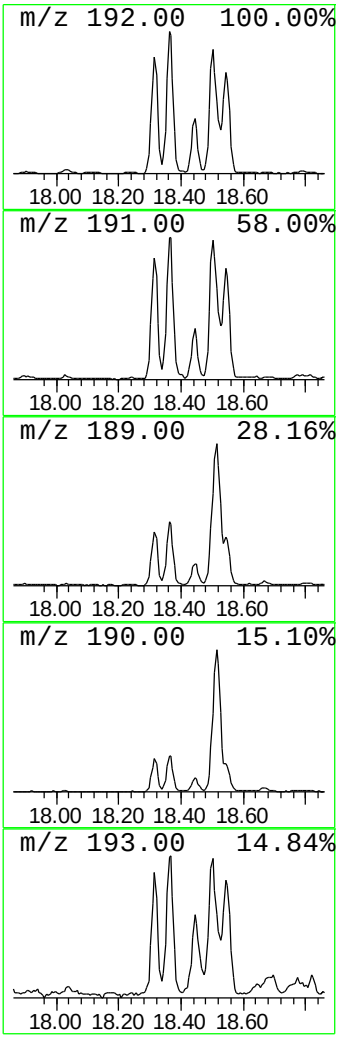
Peak Number 21 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	15.67 ng/ul	278927	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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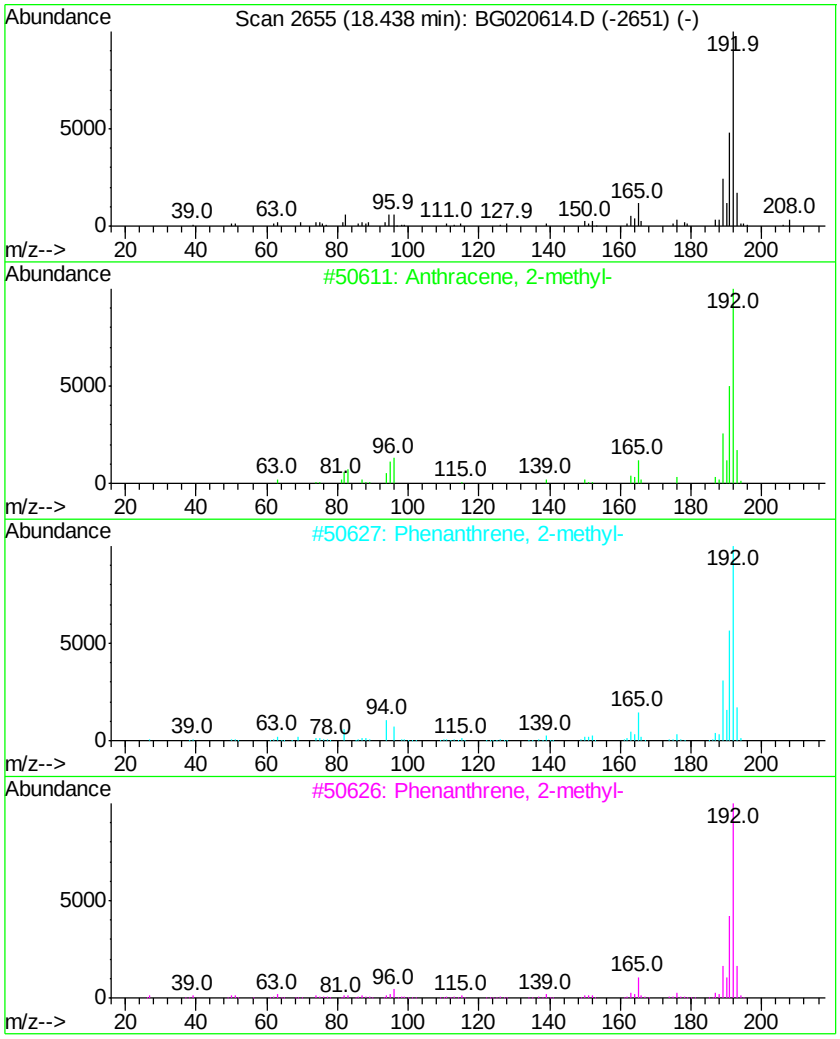
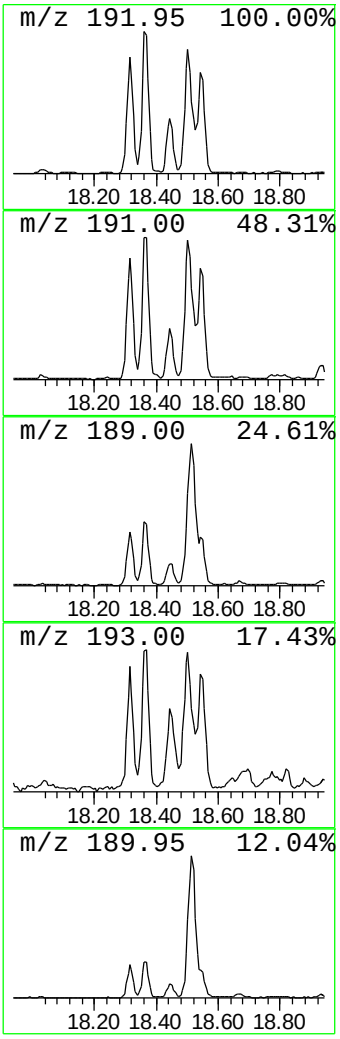
Peak Number 22 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	5.81 ng/ul	103437	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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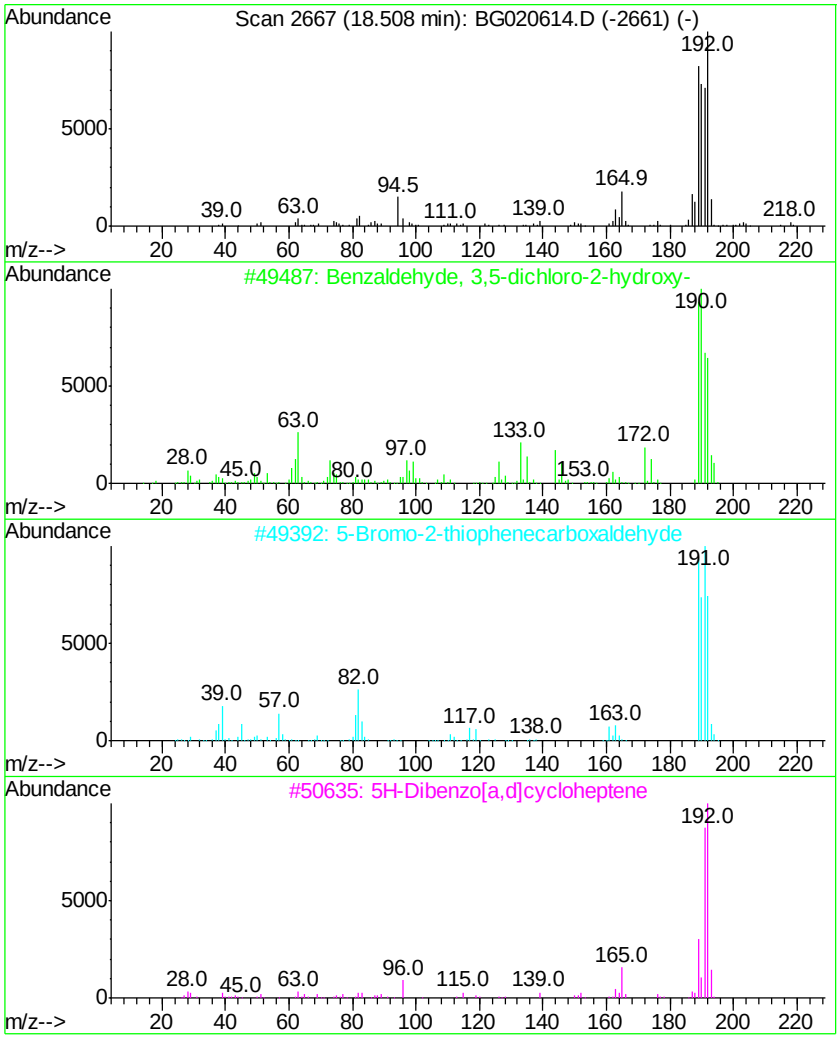
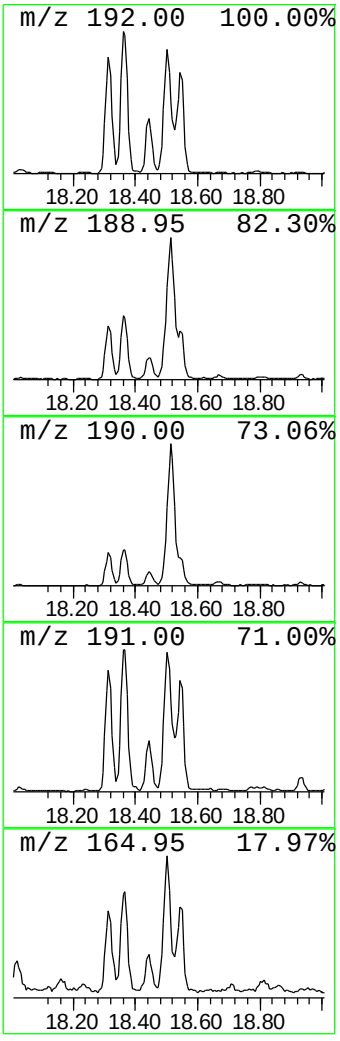
Peak Number 23 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	25.62 ng/ul	455887	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50





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Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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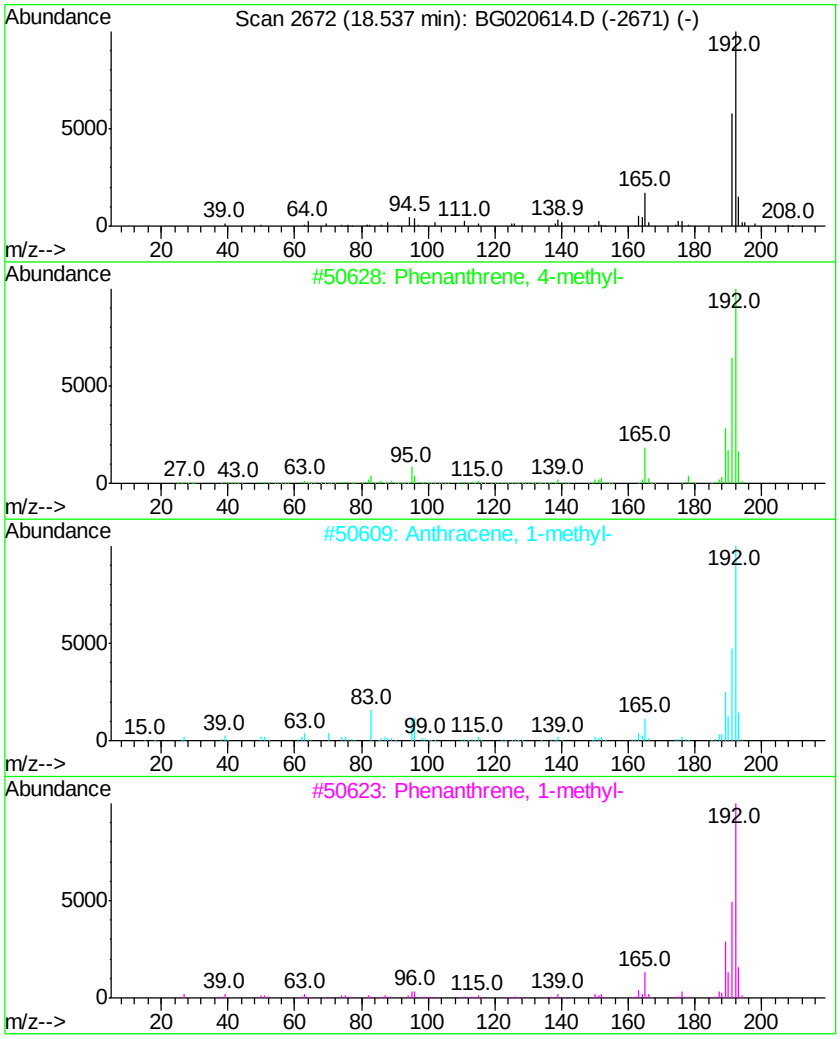
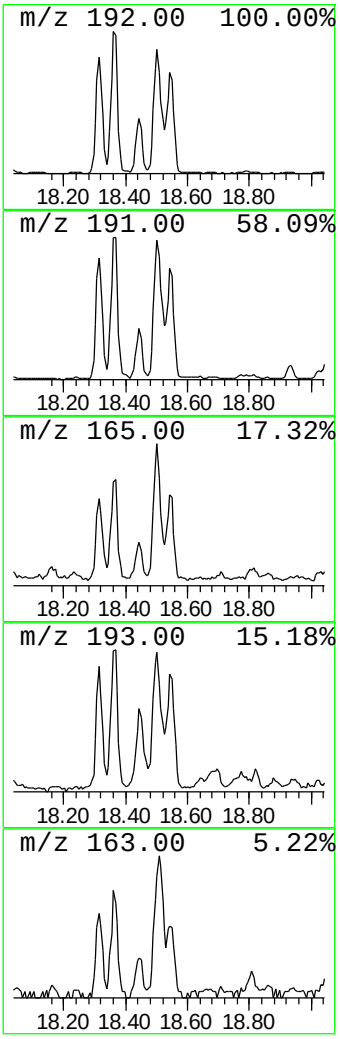
Peak Number 24 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	10.11 ng/ul	179956	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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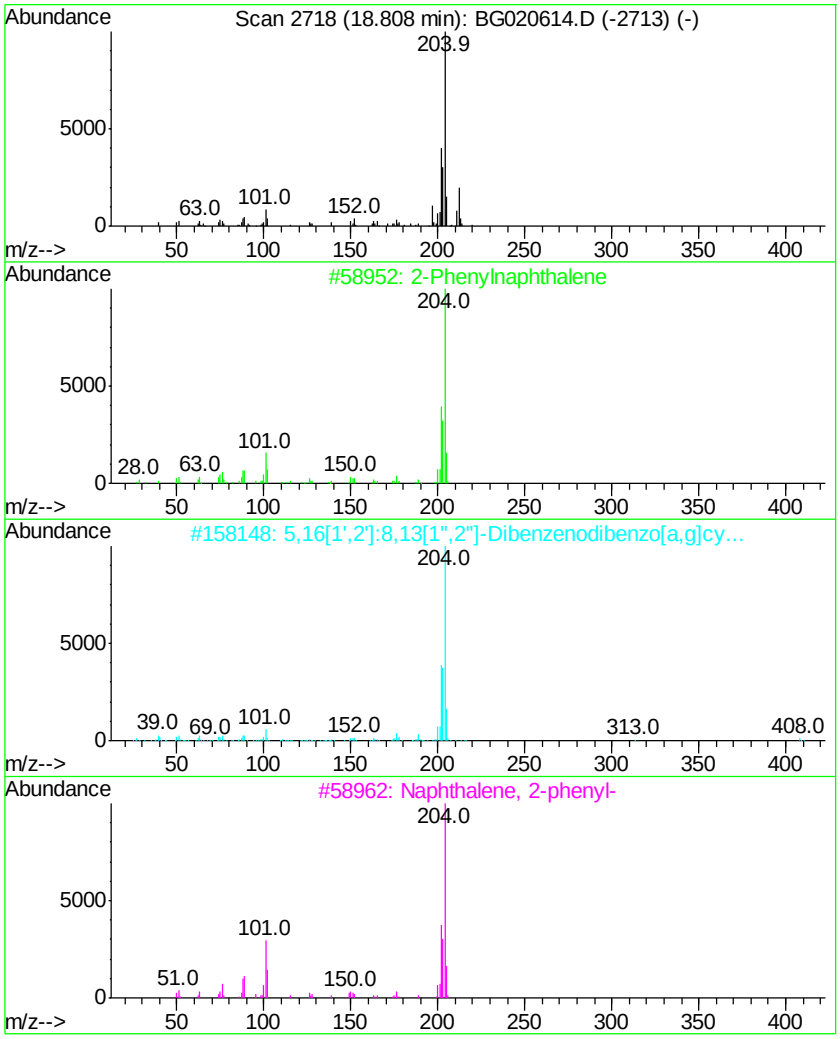
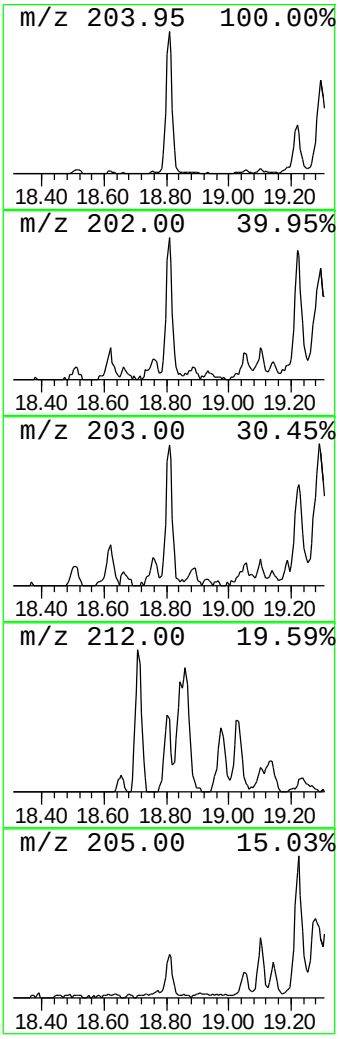
Peak Number 25 2-Phenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	5.25 ng/ul	93472	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46





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Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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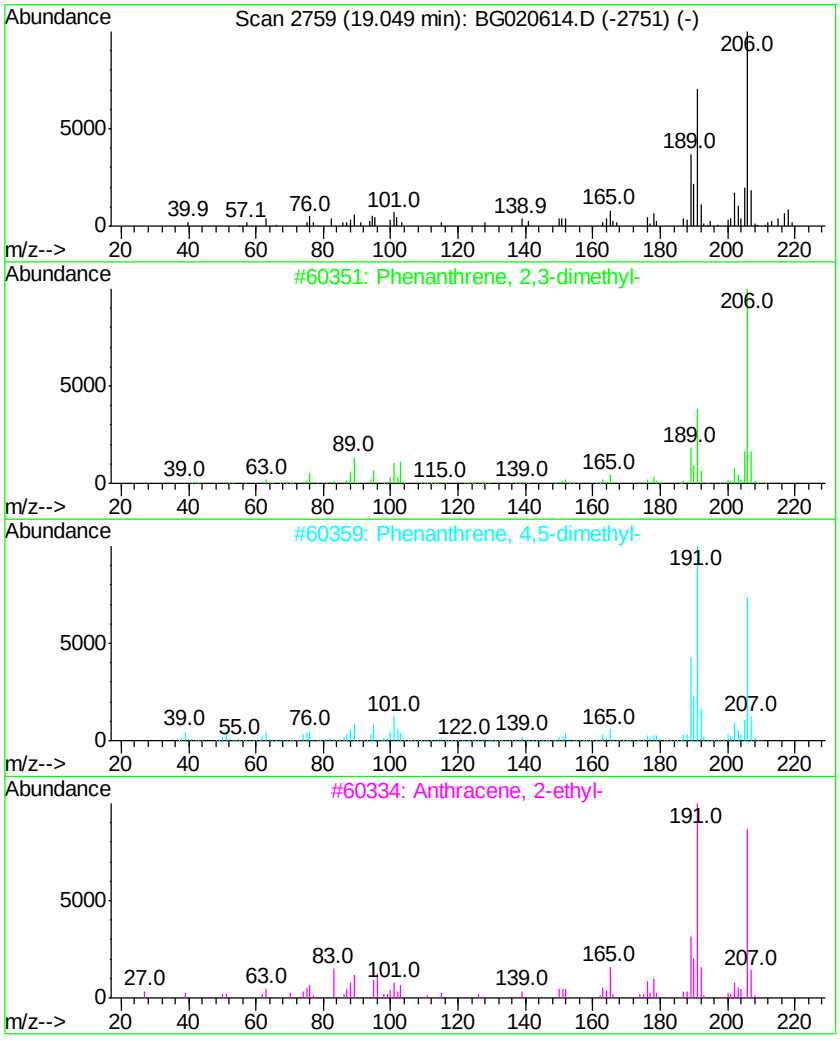
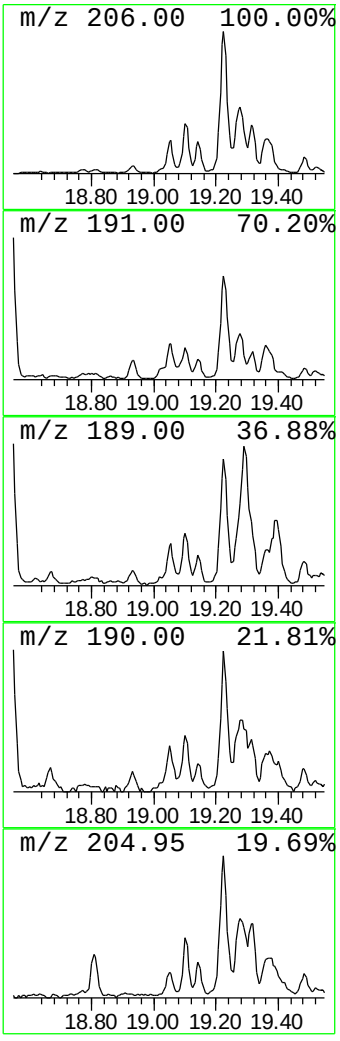
Peak Number 26 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	5.03 ng/ul	89521	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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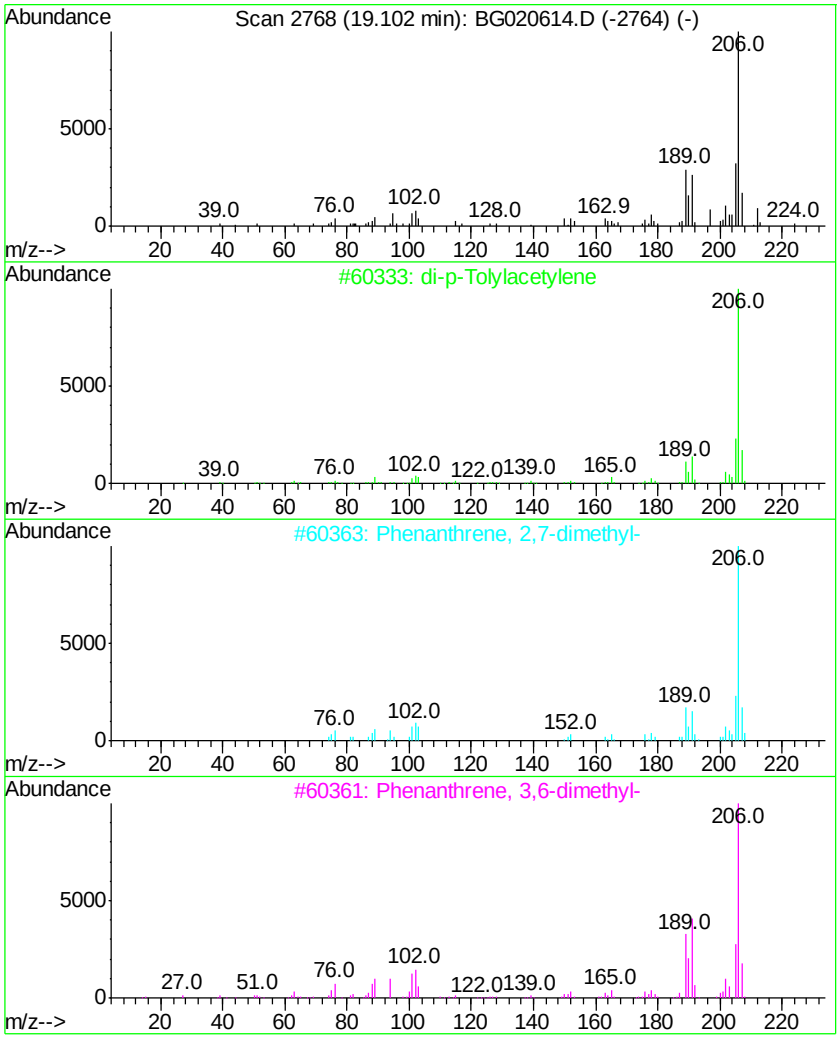
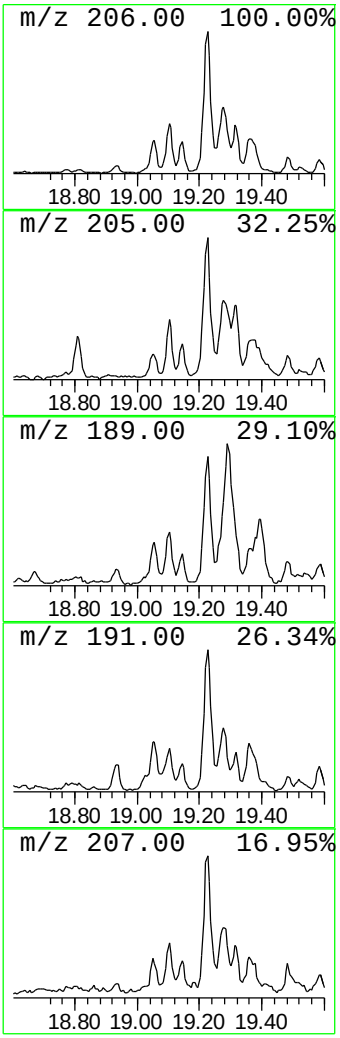
Peak Number 27 di-p-Tolylacetylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.05 ng/ul	54246	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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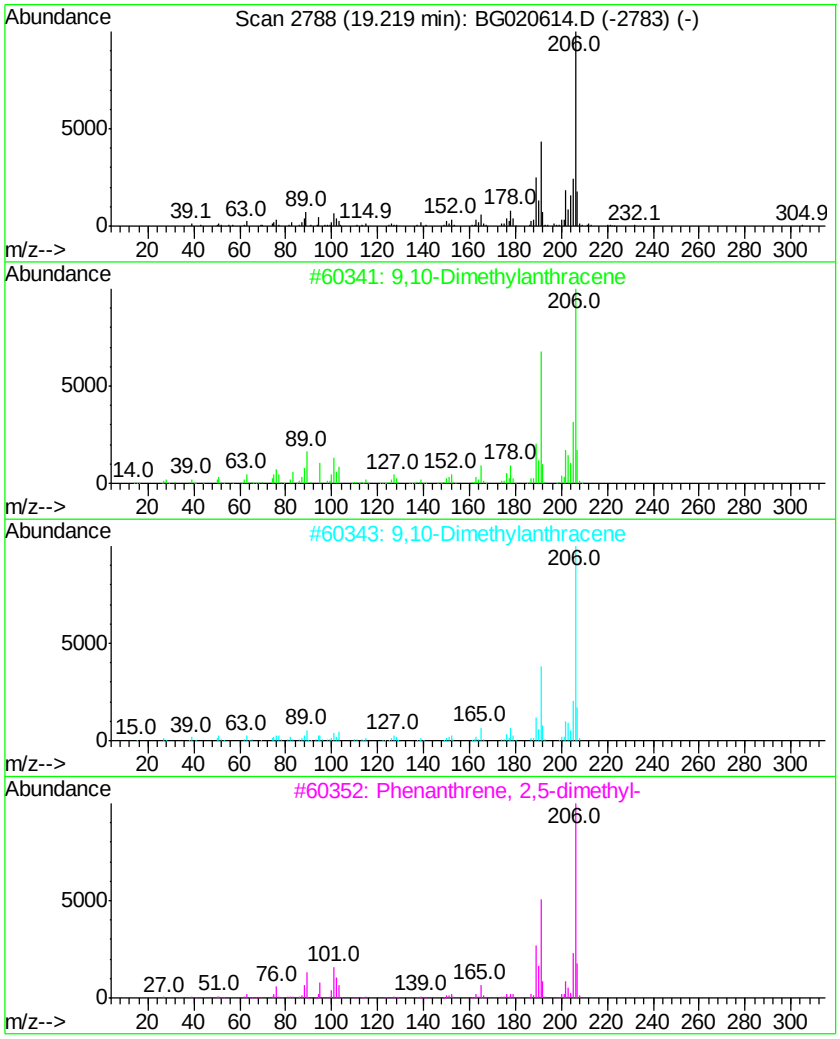
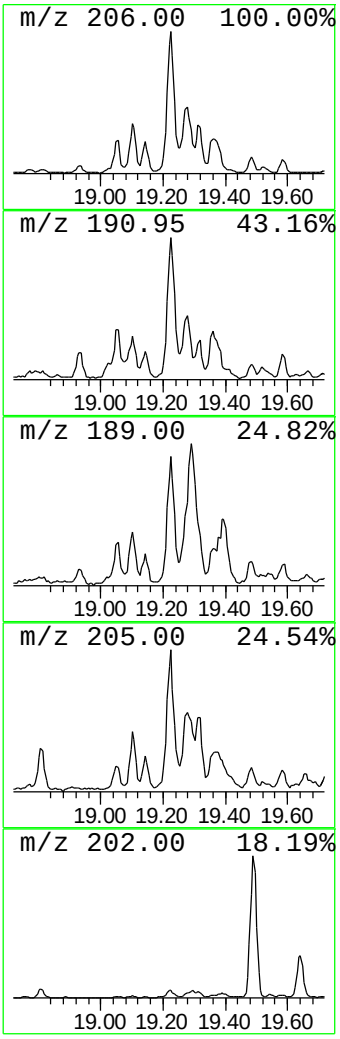
Peak Number 29 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	15.61 ng/ul	277761	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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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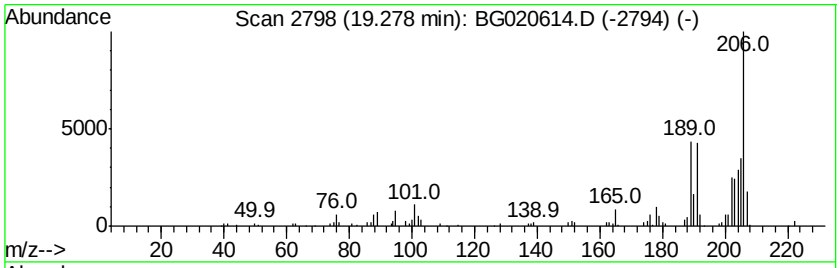
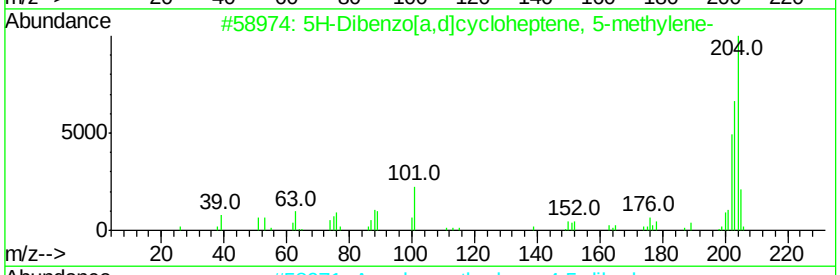
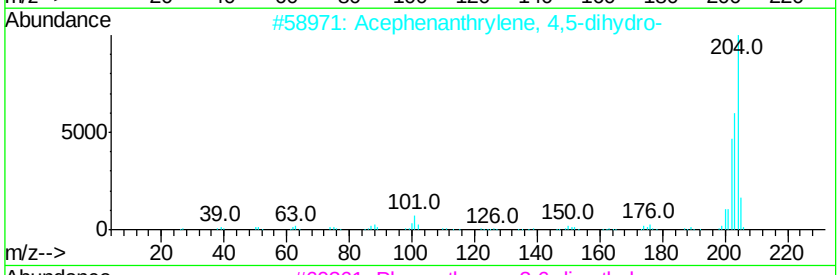
Peak Number 30 unknown-01 Concentration Rank 14

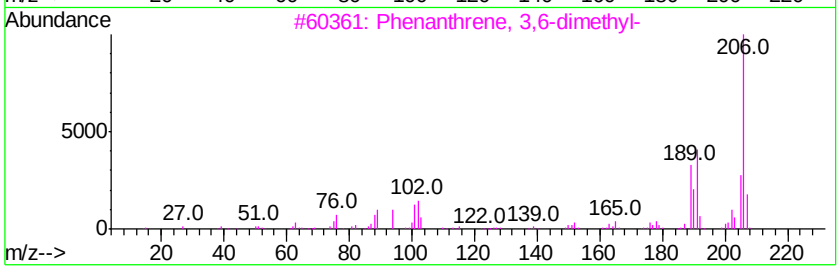
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	6.44 ng/ul	114554	Phenanthrene-d10	17.44

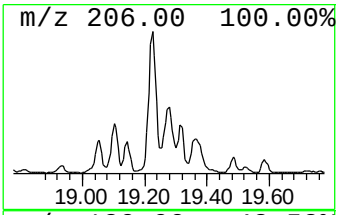
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cyclohepteneene, 5-m...	204	C16H12	002975-79-3	45
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
4	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	38
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	35

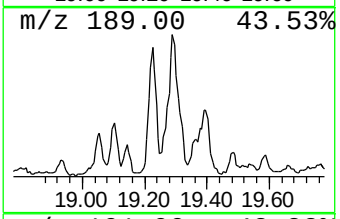


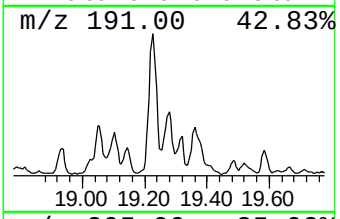


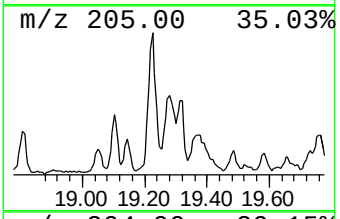


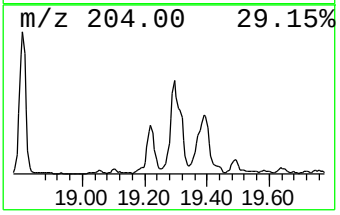












Tentatively Identified Compound (LSC) summary

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Data File : BG020614.D
Acq On : 30 Dec 2015 18:32
Operator : UM/SJ
Sample : G4802-20DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95DL

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
Naphthalene, 1-me...	12.74	14.3	ng/ul	114174	2	10.88	160150	20.0
Naphthalene, 1,6-...	13.85	8.5	ng/ul	126832	3	14.69	298986	20.0
Naphthalene, 2,3-...	14.01	8.2	ng/ul	122160	3	14.69	298986	20.0
Naphthalene, 1,4,...	15.09	6.7	ng/ul	99903	3	14.69	298986	20.0
Naphthalene, 1,6,...	15.17	6.1	ng/ul	91245	3	14.69	298986	20.0
Naphthalene, 1,4,...	15.48	3.9	ng/ul	58471	3	14.69	298986	20.0
1H-Phenalene	15.56	2.1	ng/ul	31716	3	14.69	298986	20.0
Dibenzofuran, 4-m...	16.03	2.9	ng/ul	44022	3	14.69	298986	20.0
Azulene, 7-ethyl-...	16.40	4.2	ng/ul	73768	4	17.44	355901	20.0
9H-Fluorene, 2-me...	16.74	6.1	ng/ul	108270	4	17.44	355901	20.0
9H-Fluorene, 1-me...	16.89	3.5	ng/ul	62899	4	17.44	355901	20.0
Dibenzothiophene	17.26	2.2	ng/ul	39010	4	17.44	355901	20.0
Dibenzothiophene,...	18.02	4.3	ng/ul	76520	4	17.44	355901	20.0
Dibenzothiophene,...	18.16	2.8	ng/ul	49627	4	17.44	355901	20.0
Phenanthrene, 1-m...	18.31	12.7	ng/ul	225737	4	17.44	355901	20.0
Anthracene, 1-met...	18.36	15.7	ng/ul	278927	4	17.44	355901	20.0
Anthracene, 2-met...	18.44	5.8	ng/ul	103437	4	17.44	355901	20.0
Benzaldehyde, 3,5...	18.51	25.6	ng/ul	455887	4	17.44	355901	20.0
Phenanthrene, 4-m...	18.54	10.1	ng/ul	179956	4	17.44	355901	20.0
2-Phenylnaphthalene	18.81	5.3	ng/ul	93472	4	17.44	355901	20.0
Phenanthrene, 2,3...	19.05	5.0	ng/ul	89521	4	17.44	355901	20.0
di-p-Tolylacetylene	19.10	3.0	ng/ul	54246	4	17.44	355901	20.0
9,10-Dimethylanth...	19.22	15.6	ng/ul	277761	4	17.44	355901	20.0
unknown-01	19.28	6.4	ng/ul	114554	4	17.44	355901	20.0