LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

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-BG011216.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	3.052	31	36	41	rBV2	12624	22464	3.00%	0.299%
2	3.134	46	50	55	rVB	11012	15566	2.08%	0.207%
3	3.945	184	188	194	rVB2	3745	5724	0.76%	0.076%
4	7.576	801	806	812	rBV2	2735	4650	0.62%	0.062%
5	8.040	878	885	894	rBV	55478	96182	12.83%	1.279%
6	9.221	1079	1086	1091	rBB3	2560	4578	0.61%	0.061%
7	10.502	1299	1304	1309	rBV2	2196	4340	0.58%	0.058%
8	10.860	1358	1365	1371	rBV	81666	146346	19.53%	1.946%
9	10.907	1371	1373	1379	rVB2	3432	5104	0.68%	0.068%
10	12.729	1678	1683	1688	rBB2	3008	5198	0.69%	0.069%
11	14.004	1894	1900	1905	rBV	5748	8583	1.15%	0.114%
12	14.080	1905	1913	1918	rVV2	9090	16545	2.21%	0.220%
13	14.127	1918	1921	1927	rVB3	4336	6148	0.82%	0.082%
14	14.374	1958	1963	1974	rBV2	11185	19729	2.63%	0.262%
15	14.680	2007	2015	2023	rBV2	143675	234733	31.32%	3.122%
16	14.744	2023	2026	2033	rVB2	7339	11135	1.49%	0.148%
17	15.073	2078	2082	2089	rBV2	6638	9884	1.32%	0.131%
18	15.150	2089	2095	2100	rVB	5881	7854	1.05%	0.104%
19	15.291	2112	2119	2125	rBV2	4819	8336	1.11%	0.111%
20	15.349	2125	2129	2133	rVB	3309	4721	0.63%	0.063%
21	15.461	2142	2148	2152	rBV2	2396	4953	0.66%	0.066%
22	15.502	2152	2155	2159	rVB	4245	5111	0.68%	0.068%
23	15.672	2180	2184	2188	rVV	17229	24195	3.23%	0.322%
24	15.725	2188	2193	2200	rVV2	12436	21008	2.80%	0.279%
25	15.890	2219	2221	2225	rVV5	3074	4471	0.60%	0.059%
26	16.019	2237	2243	2250	rVB5	4672	9847	1.31%	0.131%
27	16.172	2264	2269	2276	rBV2	4660	7958	1.06%	0.106%
28	16.360	2297	2301	2303	rBV2	3686	4915	0.66%	0.065%
29	16.395	2303	2307	2315	rVB4	8248	14229	1.90%	0.189%
30	16.730	2354	2364	2368	rBV7	8372	22188	2.96%	0.295%
31	16.777	2369	2372	2377	rVV3	8112	11646	1.55%	0.155%
32	16.877	2386	2389	2395	rVB3	4690	6755	0.90%	0.090%
33	16.953	2399	2402	2406	rVV3	2909	4475	0.60%	0.060%
34	17.000	2406	2410	2413	rVB2	2872	4343	0.58%	0.058%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

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-BG011216.M
Title : SVOA CALIBRATION

35	17.083	2419	2424	2431	rBV3	10053	16792	2.24%	0.223%
36	17.153	2431	2436	2442	rVV5	8210	13636	1.82%	0.181%
37	17.206	2442	2445	2448	rVV3	3153	4503	0.60%	0.060%
38	17.247	2448	2452	2459	rVB	16375	24232	3.23%	0.322%
39	17.429	2477	2483	2486	rVV	203256	307010	40.96%	4.083%
40	17.470	2486	2490	2496	rVV	208157	300061	40.03%	3.991%
41	17.529	2496	2500	2502	rVV	18953	26767	3.57%	0.356%
42	17.559	2502	2505	2510	rVV	18009	26771	3.57%	0.356%
43	17.623	2510	2516	2521	rVB4	7894	13497	1.80%	0.180%
44	17.835	2546	2552	2557	rBV2	12849	23537	3.14%	0.313%
45	17.940	2566	2570	2575	rBV	9506	13463	1.80%	0.179%
46	18.011	2577	2582	2589	rVB	26061	39393	5.26%	0.524%
47	18.152	2601	2606	2614	rVB	14420	29970	4.00%	0.399%
48	18.222	2614	2618	2624	rBV5	7144	12550	1.67%	0.167%
49	18.305	2627	2632	2636	rBV	78766	120246	16.04%	1.599%
50	18.352	2636	2640	2646	rVB	100683	145036	19.35%	1.929%
51	18.434	2646	2654	2658	rBV3	14729	26371	3.52%	0.351%
52	18.493	2658	2664	2668	rBV2	78178	148909	19.87%	1.981%
53	18.534	2668	2671	2676	rVB	58479	80039	10.68%	1.065%
54	18.587	2676	2680	2682	rBV3	4456	6713	0.90%	0.089%
55	18.651	2687	2691	2695	rBV5	3853	5158	0.69%	0.069%
56	18.698	2695	2699	2703	rVB2	13062	19014	2.54%	0.253%
57	18.745	2704	2707	2711	rBV6	3475	6077	0.81%	0.081%
58	18.798	2711	2716	2720	rVV	40217	61530	8.21%	0.818%
59	18.845	2720	2724	2733	rVB2	48476	83202	11.10%	1.107%
60	18.922	2733	2737	2739	rBV2	5824	7034	0.94%	0.094%
61	19.039	2750	2757	2761	rBV3	33095	60229	8.04%	0.801%
62	19.092	2762	2766	2770	rBV	41808	53463	7.13%	0.711%
63	19.133	2770	2773	2780	rVB2	32794	43709	5.83%	0.581%
64	19.215	2780	2787	2791	rBV	103626	168832	22.53%	2.246%
65	19.268	2791	2796	2800	rBV4	28443	51340	6.85%	0.683%
66	19.362	2806	2812	2816	rBV4	37484	84405	11.26%	1.123%
67	19.480	2826	2832	2837	rBV	312375	443536	59.18%	5.899%
68	19.533	2837	2841	2845	rVV	24167	36818	4.91%	0.490%
69	19.574	2845	2848	2852	rVB2	23252	29659	3.96%	0.394%
70	19.680	2862	2866	2869	rBV3	13197	18850	2.51%	0.251%
71	19.721	2869	2873	2876	rBV3	21648	31795	4.24%	0.423%

LSC Area Percent Report

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Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

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-BG011216.M
Title : SVOA CALIBRATION

72	19.815	2884	2889	2890	rBV3	62397	90862	12.12%	1.209%
73	19.844	2890	2894	2901	rVB	366661	547322	73.02%	7.280%
74	19.909	2901	2905	2911	rVB	56860	84858	11.32%	1.129%
75	19.979	2915	2917	2918	rBV2	9274	7606	1.01%	0.101%
76	20.073	2929	2933	2940	rVB2	26174	45769	6.11%	0.609%
77	20.167	2942	2949	2957	rBV5	50310	140846	18.79%	1.873%
78	20.326	2967	2976	2985	rVB	75476	207421	27.67%	2.759%
79	20.396	2986	2988	2989	rBV2	9410	7250	0.97%	0.096%
80	20.432	2990	2994	2998	rVV	40890	58447	7.80%	0.777%
81	20.490	3000	3004	3008	rVB	80183	104480	13.94%	1.390%
82	20.631	3024	3028	3032	rBV	71580	97797	13.05%	1.301%
83	20.673	3032	3035	3044	rVB2	57803	103032	13.75%	1.370%
84	20.884	3067	3071	3074	rBV3	30117	42384	5.65%	0.564%
85	21.096	3103	3107	3113	rVB	50211	79829	10.65%	1.062%
86	21.190	3120	3123	3129	rVB	20206	29894	3.99%	0.398%
87	21.278	3136	3138	3142	rVB	42460	52707	7.03%	0.701%
88	21.319	3143	3145	3149	rVB	41076	47769	6.37%	0.635%
89	21.372	3150	3154	3159	rBV2	26527	51069	6.81%	0.679%
90	21.701	3201	3210	3215	rBV2	297632	749505	100.00%	9.969%
91	21.748	3215	3218	3229	rVB	167517	296164	39.51%	3.939%
92	21.853	3231	3236	3240	rVB4	24366	42821	5.71%	0.570%
93	22.711	3379	3382	3387	rBV2	20159	29298	3.91%	0.390%
94	23.452	3506	3508	3509	rBV2	7462	6053	0.81%	0.081%
95	23.922	3581	3588	3595	rBV2	84907	264665	35.31%	3.520%
96	24.656	3703	3713	3720	rBV2	64630	185580	24.76%	2.468%
97	24.797	3731	3737	3749	rVB	87362	247220	32.98%	3.288%
98	24.956	3755	3764	3772	rBV2	130488	360163	48.05%	4.790%
99	28.187	4311	4314	4315	rBV3	5358	6243	0.83%	0.083%
100	28.681	4386	4398	4415	rVB3	33617	163409	21.80%	2.173%

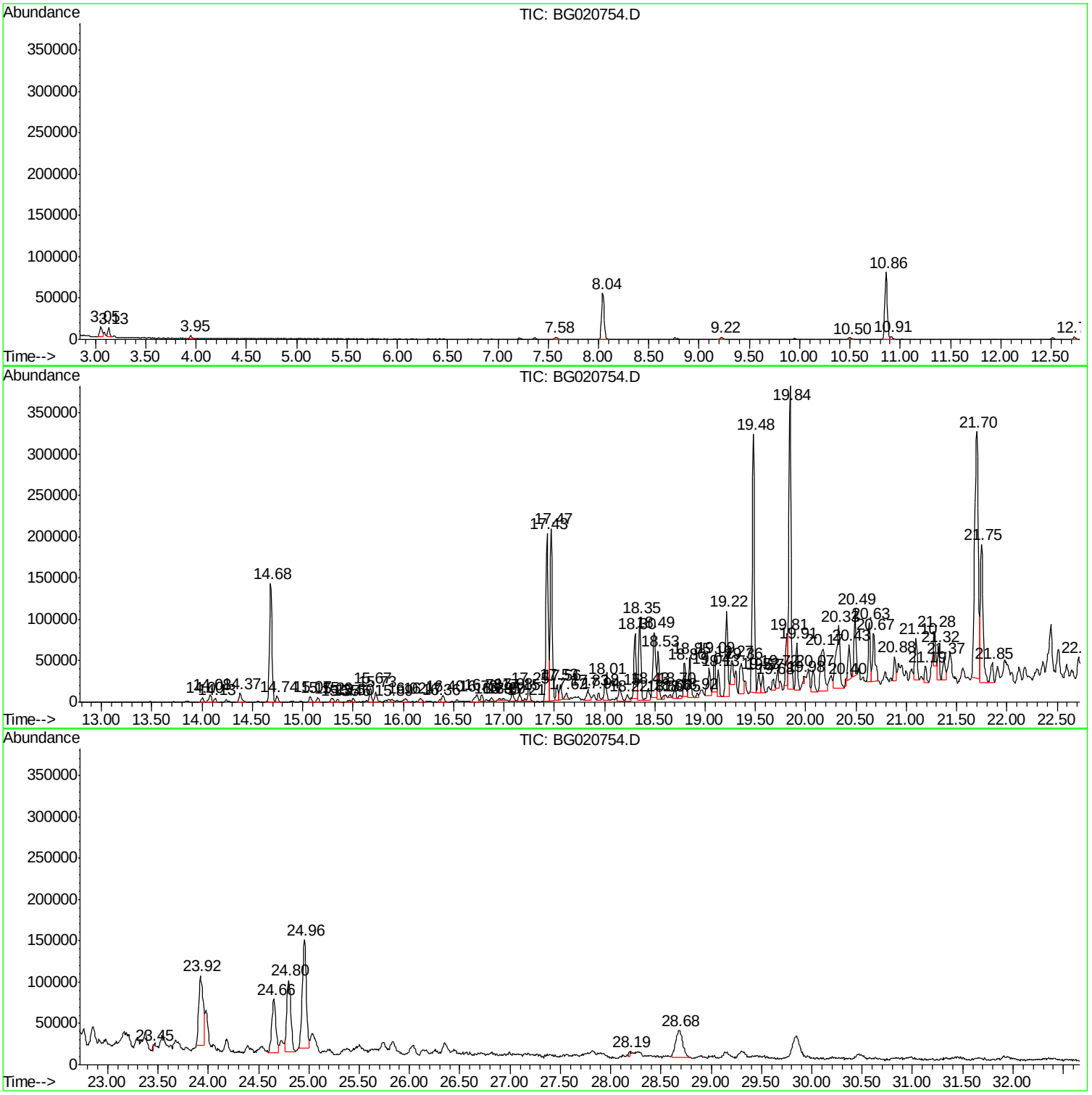
Sum of corrected areas: 7518524

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

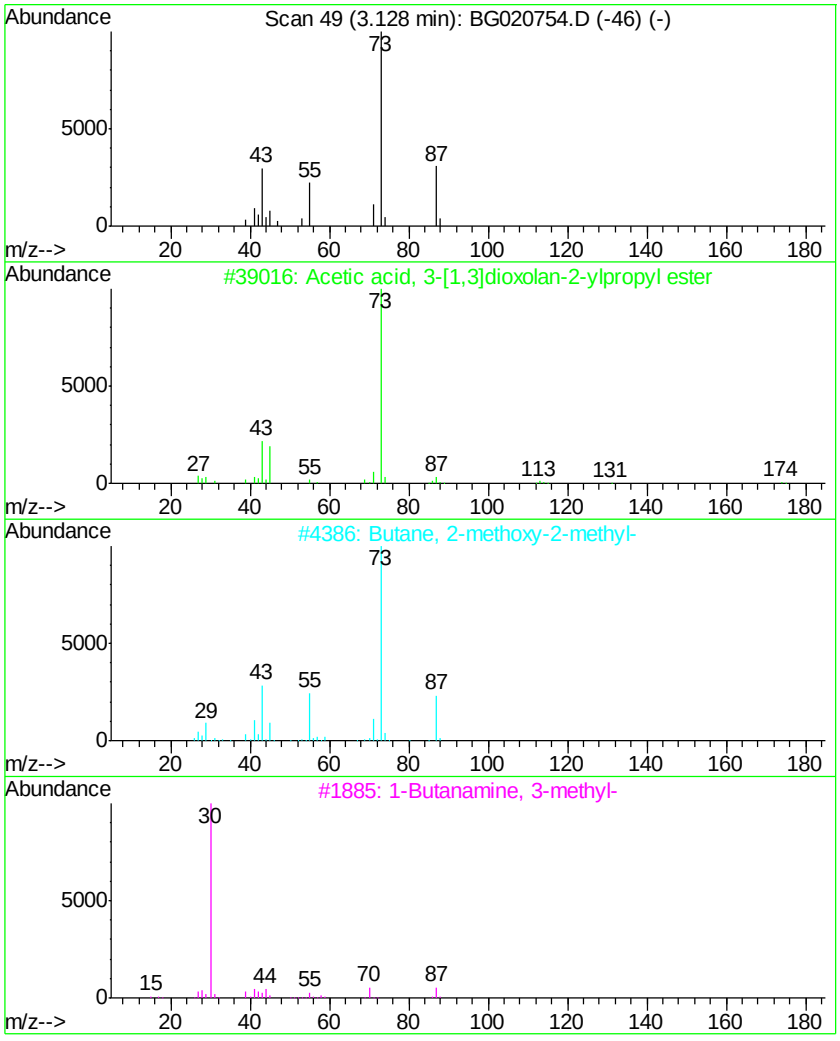
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

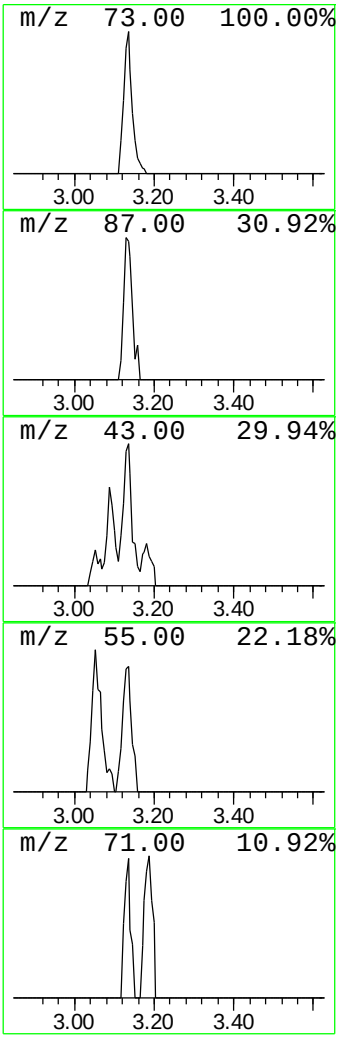
****

Peak Number 2 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	3.24 ng/ul	15566	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	23
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	7
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

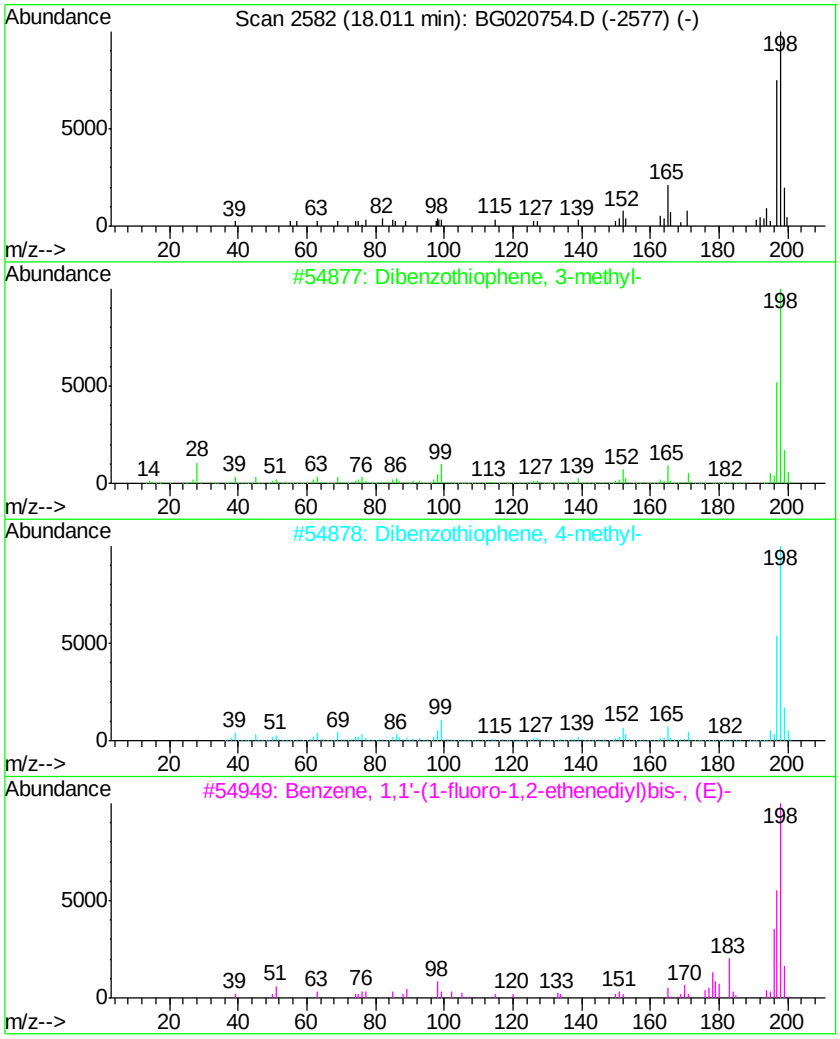
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

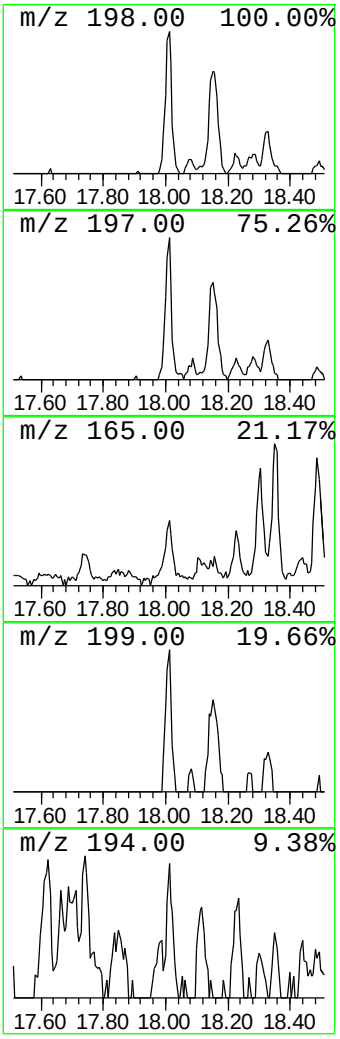
****

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.57 ng/ul	39393	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

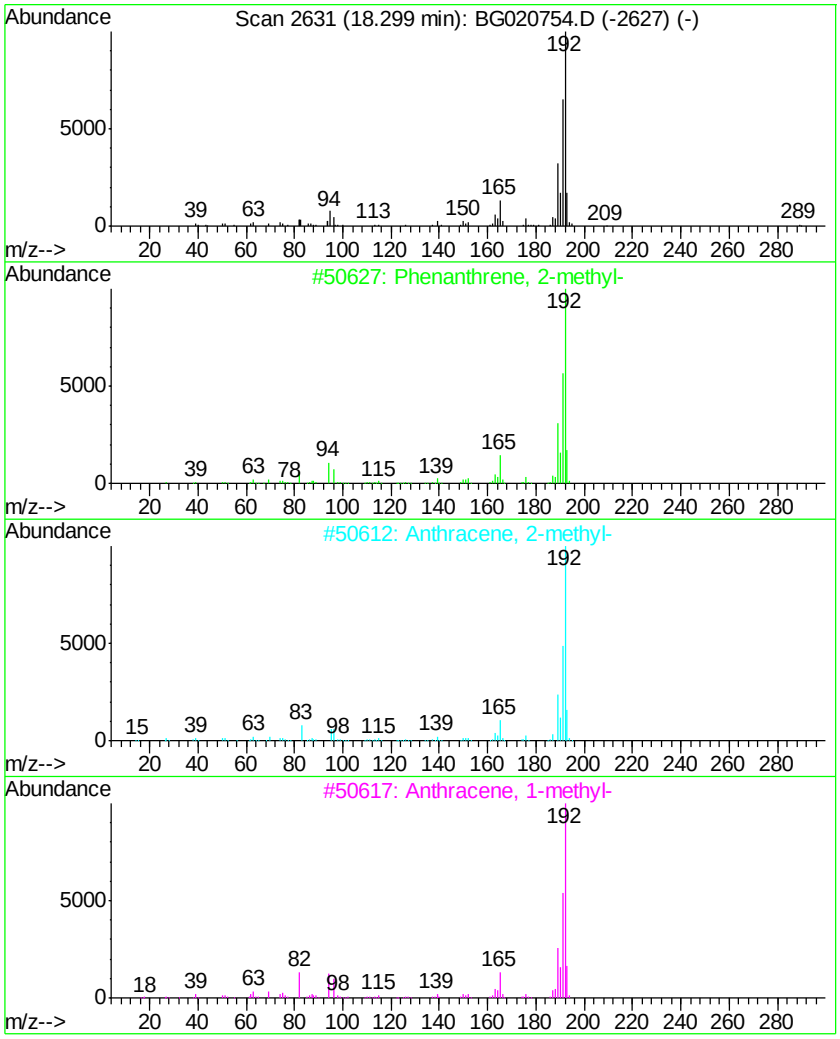
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

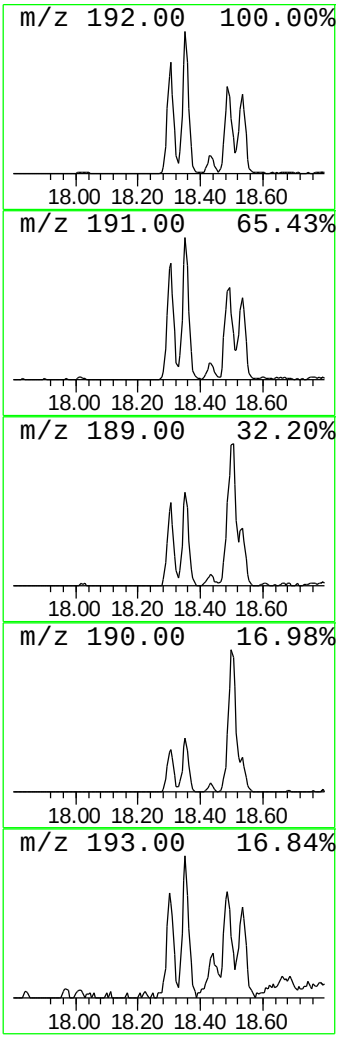
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	7.83 ng/ul	120246	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

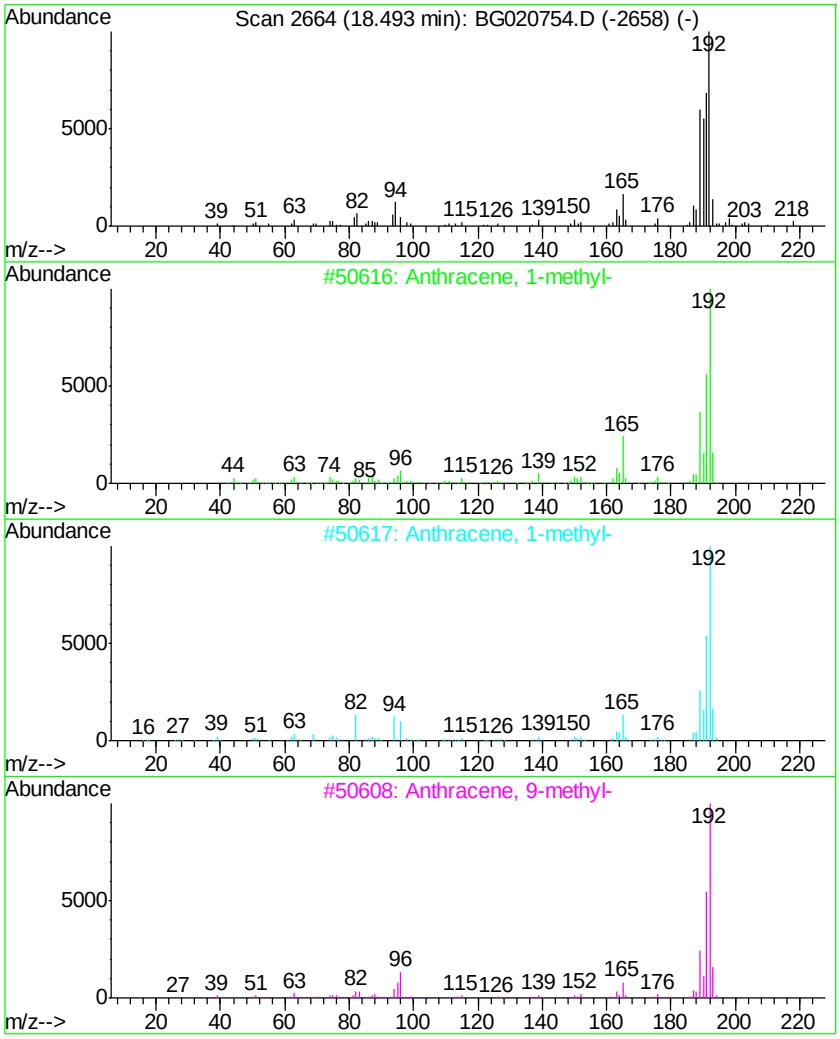
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

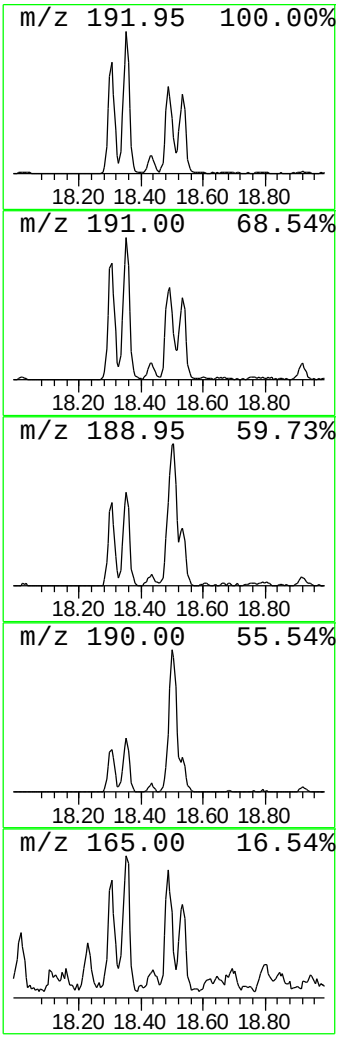
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	9.70 ng/ul	148909	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

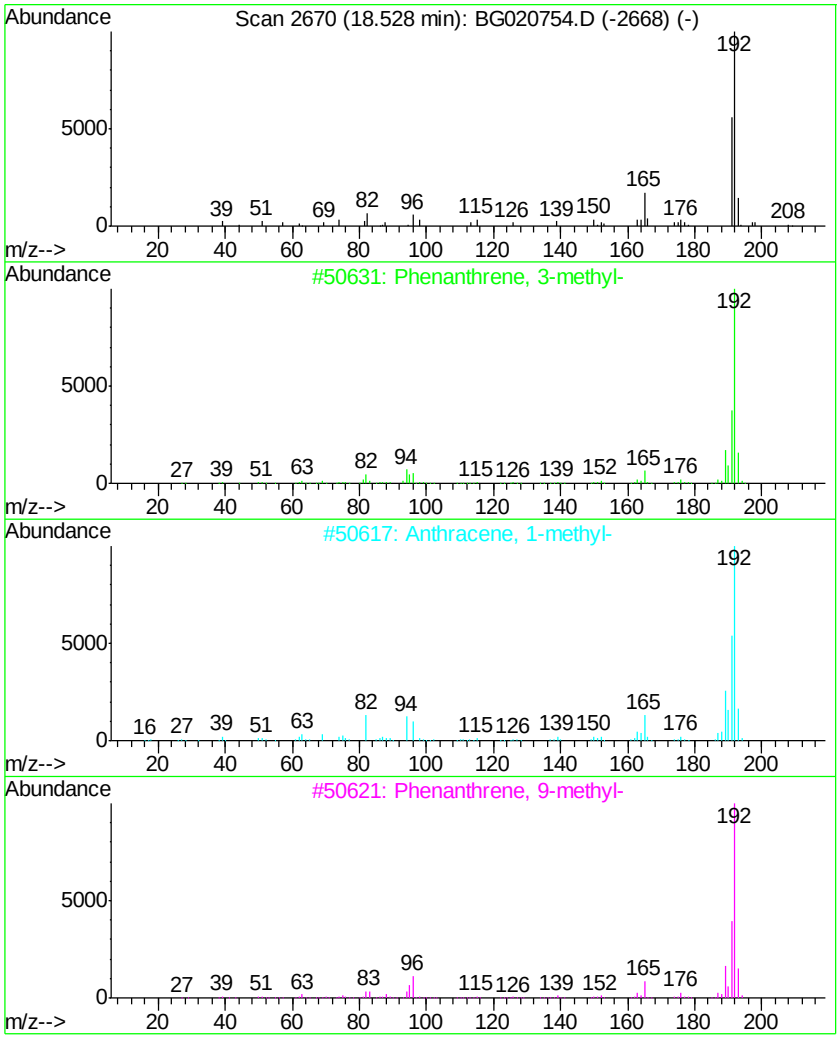
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

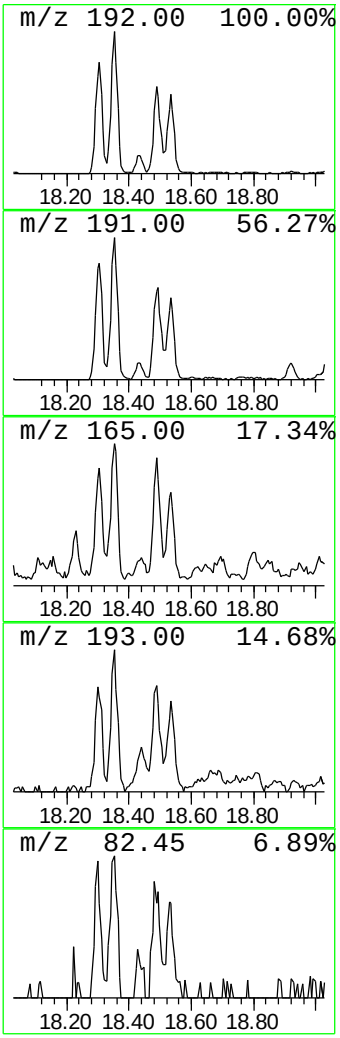
****

Peak Number 7 Phenanthrene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.21 ng/ul	80039	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

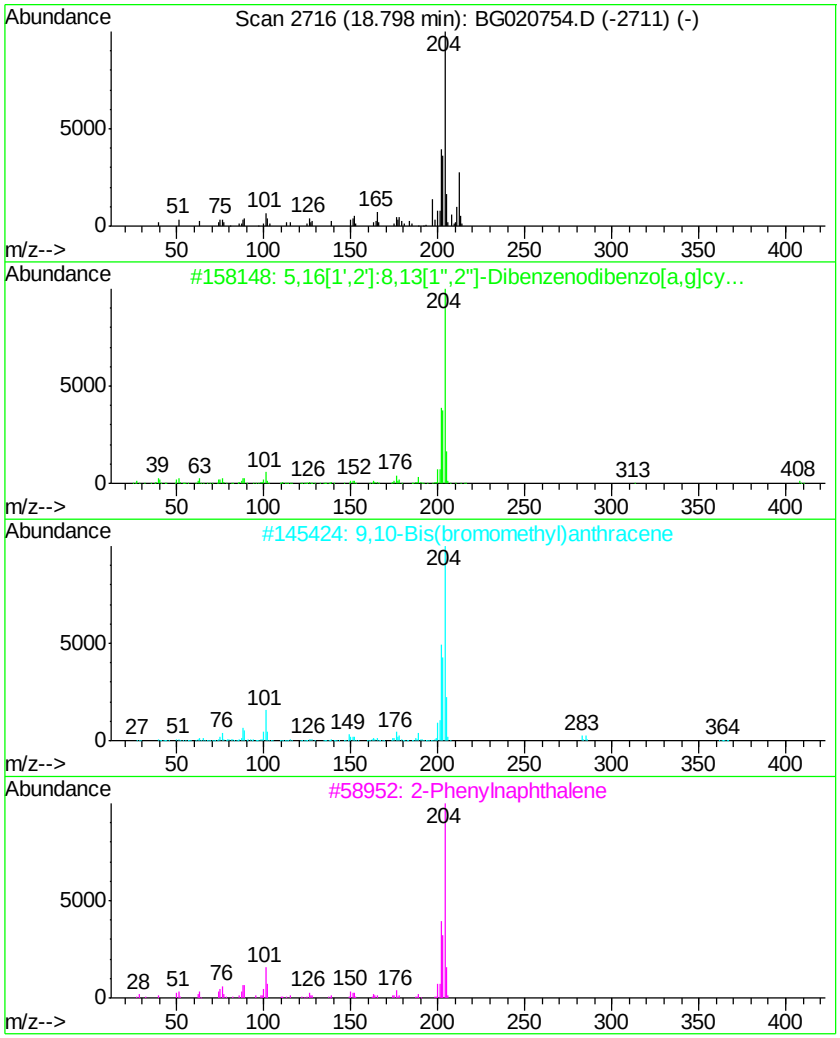
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

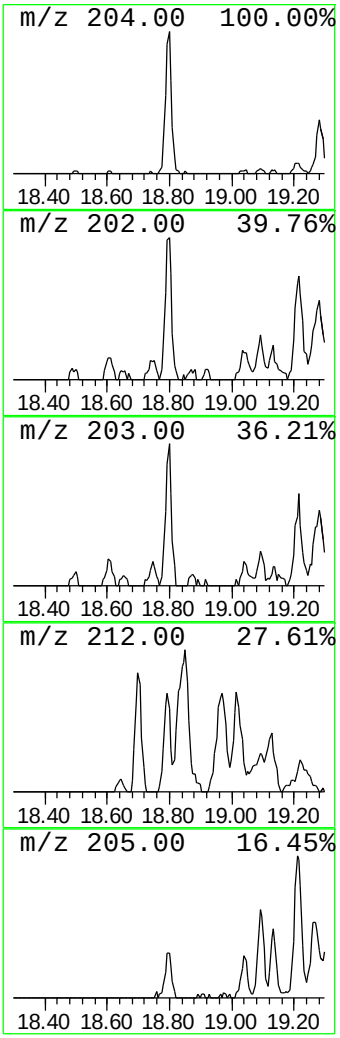
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	4.01 ng/ul	61530	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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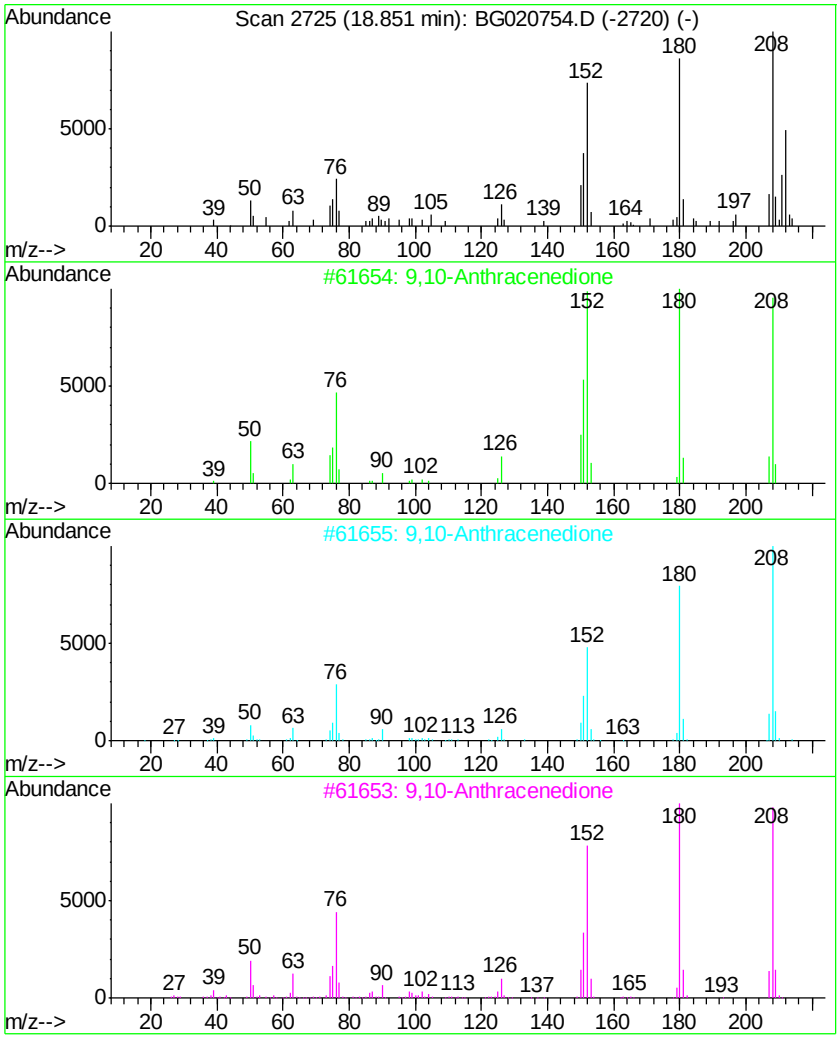
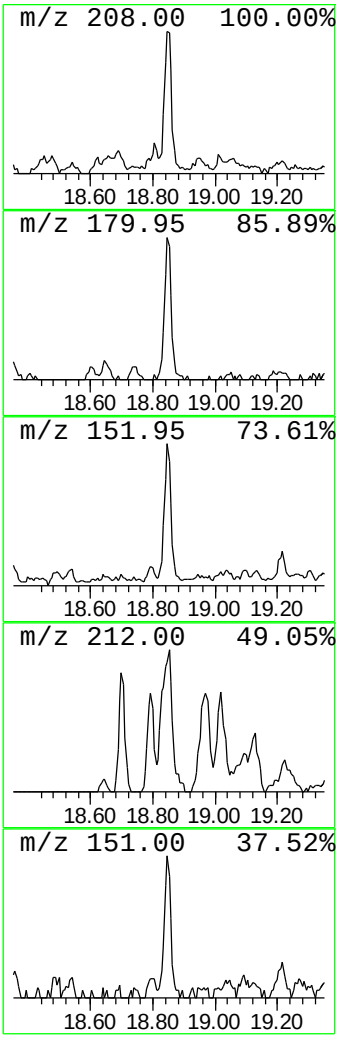
Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.42 ng/ul	83202	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

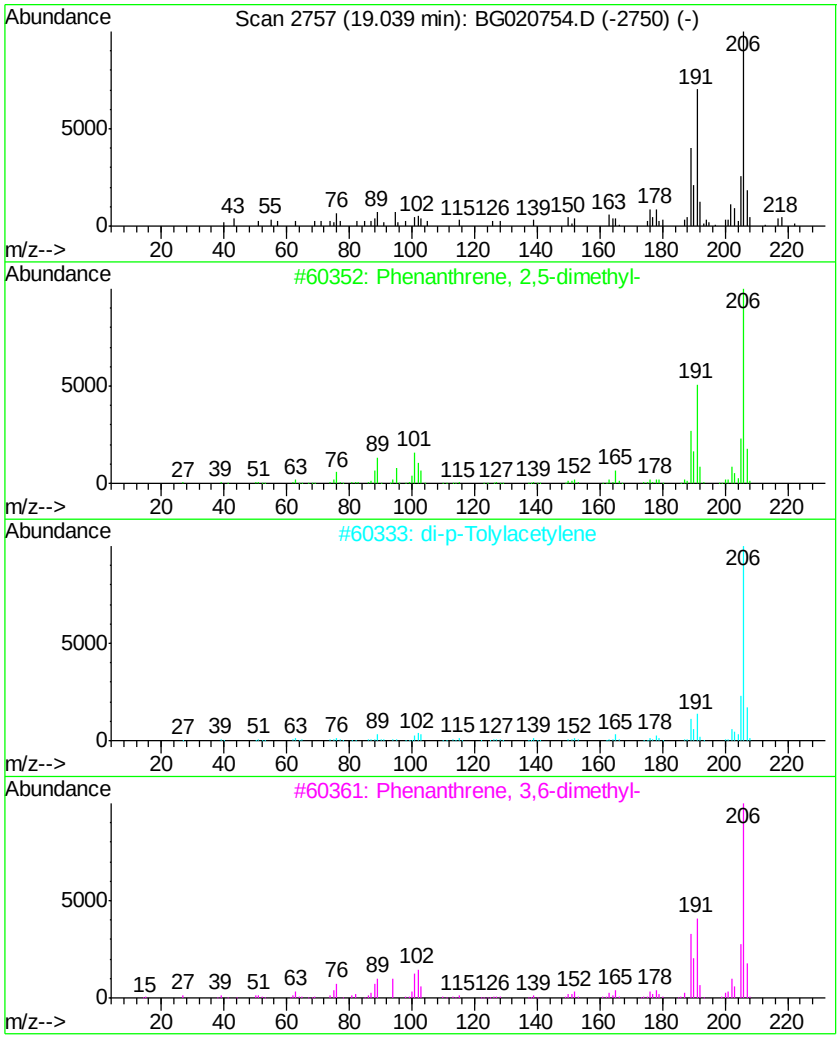
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

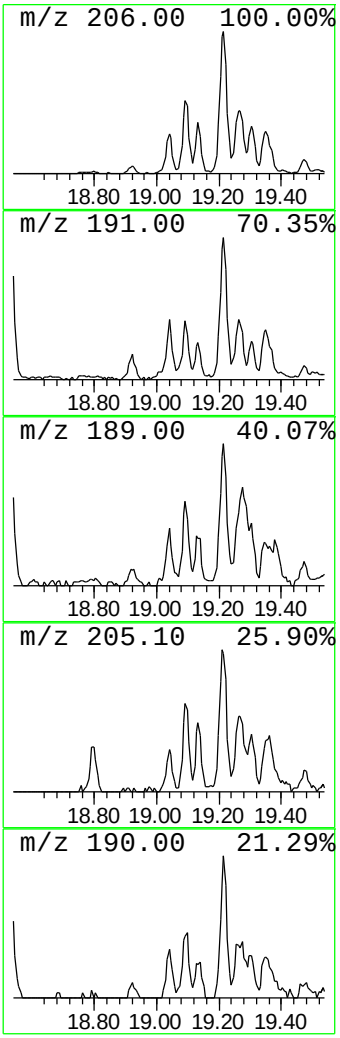
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.92 ng/ul	60229	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

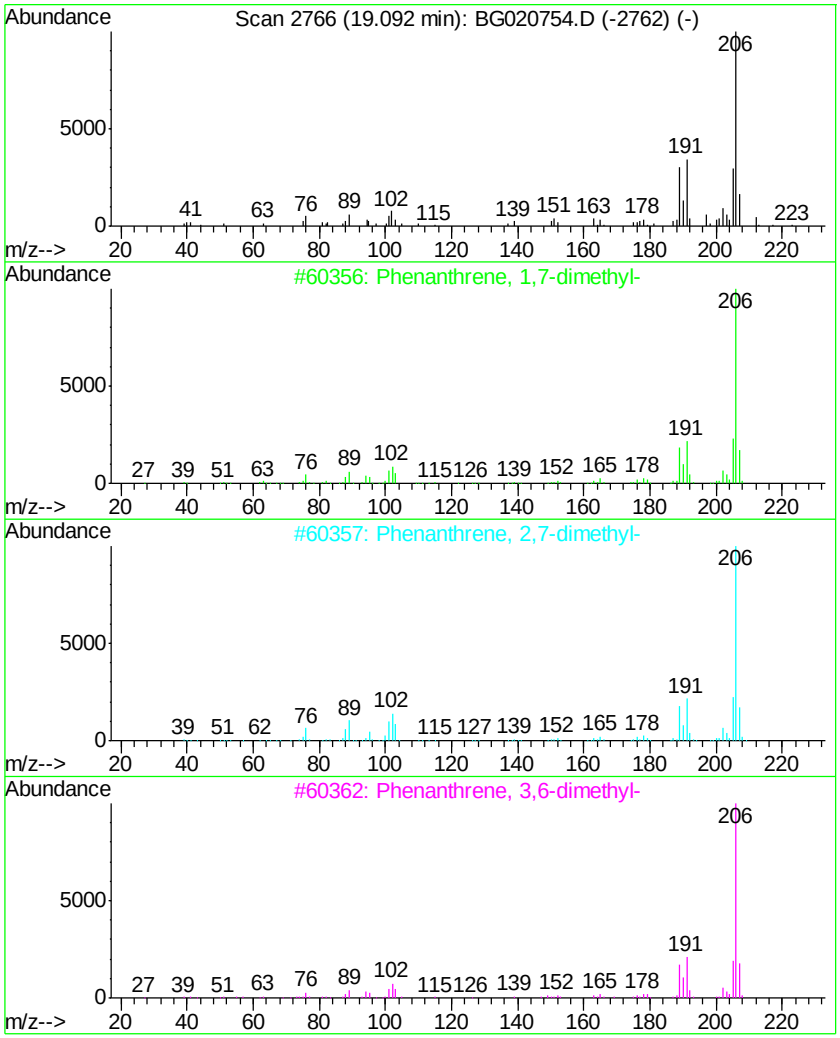
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

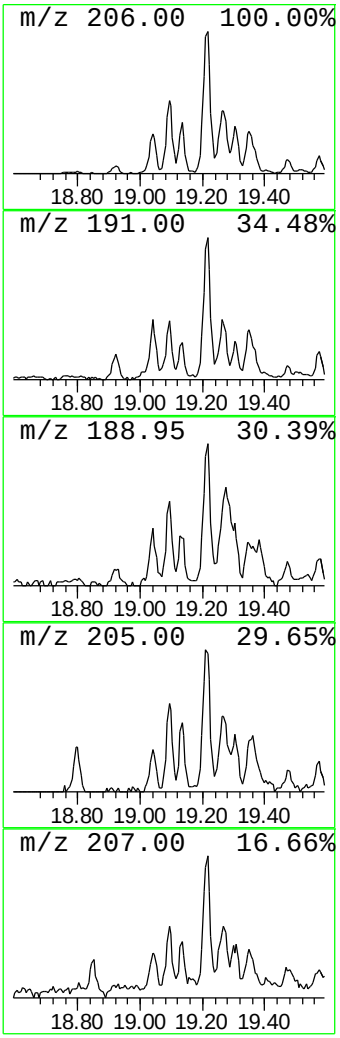
****

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	3.48 ng/ul	53463	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	74





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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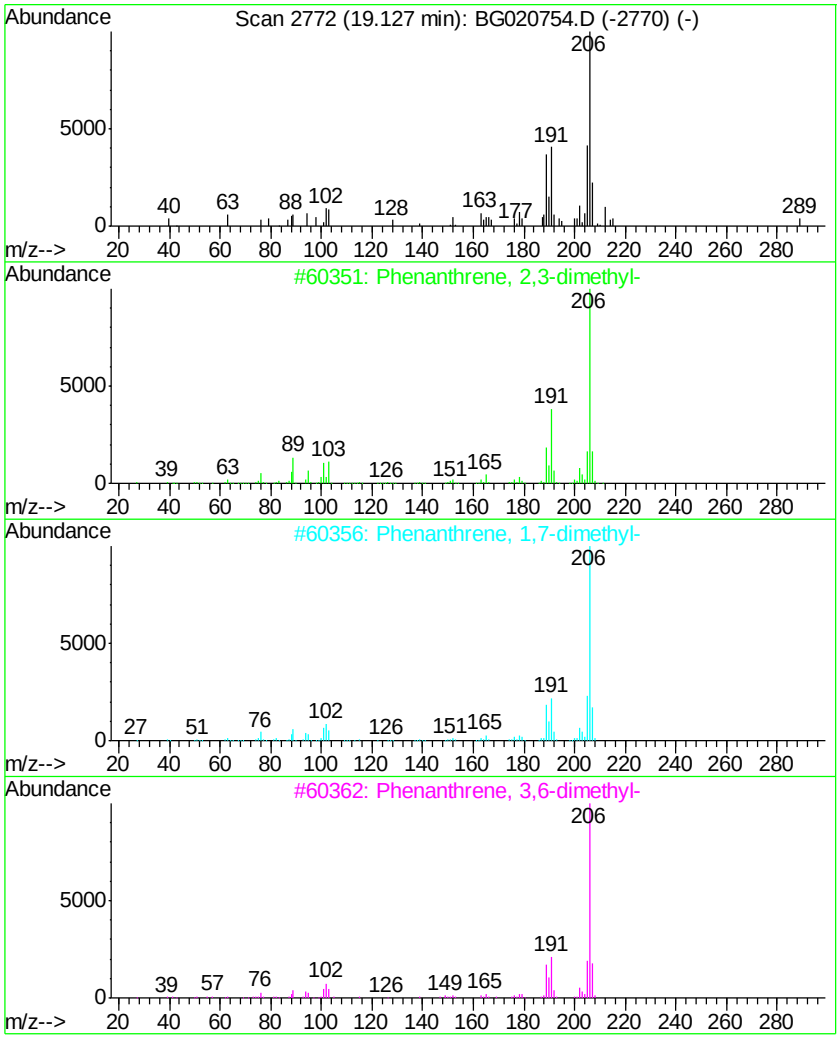
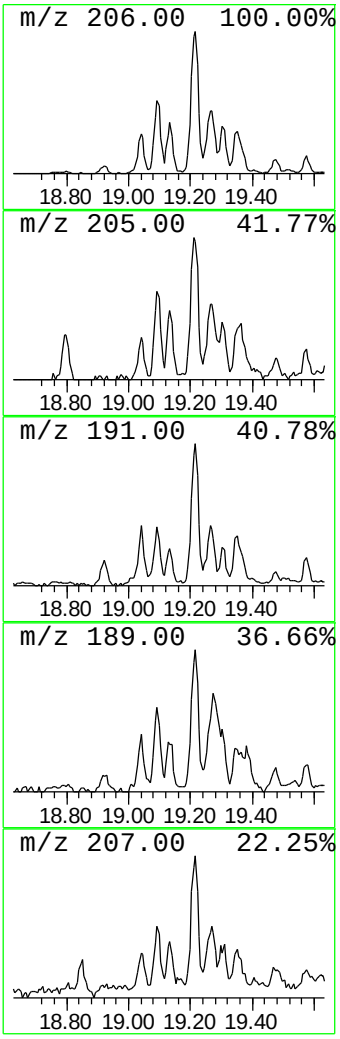
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.85 ng/ul	43709	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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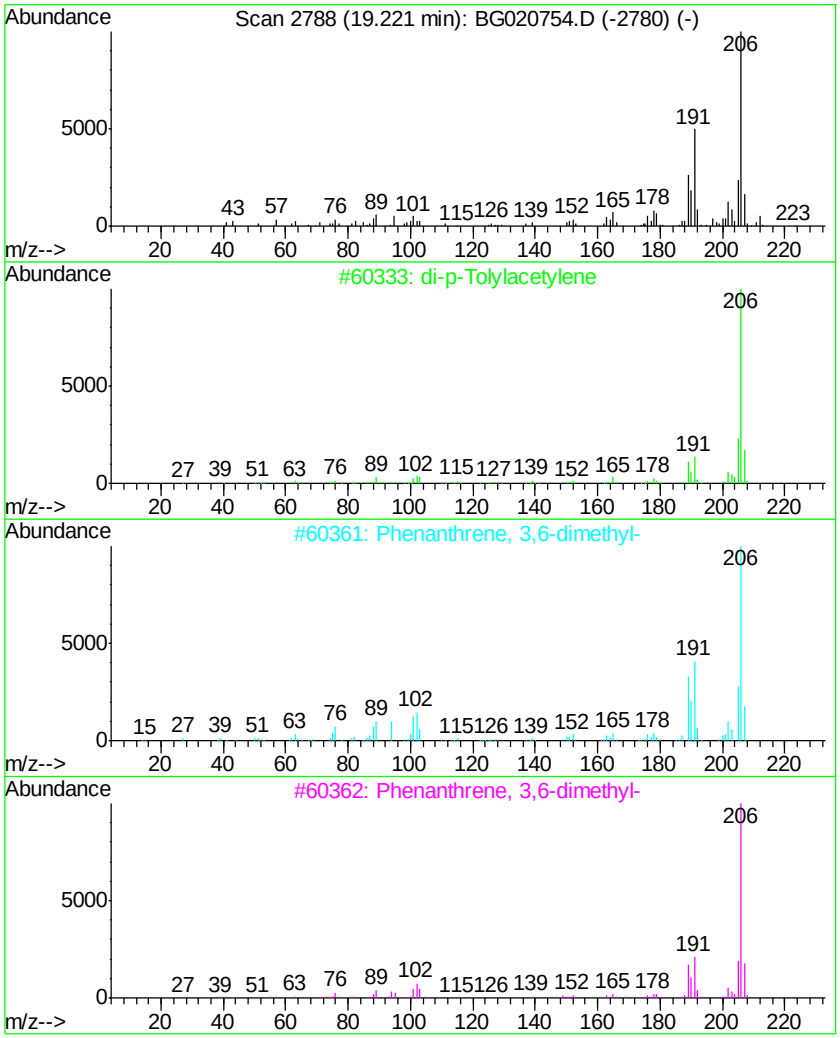
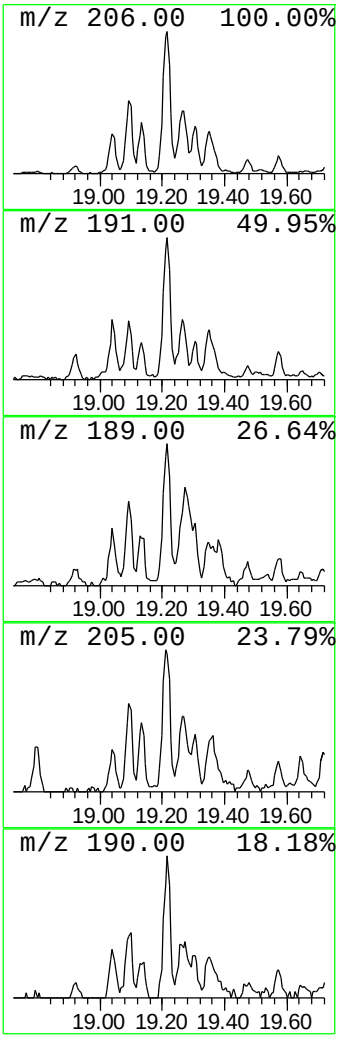
Peak Number 13 di-p-Tolylacetylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	11.00 ng/ul	168832	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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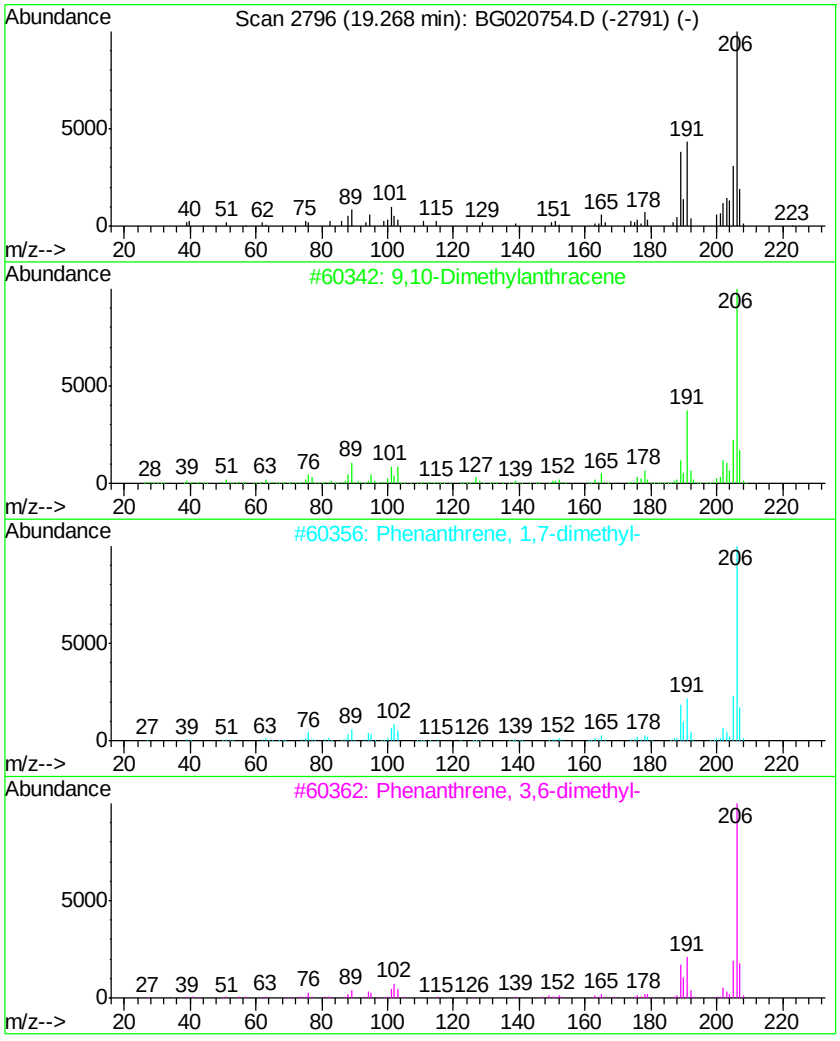
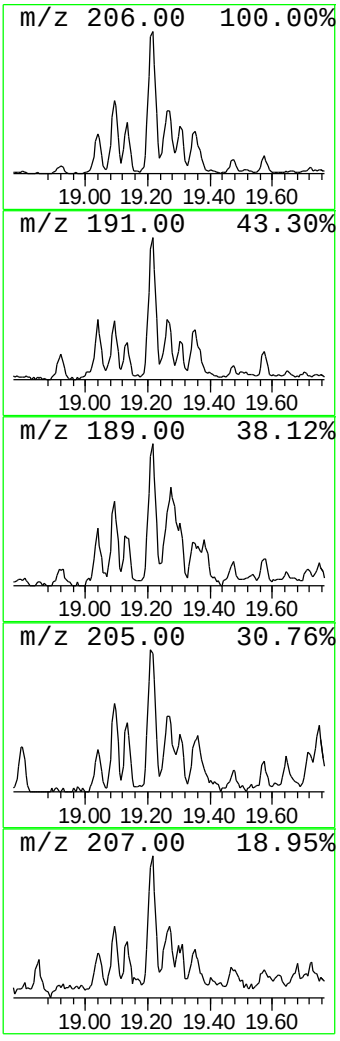
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.34 ng/ul	51340	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76





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Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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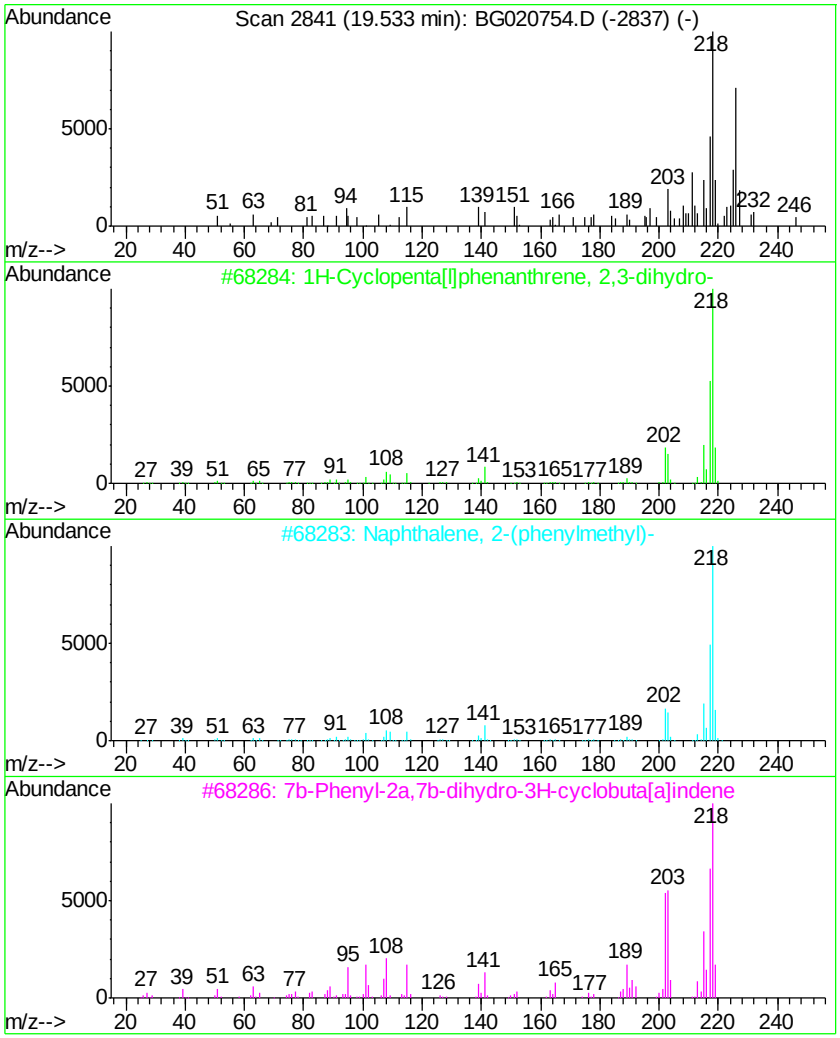
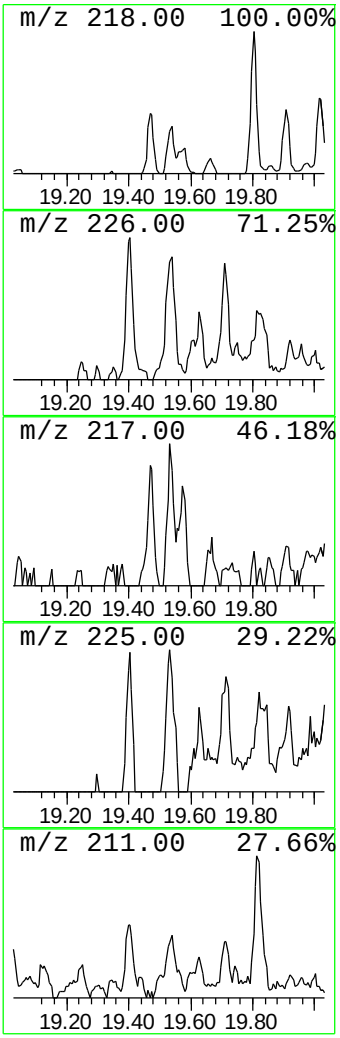
Peak Number 16 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.40 ng/ul	36818	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	43
2	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	43
3	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	32
4	Isoquinoline, 1-(phenylmethyl)-	219	C16H13N	006907-59-1	27
5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	27





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Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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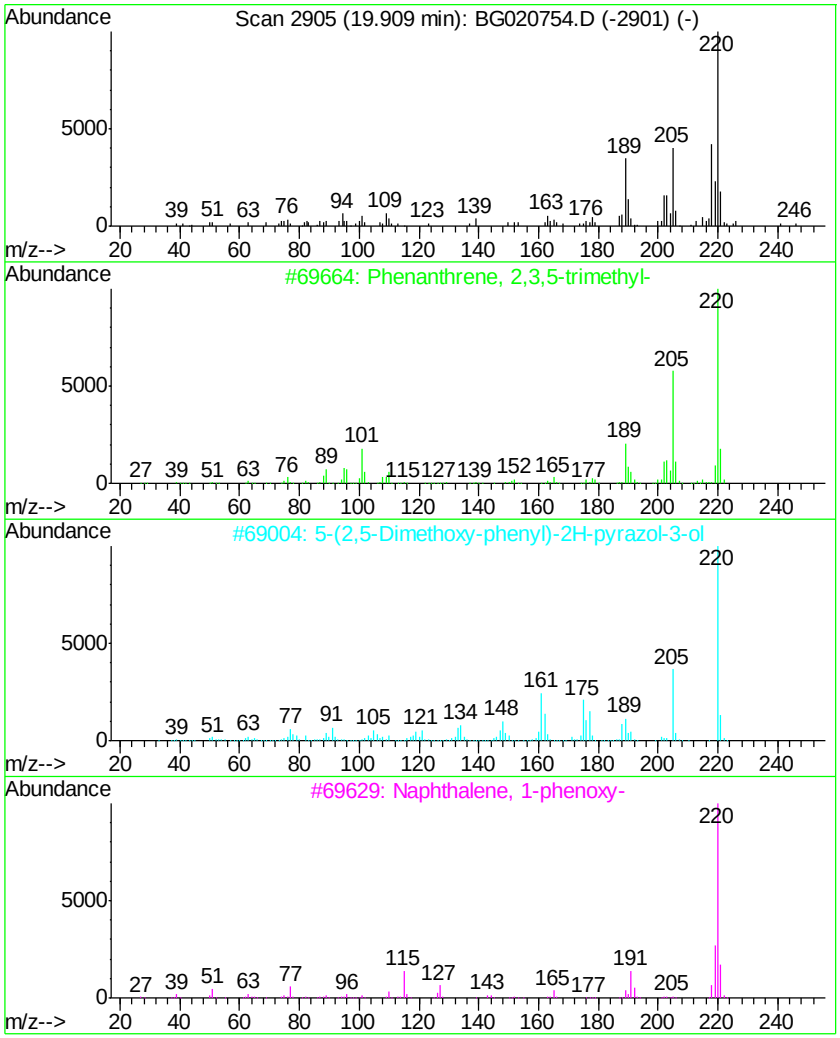
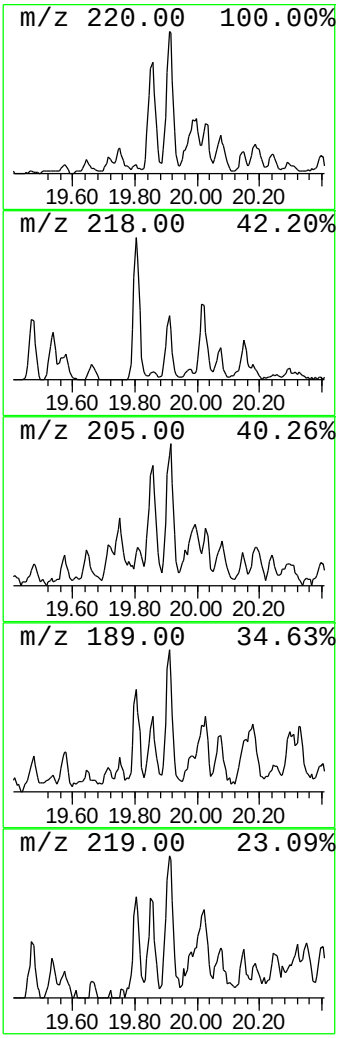
Peak Number 17 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.26 ng/ul	84858	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	49
2	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	43
3	Naphthalene, 1-phenoxy-	220	C16H12O	003402-76-4	38
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	37
5	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

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Quant Title : SVOA CALIBRATION

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

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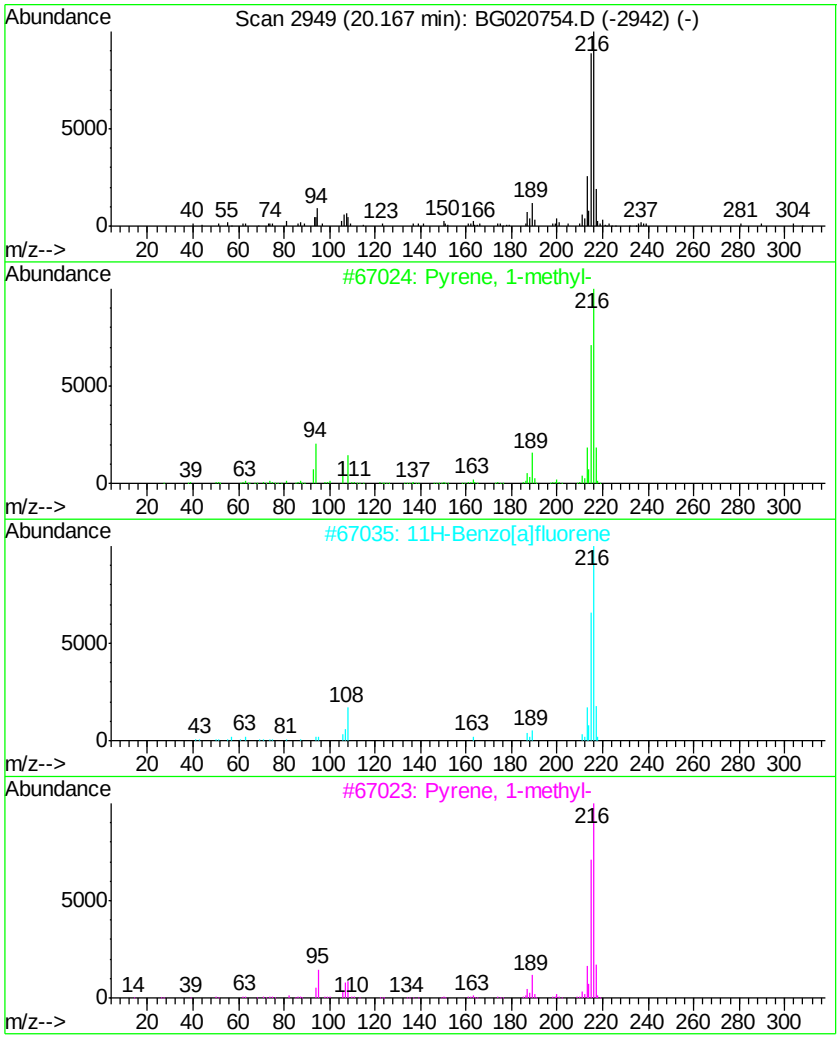
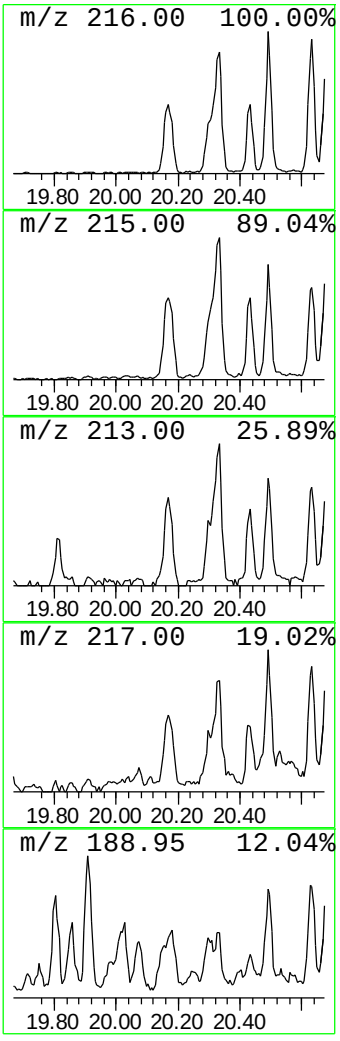
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.76 ng/ul	140846	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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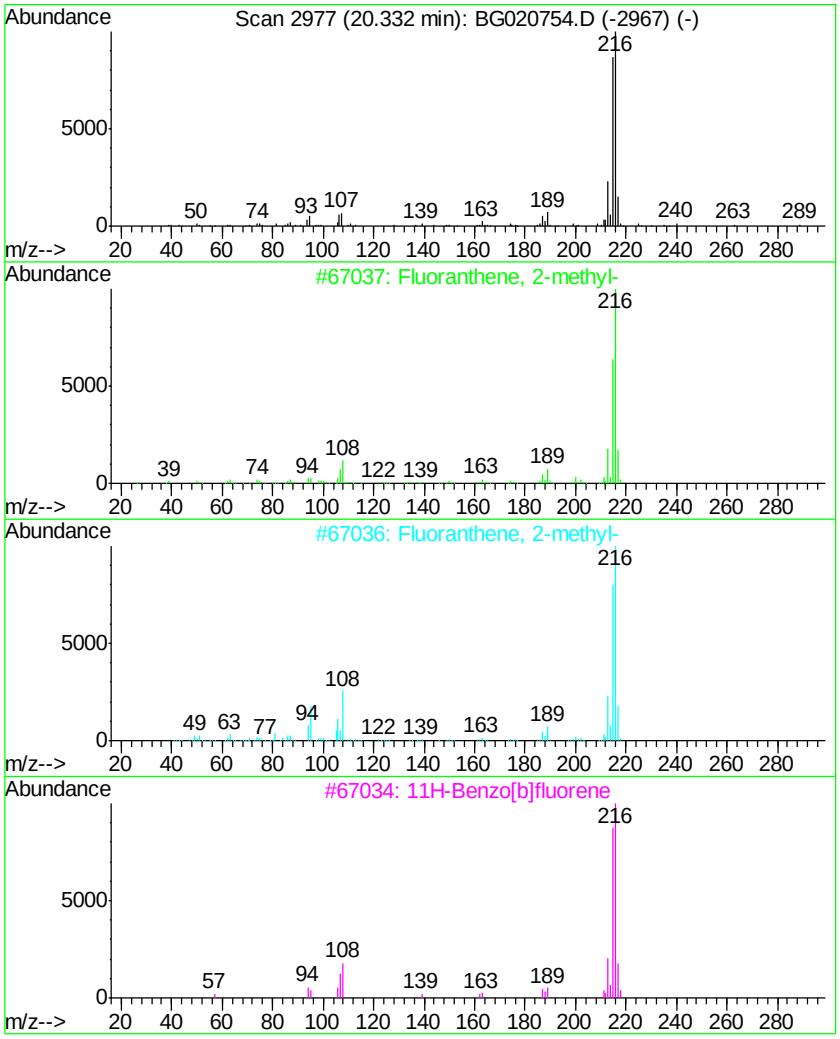
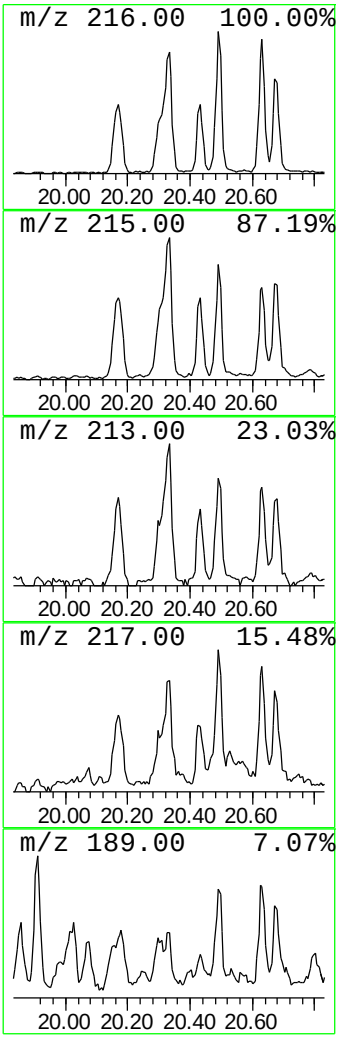
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	5.53 ng/ul	207421	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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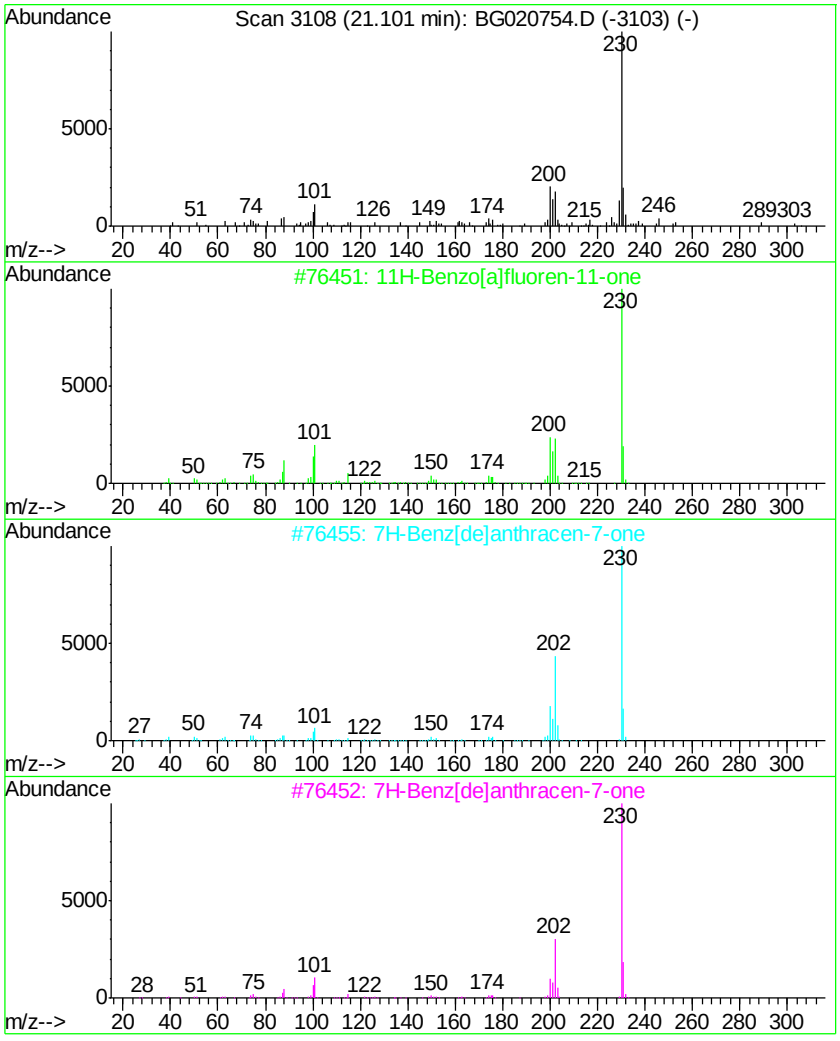
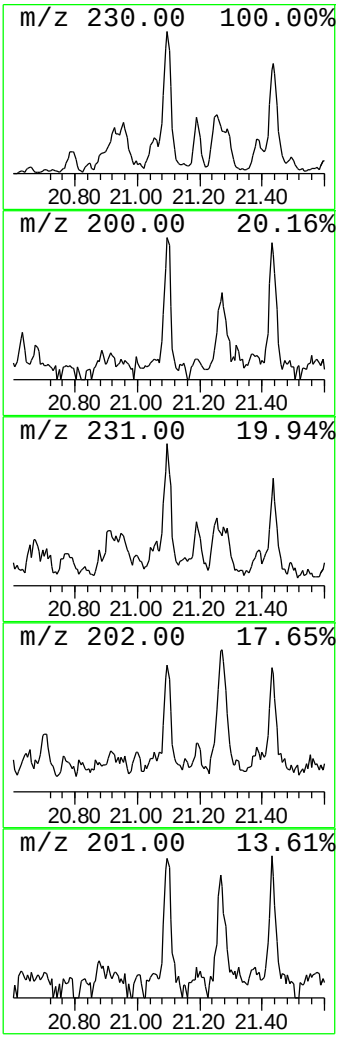
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.13 ng/ul	79829	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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
unknown-01	3.13	3.2	ng/ul	15566	1	8.04	96182	20.0
Dibenzothiophene,...	18.01	2.6	ng/ul	39393	4	17.43	307010	20.0
Phenanthrene, 2-m...	18.30	7.8	ng/ul	120246	4	17.43	307010	20.0
Anthracene, 1-met...	18.49	9.7	ng/ul	148909	4	17.43	307010	20.0
Phenanthrene, 3-m...	18.53	5.2	ng/ul	80039	4	17.43	307010	20.0
5,16[1',2']:8,13[...	18.80	4.0	ng/ul	61530	4	17.43	307010	20.0
9,10-Anthracenedione	18.85	5.4	ng/ul	83202	4	17.43	307010	20.0
Phenanthrene, 2,5...	19.04	3.9	ng/ul	60229	4	17.43	307010	20.0
Phenanthrene, 1,7...	19.09	3.5	ng/ul	53463	4	17.43	307010	20.0
Phenanthrene, 2,3...	19.13	2.9	ng/ul	43709	4	17.43	307010	20.0
di-p-Tolylacetylene	19.22	11.0	ng/ul	168832	4	17.43	307010	20.0
9,10-Dimethylanth...	19.27	3.3	ng/ul	51340	4	17.43	307010	20.0
unknown-02	19.53	2.4	ng/ul	36818	4	17.43	307010	20.0
unknown-03	19.91	2.3	ng/ul	84858	5	21.70	749505	20.0
Pyrene, 1-methyl-	20.17	3.8	ng/ul	140846	5	21.70	749505	20.0
Fluoranthene, 2-m...	20.33	5.5	ng/ul	207421	5	21.70	749505	20.0
11H-Benzo[a]fluor...	21.10	2.1	ng/ul	79829	5	21.70	749505	20.0