LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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	3.056	32	37	41	rBV	12576	21118	3.43%	0.356%
2	3.132	46	50	55	rVB	13895	20005	3.25%	0.337%
3	3.949	185	189	195	rVB	4084	5596	0.91%	0.094%
4	7.216	737	745	752	rBV3	1979	4341	0.70%	0.073%
5	7.368	767	771	778	rVB2	2709	4730	0.77%	0.080%
6	7.574	803	806	811	rBV3	2992	4536	0.74%	0.076%
7	8.044	880	886	892	rBV	55302	93787	15.21%	1.581%
8	8.767	1004	1009	1017	rBB2	2497	4105	0.67%	0.069%
9	9.225	1081	1087	1090	rBV3	2547	5015	0.81%	0.085%
10	10.488	1298	1302	1310	rBB3	2351	5288	0.86%	0.089%
11	10.859	1358	1365	1372	rBV	82493	145286	23.57%	2.450%
12	14.002	1894	1900	1905	rBB3	3915	5838	0.95%	0.098%
13	14.078	1909	1913	1918	rVV	10341	16240	2.63%	0.274%
14	14.125	1918	1921	1926	rVB2	4983	6741	1.09%	0.114%
15	14.378	1958	1964	1971	rBV	11248	18794	3.05%	0.317%
16	14.683	2006	2016	2023	rBV2	137248	225115	36.52%	3.795%
17	14.748	2023	2027	2033	rVB2	4031	6277	1.02%	0.106%
18	15.071	2076	2082	2089	rBB2	5823	9106	1.48%	0.154%
19	15.153	2089	2096	2101	rBV3	5491	8524	1.38%	0.144%
20	15.289	2113	2119	2124	rBV3	4443	8381	1.36%	0.141%
21	15.347	2124	2129	2135	rVB	3471	4263	0.69%	0.072%
22	15.494	2152	2154	2159	rVB2	3197	4102	0.67%	0.069%
23	15.676	2180	2185	2189	rVV2	17116	27296	4.43%	0.460%
24	15.723	2189	2193	2201	rVV4	6999	13717	2.23%	0.231%
25	15.853	2213	2215	2219	rVV	2849	4054	0.66%	0.068%
26	16.011	2236	2242	2249	rVB6	2772	8459	1.37%	0.143%
27	16.170	2265	2269	2275	rVB	3548	5690	0.92%	0.096%
28	16.393	2304	2307	2314	rVB4	5998	9457	1.53%	0.159%
29	16.728	2354	2364	2369	rBV7	6765	15940	2.59%	0.269%
30	16.781	2369	2373	2377	rVB3	6359	8164	1.32%	0.138%
31	16.881	2386	2390	2393	rVB3	4873	5967	0.97%	0.101%
32	16.957	2395	2403	2407	rBV4	4304	10766	1.75%	0.182%
33	17.081	2420	2424	2429	rBV4	7153	10645	1.73%	0.179%
34	17.157	2432	2437	2442	rVV5	5956	10497	1.70%	0.177%

LSC Area Percent Report

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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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	17.245	2448	2452	2464	rVB	9242	14886	2.41%	0.251%
36	17.427	2477	2483	2487	rBV2	187472	293028	47.53%	4.940%
37	17.468	2487	2490	2496	rVB	121958	172315	27.95%	2.905%
38	17.527	2496	2500	2503	rBV	18613	26547	4.31%	0.448%
39	17.562	2503	2506	2510	rVB	13722	16895	2.74%	0.285%
40	17.609	2510	2514	2515	rBV2	4257	5446	0.88%	0.092%
41	17.833	2546	2552	2553	rBV2	6937	9209	1.49%	0.155%
42	17.886	2559	2561	2567	rVB4	3991	5968	0.97%	0.101%
43	17.944	2567	2571	2574	rVV	7212	8423	1.37%	0.142%
44	18.009	2577	2582	2590	rVB2	17183	28033	4.55%	0.473%
45	18.156	2602	2607	2612	rVB3	8267	15504	2.51%	0.261%
46	18.226	2614	2619	2623	rBV3	3994	6887	1.12%	0.116%
47	18.303	2627	2632	2636	rVV	59917	86672	14.06%	1.461%
48	18.350	2636	2640	2646	rVB	73224	106892	17.34%	1.802%
49	18.432	2648	2654	2659	rBV3	13563	24082	3.91%	0.406%
50	18.491	2659	2664	2669	rVV2	61758	122859	19.93%	2.071%
51	18.532	2669	2671	2677	rVB	46885	59962	9.73%	1.011%
52	18.696	2694	2699	2704	rVB2	9275	12811	2.08%	0.216%
53	18.743	2704	2707	2711	rBV5	2899	5038	0.82%	0.085%
54	18.796	2711	2716	2720	rBV2	32018	48176	7.81%	0.812%
55	18.849	2720	2725	2734	rVB2	29413	53597	8.69%	0.904%
56	18.920	2734	2737	2739	rBV3	6364	7220	1.17%	0.122%
57	19.014	2749	2753	2755	rBV4	9927	13408	2.17%	0.226%
58	19.043	2755	2758	2762	rVB	21698	26810	4.35%	0.452%
59	19.090	2762	2766	2770	rBV	27637	34348	5.57%	0.579%
60	19.131	2770	2773	2777	rVB2	20245	26428	4.29%	0.446%
61	19.213	2781	2787	2792	rBV	72375	118302	19.19%	1.995%
62	19.266	2792	2796	2800	rBV4	22761	42188	6.84%	0.711%
63	19.366	2806	2813	2823	rVB8	27246	80411	13.04%	1.356%
64	19.478	2824	2832	2838	rBV	234693	323360	52.45%	5.452%
65	19.537	2838	2842	2845	rVV2	20839	30080	4.88%	0.507%
66	19.572	2845	2848	2854	rVB2	21512	27991	4.54%	0.472%
67	19.678	2863	2866	2869	rVB3	9063	9910	1.61%	0.167%
68	19.713	2869	2872	2876	rBV3	12546	18823	3.05%	0.317%
69	19.813	2883	2889	2890	rBV2	61047	81004	13.14%	1.366%
70	19.842	2890	2894	2901	rVB	274440	404303	65.58%	6.817%
71	19.907	2901	2905	2911	rVB2	40484	65538	10.63%	1.105%

LSC Area Percent Report

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Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

72	19.995	2911	2920	2922	rBV5	13433	34529	5.60%	0.582%
73	20.071	2929	2933	2939	rVB4	16735	30860	5.01%	0.520%
74	20.171	2942	2950	2957	rBV5	39566	107079	17.37%	1.805%
75	20.330	2967	2977	2985	rVB	60671	153608	24.92%	2.590%
76	20.430	2986	2994	2998	rBV2	37635	64684	10.49%	1.091%
77	20.488	3000	3004	3008	rVB	53073	73697	11.95%	1.243%
78	20.629	3024	3028	3032	rBV	55224	76020	12.33%	1.282%
79	20.676	3032	3036	3039	rVV	40847	51981	8.43%	0.876%
80	20.882	3068	3071	3074	rBV3	18261	24559	3.98%	0.414%
81	21.094	3103	3107	3113	rVB	41367	67698	10.98%	1.141%
82	21.188	3120	3123	3128	rVB2	16748	25184	4.09%	0.425%
83	21.282	3130	3139	3142	rBV3	44026	97421	15.80%	1.643%
84	21.317	3142	3145	3149	rVB	29506	42171	6.84%	0.711%
85	21.370	3151	3154	3159	rBV3	16837	28478	4.62%	0.480%
86	21.699	3202	3210	3215	rBV2	261764	616471	100.00%	10.394%
87	21.746	3215	3218	3230	rVB	127700	231659	37.58%	3.906%
88	21.852	3232	3236	3241	rVB3	15791	27728	4.50%	0.467%
89	21.904	3241	3245	3248	rBV4	16329	26763	4.34%	0.451%
90	22.175	3288	3291	3296	rBV5	11678	17989	2.92%	0.303%
91	22.510	3344	3348	3354	rVB	27565	49270	7.99%	0.831%
92	22.709	3378	3382	3387	rBV4	21195	40407	6.55%	0.681%
93	23.926	3581	3589	3596	rBV3	59491	202260	32.81%	3.410%
94	24.642	3705	3711	3712	rBV4	39453	54406	8.83%	0.917%
95	24.801	3731	3738	3747	rVB2	60689	170417	27.64%	2.873%
96	24.954	3755	3764	3773	rBV2	112601	311305	50.50%	5.249%
97	26.017	3943	3945	3947	rBV2	6657	7361	1.19%	0.124%
98	28.679	4389	4398	4412	rVB3	23742	96603	15.67%	1.629%
99	29.125	4472	4474	4476	rBV3	3949	4692	0.76%	0.079%
100	31.646	4901	4903	4910	rBV7	2074	4718	0.77%	0.080%

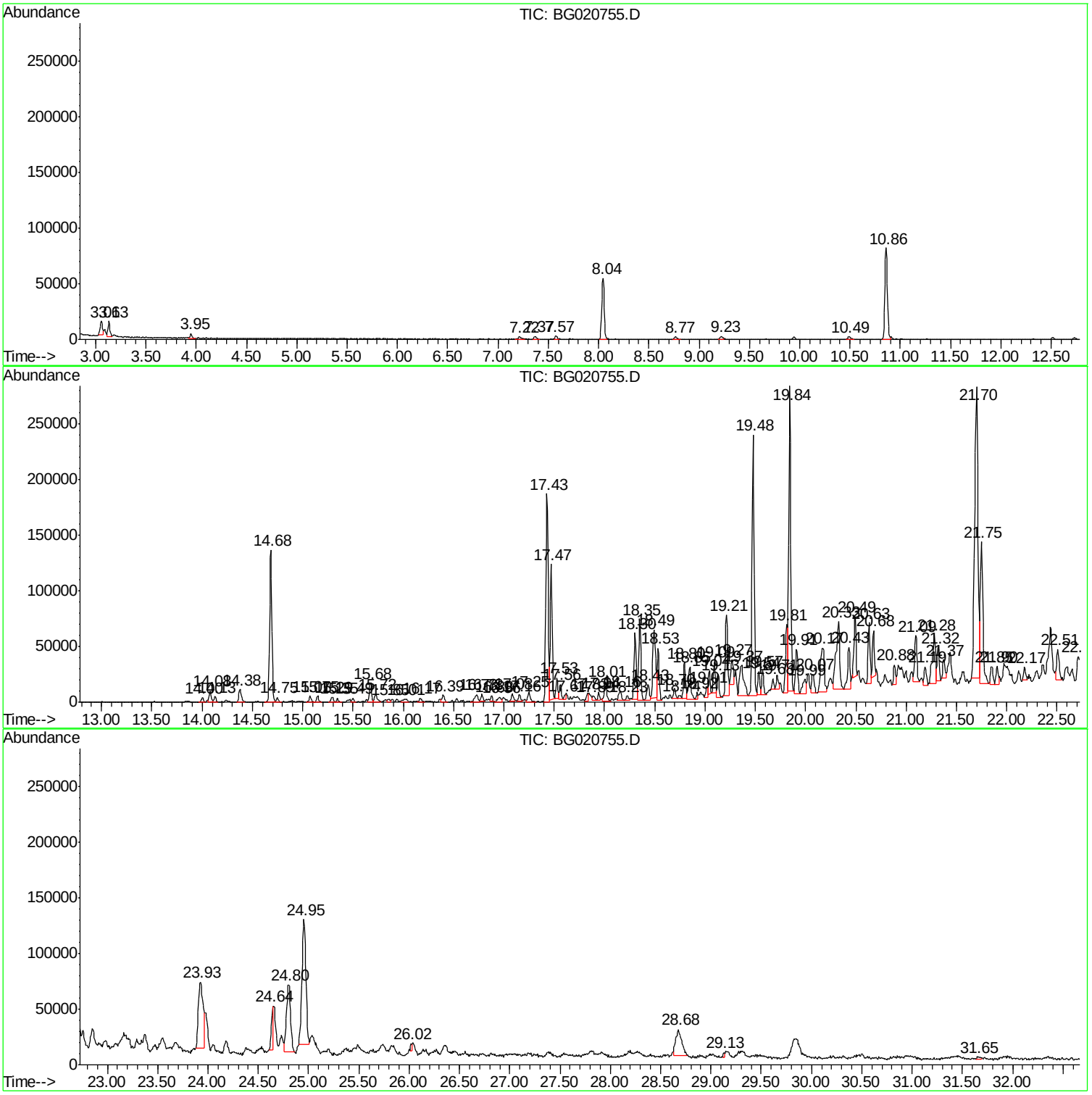
Sum of corrected areas: 5931212

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC9F8

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
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Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
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Instrument : BNA_G
ClientSampleId : BC9F8

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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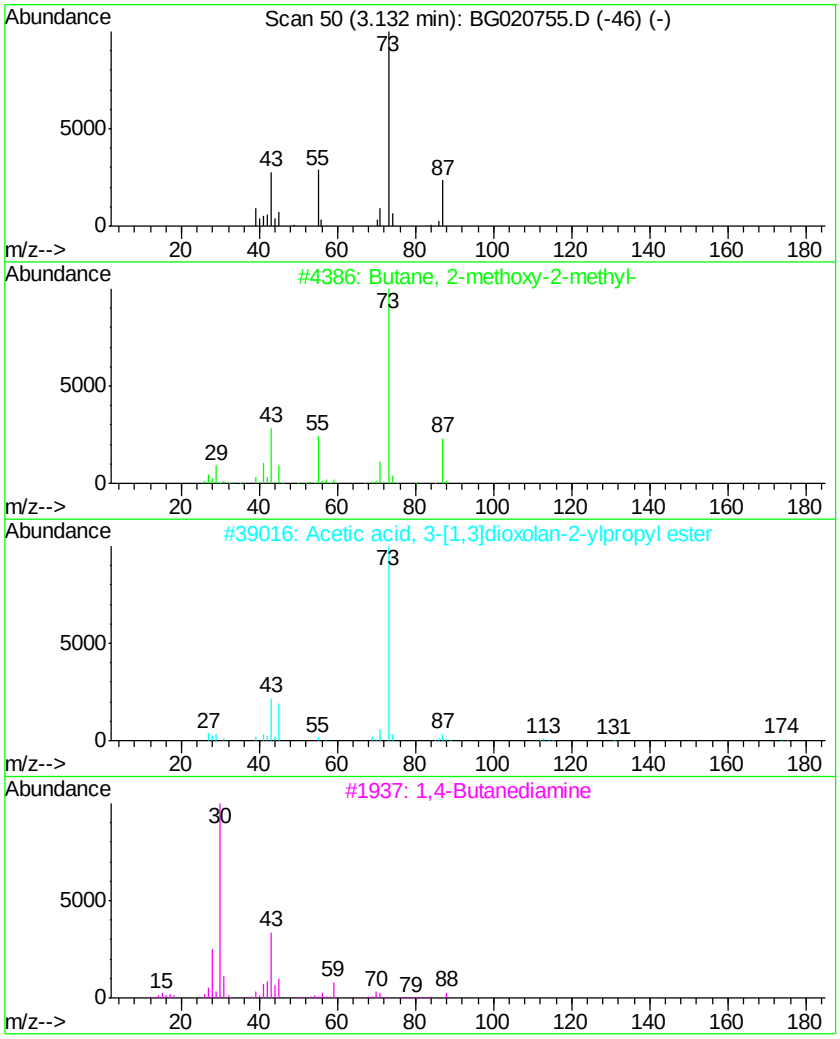
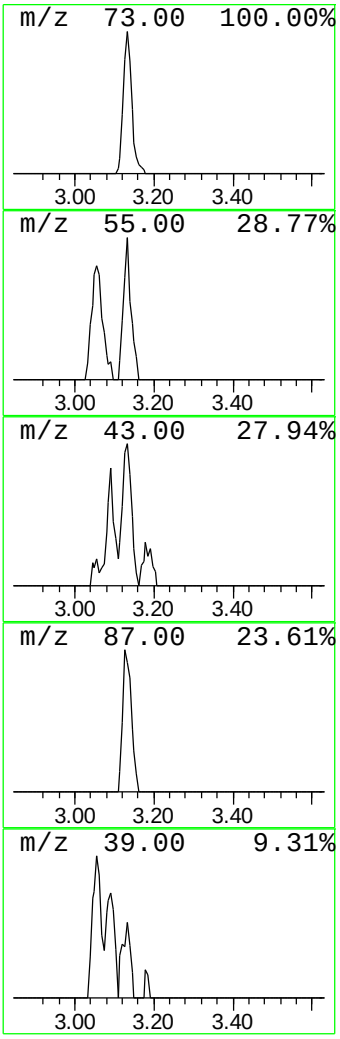
Peak Number 2 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	4.27 ng/ul	20005	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	40
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	23
3	1,4-Butanediamine	88	C4H12N2	000110-60-1	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	7
5	1,3-Dioxolane	74	C3H6O2	000646-06-0	7





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

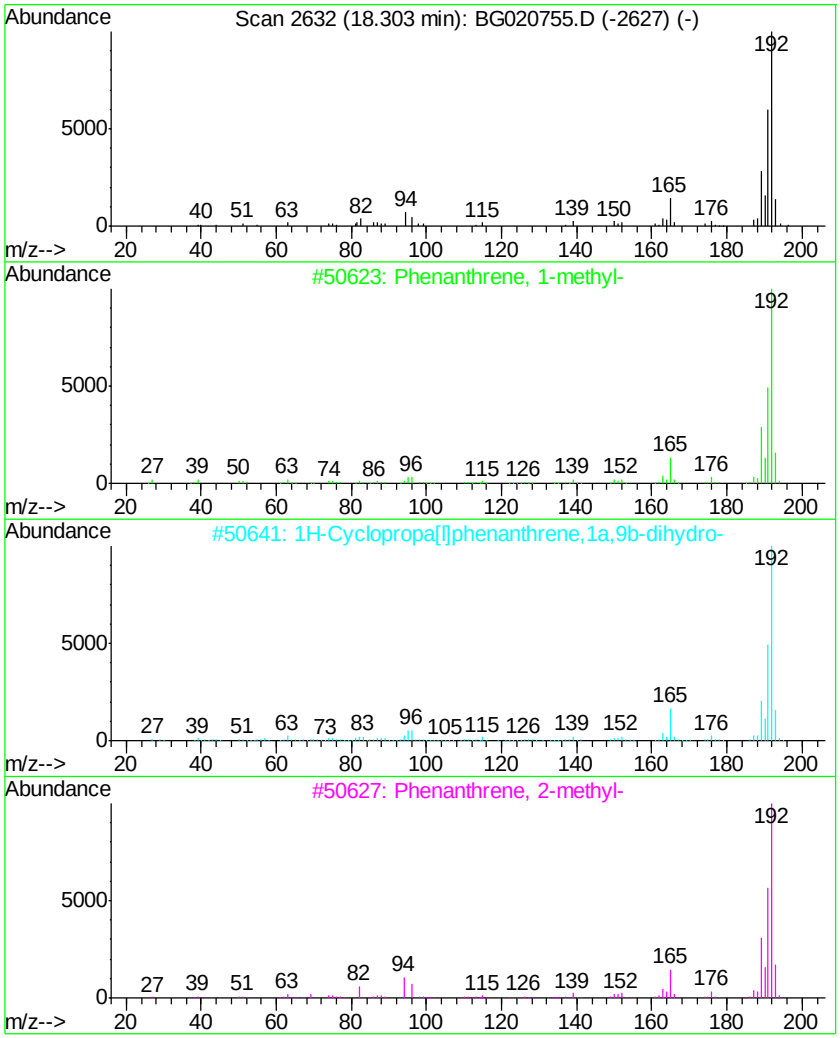
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

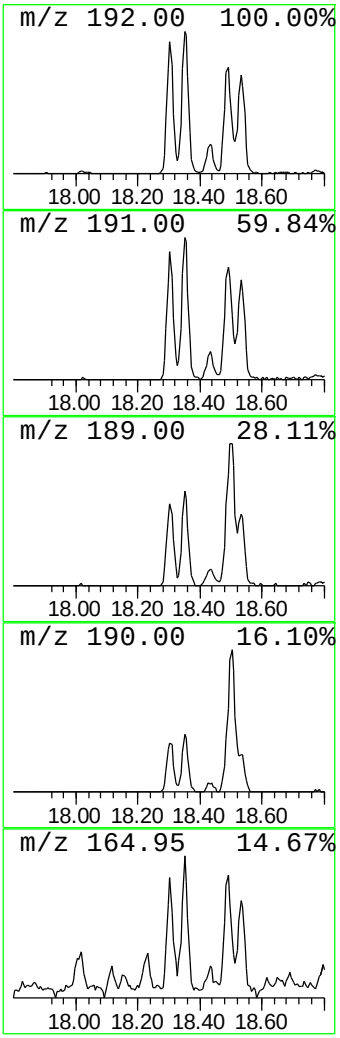
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	5.92 ng/ul	86672	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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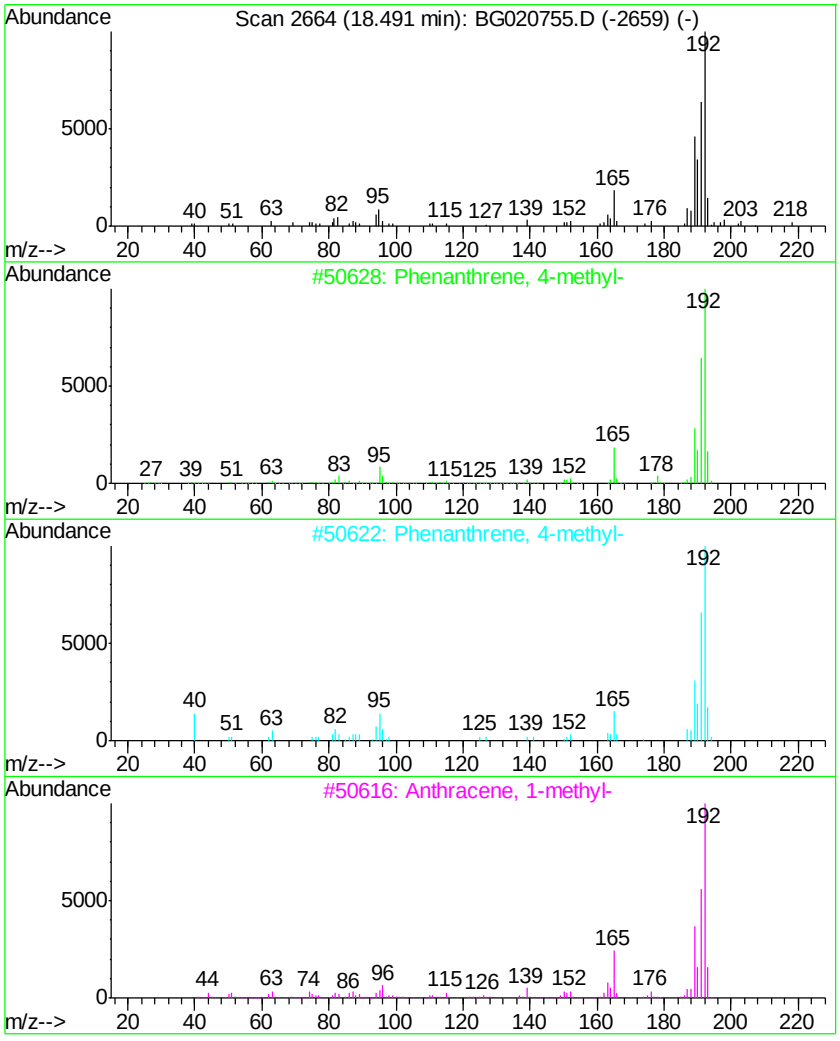
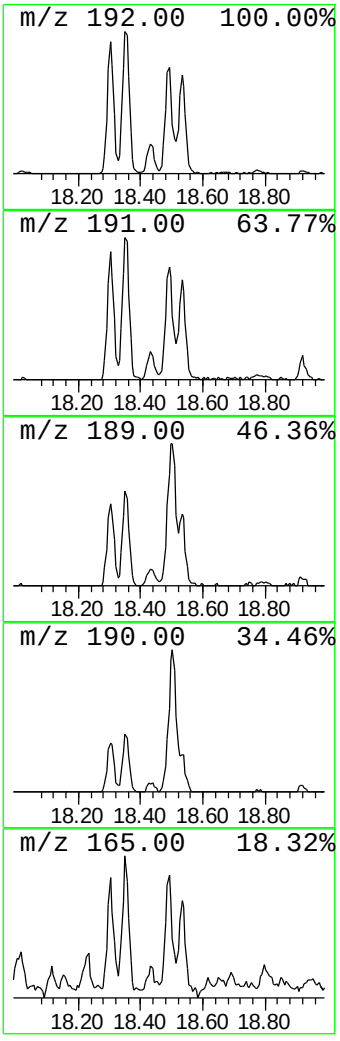
Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	8.39 ng/ul	122859	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

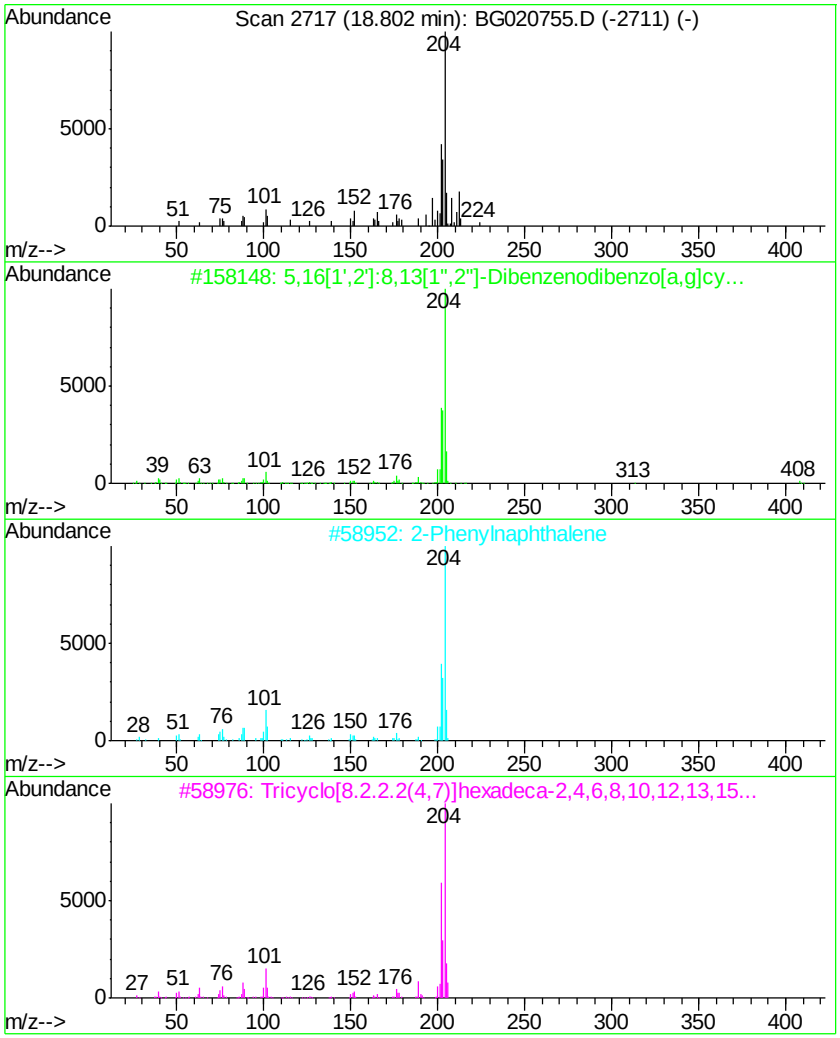
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

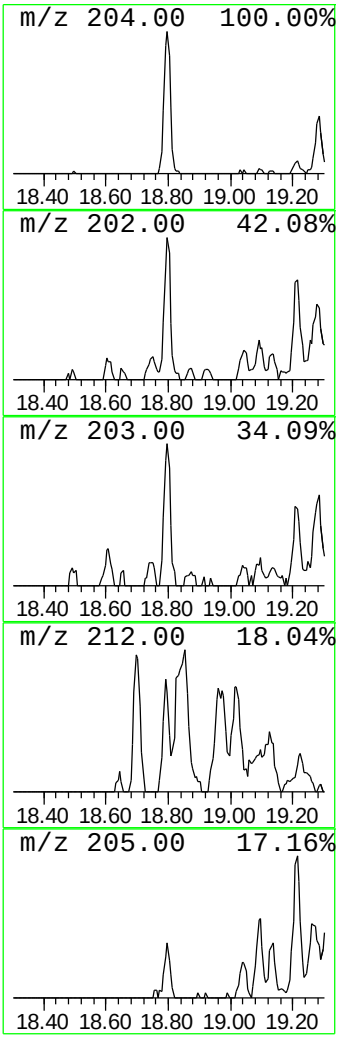
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.29 ng/ul	48176	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	53
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	50
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
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Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

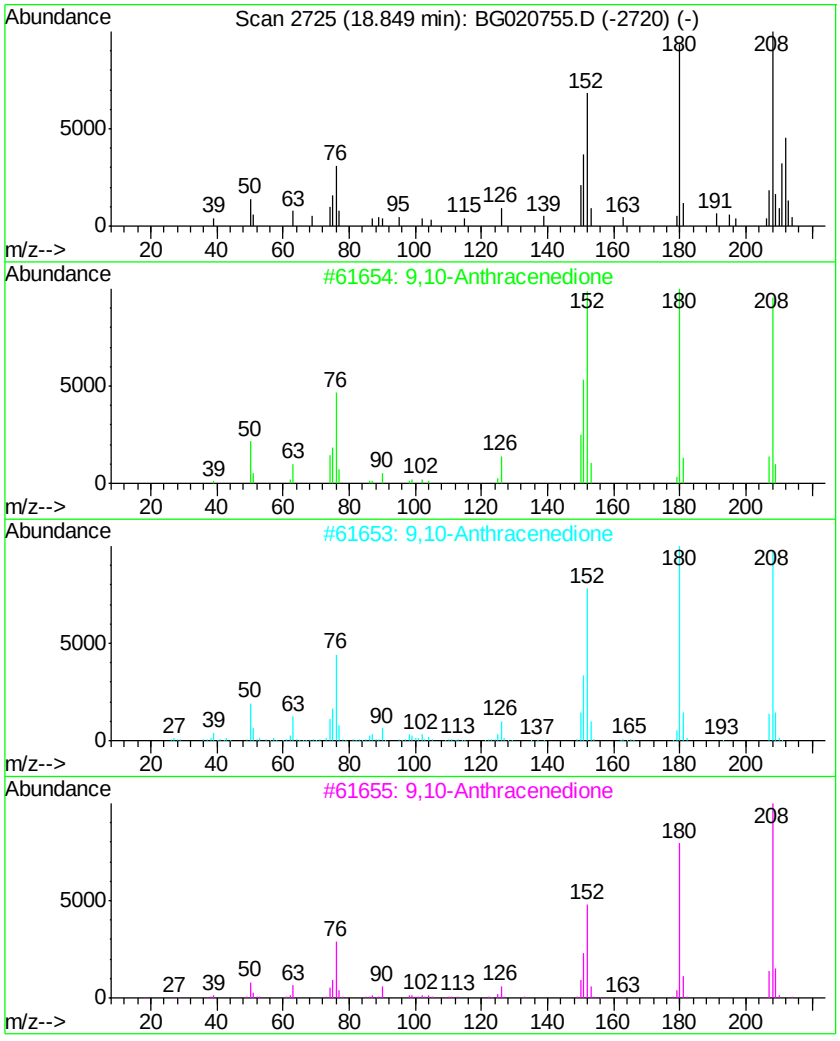
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

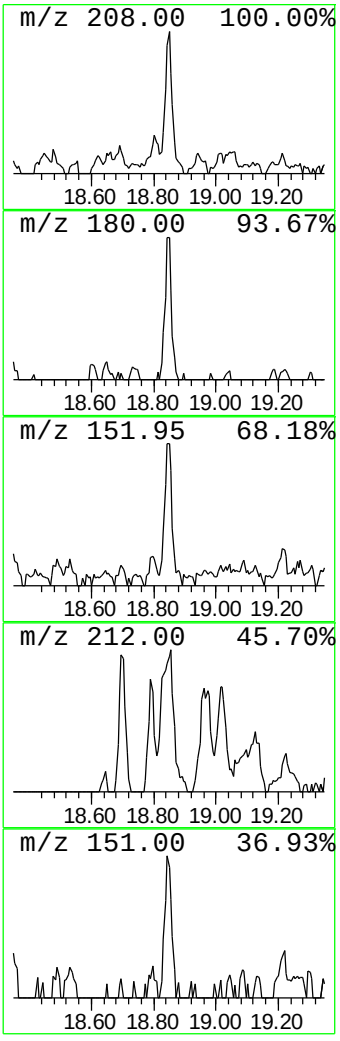
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.66 ng/ul	53597	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	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	45
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

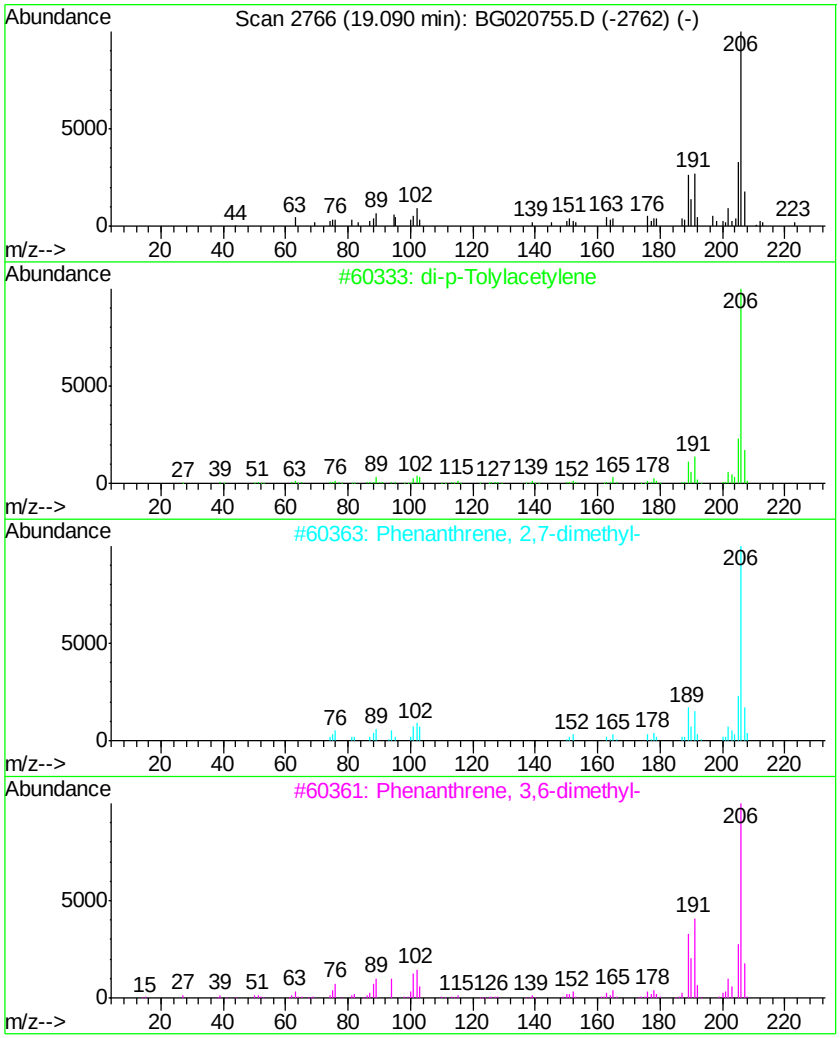
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

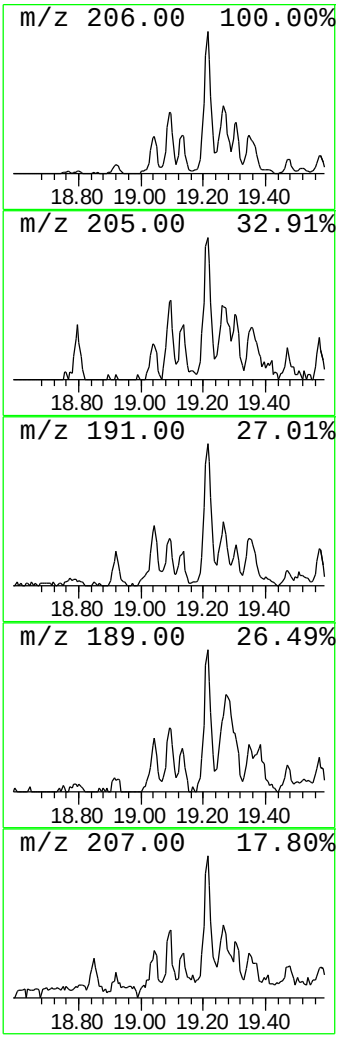
****

Peak Number 9 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.34 ng/ul	34348	Phenanthrene-d10	17.43

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	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

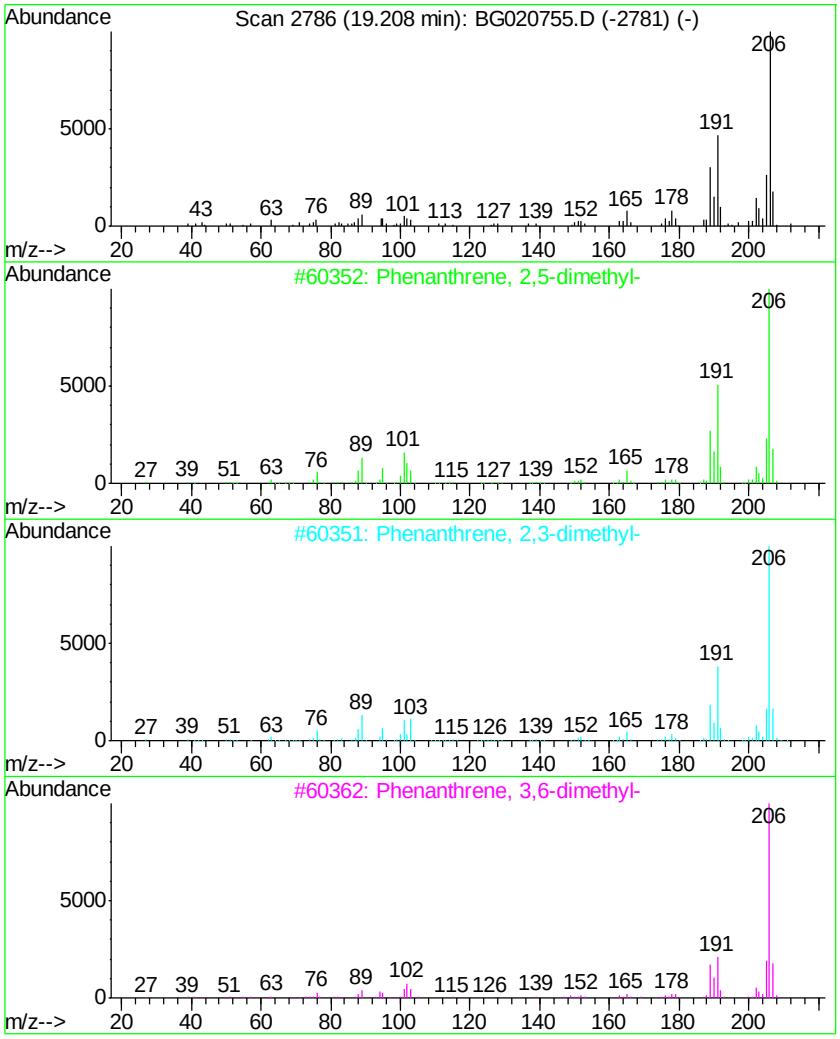
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

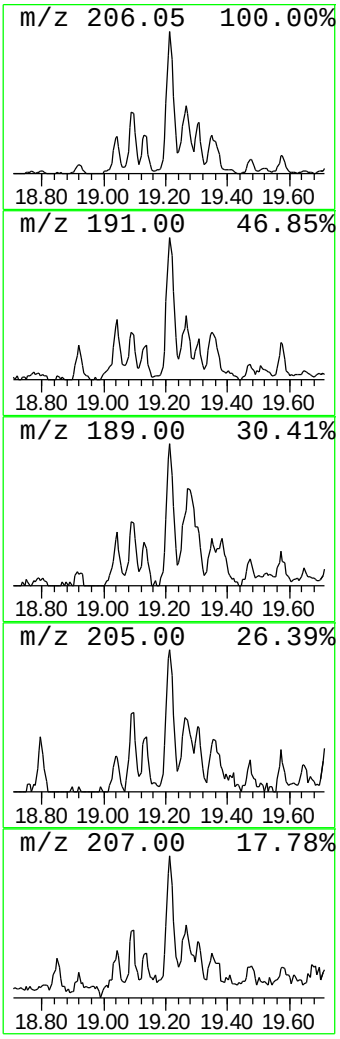
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	8.07 ng/ul	118302	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

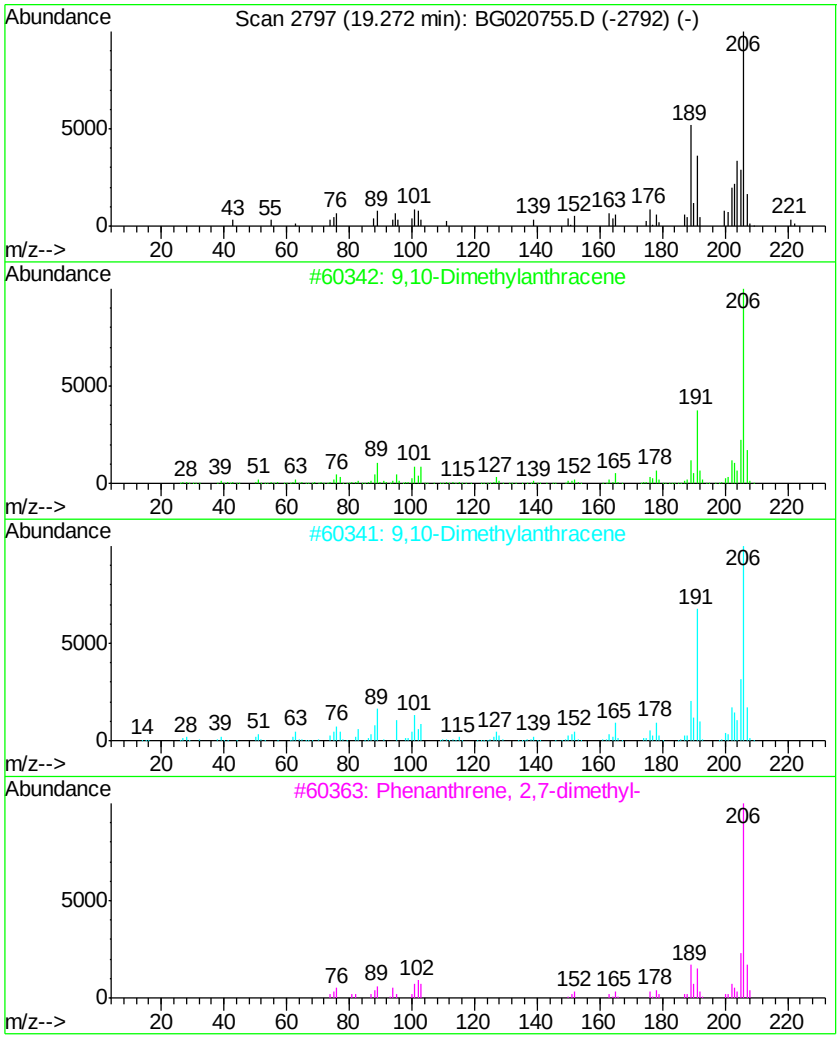
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

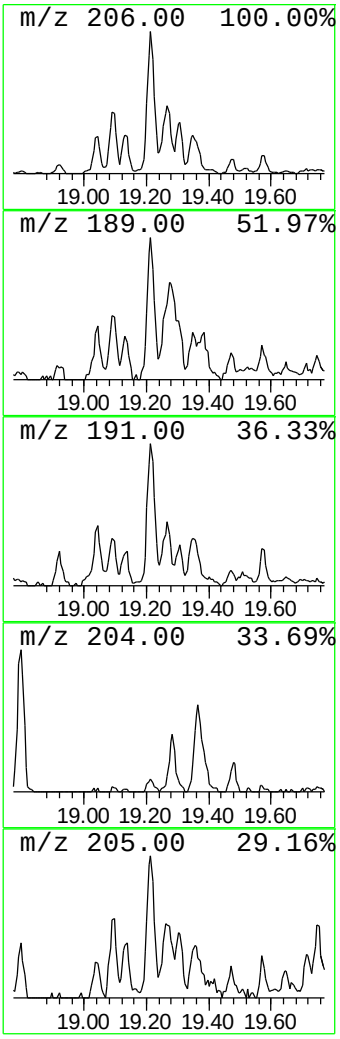
****

Peak Number 11 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.88 ng/ul	42188	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

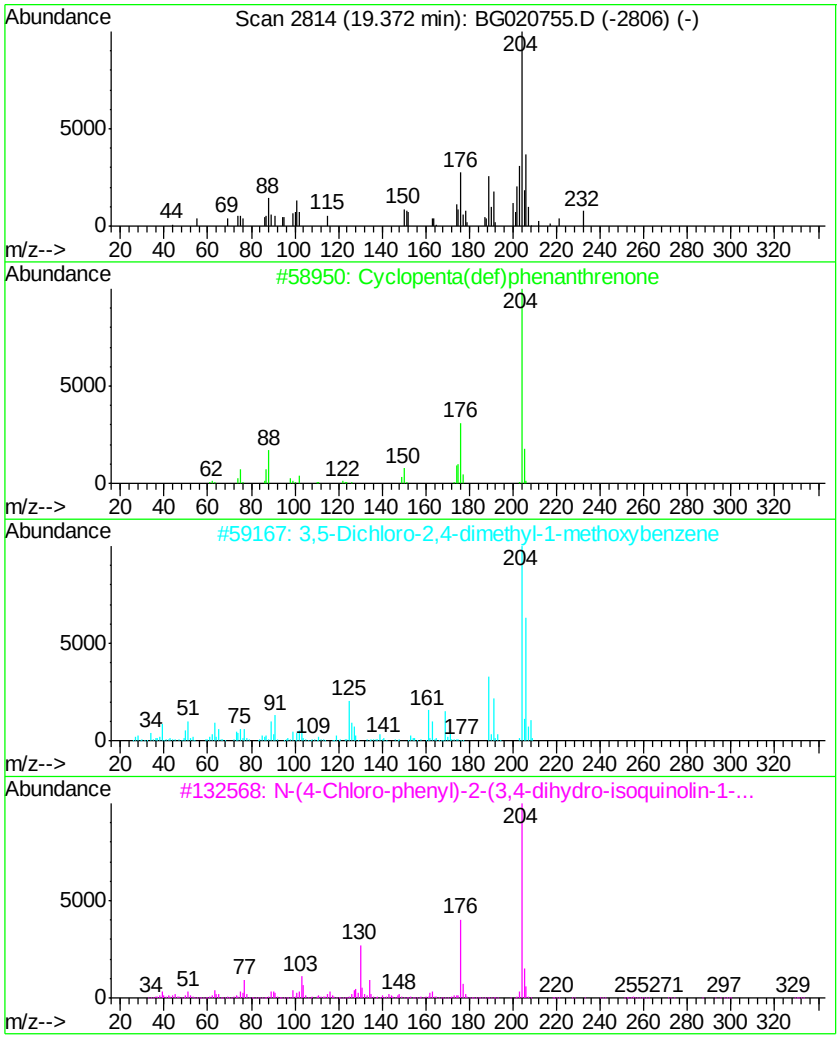
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

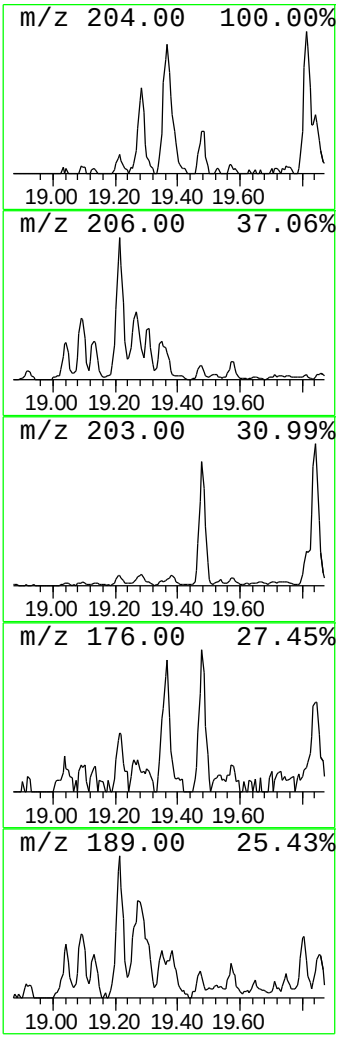
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	5.49 ng/ul	80411	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	47
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	43
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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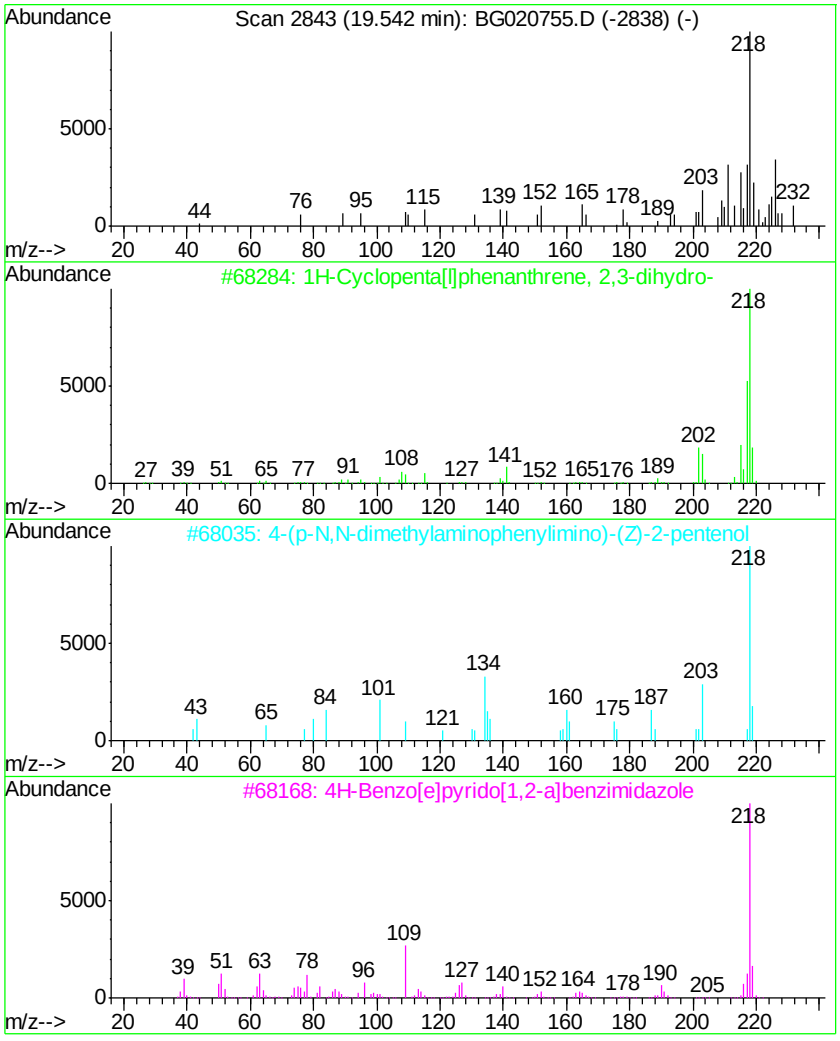
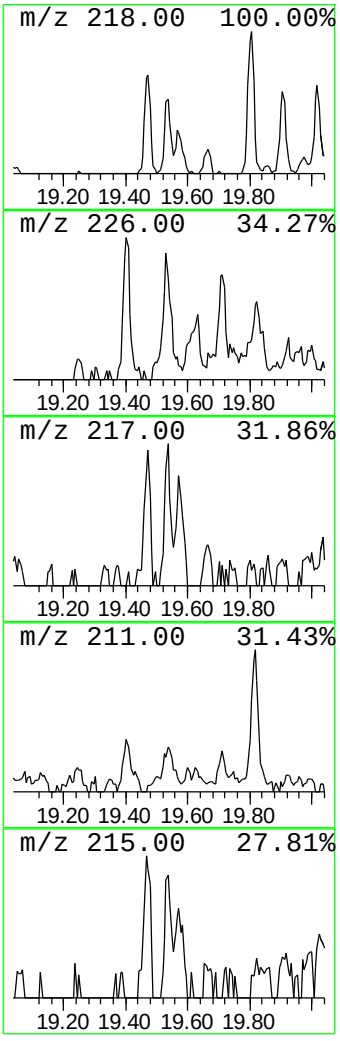
Peak Number 13 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	2.05 ng/ul	30080	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	4-(p-N,N-dimethylaminophenylimin...	218	C13H18N2O	1000100-07-8	43
3	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	38
4	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	38
5	1H-Benzo[a]perimidine	218	C15H10N2	000200-42-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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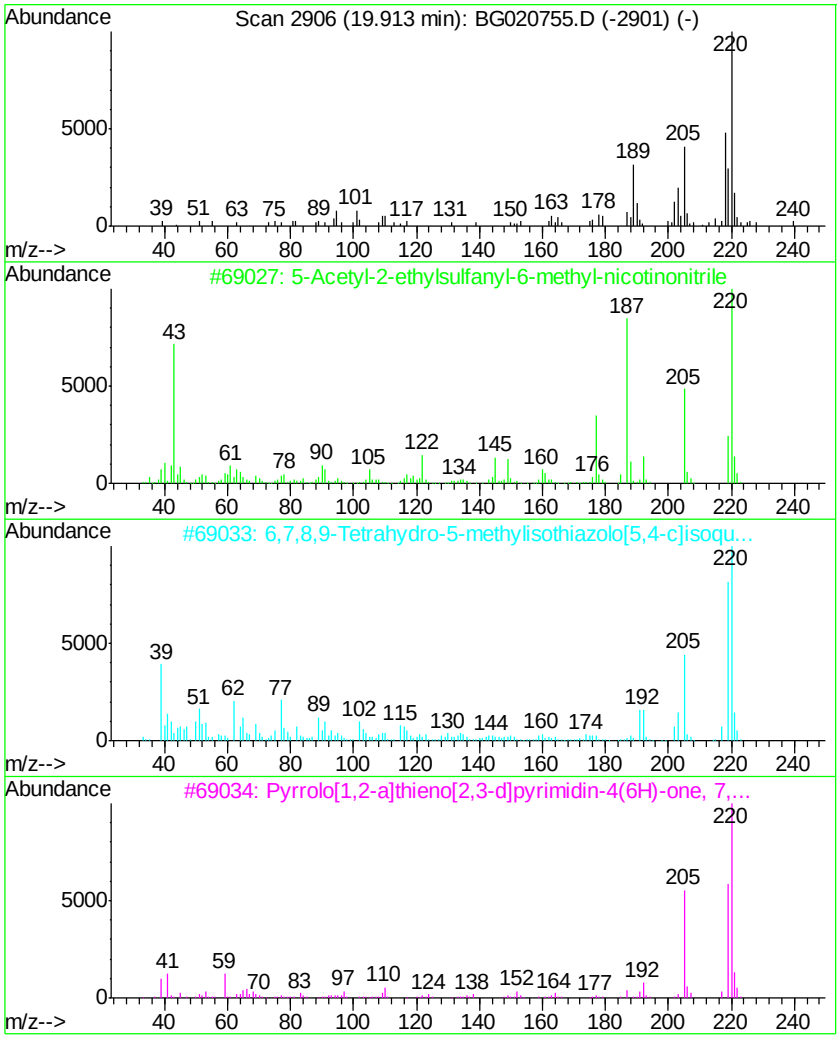
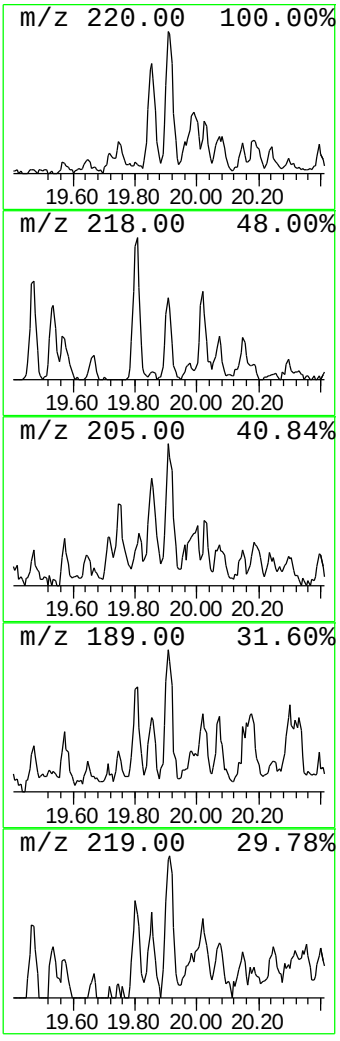
Peak Number 14 5-Acetyl-2-ethylsulfanyl-6-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.13 ng/ul	65538	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Acetyl-2-ethylsulfanyl-6-methy...	220	C11H12N2OS	303146-26-1	52
2	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	49
3	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	49
4	5-Methyl-2,1,3-benzothiadiazole-...	220	C10H12N4S	313241-49-5	47
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

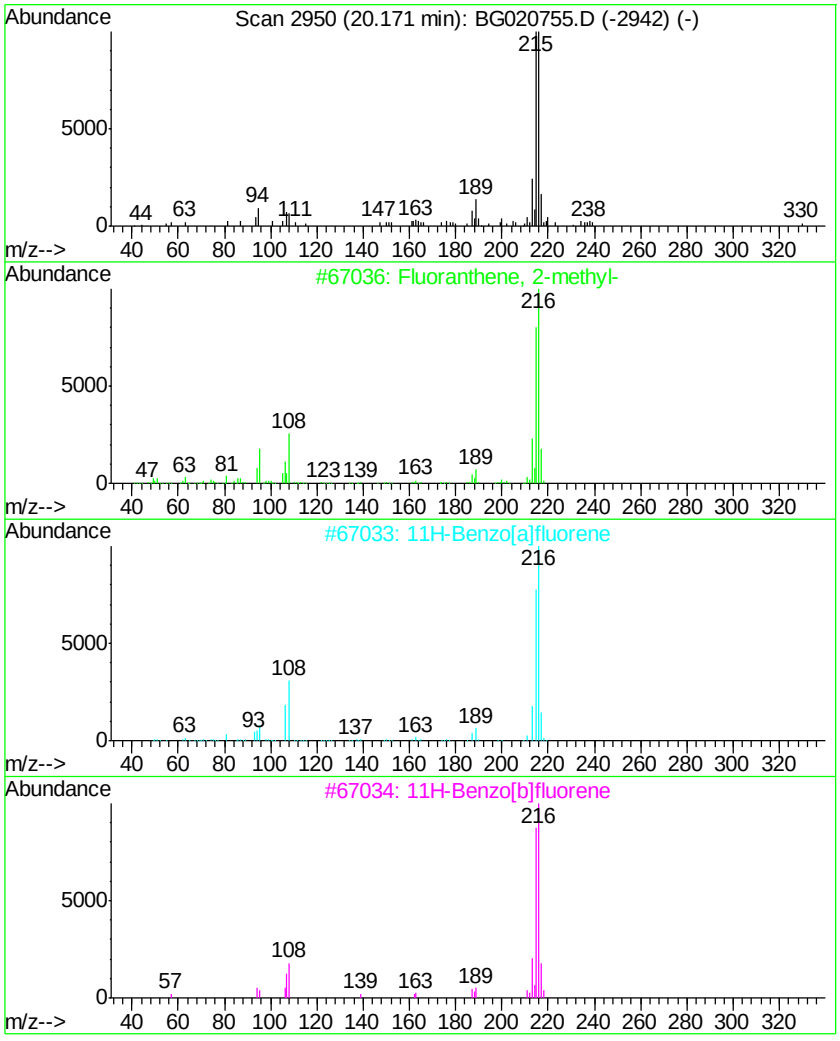
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

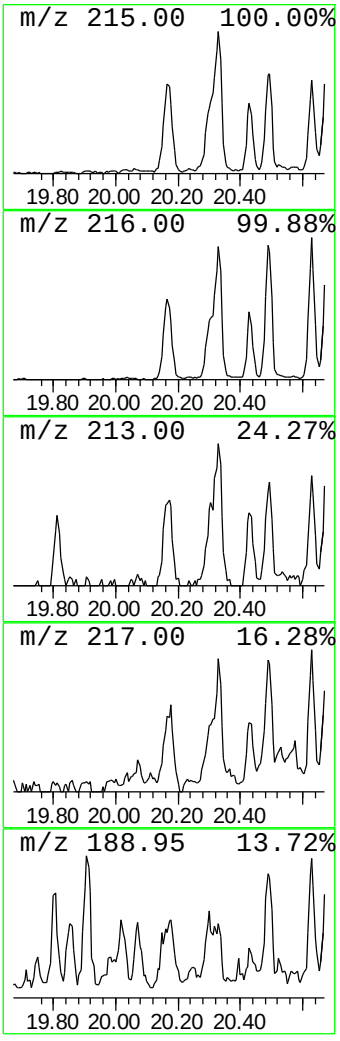
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.47 ng/ul	107079	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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

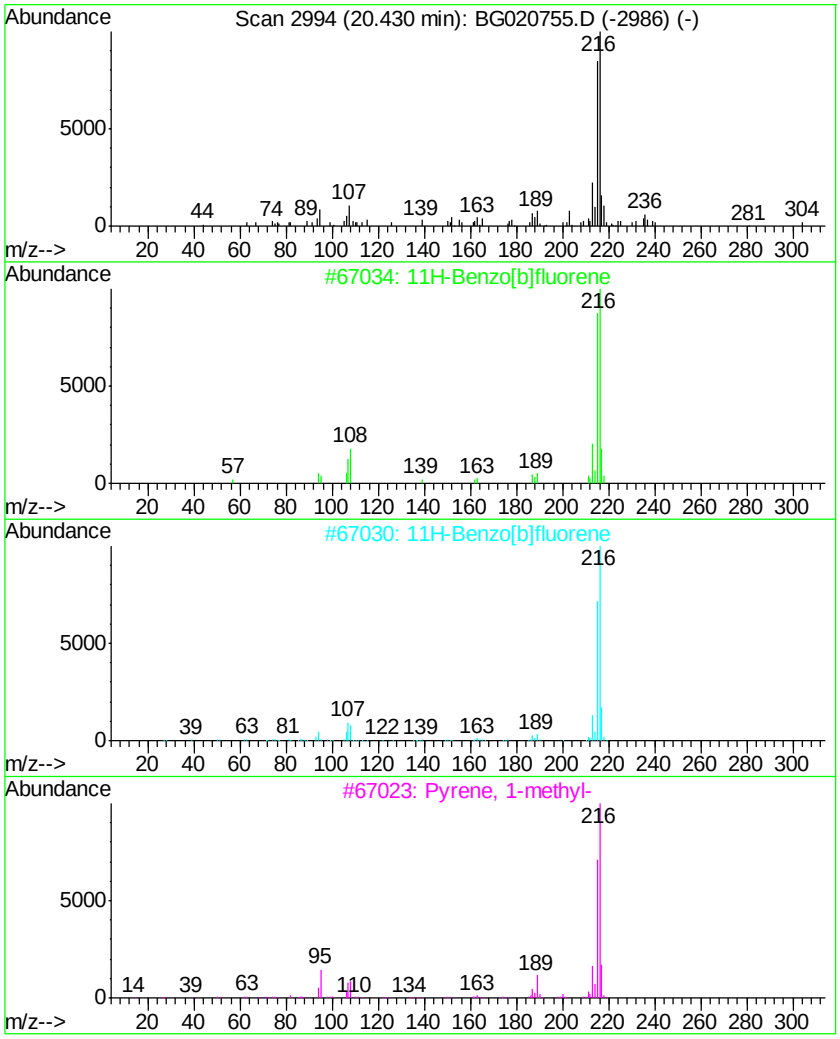
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

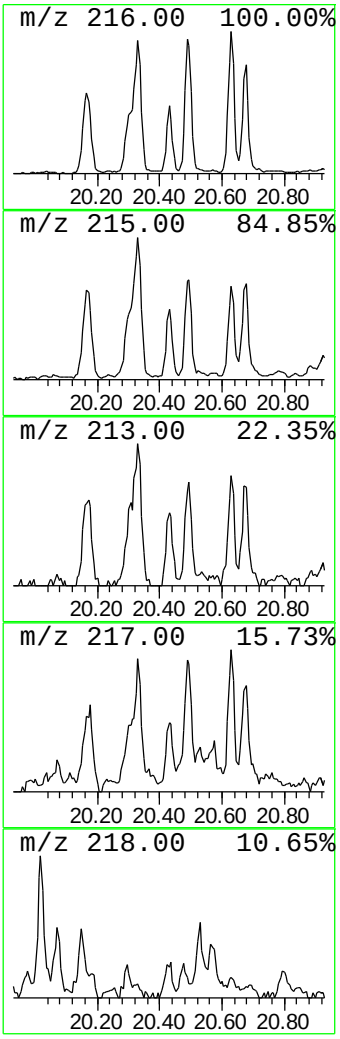
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.10 ng/ul	64684	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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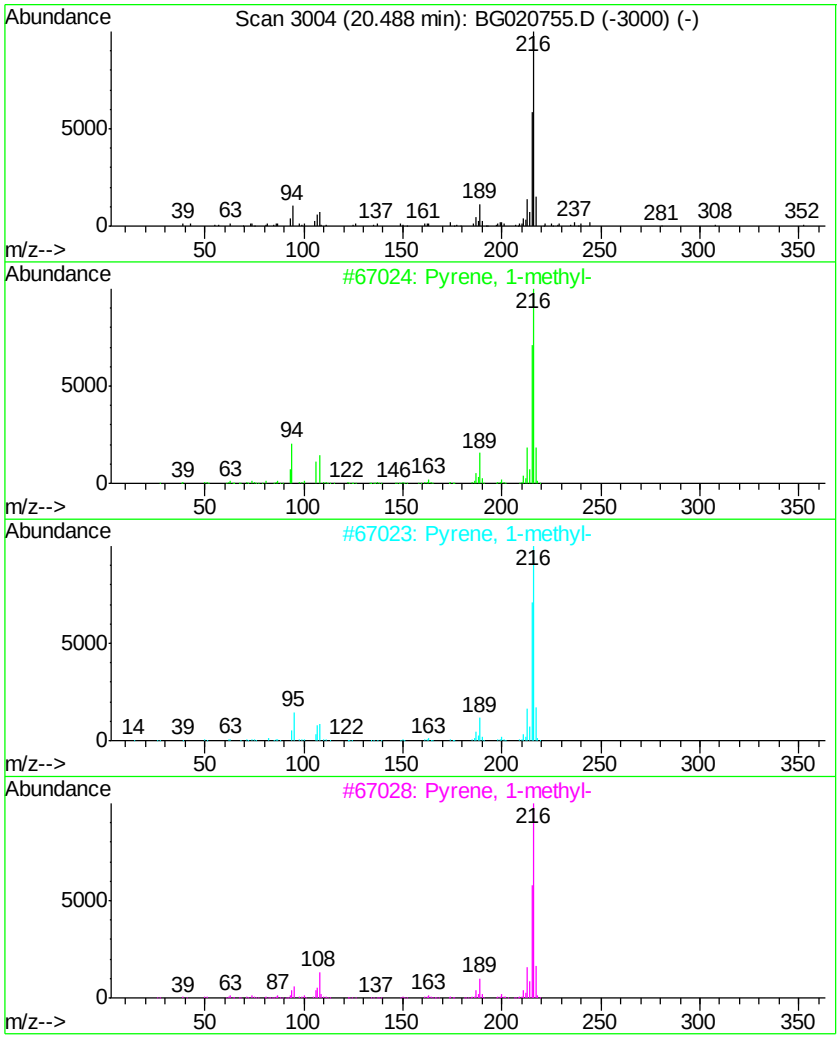
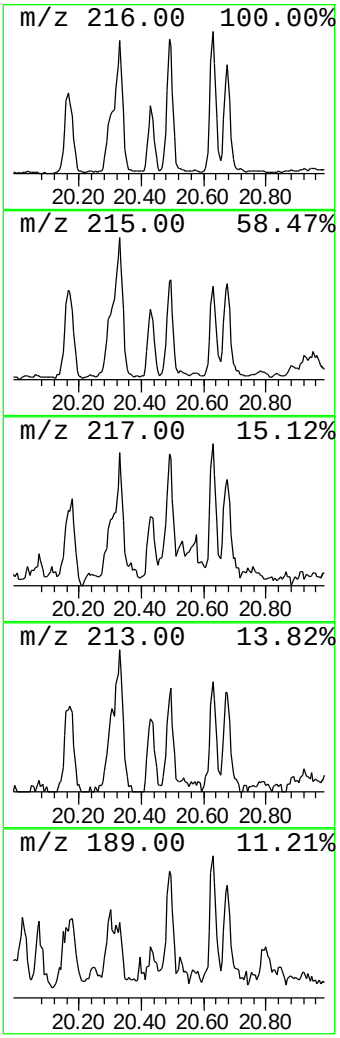
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.39 ng/ul	73697	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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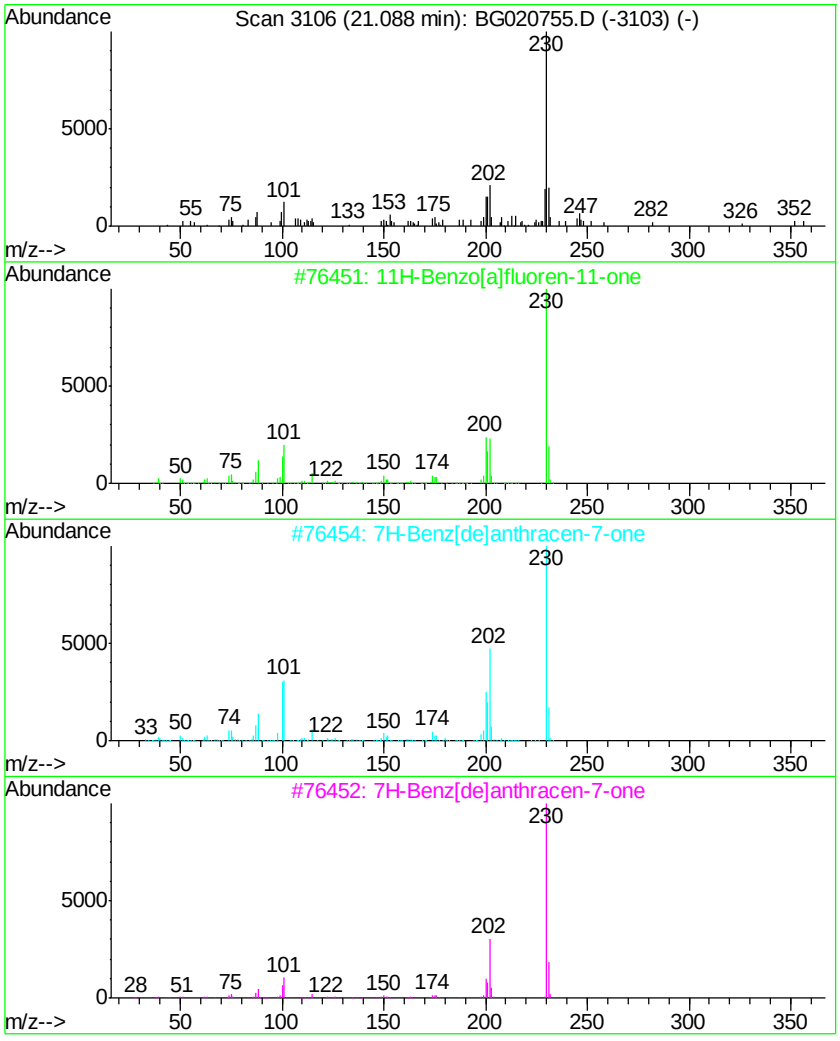
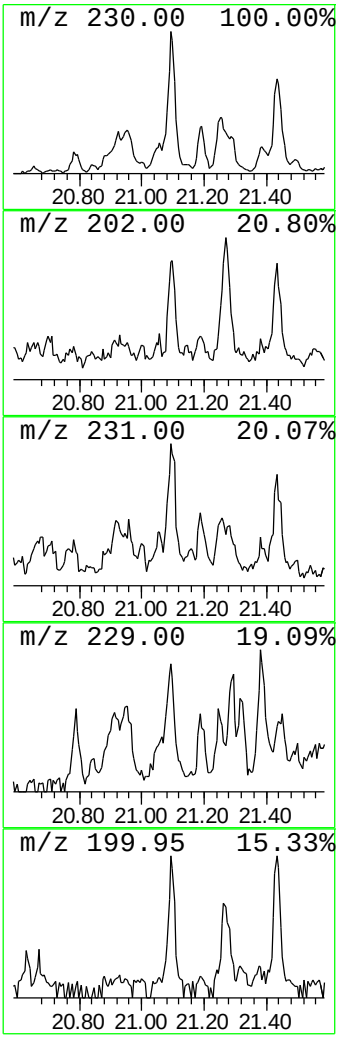
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.20 ng/ul	67698	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	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	Benzo[g]pteridine, 2,4-diamino-6...	230	C11H14N6	063630-26-2	72





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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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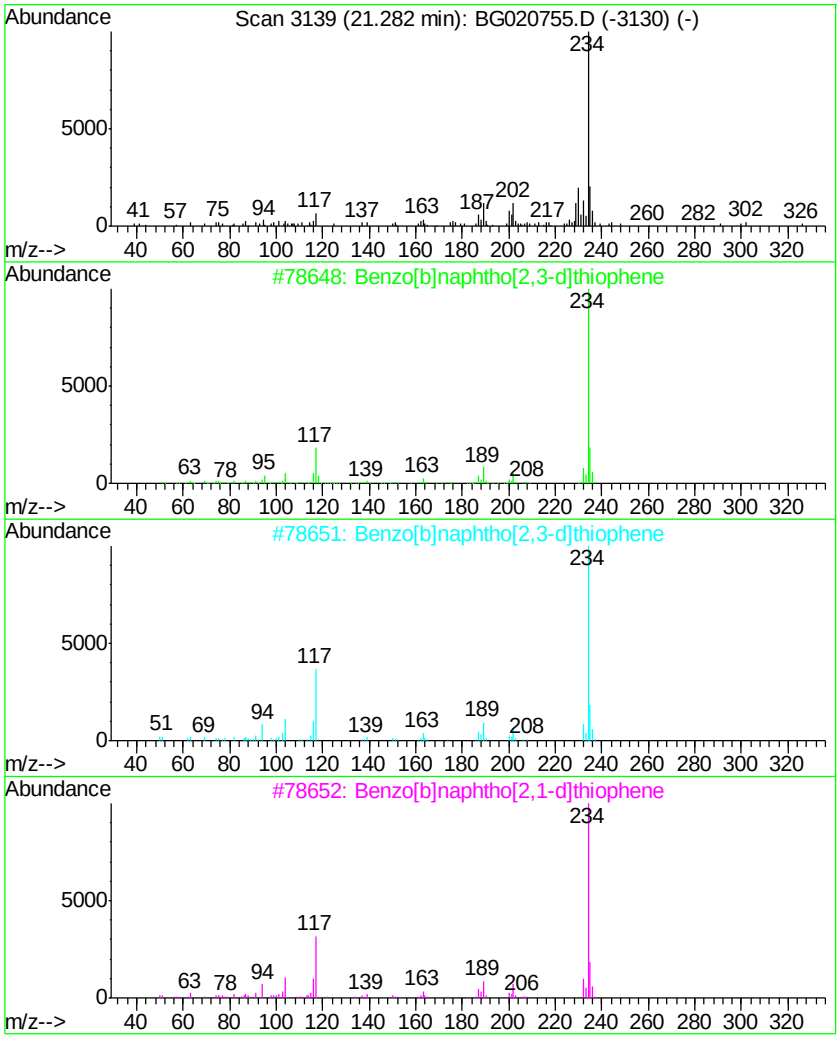
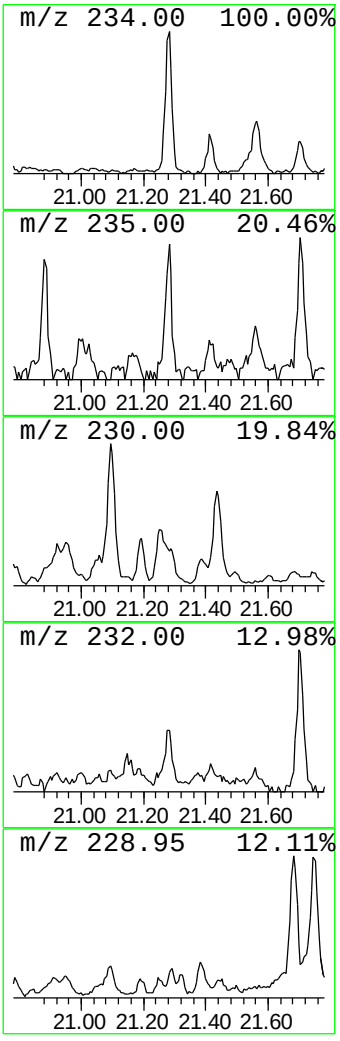
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	3.16 ng/ul	97421	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020755.D
Acq On : 15 Jan 2016 16:41
Operator : SJ/IZ
Sample : H1101-17 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F8

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	4.3	ng/ul	20005	1	8.04	93787	20.0
Phenanthrene, 1-m...	18.30	5.9	ng/ul	86672	4	17.43	293028	20.0
Phenanthrene, 4-m...	18.49	8.4	ng/ul	122859	4	17.43	293028	20.0
5,16[1',2']:8,13[...	18.80	3.3	ng/ul	48176	4	17.43	293028	20.0
9,10-Anthracenedione	18.85	3.7	ng/ul	53597	4	17.43	293028	20.0
di-p-Tolylacetylene	19.09	2.3	ng/ul	34348	4	17.43	293028	20.0
Phenanthrene, 2,5...	19.21	8.1	ng/ul	118302	4	17.43	293028	20.0
9,10-Dimethylanth...	19.27	2.9	ng/ul	42188	4	17.43	293028	20.0
Cyclopenta(def)ph...	19.37	5.5	ng/ul	80411	4	17.43	293028	20.0
unknown-02	19.54	2.0	ng/ul	30080	4	17.43	293028	20.0
5-Acetyl-2-ethyls...	19.91	2.1	ng/ul	65538	5	21.70	616471	20.0
Fluoranthene, 2-m...	20.17	3.5	ng/ul	107079	5	21.70	616471	20.0
11H-Benzo[b]fluorene	20.43	2.1	ng/ul	64684	5	21.70	616471	20.0
Pyrene, 1-methyl-	20.49	2.4	ng/ul	73697	5	21.70	616471	20.0
11H-Benzo[a]fluor...	21.09	2.2	ng/ul	67698	5	21.70	616471	20.0
Benzo[b]naphtho[2...	21.28	3.2	ng/ul	97421	5	21.70	616471	20.0