LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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	30	36	45	rBV2	12719	26450	2.27%	0.161%
2	8.040	879	885	894	rBV	62458	104611	8.98%	0.635%
3	10.854	1358	1364	1371	rBV	88728	160346	13.76%	0.973%
4	14.374	1958	1963	1974	rBV3	13513	26596	2.28%	0.161%
5	14.679	2006	2015	2022	rBV2	156868	258726	22.20%	1.570%
6	14.744	2022	2026	2032	rVB	20008	28705	2.46%	0.174%
7	15.672	2180	2184	2189	rVV2	20948	30927	2.65%	0.188%
8	15.725	2189	2193	2204	rVB	24611	39936	3.43%	0.242%
9	16.389	2303	2306	2317	rVB5	12260	24585	2.11%	0.149%
10	16.730	2354	2364	2369	rBV4	14982	35227	3.02%	0.214%
11	16.953	2393	2402	2406	rBV6	10090	22668	1.94%	0.138%
12	17.082	2418	2424	2431	rBV2	17719	28827	2.47%	0.175%
13	17.153	2431	2436	2443	rBV4	13171	22250	1.91%	0.135%
14	17.247	2448	2452	2460	rVB	23451	35122	3.01%	0.213%
15	17.429	2476	2483	2486	rBV	215971	329197	28.24%	1.998%
16	17.470	2486	2490	2496	rVV	367329	529290	45.41%	3.212%
17	17.529	2496	2500	2502	rVV	23635	33999	2.92%	0.206%
18	17.558	2502	2505	2510	rVB	57288	79476	6.82%	0.482%
19	17.617	2510	2515	2520	rVB2	14119	28032	2.41%	0.170%
20	17.829	2544	2551	2558	rVV2	34574	74142	6.36%	0.450%
21	17.940	2566	2570	2574	rVV	15052	20264	1.74%	0.123%
22	18.011	2574	2582	2589	rVB3	28397	54244	4.65%	0.329%
23	18.146	2602	2605	2613	rVB2	14370	29265	2.51%	0.178%
24	18.305	2626	2632	2636	rVV	95690	152320	13.07%	0.924%
25	18.352	2636	2640	2647	rVB	132632	196442	16.85%	1.192%
26	18.434	2647	2654	2659	rBV2	27806	49461	4.24%	0.300%
27	18.498	2659	2665	2668	rBV3	119524	231658	19.88%	1.406%
28	18.534	2668	2671	2676	rVB	76715	105272	9.03%	0.639%
29	18.792	2711	2715	2720	rBV	63609	96080	8.24%	0.583%
30	18.845	2720	2724	2733	rVB2	104294	161226	13.83%	0.979%
31	19.039	2749	2757	2762	rBV3	41218	78197	6.71%	0.475%
32	19.092	2762	2766	2769	rVV	52540	67974	5.83%	0.413%
33	19.133	2769	2773	2777	rVB2	39229	51598	4.43%	0.313%
34	19.209	2780	2786	2791	rBV	112937	198000	16.99%	1.202%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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	19.274	2791	2797	2800	rVV2	43759	105912	9.09%	0.643%
36	19.303	2800	2802	2805	rVV	30746	37318	3.20%	0.226%
37	19.362	2806	2812	2824	rVB5	52921	148161	12.71%	0.899%
38	19.480	2824	2832	2838	rBV	721653	1069437	91.75%	6.491%
39	19.533	2838	2841	2845	rBV	27870	38096	3.27%	0.231%
40	19.574	2845	2848	2852	rVB2	33890	41363	3.55%	0.251%
41	19.674	2861	2865	2868	rBV3	24394	35322	3.03%	0.214%
42	19.721	2869	2873	2882	rVB5	37293	90352	7.75%	0.548%
43	19.809	2882	2888	2890	rBV2	150802	234753	20.14%	1.425%
44	19.844	2890	2894	2901	rVB	698947	1029536	88.33%	6.249%
45	19.909	2901	2905	2908	rBV2	74565	120062	10.30%	0.729%
46	20.026	2915	2925	2929	rBV3	44306	102981	8.84%	0.625%
47	20.079	2930	2934	2941	rVB2	43318	84832	7.28%	0.515%
48	20.173	2941	2950	2955	rBV3	88177	234626	20.13%	1.424%
49	20.332	2966	2977	2982	rVB	153441	378309	32.46%	2.296%
50	20.431	2986	2994	2998	rBV2	117252	202142	17.34%	1.227%
51	20.490	2998	3004	3008	rVV2	172630	234848	20.15%	1.425%
52	20.584	3014	3020	3024	rBV5	35709	60594	5.20%	0.368%
53	20.631	3024	3028	3032	rBV	89240	131920	11.32%	0.801%
54	20.678	3032	3036	3039	rVB	60017	75653	6.49%	0.459%
55	20.884	3066	3071	3075	rBV	343258	460827	39.54%	2.797%
56	21.060	3096	3101	3103	rBV5	24580	47063	4.04%	0.286%
57	21.095	3103	3107	3112	rVB	79478	126248	10.83%	0.766%
58	21.189	3120	3123	3128	rVB	30803	43769	3.76%	0.266%
59	21.283	3130	3139	3142	rVV3	102943	236886	20.32%	1.438%
60	21.319	3142	3145	3150	rVV	86404	134685	11.56%	0.817%
61	21.372	3150	3154	3159	rVV2	81620	156995	13.47%	0.953%
62	21.436	3159	3165	3177	rVB3	82847	187283	16.07%	1.137%
63	21.560	3183	3186	3193	rVB2	26454	44230	3.79%	0.268%
64	21.689	3201	3208	3215	rBV3	429260	1165548	100.00%	7.074%
65	21.753	3215	3219	3230	rVB	359429	627999	53.88%	3.812%
66	21.847	3231	3235	3240	rVB3	26383	41895	3.59%	0.254%
67	21.906	3240	3245	3251	rBV	58402	101511	8.71%	0.616%
68	21.971	3253	3256	3265	rBV5	26114	77039	6.61%	0.468%
69	22.118	3274	3281	3287	rBV3	52021	126636	10.86%	0.769%
70	22.177	3287	3291	3296	rVB4	23835	42816	3.67%	0.260%
71	22.306	3307	3313	3316	rBV6	18593	35493	3.05%	0.215%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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	22.353	3318	3321	3326	rVV	34796	63613	5.46%	0.386%
73	22.435	3326	3335	3343	rVV	105735	284093	24.37%	1.724%
74	22.506	3343	3347	3356	rVV	62807	140505	12.05%	0.853%
75	22.594	3358	3362	3367	rVV3	32051	65807	5.65%	0.399%
76	22.652	3368	3372	3377	rVV3	30121	62218	5.34%	0.378%
77	22.711	3377	3382	3386	rVV3	56145	110011	9.44%	0.668%
78	22.758	3387	3390	3397	rVB4	43247	78851	6.77%	0.479%
79	22.852	3399	3406	3413	rBV5	37890	86406	7.41%	0.524%
80	23.287	3477	3480	3484	rBV2	12572	20534	1.76%	0.125%
81	23.369	3492	3494	3503	rVB	29590	55283	4.74%	0.336%
82	23.540	3517	3523	3524	rBV3	26378	42458	3.64%	0.258%
83	23.927	3579	3589	3597	rBV2	242522	851103	73.02%	5.166%
84	24.180	3626	3632	3639	rVB	47386	107765	9.25%	0.654%
85	24.380	3659	3666	3668	rBV6	26749	49794	4.27%	0.302%
86	24.656	3704	3713	3724	rBV	141228	398613	34.20%	2.419%
87	24.803	3729	3738	3750	rVB	213279	619937	53.19%	3.763%
88	24.956	3750	3764	3772	rBV	142612	448281	38.46%	2.721%
89	25.038	3772	3778	3792	rVB4	57911	194424	16.68%	1.180%
90	25.620	3872	3877	3884	rBV8	8184	20231	1.74%	0.123%
91	25.731	3892	3896	3906	rVB3	18024	52007	4.46%	0.316%
92	25.837	3910	3914	3930	rVB5	24897	79378	6.81%	0.482%
93	26.037	3938	3948	3956	rBV7	18646	61455	5.27%	0.373%
94	26.348	3994	4001	4013	rBV4	21447	62099	5.33%	0.377%
95	28.193	4306	4315	4323	rVV3	14688	57904	4.97%	0.351%
96	28.681	4385	4398	4416	rVB3	94197	455924	39.12%	2.767%
97	29.145	4470	4477	4478	rBV3	14530	26484	2.27%	0.161%
98	29.303	4500	4504	4516	rVB2	22894	67854	5.82%	0.412%
99	29.850	4580	4597	4612	rBV	72890	356761	30.61%	2.165%
100	30.461	4691	4701	4702	rBV	15315	31959	2.74%	0.194%

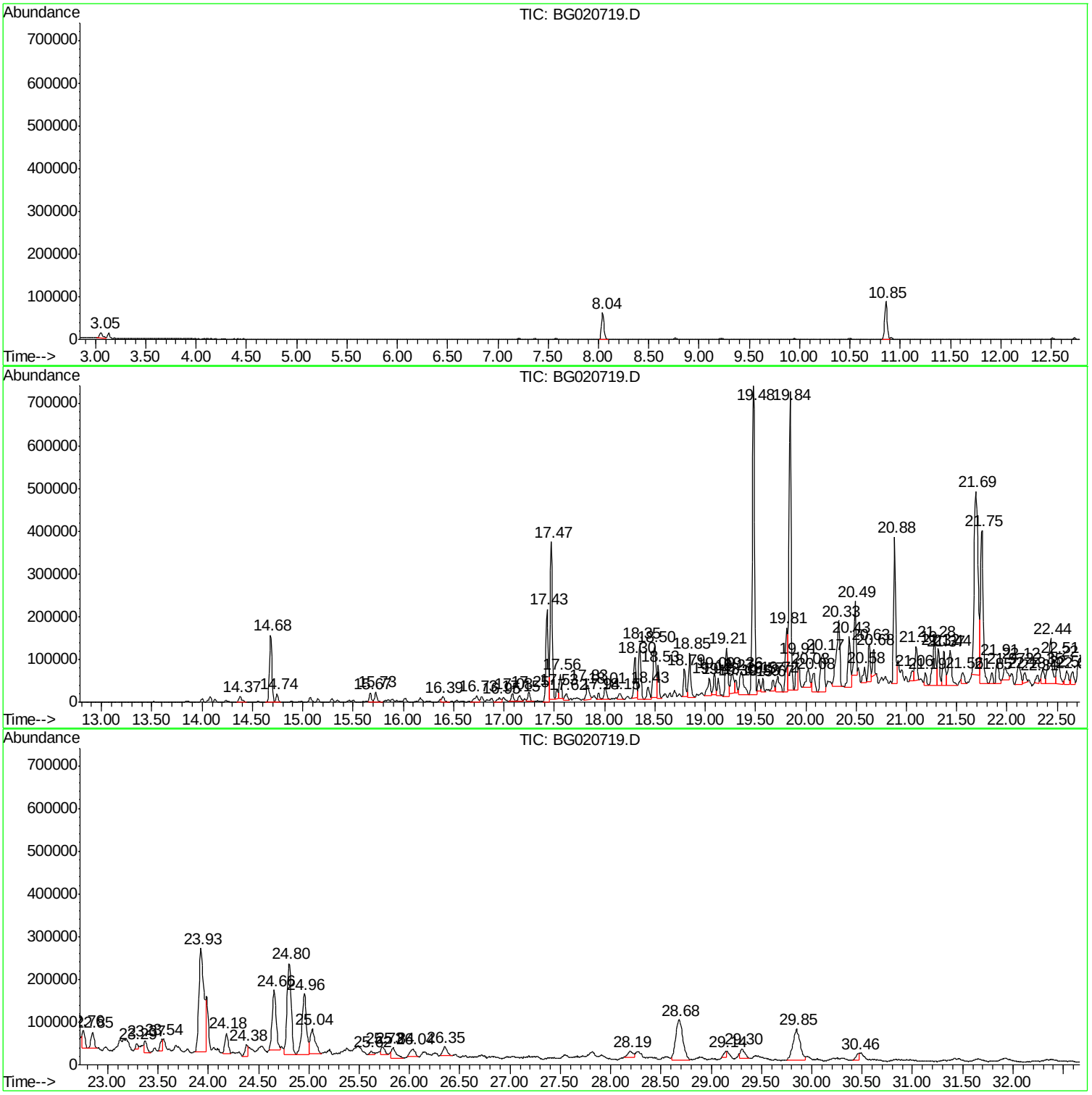
Sum of corrected areas: 16476005

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC933

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\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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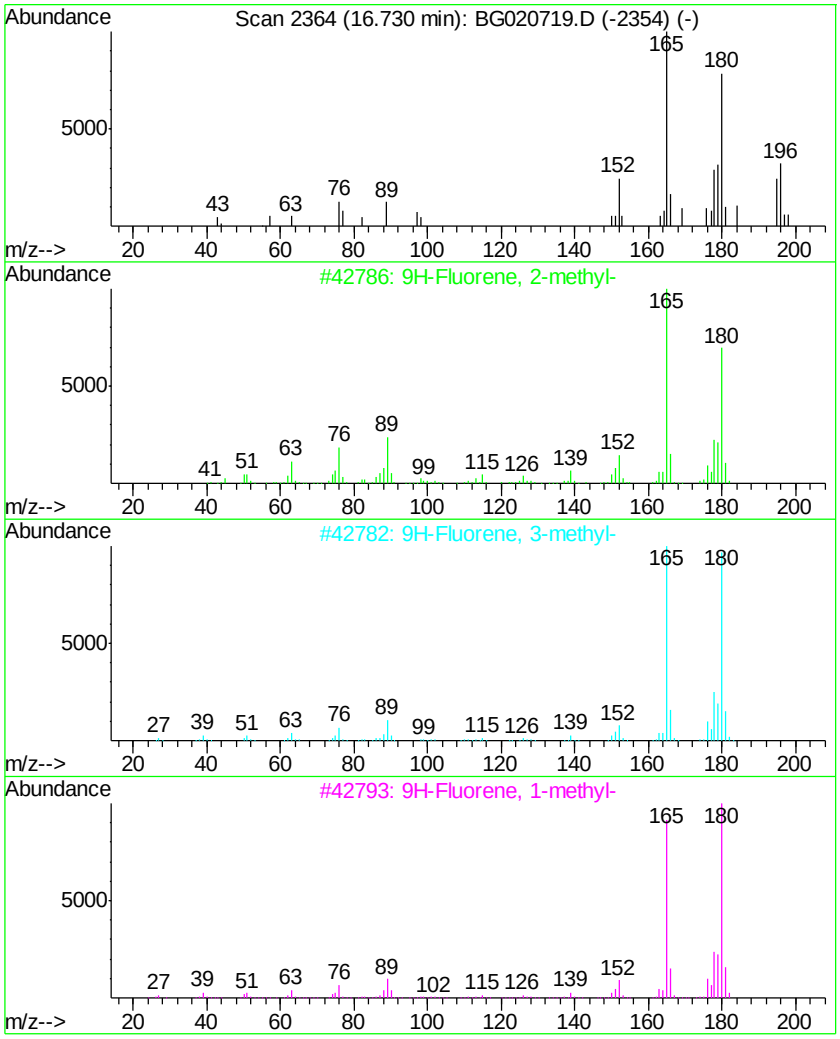
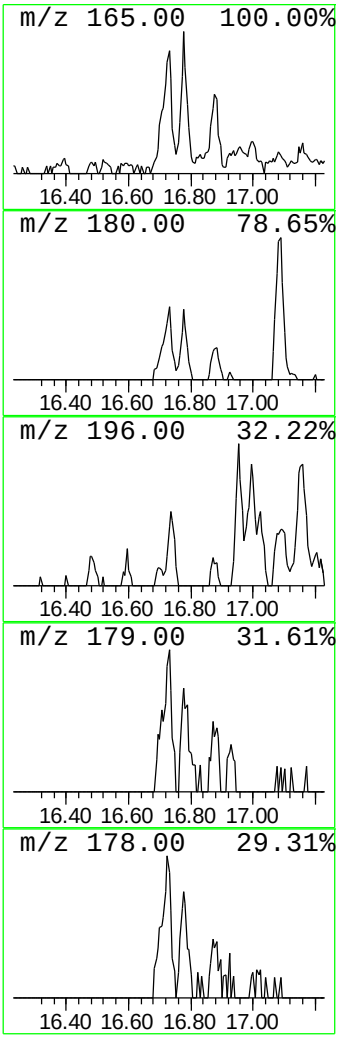
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.14 ng/ul	35227	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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

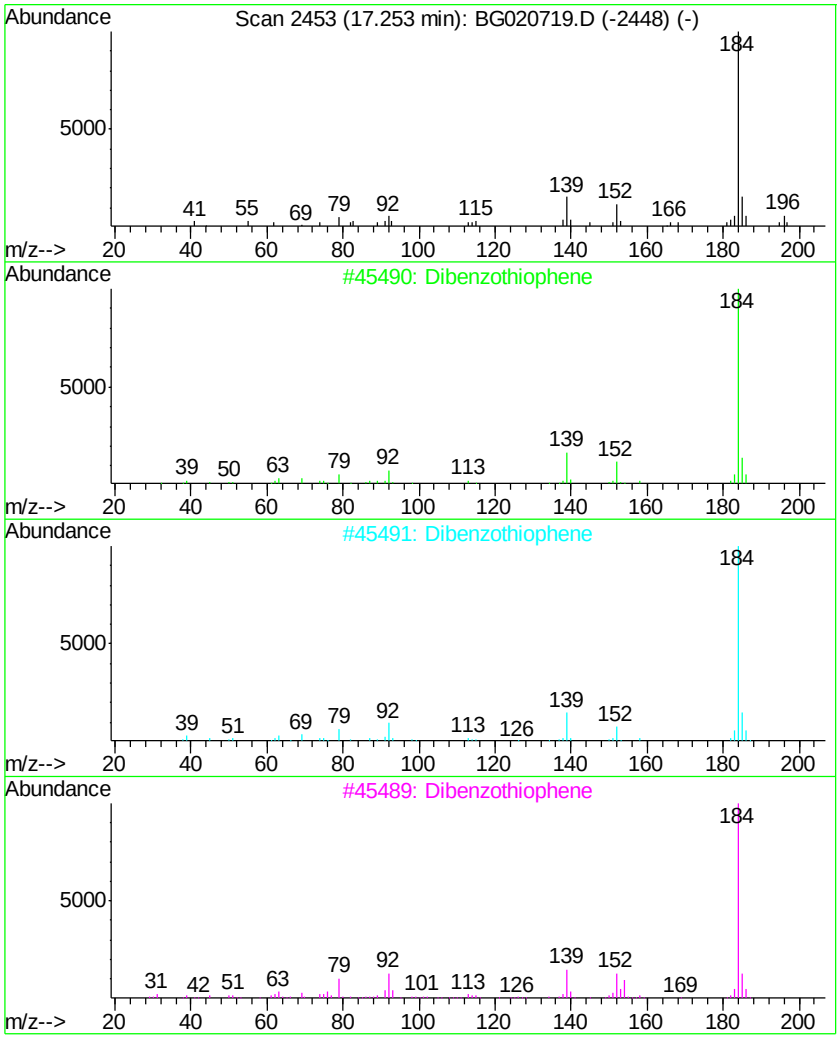
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

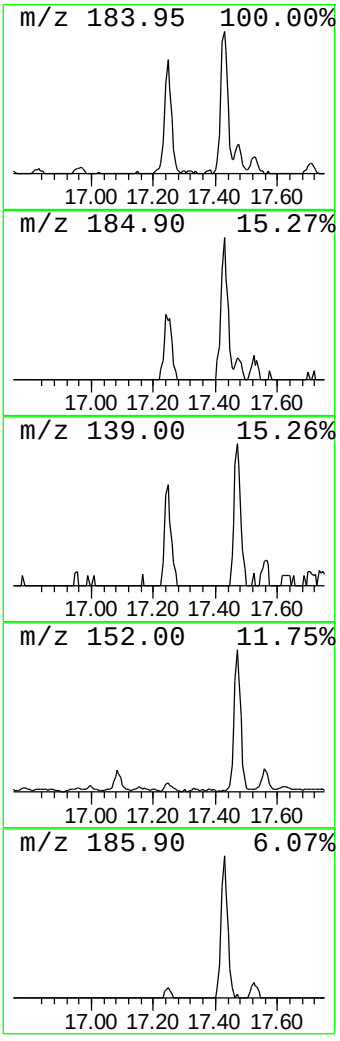
****

Peak Number 3 Dibenzothiophene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.13 ng/ul	35122	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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

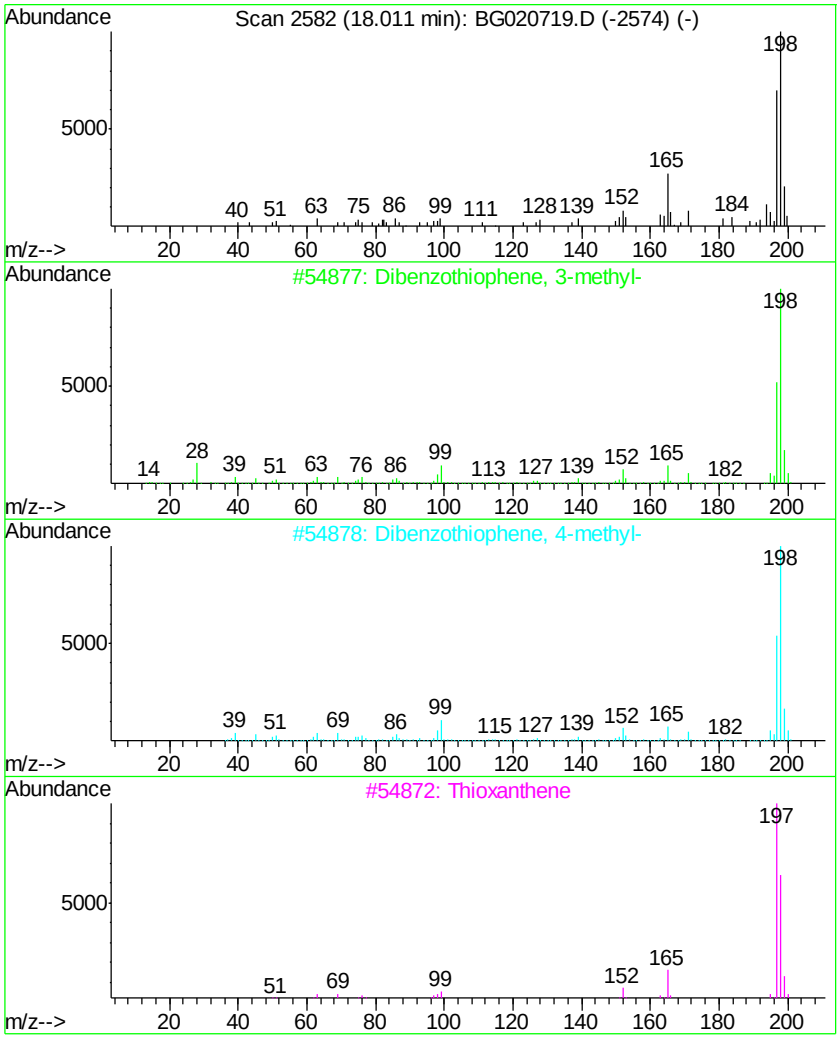
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

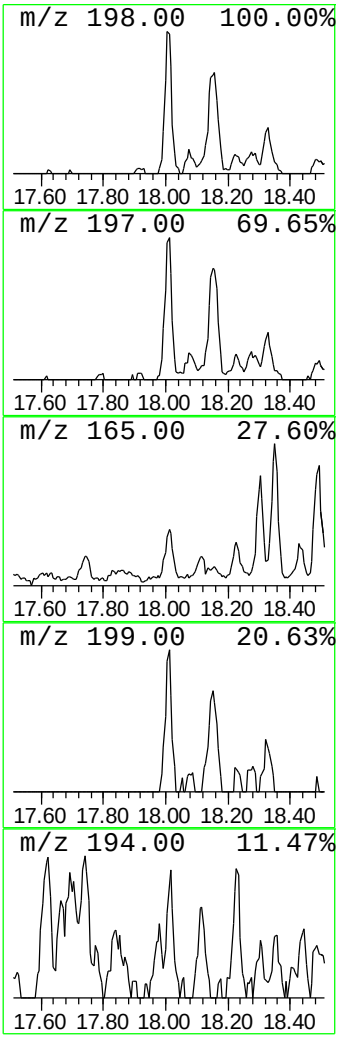
****

Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.30 ng/ul	54244	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Thioxanthene	198	C13H10S	000261-31-4	64
5	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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

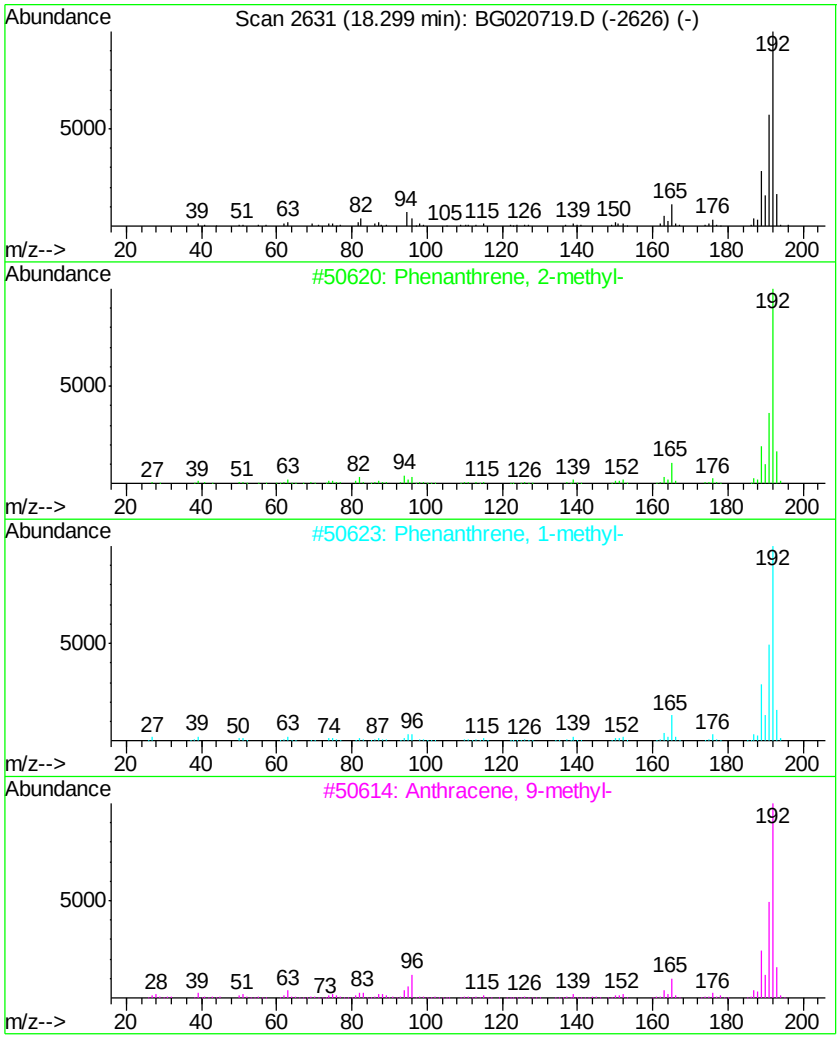
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

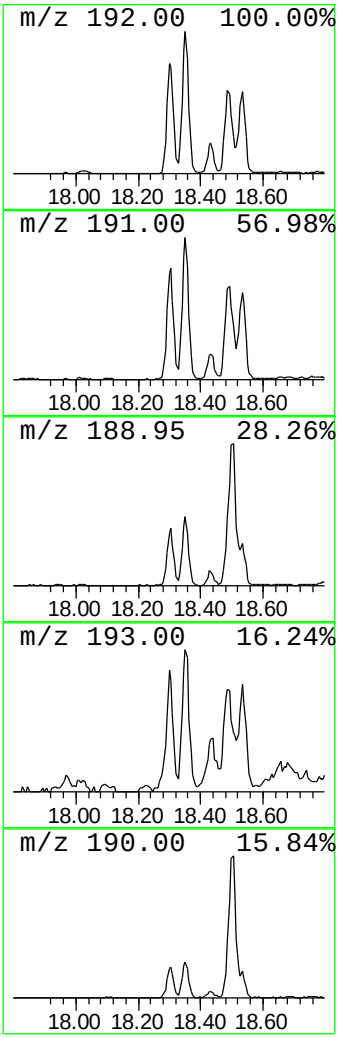
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	9.25 ng/ul	152320	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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

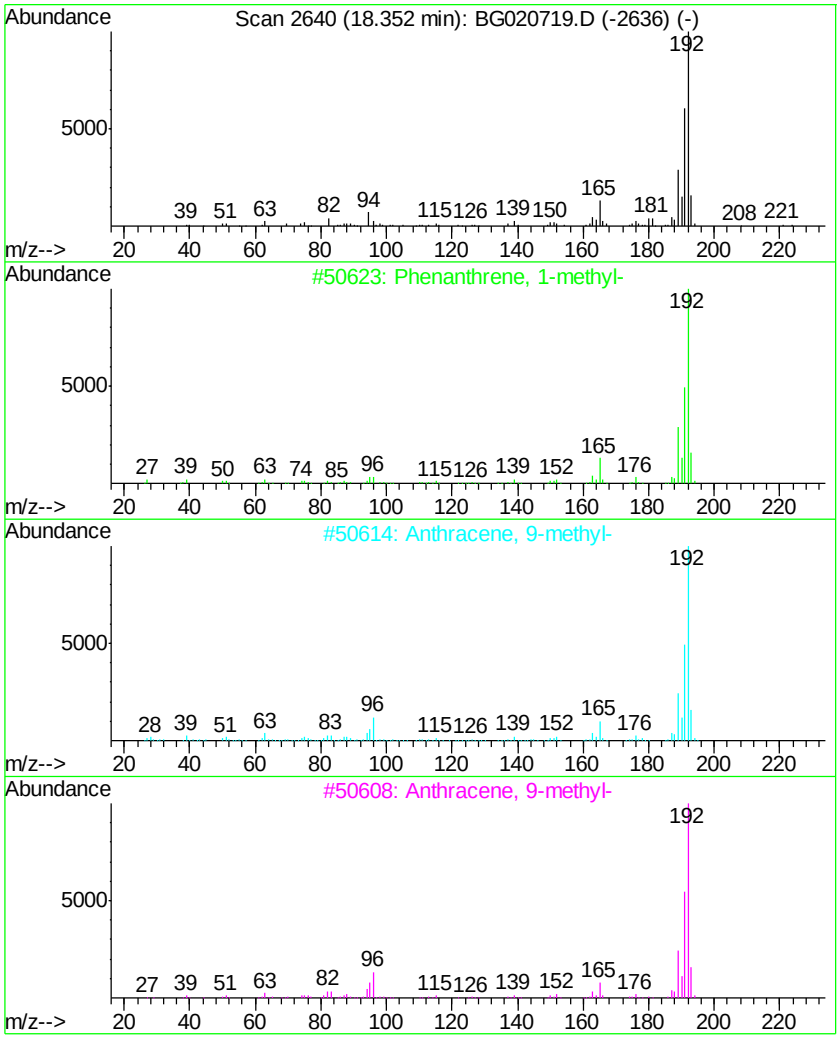
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

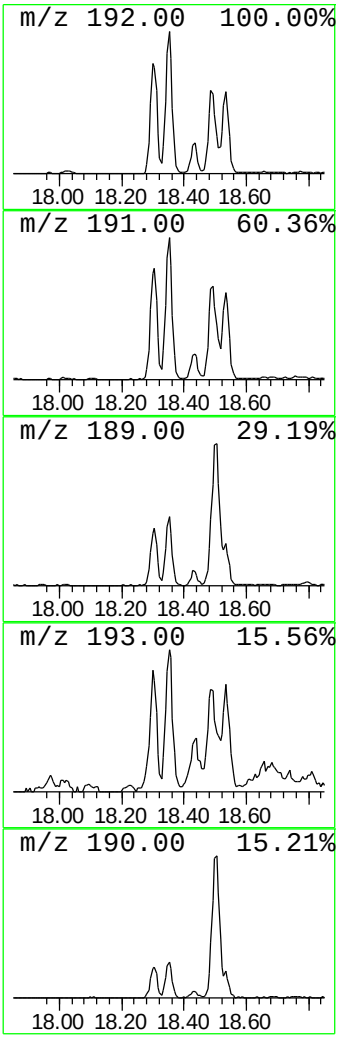
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	11.93 ng/ul	196442	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

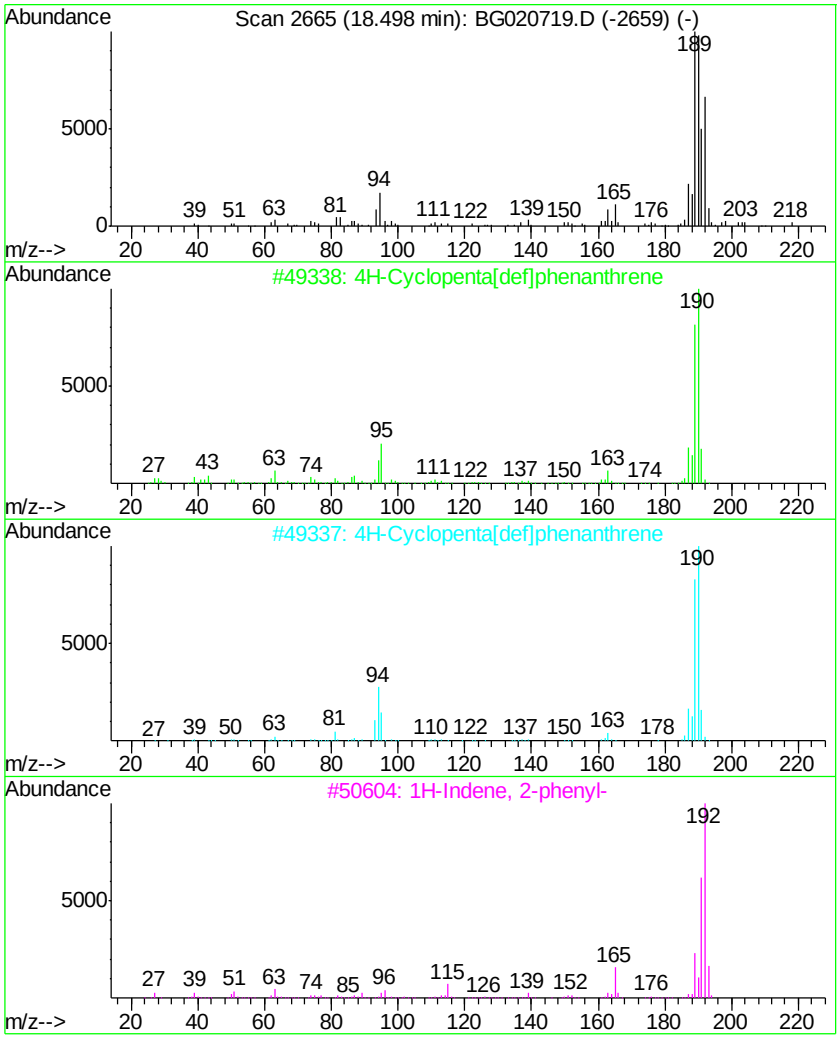
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

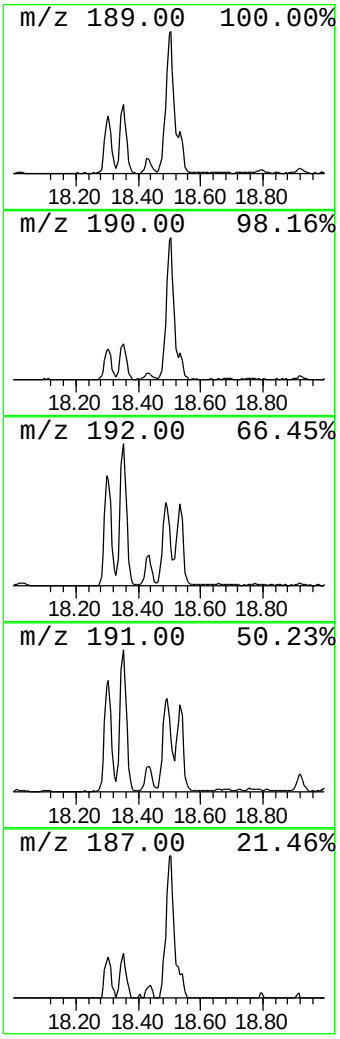
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	14.07 ng/ul	231658	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	22





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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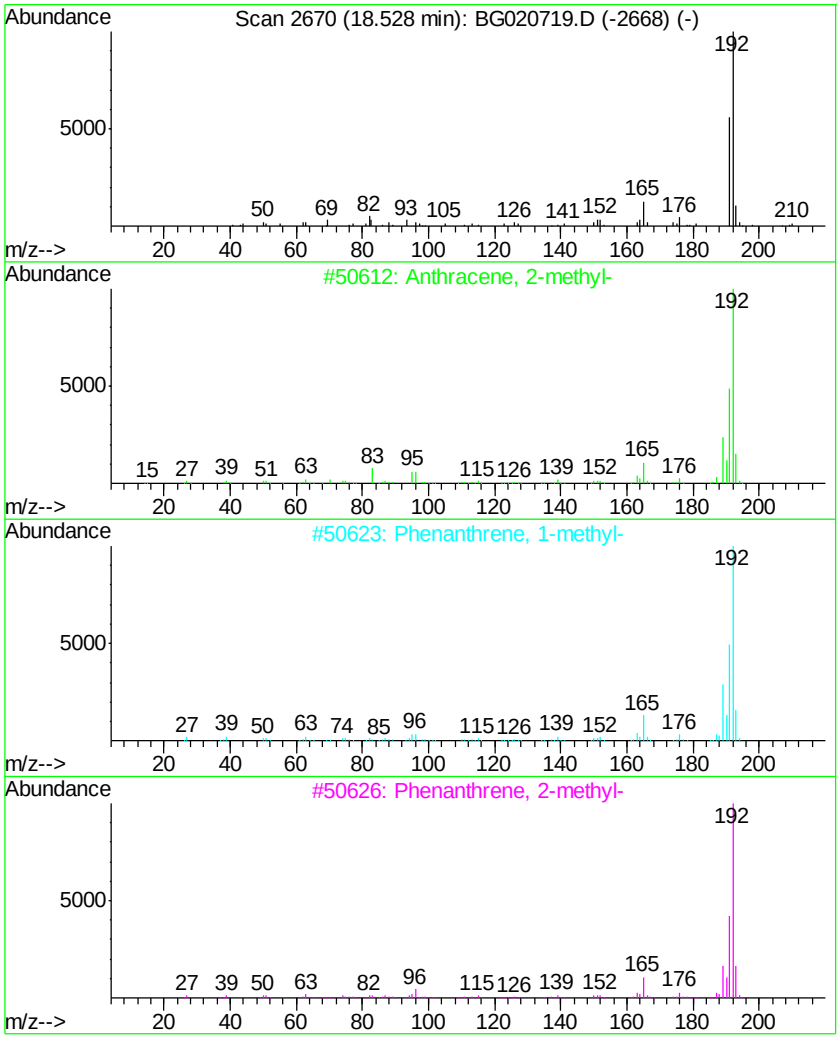
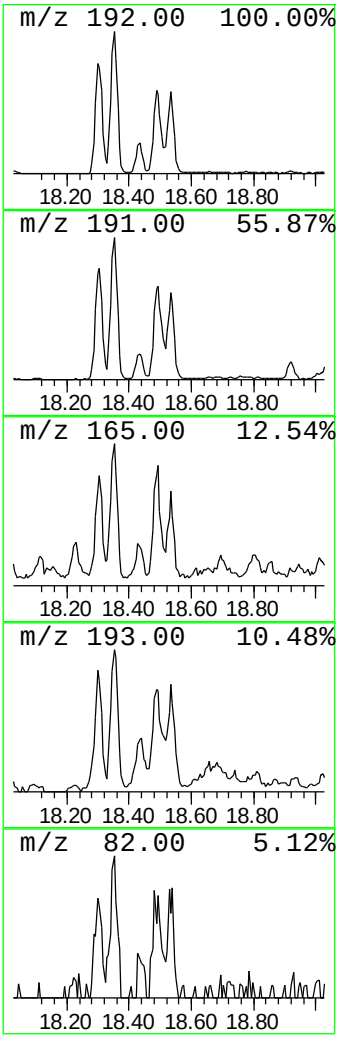
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	6.40 ng/ul	105272	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

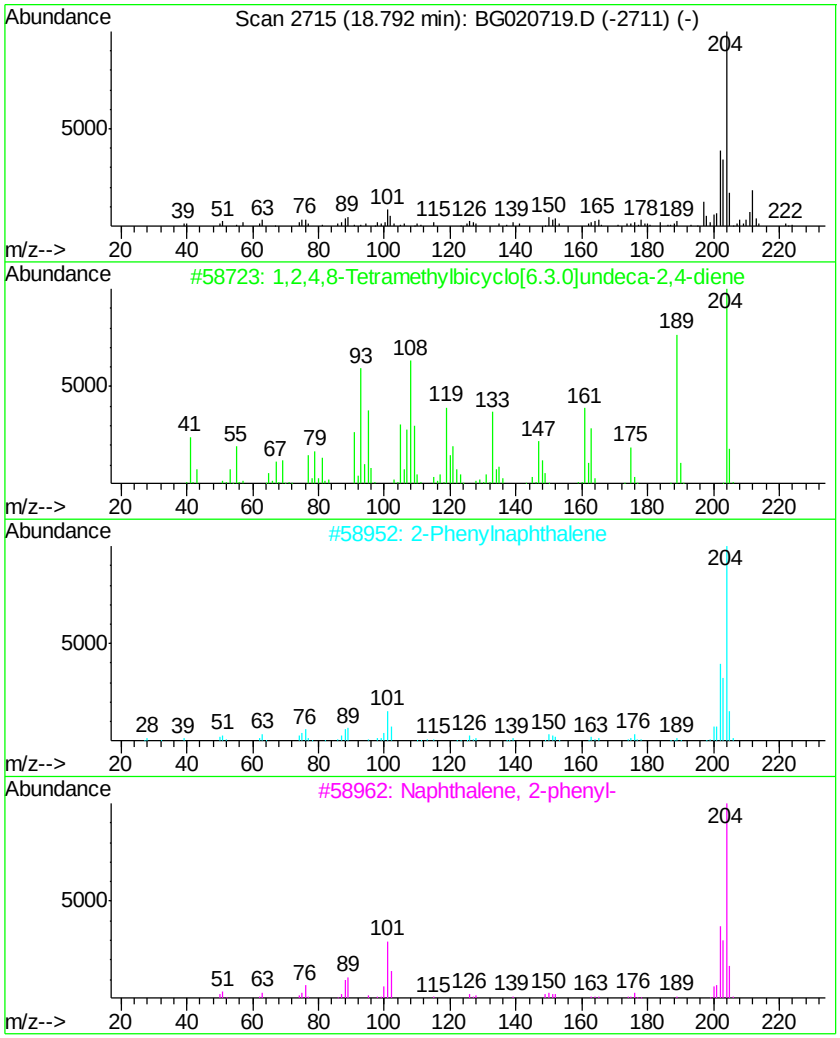
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

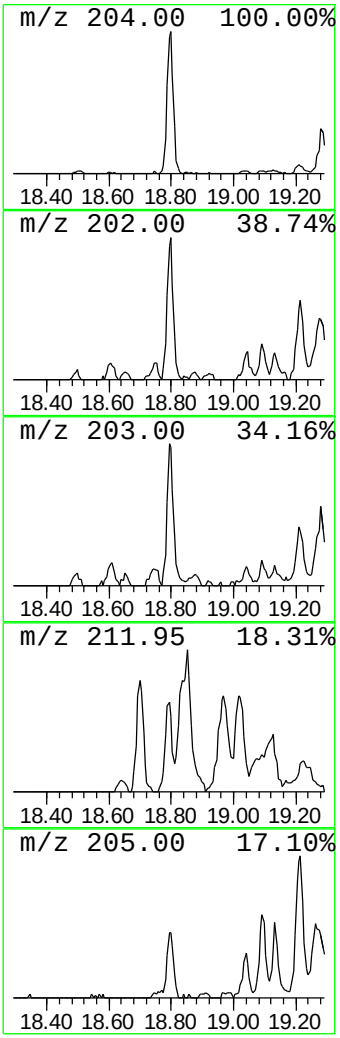
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.84 ng/ul	96080	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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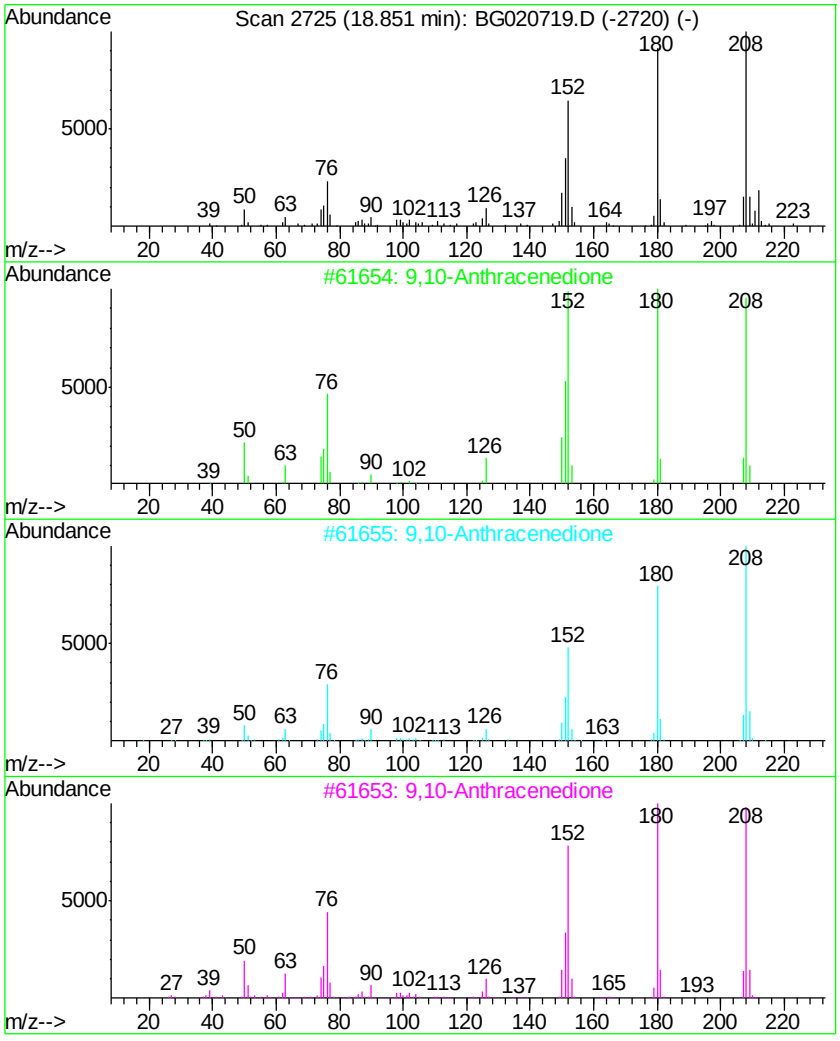
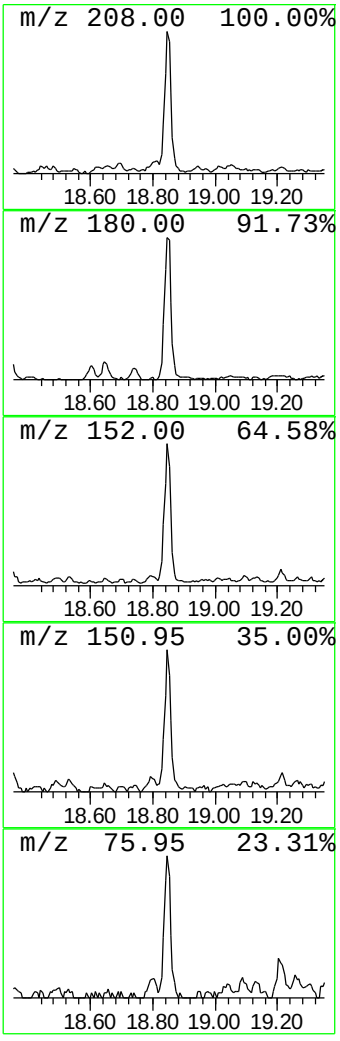
Peak Number 11 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	9.80 ng/ul	161226	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	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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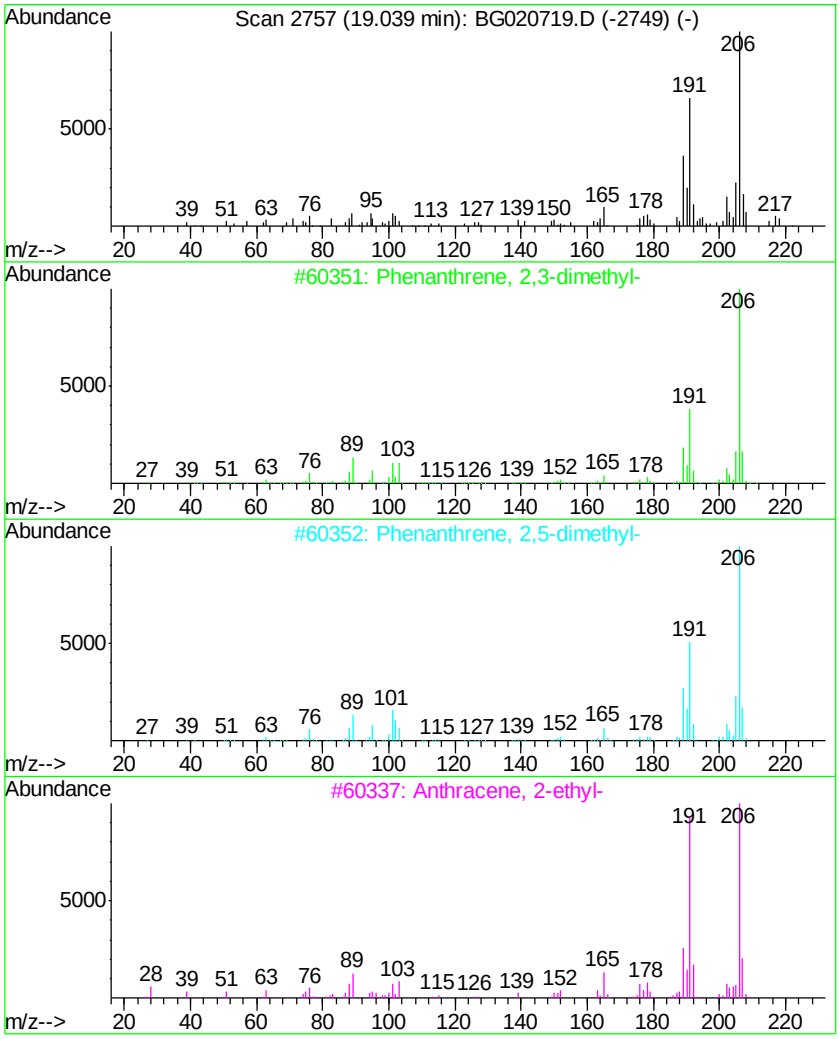
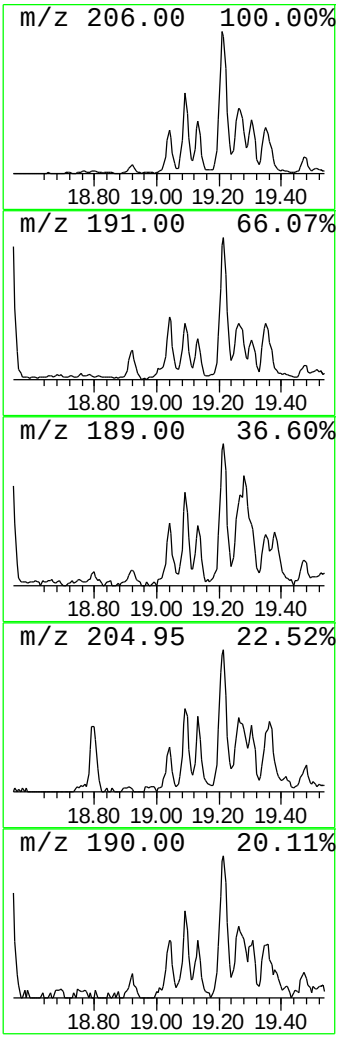
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	4.75 ng/ul	78197	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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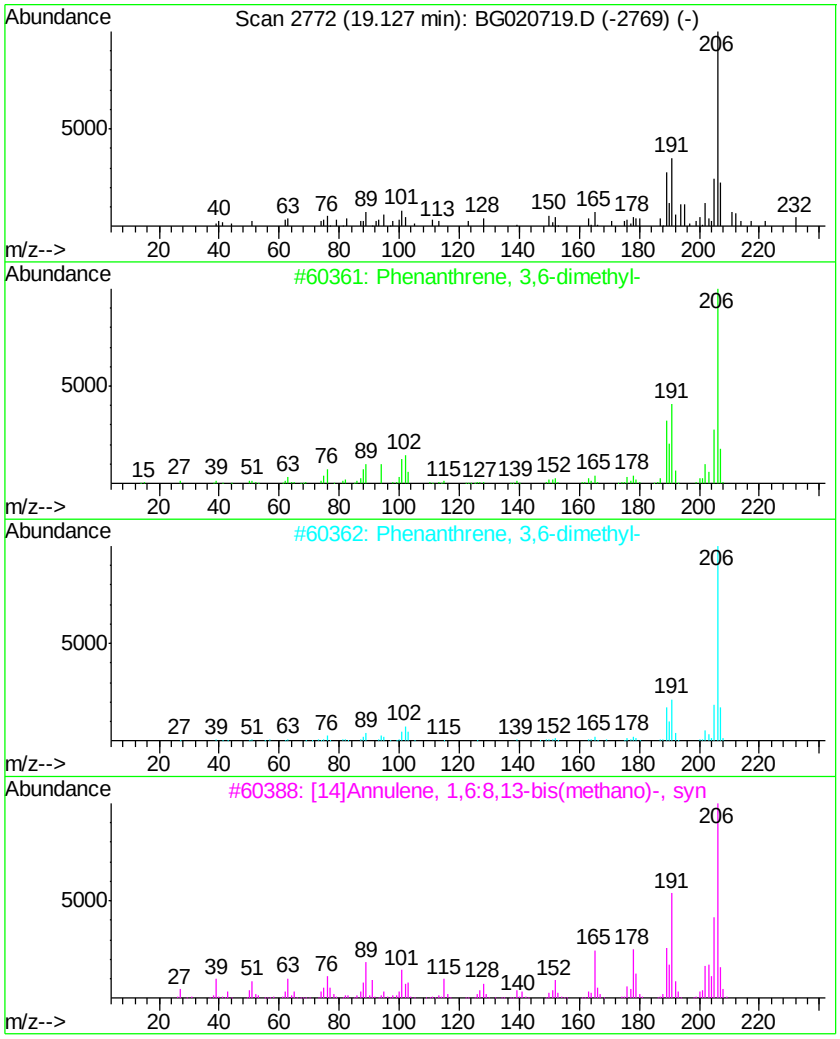
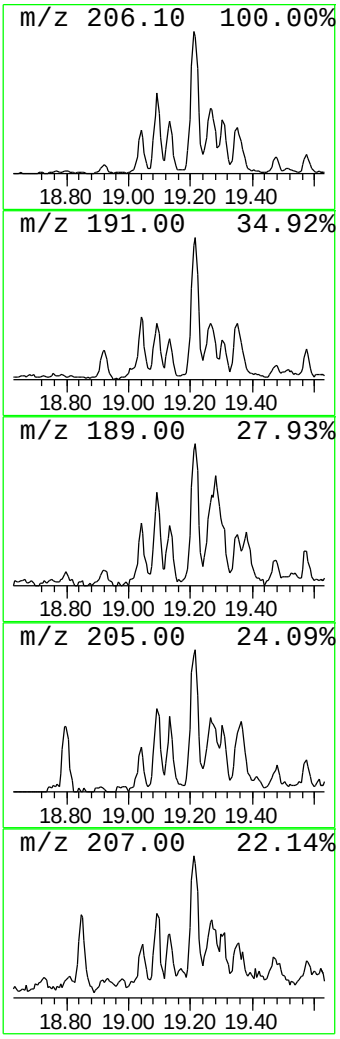
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.13 ng/ul	51598	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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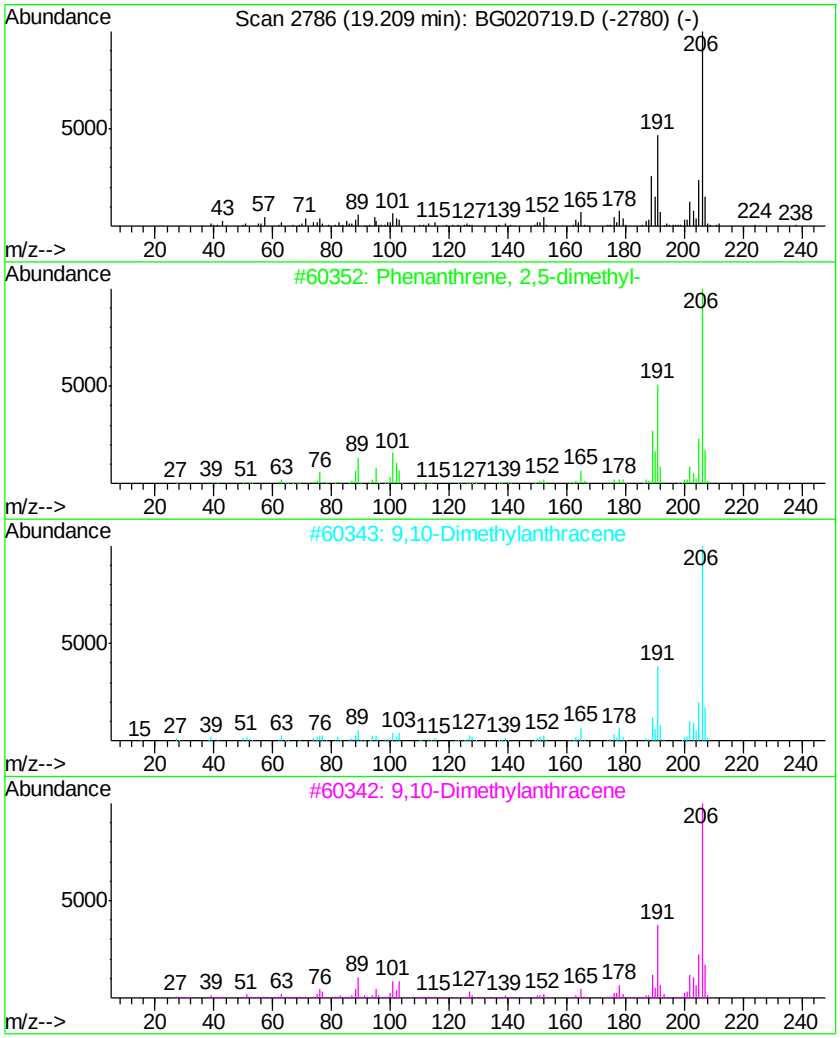
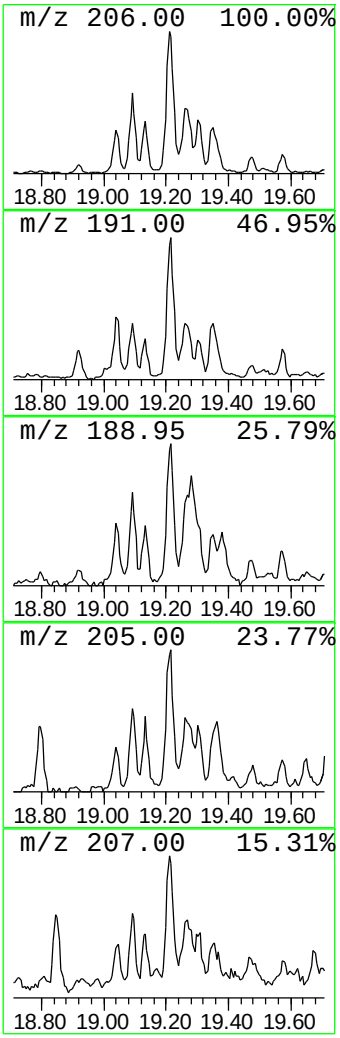
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	12.03 ng/ul	198000	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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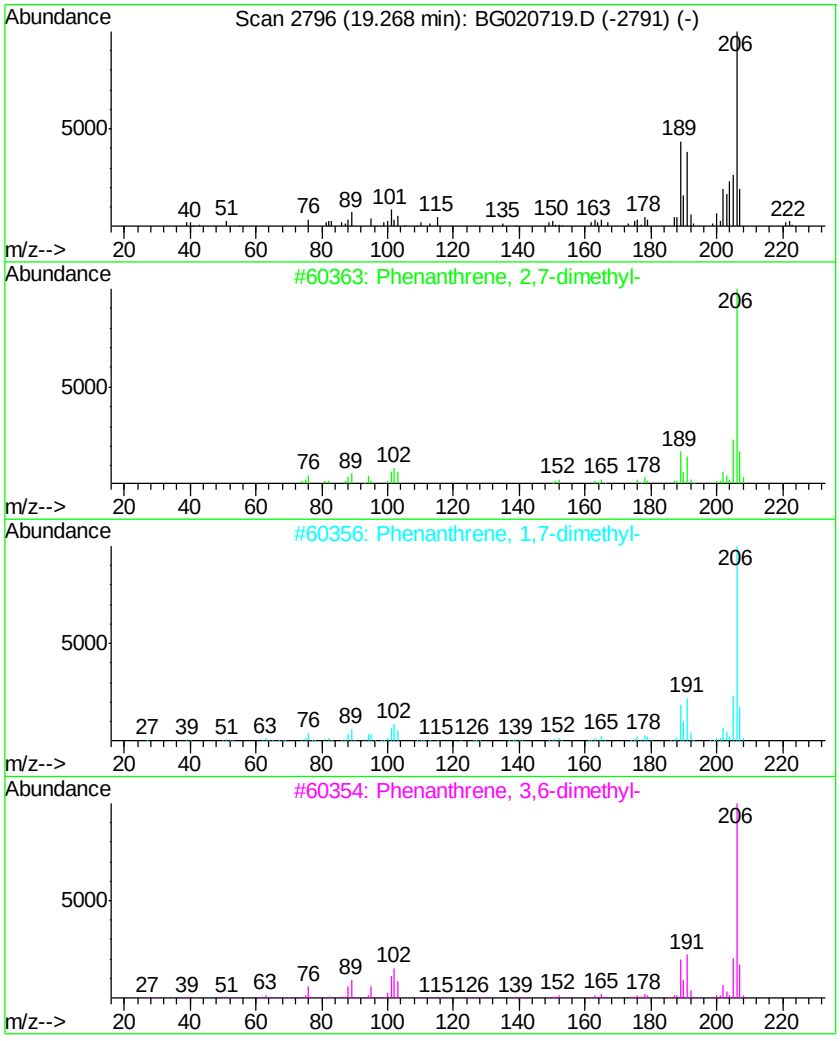
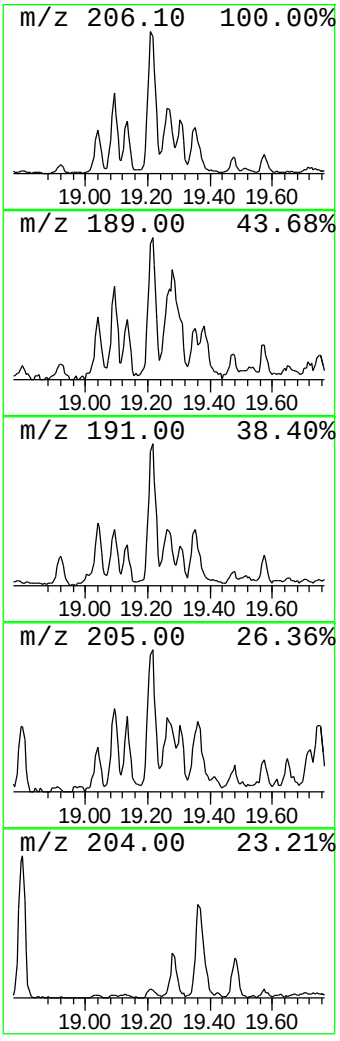
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	6.43 ng/ul	105912	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	59
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	53
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	53





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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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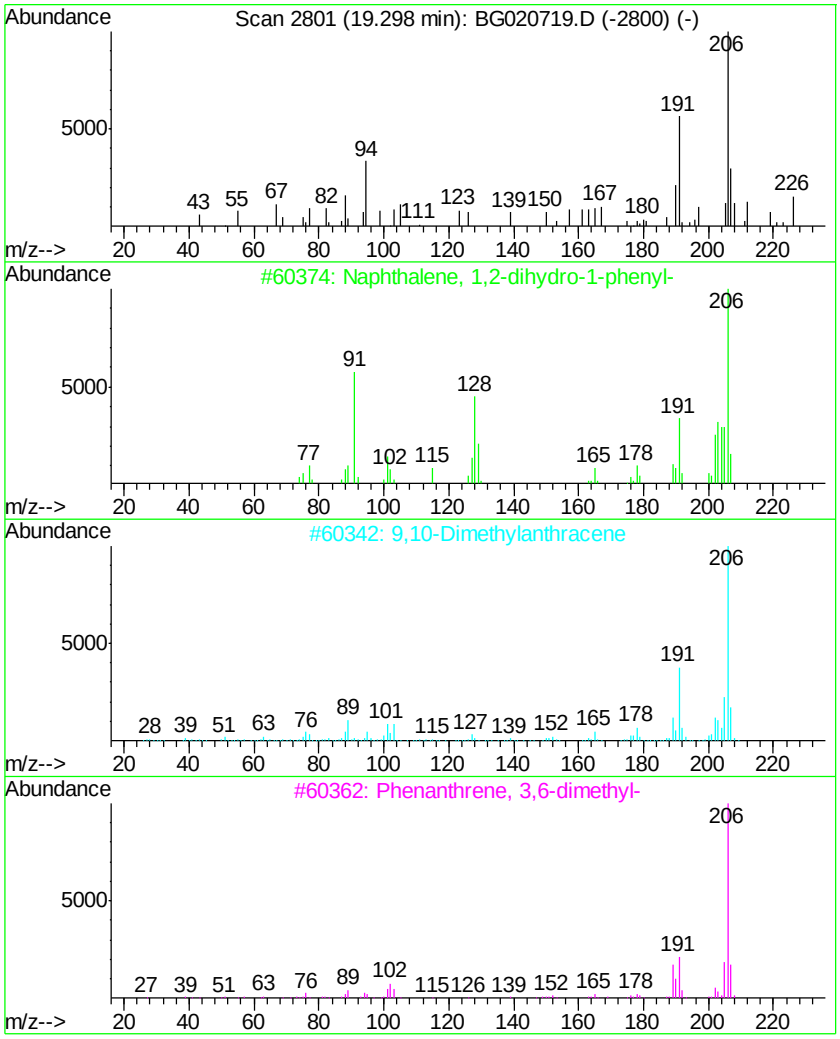
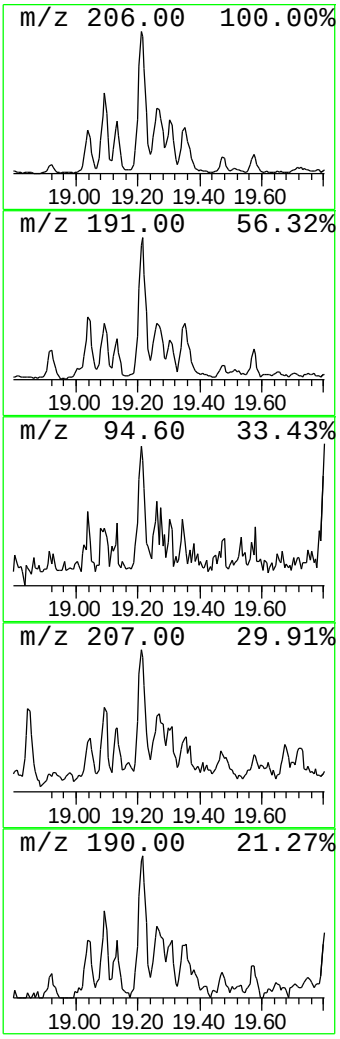
Peak Number 17 Naphthalene, 1,2-dihydro-1-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	2.27 ng/ul	37318	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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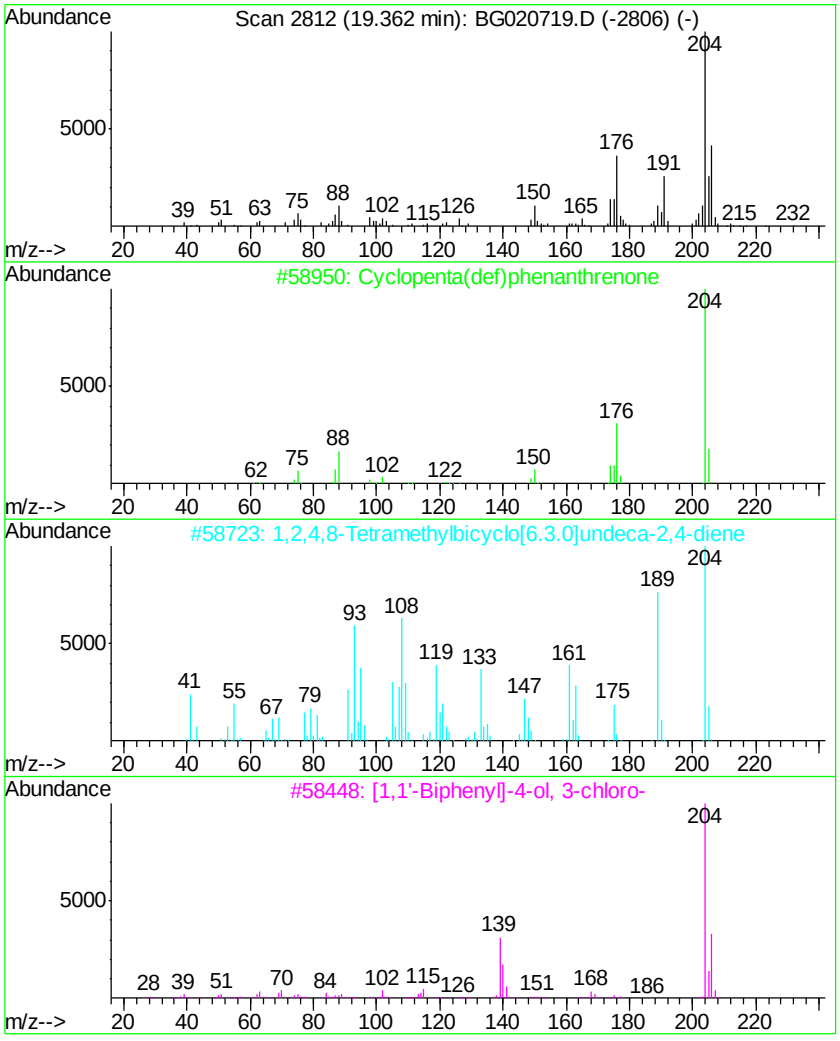
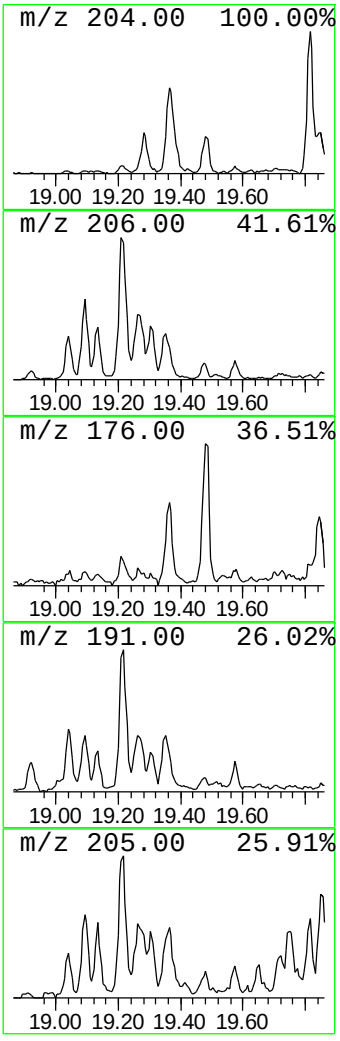
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	9.00 ng/ul	148161	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	46
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	38





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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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Quant Title : SVOA CALIBRATION

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

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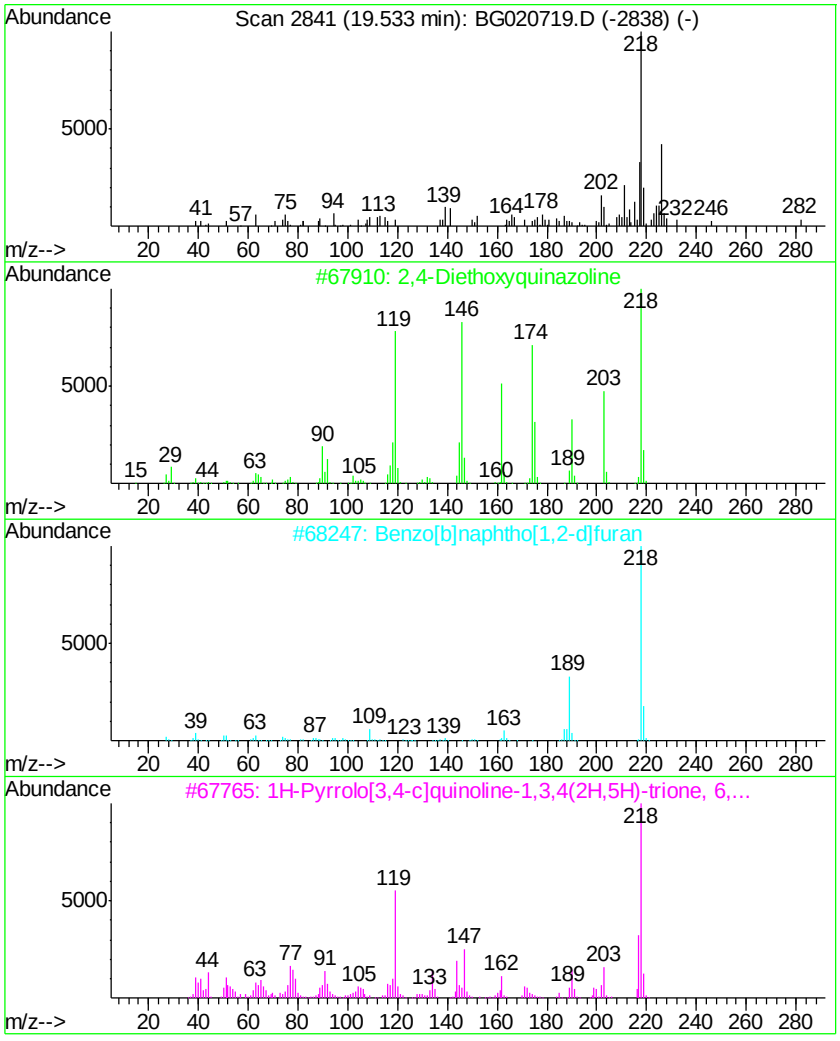
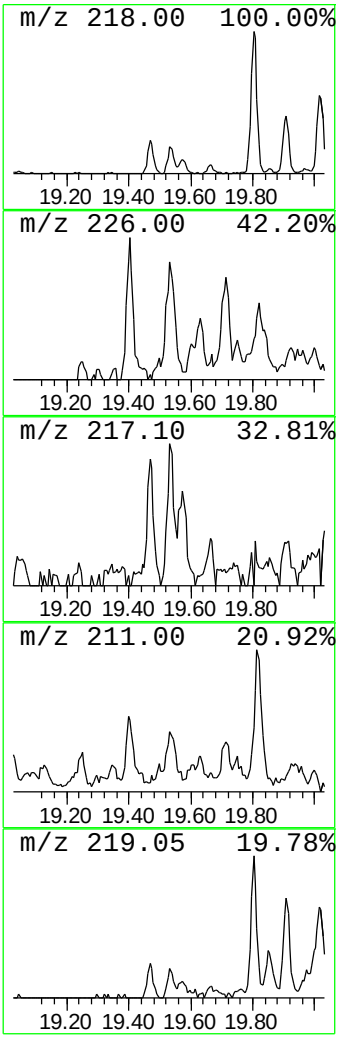
Peak Number 19 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.31 ng/ul	38096	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diethoxyquinazoline	218	C12H14N2O2	000611-65-4	38
2	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	38
3	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	38
4	4-Piperonyl-5-pyrazolone	218	C11H10N2O3	014731-80-7	38
5	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	38





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Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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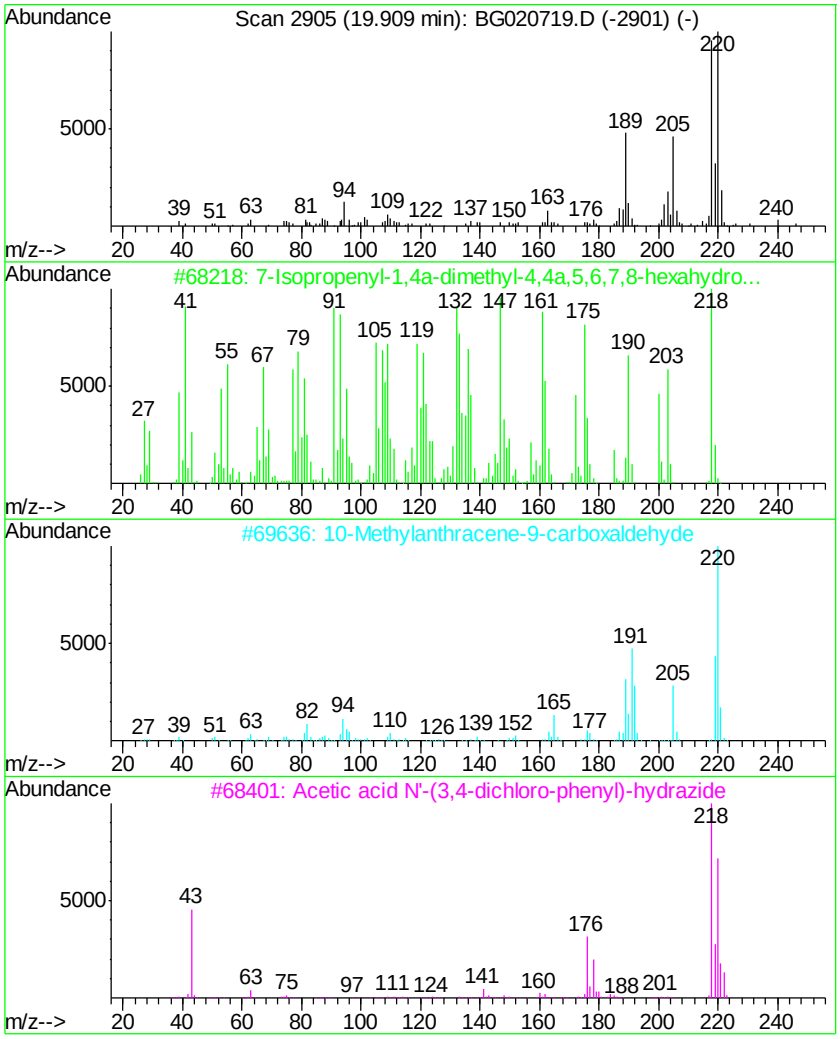
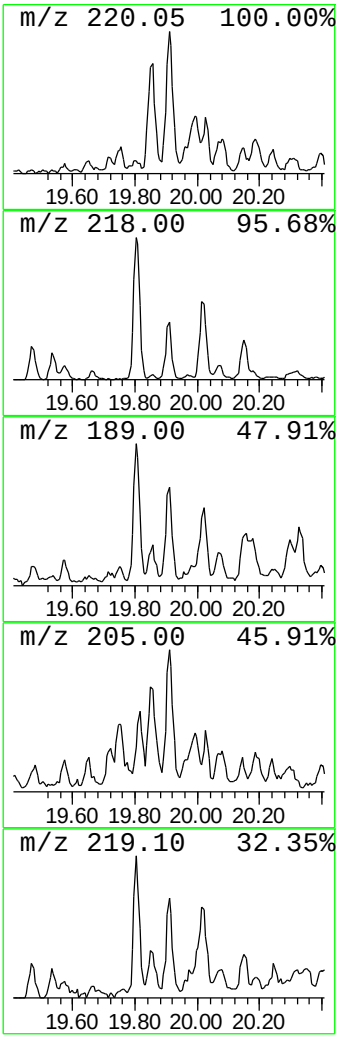
Peak Number 20 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.06 ng/ul	120062	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	60
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	49
3	Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	47
4	Pyridin-2-ol, 3-bromo-5-nitro-	218	C5H3BrN2O3	015862-33-6	43
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	41





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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

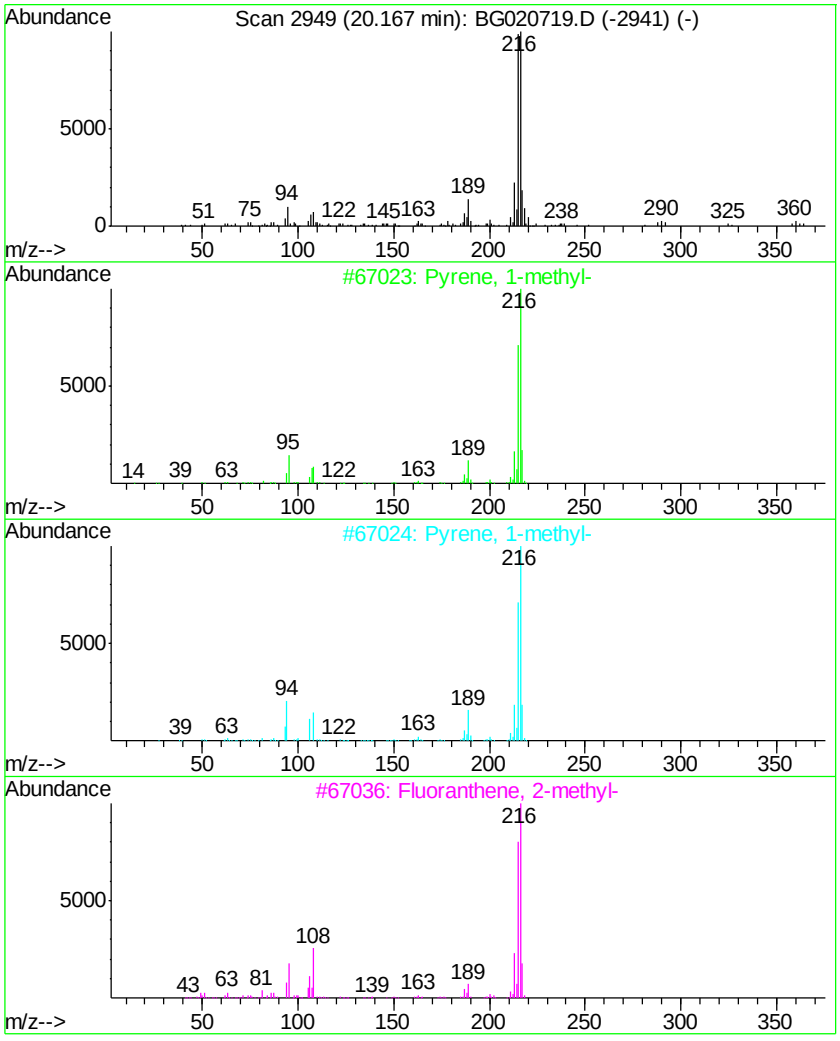
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

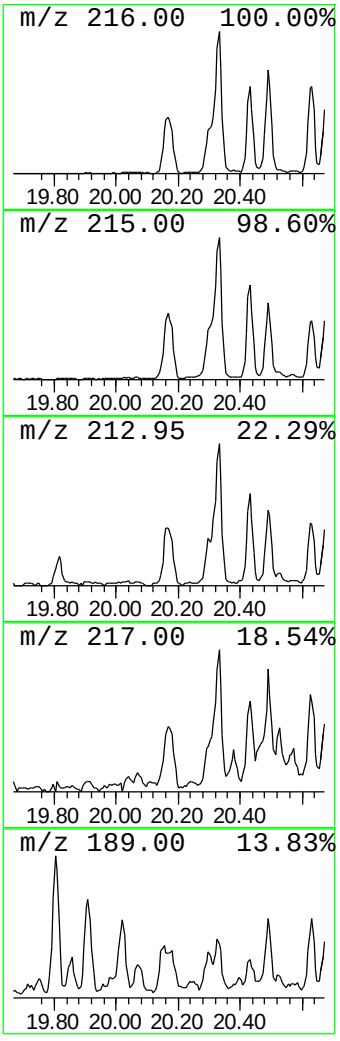
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	4.03 ng/ul	234626	Chrysene-d12	21.70

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





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Acq On : 14 Jan 2016 3:31
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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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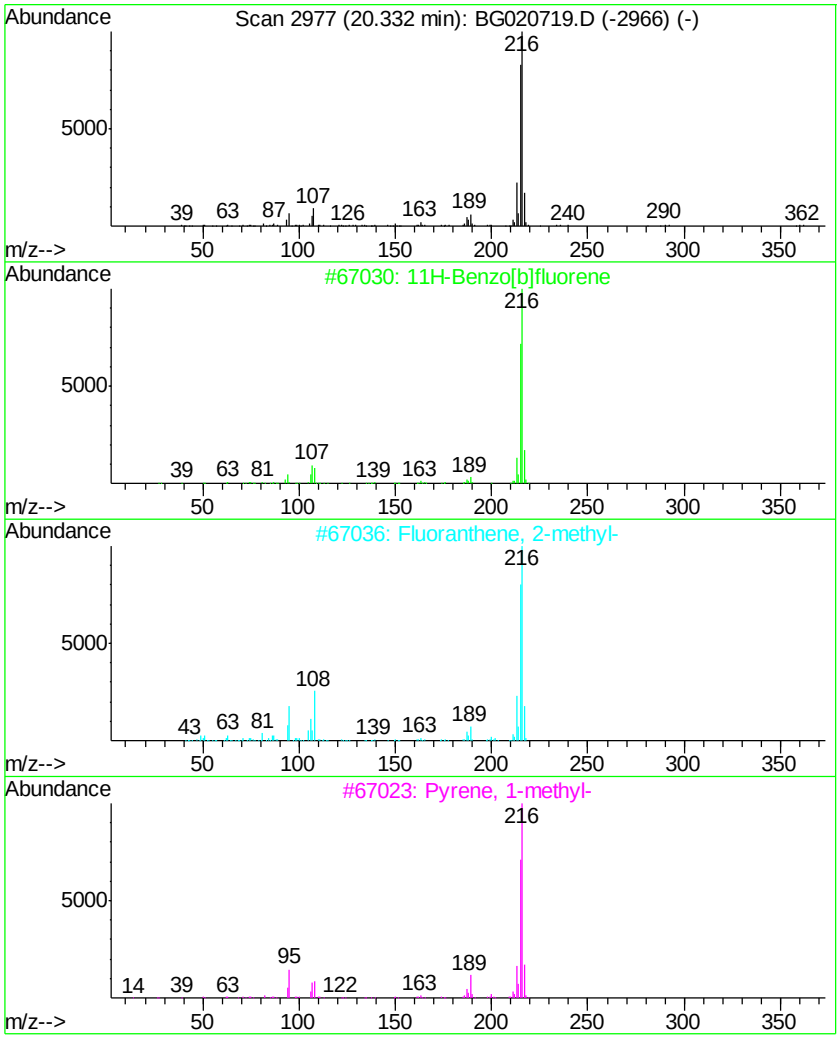
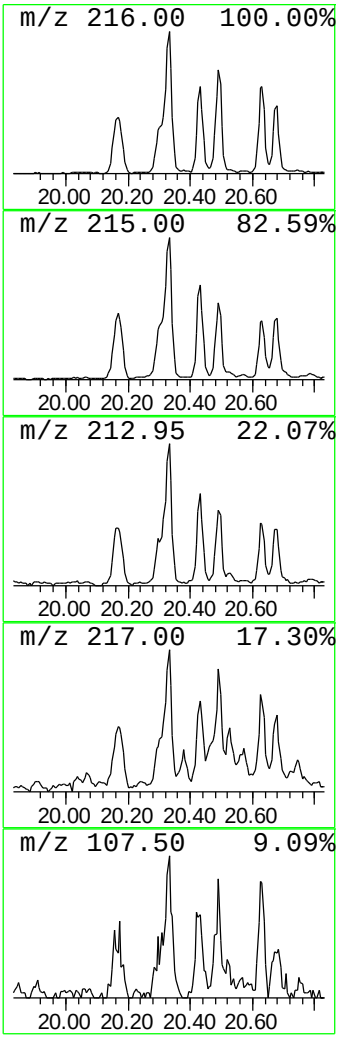
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	6.49 ng/ul	378309	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92





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Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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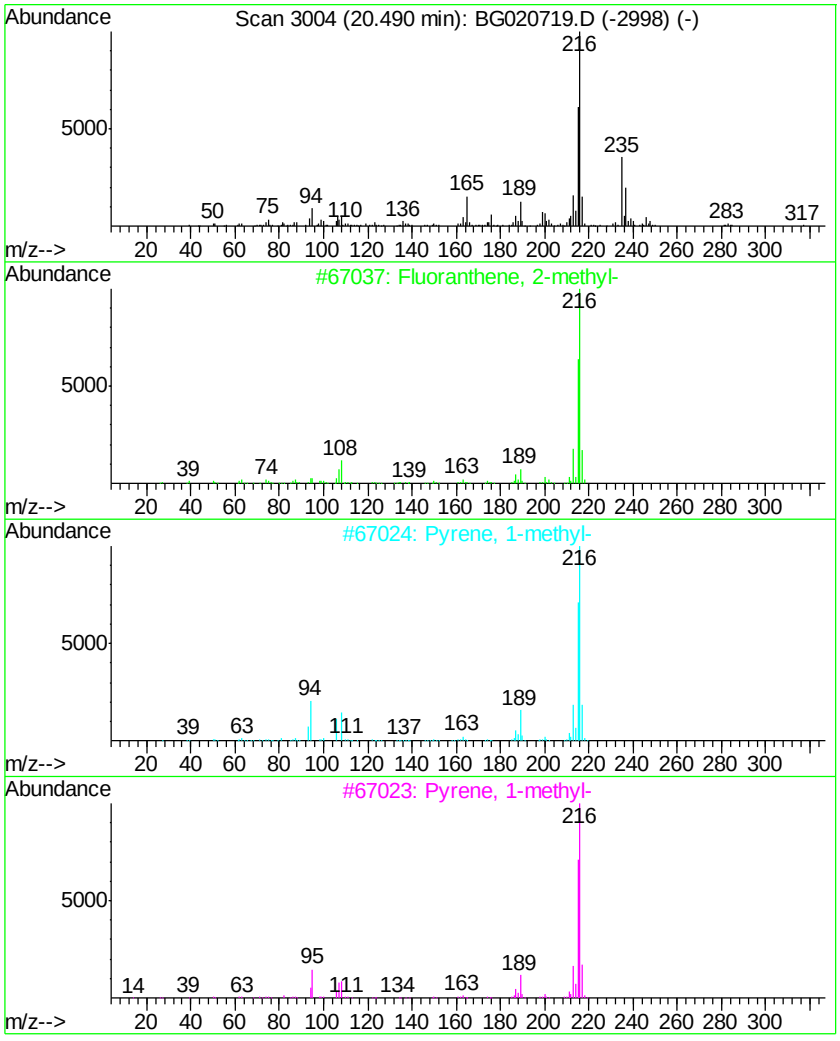
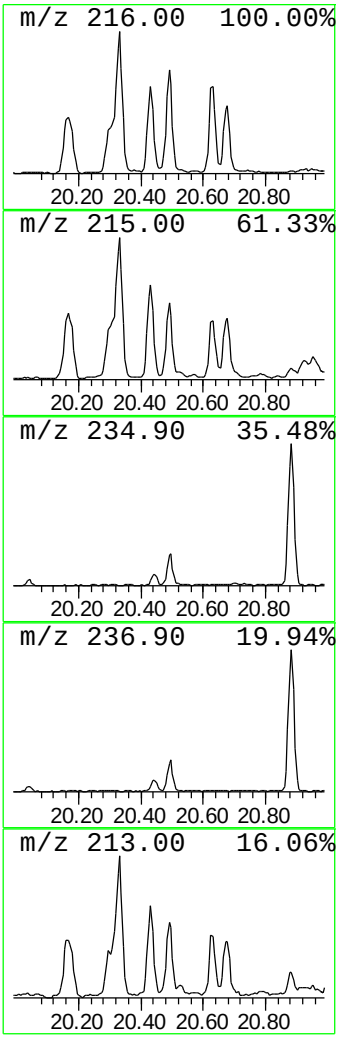
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	4.03 ng/ul	234848	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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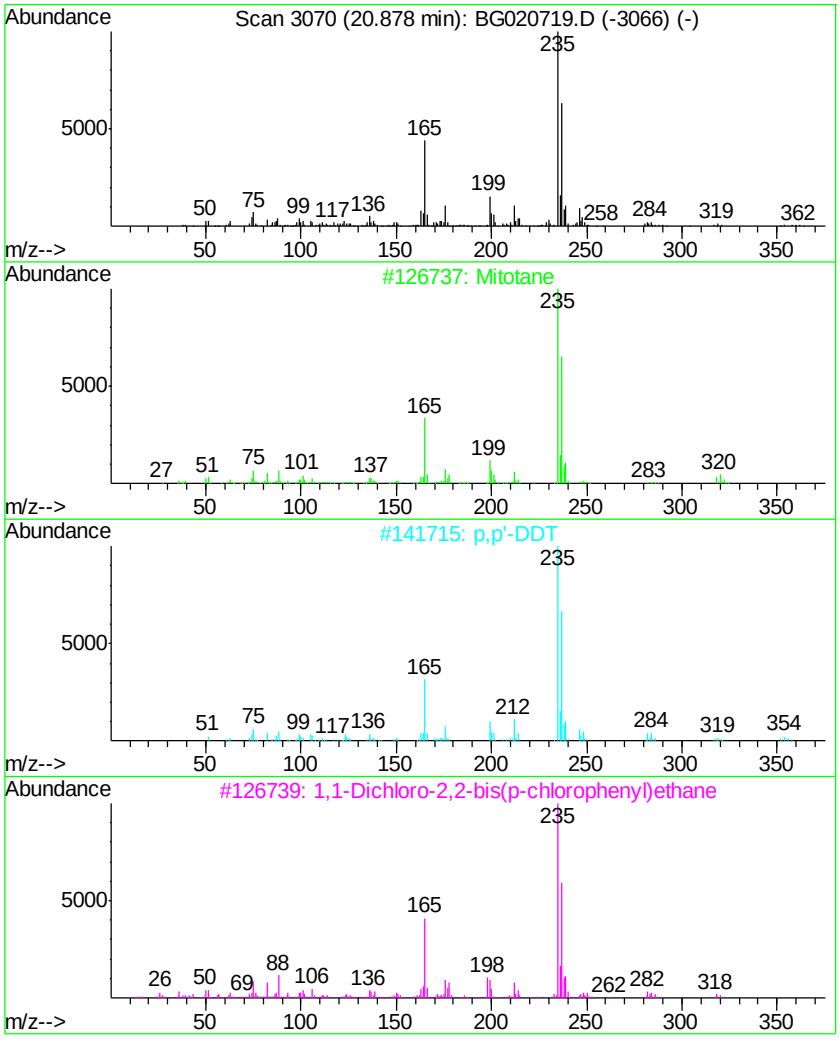
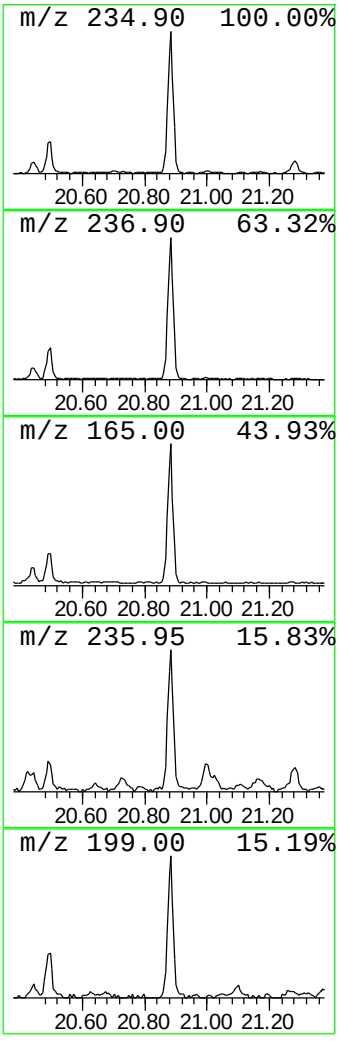
Peak Number 26 Mitotane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	7.91 ng/ul	460827	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mitotane	318	C14H10Cl4	000053-19-0	97
2	p,p'-DDT	352	C14H9Cl5	000050-29-3	96
3	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	95
4	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	93
5	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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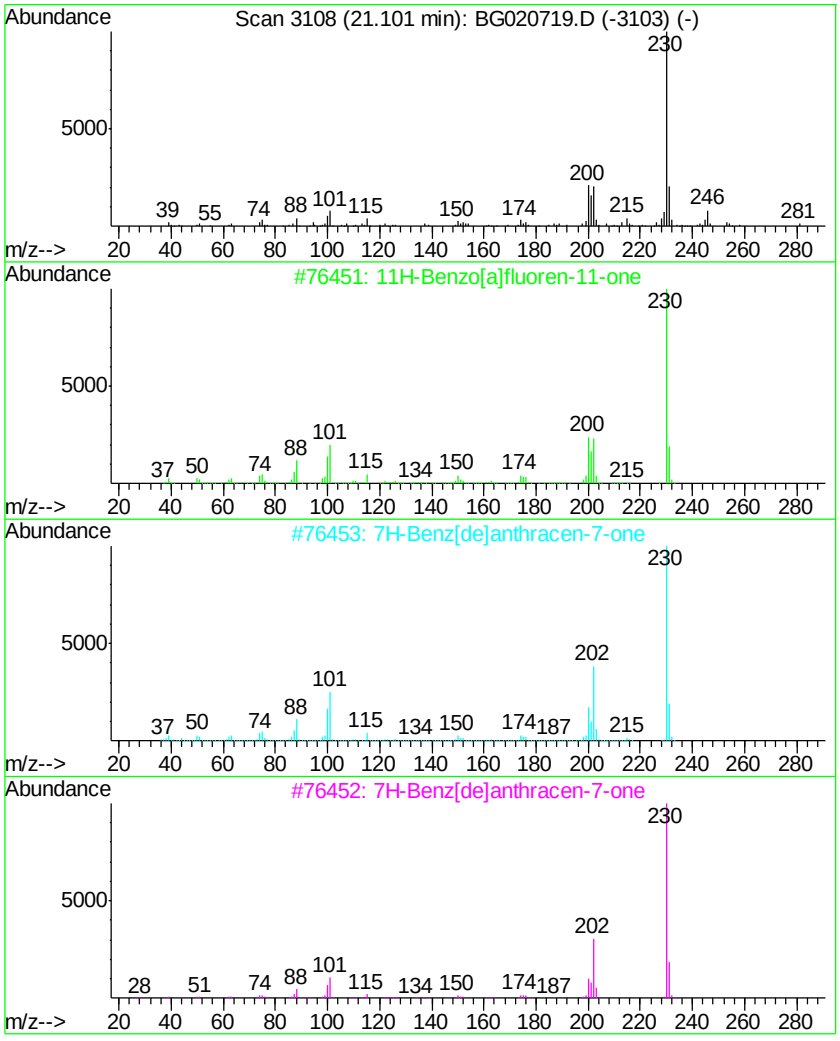
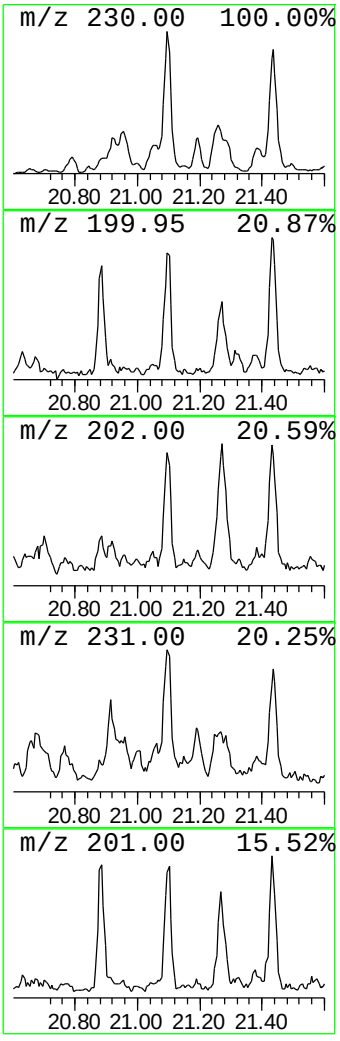
Peak Number 27 11H-Benzo[a]fluoren-11-one Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.17 ng/ul	126248	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	74
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





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Acq On : 14 Jan 2016 3:31
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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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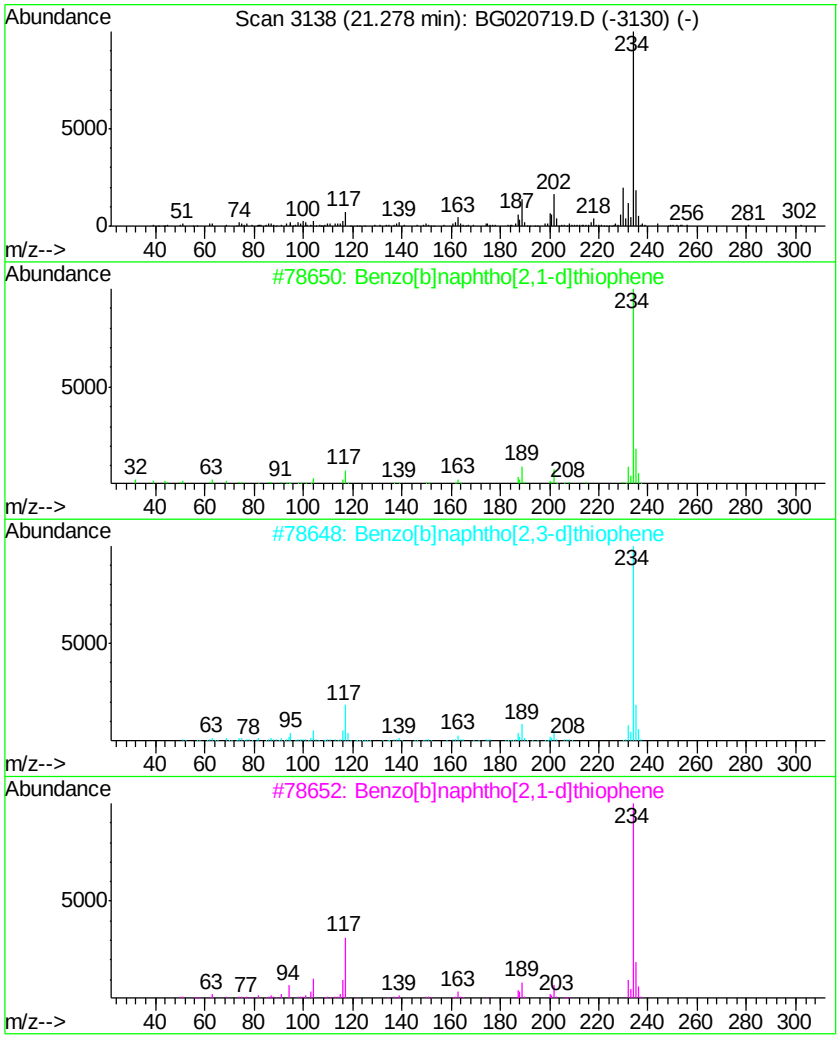
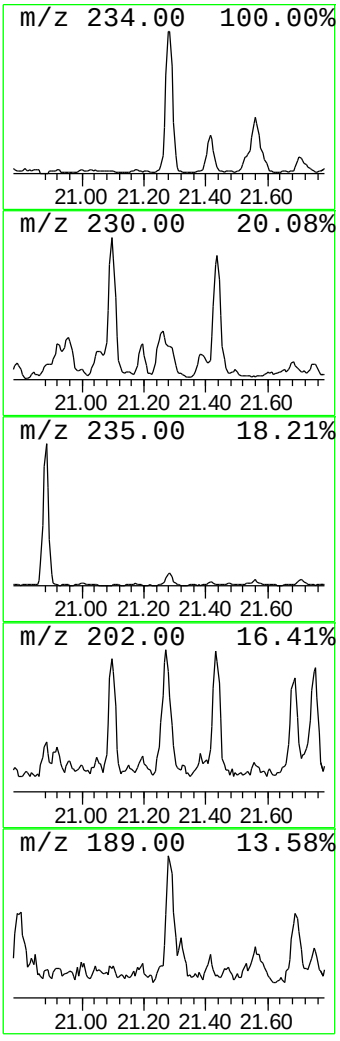
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	4.06 ng/ul	236886	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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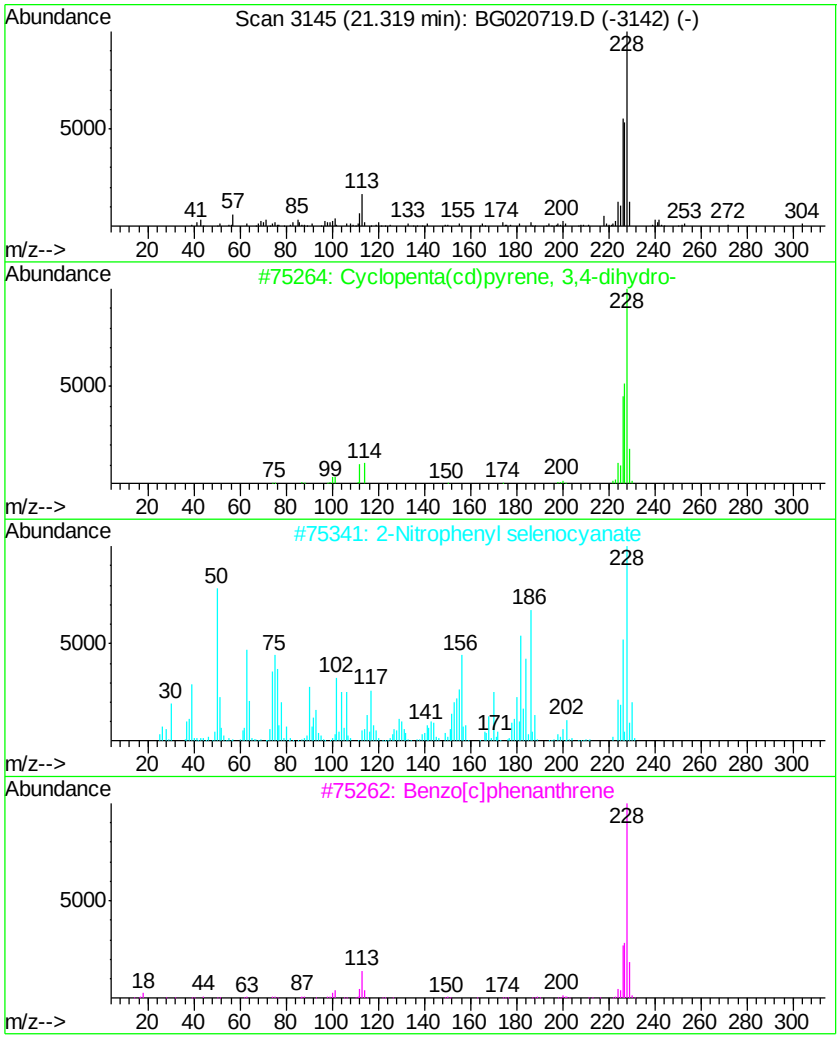
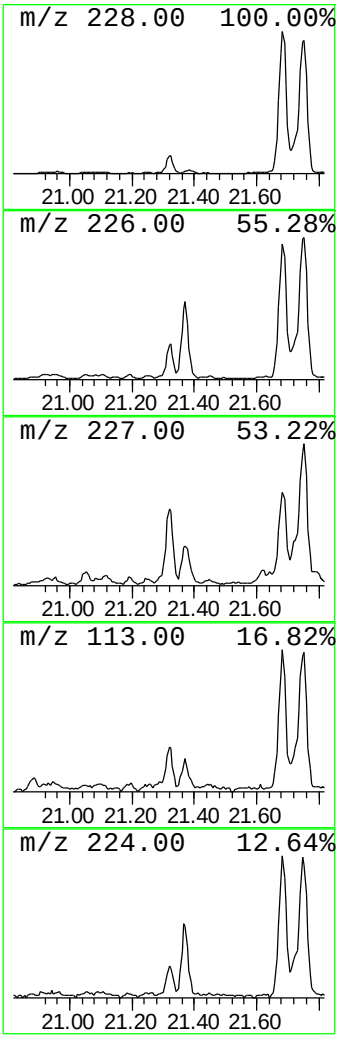
Peak Number 29 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.31 ng/ul	134685	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





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Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
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Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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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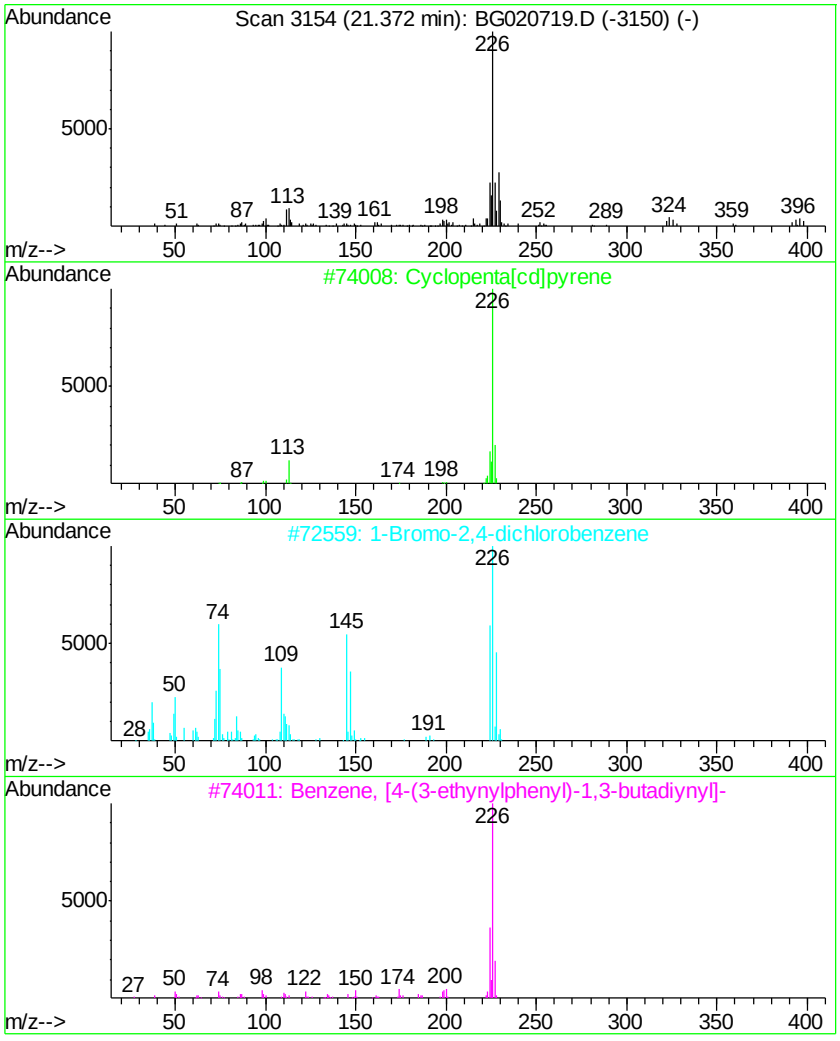
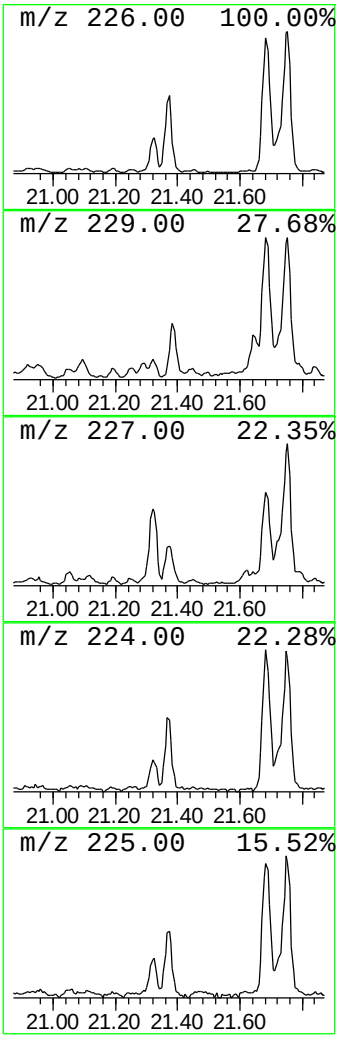
Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.69 ng/ul	156995	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	47
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	37
5	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020719.D
Acq On : 14 Jan 2016 3:31
Operator : SJ/IZ
Sample : H1096-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC933

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
9H-Fluorene, 2-me...	16.73	2.1	ng/ul	35227	4	17.43	329197	20.0
Dibenzothiophene	17.25	2.1	ng/ul	35122	4	17.43	329197	20.0
Dibenzothiophene,...	18.01	3.3	ng/ul	54244	4	17.43	329197	20.0
Phenanthrene, 2-m...	18.30	9.3	ng/ul	152320	4	17.43	329197	20.0
Phenanthrene, 1-m...	18.35	11.9	ng/ul	196442	4	17.43	329197	20.0
4H-Cyclopenta[def...	18.50	14.1	ng/ul	231658	4	17.43	329197	20.0
Anthracene, 9-met...	18.53	6.4	ng/ul	105272	4	17.43	329197	20.0
1,2,4,8-Tetrameth...	18.79	5.8	ng/ul	96080	4	17.43	329197	20.0
9,10-Anthracenedione	18.85	9.8	ng/ul	161226	4	17.43	329197	20.0
Phenanthrene, 2,3...	19.04	4.8	ng/ul	78197	4	17.43	329197	20.0
Phenanthrene, 3,6...	19.13	3.1	ng/ul	51598	4	17.43	329197	20.0
Phenanthrene, 2,5...	19.21	12.0	ng/ul	198000	4	17.43	329197	20.0
Phenanthrene, 2,7...	19.27	6.4	ng/ul	105912	4	17.43	329197	20.0
Naphthalene, 1,2-...	19.30	2.3	ng/ul	37318	4	17.43	329197	20.0
Cyclopenta(def)ph...	19.36	9.0	ng/ul	148161	4	17.43	329197	20.0
unknown-01	19.53	2.3	ng/ul	38096	4	17.43	329197	20.0
7-Isopropenyl-1,4...	19.91	2.1	ng/ul	120062	5	21.70	1165550	20.0
Pyrene, 1-methyl-	20.17	4.0	ng/ul	234626	5	21.70	1165550	20.0
11H-Benzo[b]fluorene	20.33	6.5	ng/ul	378309	5	21.70	1165550	20.0
Fluoranthene, 2-m...	20.49	4.0	ng/ul	234848	5	21.70	1165550	20.0
Mitotane	20.88	7.9	ng/ul	460827	5	21.70	1165550	20.0
11H-Benzo[a]fluor...	21.10	2.2	ng/ul	126248	5	21.70	1165550	20.0
Benzo[b]naphtho[2...	21.28	4.1	ng/ul	236886	5	21.70	1165550	20.0
unknown-02	21.32	2.3	ng/ul	134685	5	21.70	1165550	20.0
Cyclopenta[cd]pyrene	21.37	2.7	ng/ul	156995	5	21.70	1165550	20.0