LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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	3.049	31	36	45	rBV	52829	115748	12.76%	0.760%
2	3.131	45	50	57	rVB	103148	148112	16.33%	0.973%
3	7.203	737	743	756	rBV	40577	71430	7.88%	0.469%
4	7.362	764	770	777	rBV	32054	53728	5.92%	0.353%
5	7.573	800	806	815	rBV	41196	72694	8.01%	0.478%
6	8.043	880	886	896	rVB	44296	75083	8.28%	0.493%
7	8.754	1001	1007	1017	rBV	49194	88185	9.72%	0.579%
8	9.212	1078	1085	1097	rVB	43199	74682	8.23%	0.491%
9	9.935	1202	1208	1217	rBV	35206	64576	7.12%	0.424%
10	10.482	1295	1301	1314	rVB	59965	105351	11.61%	0.692%
11	10.858	1356	1365	1371	rBV	70683	124952	13.78%	0.821%
12	10.999	1383	1389	1398	rBV2	29384	57143	6.30%	0.375%
13	14.077	1905	1913	1918	rVV	130635	195301	21.53%	1.283%
14	14.124	1918	1921	1929	rVV	42795	60303	6.65%	0.396%
15	14.377	1957	1964	1974	rBV	139299	227877	25.12%	1.497%
16	14.682	2008	2016	2022	rBV2	129548	207930	22.92%	1.366%
17	14.894	2046	2052	2063	rBV2	24299	52265	5.76%	0.343%
18	15.670	2178	2184	2190	rVV	199380	297265	32.77%	1.953%
19	15.799	2201	2206	2213	rBV	43939	72598	8.00%	0.477%
20	16.398	2305	2308	2315	rVB5	15233	26398	2.91%	0.173%
21	17.080	2418	2424	2430	rBV2	15436	26922	2.97%	0.177%
22	17.426	2477	2483	2487	rBV	178359	281533	31.04%	1.849%
23	17.467	2487	2490	2495	rVB	211601	302185	33.32%	1.985%
24	17.526	2495	2500	2505	rBV	224757	327638	36.12%	2.152%
25	17.620	2510	2516	2521	rVV3	13423	31079	3.43%	0.204%
26	17.832	2546	2552	2558	rBV2	21819	43837	4.83%	0.288%
27	18.008	2575	2582	2588	rVB2	22285	41581	4.58%	0.273%
28	18.155	2602	2607	2614	rVB	10155	21262	2.34%	0.140%
29	18.302	2627	2632	2636	rBV	90654	133151	14.68%	0.875%
30	18.349	2636	2640	2647	rVB	109986	166510	18.36%	1.094%
31	18.431	2649	2654	2659	rBV3	21577	36527	4.03%	0.240%
32	18.490	2659	2664	2669	rVV2	107322	218280	24.07%	1.434%
33	18.531	2669	2671	2677	rVB	77029	96860	10.68%	0.636%
34	18.690	2695	2698	2703	rVB5	14257	21405	2.36%	0.141%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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	18.795	2711	2716	2720	rBV2	53897	79821	8.80%	0.524%
36	18.848	2720	2725	2733	rVB	71366	115497	12.73%	0.759%
37	19.036	2749	2757	2761	rBV4	36116	73749	8.13%	0.484%
38	19.089	2763	2766	2770	rBV	36829	41569	4.58%	0.273%
39	19.130	2770	2773	2777	rVB2	30806	38192	4.21%	0.251%
40	19.212	2781	2787	2791	rBV	129435	200352	22.09%	1.316%
41	19.265	2791	2796	2800	rBV3	33396	61439	6.77%	0.404%
42	19.359	2806	2812	2823	rBV5	56406	154547	17.04%	1.015%
43	19.477	2826	2832	2838	rVB	513339	747853	82.45%	4.913%
44	19.536	2838	2842	2845	rBV	29948	40679	4.48%	0.267%
45	19.571	2845	2848	2853	rVB3	33005	42424	4.68%	0.279%
46	19.677	2862	2866	2869	rBV2	21541	30826	3.40%	0.202%
47	19.718	2869	2873	2876	rBV3	24279	35338	3.90%	0.232%
48	19.812	2883	2889	2891	rBV2	347210	513272	56.59%	3.372%
49	19.841	2891	2894	2901	rVB	628101	907041	100.00%	5.958%
50	19.912	2901	2906	2912	rBV	67445	108121	11.92%	0.710%
51	20.023	2922	2925	2929	rVB3	23630	31913	3.52%	0.210%
52	20.070	2929	2933	2941	rVB3	40818	81007	8.93%	0.532%
53	20.170	2941	2950	2956	rBV5	86659	232844	25.67%	1.530%
54	20.329	2966	2977	2985	rVB	128905	340876	37.58%	2.239%
55	20.429	2990	2994	2998	rVV2	74300	111155	12.25%	0.730%
56	20.487	2998	3004	3008	rVV2	119018	199378	21.98%	1.310%
57	20.523	3008	3010	3014	rVB2	23409	28515	3.14%	0.187%
58	20.628	3024	3028	3032	rBV	111333	151671	16.72%	0.996%
59	20.675	3032	3036	3039	rVV	77436	100475	11.08%	0.660%
60	20.881	3067	3071	3074	rBV3	38971	56234	6.20%	0.369%
61	20.916	3074	3077	3080	rVV3	23691	37686	4.15%	0.248%
62	21.057	3095	3101	3103	rBV5	28130	58174	6.41%	0.382%
63	21.093	3104	3107	3113	rVB	78646	124541	13.73%	0.818%
64	21.187	3120	3123	3128	rVB	29808	45743	5.04%	0.300%
65	21.281	3129	3139	3142	rBV4	87816	208135	22.95%	1.367%
66	21.316	3142	3145	3150	rVV2	87283	133843	14.76%	0.879%
67	21.369	3150	3154	3159	rVV2	66306	116909	12.89%	0.768%
68	21.433	3162	3165	3171	rVB	58886	96187	10.60%	0.632%
69	21.686	3202	3208	3215	rBV2	327542	897814	98.98%	5.898%
70	21.751	3215	3219	3230	rVB	311355	533655	58.83%	3.506%
71	21.851	3232	3236	3240	rVB5	30350	51046	5.63%	0.335%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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	21.903	3241	3245	3250	rBV2	41370	65196	7.19%	0.428%
73	21.980	3253	3258	3260	rBV3	27526	46276	5.10%	0.304%
74	22.115	3276	3281	3287	rBV4	28748	63518	7.00%	0.417%
75	22.174	3287	3291	3297	rVV3	24212	42054	4.64%	0.276%
76	22.356	3318	3322	3327	rBV2	22928	45579	5.03%	0.299%
77	22.438	3327	3336	3341	rVV	96125	247652	27.30%	1.627%
78	22.509	3344	3348	3356	rVB	55077	110656	12.20%	0.727%
79	22.708	3377	3382	3387	rBV	51888	100507	11.08%	0.660%
80	22.849	3400	3406	3412	rBV5	35978	81401	8.97%	0.535%
81	23.290	3477	3481	3485	rBV3	12710	23192	2.56%	0.152%
82	23.543	3519	3524	3532	rVB8	25434	58927	6.50%	0.387%
83	23.925	3580	3589	3596	rBV	177017	613448	67.63%	4.030%
84	24.183	3627	3633	3639	rVB2	32468	77922	8.59%	0.512%
85	24.383	3661	3667	3669	rBV6	15490	29465	3.25%	0.194%
86	24.653	3704	3713	3719	rBV	123702	342427	37.75%	2.249%
87	24.735	3720	3727	3732	rVV	151616	414042	45.65%	2.720%
88	24.806	3732	3739	3749	rVV	176840	499216	55.04%	3.279%
89	24.959	3751	3765	3771	rVV3	113098	379364	41.82%	2.492%
90	25.035	3773	3778	3793	rVB3	43287	154388	17.02%	1.014%
91	25.188	3802	3804	3812	rVB6	12443	27671	3.05%	0.182%
92	25.734	3891	3897	3901	rVV4	14106	33404	3.68%	0.219%
93	26.034	3941	3948	3958	rVB8	33448	106188	11.71%	0.698%
94	26.345	3995	4001	4013	rBV6	23740	68774	7.58%	0.452%
95	28.190	4307	4315	4316	rBV7	15014	32791	3.62%	0.215%
96	28.678	4387	4398	4416	rVB3	75848	375035	41.35%	2.464%
97	29.154	4472	4479	4491	rVB3	16003	64428	7.10%	0.423%
98	29.295	4496	4503	4504	rBV2	16659	27214	3.00%	0.179%
99	29.841	4584	4596	4613	rVB3	61619	295964	32.63%	1.944%
100	30.464	4693	4702	4703	rBV2	13143	27716	3.06%	0.182%

Sum of corrected areas: 15223327

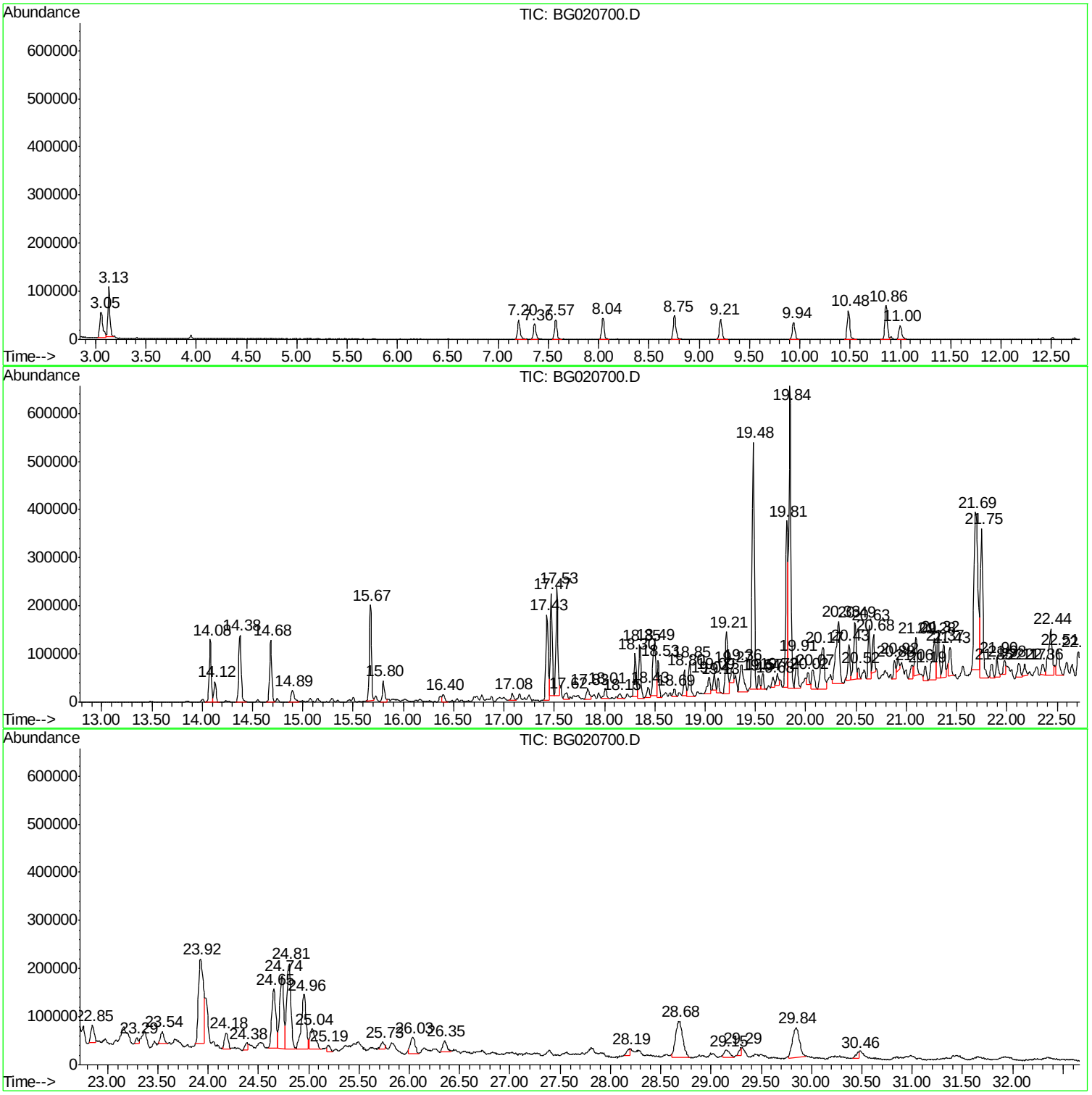
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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

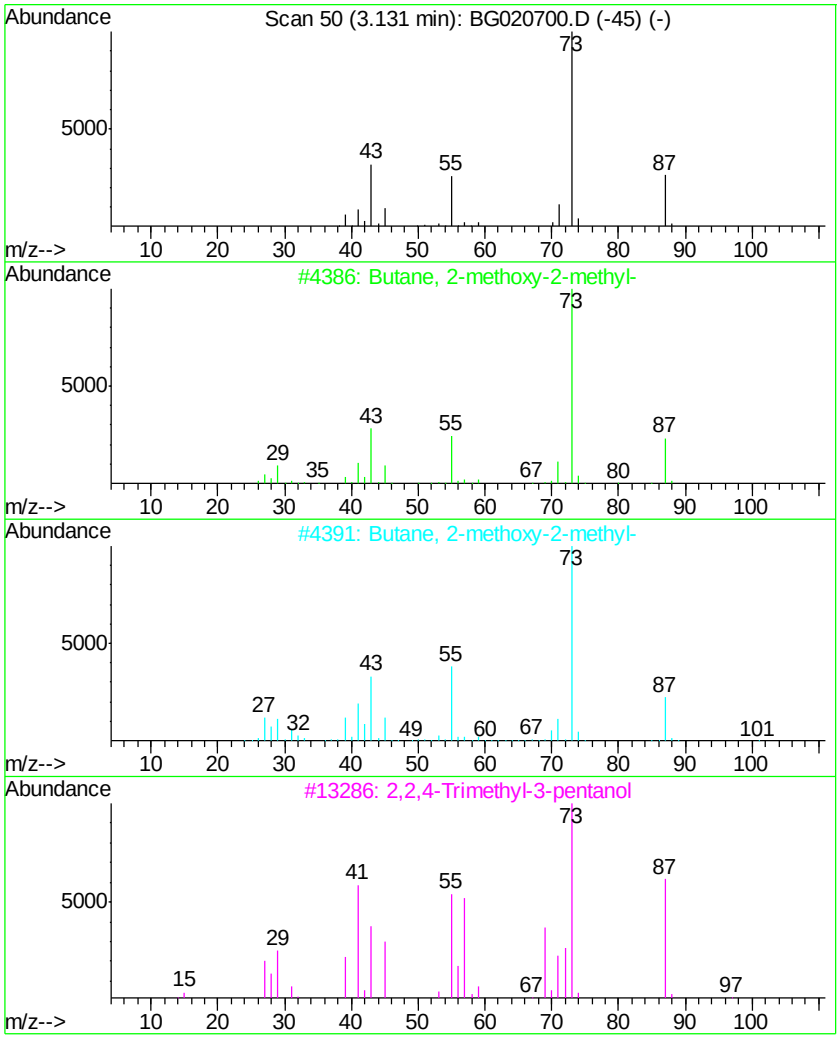
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

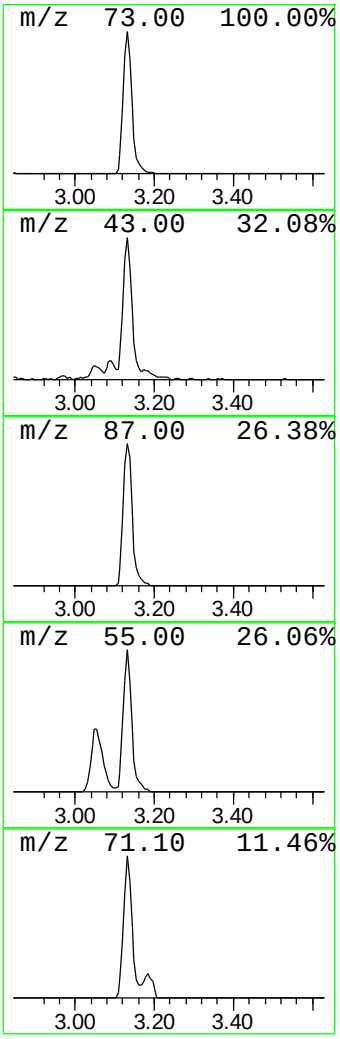
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	39.45 ng/ul	148112	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	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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

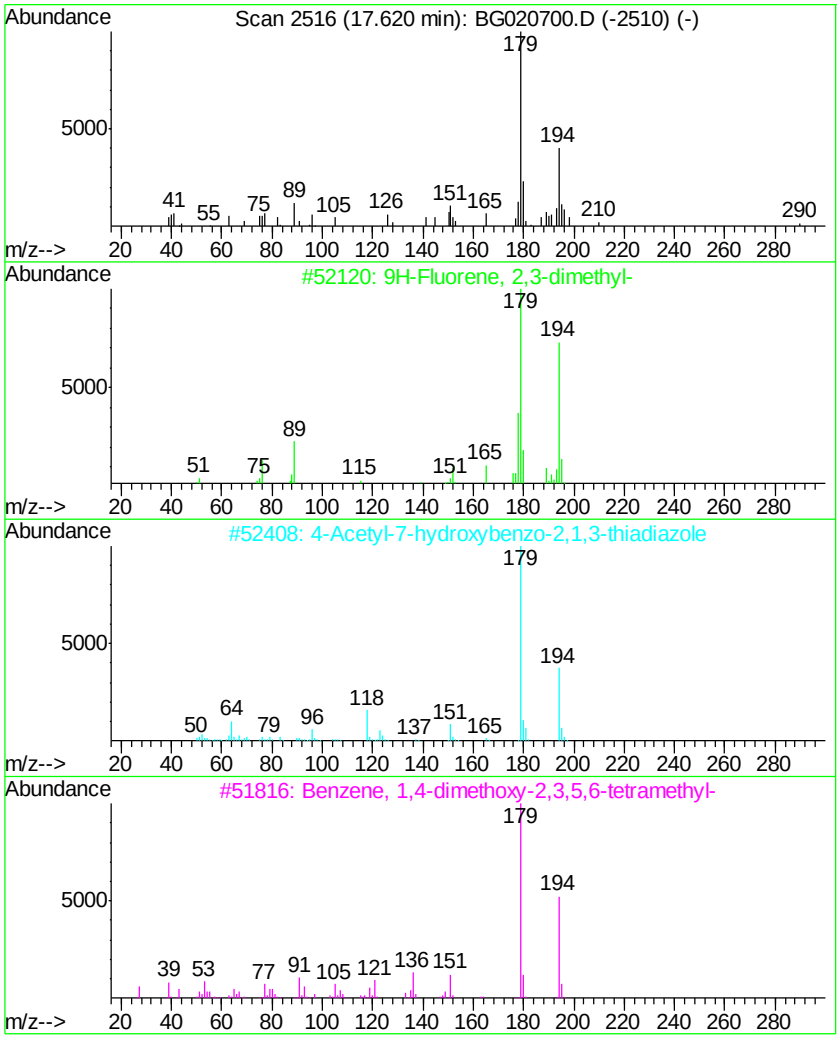
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

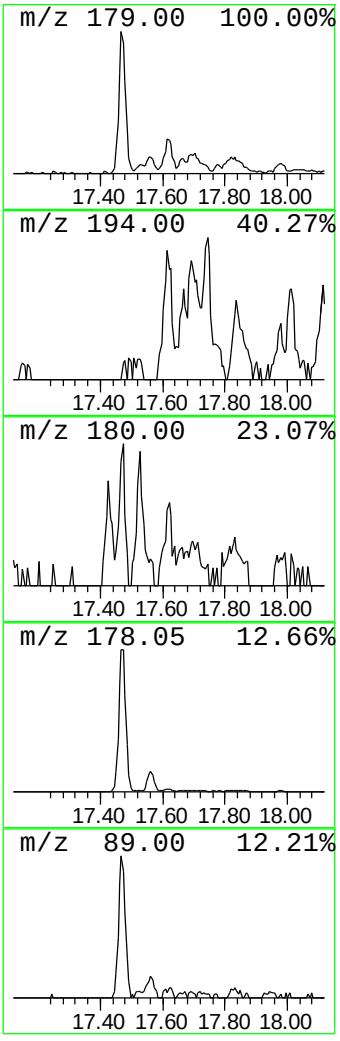
****

Peak Number 3 9H-Fluorene, 2,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	2.21 ng/ul	31079	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	64
2	4-Acetyl-7-hydroxybenzo-2,1,3-th...	194	C8H6N2O2S	120893-38-1	59
3	Benzene, 1,4-dimethoxy-2,3,5,6-t...	194	C12H18O2	013199-54-7	59
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	59
5	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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

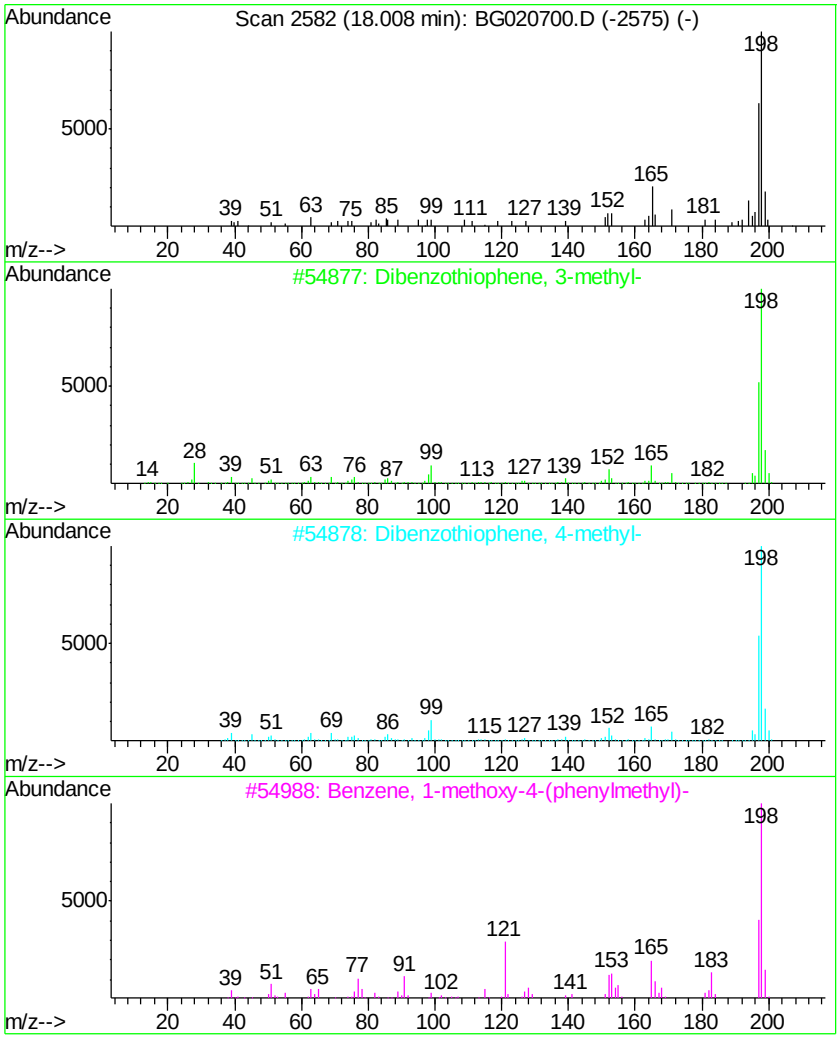
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

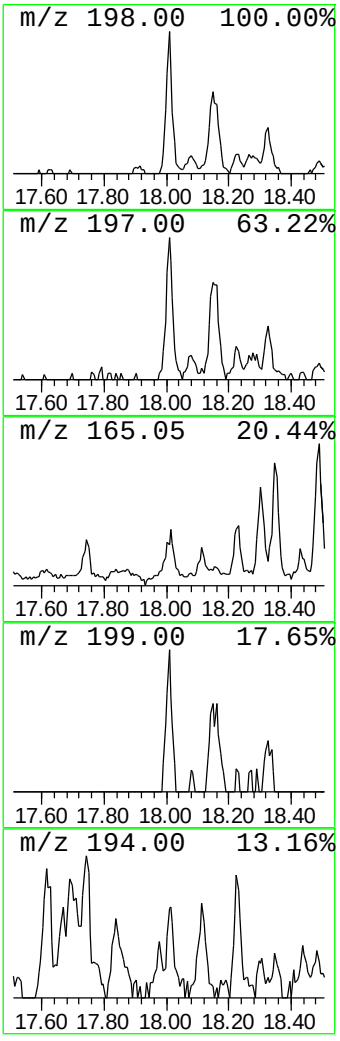
****

Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.95 ng/ul	41581	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	64
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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

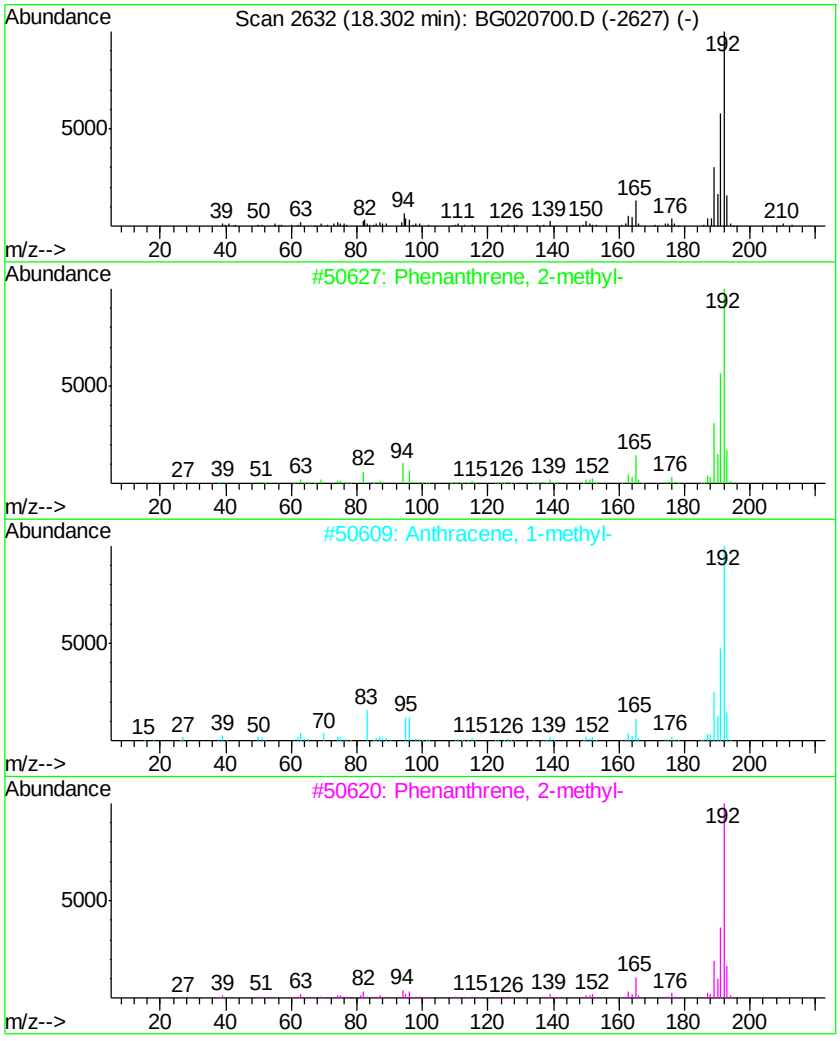
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

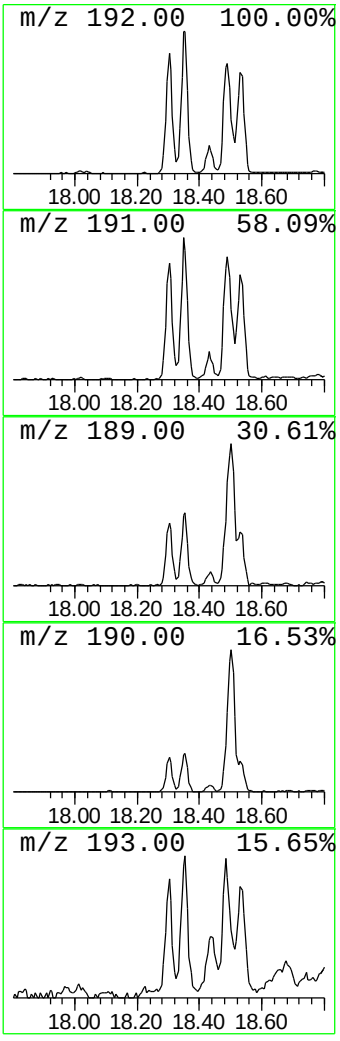
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	9.46 ng/ul	133151	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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

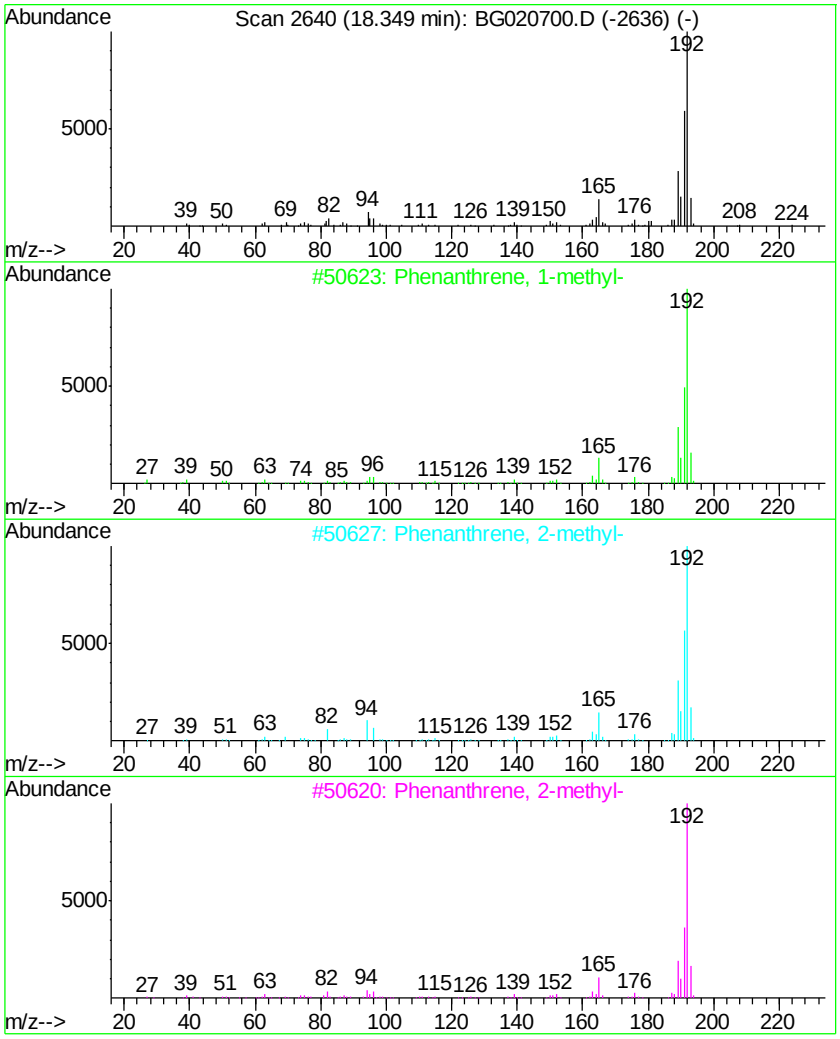
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

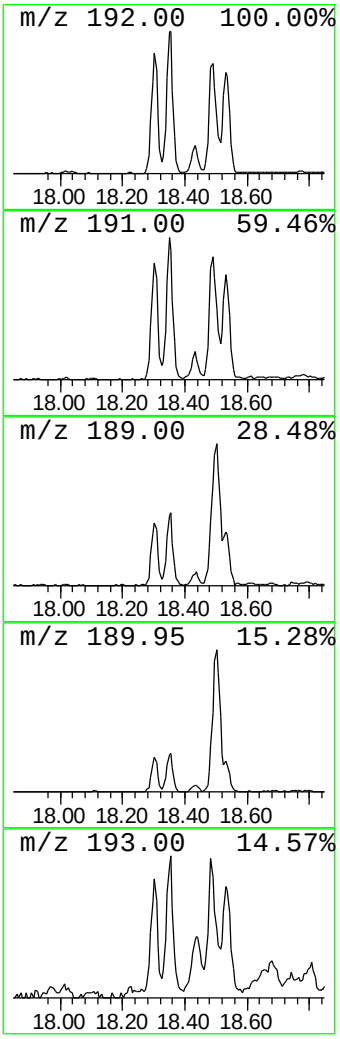
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	11.83 ng/ul	166510	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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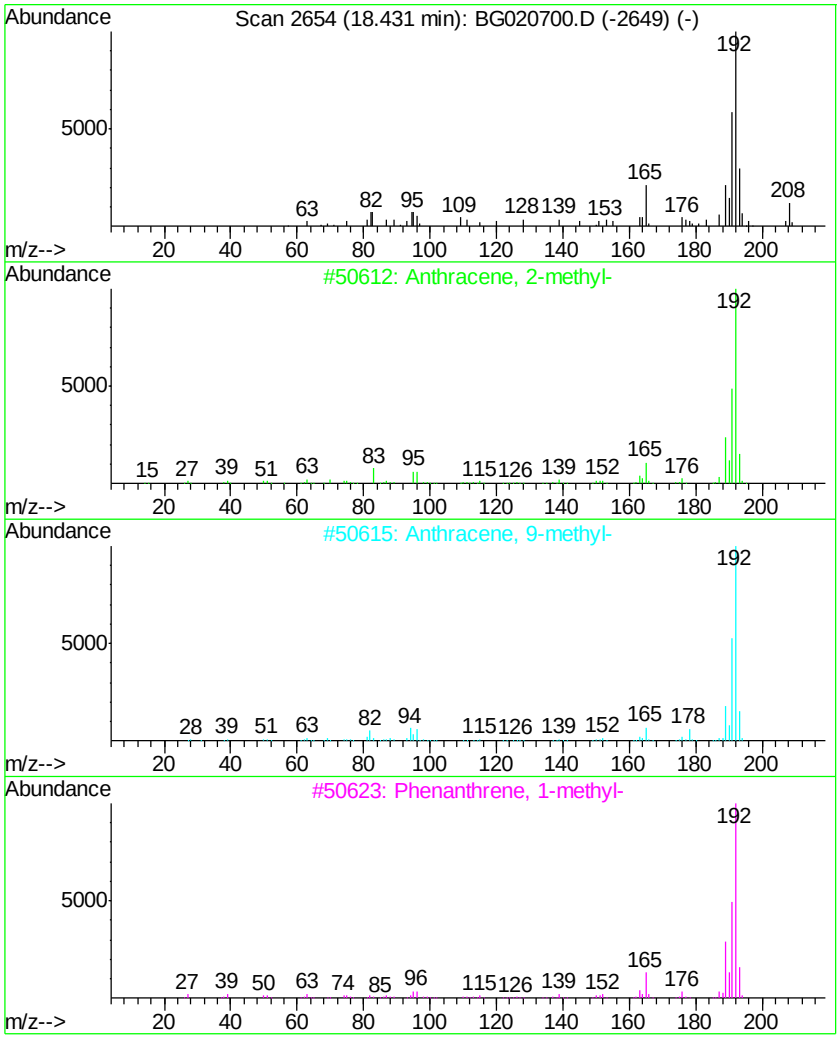
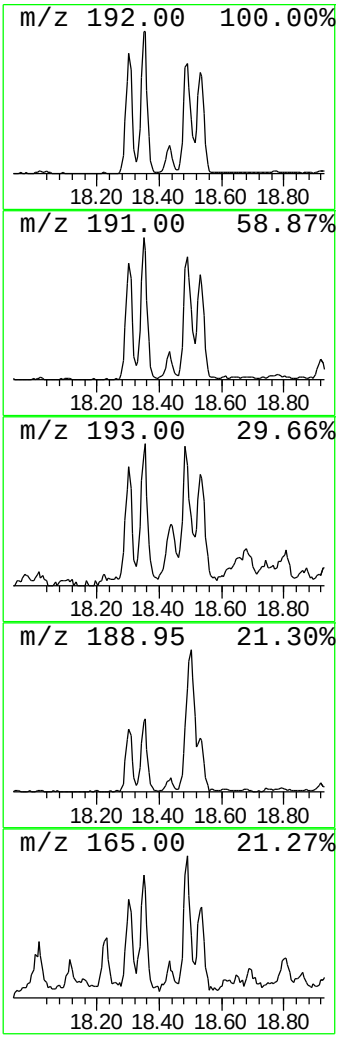
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.59 ng/ul	36527	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76





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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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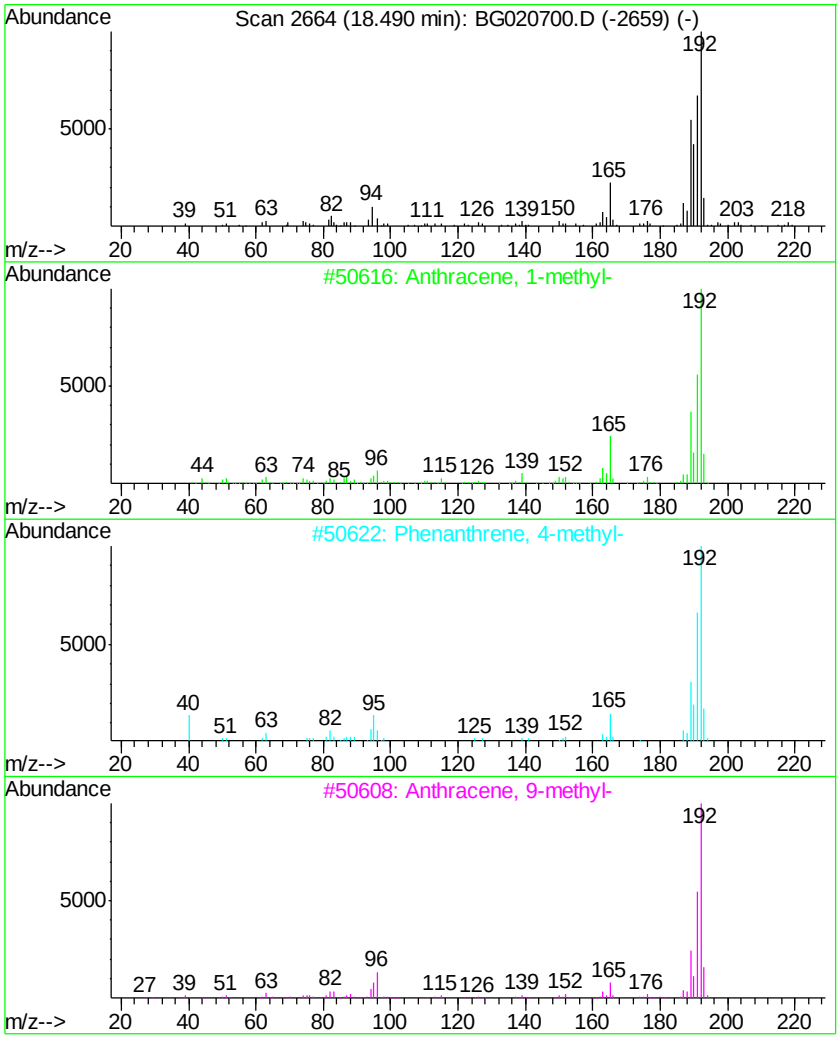
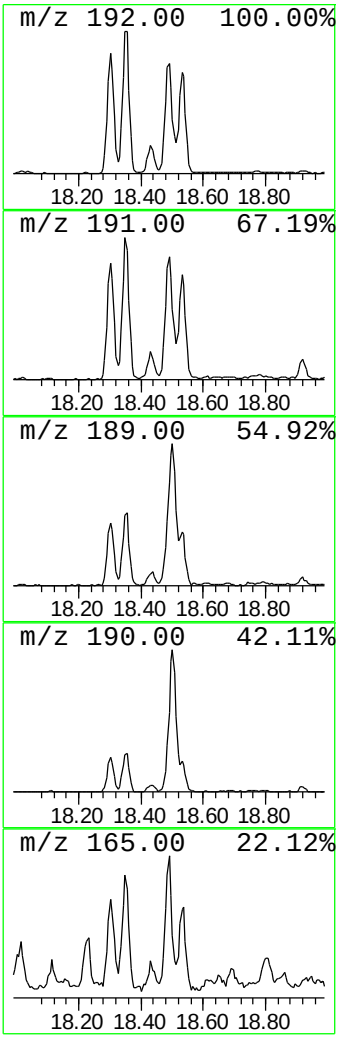
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	15.51 ng/ul	218280	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	58
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	53
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53





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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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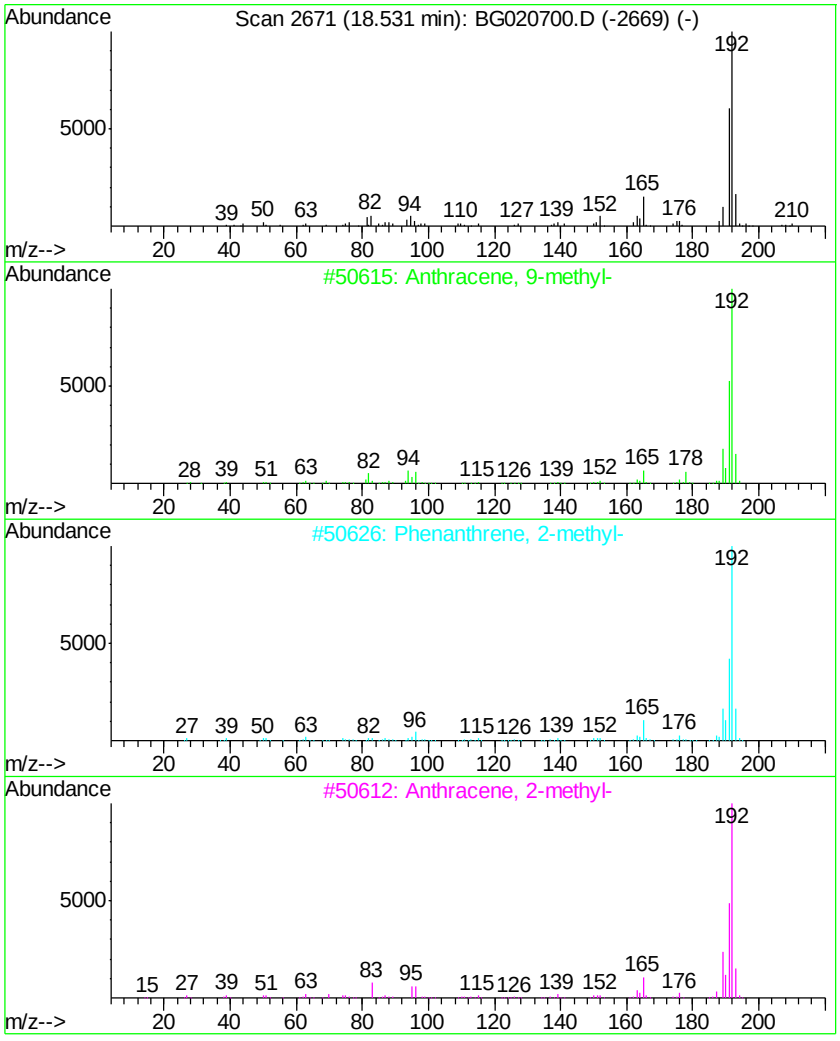
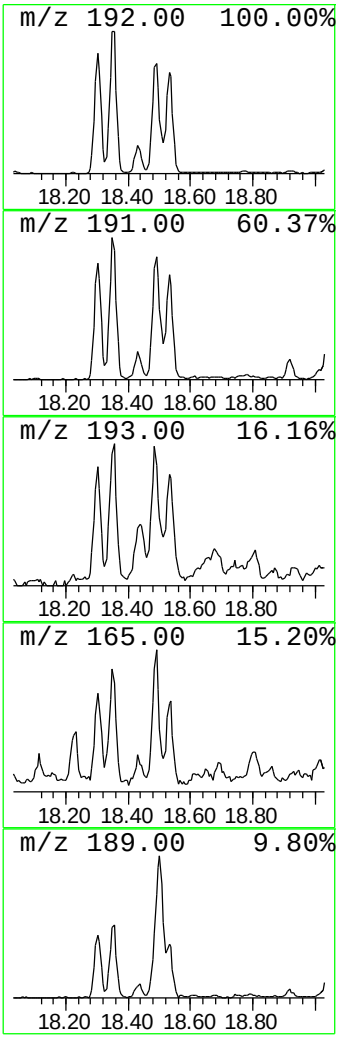
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	6.88 ng/ul	96860	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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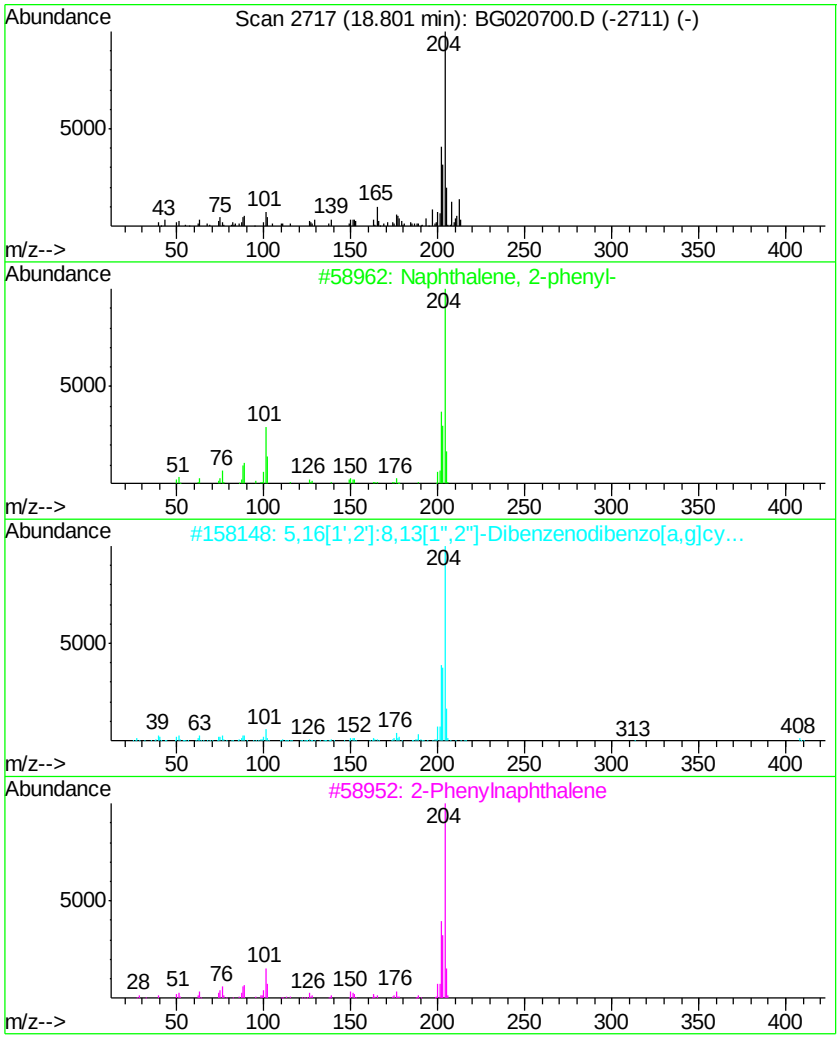
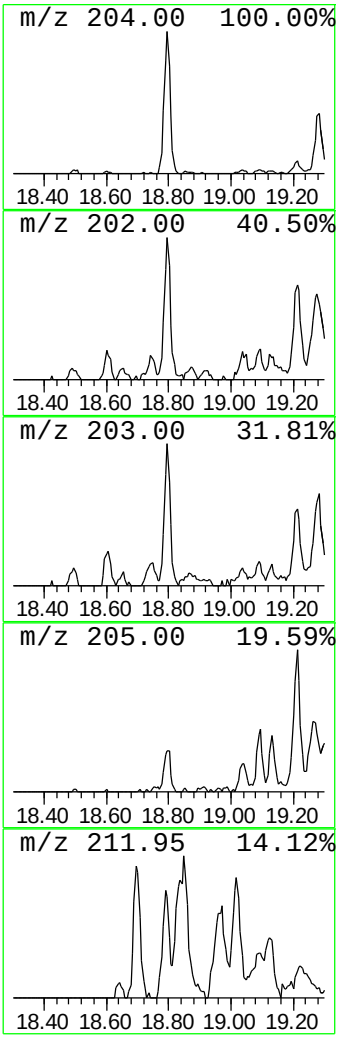
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	5.67 ng/ul	79821	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	55
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	46





Library Search Compound Report

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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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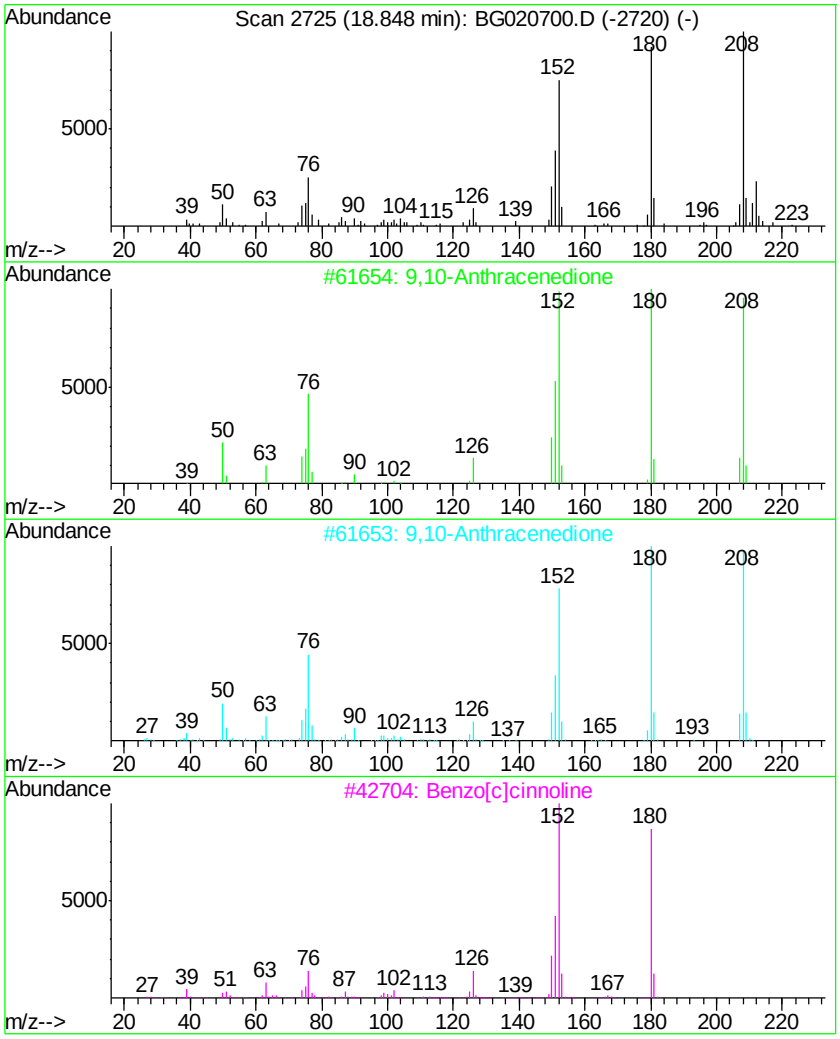
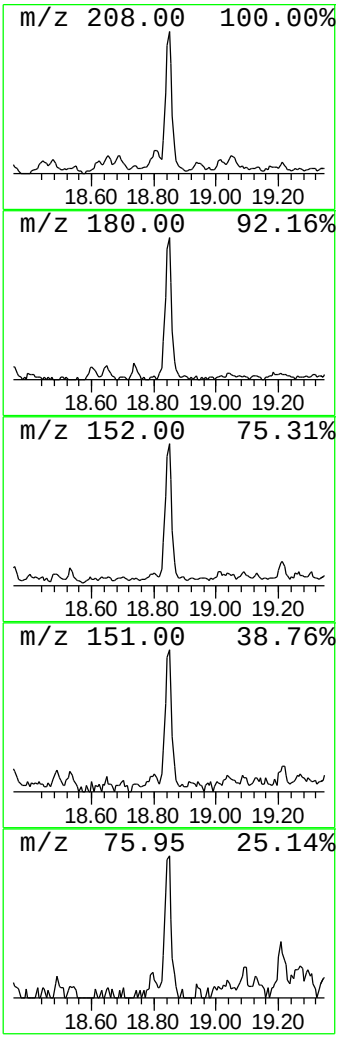
Peak Number 11 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	8.20 ng/ul	115497	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	96
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64





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Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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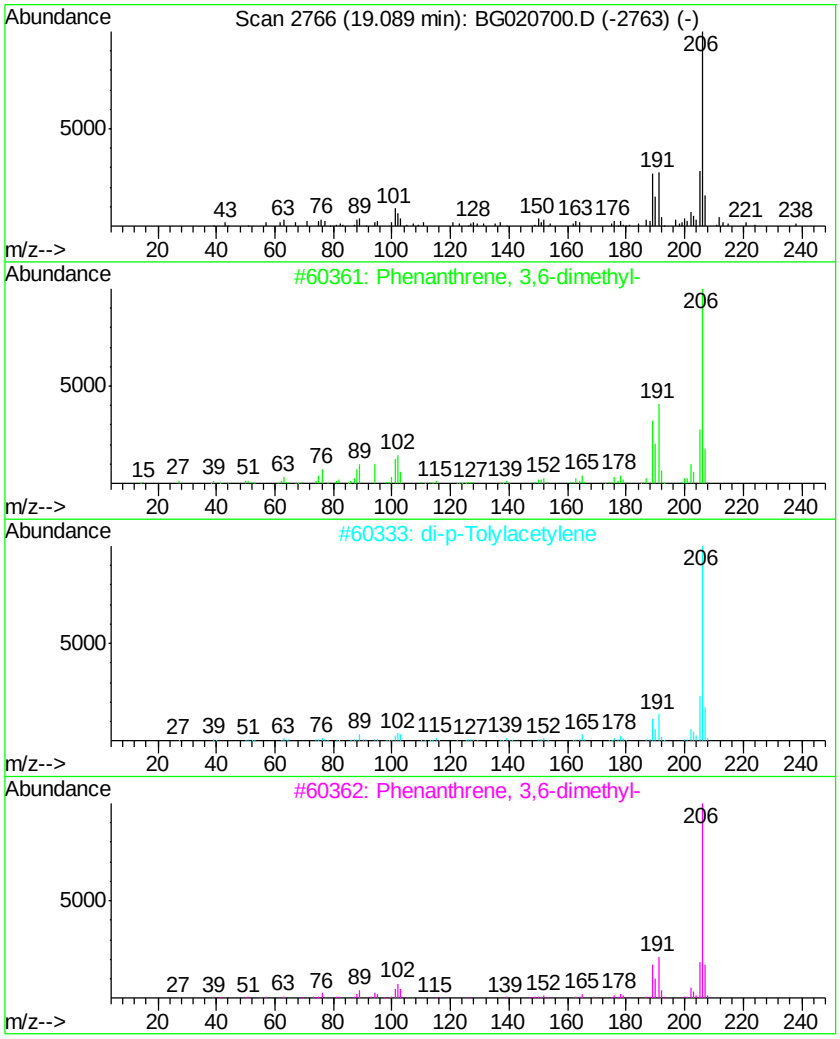
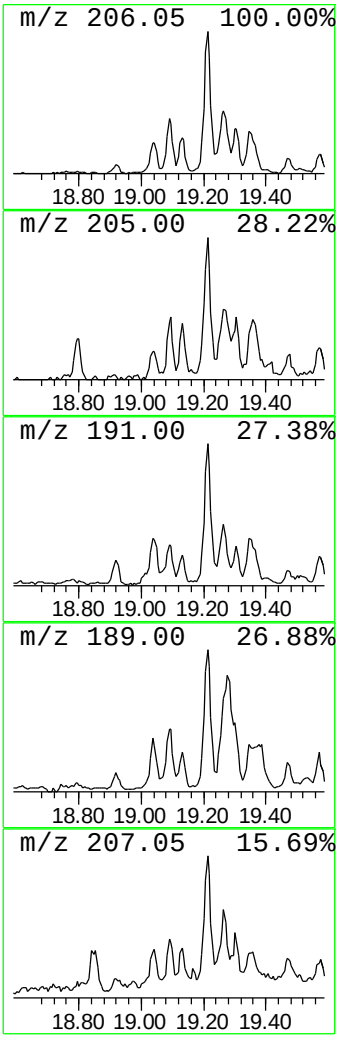
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.95 ng/ul	41569	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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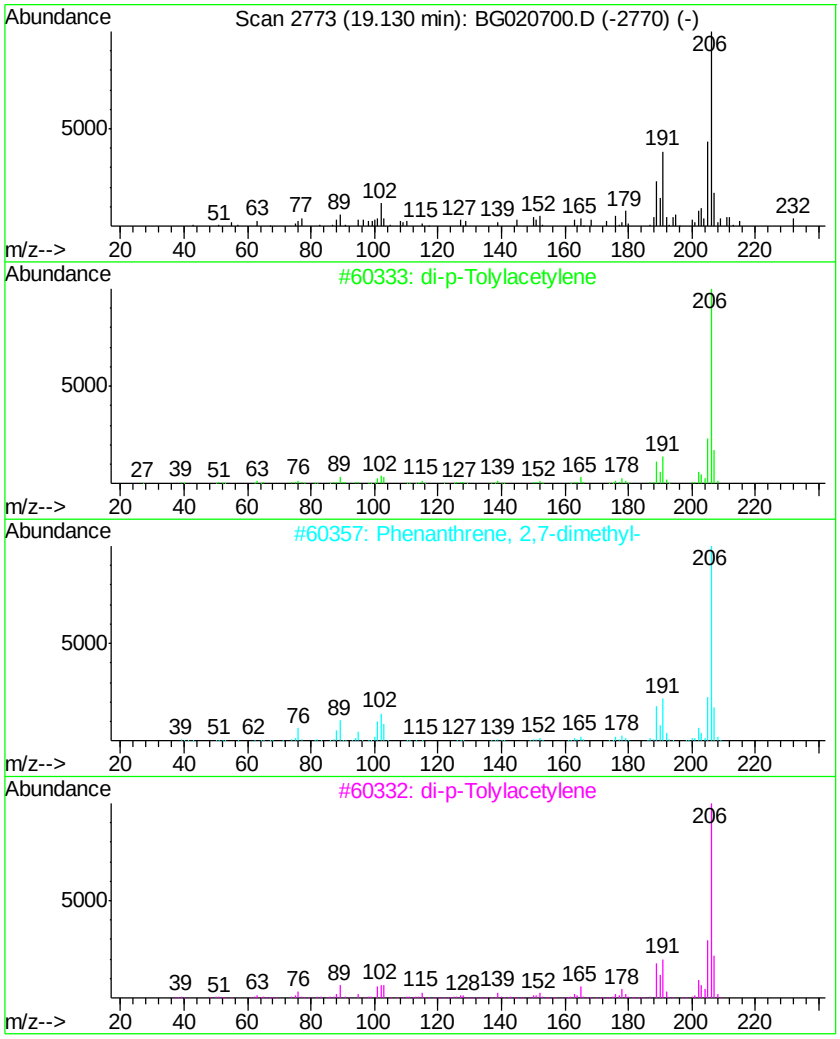
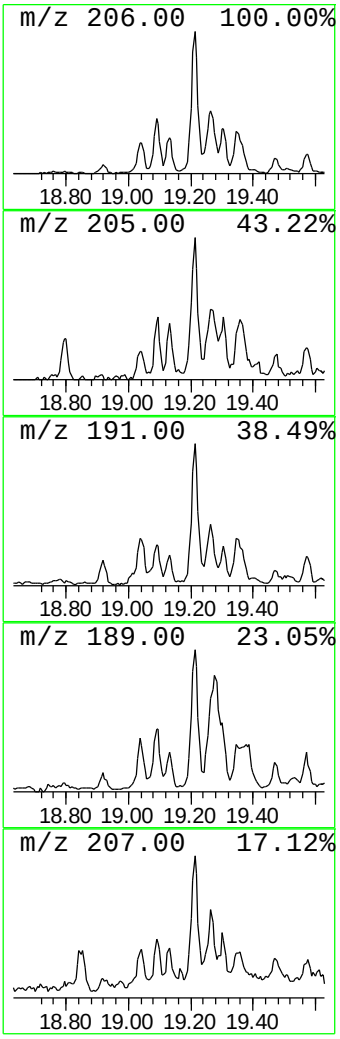
Peak Number 14 di-p-Tolylacetylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.71 ng/ul	38192	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70





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Sample : H1094-11
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Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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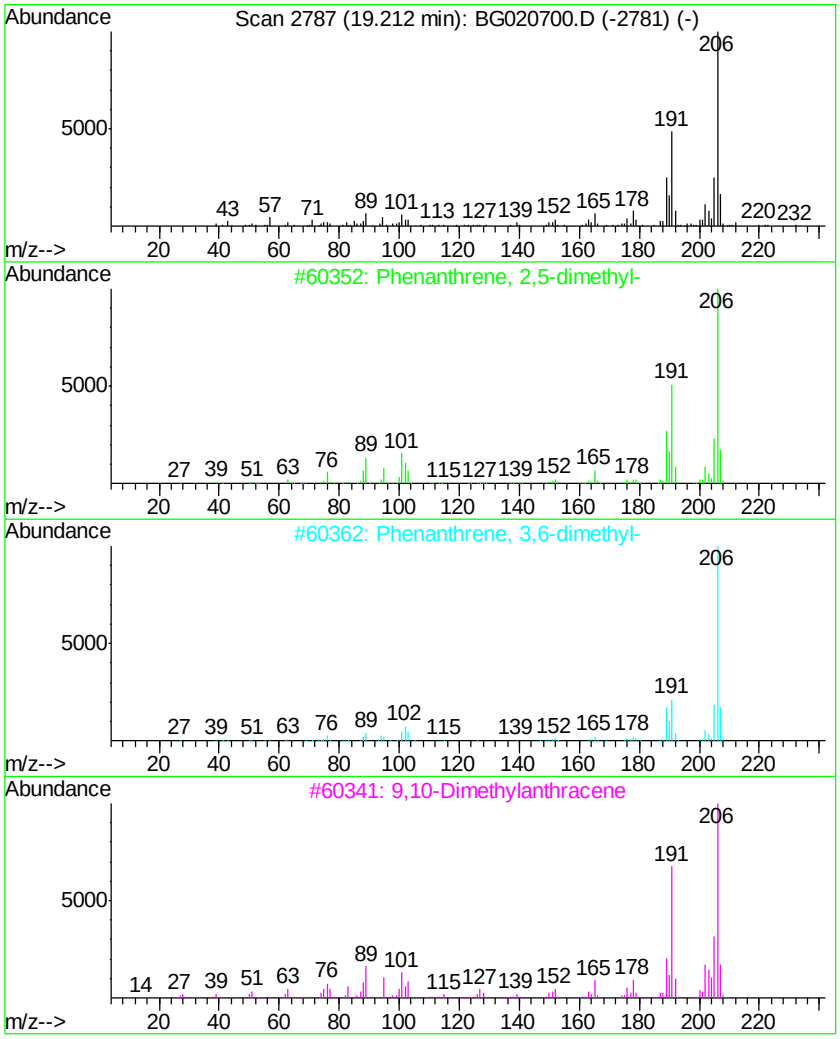
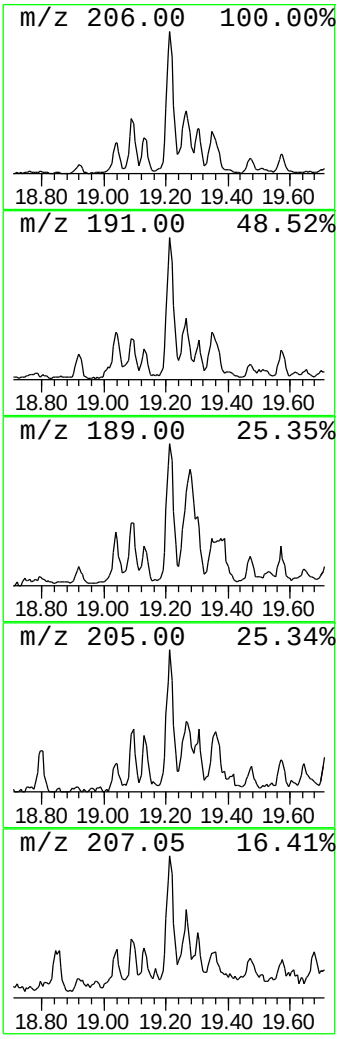
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	14.23 ng/ul	200352	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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : H1094-11
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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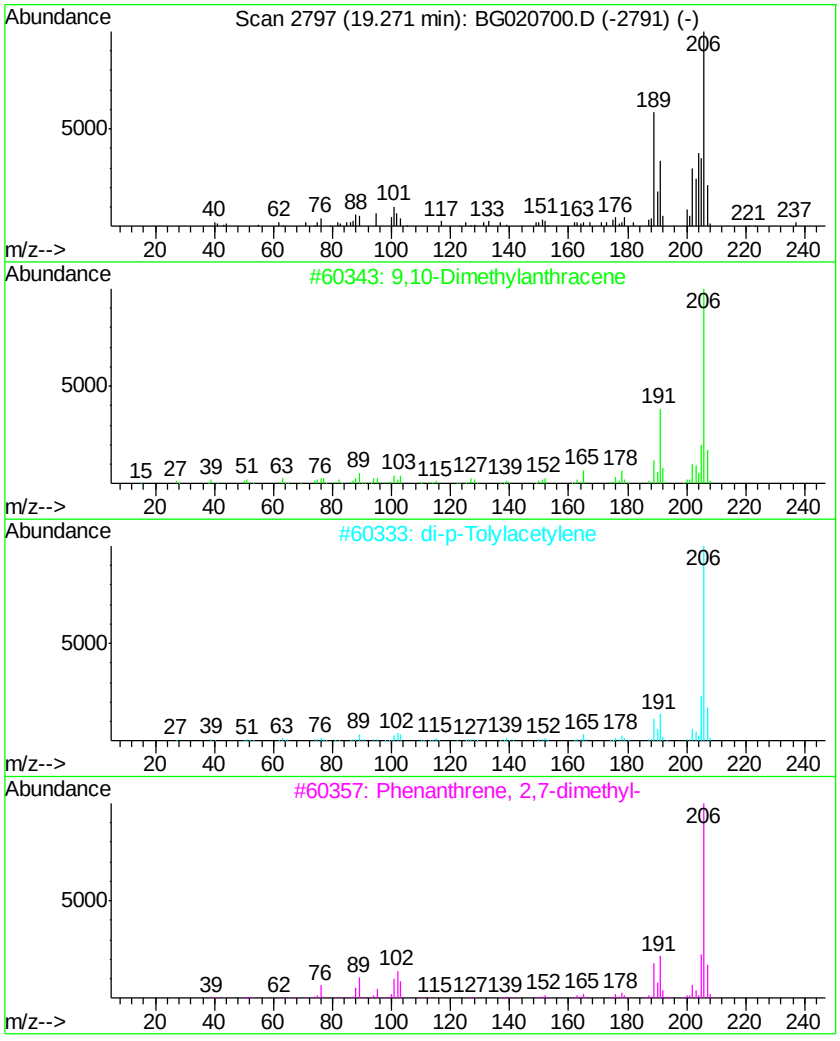
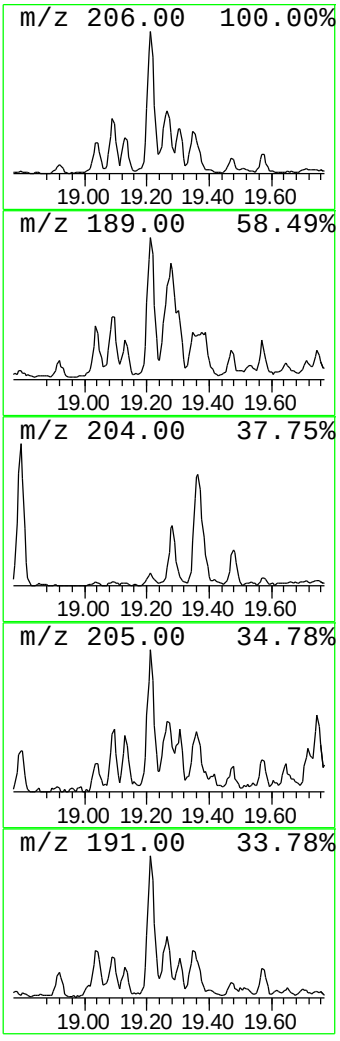
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	4.36 ng/ul	61439	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Misc :
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Quant Title : SVOA CALIBRATION

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

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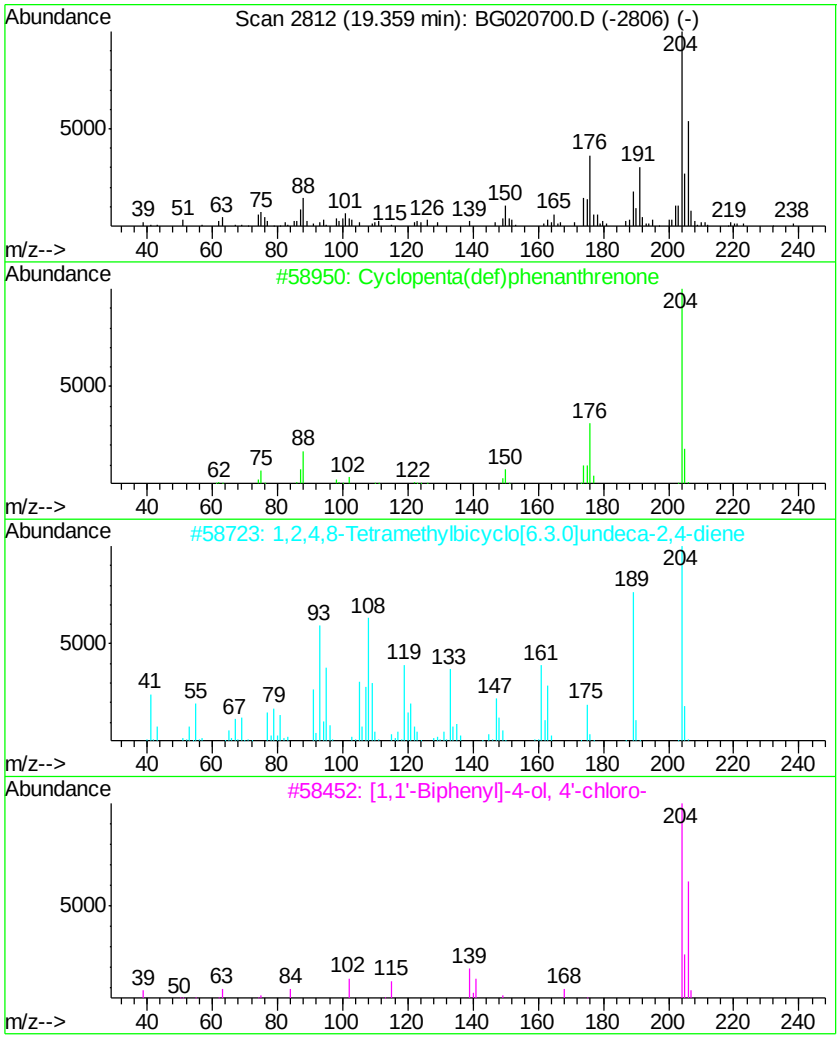
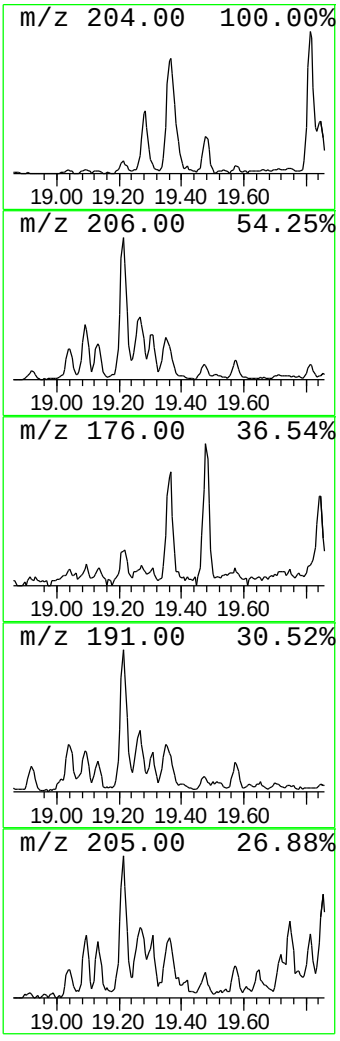
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	10.98 ng/ul	154547	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	41
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	30





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Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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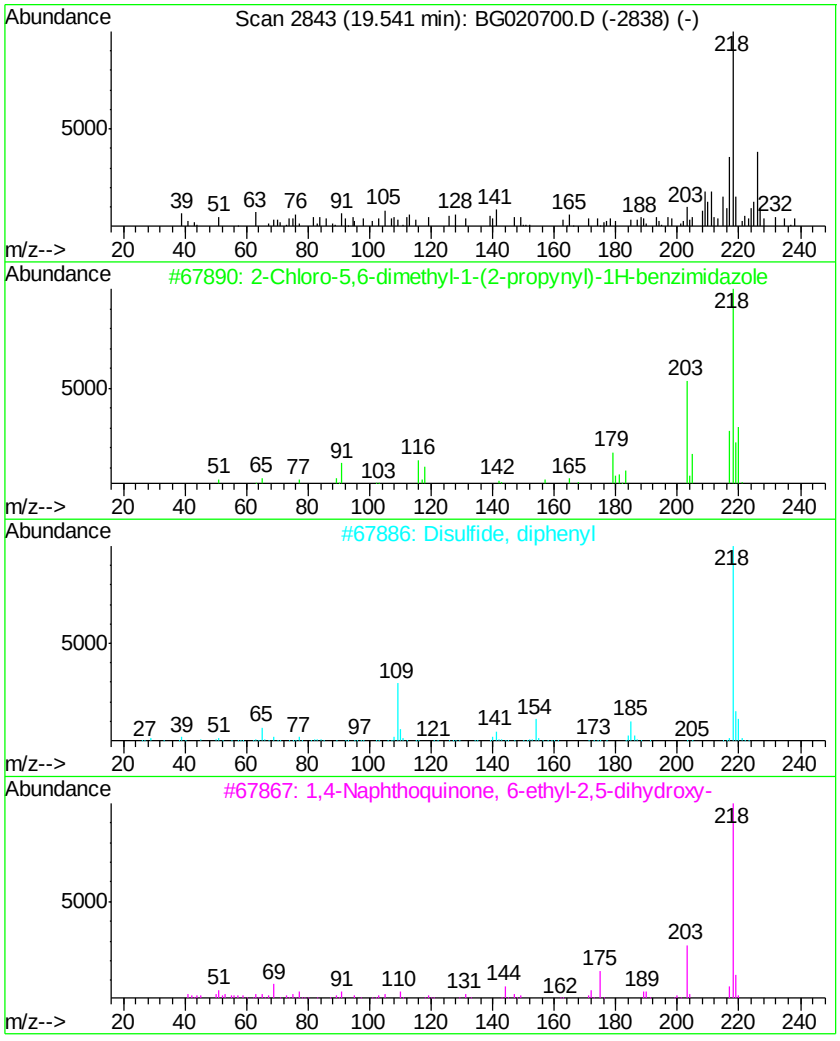
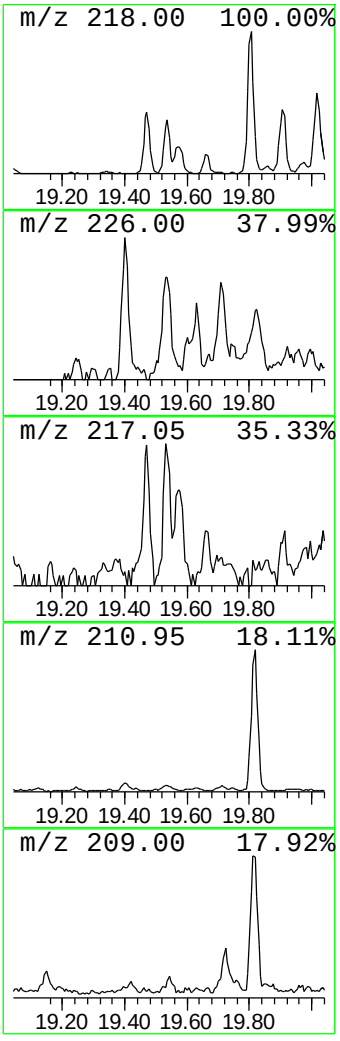
Peak Number 18 2-Chloro-5,6-dimethyl-1-(2-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	2.89 ng/ul	40679	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	50
2	Disulfide, diphenyl	218	C12H10S2	000882-33-7	46
3	1,4-Naphthoquinone, 6-ethyl-2,5-...	218	C12H10O4	013378-87-5	43
4	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	43
5	2-(3-Cyano-6,7,8,9-tetrahydro-5H...	373	C17H19N5OS2	1000294-83-0	40





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Acq On : 13 Jan 2016 10:25
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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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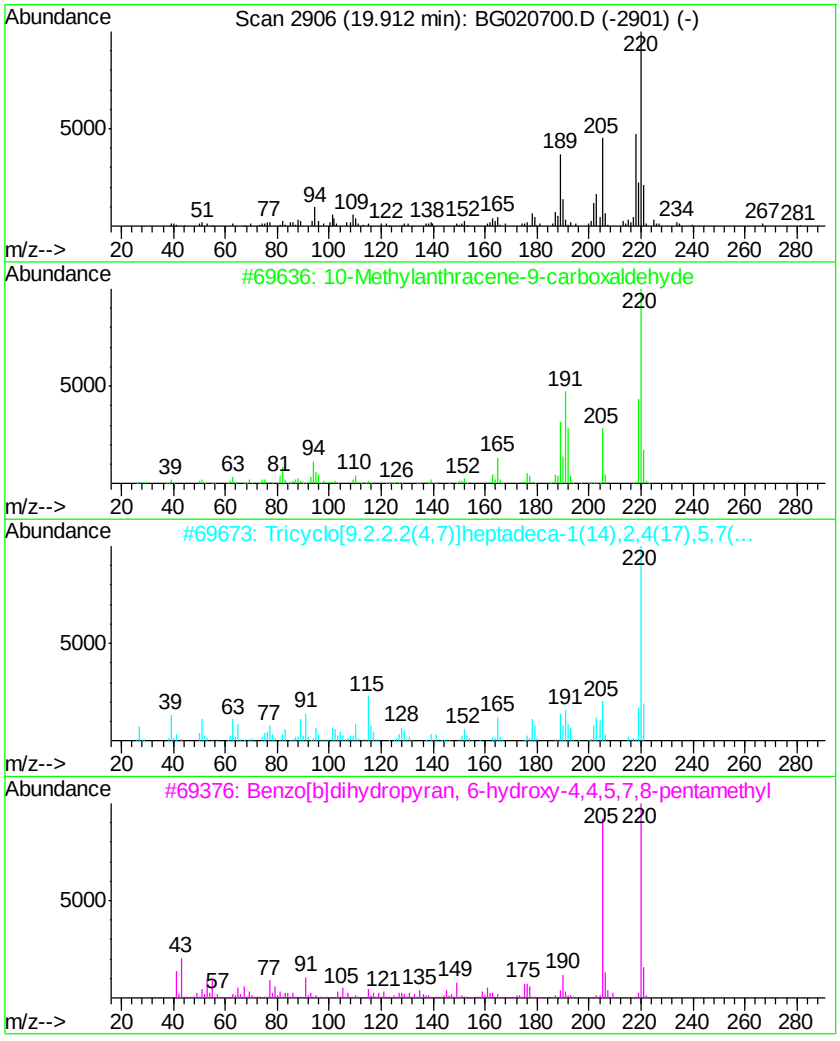
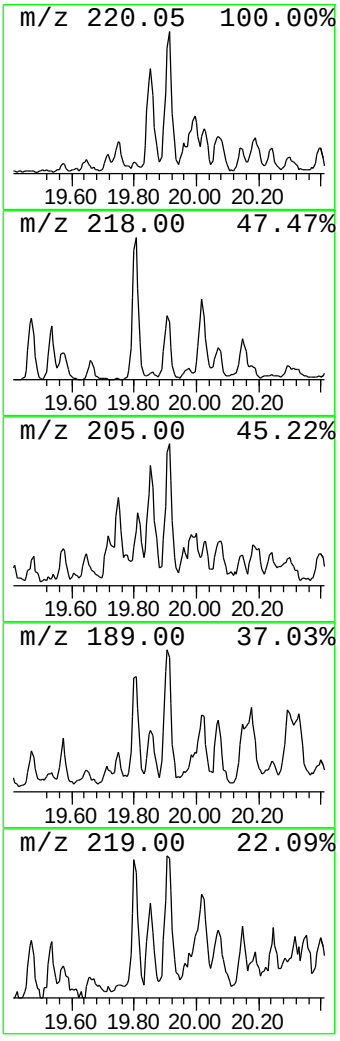
Peak Number 19 10-Methylanthracene-9-carbo... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.41 ng/ul	108121	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	55
2	Tricyclo[9.2.2.2(4,7)]heptadeca-...	220	C17H16	049576-90-1	50
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	43
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	43
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43





Library Search Compound Report

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Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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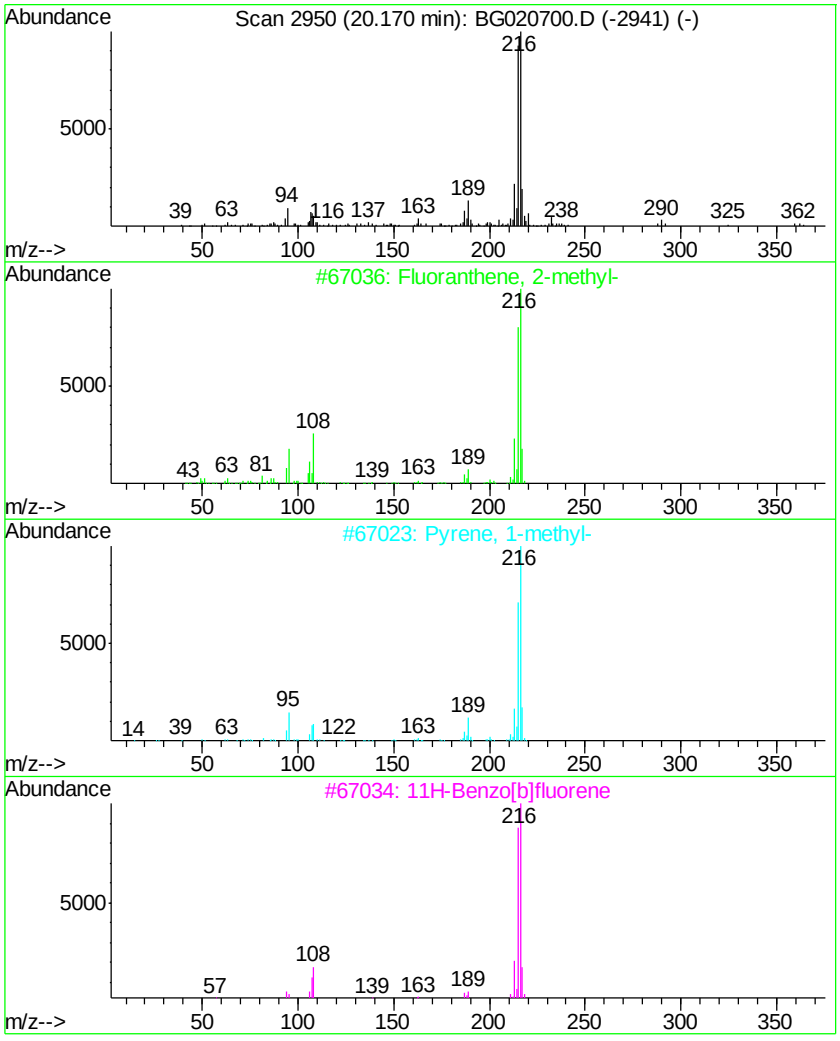
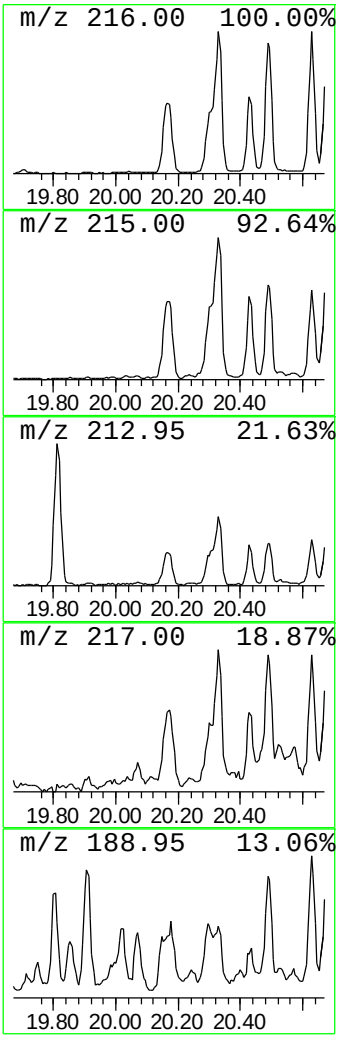
Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	5.19 ng/ul	232844	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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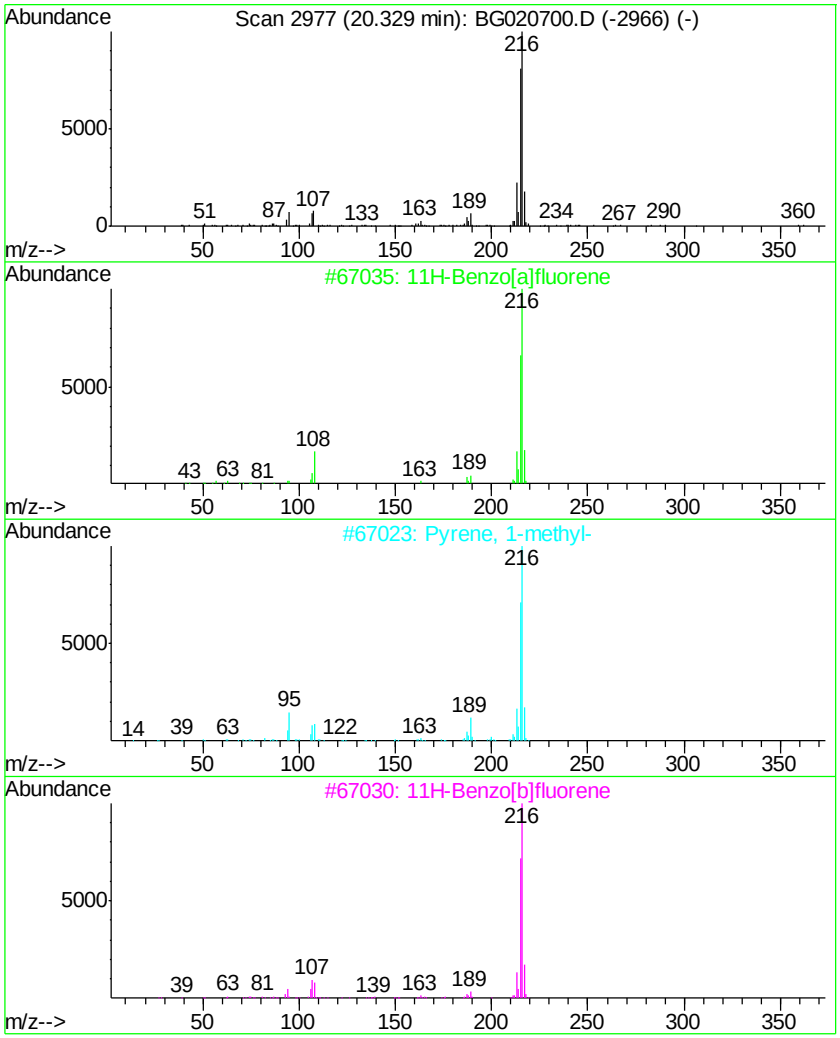
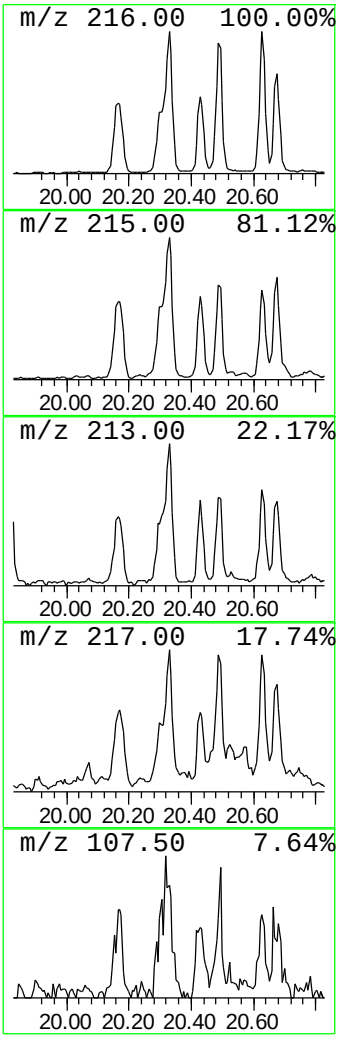
Peak Number 21 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	7.59 ng/ul	340876	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
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Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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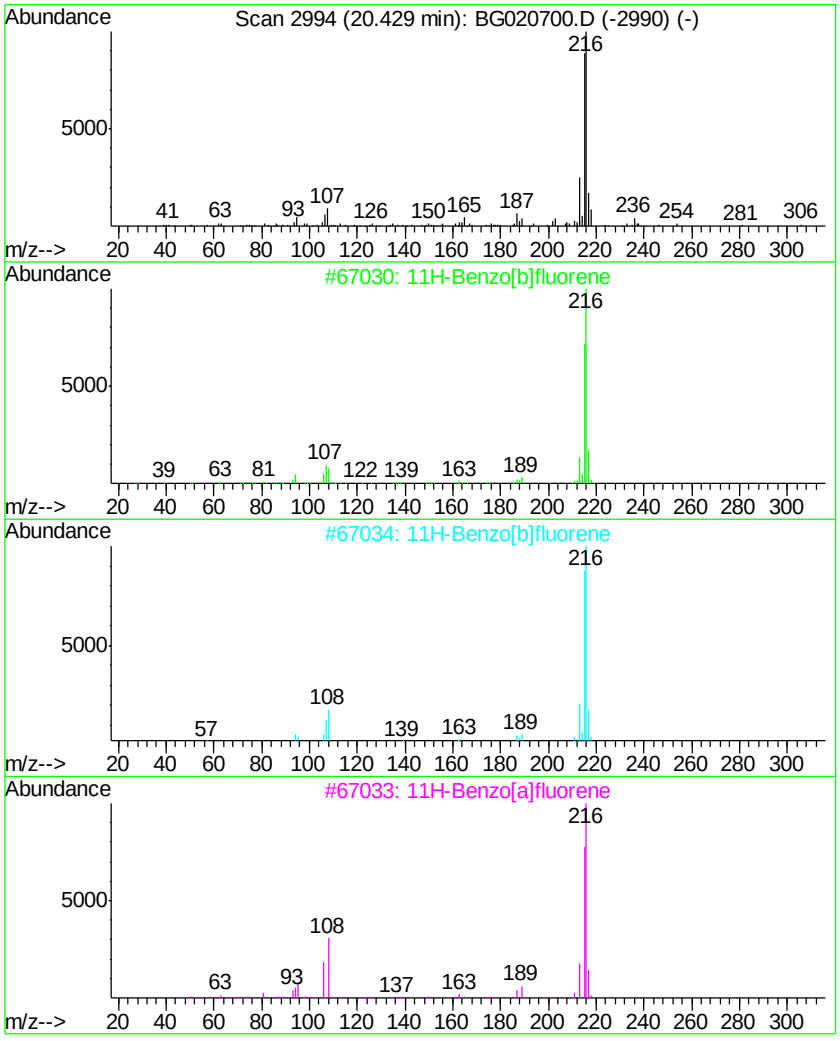
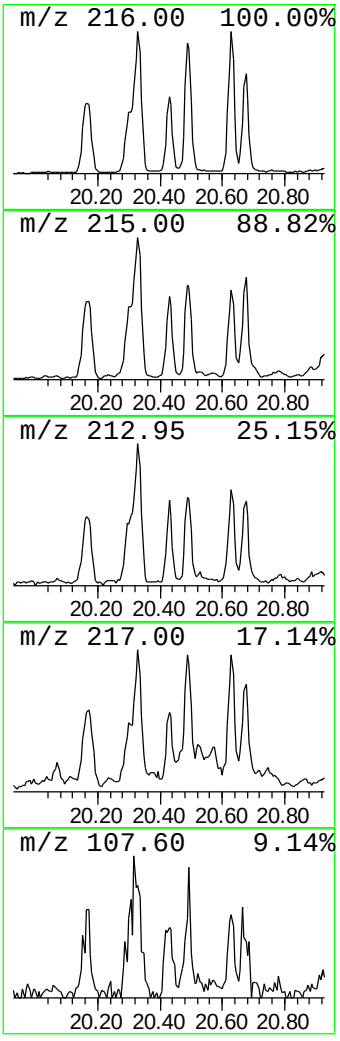
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.48 ng/ul	111155	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	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62





Library Search Compound Report

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Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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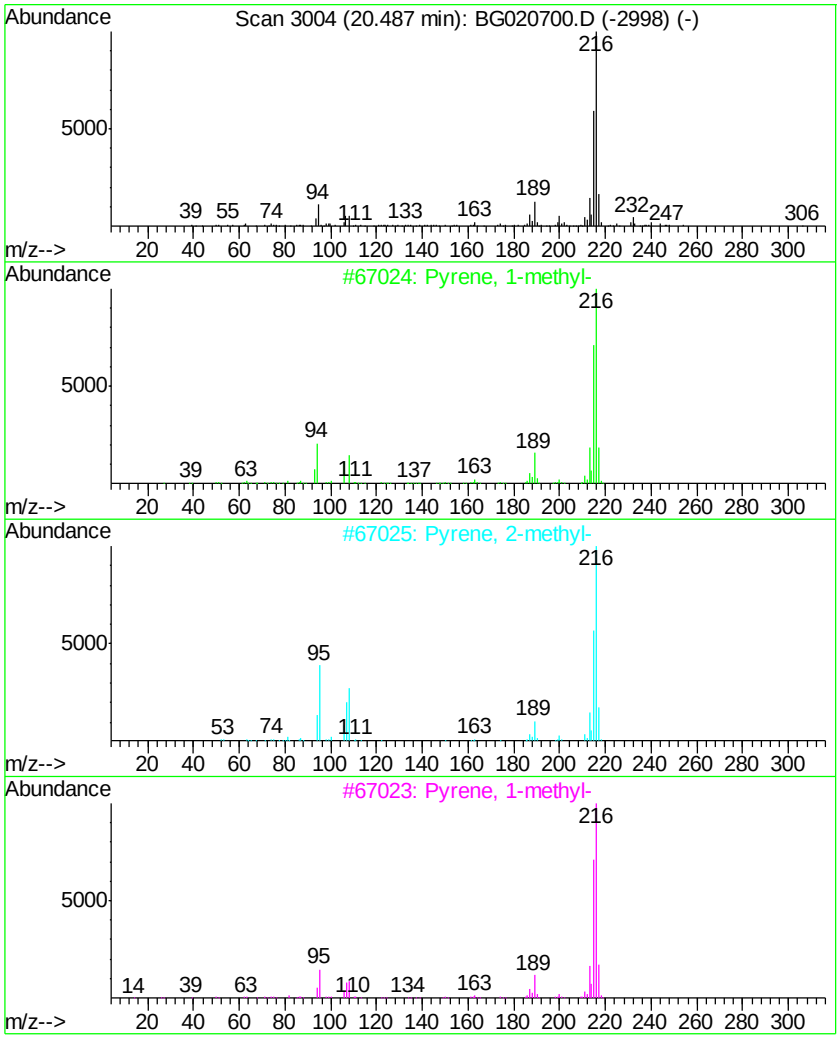
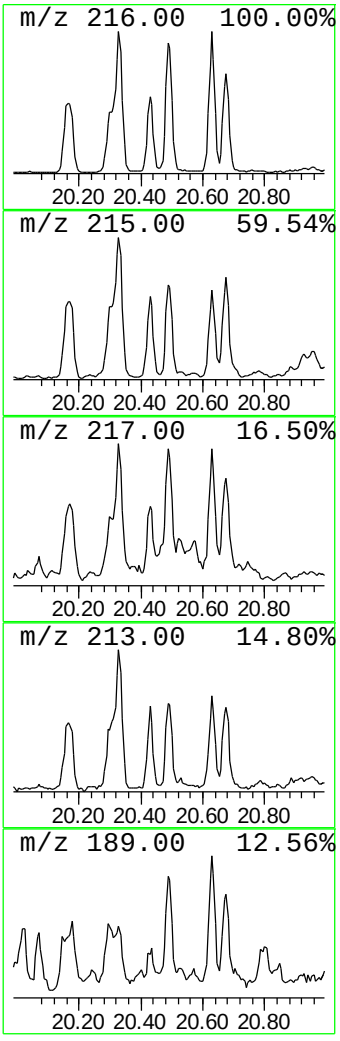
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	4.44 ng/ul	199378	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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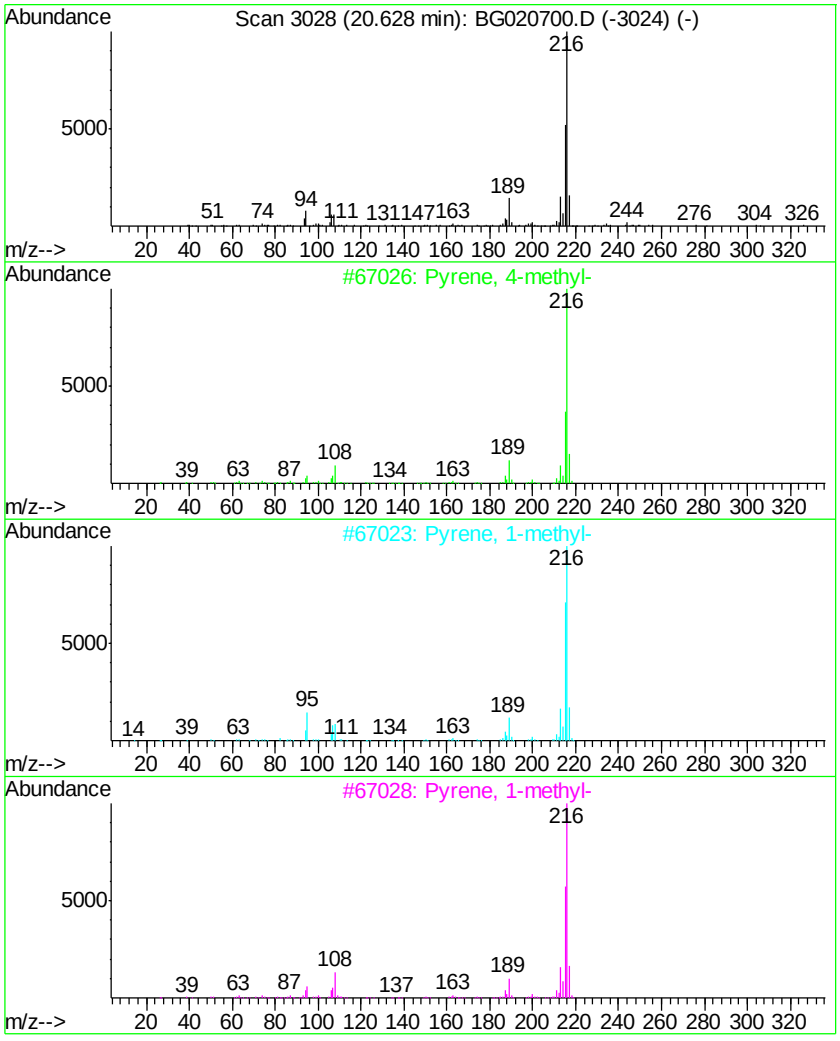
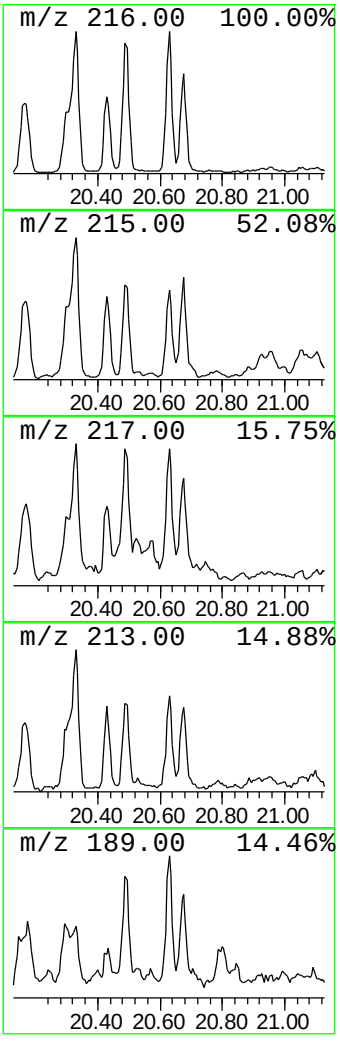
Peak Number 24 Pyrene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	3.38 ng/ul	151671	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





Library Search Compound Report

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Sample : H1094-11
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Instrument : BNA_G
ClientSampleId : BC972

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 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.77 ng/ul	124541	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	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
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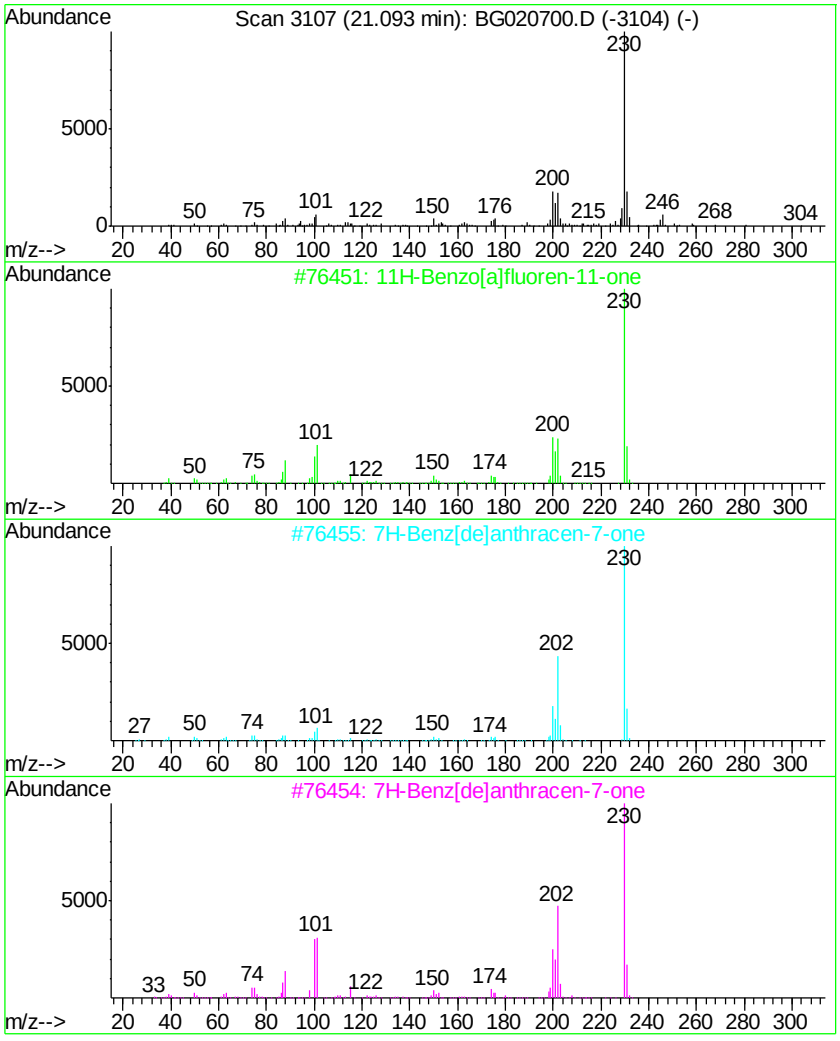

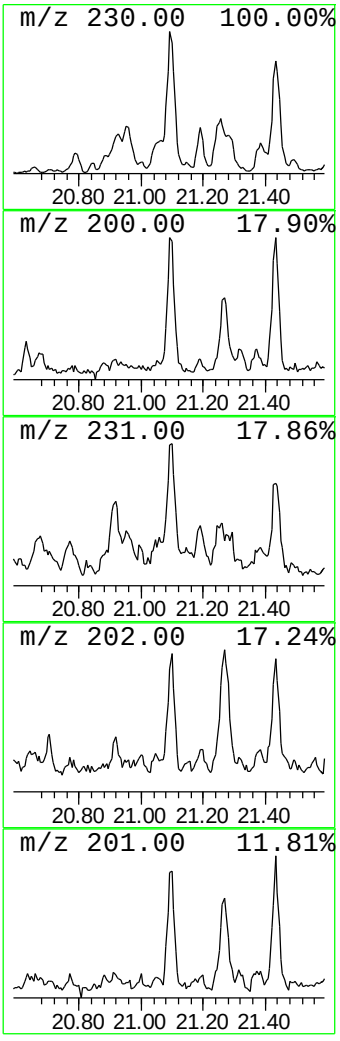

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Acq On : 13 Jan 2016 10:25
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Sample : H1094-11
Misc :
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Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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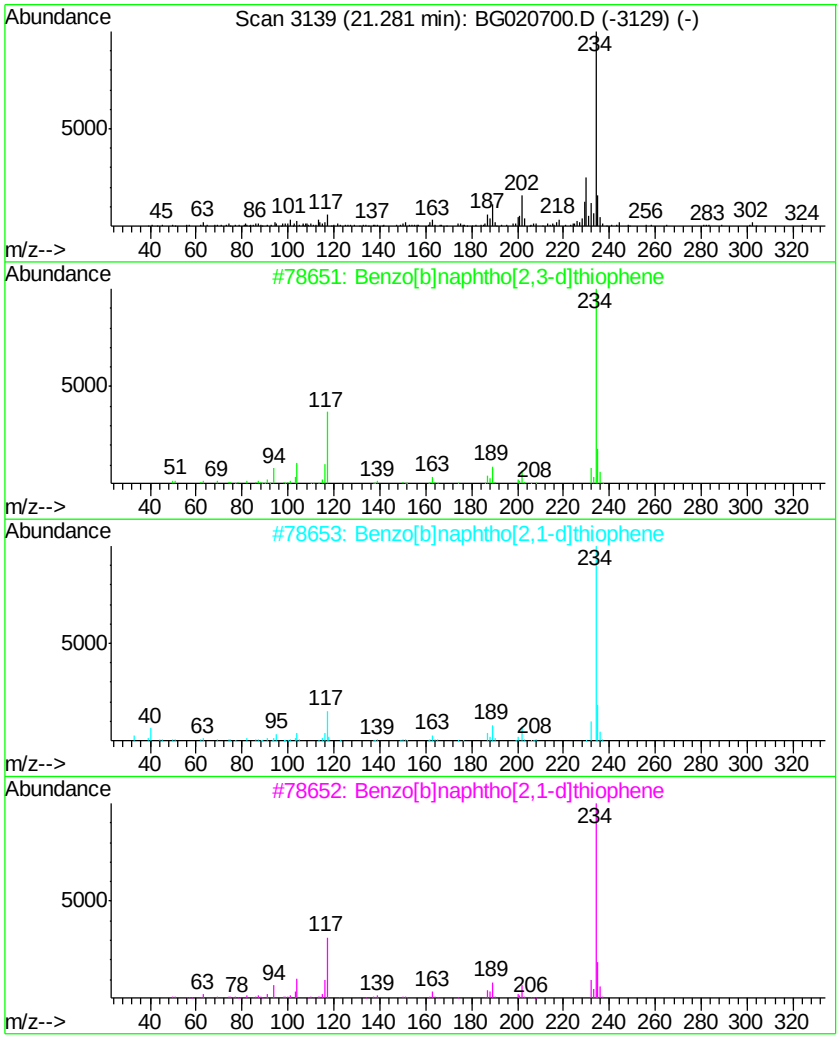
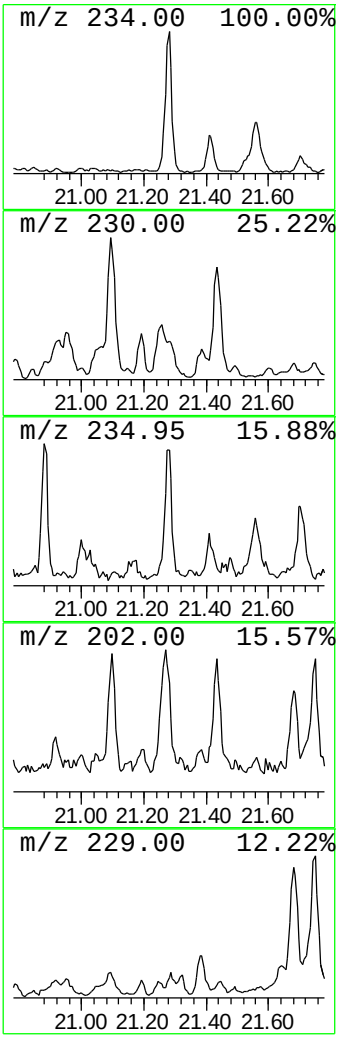
Peak Number 27 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	4.64 ng/ul	208135	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	76
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	68
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	62





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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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Quant Title : SVOA CALIBRATION

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

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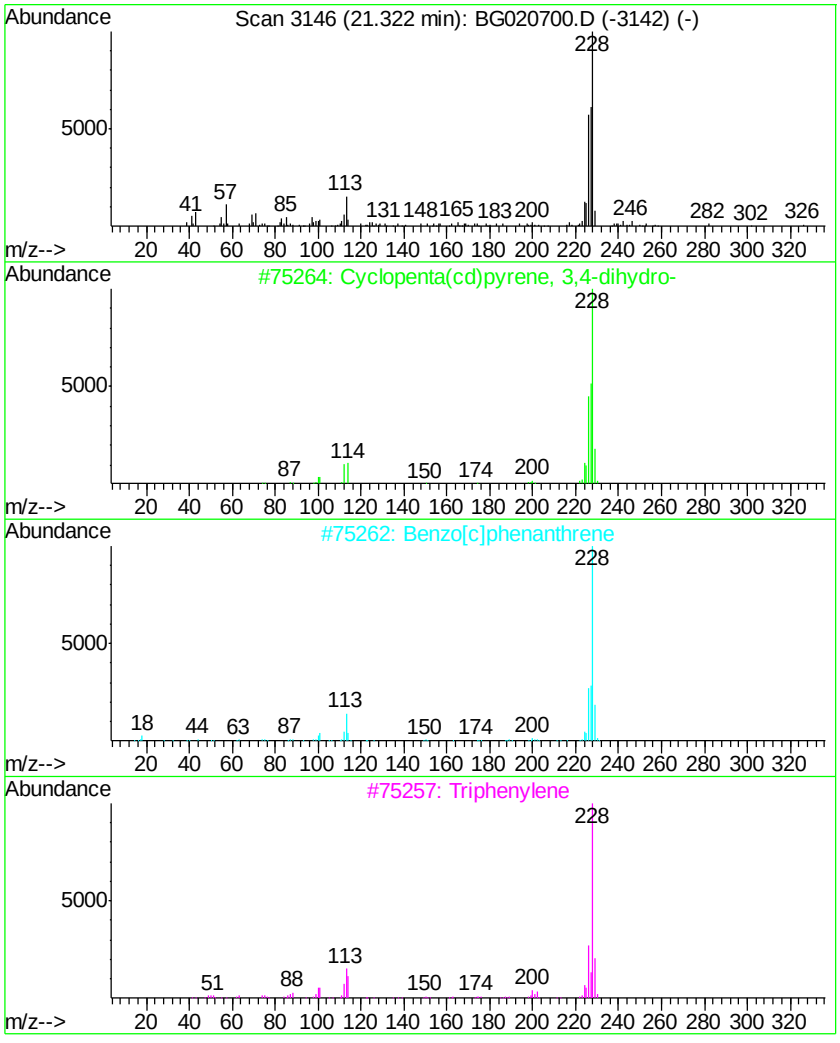
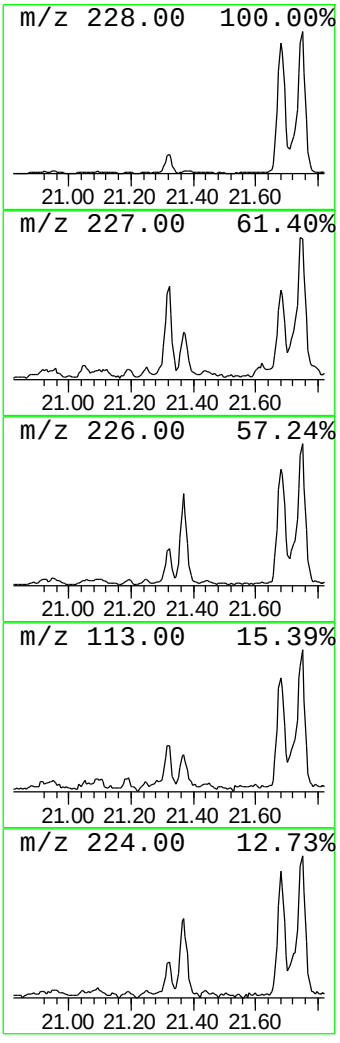
Peak Number 28 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.98 ng/ul	133843	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	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
3	Triphenylene	228	C18H12	000217-59-4	43
4	Chrysene	228	C18H12	000218-01-9	38
5	Triphenylene	228	C18H12	000217-59-4	38





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Acq On : 13 Jan 2016 10:25
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Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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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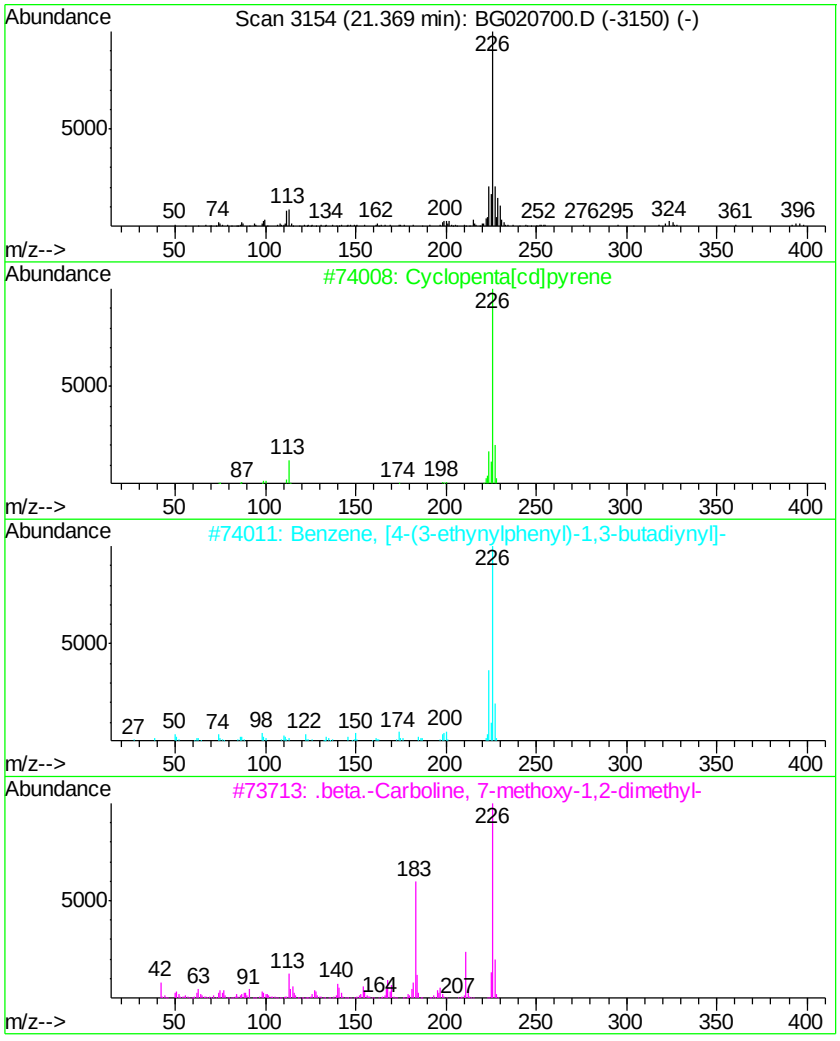
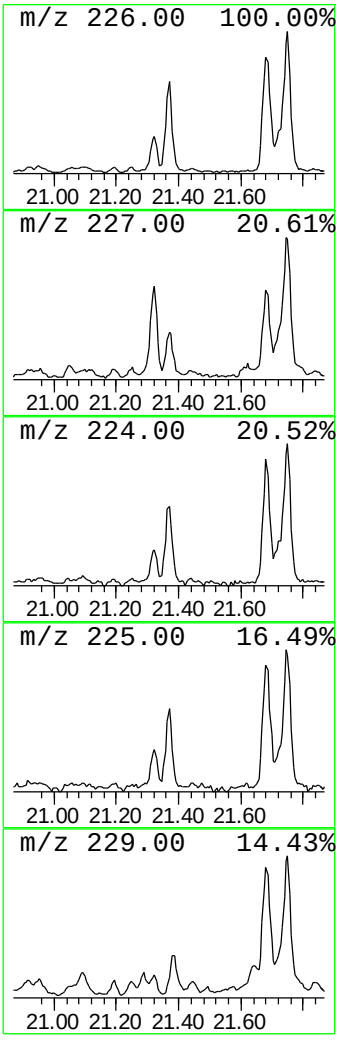
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.60 ng/ul	116909	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	40





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Sample : H1094-11
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Instrument : BNA_G
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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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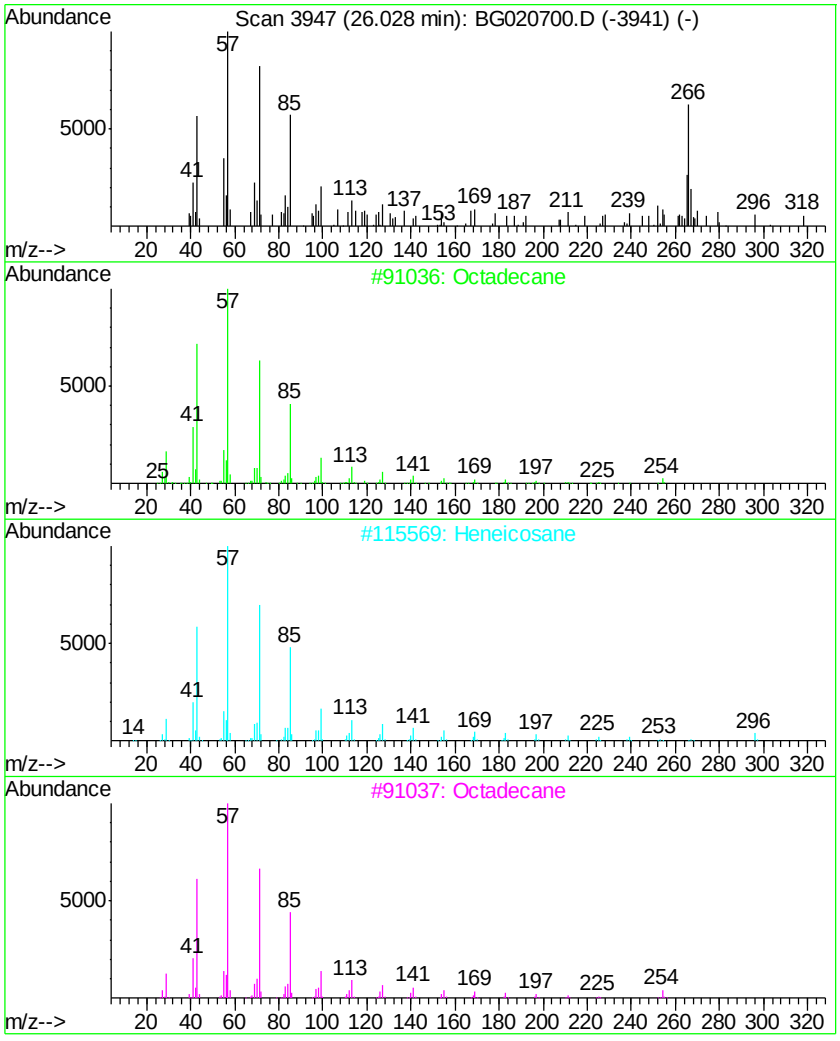
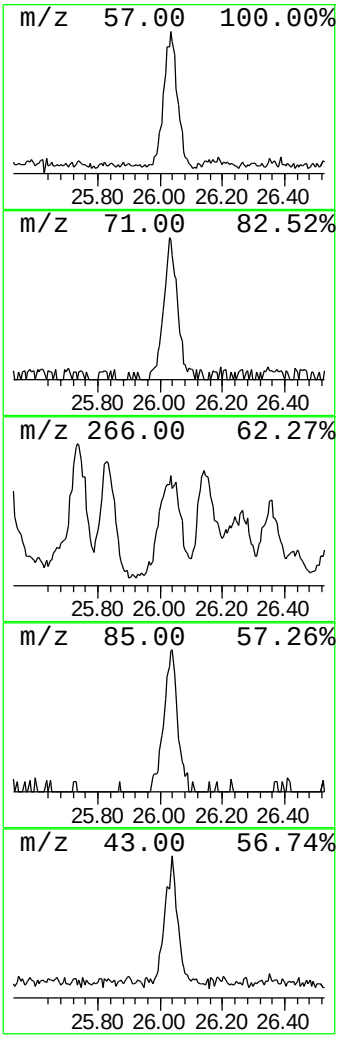
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	5.60 ng/ul	106188	Perylene-d12	24.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Heneicosane	296	C21H44	000629-94-7	84
3	Octadecane	254	C18H38	000593-45-3	66
4	Nonadecane	268	C19H40	000629-92-5	64
5	Octadecane	254	C18H38	000593-45-3	60





Tentatively Identified Compound (LSC) summary

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Data File : BG020700.D
Acq On : 13 Jan 2016 10:25
Operator : SJ/IZ
Sample : H1094-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC972

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
Butane, 2-methoxy...	3.13	39.5	ng/ul	148112	1	8.04	75083	20.0
9H-Fluorene, 2,3-...	17.62	2.2	ng/ul	31079	4	17.43	281533	20.0
Dibenzothiophene,...	18.01	3.0	ng/ul	41581	4	17.43	281533	20.0
Phenanthrene, 2-m...	18.30	9.5	ng/ul	133151	4	17.43	281533	20.0
Phenanthrene, 1-m...	18.35	11.8	ng/ul	166510	4	17.43	281533	20.0
Anthracene, 2-met...	18.43	2.6	ng/ul	36527	4	17.43	281533	20.0
Anthracene, 1-met...	18.49	15.5	ng/ul	218280	4	17.43	281533	20.0
Anthracene, 9-met...	18.53	6.9	ng/ul	96860	4	17.43	281533	20.0
Naphthalene, 2-ph...	18.80	5.7	ng/ul	79821	4	17.43	281533	20.0
9,10-Anthracenedione	18.85	8.2	ng/ul	115497	4	17.43	281533	20.0
Phenanthrene, 3,6...	19.09	3.0	ng/ul	41569	4	17.43	281533	20.0
di-p-Tolylacetylene	19.13	2.7	ng/ul	38192	4	17.43	281533	20.0
Phenanthrene, 2,5...	19.21	14.2	ng/ul	200352	4	17.43	281533	20.0
9,10-Dimethylanth...	19.27	4.4	ng/ul	61439	4	17.43	281533	20.0
Cyclopenta(def)ph...	19.36	11.0	ng/ul	154547	4	17.43	281533	20.0
2-Chloro-5,6-dime...	19.54	2.9	ng/ul	40679	4	17.43	281533	20.0
10-Methylanthrace...	19.91	2.4	ng/ul	108121	5	21.70	897814	20.0
Fluoranthene, 2-m...	20.17	5.2	ng/ul	232844	5	21.70	897814	20.0
11H-Benzo[a]fluorene	20.33	7.6	ng/ul	340876	5	21.70	897814	20.0
11H-Benzo[b]fluorene	20.43	2.5	ng/ul	111155	5	21.70	897814	20.0
Pyrene, 1-methyl-	20.49	4.4	ng/ul	199378	5	21.70	897814	20.0
Pyrene, 4-methyl-	20.63	3.4	ng/ul	151671	5	21.70	897814	20.0
11H-Benzo[a]fluor...	21.09	2.8	ng/ul	124541	5	21.70	897814	20.0
Benzo[b]naphtho[2...	21.28	4.6	ng/ul	208135	5	21.70	897814	20.0
unknown-01	21.32	3.0	ng/ul	133843	5	21.70	897814	20.0
Cyclopenta[cd]pyrene	21.37	2.6	ng/ul	116909	5	21.70	897814	20.0
(DEL) Alkane: Str...	26.03	5.6	ng/ul	106188	6	24.95	379364	20.0