LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.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	4.154	134	139	144	rBV3	14156	22573	0.58%	0.056%
2	7.409	686	693	705	rVB2	109802	214400	5.52%	0.528%
3	7.585	717	723	732	rBV	61298	104724	2.70%	0.258%
4	7.797	754	759	766	rVB	104566	186626	4.81%	0.460%
5	8.273	834	840	848	rBV	138769	253881	6.54%	0.626%
6	8.966	951	958	965	rBV2	124439	216510	5.58%	0.534%
7	9.442	1032	1039	1048	rVB	107426	190140	4.90%	0.469%
8	10.170	1156	1163	1169	rBV2	99398	176790	4.55%	0.436%
9	10.711	1248	1255	1263	rVB2	151214	271393	6.99%	0.669%
10	11.104	1315	1322	1329	rBV	186070	336237	8.66%	0.829%
11	11.222	1335	1342	1353	rBV	98699	188729	4.86%	0.465%
12	14.277	1855	1862	1867	rBV	251474	378845	9.76%	0.934%
13	14.324	1867	1870	1876	rVB	35051	47363	1.22%	0.117%
14	14.583	1907	1914	1924	rBV	257528	428692	11.04%	1.056%
15	14.888	1959	1966	1972	rBV	300287	474590	12.23%	1.169%
16	14.947	1972	1976	1984	rVB	16108	24326	0.63%	0.060%
17	15.041	1986	1992	1999	rBV3	105721	163374	4.21%	0.403%
18	15.276	2025	2032	2037	rBV3	15814	25020	0.64%	0.062%
19	15.869	2125	2133	2139	rBV	328432	514023	13.24%	1.267%
20	15.922	2139	2142	2146	rVV	27677	39209	1.01%	0.097%
21	15.969	2146	2150	2155	rVV2	46600	67970	1.75%	0.167%
22	17.150	2344	2351	2354	rBV6	10609	21255	0.55%	0.052%
23	17.268	2367	2371	2378	rVB3	22178	36961	0.95%	0.091%
24	17.438	2396	2400	2408	rVB	37763	57833	1.49%	0.143%
25	17.620	2425	2431	2434	rBV	356594	557011	14.35%	1.373%
26	17.662	2434	2438	2443	rVV	781125	1215570	31.32%	2.995%
27	17.720	2443	2448	2451	rVV	339820	532710	13.72%	1.313%
28	17.756	2451	2454	2458	rVV	139406	197316	5.08%	0.486%
29	17.802	2458	2462	2467	rVV4	22806	39411	1.02%	0.097%
30	18.014	2492	2498	2504	rBV	77051	126087	3.25%	0.311%
31	18.132	2515	2518	2522	rVV3	21797	32061	0.83%	0.079%
32	18.196	2525	2529	2535	rVB7	15886	28204	0.73%	0.069%
33	18.337	2550	2553	2560	rVB5	12939	23821	0.61%	0.059%
34	18.490	2573	2579	2583	rBV	105428	159918	4.12%	0.394%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

35	18.537	2583	2587	2593	rVB2	143160	216556	5.58%	0.534%
36	18.613	2593	2600	2605	rBV3	33935	58991	1.52%	0.145%
37	18.684	2605	2612	2616	rBV3	185168	349356	9.00%	0.861%
38	18.878	2641	2645	2649	rVV7	16102	31701	0.82%	0.078%
39	18.978	2656	2662	2665	rVV	128957	182165	4.69%	0.449%
40	19.019	2665	2669	2677	rVB	169357	251161	6.47%	0.619%
41	19.101	2679	2683	2687	rBV3	14927	23360	0.60%	0.058%
42	19.213	2696	2702	2709	rBV6	63685	116723	3.01%	0.288%
43	19.271	2709	2712	2715	rVB3	22513	26902	0.69%	0.066%
44	19.313	2715	2719	2722	rVB4	21010	25713	0.66%	0.063%
45	19.389	2724	2732	2737	rBV2	72110	128927	3.32%	0.318%
46	19.453	2737	2743	2747	rBV7	32429	71507	1.84%	0.176%
47	19.530	2752	2756	2763	rVV2	74291	120039	3.09%	0.296%
48	19.659	2771	2778	2784	rBV	2684906	3881581	100.00%	9.565%
49	19.706	2784	2786	2790	rVV	19856	23220	0.60%	0.057%
50	19.747	2790	2793	2797	rVB2	53791	69214	1.78%	0.171%
51	19.794	2797	2801	2804	rBV5	36170	55495	1.43%	0.137%
52	19.835	2804	2808	2812	rVV4	40228	70877	1.83%	0.175%
53	19.894	2812	2818	2826	rVV2	85489	163625	4.22%	0.403%
54	19.982	2826	2833	2835	rVV2	811642	1272000	32.77%	3.134%
55	20.018	2835	2839	2845	rVV	2061446	2989682	77.02%	7.367%
56	20.076	2845	2849	2855	rVB3	98294	148896	3.84%	0.367%
57	20.182	2862	2867	2873	rBV	137806	199409	5.14%	0.491%
58	20.241	2873	2877	2882	rVB2	39207	67610	1.74%	0.167%
59	20.323	2885	2891	2898	rBV3	131060	352433	9.08%	0.868%
60	20.382	2898	2901	2905	rVV2	40320	58263	1.50%	0.144%
61	20.458	2907	2914	2916	rVV5	92489	171938	4.43%	0.424%
62	20.499	2916	2921	2926	rVB	355005	558077	14.38%	1.375%
63	20.593	2932	2937	2941	rBV	298695	415912	10.72%	1.025%
64	20.652	2941	2947	2951	rVV2	151069	294732	7.59%	0.726%
65	20.693	2951	2954	2957	rVV	91773	110479	2.85%	0.272%
66	20.728	2957	2960	2967	rVB4	41929	67044	1.73%	0.165%
67	20.793	2967	2971	2974	rBV	89421	120176	3.10%	0.296%
68	20.840	2975	2979	2983	rVV2	71620	99163	2.55%	0.244%
69	20.993	3003	3005	3010	rVB6	21461	26037	0.67%	0.064%
70	21.099	3019	3023	3026	rBV6	37719	60026	1.55%	0.148%
71	21.128	3026	3028	3029	rBV2	23202	22164	0.57%	0.055%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

72	21.222	3040	3044	3047	rBV5	35166	55259	1.42%	0.136%
73	21.269	3048	3052	3060	rVB	175729	280180	7.22%	0.690%
74	21.463	3077	3085	3090	rBV2	254576	543166	13.99%	1.338%
75	21.510	3090	3093	3098	rVV	255927	412435	10.63%	1.016%
76	21.563	3098	3102	3107	rVV2	217385	397770	10.25%	0.980%
77	21.616	3107	3111	3122	rVB3	192820	380767	9.81%	0.938%
78	21.763	3125	3136	3142	rBV3	118264	346547	8.93%	0.854%
79	21.886	3148	3157	3164	rBV2	1248190	2921362	75.26%	7.199%
80	21.956	3165	3169	3181	rVB	1129519	2053692	52.91%	5.061%
81	22.115	3191	3196	3202	rBV	213513	383351	9.88%	0.945%
82	22.180	3203	3207	3214	rVV3	68519	162526	4.19%	0.400%
83	22.250	3216	3219	3225	rVB2	80306	140796	3.63%	0.347%
84	22.327	3226	3232	3240	rBV3	172251	343417	8.85%	0.846%
85	22.591	3273	3277	3282	rBV4	31656	64923	1.67%	0.160%
86	22.673	3282	3291	3297	rVV	124802	318740	8.21%	0.785%
87	22.750	3299	3304	3311	rVB3	142306	305382	7.87%	0.753%
88	22.961	3335	3340	3343	rBV	83763	151963	3.91%	0.374%
89	23.008	3346	3348	3357	rVB4	114645	188393	4.85%	0.464%
90	23.126	3359	3368	3376	rVB9	96535	332740	8.57%	0.820%
91	24.242	3547	3558	3565	rBV	842922	3019012	77.78%	7.439%
92	24.501	3597	3602	3611	rVB2	124953	279547	7.20%	0.689%
93	24.718	3633	3639	3643	rBV5	62853	155748	4.01%	0.384%
94	25.006	3678	3688	3696	rBV	452858	1367030	35.22%	3.369%
95	25.082	3698	3701	3707	rVV3	151100	380141	9.79%	0.937%
96	25.164	3707	3715	3726	rVB	656837	1909187	49.19%	4.705%
97	25.317	3733	3741	3747	rBV	166623	492671	12.69%	1.214%
98	25.394	3750	3754	3769	rVB3	168554	533941	13.76%	1.316%
99	29.248	4397	4410	4431	rVB3	290103	1572225	40.50%	3.874%
100	30.476	4604	4619	4631	rBV2	180679	833960	21.49%	2.055%

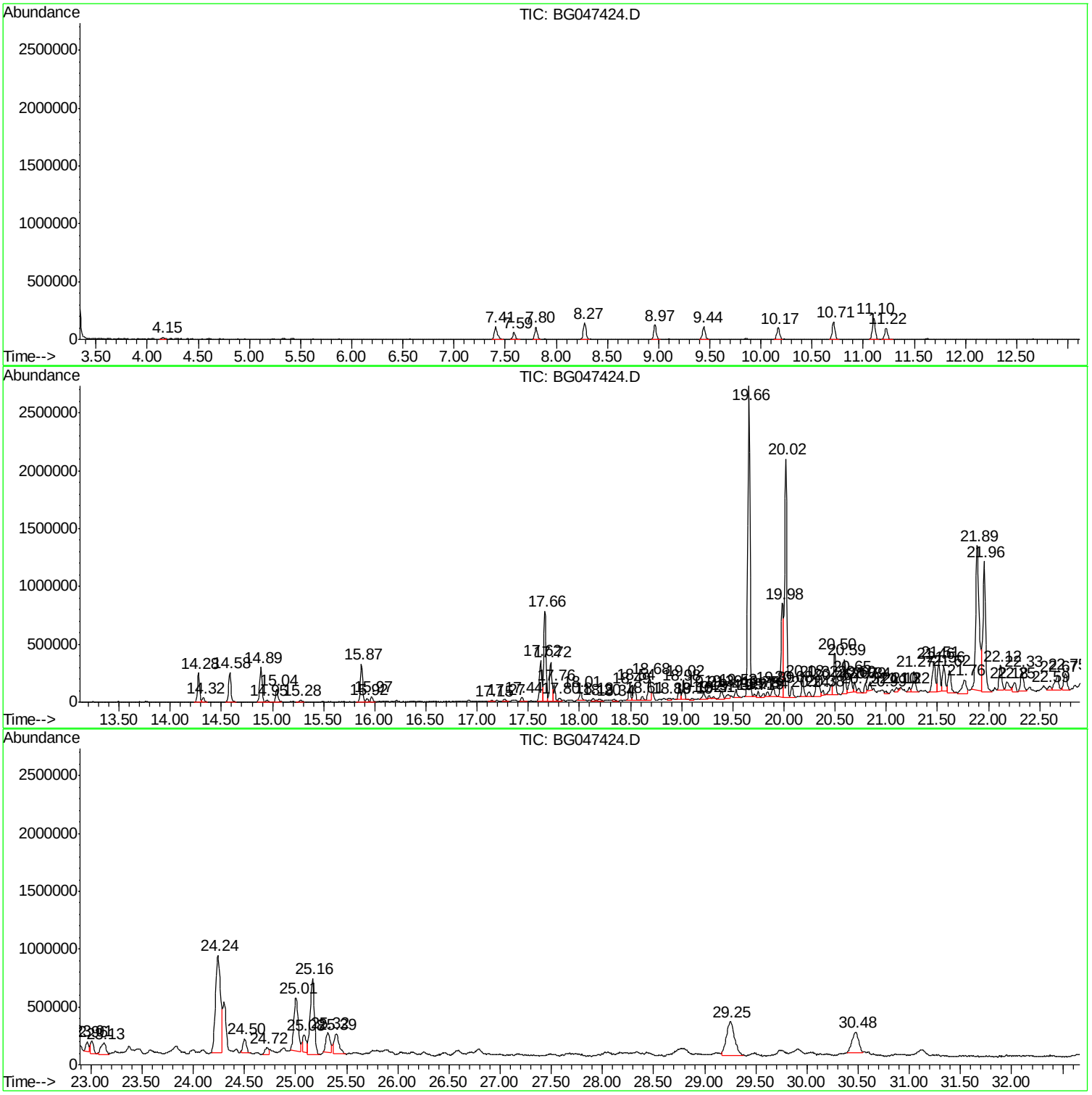
Sum of corrected areas: 40581598

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

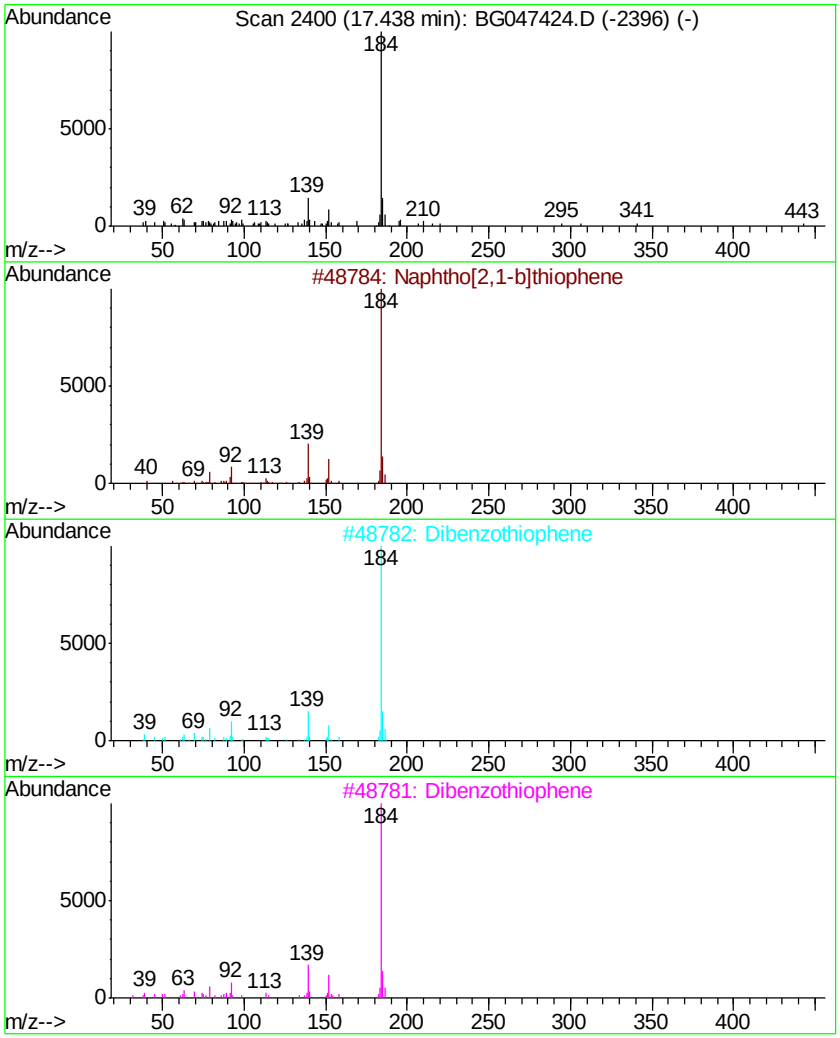
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

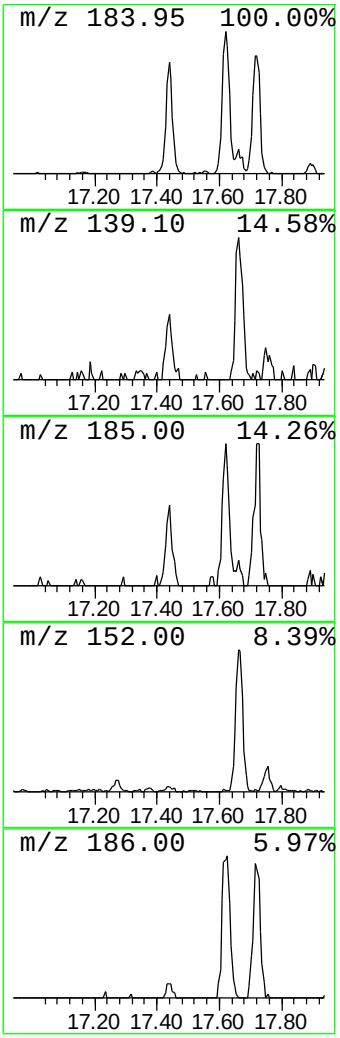
****

Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.08 ng/ul	57833	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

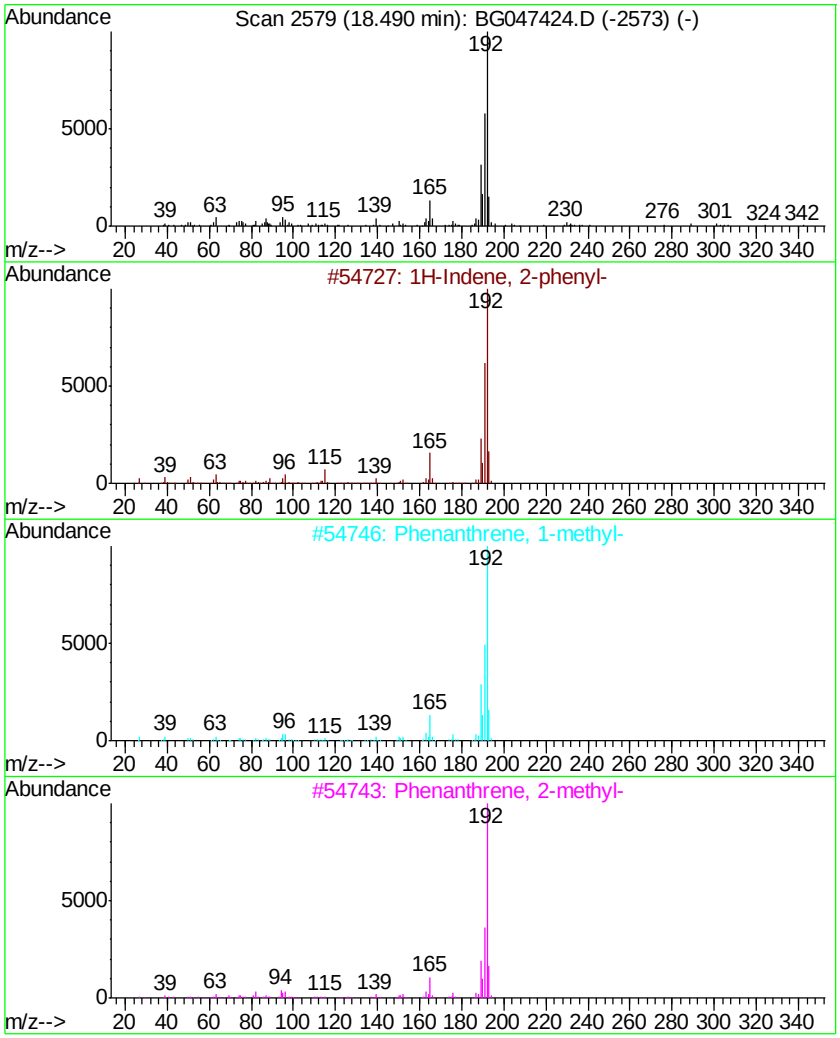
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

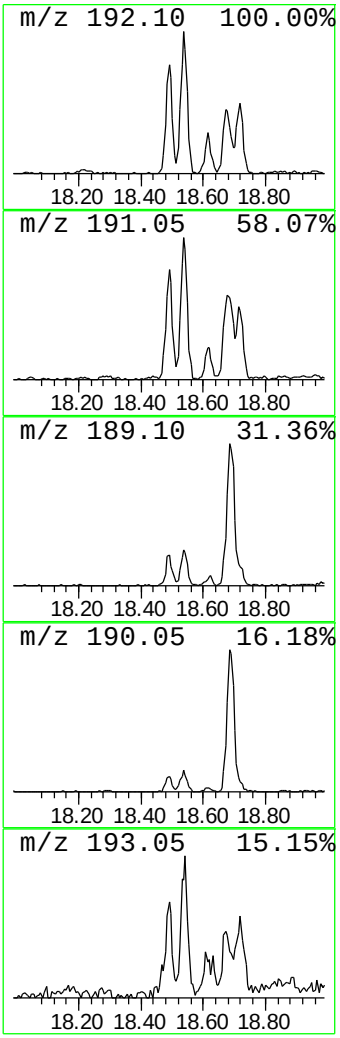
****

Peak Number 2 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.74 ng/ul	159918	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

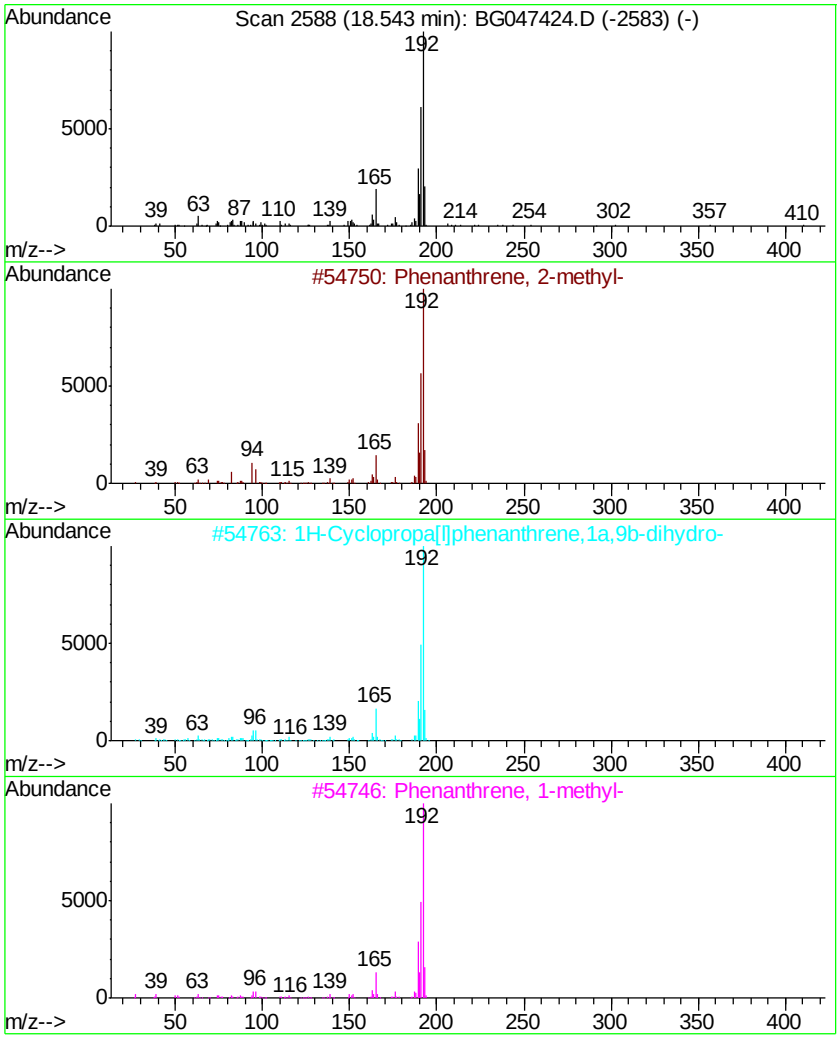
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

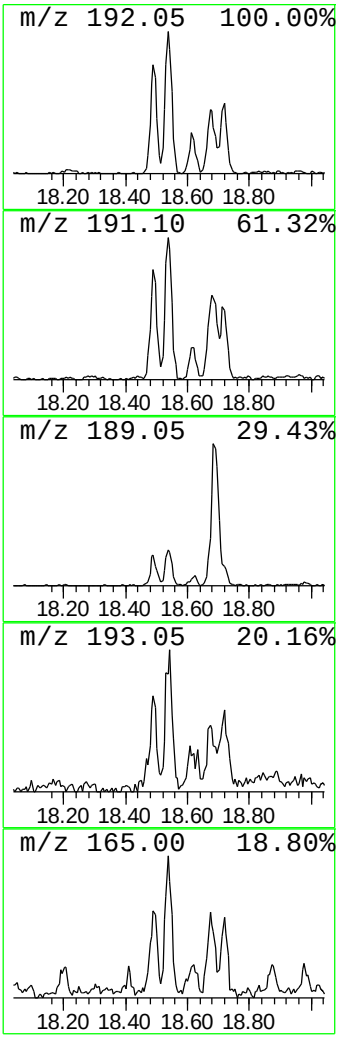
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	7.78 ng/ul	216556	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

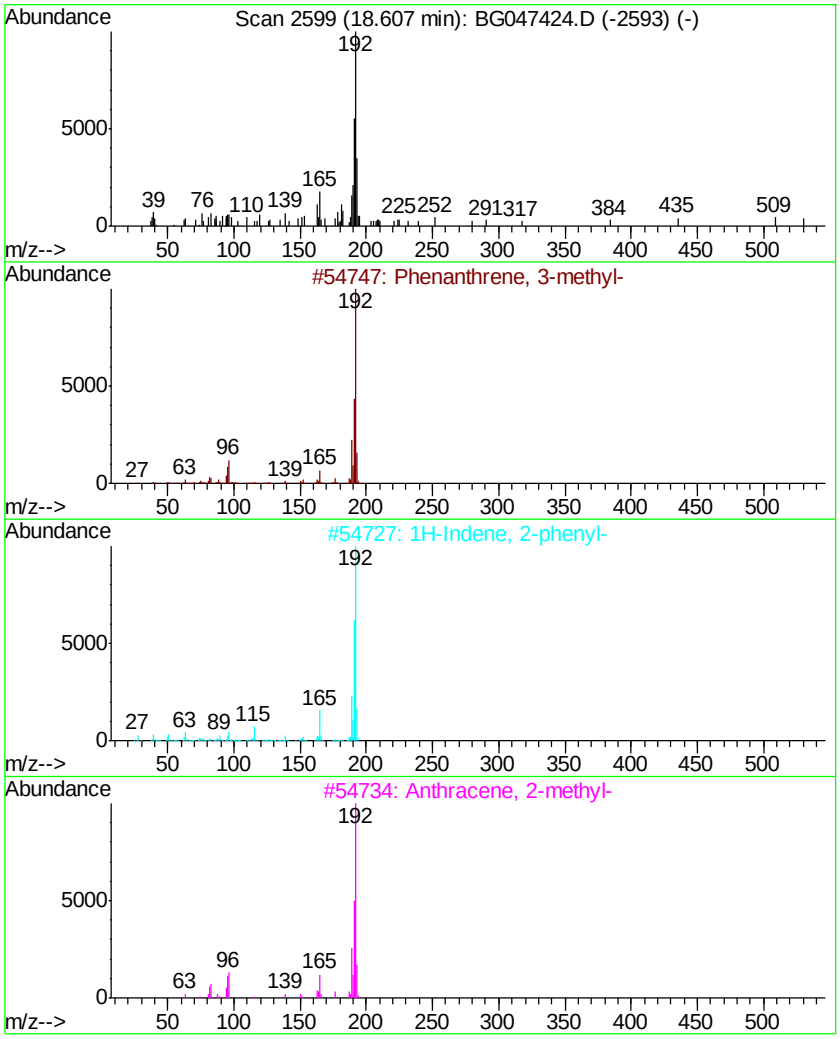
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

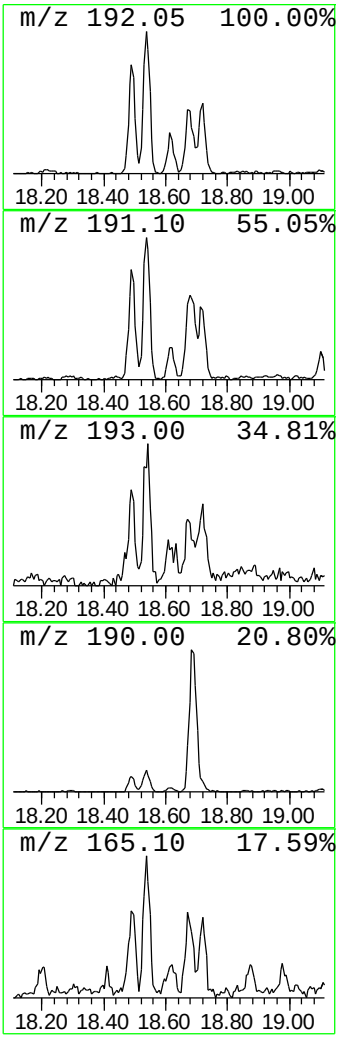
****

Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.12 ng/ul	58991	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

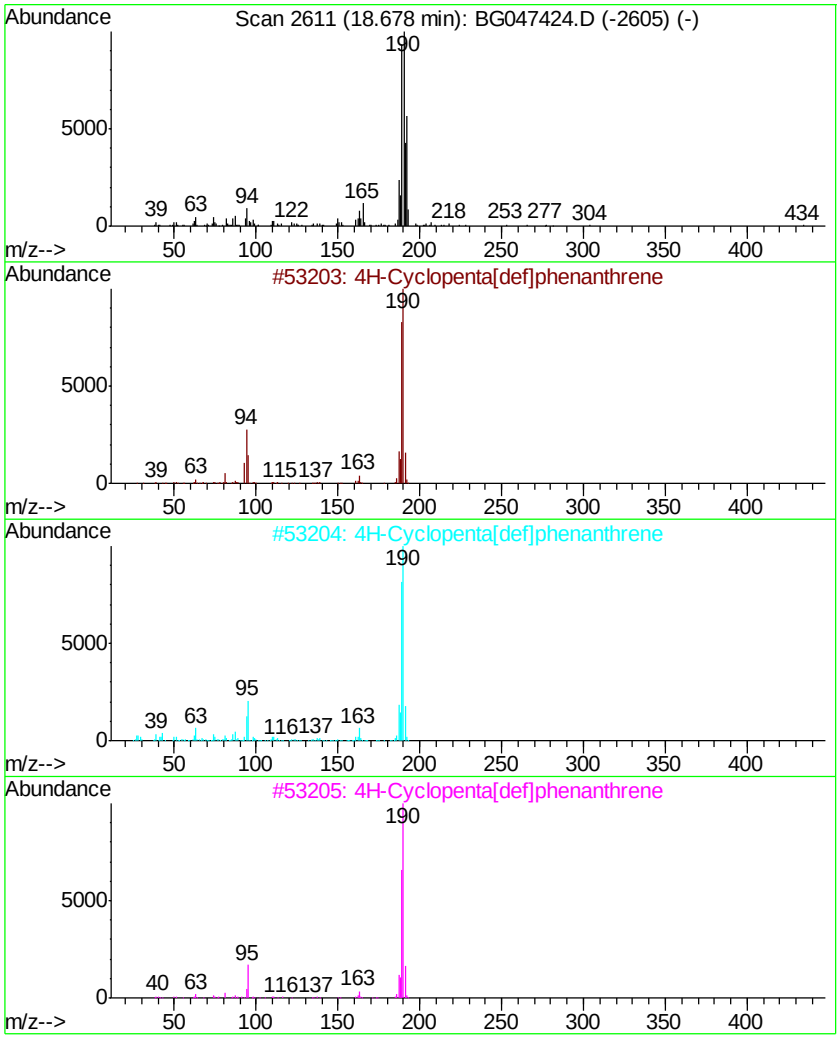
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

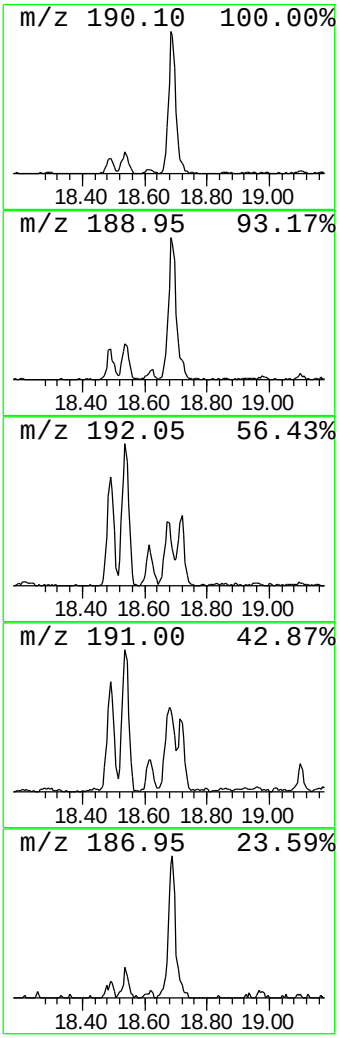
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	12.54 ng/ul	349356	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
5	1-Aminocyclopentanecarboxylic ac...	375	C19H34ClNO4	1000329-17-1	35





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Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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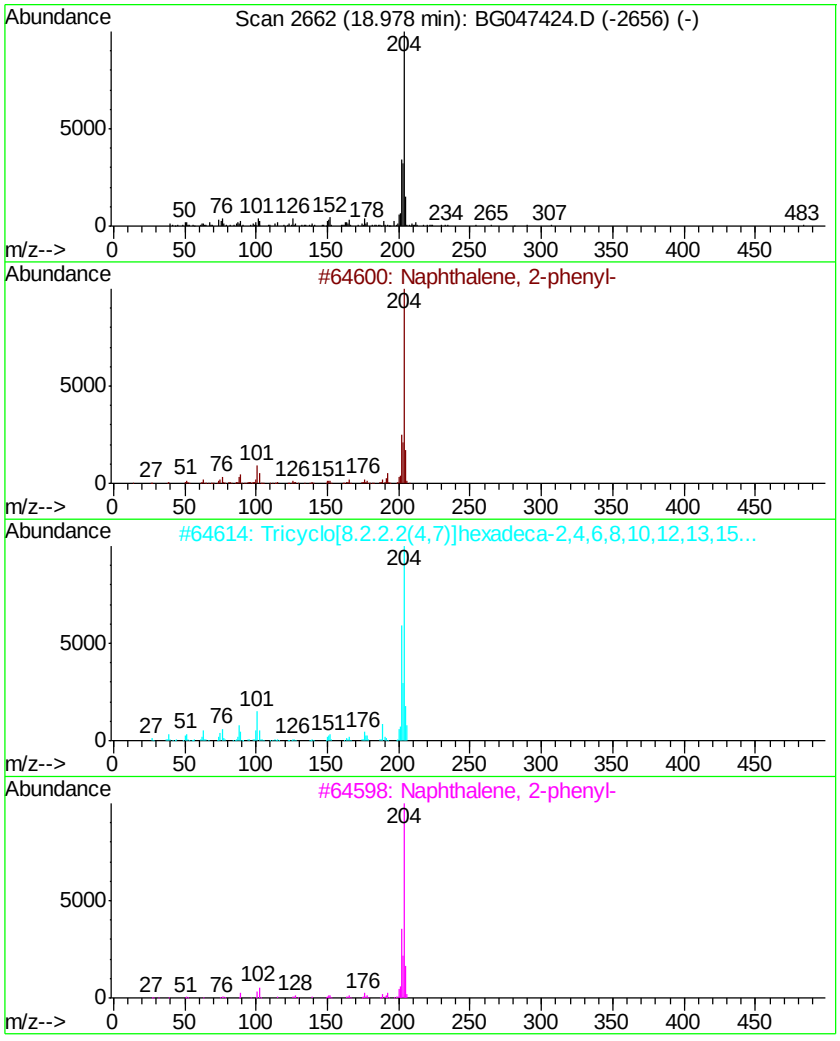
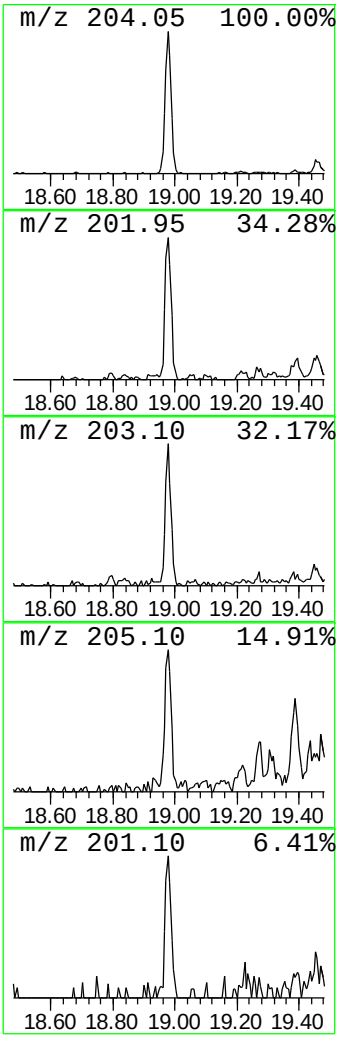
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	6.54 ng/ul	182165	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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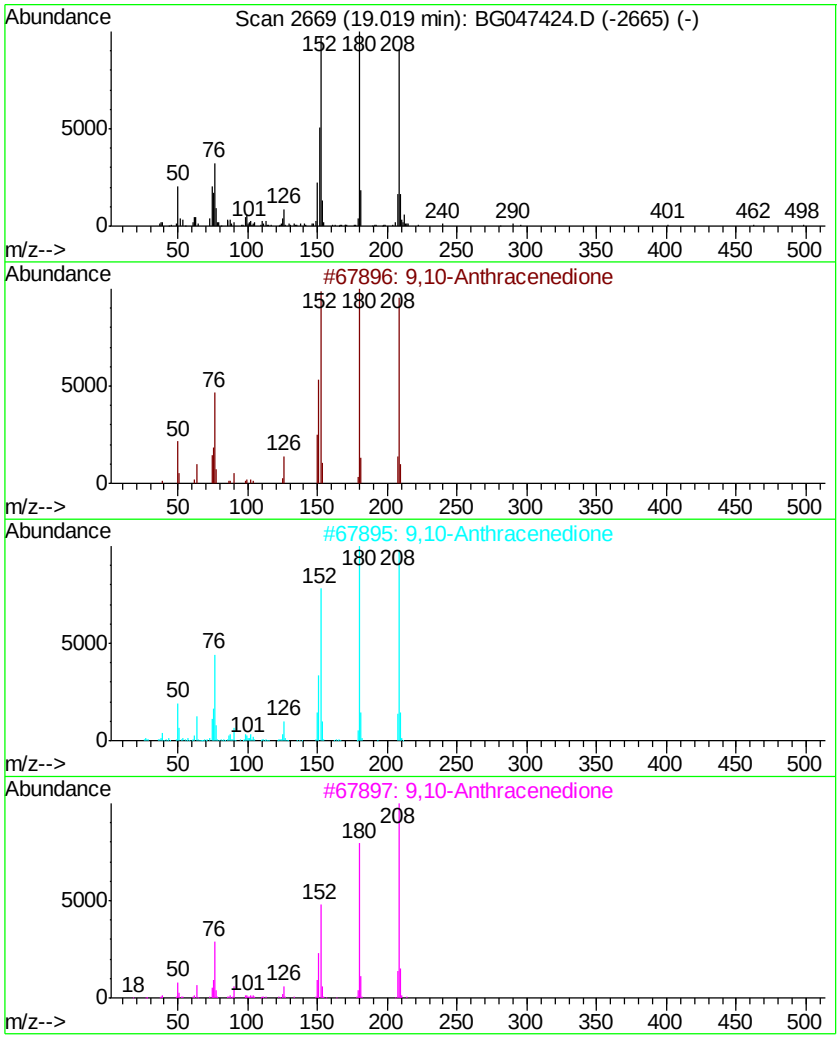
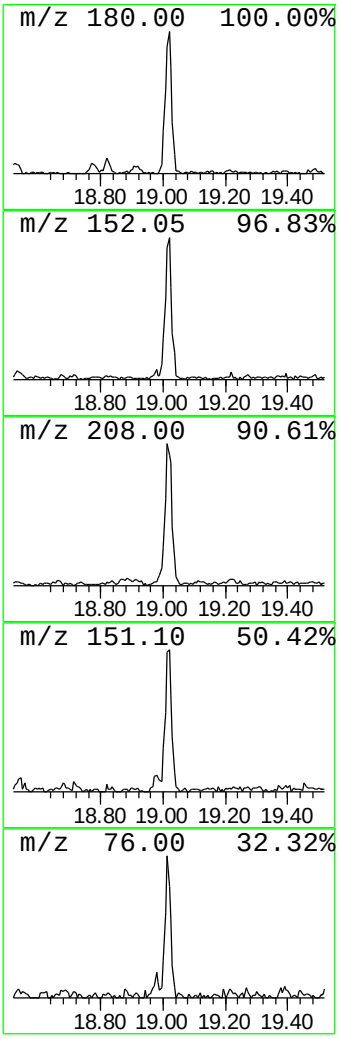
Peak Number 7 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	9.02 ng/ul	251161	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Sample : L4749-21
Misc :
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Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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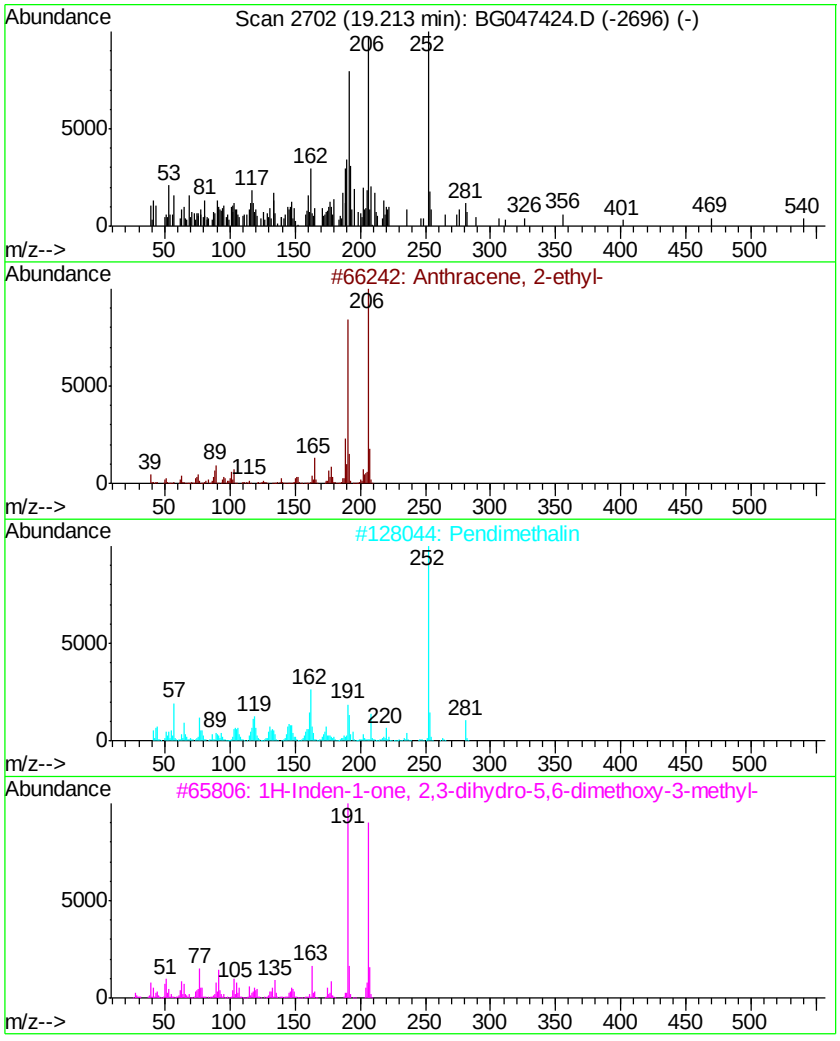
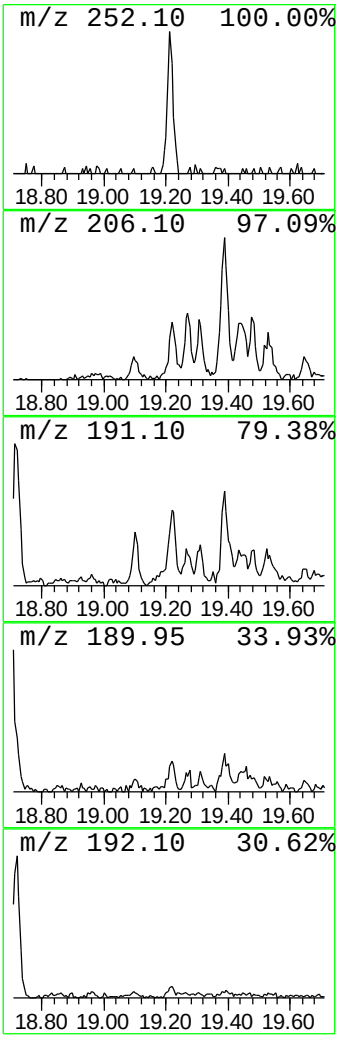
Peak Number 8 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	4.19 ng/ul	116723	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50
2	Pendimethalin	281	C13H19N3O4	040487-42-1	46
3	1H-Inden-1-one, 2,3-dihydro-5,6-...	206	C12H14O3	004082-25-1	45
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	45
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	45





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Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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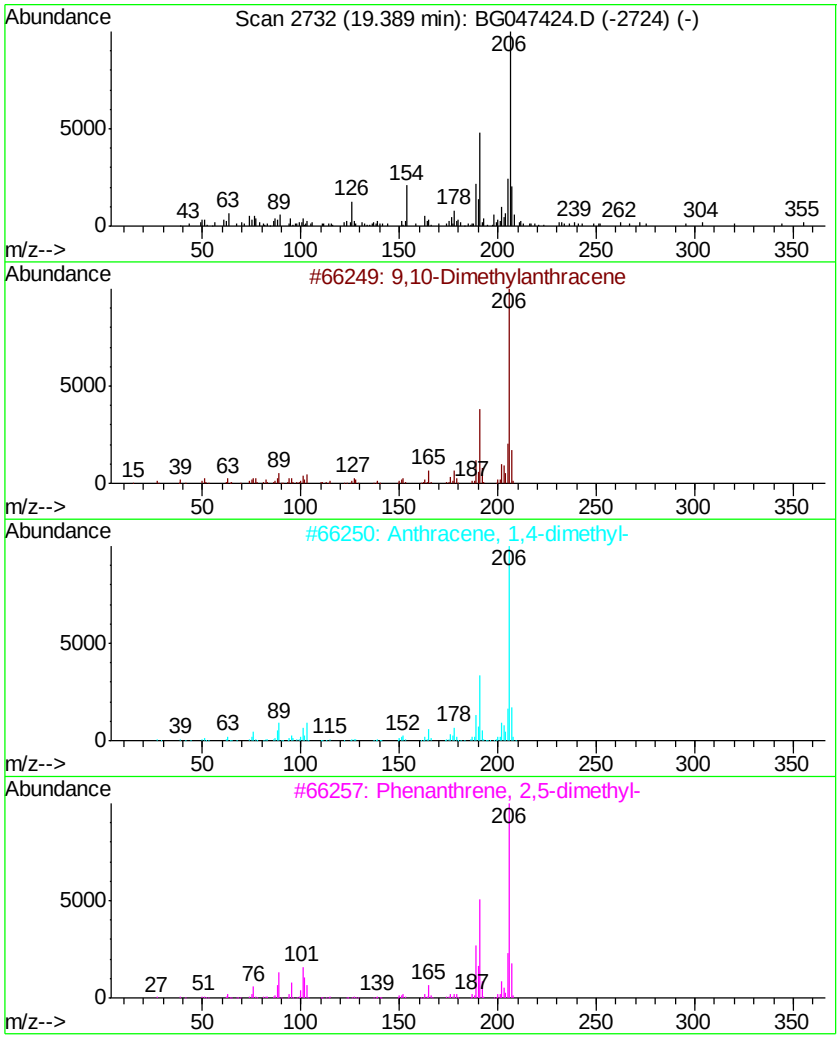
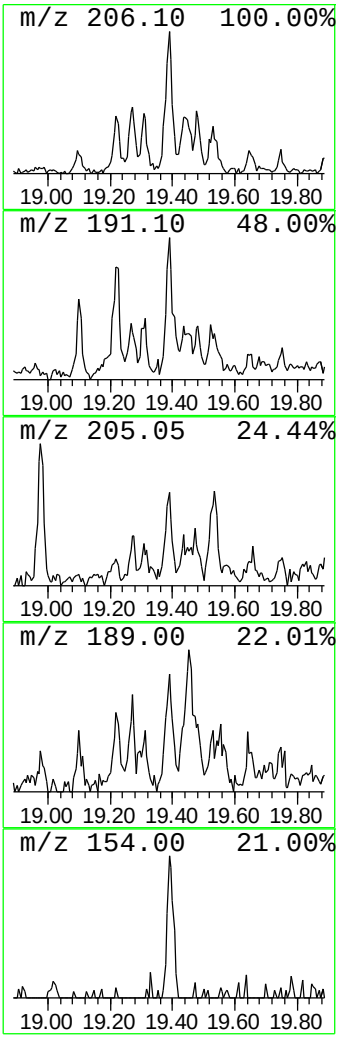
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.63 ng/ul	128927	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	74
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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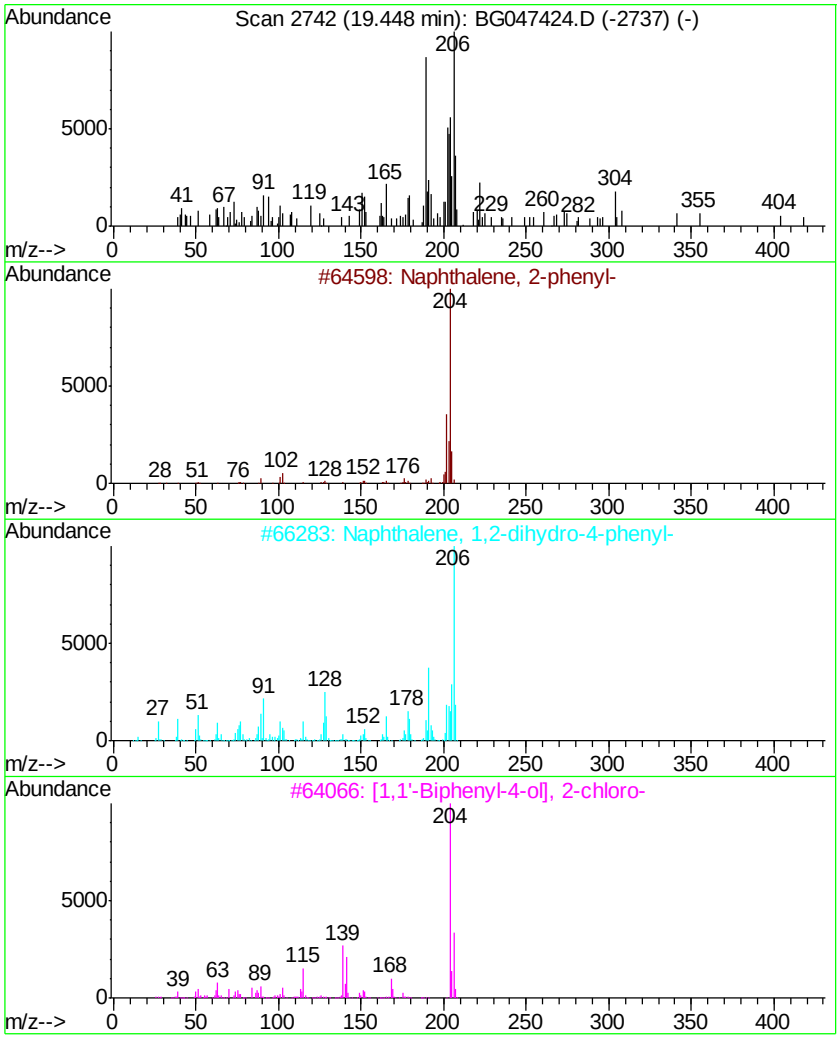
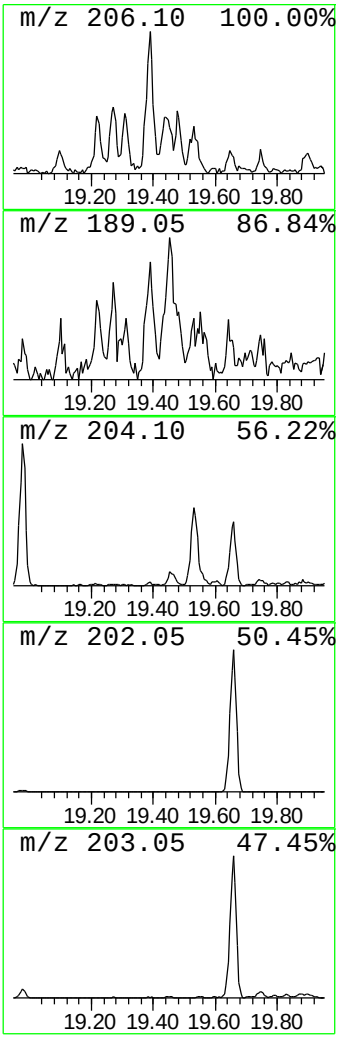
Peak Number 10 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	2.57 ng/ul	71507	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	25
3	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	25
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	22





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Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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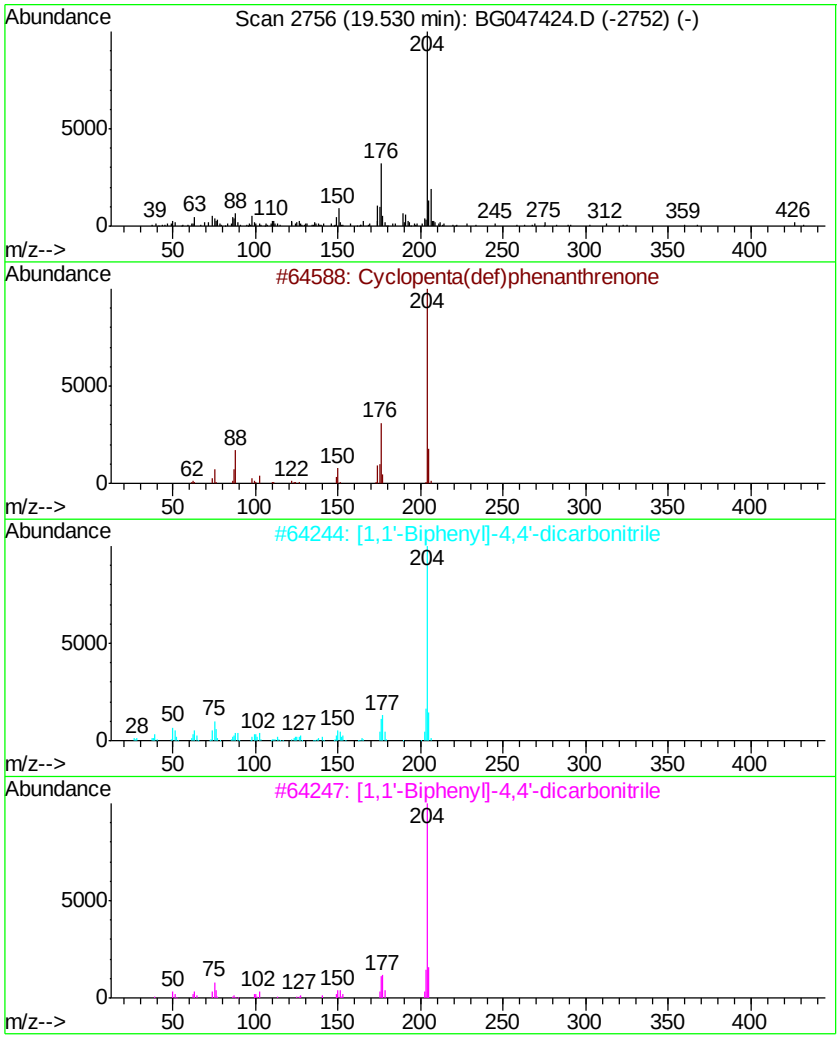
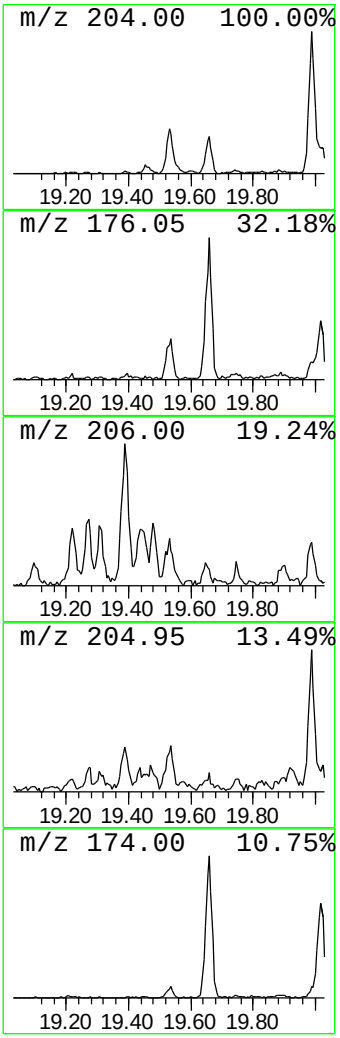
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	4.31 ng/ul	120039	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	52
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47





Library Search Compound Report

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Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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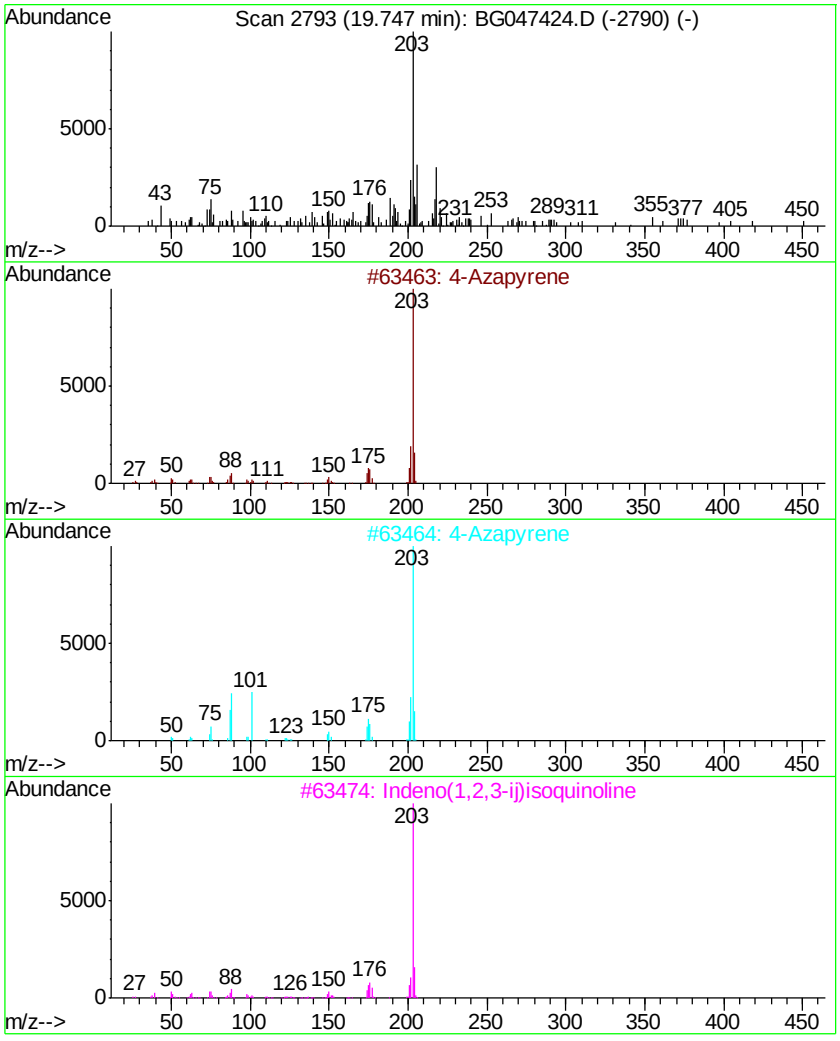
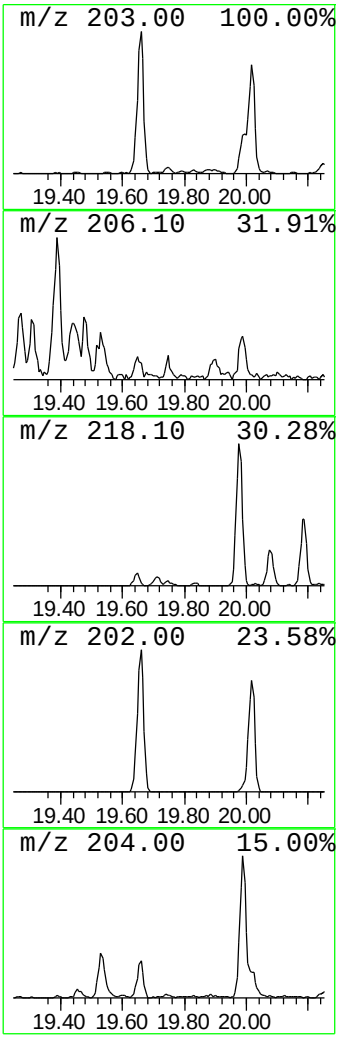
Peak Number 12 4-Azapyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	2.49 ng/ul	69214	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	70
2	4-Azapyrene	203	C15H9N	000194-03-6	55
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	50
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	50
5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	50





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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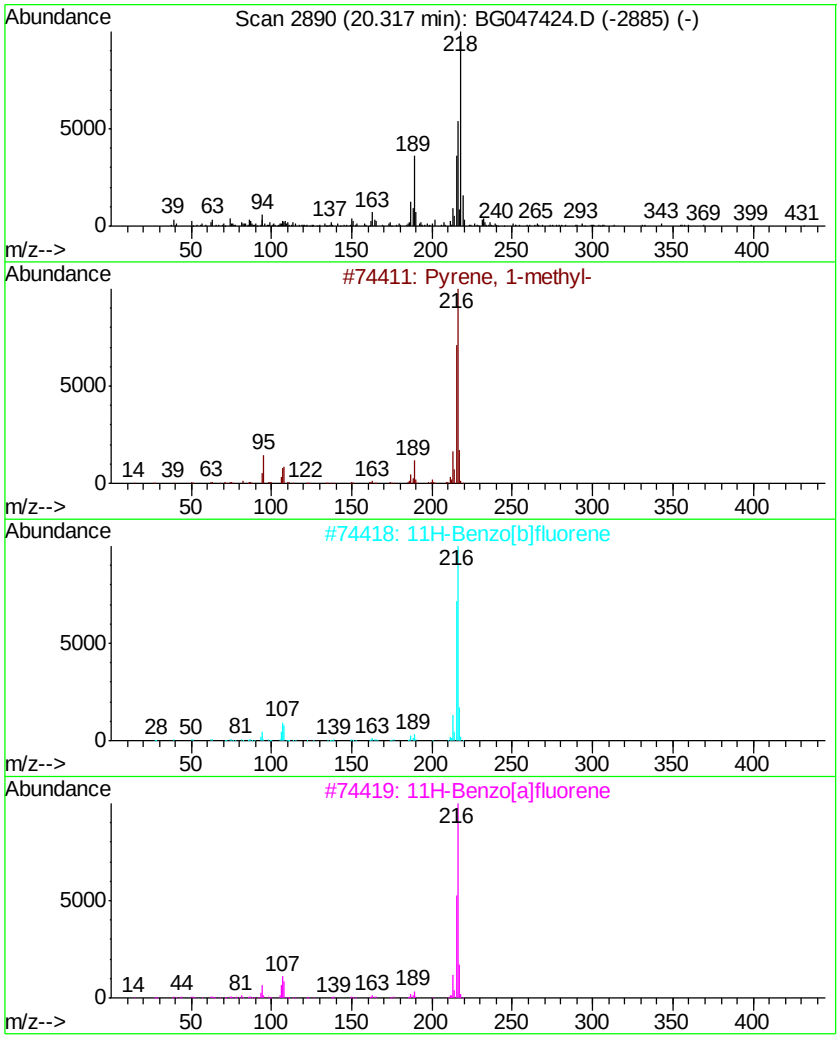
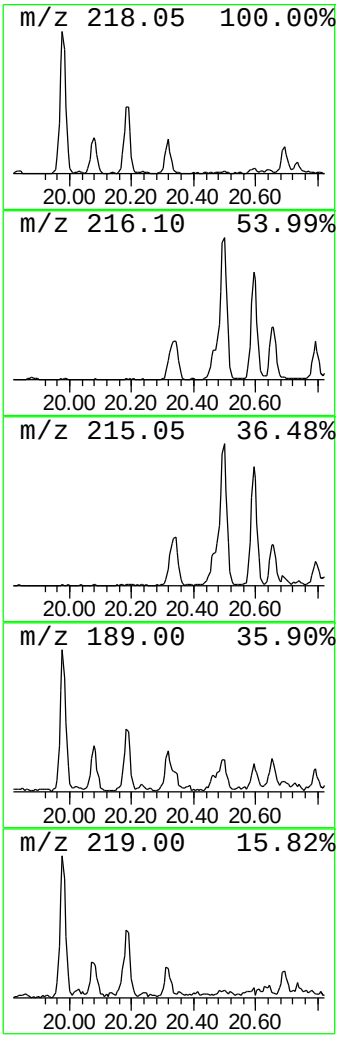
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.41 ng/ul	352433	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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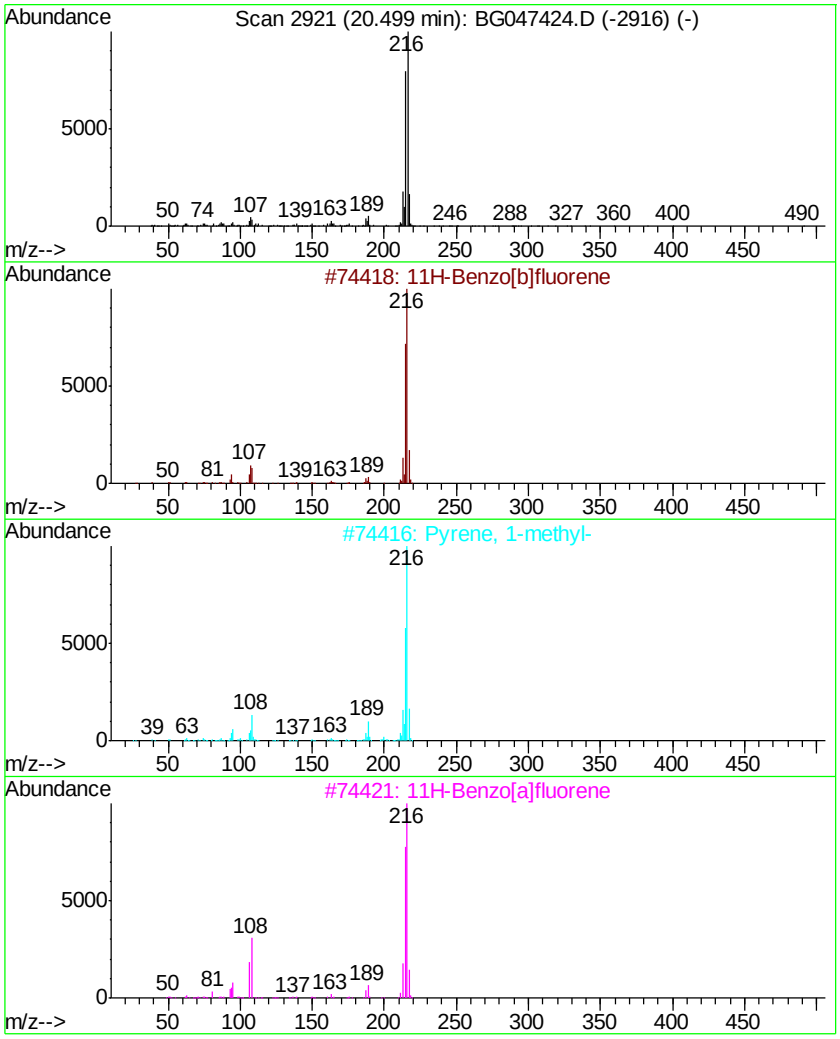
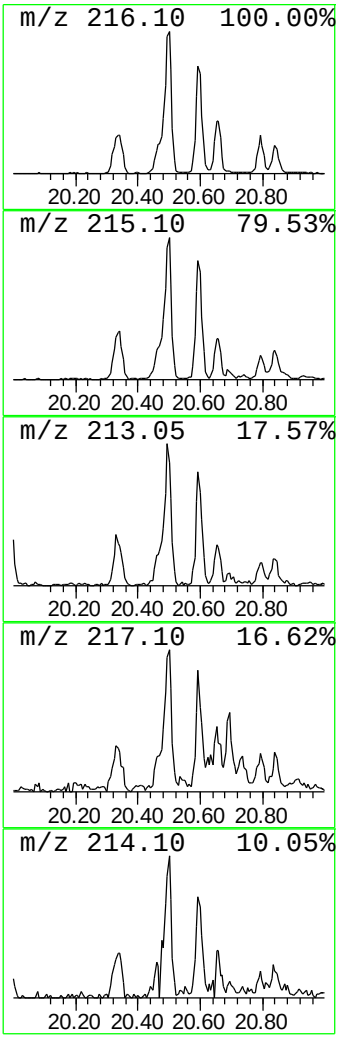
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	3.82 ng/ul	558077	Chrysene-d12	21.91

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





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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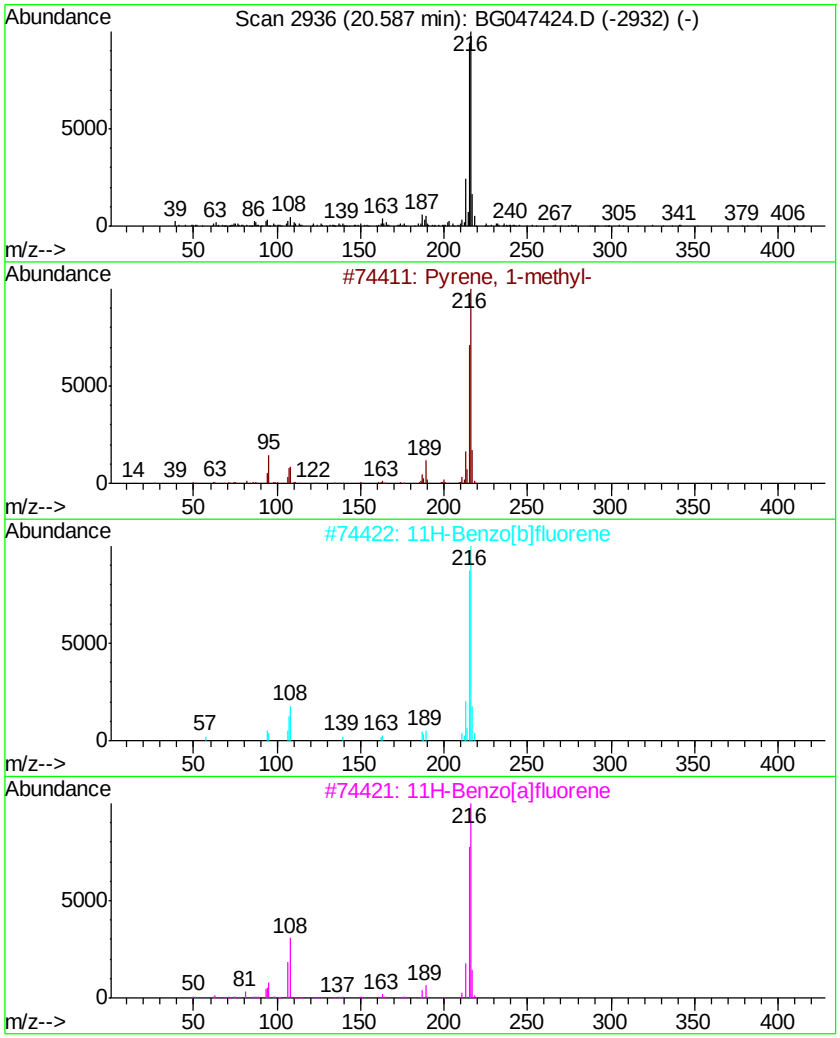
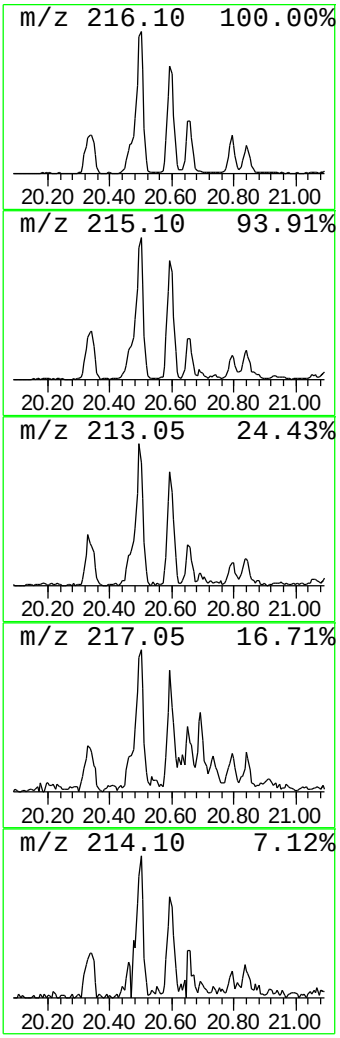
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.85 ng/ul	415912	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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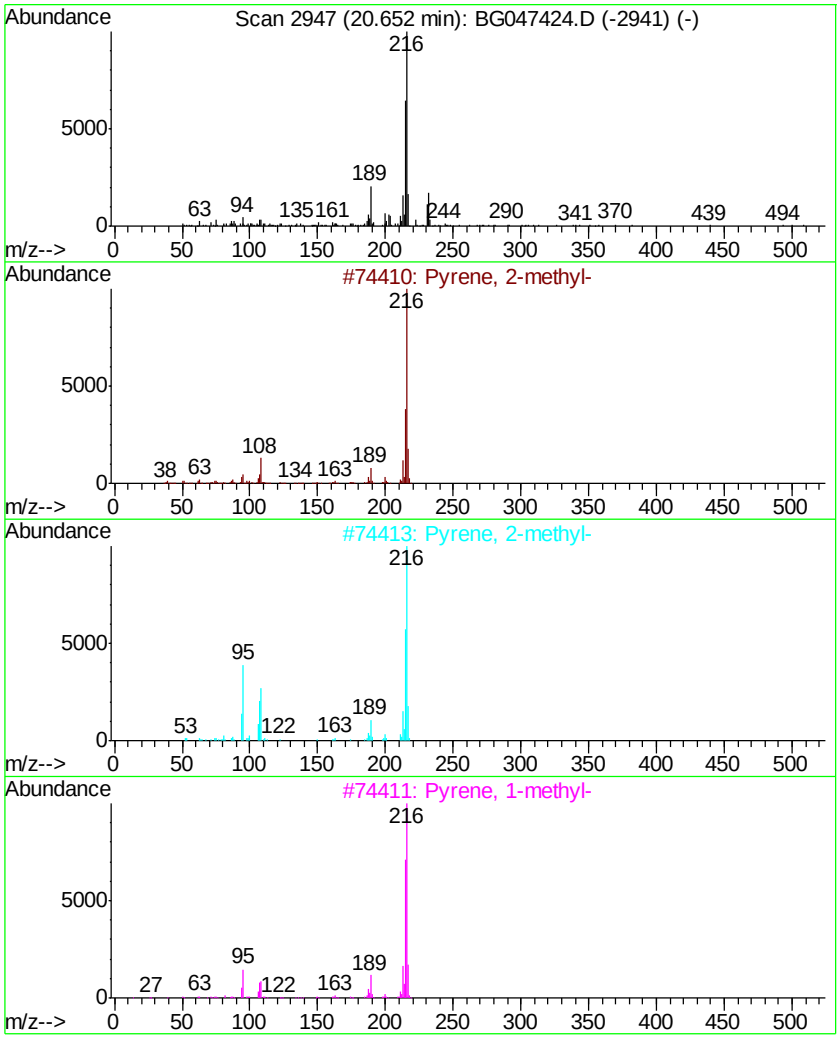
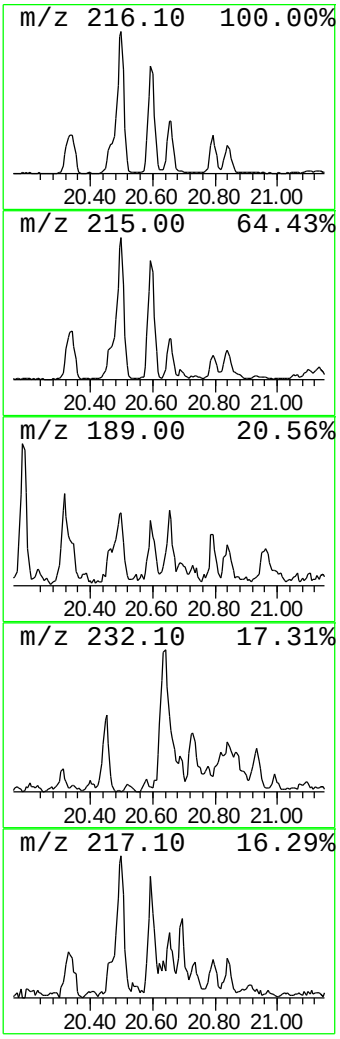
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.65	2.02 ng/ul	294732	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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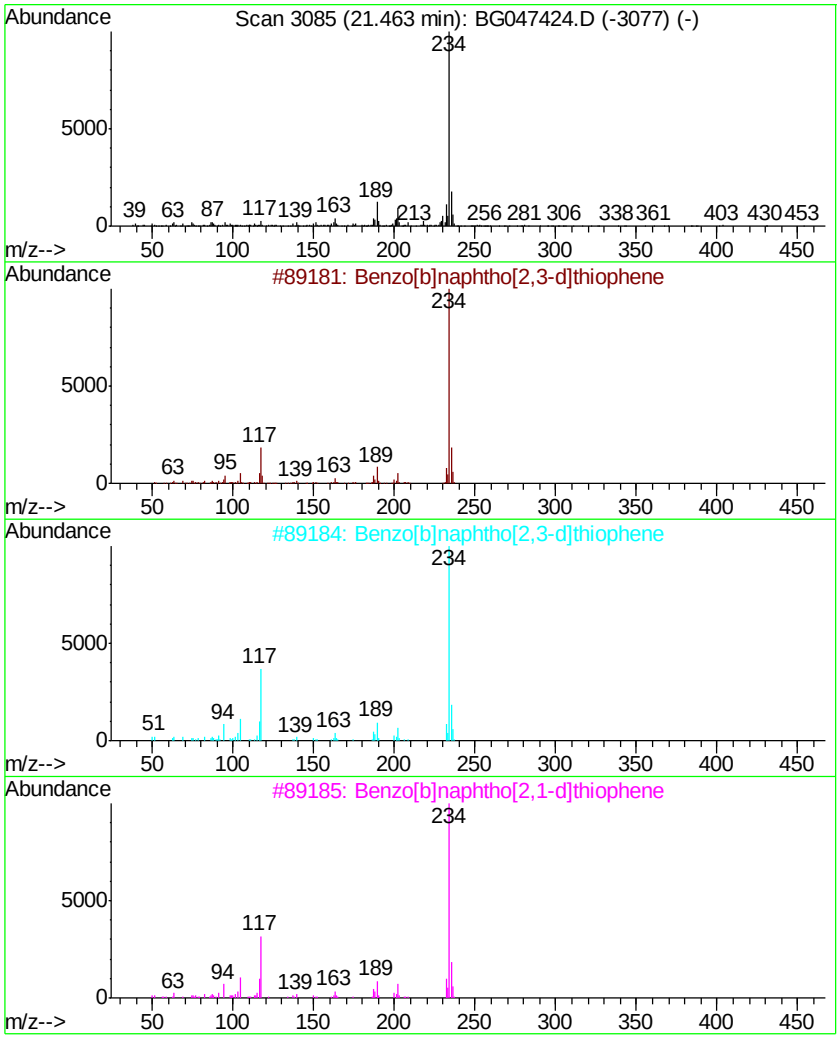
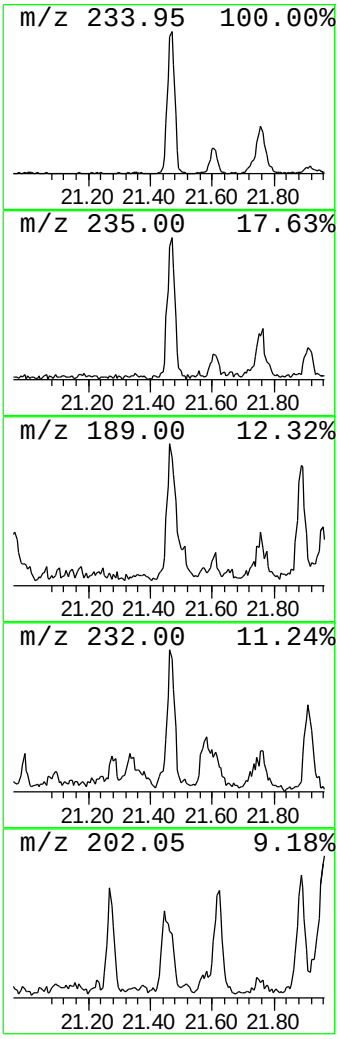
Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.72 ng/ul	543166	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
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	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93





Library Search Compound Report

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Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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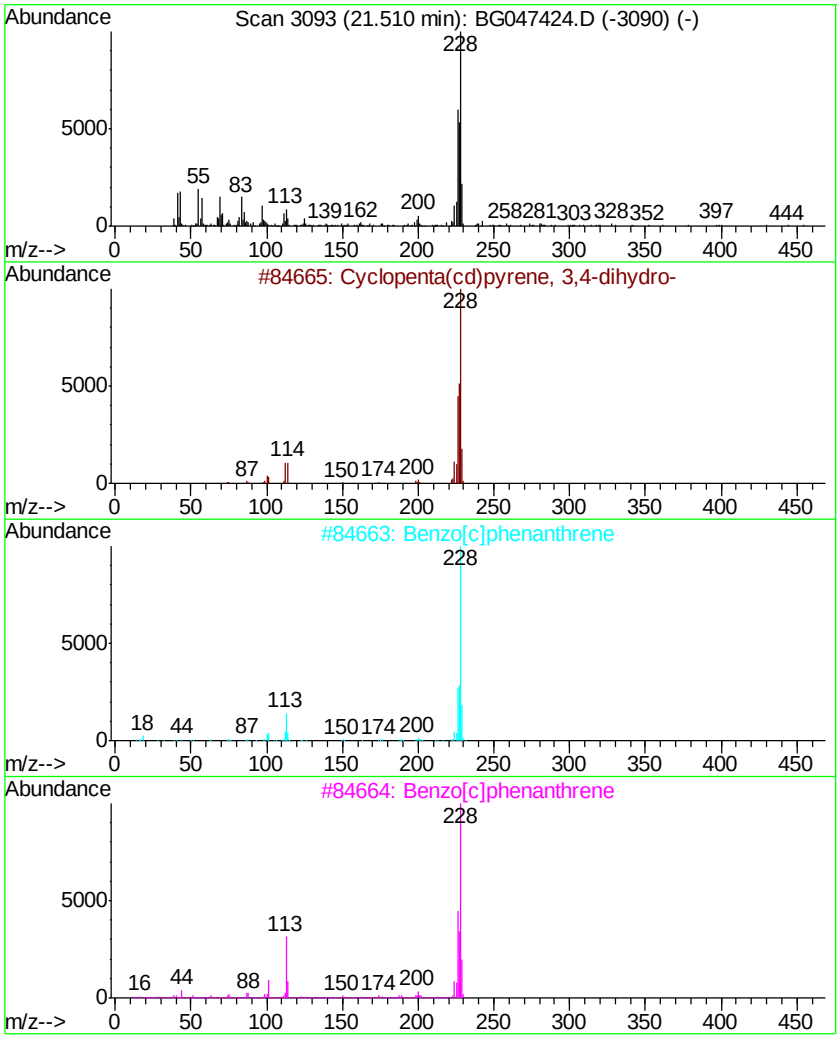
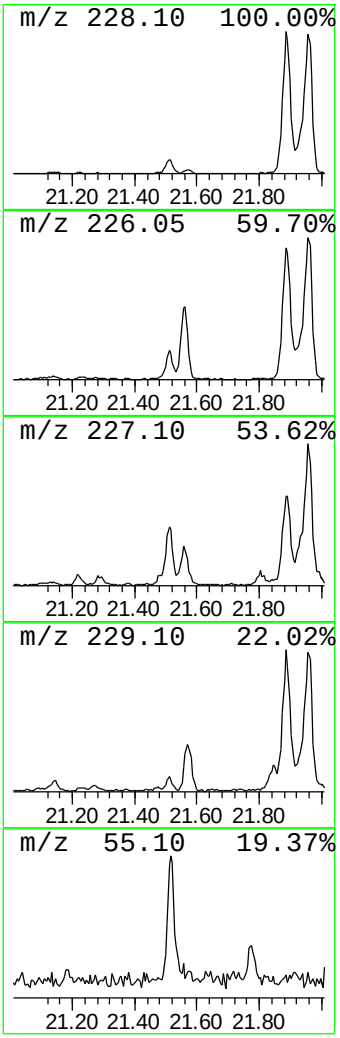
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.82 ng/ul	412435	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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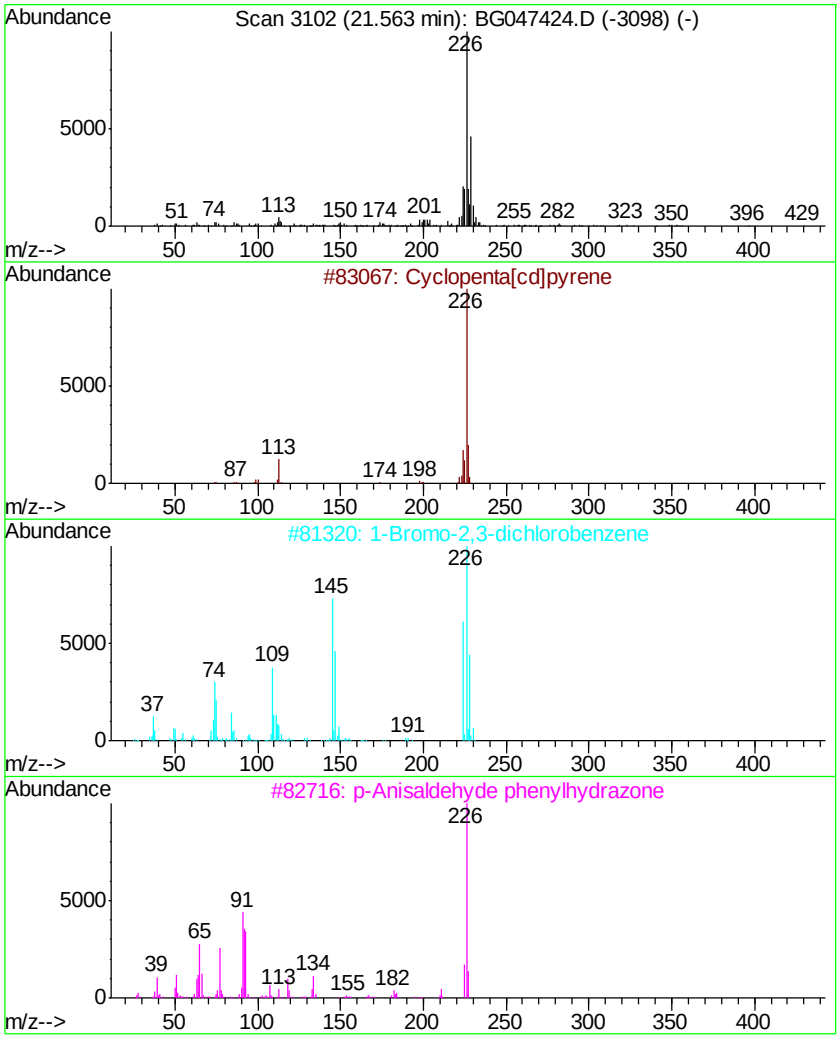
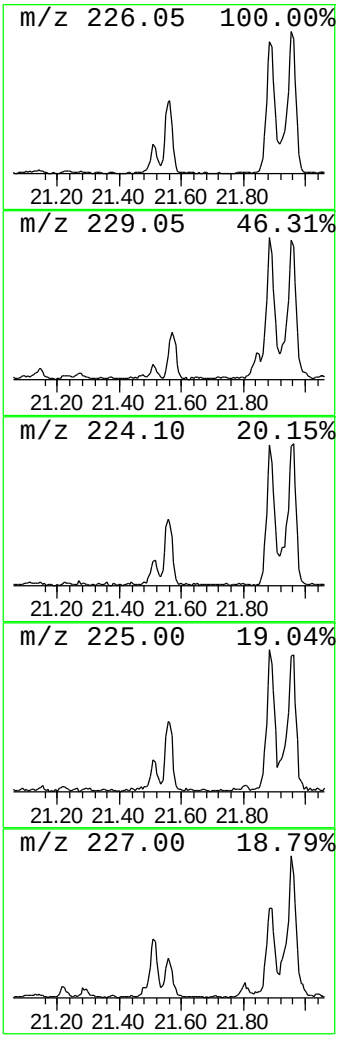
Peak Number 19 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.72 ng/ul	397770	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
2	1-Bromo-2,3-dichlorobenzene	224	C6H3BrCl2	056961-77-4	43
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37
5	Benzene, 1,2,4-trichloro-5-(meth...	226	C7H5Cl3S	004163-78-4	35





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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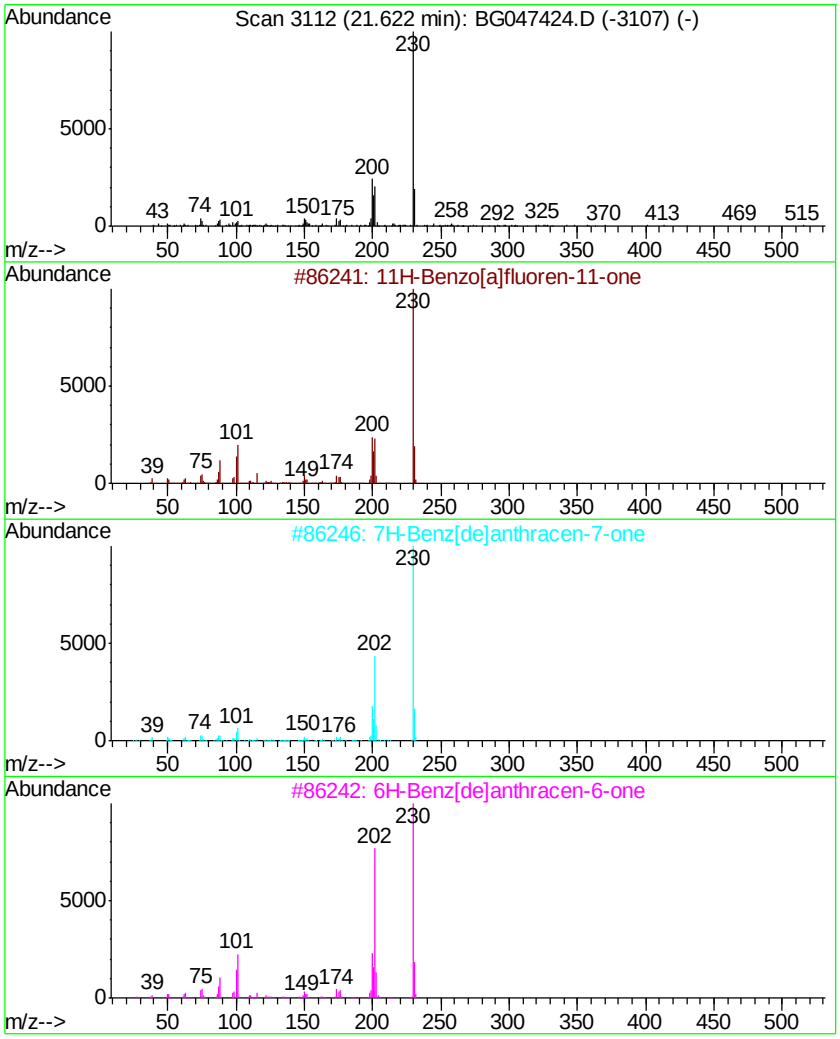
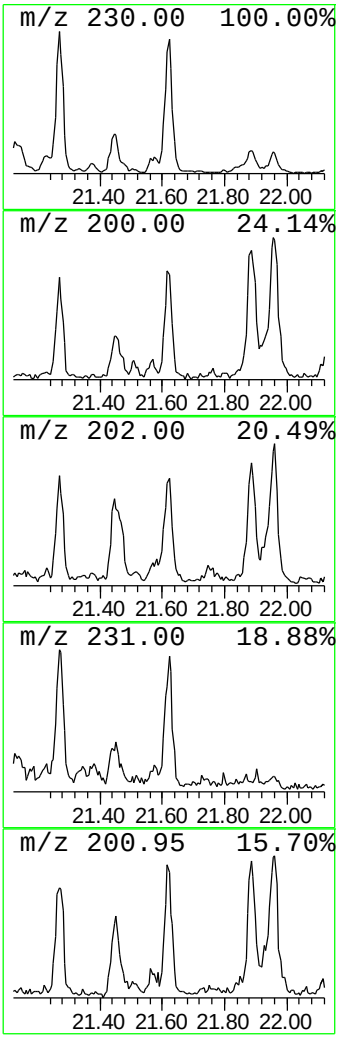
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	2.61 ng/ul	380767	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
4	3,3,7,7-Tetramethyl-tetrahydro-[...	230	C8H14N4S2	016085-51-1	47
5	p-Terphenyl	230	C18H14	000092-94-4	47





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ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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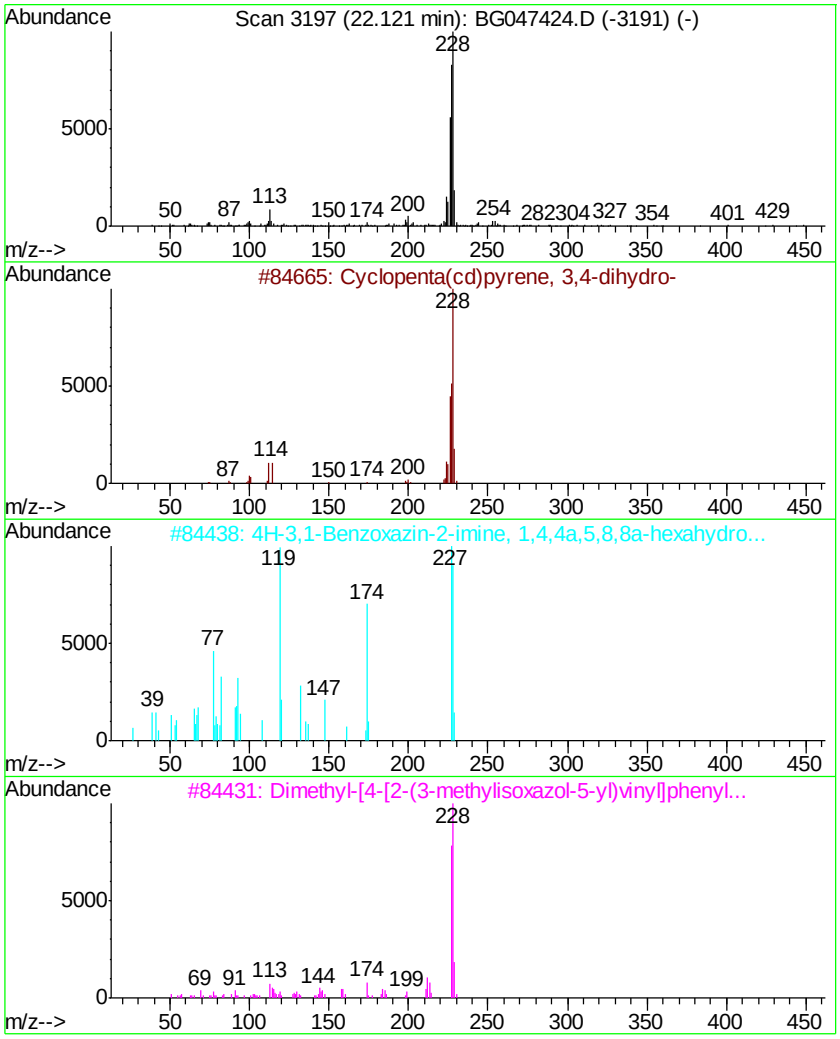
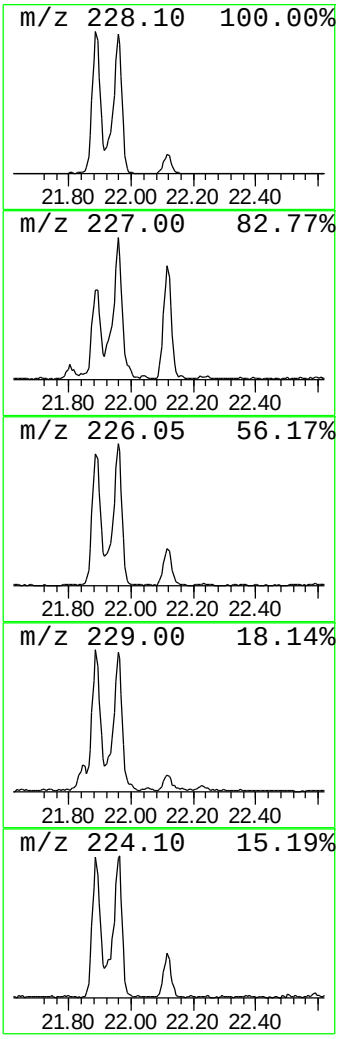
Peak Number 21 4H-3,1-Benzoxazin-2-imine, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.12	2.62 ng/ul	383351	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	53
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
4	Chrysene	228	C18H12	000218-01-9	35
5	Triphenylene	228	C18H12	000217-59-4	35





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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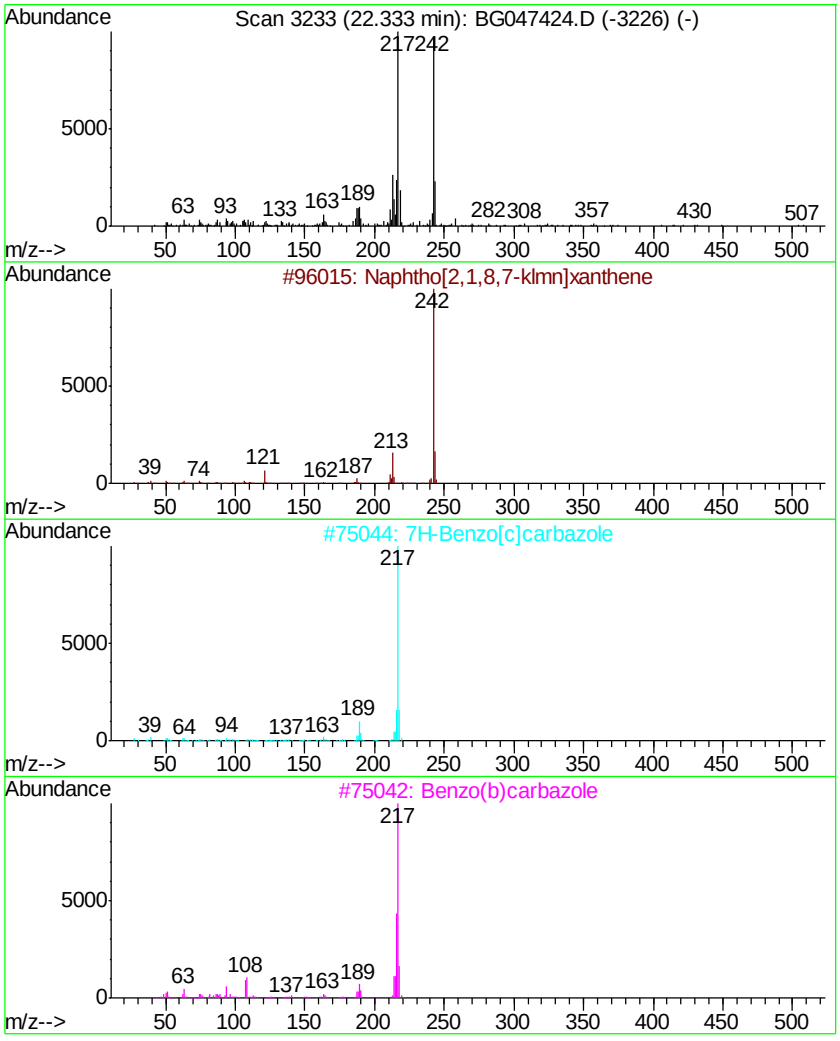
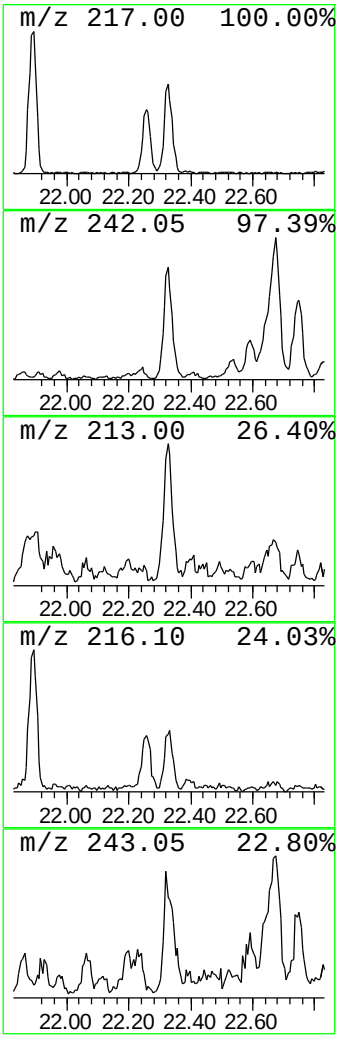
Peak Number 22 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	2.35 ng/ul	343417	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	49
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	42
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	42
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	42
5	1-Aminopyrene	217	C16H11N	001606-67-3	38





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Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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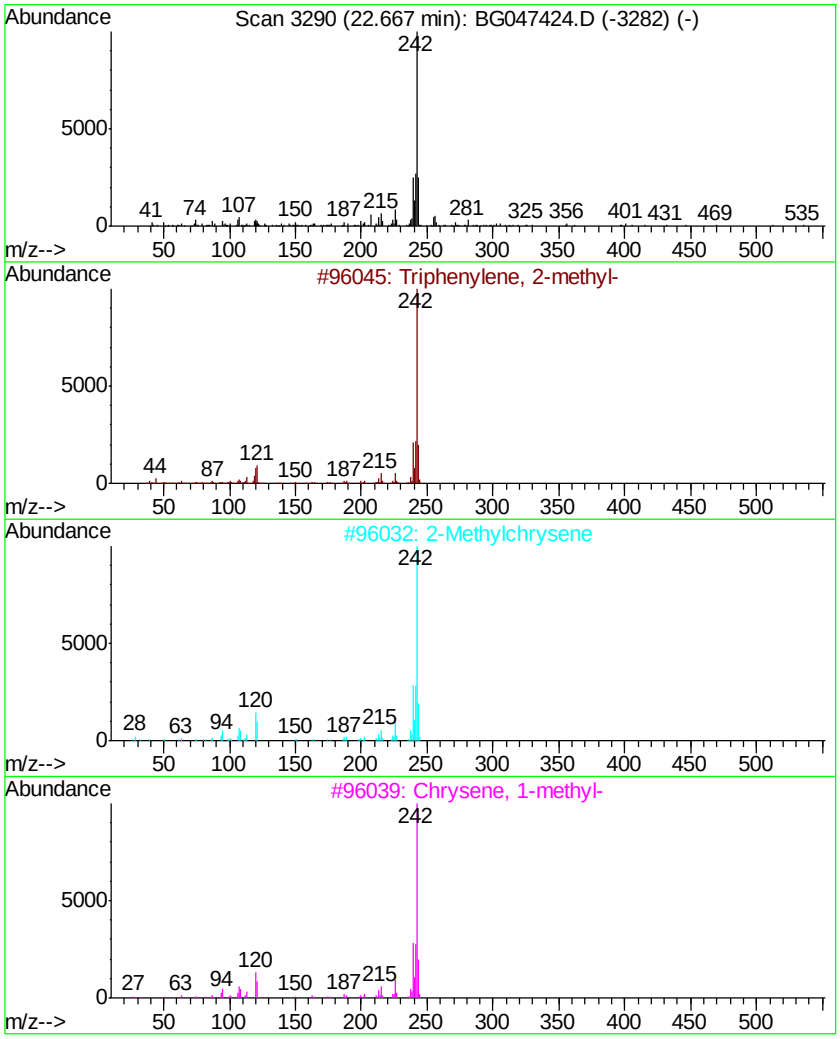
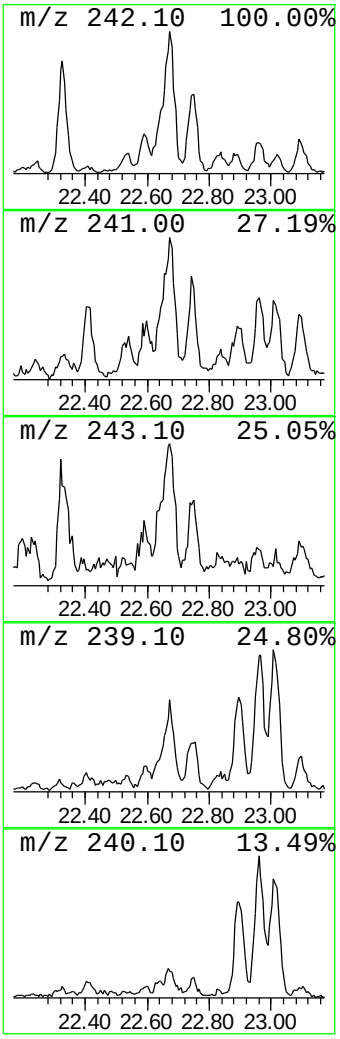
Peak Number 23 Triphenylene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	2.18 ng/ul	318740	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	2-Methylchrysene	242	C19H14	003351-32-4	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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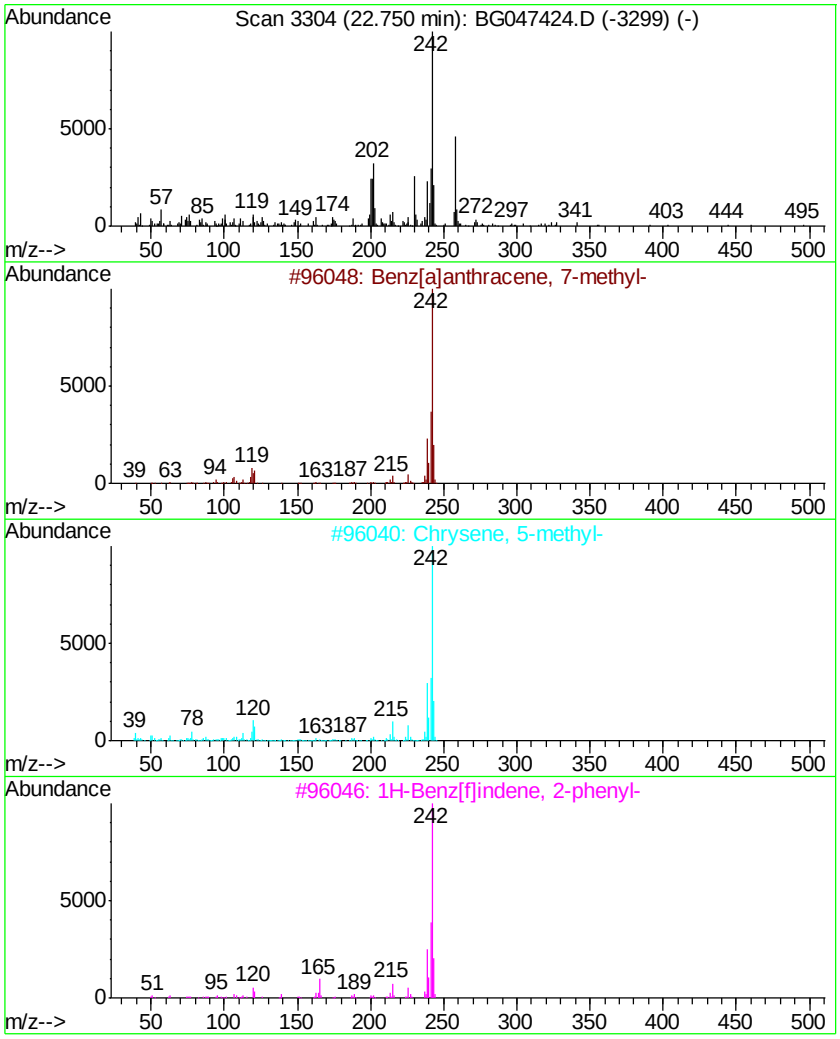
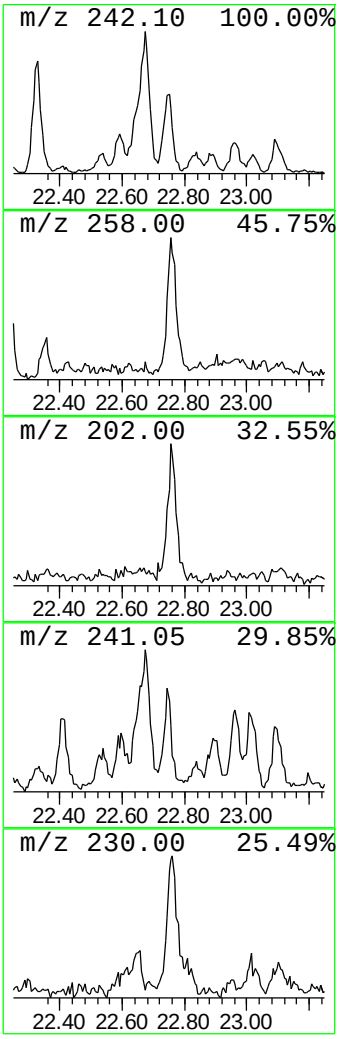
Peak Number 24 Benz[a]anthracene, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	2.09 ng/ul	305382	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	62
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	50
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	46
4	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	46
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	46





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Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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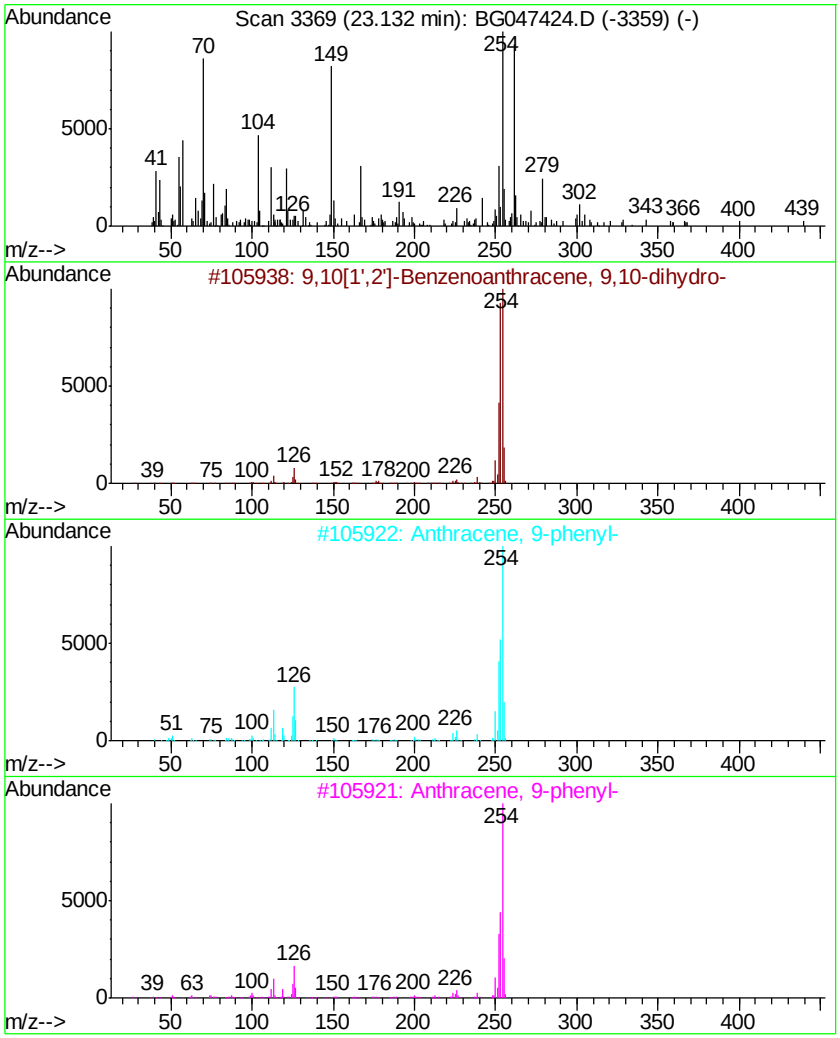
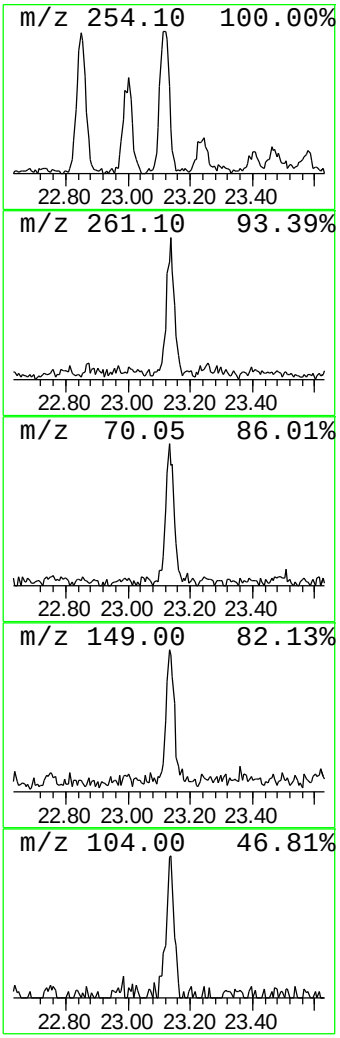
Peak Number 25 unknown-04 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	2.28 ng/ul	332740	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	30
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	25
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	25
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	25
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	22





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Instrument : BNA_G
ClientSampleId : C0B47

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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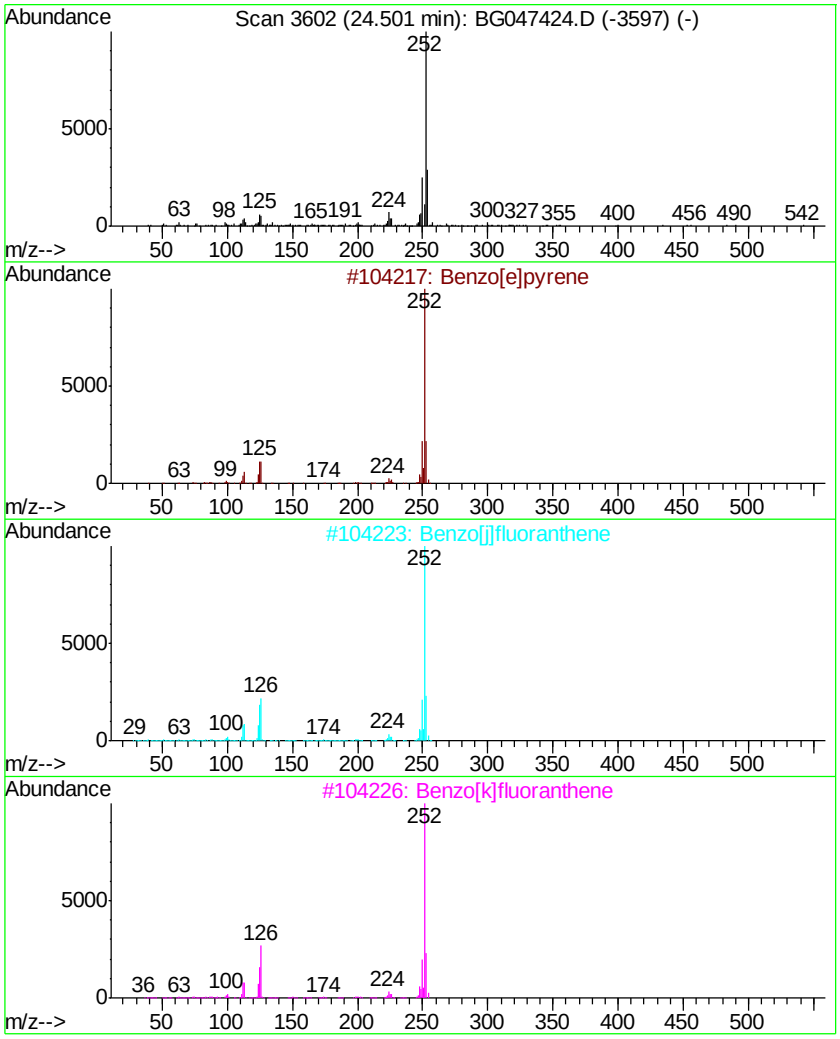
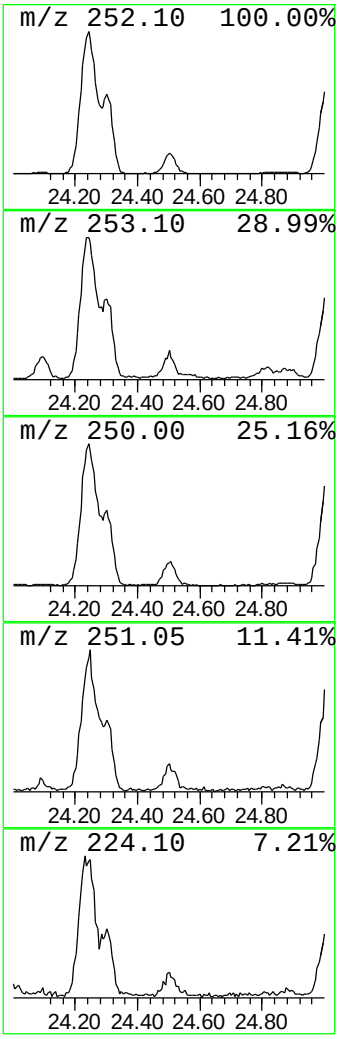
Peak Number 26 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.50	11.35 ng/ul	279547	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	68





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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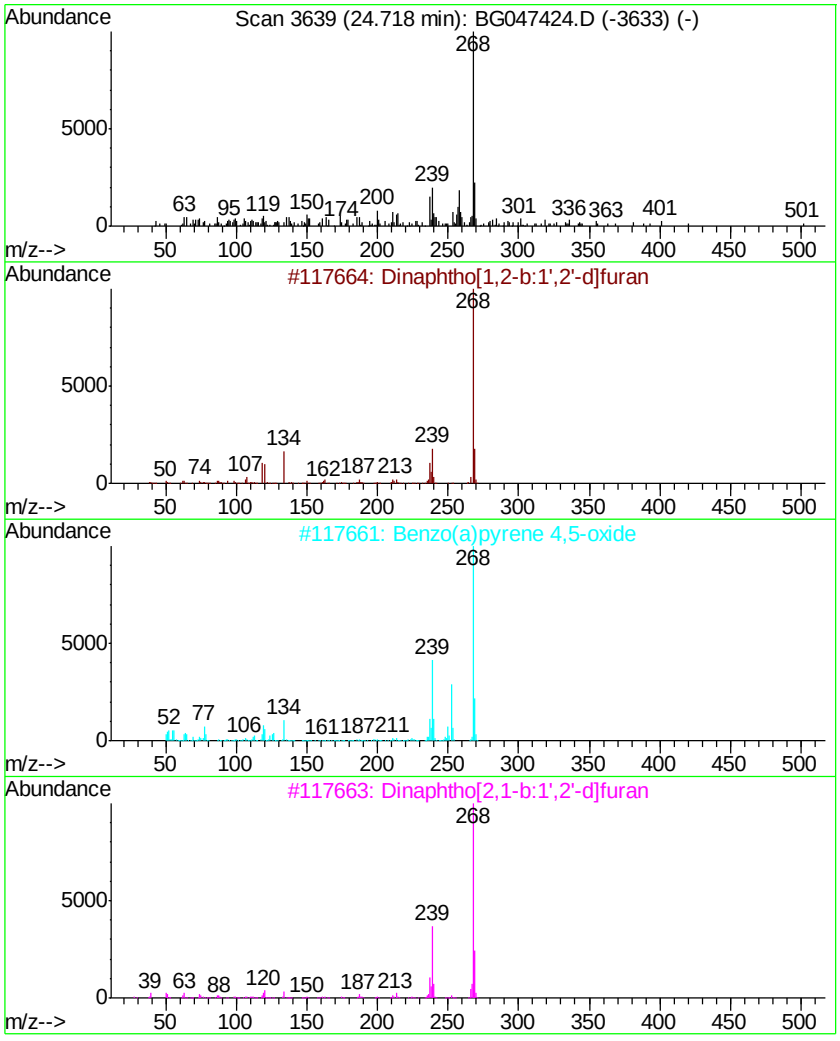
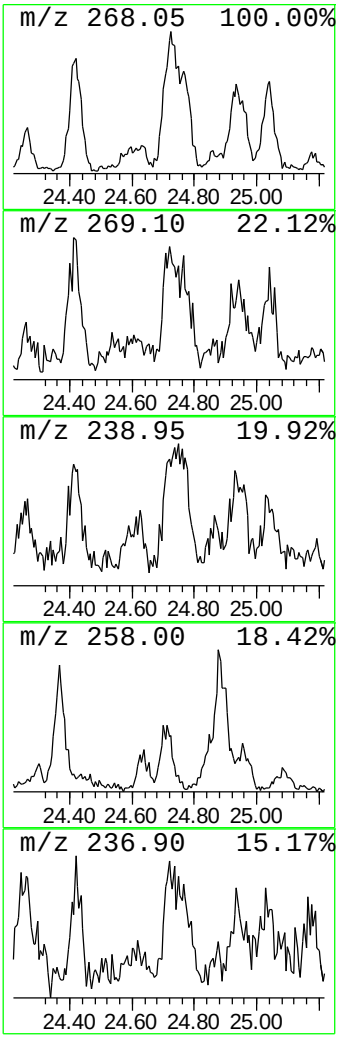
Peak Number 27 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	6.32 ng/ul	155748	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	72
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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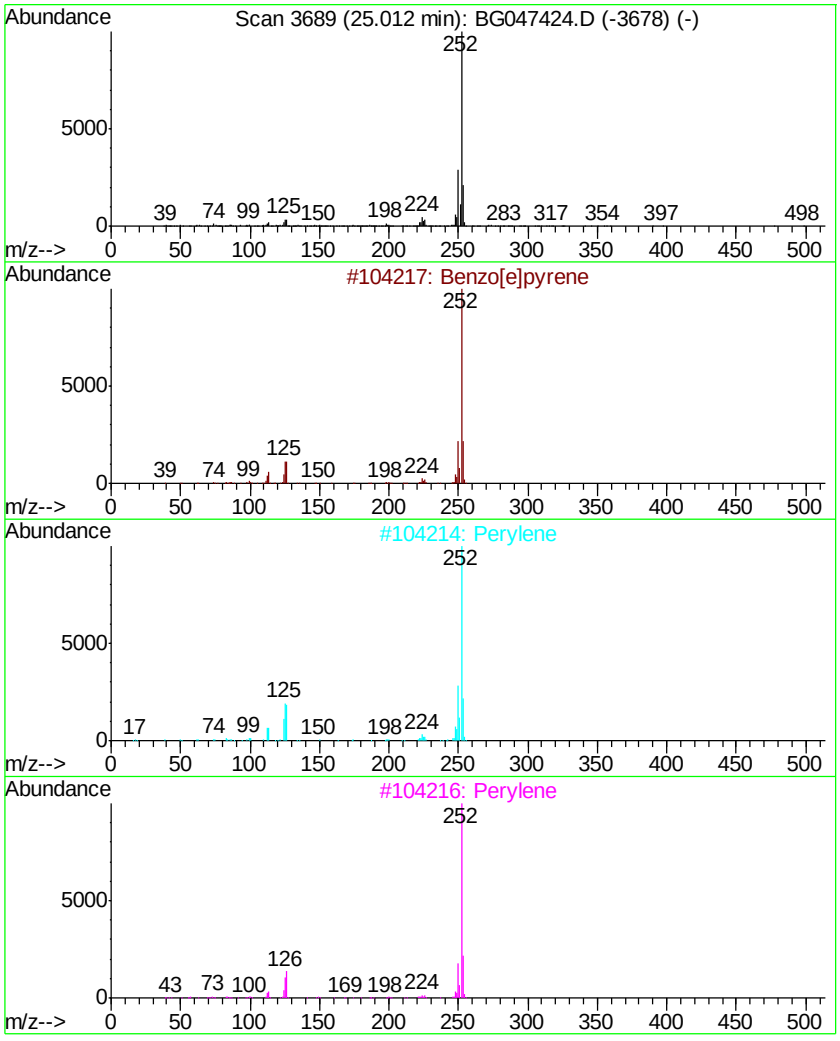
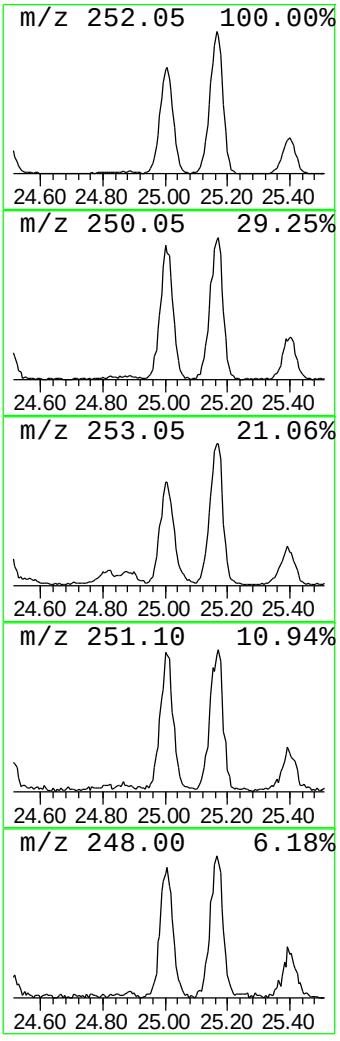
Peak Number 28 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	55.49 ng/ul	1367030	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	83





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Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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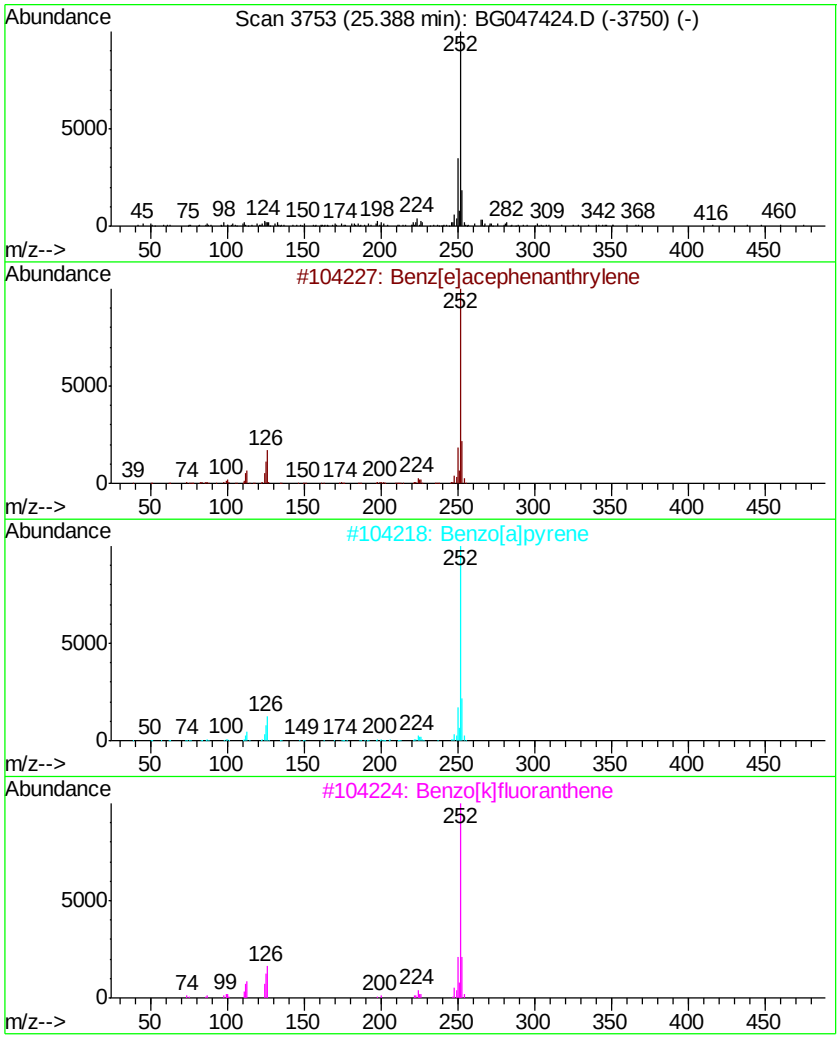
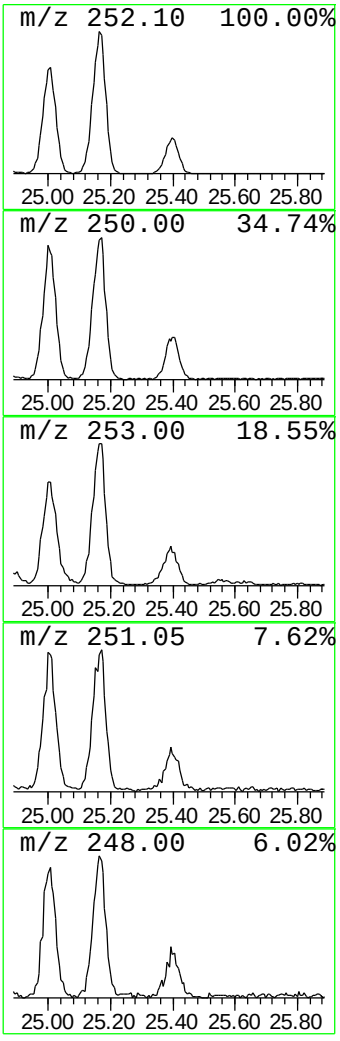
Peak Number 29 unknown-05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.39	21.68 ng/ul	533941	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
2	Benzo[a]pyrene	252	C20H12	000050-32-8	76
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70
4	Benzo[e]pyrene	252	C20H12	000192-97-2	68
5	Perylene	252	C20H12	000198-55-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047424.D
Acq On : 23 Nov 2020 19:53
Operator : CG/JU
Sample : L4749-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B47

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphtho[2,1-b]thi...	17.44	2.1	ng/ul	57833	4	17.62	557011	20.0
1H-Indene, 2-phenyl-	18.49	5.7	ng/ul	159918	4	17.62	557011	20.0
Phenanthrene, 2-m...	18.54	7.8	ng/ul	216556	4	17.62	557011	20.0
Phenanthrene, 3-m...	18.61	2.1	ng/ul	58991	4	17.62	557011	20.0
4H-Cyclopenta[def...	18.68	12.5	ng/ul	349356	4	17.62	557011	20.0
Naphthalene, 2-ph...	18.98	6.5	ng/ul	182165	4	17.62	557011	20.0
9,10-Anthracenedione	19.02	9.0	ng/ul	251161	4	17.62	557011	20.0
Anthracene, 2-ethyl-	19.21	4.2	ng/ul	116723	4	17.62	557011	20.0
9,10-Dimethylanth...	19.39	4.6	ng/ul	128927	4	17.62	557011	20.0
unknown-01	19.45	2.6	ng/ul	71507	4	17.62	557011	20.0
Cyclopenta(def)ph...	19.53	4.3	ng/ul	120039	4	17.62	557011	20.0
4-Azapyrene	19.75	2.5	ng/ul	69214	4	17.62	557011	20.0
Pyrene, 1-methyl-	20.32	2.4	ng/ul	352433	5	21.91	2921360	20.0
11H-Benzo[b]fluorene	20.50	3.8	ng/ul	558077	5	21.91	2921360	20.0
11H-Benzo[a]fluorene	20.59	2.9	ng/ul	415912	5	21.91	2921360	20.0
Pyrene, 2-methyl-	20.65	2.0	ng/ul	294732	5	21.91	2921360	20.0
Benzo[b]naphtho[2...	21.46	3.7	ng/ul	543166	5	21.91	2921360	20.0
Cyclopenta(cd)pyr...	21.51	2.8	ng/ul	412435	5	21.91	2921360	20.0
unknown-02	21.56	2.7	ng/ul	397770	5	21.91	2921360	20.0
11H-Benzo[a]fluor...	21.62	2.6	ng/ul	380767	5	21.91	2921360	20.0
4H-3,1-Benzoxazin...	22.12	2.6	ng/ul	383351	5	21.91	2921360	20.0
unknown-03	22.33	2.4	ng/ul	343417	5	21.91	2921360	20.0
Triphenylene, 2-m...	22.67	2.2	ng/ul	318740	5	21.91	2921360	20.0
Benz[a]anthracene...	22.75	2.1	ng/ul	305382	5	21.91	2921360	20.0
unknown-04	23.13	2.3	ng/ul	332740	5	21.91	2921360	20.0
Benzo[e]pyrene	24.50	11.4	ng/ul	279547	6	25.32	492671	20.0
Dinaphtho[1,2-b:1...	24.72	6.3	ng/ul	155748	6	25.32	492671	20.0
Perylene	25.01	55.5	ng/ul	1367030	6	25.32	492671	20.0
unknown-05	25.39	21.7	ng/ul	533941	6	25.32	492671	20.0