LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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	4.152	131	138	147	rBV3	32515	51607	1.65%	0.141%
2	7.407	686	692	704	rVB3	106525	220837	7.06%	0.602%
3	7.583	715	722	728	rBV	60112	111235	3.56%	0.303%
4	7.800	753	759	768	rVB3	115166	192636	6.16%	0.525%
5	8.276	830	840	847	rBV	183160	318670	10.19%	0.868%
6	8.963	951	957	964	rBV3	115613	209281	6.69%	0.570%
7	9.439	1031	1038	1045	rVB2	104358	189920	6.08%	0.517%
8	10.168	1155	1162	1172	rVB2	92538	173145	5.54%	0.472%
9	10.709	1246	1254	1260	rBV	155184	266816	8.54%	0.727%
10	11.102	1312	1321	1328	rBV	220494	412537	13.20%	1.124%
11	11.226	1334	1342	1351	rVV2	71971	137399	4.40%	0.374%
12	13.041	1647	1651	1655	rBV2	12138	16987	0.54%	0.046%
13	14.275	1855	1861	1866	rVV	246703	358970	11.48%	0.978%
14	14.322	1866	1869	1874	rVB	37022	48601	1.55%	0.132%
15	14.580	1906	1913	1921	rVB	248889	403716	12.92%	1.100%
16	14.886	1957	1965	1972	rBV2	355191	560026	17.92%	1.526%
17	14.951	1972	1976	1981	rVB2	31620	44592	1.43%	0.121%
18	15.045	1986	1992	2000	rVV2	94109	147272	4.71%	0.401%
19	15.274	2026	2031	2038	rVB5	18078	27994	0.90%	0.076%
20	15.873	2123	2133	2138	rBV	298827	498303	15.94%	1.358%
21	15.920	2138	2141	2146	rVV2	32369	55577	1.78%	0.151%
22	15.973	2146	2150	2155	rVB4	29428	50309	1.61%	0.137%
23	16.214	2188	2191	2195	rVB2	13106	17305	0.55%	0.047%
24	16.367	2213	2217	2223	rBV3	12867	23958	0.77%	0.065%
25	16.596	2252	2256	2262	rVV4	10618	16717	0.53%	0.046%
26	16.925	2309	2312	2316	rVV3	12873	19896	0.64%	0.054%
27	17.142	2343	2349	2353	rVV7	9904	18490	0.59%	0.050%
28	17.183	2353	2356	2364	rVV7	11244	21988	0.70%	0.060%
29	17.271	2366	2371	2377	rVB2	36132	58675	1.88%	0.160%
30	17.348	2379	2384	2385	rBV3	16122	19210	0.61%	0.052%
31	17.365	2385	2387	2394	rVV6	15072	27985	0.90%	0.076%
32	17.442	2395	2400	2406	rVB	37752	59613	1.91%	0.162%
33	17.618	2424	2430	2434	rBV	408984	668294	21.38%	1.821%
34	17.665	2434	2438	2443	rVV	695054	1036119	33.15%	2.823%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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	17.718	2443	2447	2451	rVV	316543	503610	16.11%	1.372%
36	17.753	2451	2453	2458	rVB	114423	131398	4.20%	0.358%
37	17.806	2458	2462	2467	rVB	30954	47074	1.51%	0.128%
38	17.882	2469	2475	2479	rBV2	38054	53223	1.70%	0.145%
39	18.012	2489	2497	2502	rBV3	91250	171705	5.49%	0.468%
40	18.135	2514	2518	2525	rVV3	16346	28931	0.93%	0.079%
41	18.200	2525	2529	2533	rVB7	19161	28921	0.93%	0.079%
42	18.311	2545	2548	2551	rBV4	10435	15907	0.51%	0.043%
43	18.488	2573	2578	2582	rVV	104536	168406	5.39%	0.459%
44	18.541	2582	2587	2593	rVB	145761	241442	7.72%	0.658%
45	18.617	2594	2600	2604	rBV	40136	60444	1.93%	0.165%
46	18.682	2604	2611	2616	rBV3	165683	347843	11.13%	0.948%
47	18.717	2616	2617	2623	rVB2	77658	74971	2.40%	0.204%
48	18.781	2623	2628	2632	rBV8	15002	30273	0.97%	0.082%
49	18.823	2632	2635	2640	rBV5	16135	26306	0.84%	0.072%
50	18.975	2655	2661	2664	rBV	109664	166816	5.34%	0.454%
51	19.016	2664	2668	2675	rVV	191792	297635	9.52%	0.811%
52	19.099	2679	2682	2686	rBV4	13892	24275	0.78%	0.066%
53	19.222	2700	2703	2707	rVB3	32323	41136	1.32%	0.112%
54	19.269	2707	2711	2714	rBV	29786	34944	1.12%	0.095%
55	19.310	2715	2718	2720	rVB3	25196	25770	0.82%	0.070%
56	19.392	2726	2732	2736	rBV3	76578	134214	4.29%	0.366%
57	19.451	2737	2742	2745	rVV3	38747	73563	2.35%	0.200%
58	19.481	2745	2747	2751	rVV5	27091	33639	1.08%	0.092%
59	19.533	2751	2756	2762	rVV2	83971	148512	4.75%	0.405%
60	19.657	2771	2777	2782	rVB	2199139	3125945	100.00%	8.516%
61	19.710	2782	2786	2788	rVV2	28284	34721	1.11%	0.095%
62	19.745	2789	2792	2796	rVB	45243	59077	1.89%	0.161%
63	19.839	2804	2808	2812	rBV3	54046	81700	2.61%	0.223%
64	19.892	2812	2817	2826	rVB2	73318	176493	5.65%	0.481%
65	19.986	2826	2833	2835	rBV3	709272	1214820	38.86%	3.310%
66	20.015	2835	2838	2844	rVV	1685702	2346701	75.07%	6.393%
67	20.080	2844	2849	2854	rVB2	101474	157431	5.04%	0.429%
68	20.186	2862	2867	2871	rBV	133084	177751	5.69%	0.484%
69	20.244	2873	2877	2882	rVB	81300	116588	3.73%	0.318%
70	20.338	2885	2893	2897	rBV4	141139	365557	11.69%	0.996%
71	20.497	2909	2920	2925	rVB2	297933	628118	20.09%	1.711%

LSC Area Percent Report

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Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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	20.597	2932	2937	2940	rBV2	171114	227203	7.27%	0.619%
73	20.656	2940	2947	2950	rVV3	148447	306539	9.81%	0.835%
74	20.691	2950	2953	2957	rVV	113274	130666	4.18%	0.356%
75	20.726	2957	2959	2966	rVB3	42464	66889	2.14%	0.182%
76	20.797	2967	2971	2974	rBV	90519	126904	4.06%	0.346%
77	20.844	2975	2979	2982	rVB	86460	105428	3.37%	0.287%
78	21.061	3011	3016	3018	rBV5	44677	65019	2.08%	0.177%
79	21.273	3047	3052	3058	rVB	240848	392596	12.56%	1.070%
80	21.467	3077	3085	3089	rBV2	243804	531975	17.02%	1.449%
81	21.514	3089	3093	3097	rVV	221312	365025	11.68%	0.994%
82	21.561	3097	3101	3106	rVV2	183456	375770	12.02%	1.024%
83	21.619	3106	3111	3120	rVB2	271956	508228	16.26%	1.385%
84	21.772	3132	3137	3144	rVB2	212031	347802	11.13%	0.948%
85	21.890	3147	3157	3164	rVV2	1069690	2818613	90.17%	7.679%
86	21.960	3164	3169	3181	rVB	1053389	2012928	64.39%	5.484%
87	22.119	3191	3196	3202	rBV	151721	259225	8.29%	0.706%
88	22.324	3226	3231	3238	rBV	155613	305882	9.79%	0.833%
89	22.671	3287	3290	3295	rVB	121985	200495	6.41%	0.546%
90	22.753	3299	3304	3310	rVB4	170430	333227	10.66%	0.908%
91	22.965	3335	3340	3344	rBV3	73339	158297	5.06%	0.431%
92	23.370	3405	3409	3417	rVB6	80744	159923	5.12%	0.436%
93	24.246	3547	3558	3565	rBV	807200	2892222	92.52%	7.880%
94	24.504	3597	3602	3610	rVB2	99347	242024	7.74%	0.659%
95	25.009	3679	3688	3696	rBV2	407144	1214526	38.85%	3.309%
96	25.086	3696	3701	3706	rVV2	130267	352951	11.29%	0.962%
97	25.162	3706	3714	3726	rVB2	562426	1703306	54.49%	4.641%
98	25.321	3732	3741	3748	rBV3	206141	639793	20.47%	1.743%
99	25.403	3749	3755	3770	rVB2	157916	588231	18.82%	1.603%
100	29.257	4398	4411	4432	rVB3	252040	1392915	44.56%	3.795%

Sum of corrected areas: 36705142

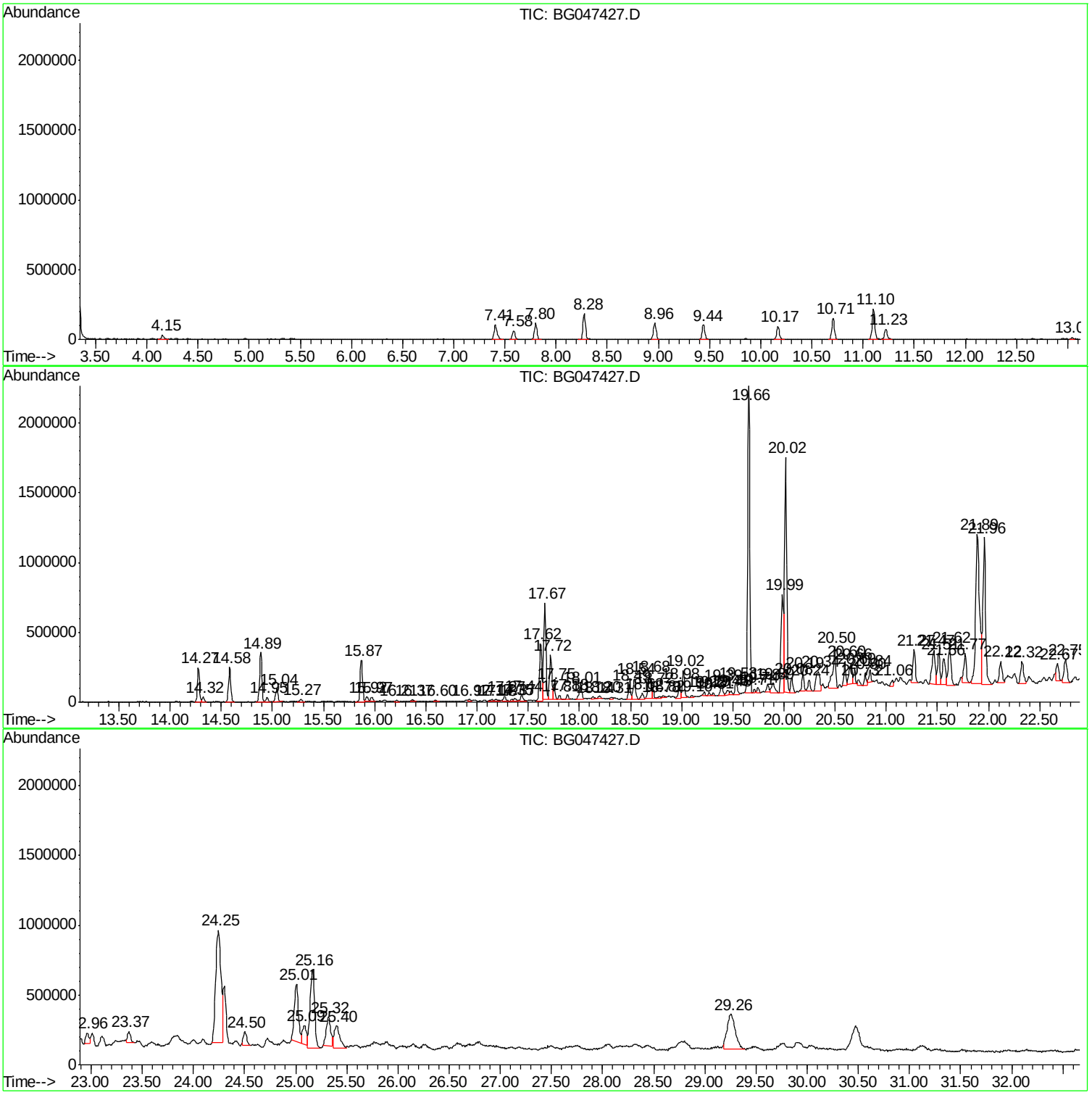
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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 : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

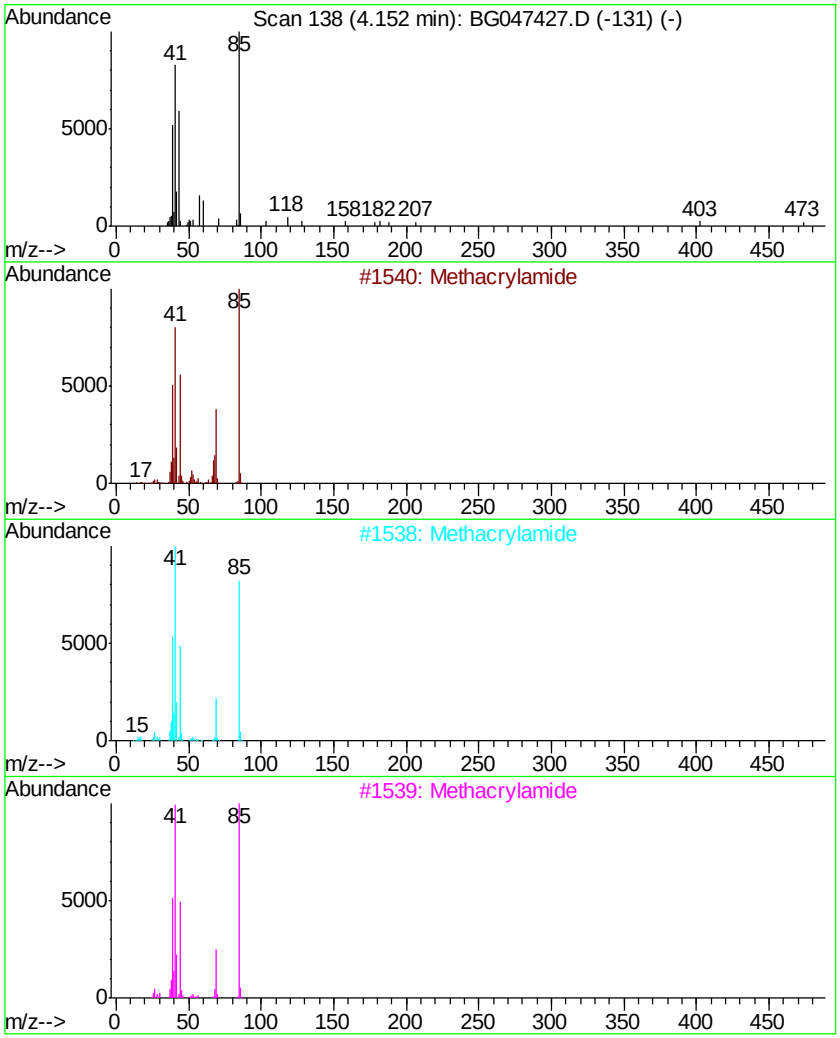
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

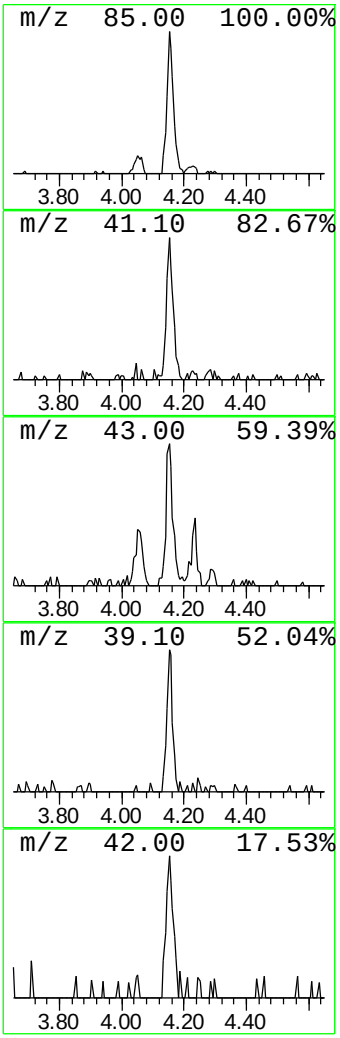
****

Peak Number 1 Methacrylamide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.15	3.24 ng/ul	51607	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	59
2	Methacrylamide	85	C4H7NO	000079-39-0	59
3	Methacrylamide	85	C4H7NO	000079-39-0	59
4	2-Propyltetrahydropyran	128	C8H16O	003857-17-8	38
5	Thiazole	85	C3H3NS	000288-47-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

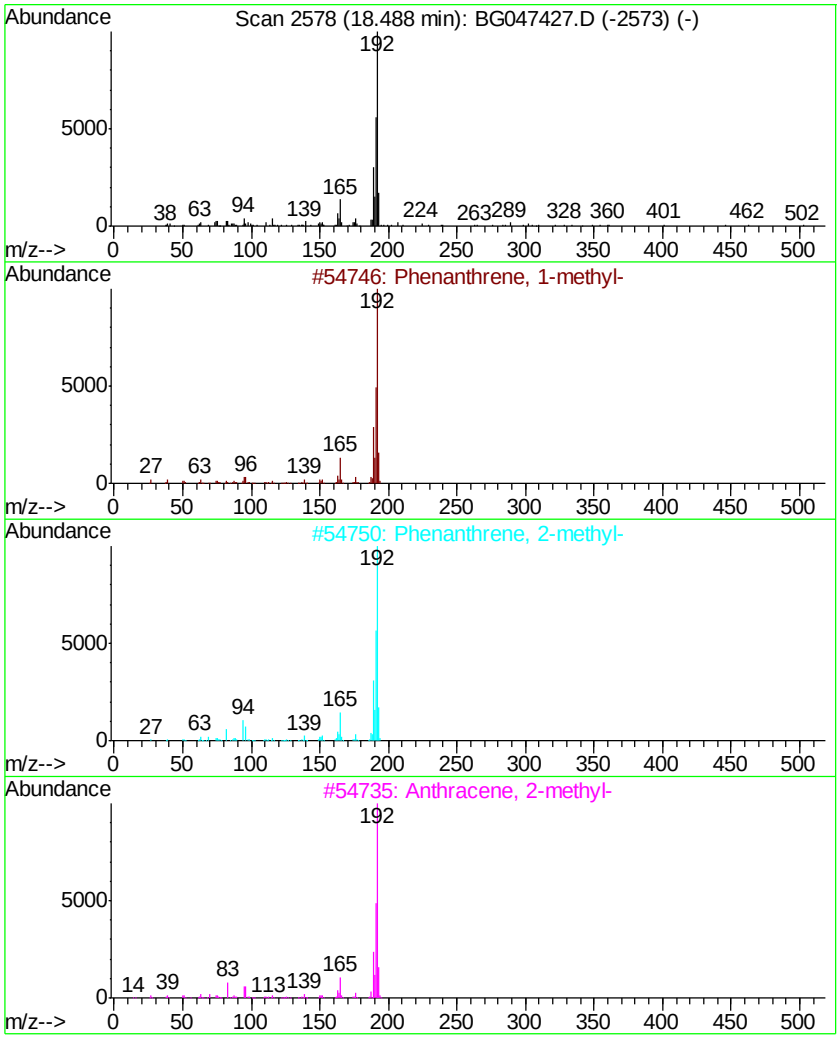
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

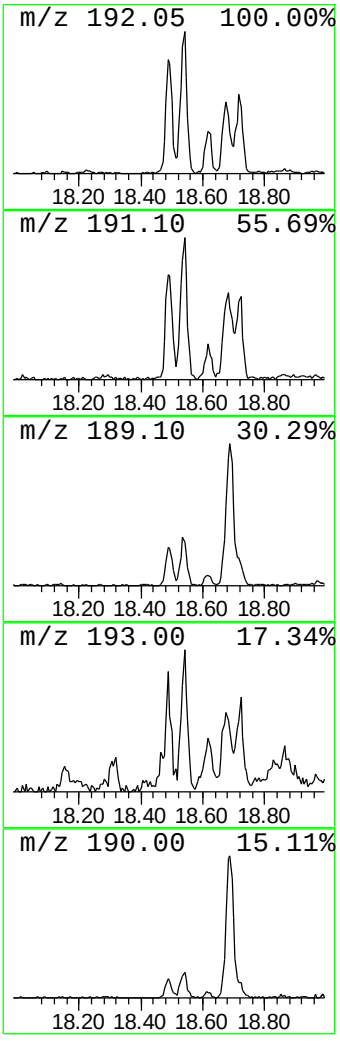
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.04 ng/ul	168406	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

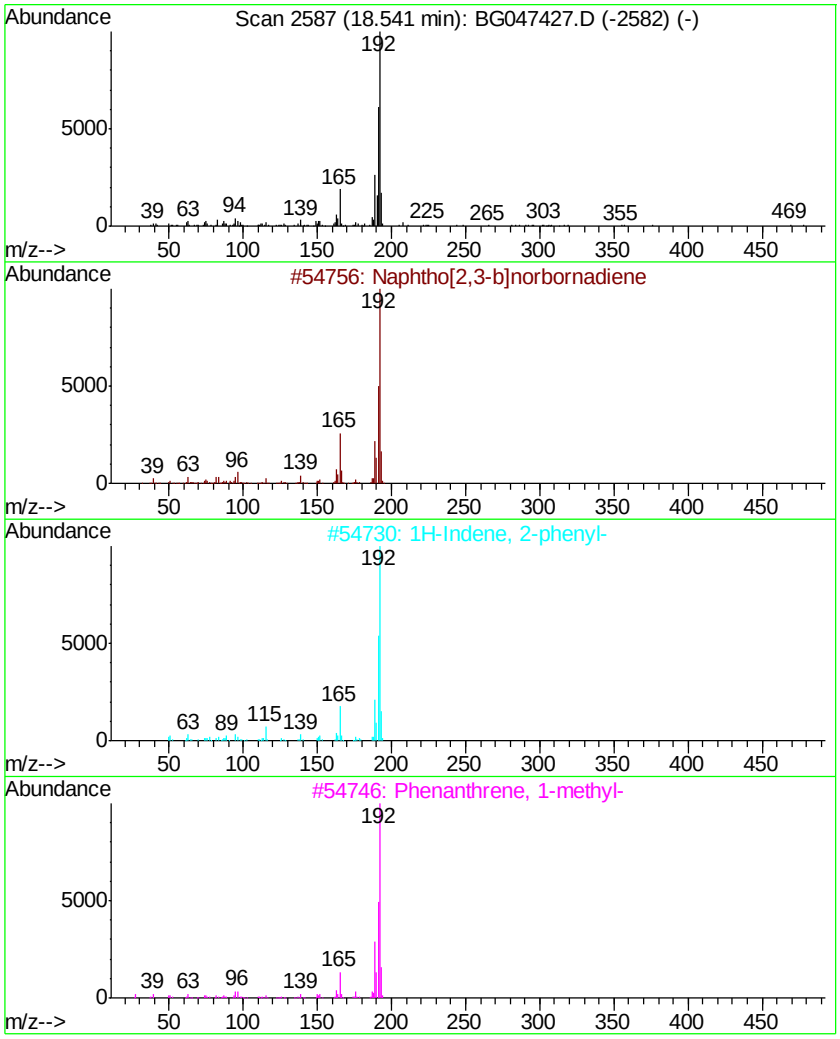
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

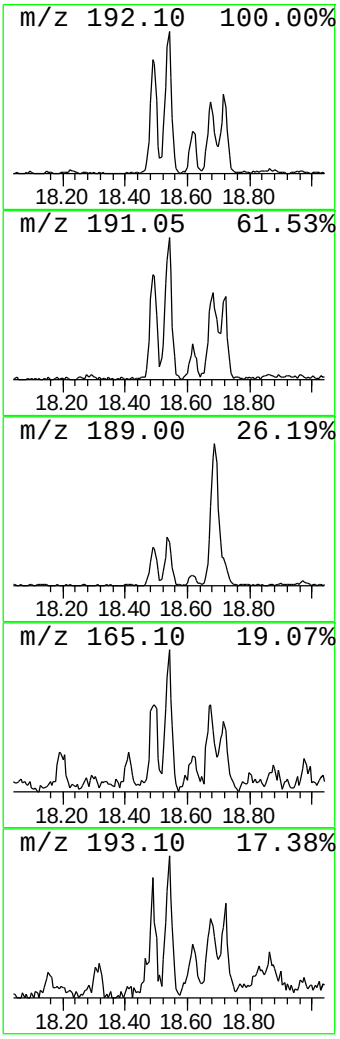
****

Peak Number 3 Naphtho[2,3-b]norbornadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	7.23 ng/ul	241442	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

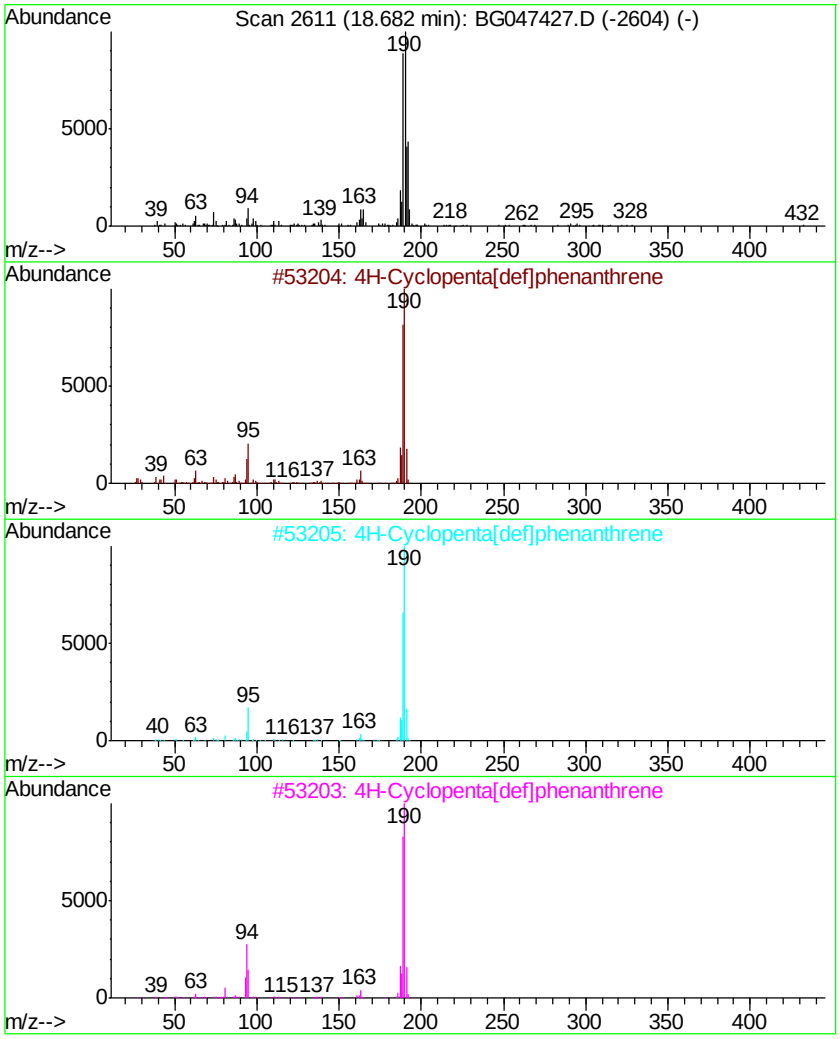
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

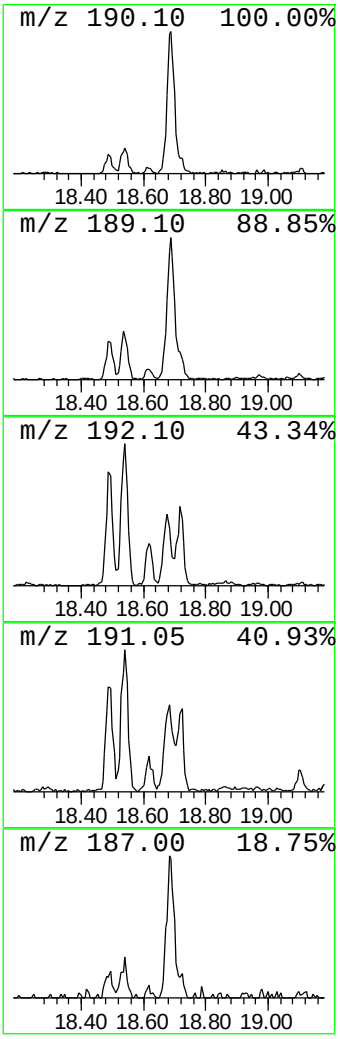
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	10.41 ng/ul	347843	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

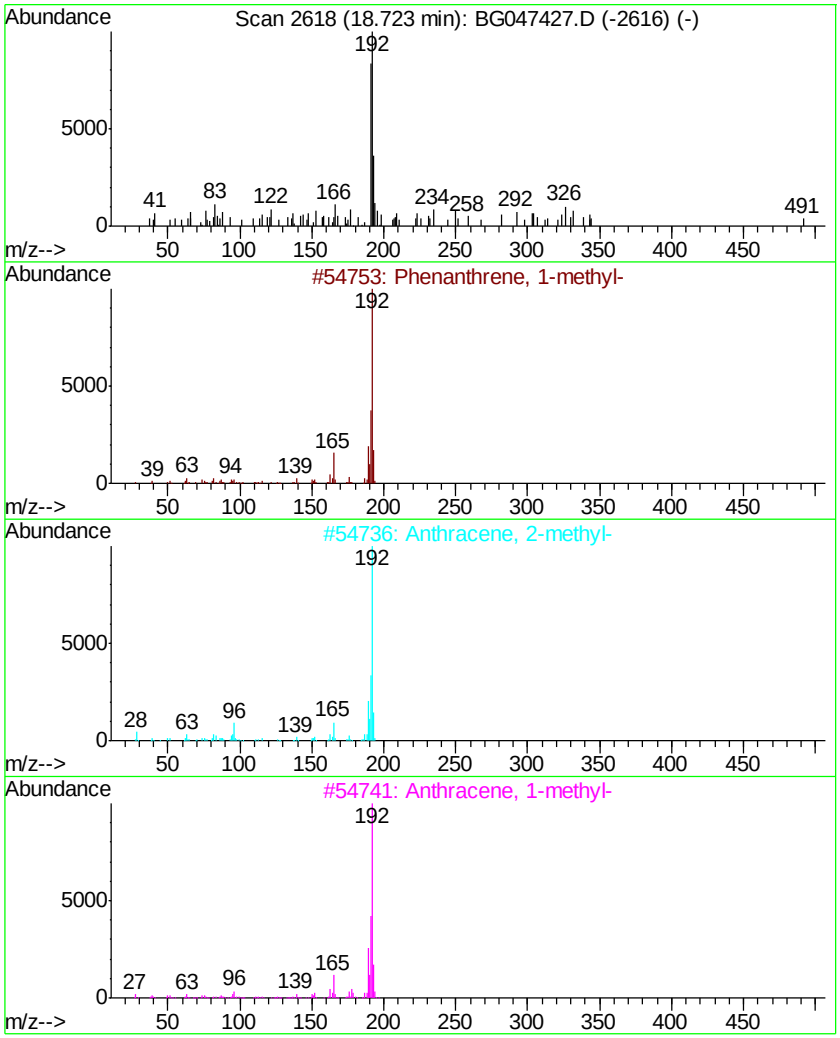
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

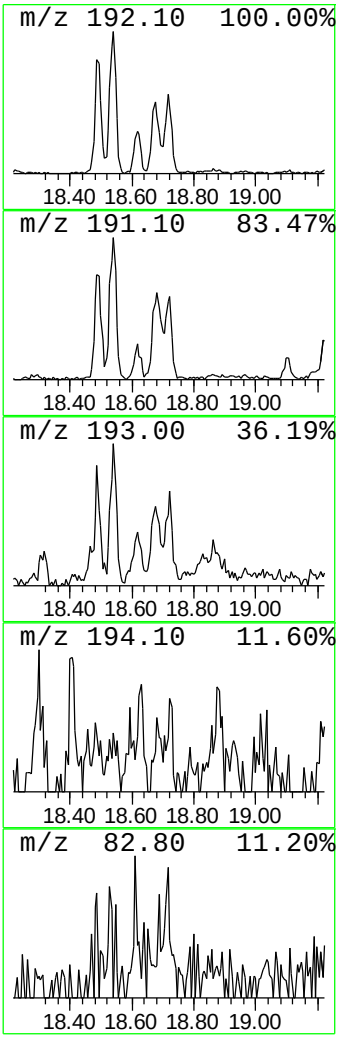
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.24 ng/ul	74971	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	59
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	59





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Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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

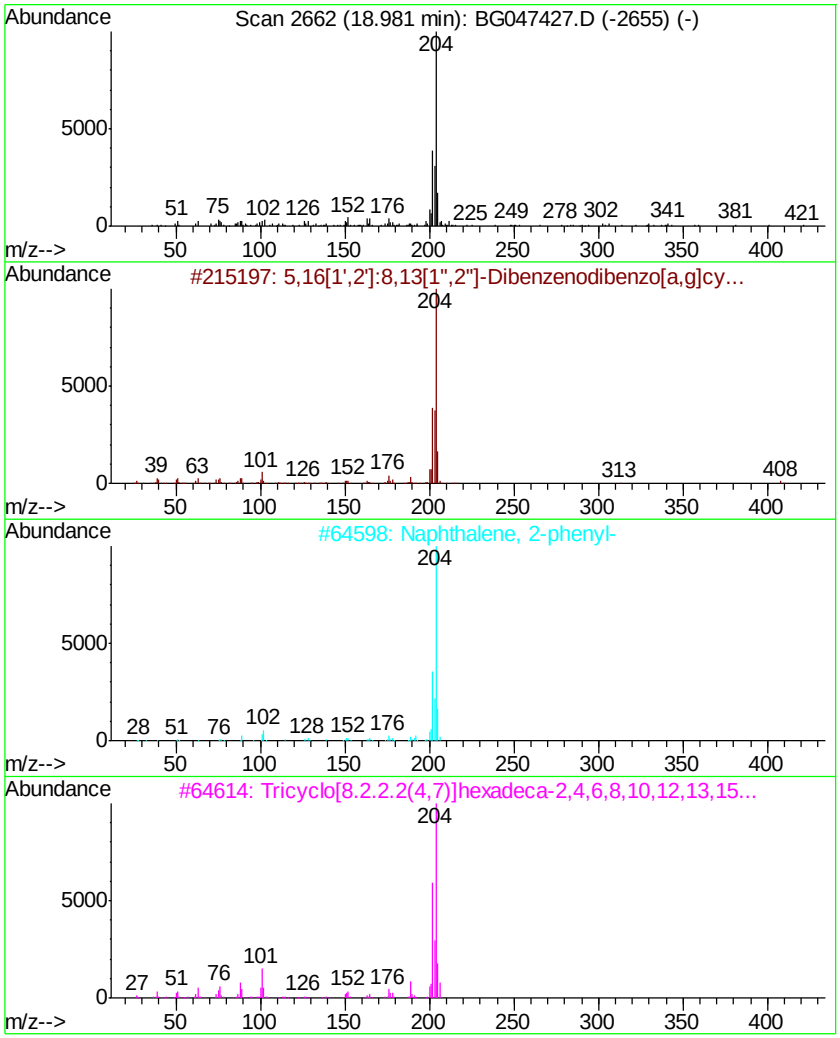
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

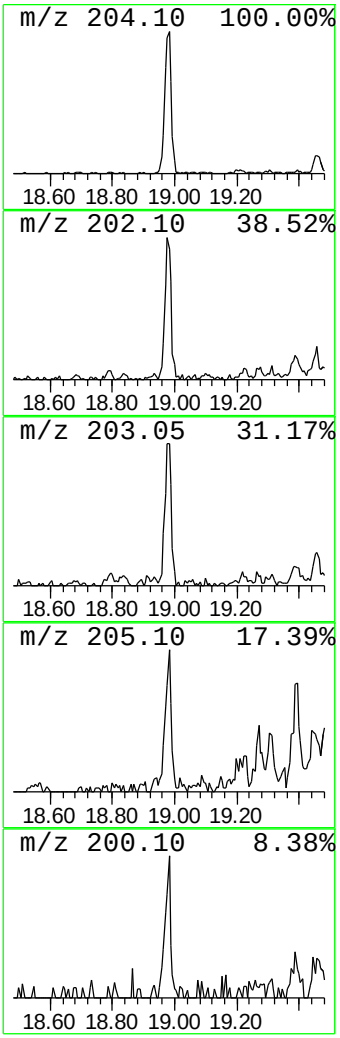
****

Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	4.99 ng/ul	166816	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





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Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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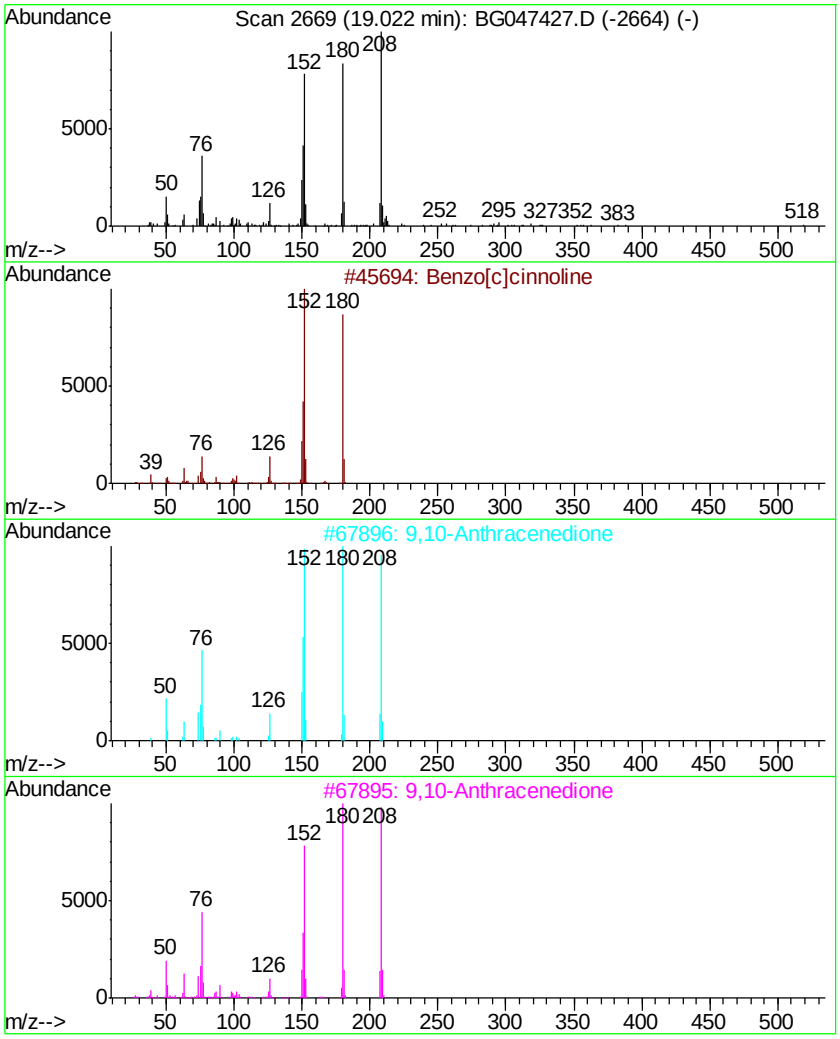
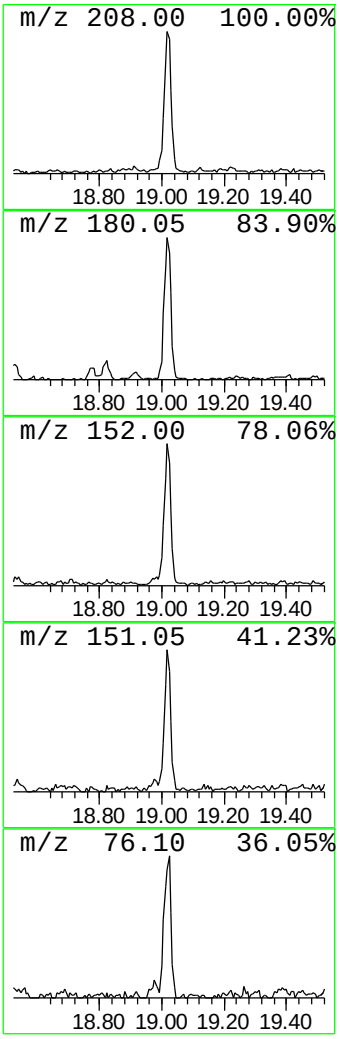
Peak Number 7 Benzo[c]cinnoline Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	8.91 ng/ul	297635	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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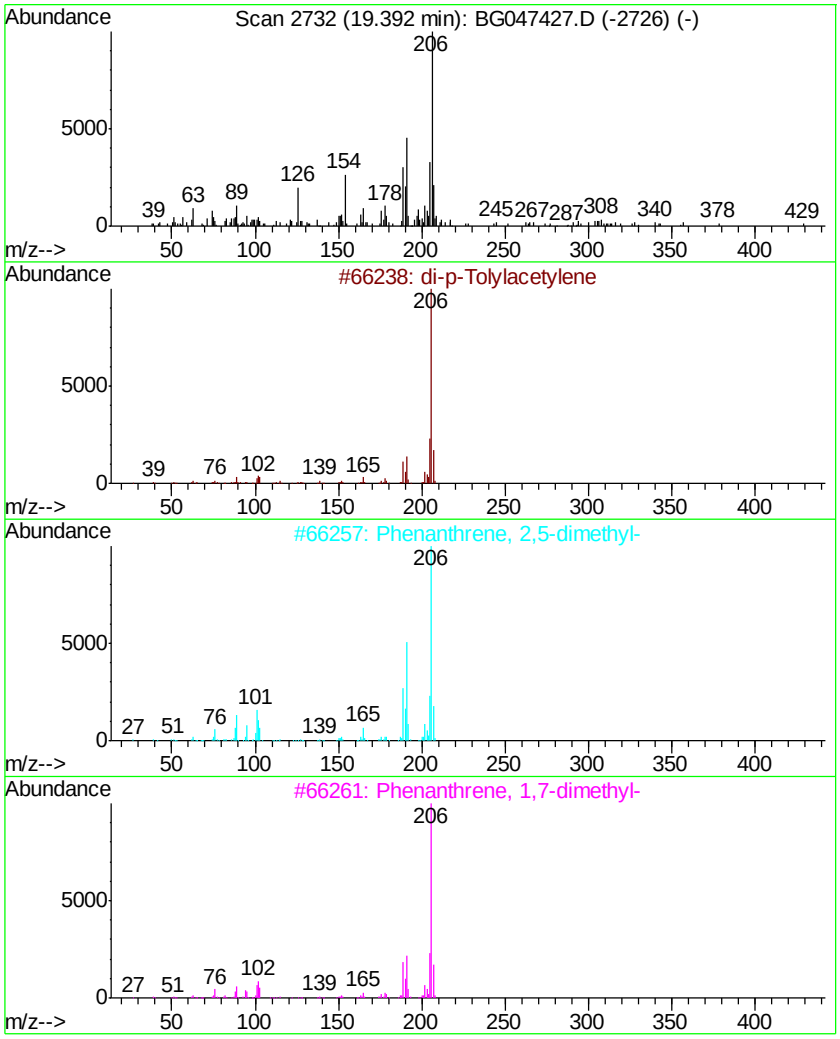
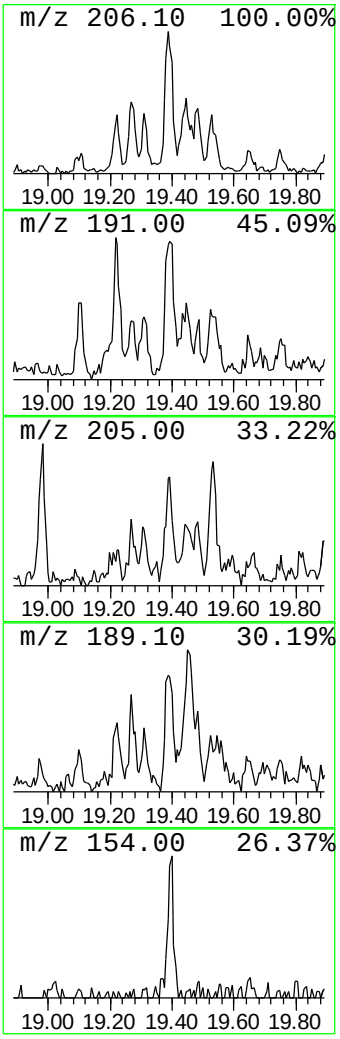
Peak Number 8 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.02 ng/ul	134214	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	74
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	70





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Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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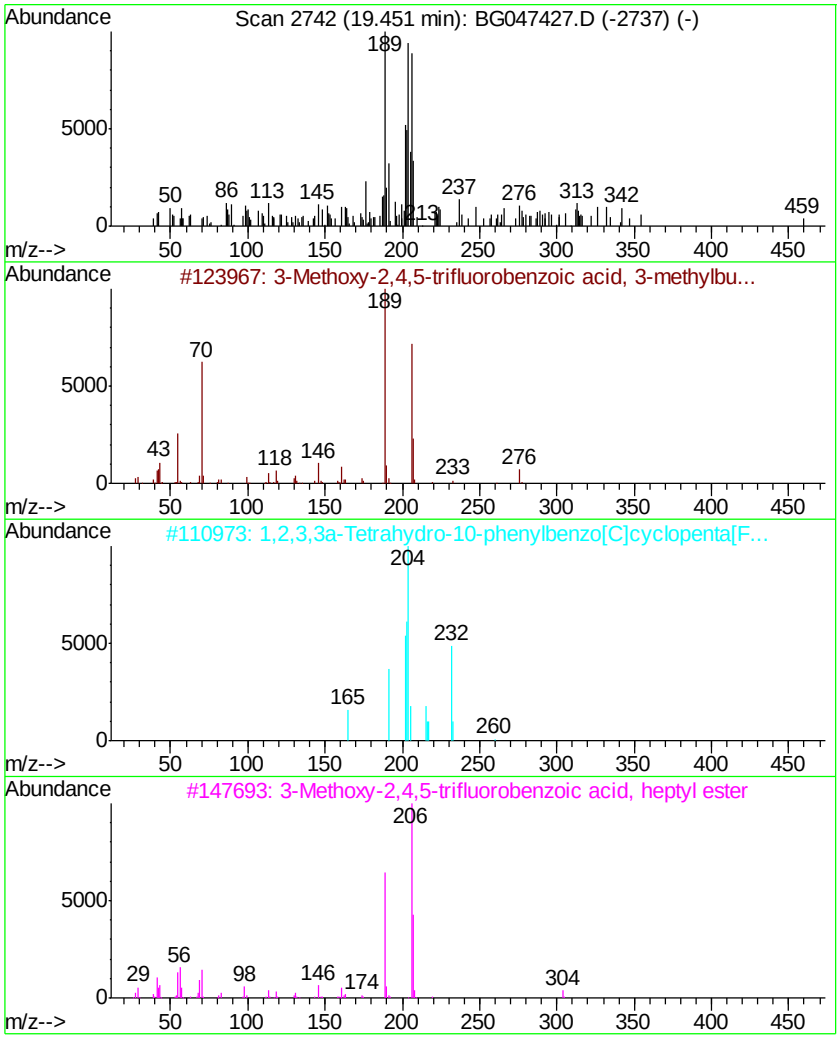
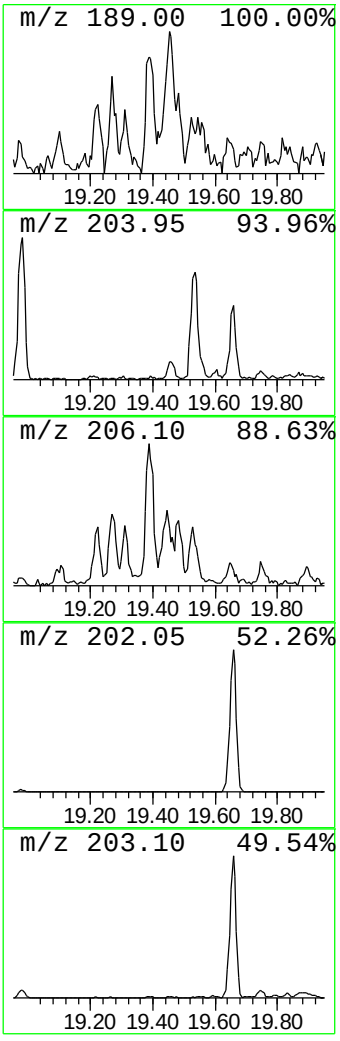
Peak Number 9 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	2.20 ng/ul	73563	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-2,4,5-trifluorobenzoic...	276	C13H15F3O3	1000360-56-9	38
2	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	27
3	3-Methoxy-2,4,5-trifluorobenzoic...	304	C15H19F3O3	1000338-76-4	27
4	Propenone, 1-(4-fluorophenyl)-3-...	312	C17H13FN2OS	1000263-71-8	25
5	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	18





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Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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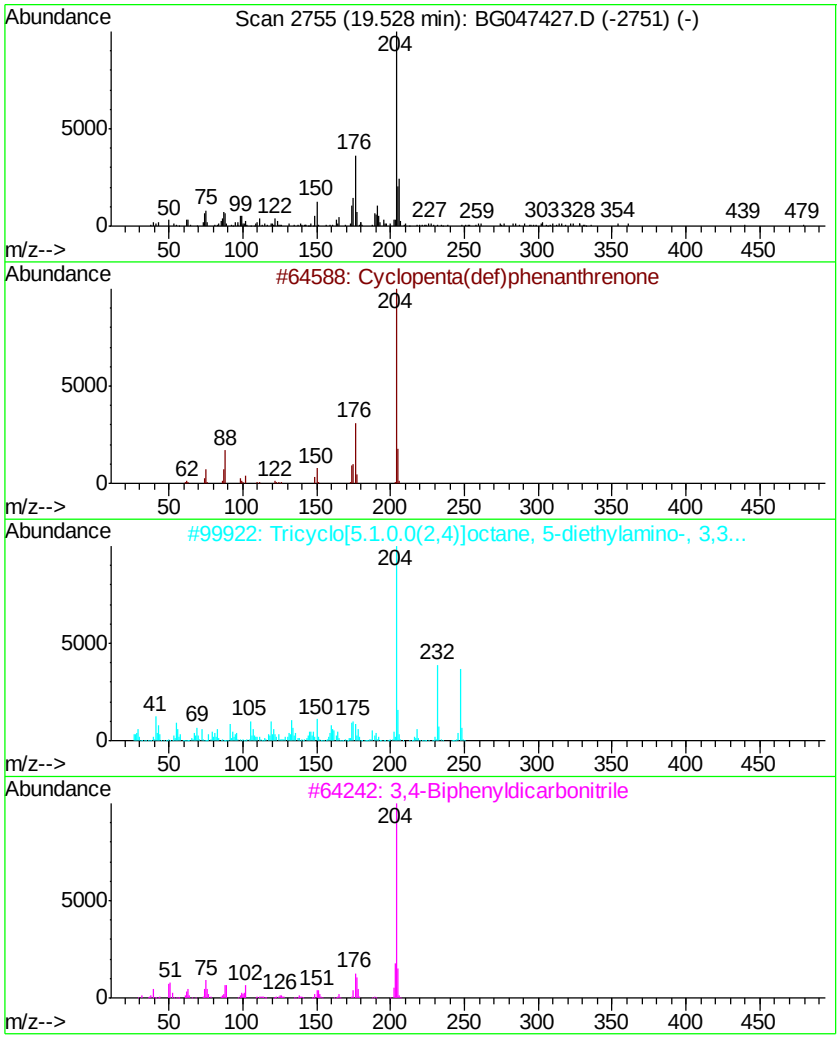
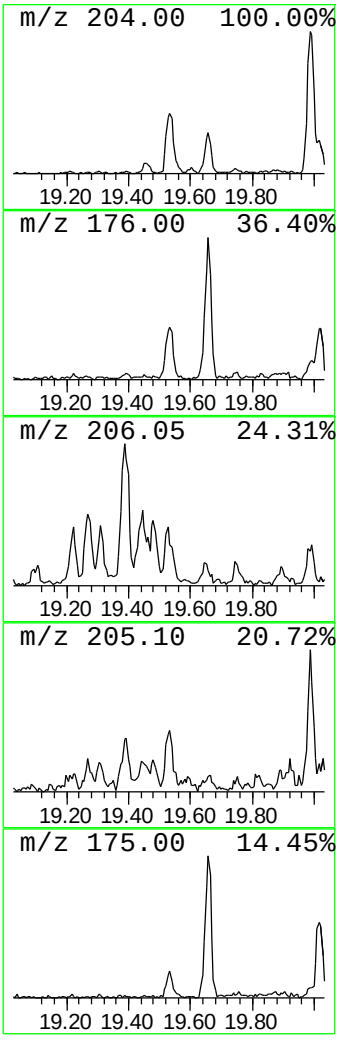
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	4.44 ng/ul	148512	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4	1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	59
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59





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Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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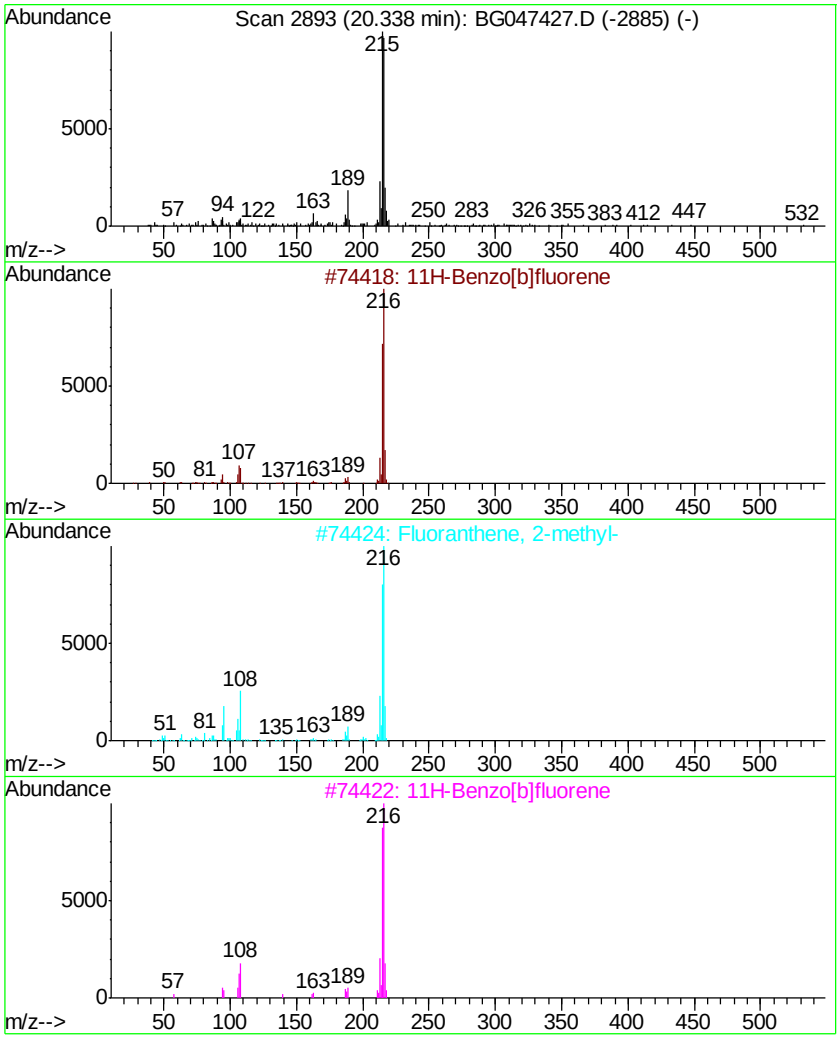
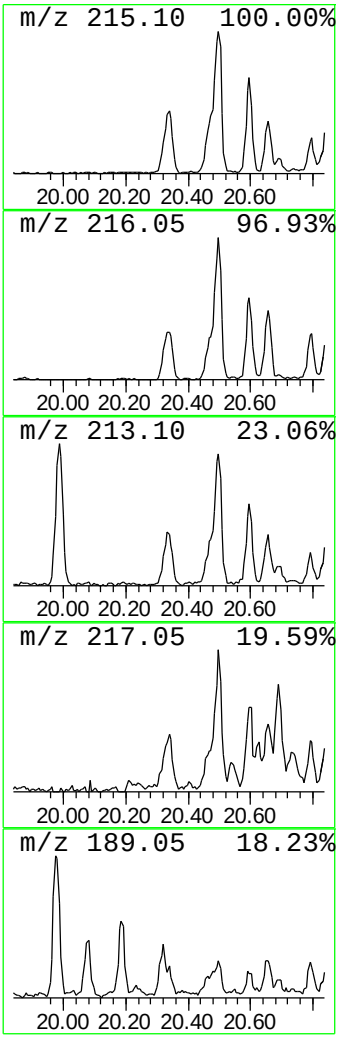
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.59 ng/ul	365557	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





Library Search Compound Report

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Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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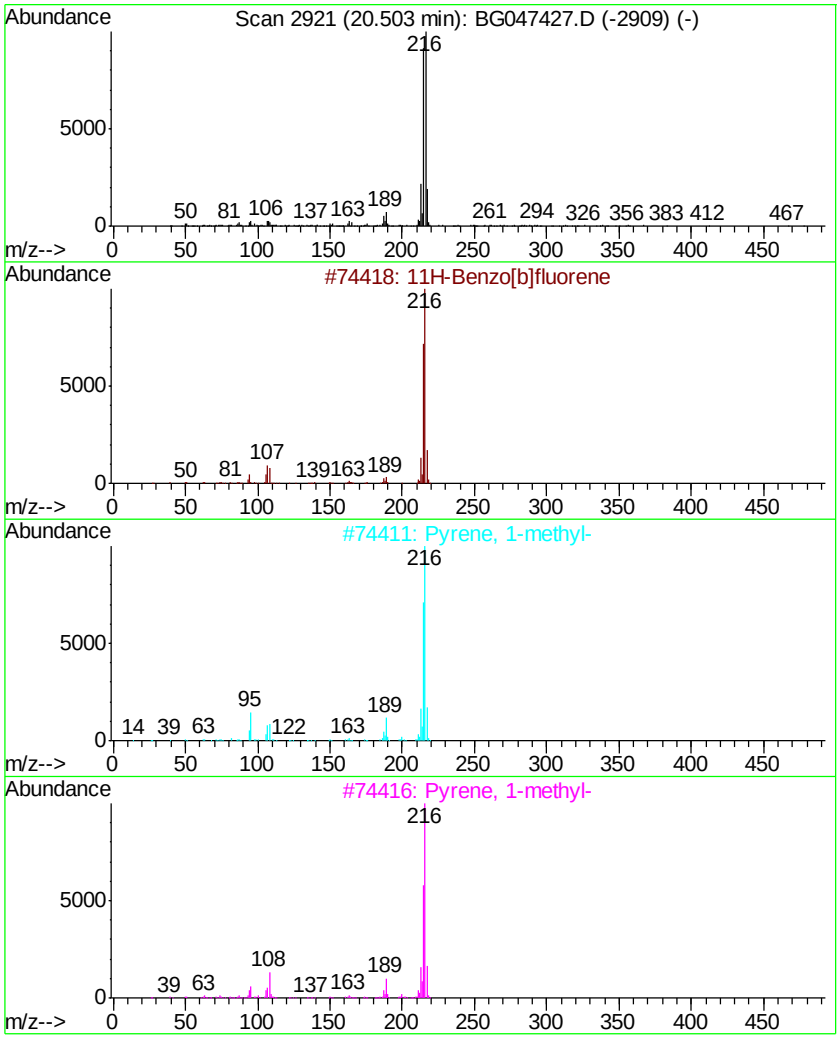
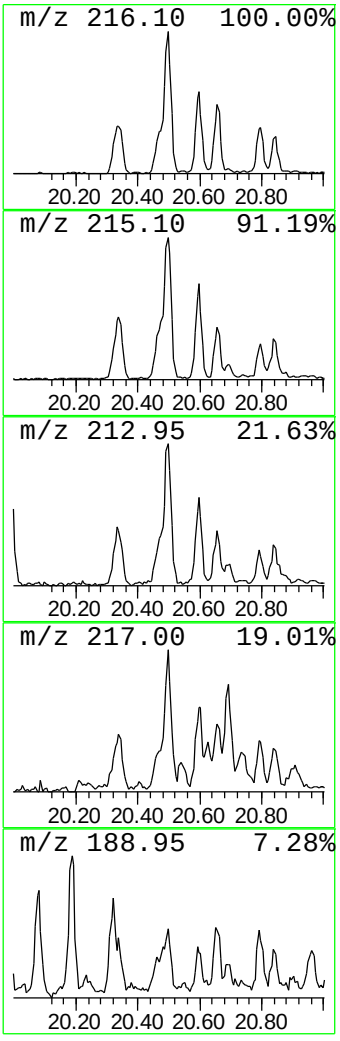
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	4.46 ng/ul	628118	Chrysene-d12	21.91

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





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Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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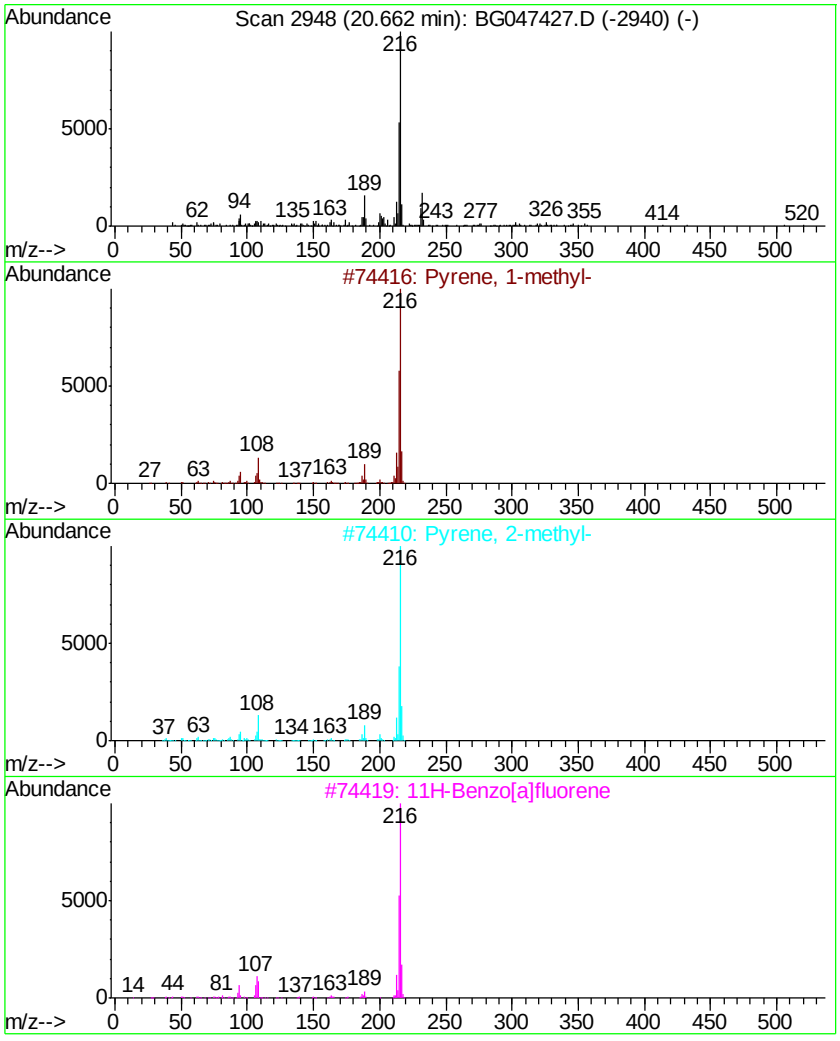
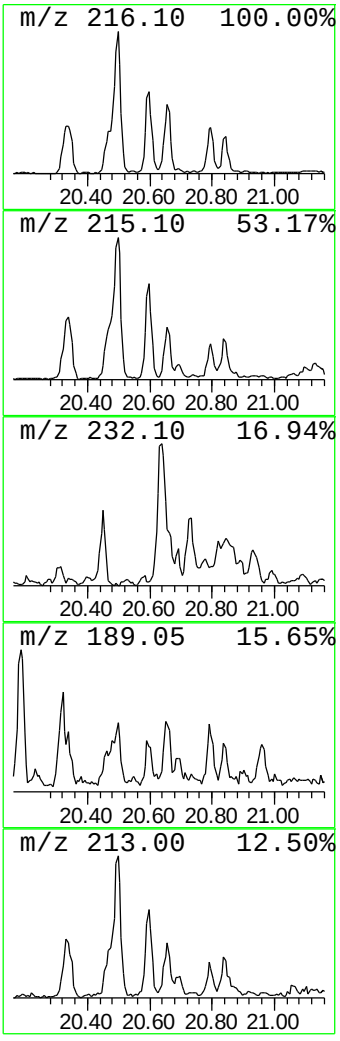
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	2.18 ng/ul	306539	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
5	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	68





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Instrument : BNA_G
ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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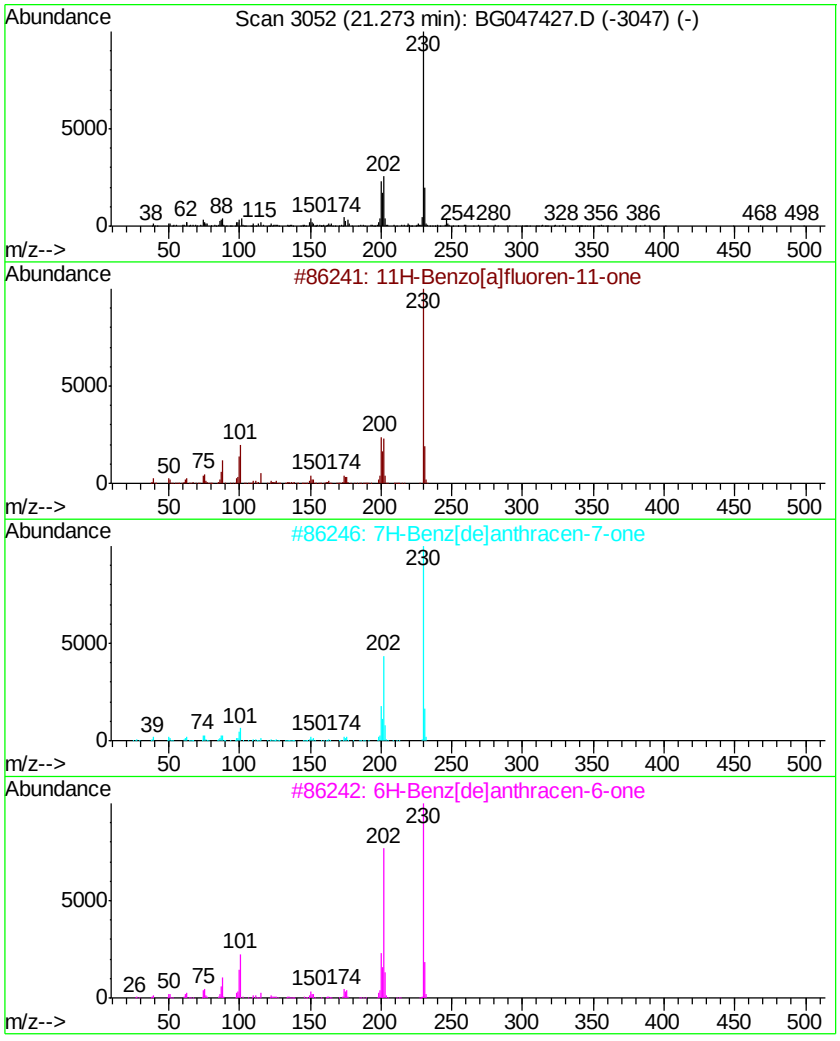
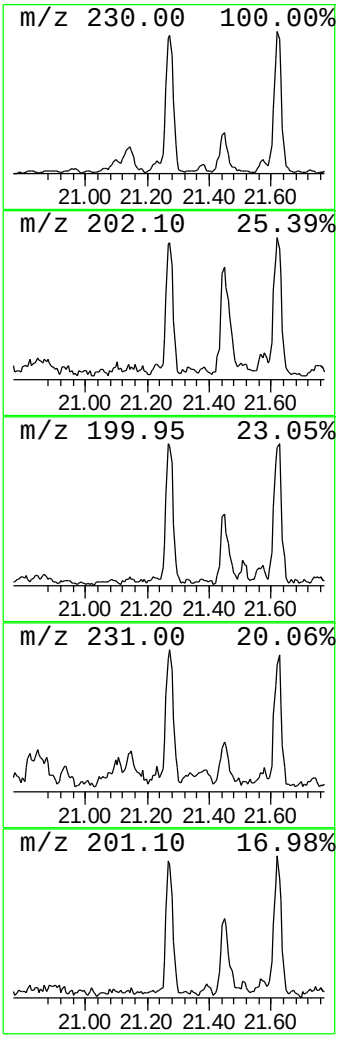
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.79 ng/ul	392596	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	Benzo(a)phenazine	230	C16H10N2	000225-61-6	47





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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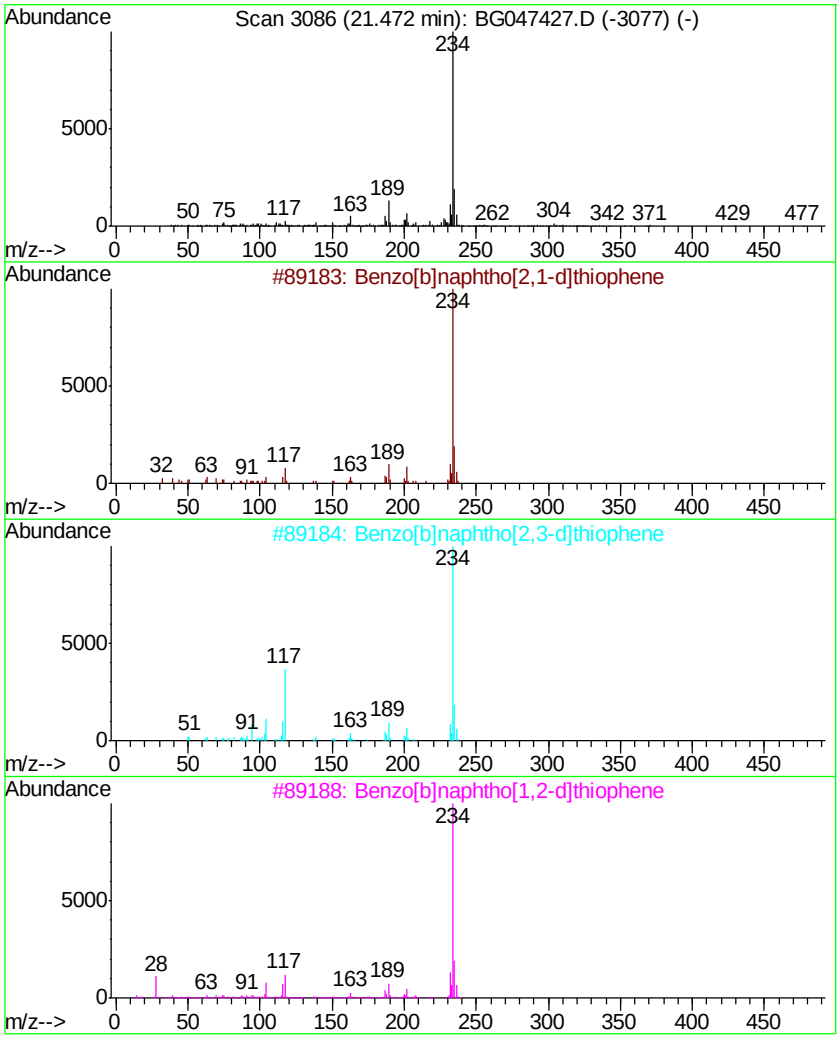
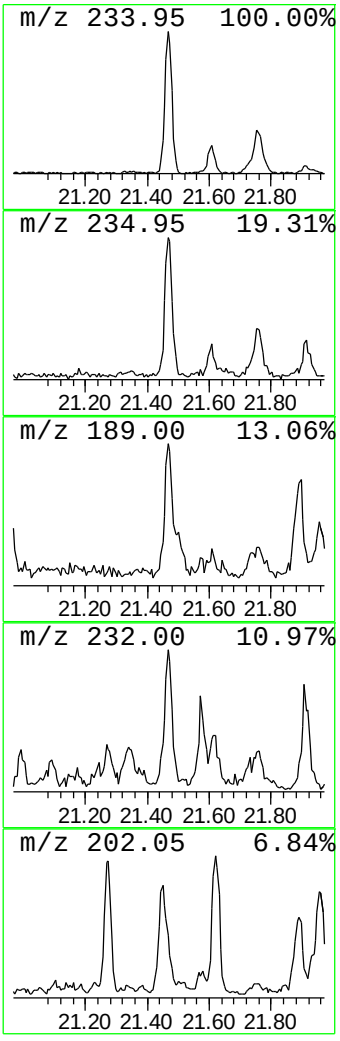
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	3.77 ng/ul	531975	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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ClientSampleId : C0B17

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Quant Title : SVOA CALIBRATION

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

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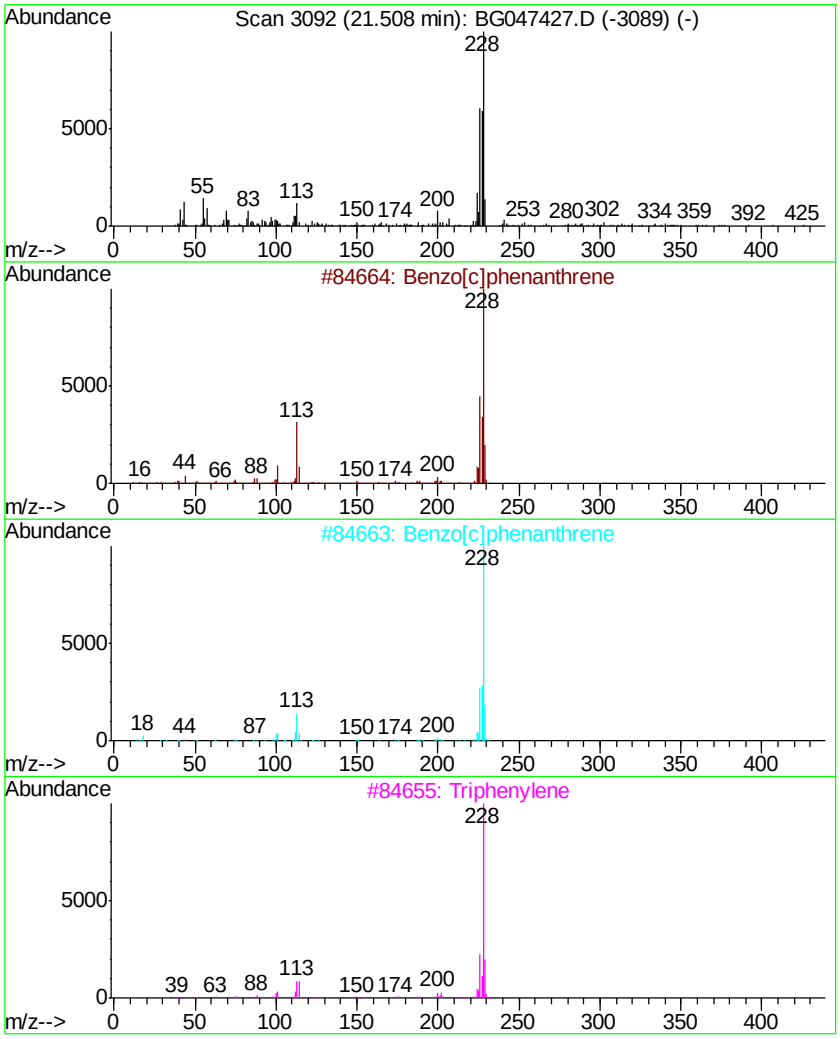
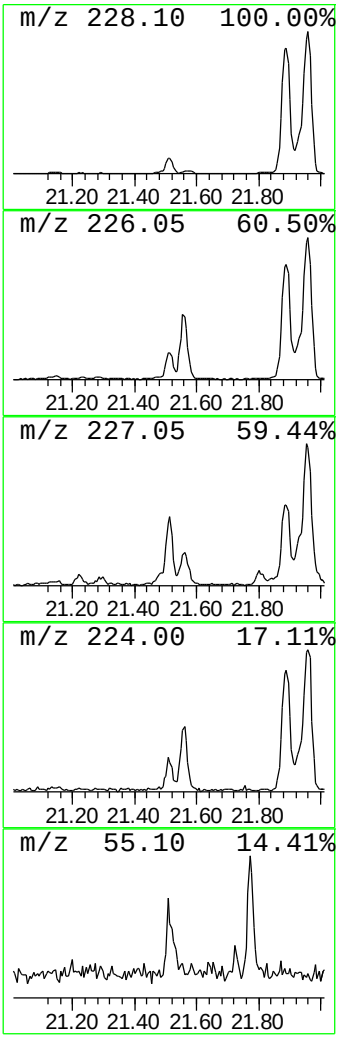
Peak Number 16 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.59 ng/ul	365025	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Triphenylene	228	C18H12	000217-59-4	49
4	Triphenylene	228	C18H12	000217-59-4	46
5	Benz[a]anthracene	228	C18H12	000056-55-3	46





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Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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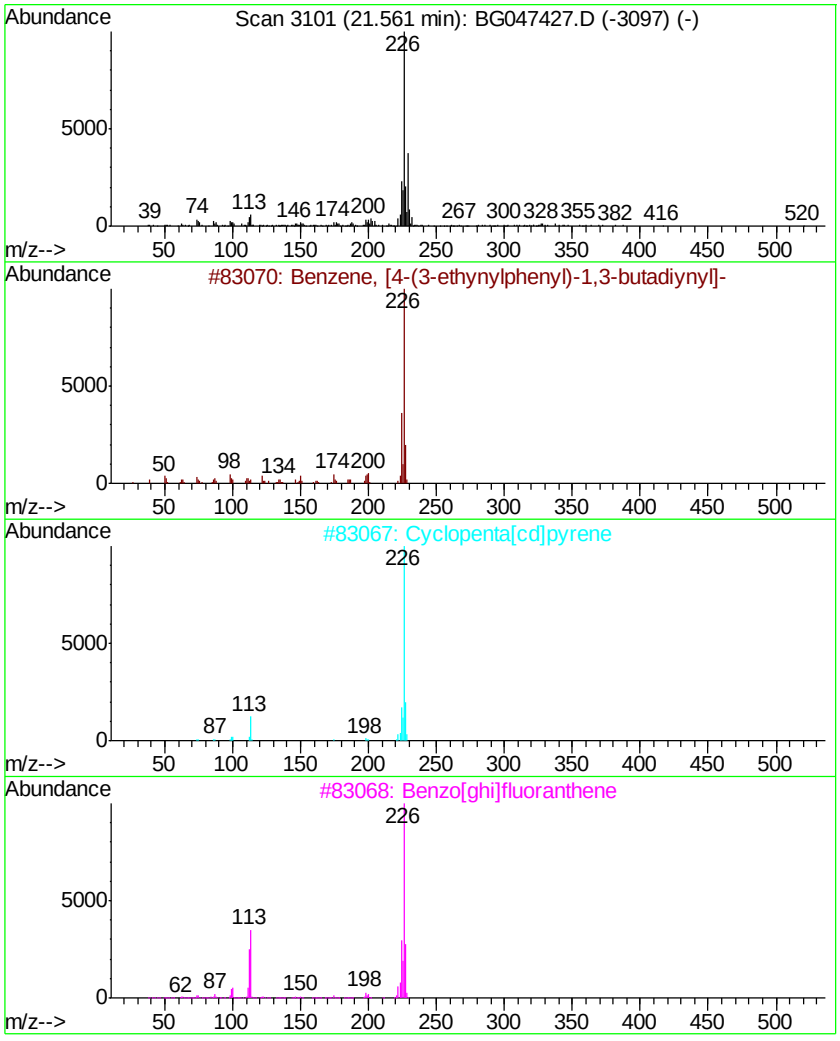
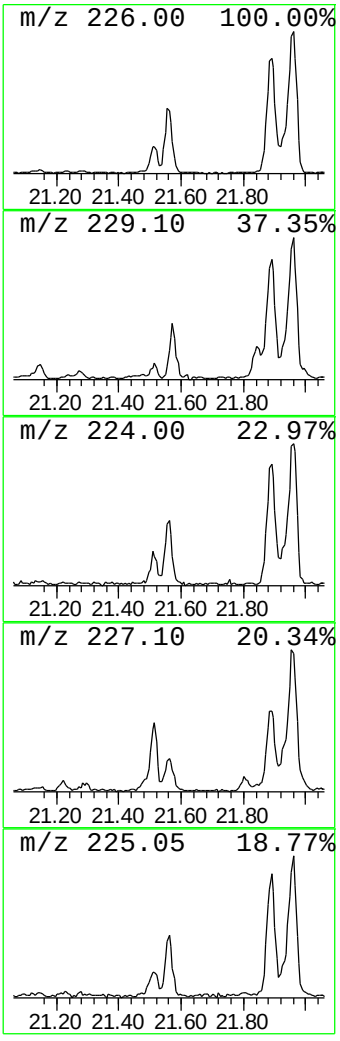
Peak Number 17 Benzene, [4-(3-ethynylpheny... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.67 ng/ul	375770	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	50
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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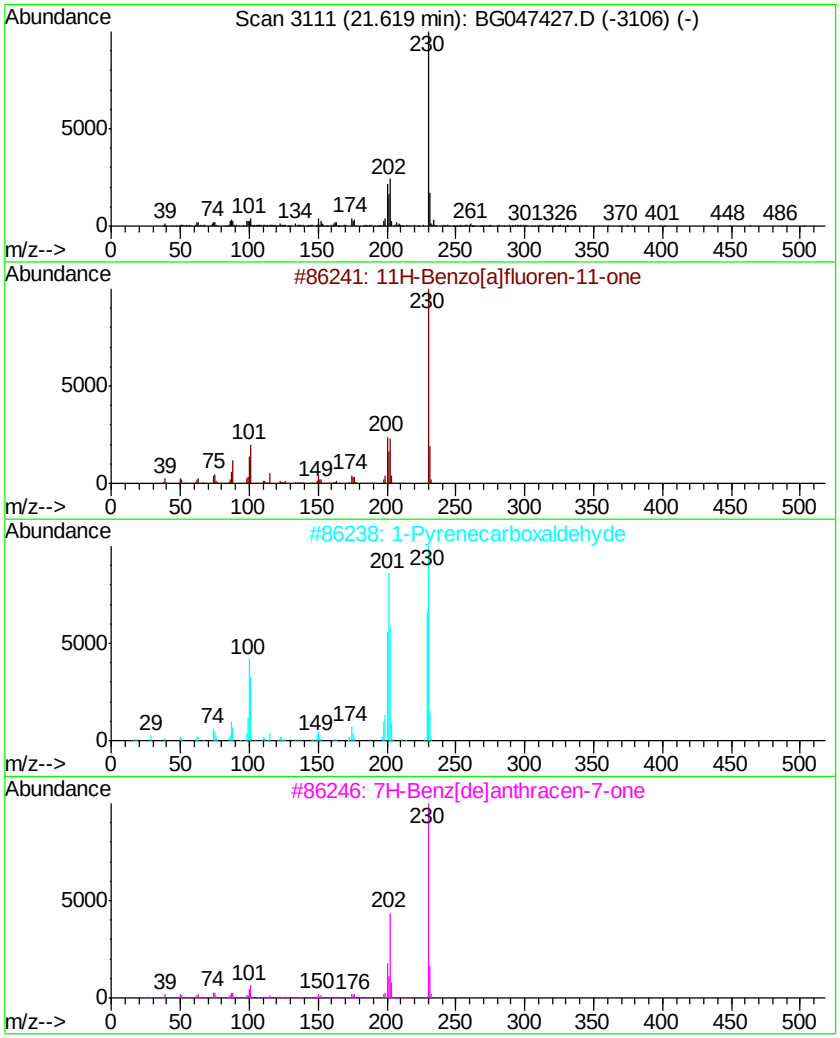
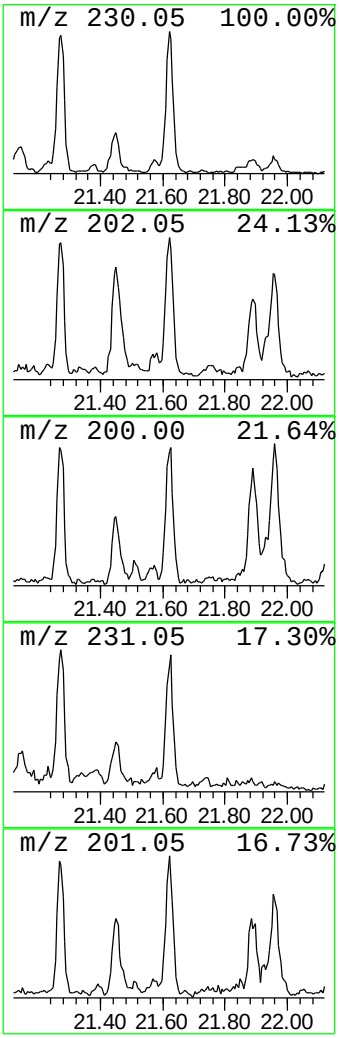
Peak Number 18 1-Pyrenecarboxaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	3.61 ng/ul	508228	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	90
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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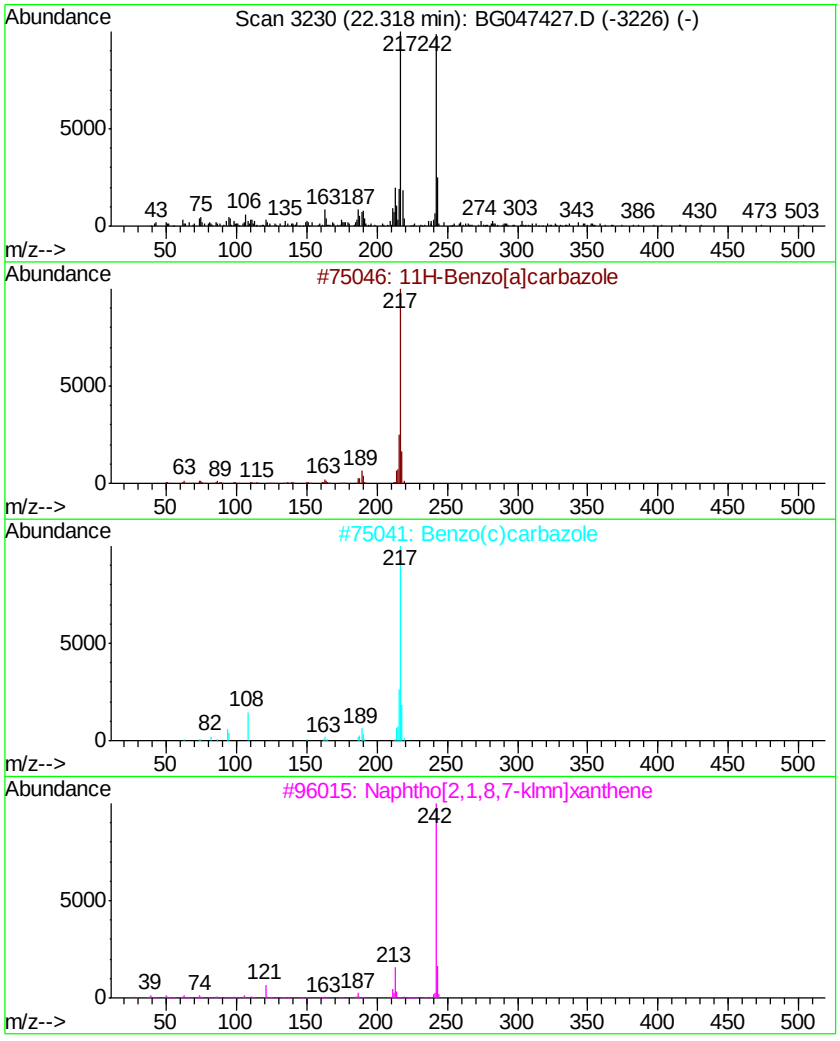
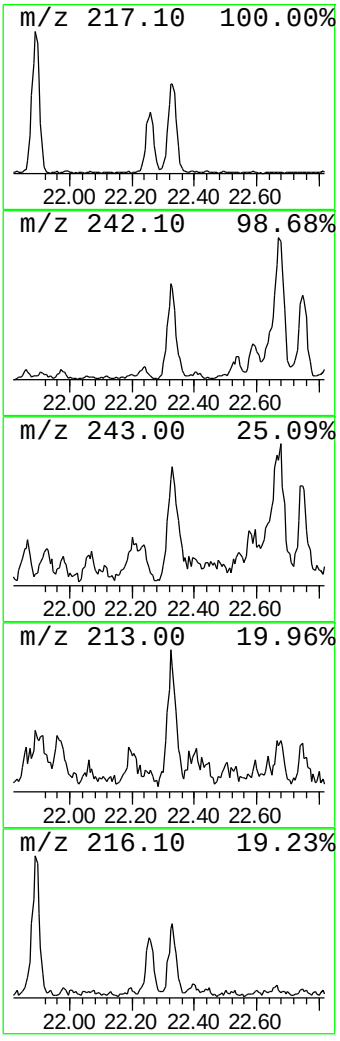
Peak Number 19 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	2.17 ng/ul	305882	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	46
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	46
3	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	43
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	42
5	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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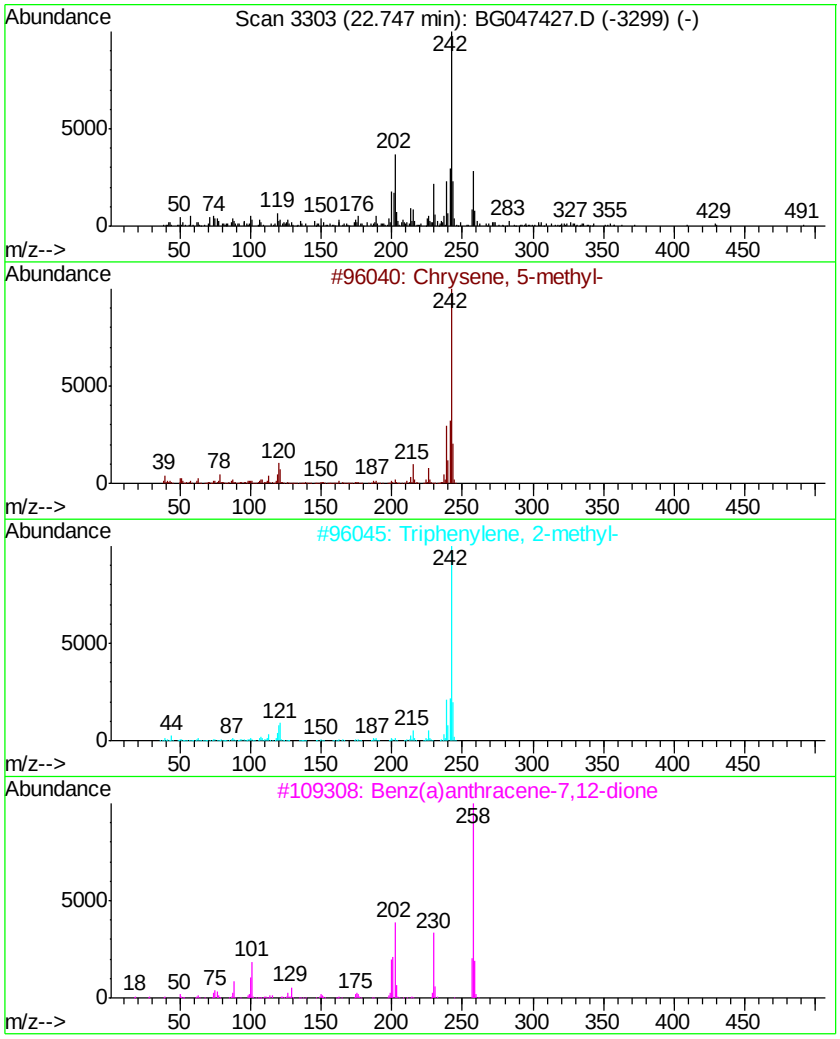
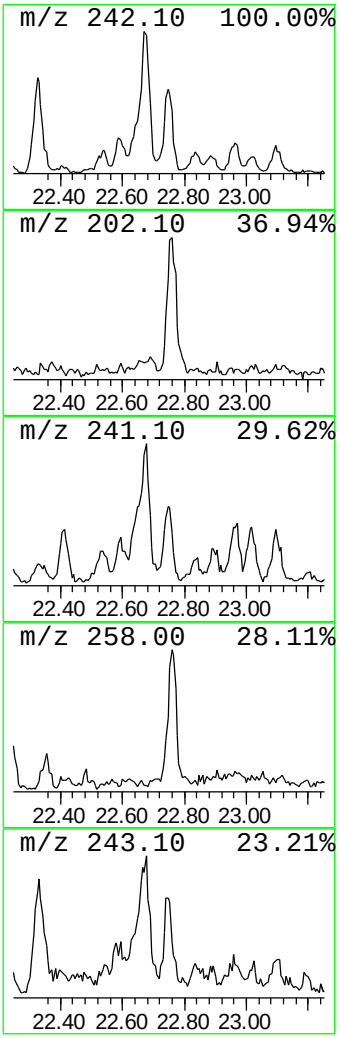
Peak Number 20 Chrysene, 5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	2.36 ng/ul	333227	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	60
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	60
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	52
4	2-Methylchrysene	242	C19H14	003351-32-4	46
5	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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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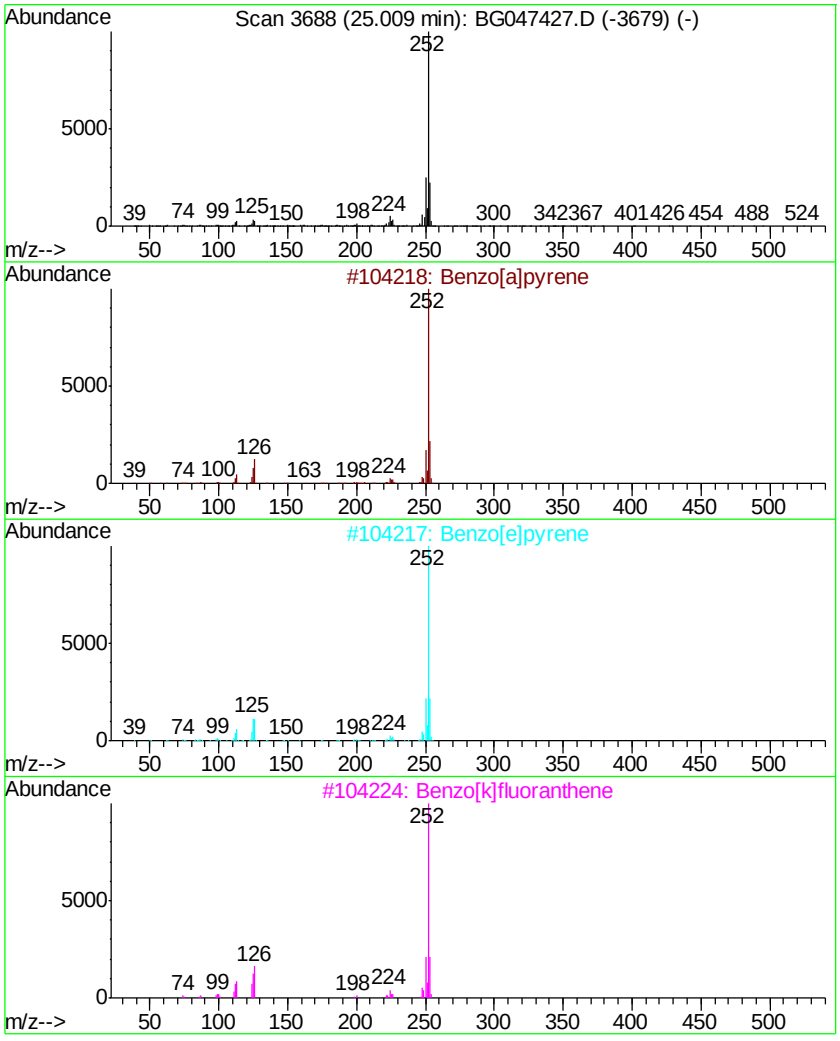
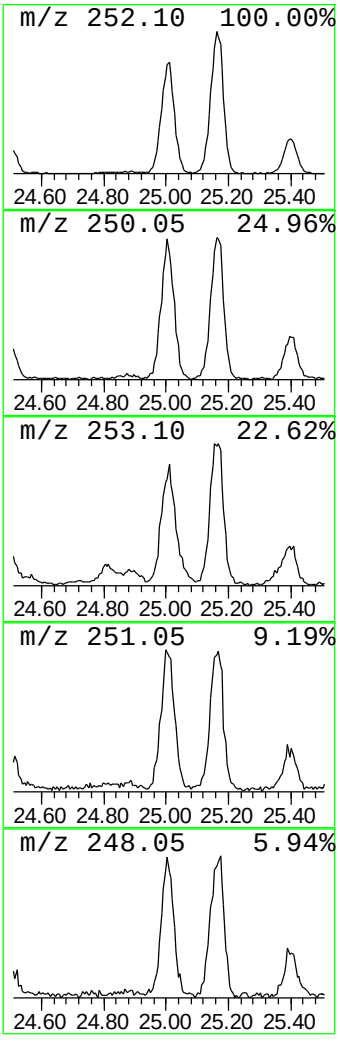
Peak Number 22 Benzo[a]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	37.97 ng/ul	1214530	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047427.D
Acq On : 24 Nov 2020 1:05
Operator : CG/JU
Sample : L4749-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B17

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
Methacrylamide	4.15	3.2	ng/ul	51607	1	8.28	318670	20.0
Phenanthrene, 1-m...	18.49	5.0	ng/ul	168406	4	17.62	668294	20.0
Naphtho[2,3-b]nor...	18.54	7.2	ng/ul	241442	4	17.62	668294	20.0
4H-Cyclopenta[def...	18.68	10.4	ng/ul	347843	4	17.62	668294	20.0
Anthracene, 2-met...	18.72	2.2	ng/ul	74971	4	17.62	668294	20.0
5,16[1',2']:8,13[...	18.98	5.0	ng/ul	166816	4	17.62	668294	20.0
Benzo[c]cinnoline	19.02	8.9	ng/ul	297635	4	17.62	668294	20.0
di-p-Tolylacetylene	19.39	4.0	ng/ul	134214	4	17.62	668294	20.0
unknown-01	19.45	2.2	ng/ul	73563	4	17.62	668294	20.0
Cyclopenta(def)ph...	19.53	4.4	ng/ul	148512	4	17.62	668294	20.0
11H-Benzo[b]fluorene	20.34	2.6	ng/ul	365557	5	21.91	2818610	20.0
Pyrene, 1-methyl-	20.50	4.5	ng/ul	628118	5	21.91	2818610	20.0
Pyrene, 2-methyl-	20.66	2.2	ng/ul	306539	5	21.91	2818610	20.0
11H-Benzo[a]fluor...	21.27	2.8	ng/ul	392596	5	21.91	2818610	20.0
Benzo[b]naphtho[2...	21.47	3.8	ng/ul	531975	5	21.91	2818610	20.0
unknown-02	21.51	2.6	ng/ul	365025	5	21.91	2818610	20.0
Benzene, [4-(3-et...	21.56	2.7	ng/ul	375770	5	21.91	2818610	20.0
1-Pyrenecarboxald...	21.62	3.6	ng/ul	508228	5	21.91	2818610	20.0
unknown-03	22.32	2.2	ng/ul	305882	5	21.91	2818610	20.0
Chrysene, 5-methyl-	22.75	2.4	ng/ul	333227	5	21.91	2818610	20.0
Benzo[a]pyrene	25.01	38.0	ng/ul	1214530	6	25.32	639793	20.0