LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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-BG101520MA.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	7.223	655	661	670	rBV	135800	253409	1.13%	0.366%
2	7.394	683	690	700	rBV	110413	184609	0.83%	0.267%
3	7.599	719	725	731	rBV	140364	244416	1.09%	0.353%
4	8.069	799	805	813	rBV	225544	385159	1.72%	0.557%
5	8.769	918	924	932	rBV2	153141	264320	1.18%	0.382%
6	8.892	940	945	954	rVB3	12758	24585	0.11%	0.036%
7	9.233	996	1003	1010	rBV	146242	258625	1.16%	0.374%
8	9.955	1119	1126	1133	rBV	134525	234031	1.05%	0.338%
9	10.496	1209	1218	1226	rBV	189670	340999	1.53%	0.493%
10	10.884	1275	1284	1290	rBV	301515	551417	2.47%	0.797%
11	10.931	1290	1292	1298	rVB	22002	27633	0.12%	0.040%
12	11.013	1298	1306	1315	rBV2	60311	124680	0.56%	0.180%
13	12.535	1560	1565	1570	rVB3	14182	25546	0.11%	0.037%
14	12.752	1597	1602	1609	rVB	19552	30153	0.13%	0.044%
15	13.863	1786	1791	1800	rBV7	11685	27693	0.12%	0.040%
16	14.021	1811	1818	1823	rBV5	24190	47354	0.21%	0.068%
17	14.098	1823	1831	1835	rVV	412712	589065	2.64%	0.852%
18	14.145	1835	1839	1847	rVB	132626	191890	0.86%	0.277%
19	14.391	1875	1881	1892	rVB	387785	630368	2.82%	0.911%
20	14.697	1924	1933	1939	rBV2	498574	810670	3.63%	1.172%
21	14.762	1939	1944	1951	rVB	222127	345962	1.55%	0.500%
22	14.885	1959	1965	1977	rBV2	91543	188026	0.84%	0.272%
23	15.091	1995	2000	2006	rVB	43426	74412	0.33%	0.108%
24	15.167	2006	2013	2018	rBV3	15983	25722	0.12%	0.037%
25	15.367	2042	2047	2050	rBV3	16044	22960	0.10%	0.033%
26	15.502	2060	2070	2079	rBV2	71706	159357	0.71%	0.230%
27	15.690	2096	2102	2107	rBV	545228	785331	3.51%	1.136%
28	15.743	2107	2111	2115	rVB	81907	108790	0.49%	0.157%
29	15.802	2115	2121	2125	rBV2	119820	171997	0.77%	0.249%
30	15.866	2130	2132	2136	rVV2	23873	30137	0.13%	0.044%
31	15.907	2136	2139	2145	rVV5	41825	67436	0.30%	0.098%
32	16.031	2157	2160	2170	rVB6	20634	48225	0.22%	0.070%
33	16.183	2178	2186	2190	rBV6	18364	42387	0.19%	0.061%
34	16.266	2194	2200	2207	rVB6	37052	82098	0.37%	0.119%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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-BG101520MA.M
Title : SVOA CALIBRATION

35	16.418	2220	2226	2231	rVB7	32861	70597	0.32%	0.102%
36	16.718	2271	2277	2279	rBV4	28858	55664	0.25%	0.080%
37	16.789	2285	2289	2293	rBV2	60421	86743	0.39%	0.125%
38	16.830	2293	2296	2303	rVB8	28641	43102	0.19%	0.062%
39	16.894	2305	2307	2311	rVB5	22593	25951	0.12%	0.038%
40	17.018	2324	2328	2332	rVB6	20524	26448	0.12%	0.038%
41	17.094	2336	2341	2350	rBV	119609	194712	0.87%	0.282%
42	17.194	2351	2358	2364	rBV5	61480	119703	0.54%	0.173%
43	17.259	2365	2369	2376	rVB	65424	110021	0.49%	0.159%
44	17.447	2393	2401	2404	rBV	574489	930869	4.17%	1.346%
45	17.488	2404	2408	2413	rVV	1983974	2898782	12.97%	4.191%
46	17.541	2413	2417	2421	rVV	510964	776260	3.47%	1.122%
47	17.576	2421	2423	2428	rVB	112994	143773	0.64%	0.208%
48	17.717	2444	2447	2449	rBV4	17549	23593	0.11%	0.034%
49	17.846	2465	2469	2474	rVB2	39075	48114	0.22%	0.070%
50	17.964	2485	2489	2494	rVB	50896	70815	0.32%	0.102%
51	18.022	2495	2499	2505	rBV	66618	103596	0.46%	0.150%
52	18.169	2520	2524	2528	rBV3	25764	38921	0.17%	0.056%
53	18.328	2545	2551	2555	rBV2	690922	1106900	4.95%	1.600%
54	18.369	2555	2558	2561	rVV	327027	475146	2.13%	0.687%
55	18.398	2561	2563	2568	rVV	237996	246797	1.10%	0.357%
56	18.451	2568	2572	2576	rVV2	40632	71417	0.32%	0.103%
57	18.516	2577	2583	2586	rVV2	381911	718909	3.22%	1.039%
58	18.551	2586	2589	2596	rVB	195692	296301	1.33%	0.428%
59	18.622	2598	2601	2605	rBV6	32075	42156	0.19%	0.061%
60	18.816	2629	2634	2637	rBV	211043	300231	1.34%	0.434%
61	18.851	2637	2640	2651	rVB	297108	476856	2.13%	0.689%
62	18.939	2651	2655	2658	rBV	52955	80633	0.36%	0.117%
63	19.057	2672	2675	2680	rBV	88809	108273	0.48%	0.157%
64	19.145	2688	2690	2694	rBV2	31716	36299	0.16%	0.052%
65	19.233	2700	2705	2710	rBV3	226736	408231	1.83%	0.590%
66	19.368	2724	2728	2735	rVB	209626	327552	1.47%	0.474%
67	19.497	2744	2750	2755	rVB	2846047	3964112	17.74%	5.732%
68	19.556	2756	2760	2763	rBV2	71542	95512	0.43%	0.138%
69	19.591	2763	2766	2770	rBV	261183	350498	1.57%	0.507%
70	19.691	2779	2783	2787	rBV5	80328	115606	0.52%	0.167%
71	19.832	2801	2807	2808	rBV3	934070	1318917	5.90%	1.907%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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-BG101520MA.M
Title : SVOA CALIBRATION

72	19.861	2808	2812	2818	rVB	4071912	5783347	25.88%	8.362%
73	20.191	2861	2868	2873	rBV3	165469	402782	1.80%	0.582%
74	20.337	2889	2893	2898	rVB4	313519	549758	2.46%	0.795%
75	20.502	2918	2921	2924	rVB	173913	194659	0.87%	0.281%
76	20.643	2942	2945	2948	rBV	182743	236256	1.06%	0.342%
77	20.690	2949	2953	2956	rVB	226466	298968	1.34%	0.432%
78	21.101	3017	3023	3030	rVB3	217613	514336	2.30%	0.744%
79	21.348	3061	3065	3068	rBV3	315652	536610	2.40%	0.776%
80	21.383	3068	3071	3077	rVB2	500451	808508	3.62%	1.169%
81	21.442	3077	3081	3084	rBV	172996	269722	1.21%	0.390%
82	21.601	3103	3108	3112	rVB	770580	1066717	4.77%	1.542%
83	21.706	3120	3126	3132	rBV3	881221	2159629	9.66%	3.123%
84	21.765	3132	3136	3149	rVB	712963	1339139	5.99%	1.936%
85	21.877	3152	3155	3157	rBV3	140960	182059	0.81%	0.263%
86	21.912	3157	3161	3169	rVB4	462362	919772	4.12%	1.330%
87	22.159	3200	3203	3212	rVB4	270822	515230	2.31%	0.745%
88	22.353	3227	3236	3244	rVB	12113502	22348983	100.00%	32.315%
89	22.523	3262	3265	3269	rBV3	172519	279564	1.25%	0.404%
90	22.793	3305	3311	3322	rVB	846417	1937600	8.67%	2.802%
91	22.993	3343	3345	3352	rVB2	256305	379792	1.70%	0.549%
92	23.945	3501	3507	3514	rBV2	377290	1078267	4.82%	1.559%
93	24.674	3627	3631	3638	rVB	290472	615008	2.75%	0.889%
94	24.820	3651	3656	3665	rVB	425892	1031103	4.61%	1.491%
95	24.979	3677	3683	3691	rVB3	290855	744098	3.33%	1.076%
96	29.844	4499	4511	4525	rVB3	276200	1260806	5.64%	1.823%

Sum of corrected areas: 69160185

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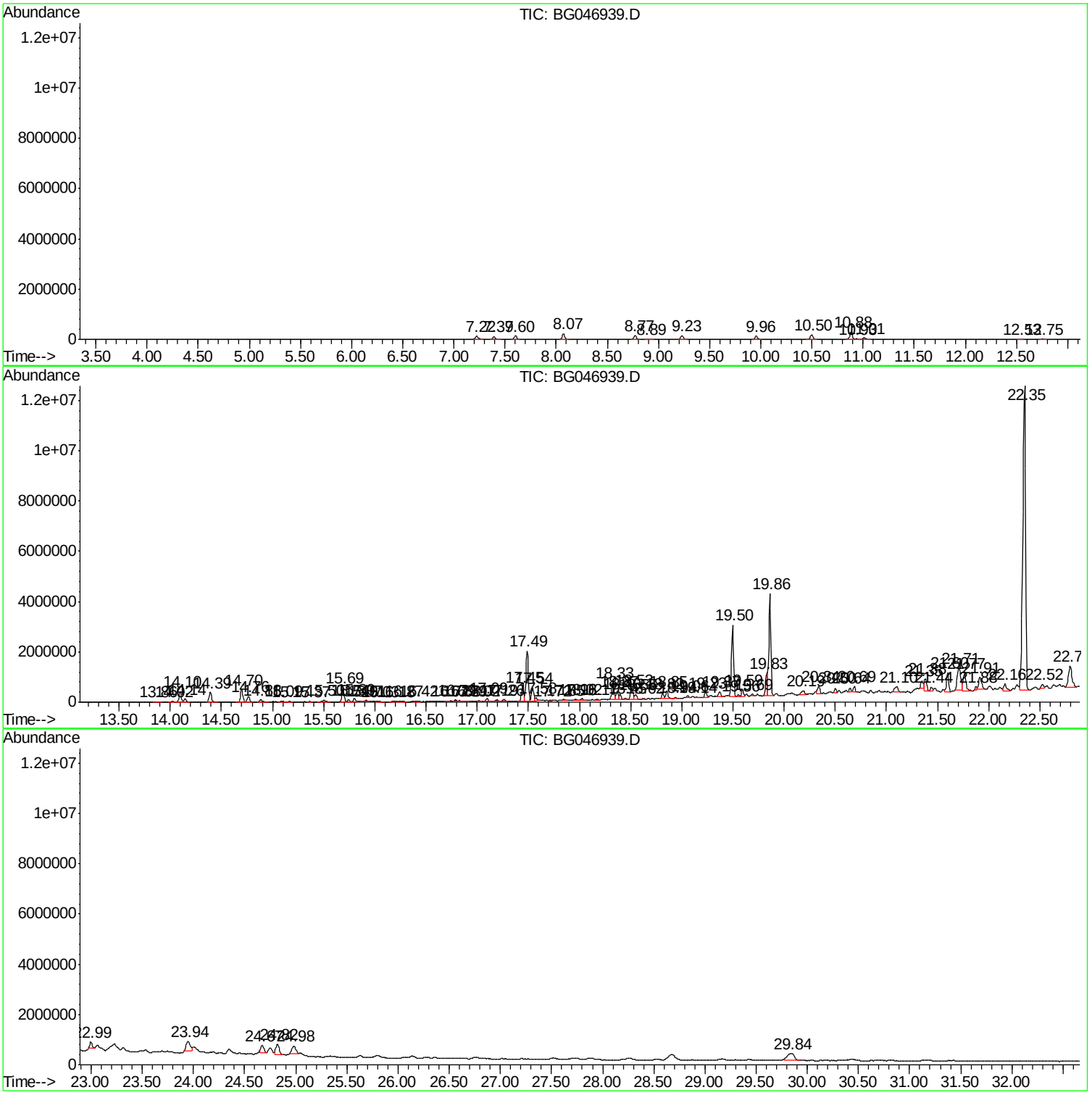
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

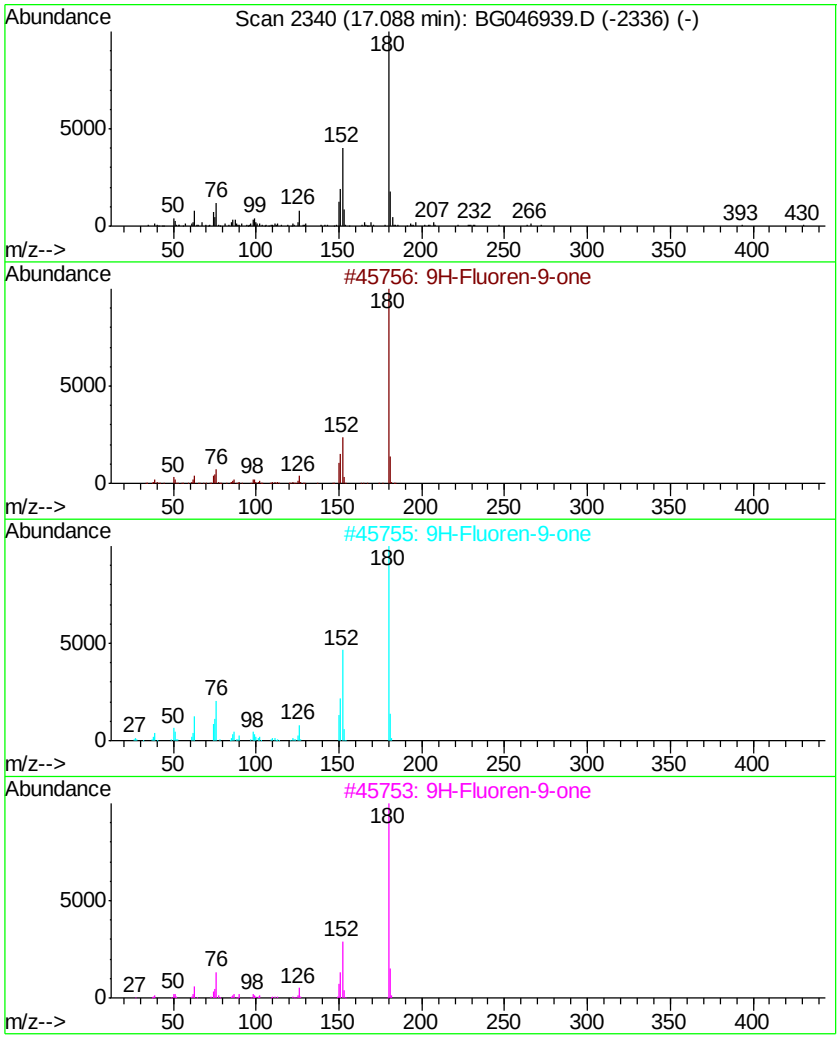
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

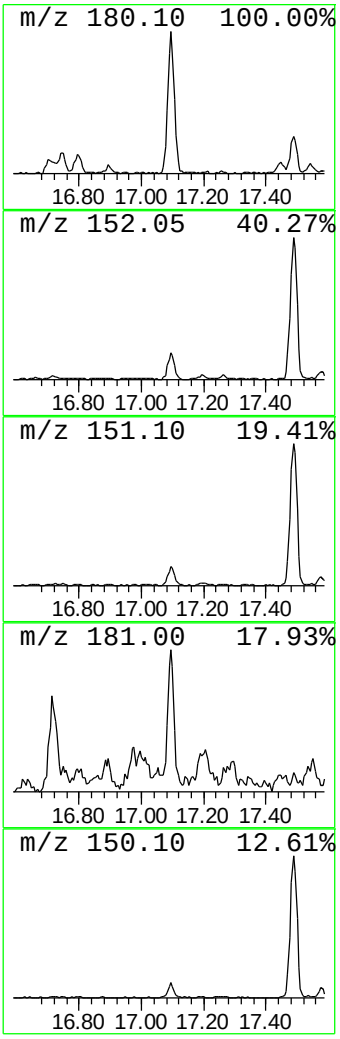
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	4.18 ng/ul	194712	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

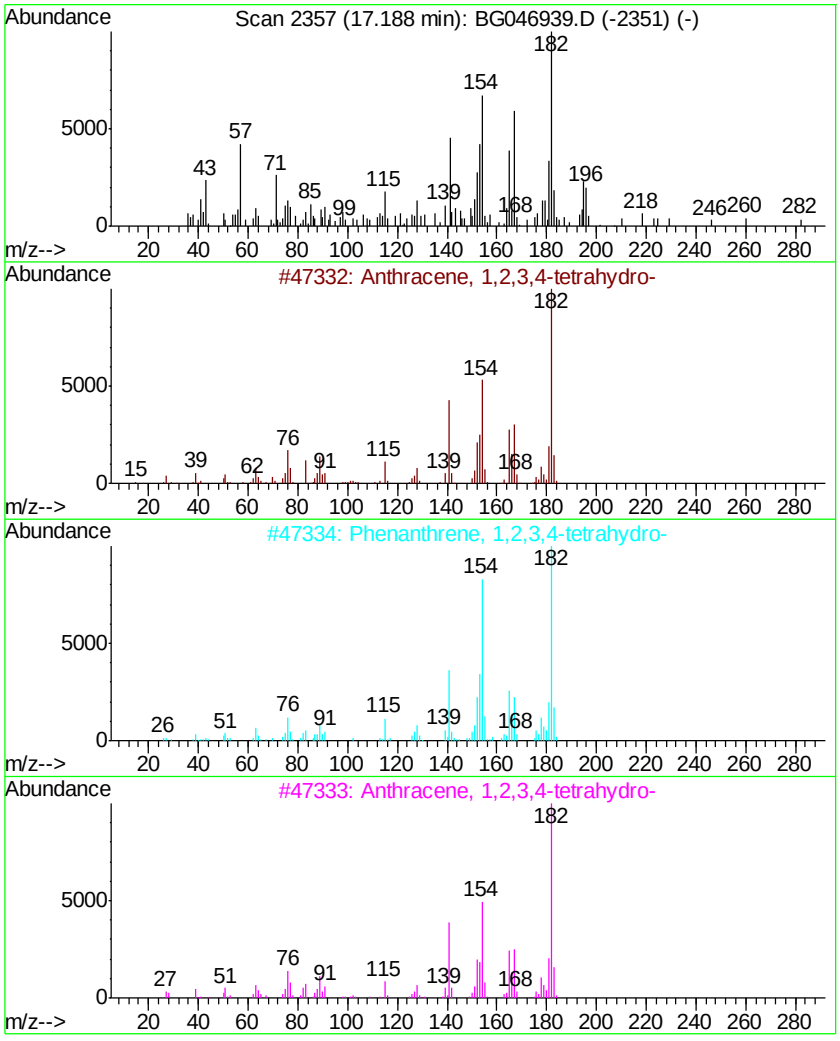
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

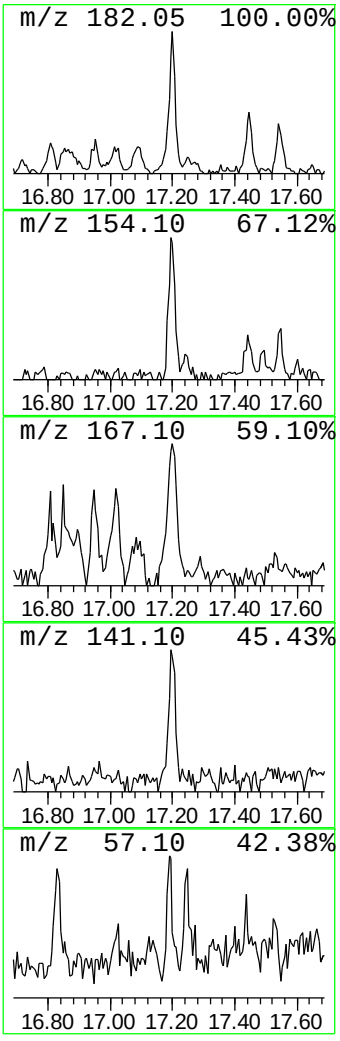
****

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	2.57 ng/ul	119703	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	78
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	62
4	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	46
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
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Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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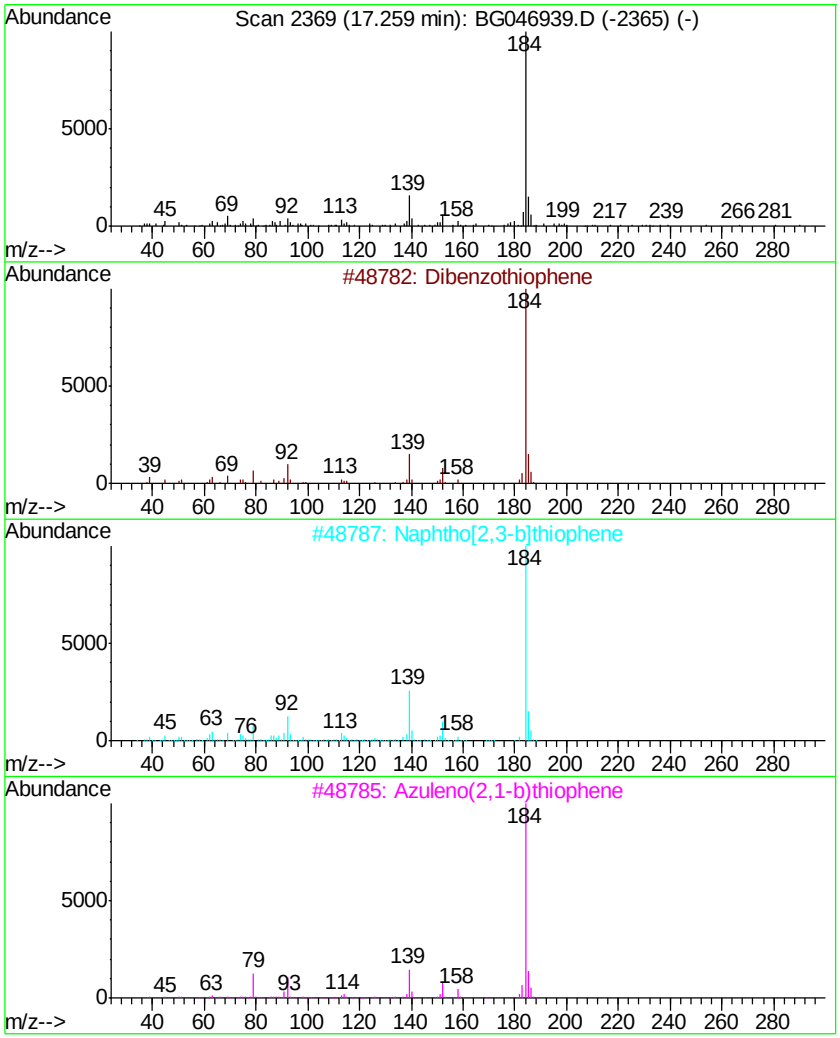
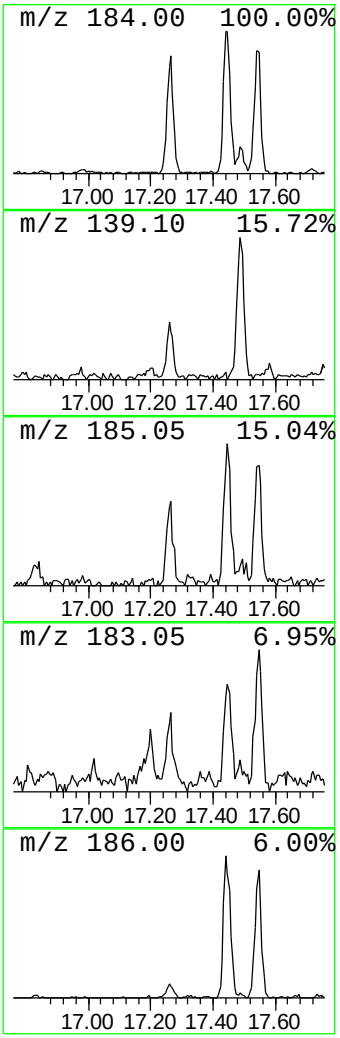
Peak Number 3 Dibenzothiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.36 ng/ul	110021	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
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Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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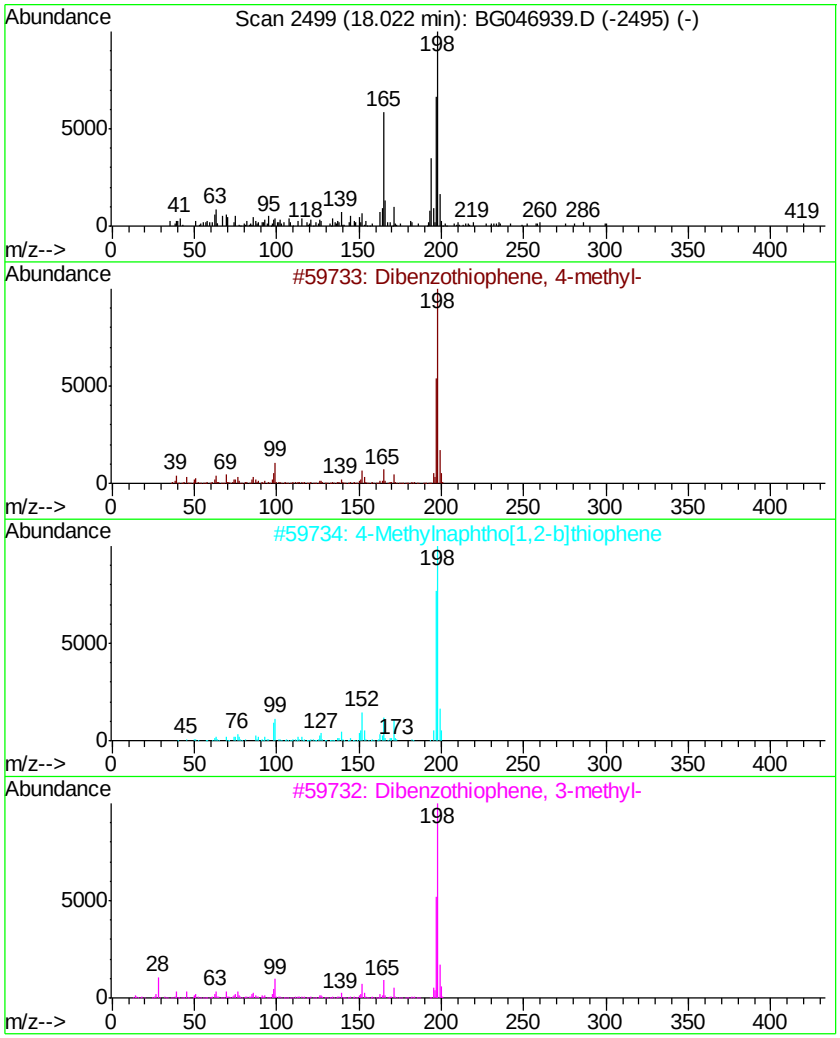
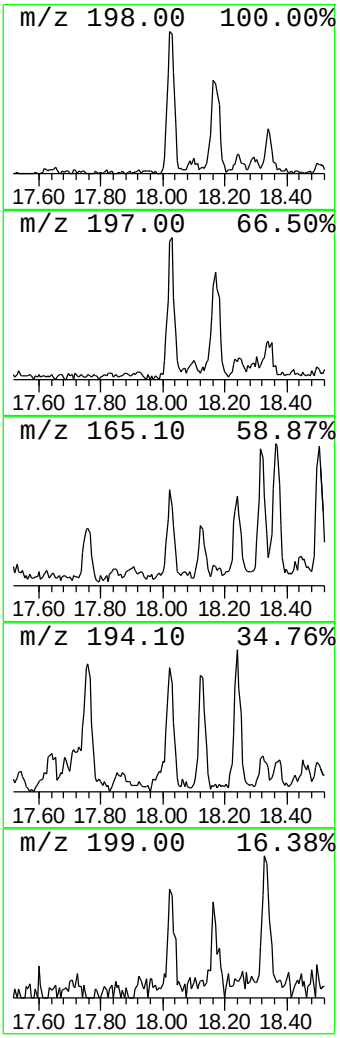
Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.23 ng/ul	103596	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	62
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	58
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	52
4	Tacrine	198	C13H14N2	000321-64-2	47
5	Tacrine	198	C13H14N2	000321-64-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

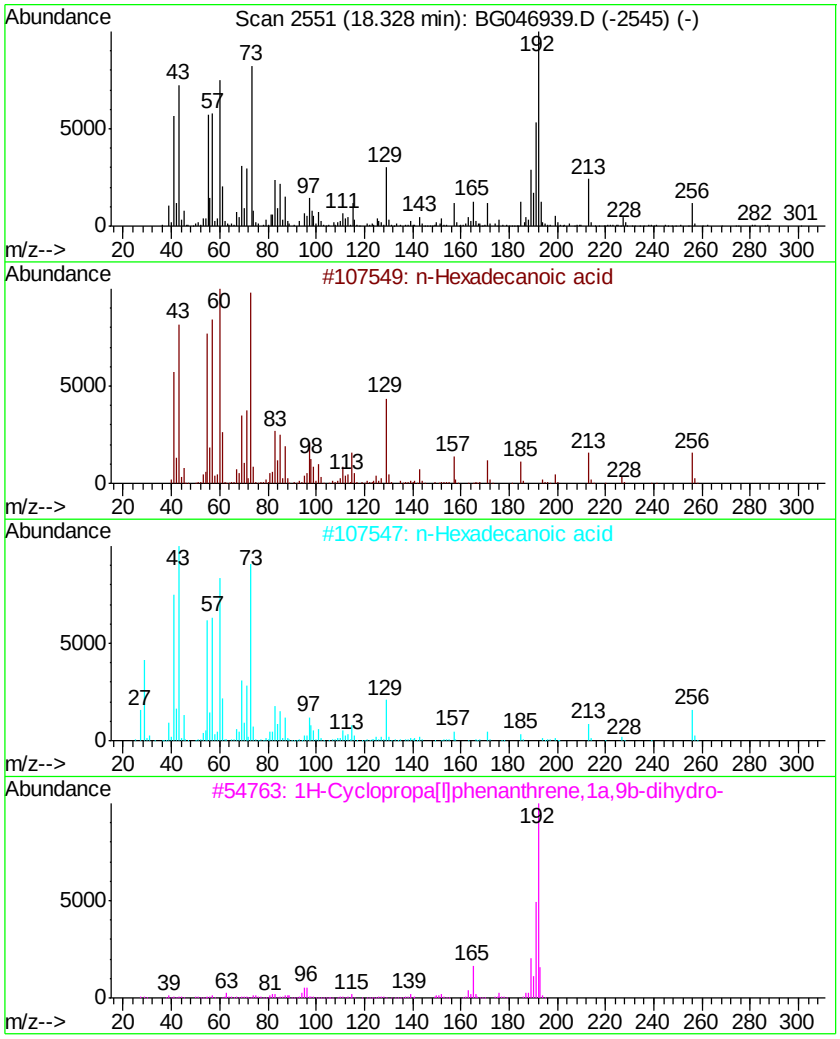
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

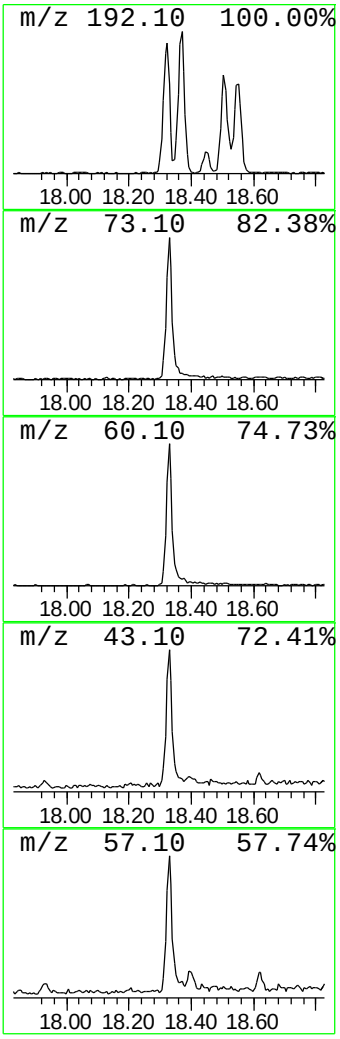
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	23.78 ng/ul	1106900	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78





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Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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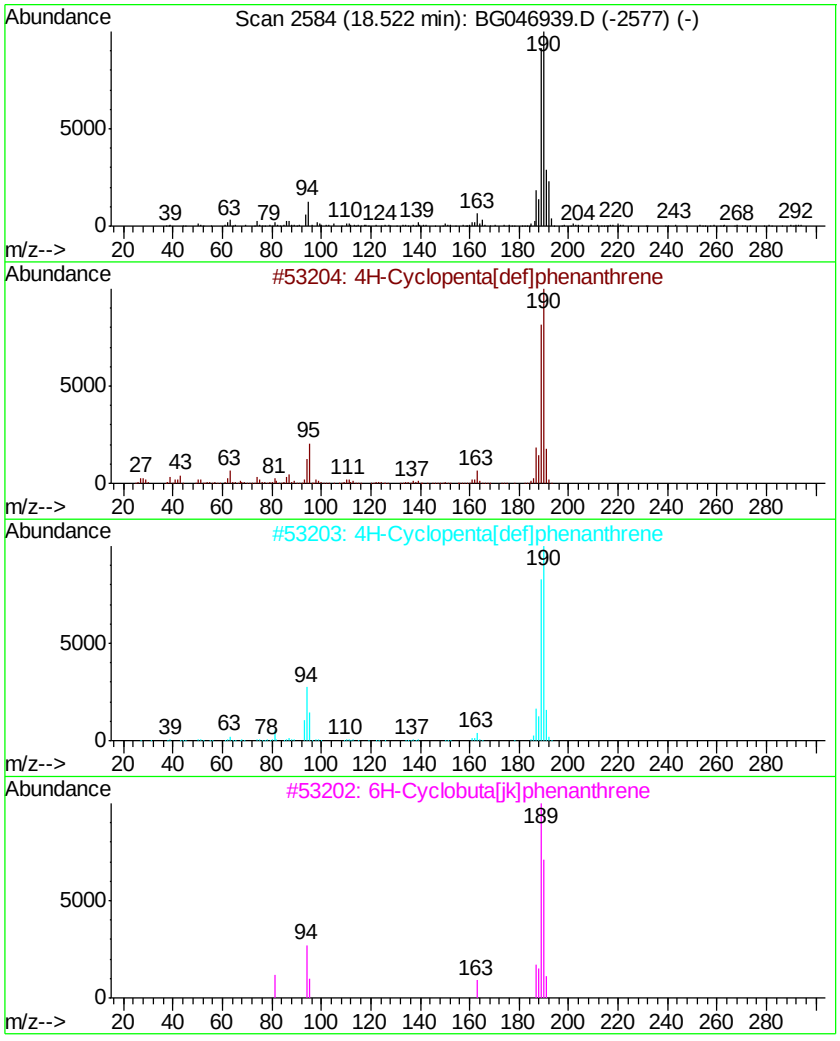
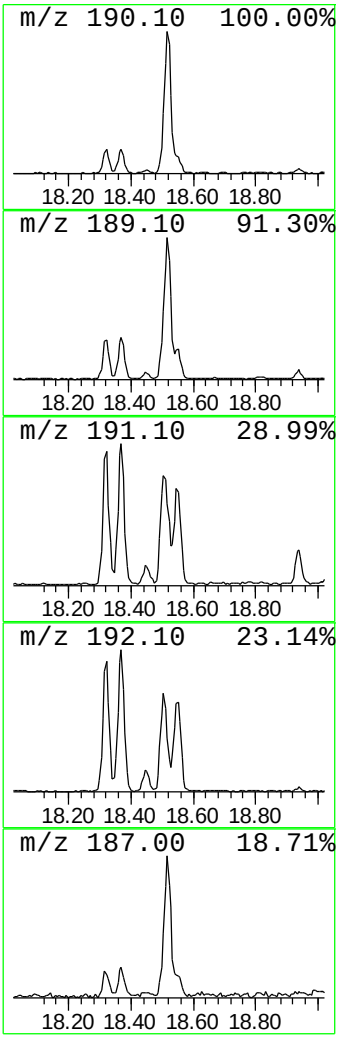
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	15.45 ng/ul	718909	Phenanthrene-d10	17.45

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	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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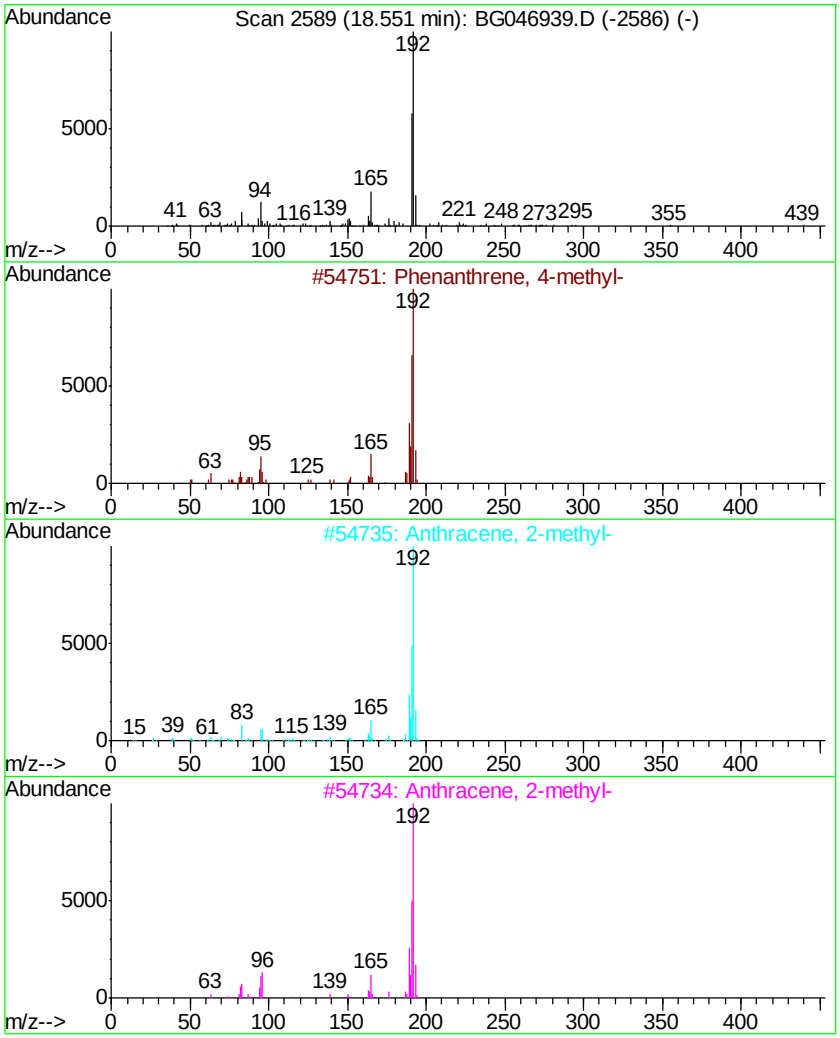
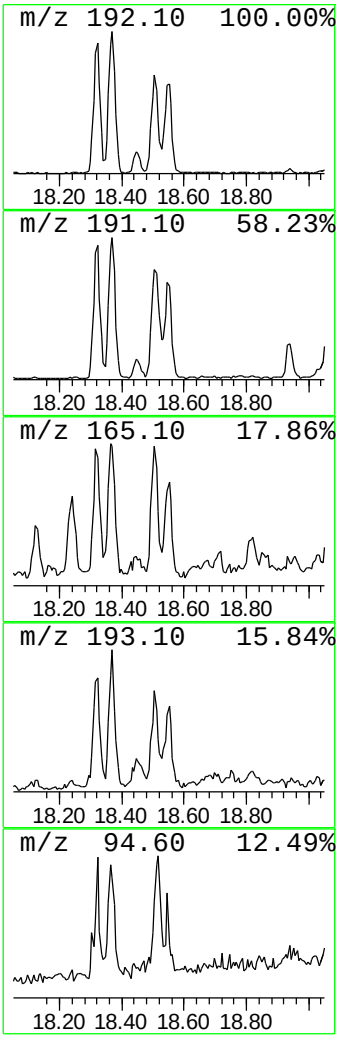
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	6.37 ng/ul	296301	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Instrument : BNA_G
ClientSampleId : C0AP3

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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 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.45 ng/ul	300231	Phenanthrene-d10	17.45

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	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
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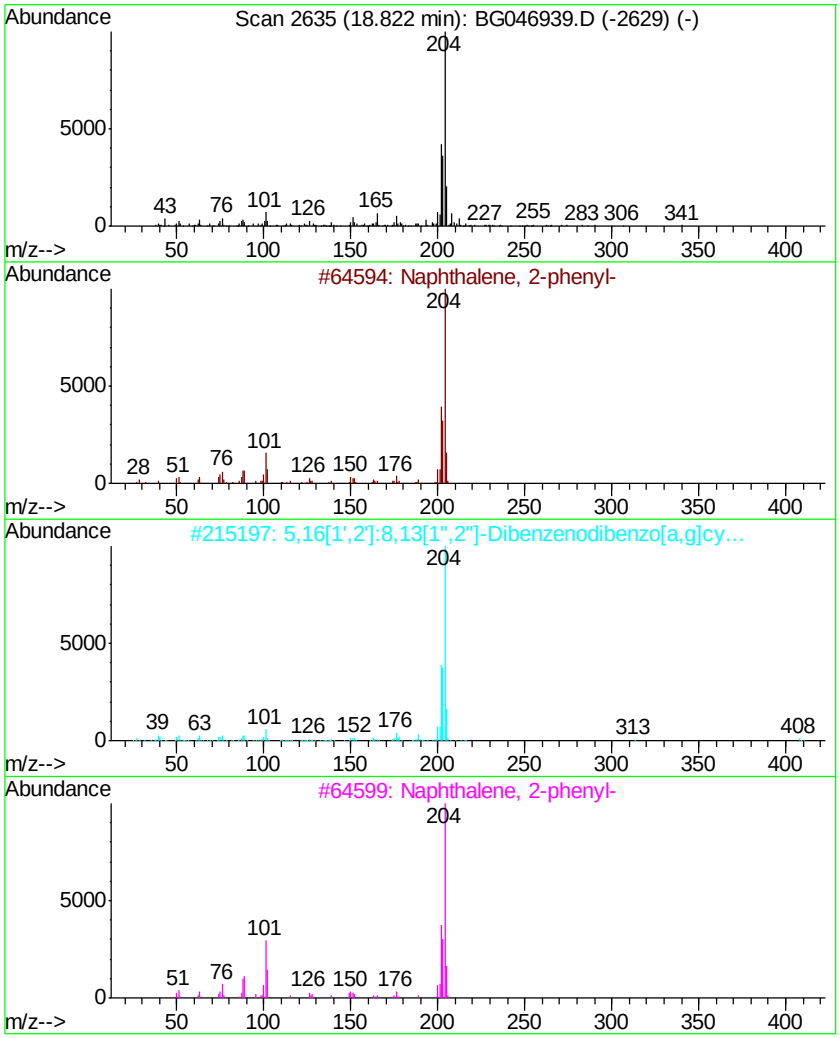

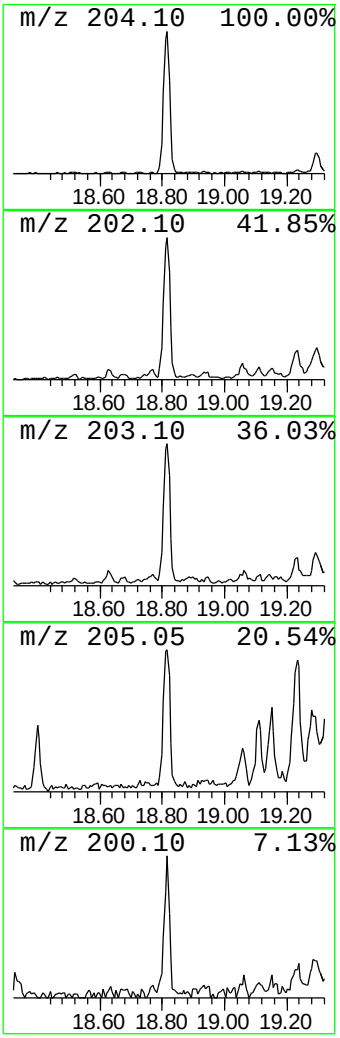

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ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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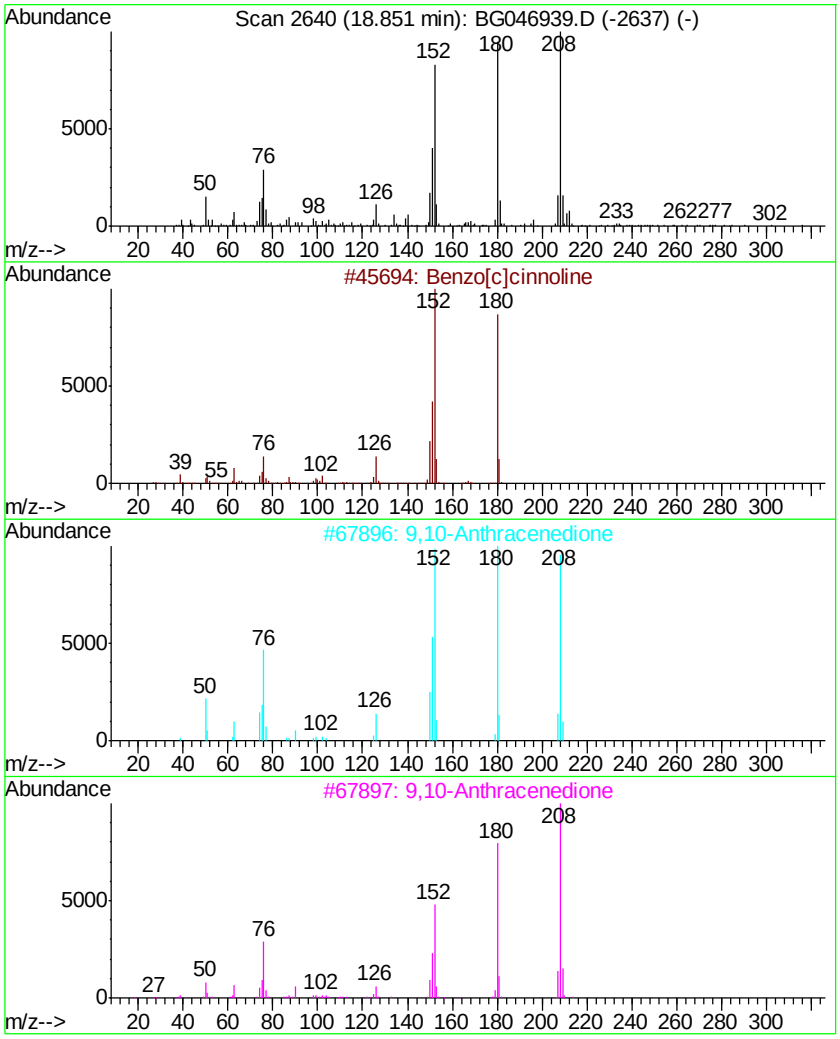
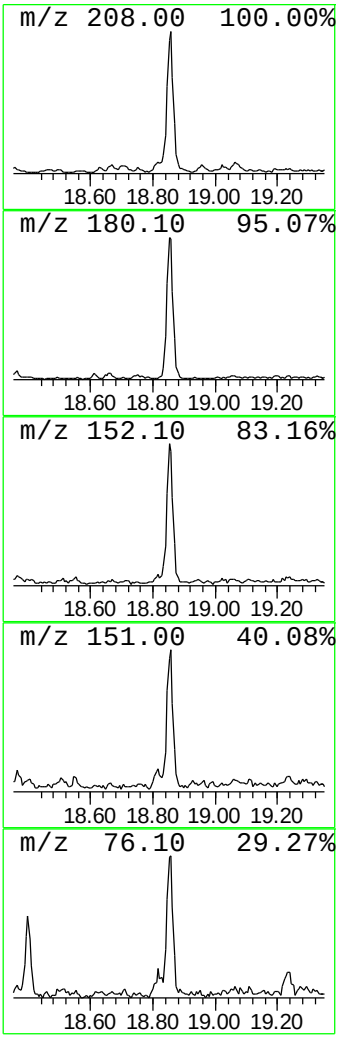
Peak Number 9 Benzo[c]cinnoline Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	10.25 ng/ul	476856	Phenanthrene-d10	17.45

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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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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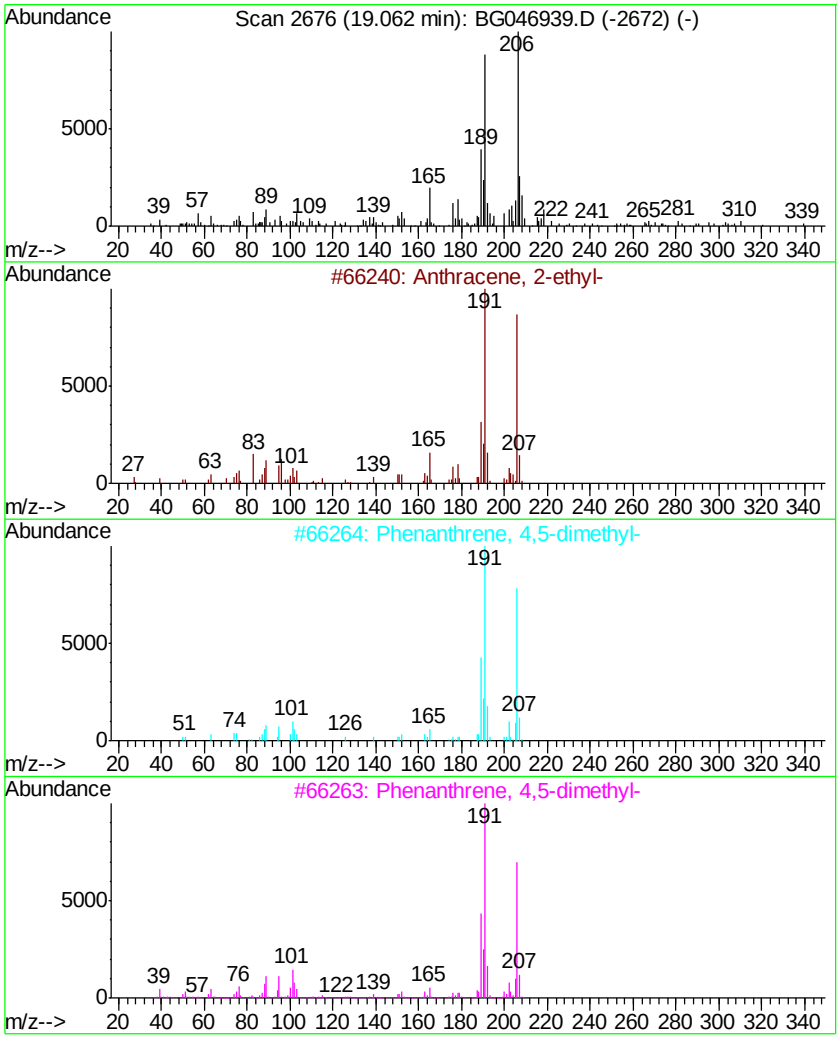
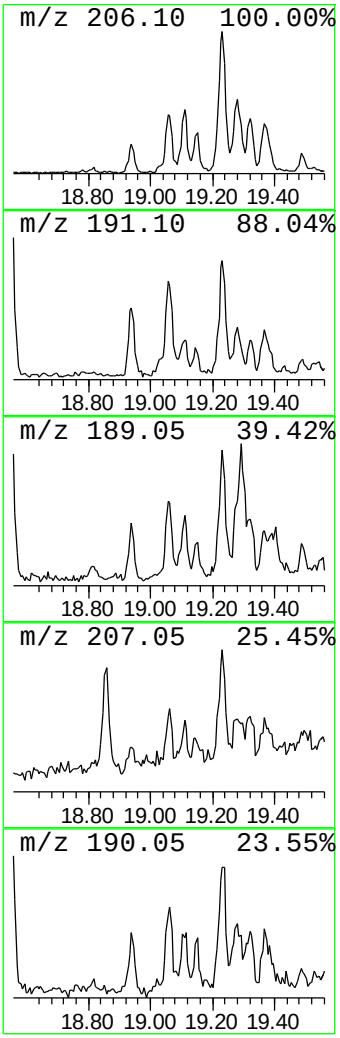
Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.33 ng/ul	108273	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





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Misc :
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ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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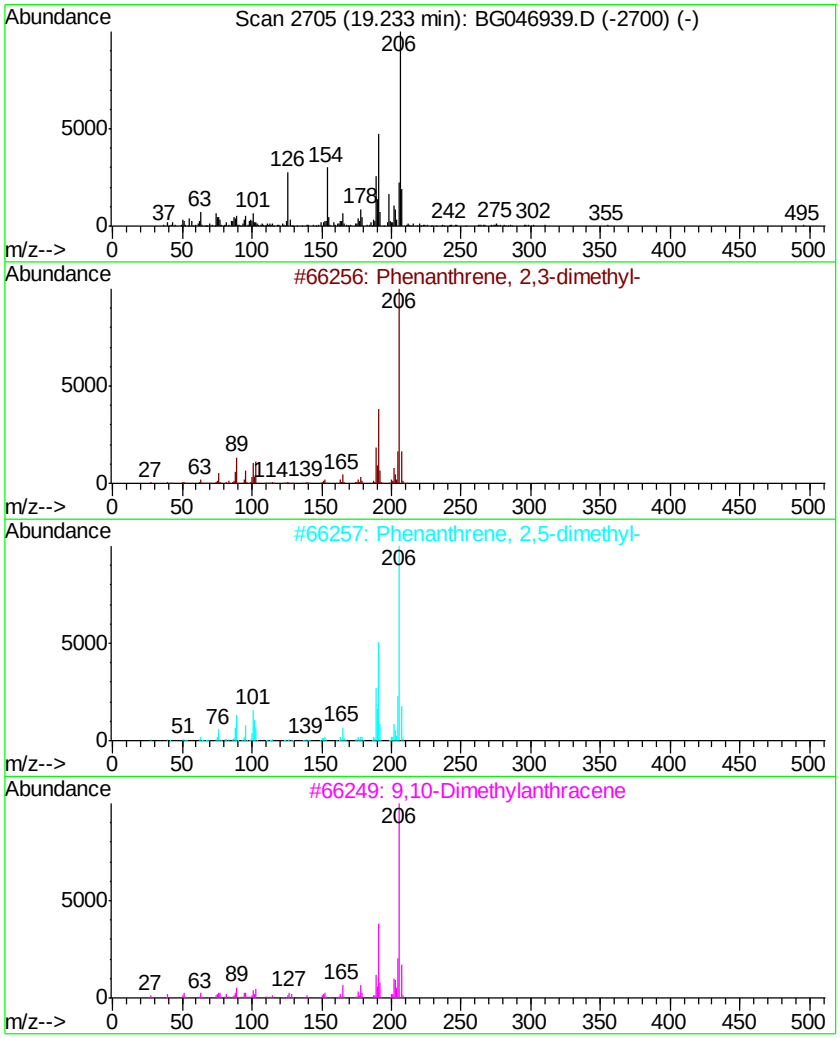
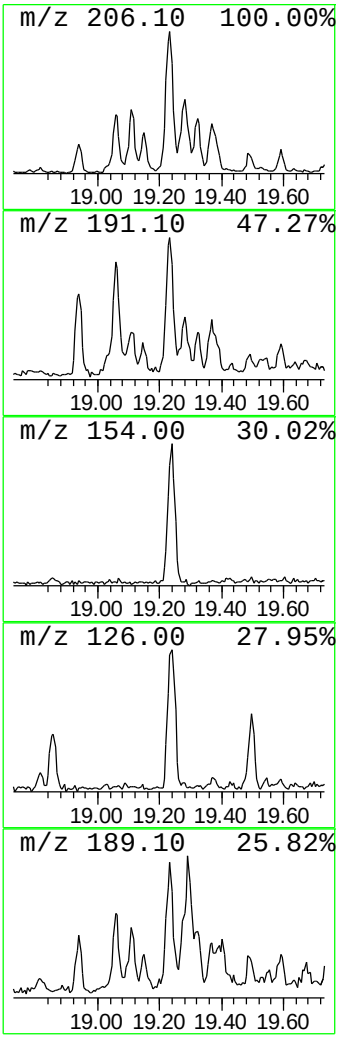
Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	8.77 ng/ul	408231	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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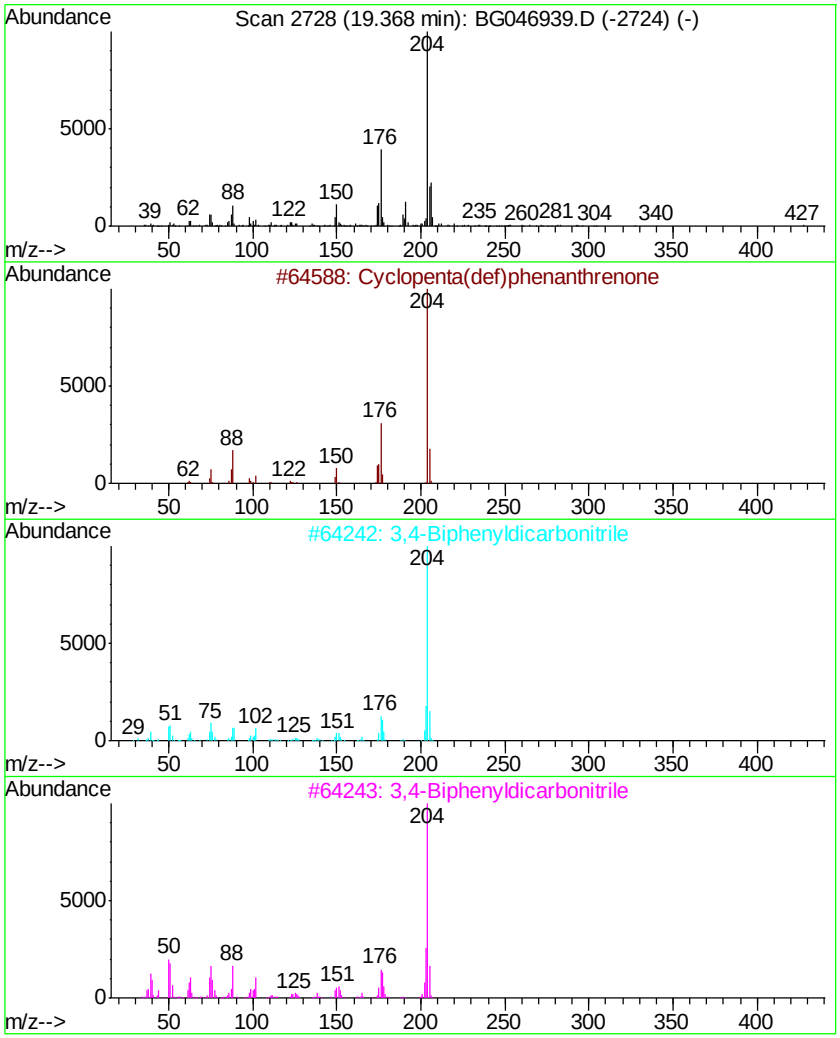
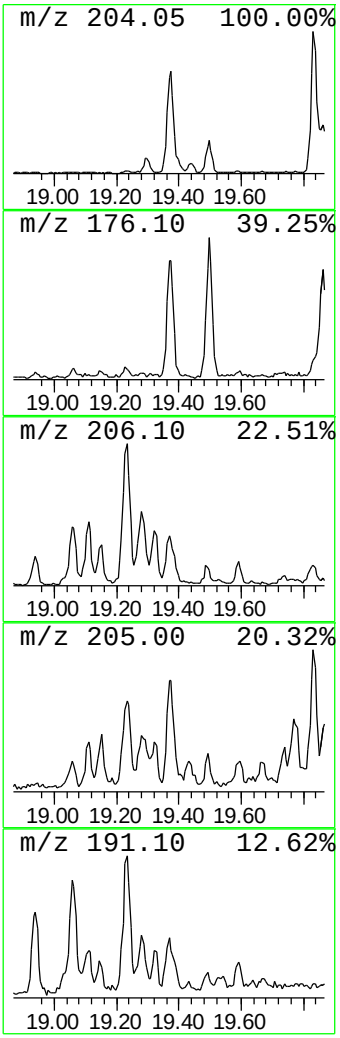
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	7.04 ng/ul	327552	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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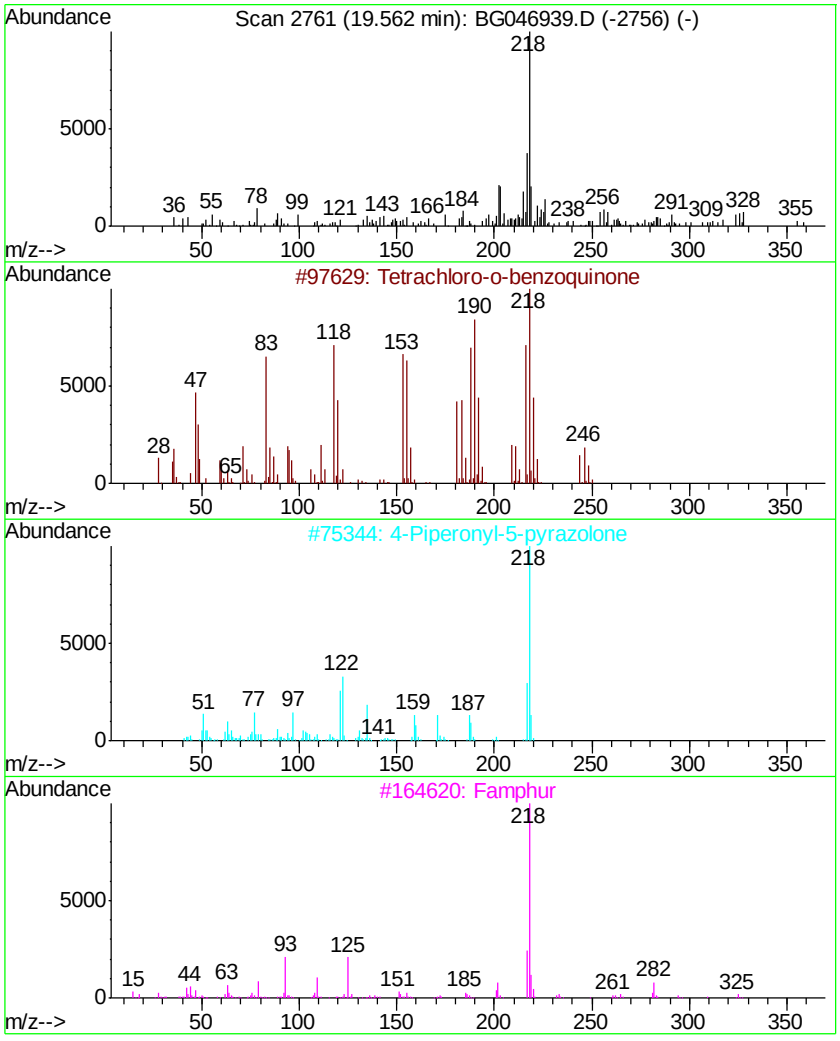
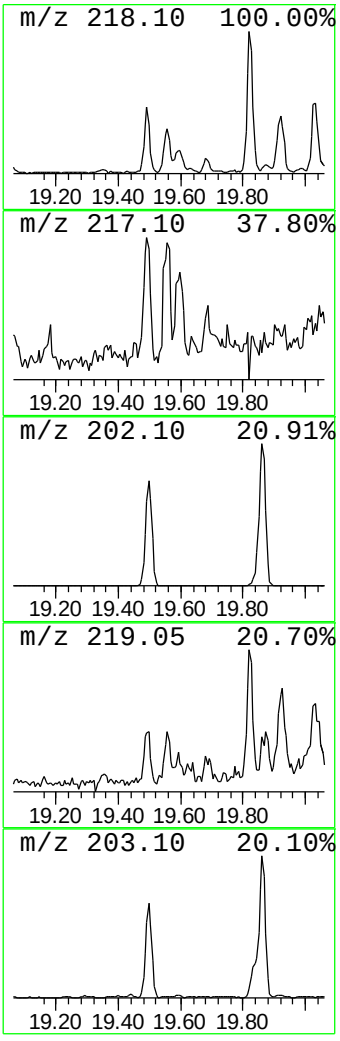
Peak Number 13 Tetrachloro-o-benzoquinone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	2.05 ng/ul	95512	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	53
2	4-Piperonyl-5-pyrazolone	218	C11H10N2O3	014731-80-7	43
3	Famphur	325	C10H16NO5PS2	000052-85-7	43
4	l-Valine, n-pentafluoropropionyl...	487	C24H42F5NO3	1000320-89-0	38
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	38





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Quant Title : SVOA CALIBRATION

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

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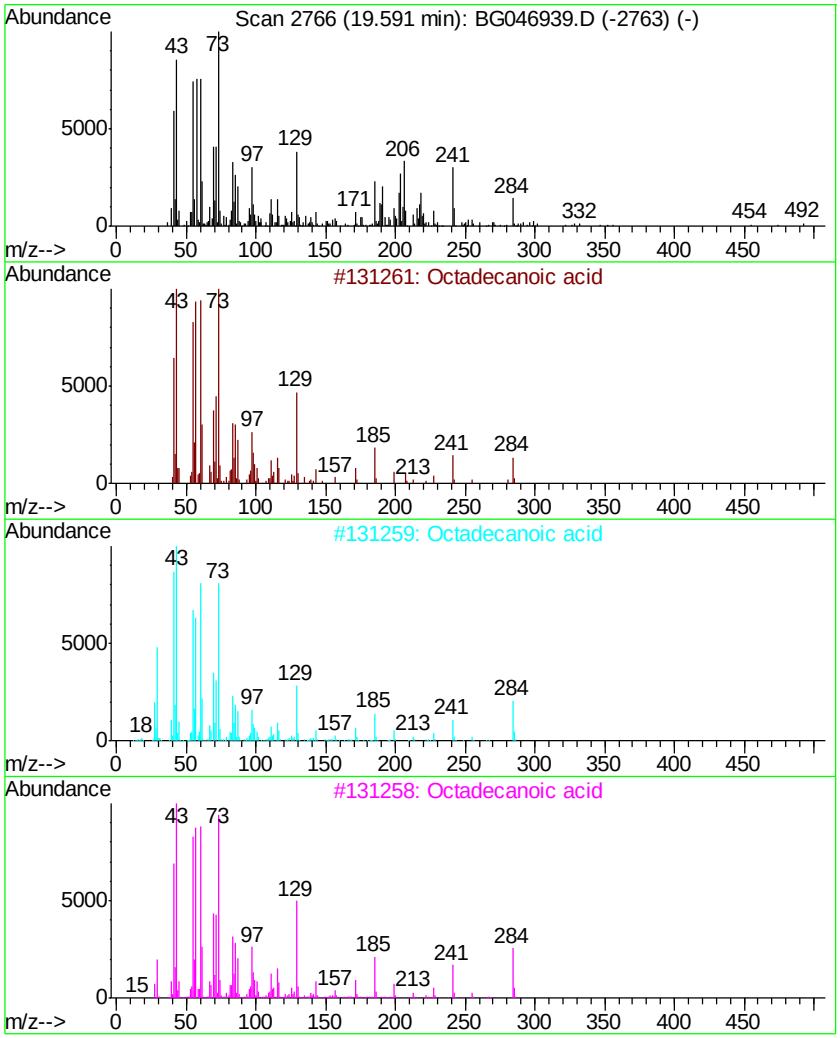
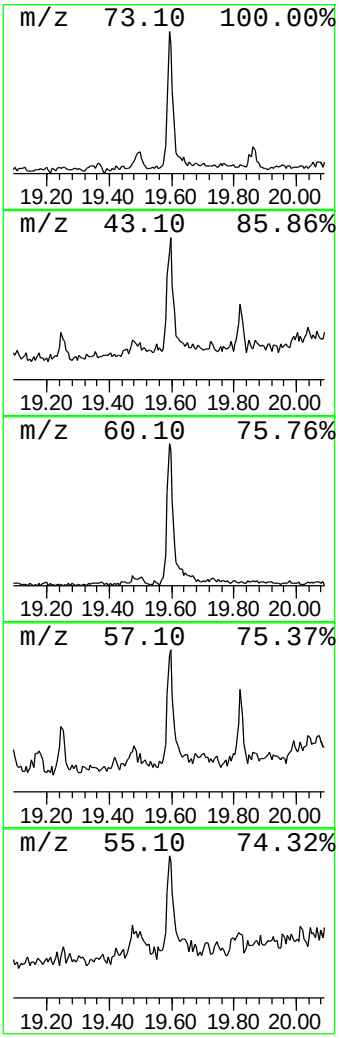
Peak Number 14 Octadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.25 ng/ul	350498	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	92
3	Octadecanoic acid	284	C18H36O2	000057-11-4	78
4	Octadecanoic acid	284	C18H36O2	000057-11-4	62
5	Tridecanoic acid	214	C13H26O2	000638-53-9	55





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Quant Title : SVOA CALIBRATION

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

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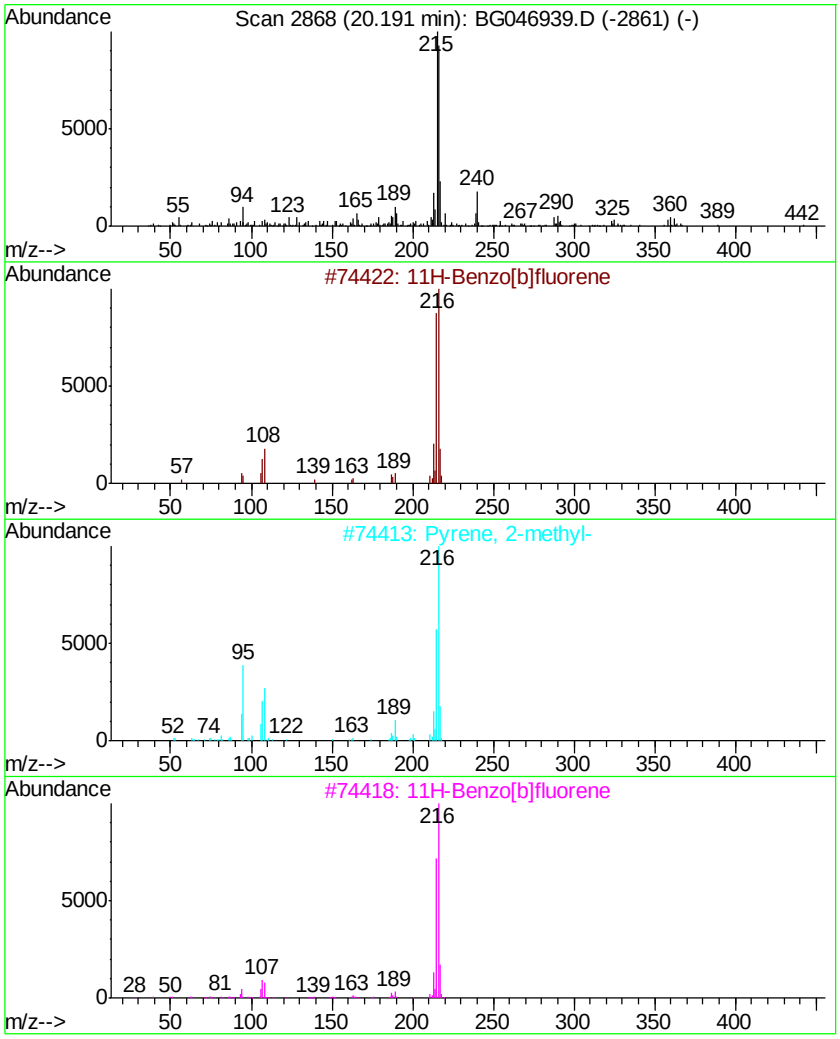
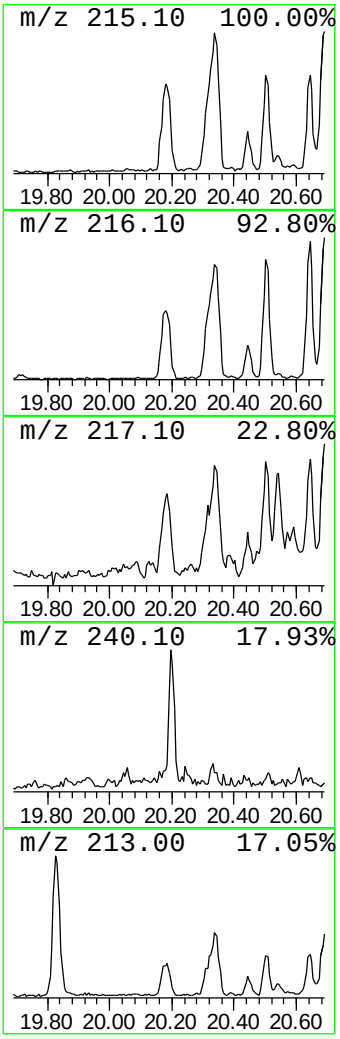
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.73 ng/ul	402782	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Quant Title : SVOA CALIBRATION

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

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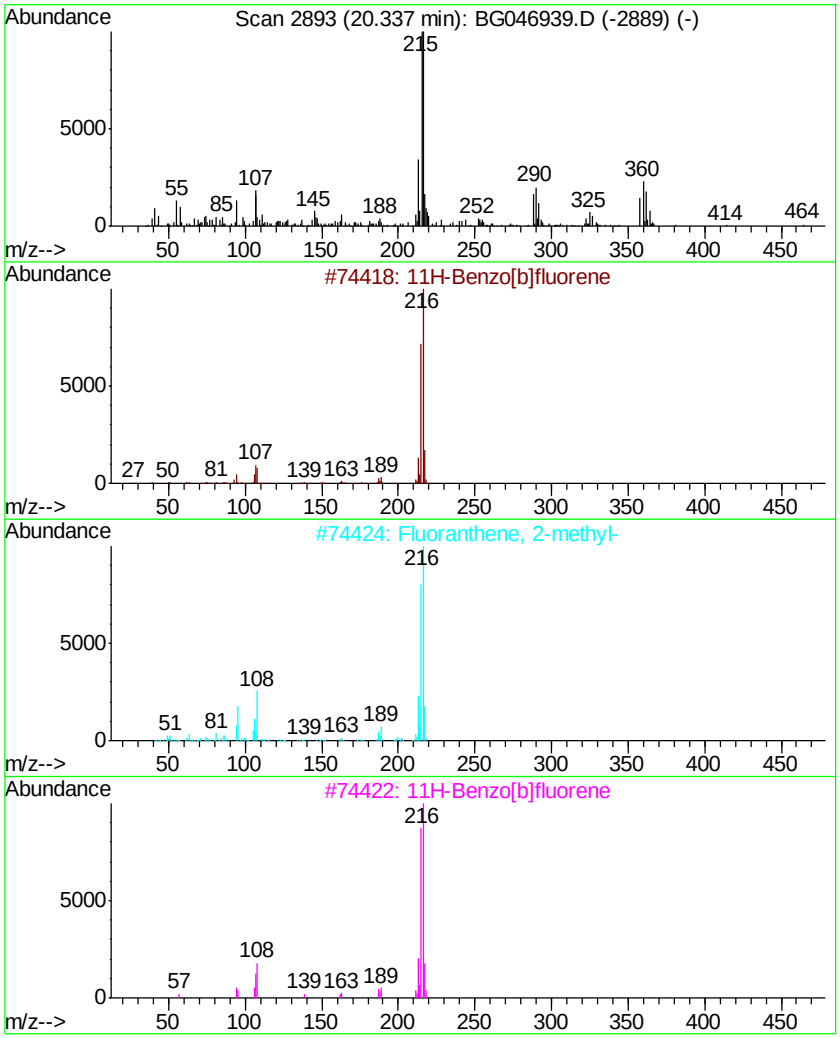
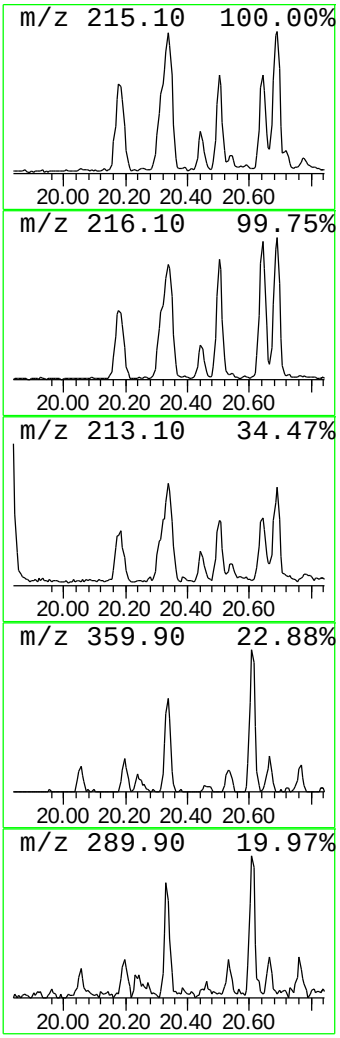
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	5.09 ng/ul	549758	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	50





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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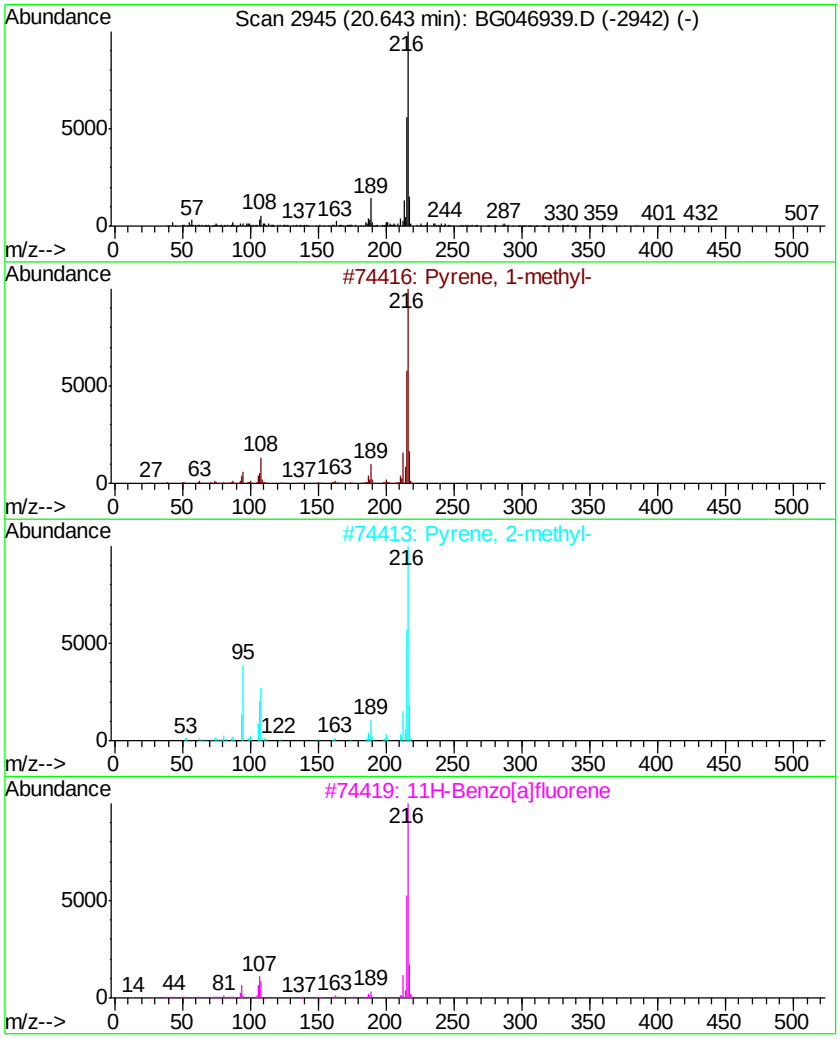
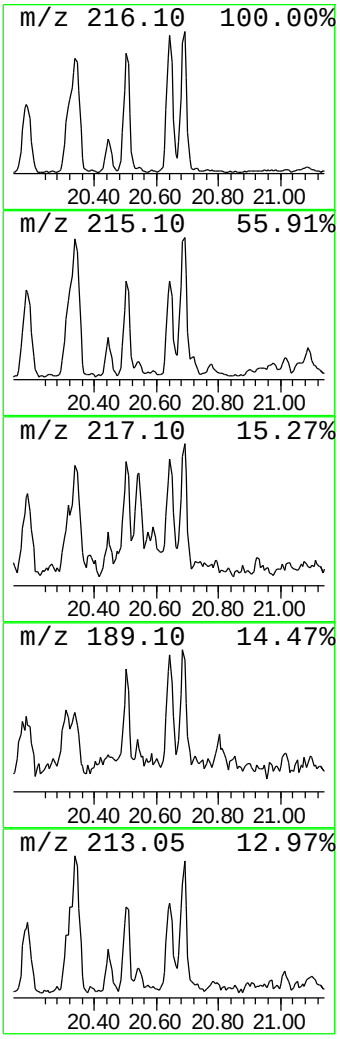
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.19 ng/ul	236256	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

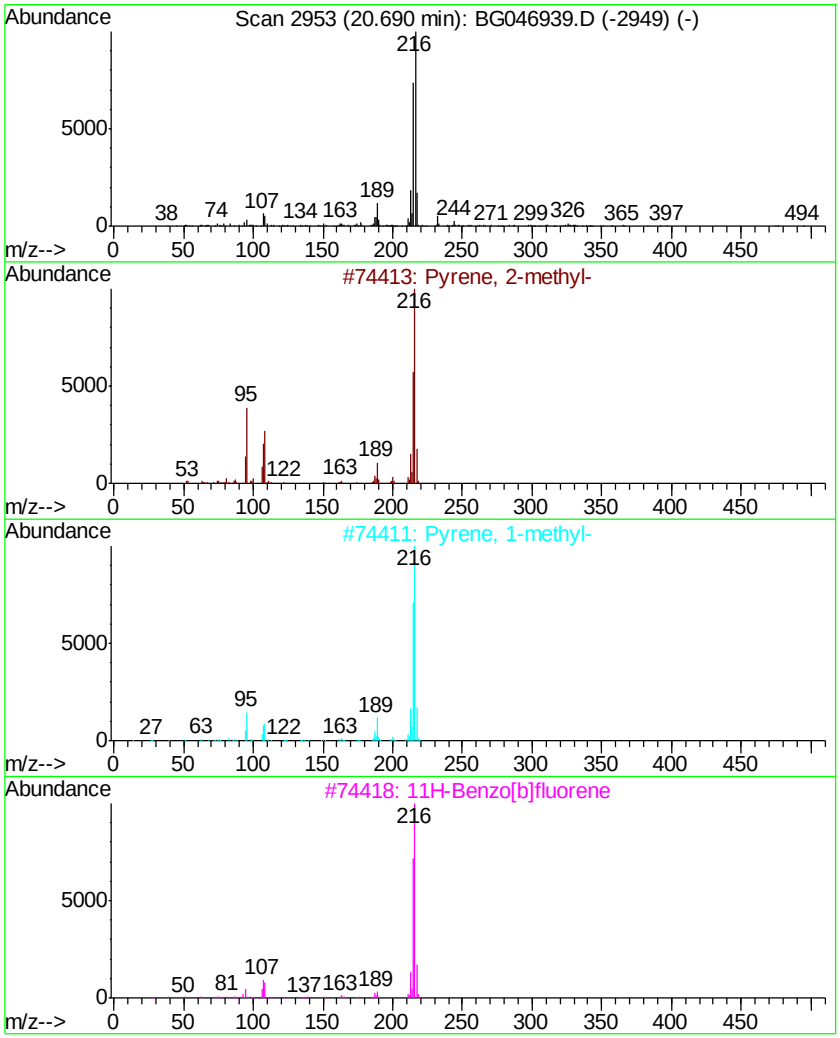
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

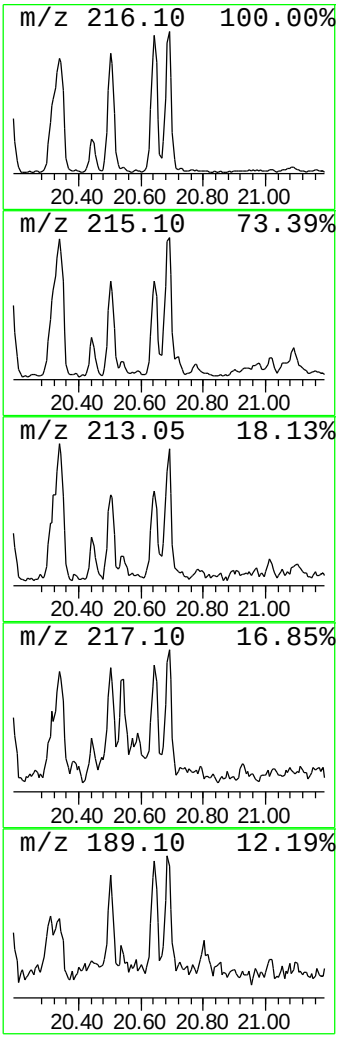
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.77 ng/ul	298968	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

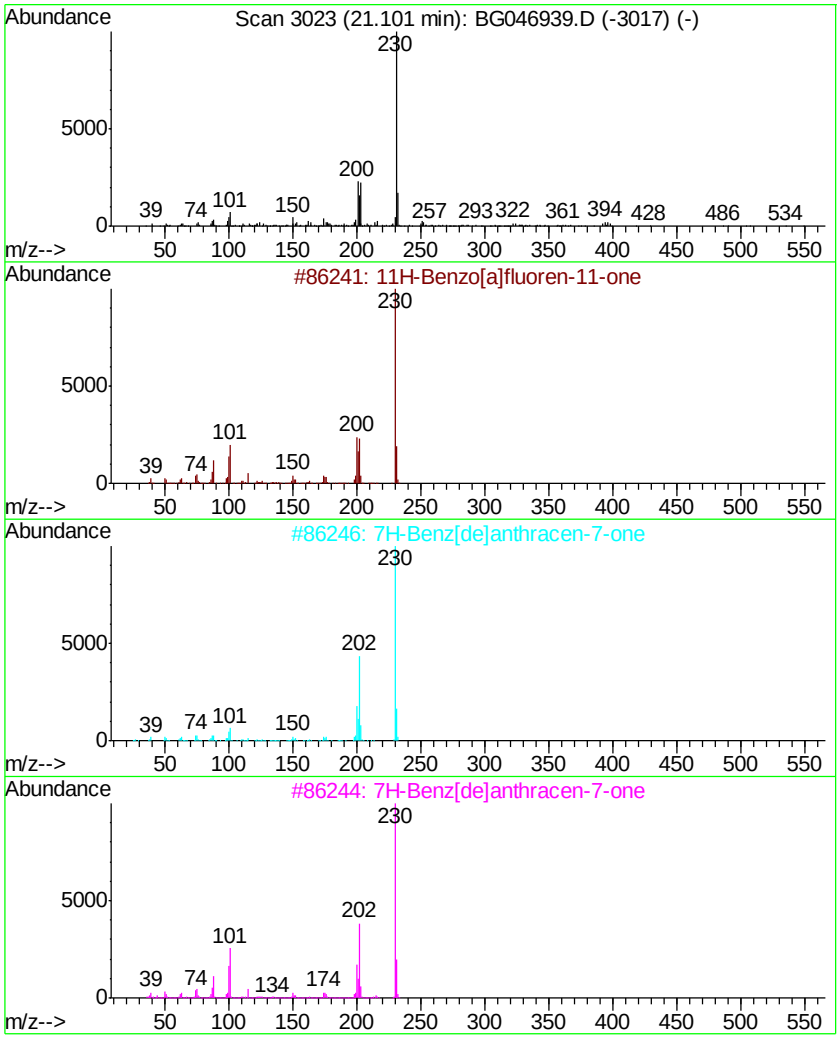
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

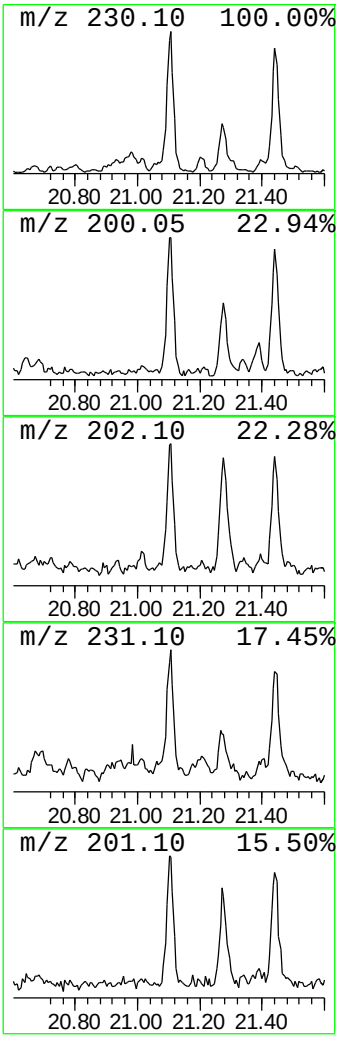
****

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	4.76 ng/ul	514336	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
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	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	o-Terphenyl	230	C18H14	000084-15-1	50





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

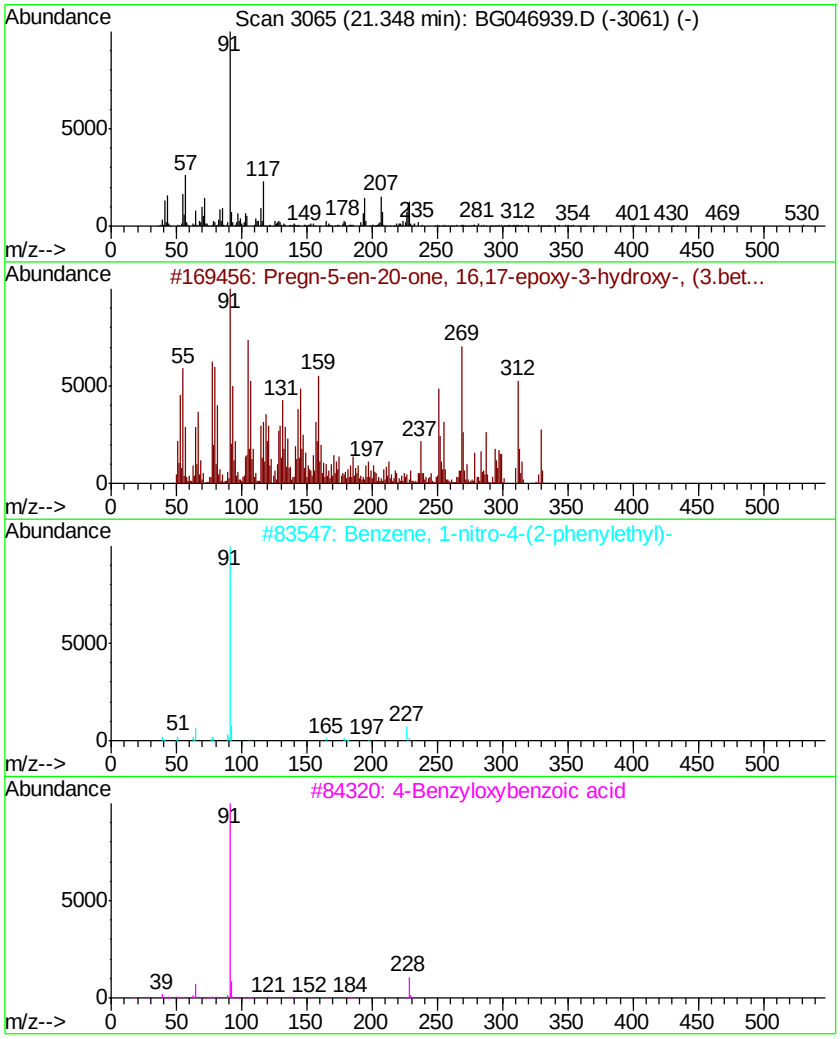
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

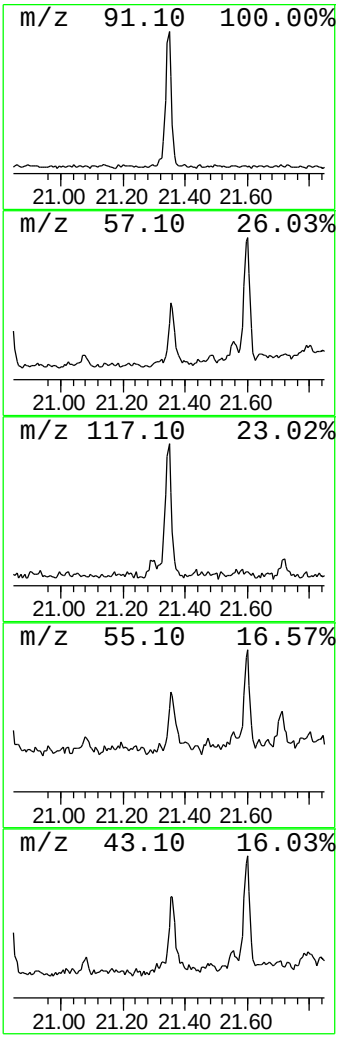
****

Peak Number 20 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	4.97 ng/ul	536610	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pregn-5-en-20-one, 16,17-epoxy-3...	330	C21H30O3	000974-23-2	25
2	Benzene, 1-nitro-4-(2-phenylethyl)-	227	C14H13NO2	014310-29-3	18
3	4-Benzyloxybenzoic acid	228	C14H12O3	001486-51-7	18
4	Benzaldehyde, 3-hydroxy-4-benzyl...	228	C14H12O3	004049-39-2	14
5	5-Pyrimidinamine, N-methyl-2-(me...	277	C13H15N3O2S	1000319-16-2	11





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Operator : CG/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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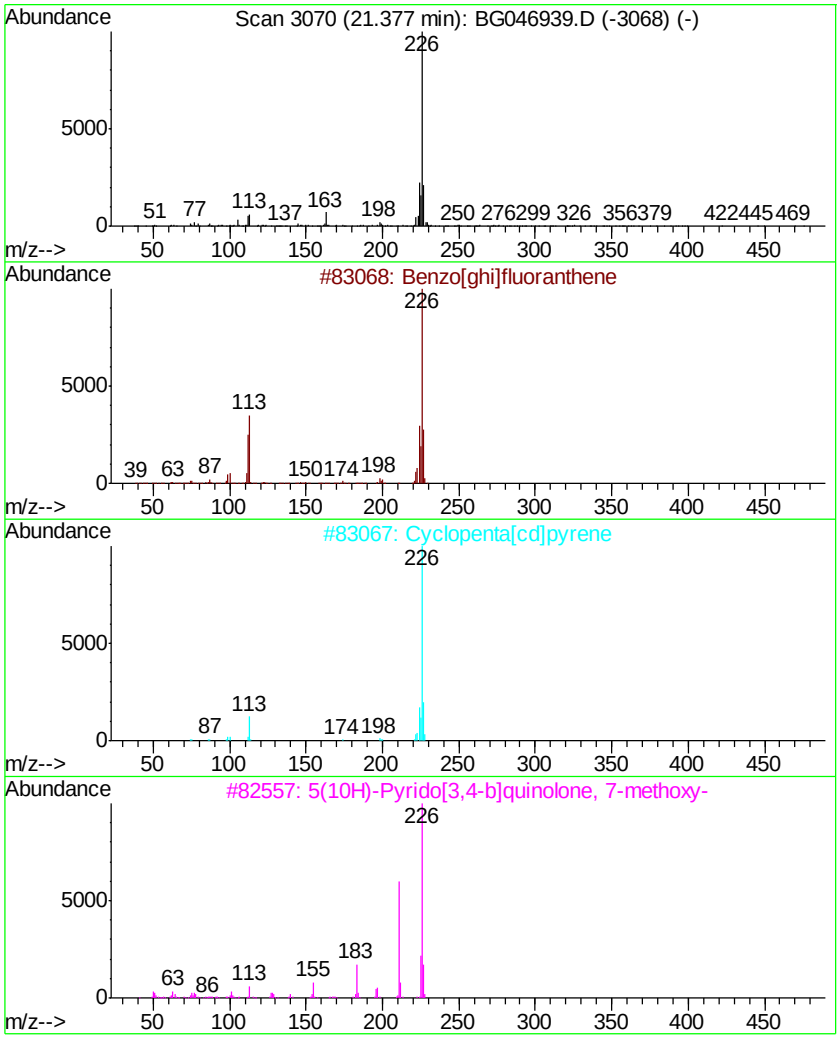
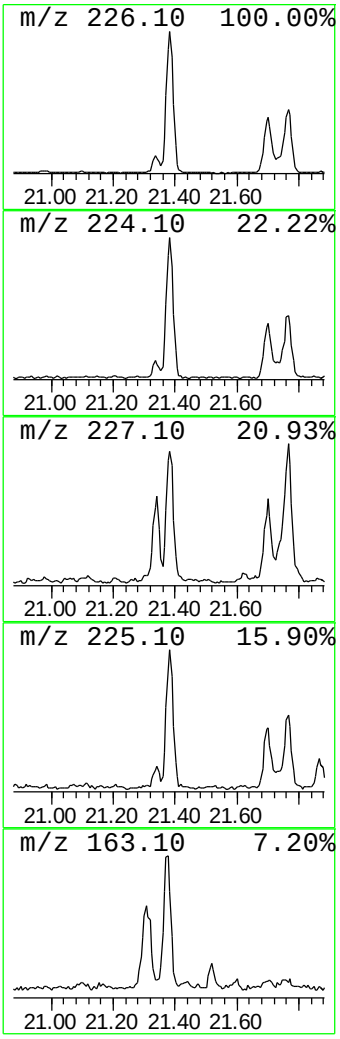
Peak Number 21 Benzo[ghi]fluoranthene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	7.49 ng/ul	808508	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	74
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	74
3	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	53
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	42
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	42





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Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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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 7H-Benz[de]anthracen-7-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.50 ng/ul	269722	Chrysene-d12	21.72

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	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
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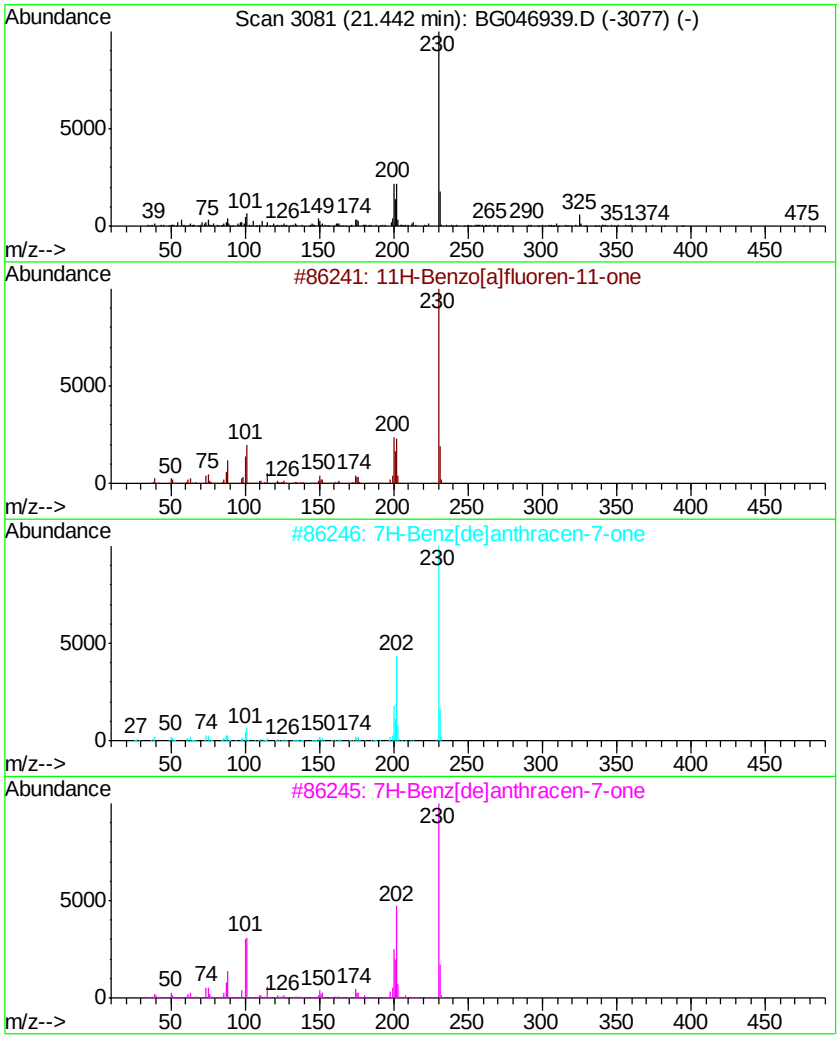

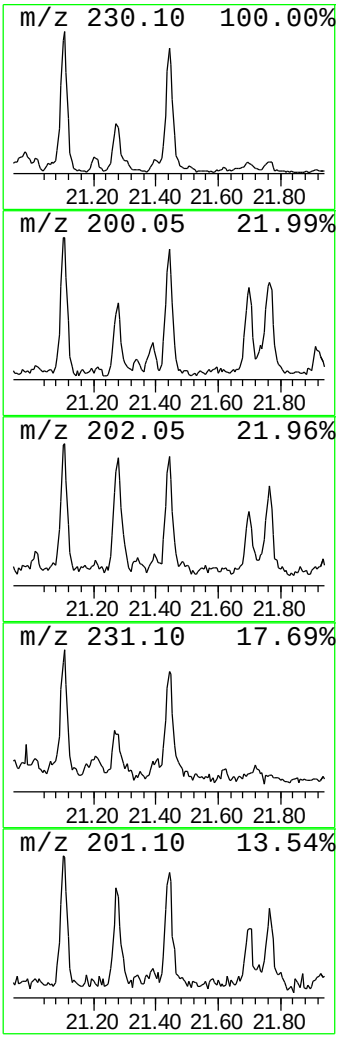

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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

****

Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	8.52 ng/ul	919772	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
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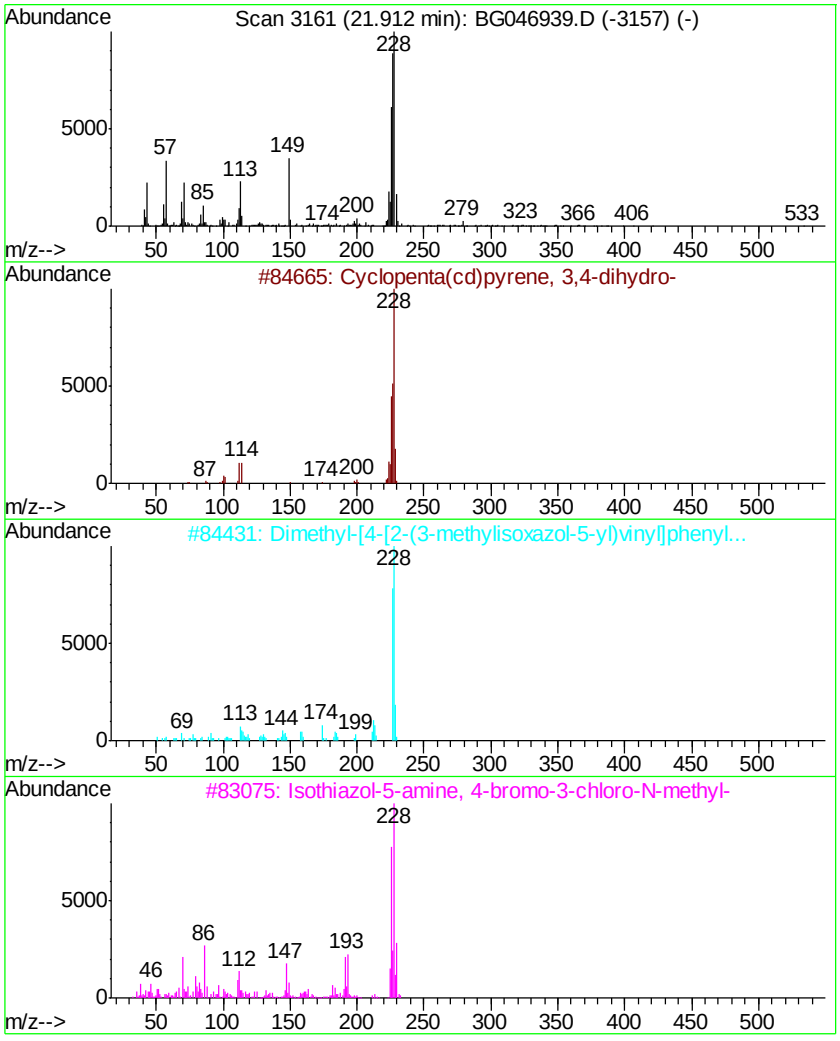

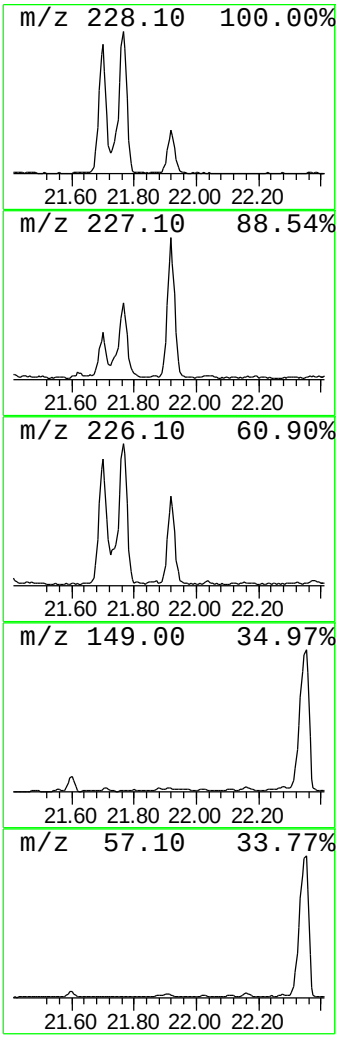

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Misc :
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Instrument : BNA_G
ClientSampleId : C0AP3

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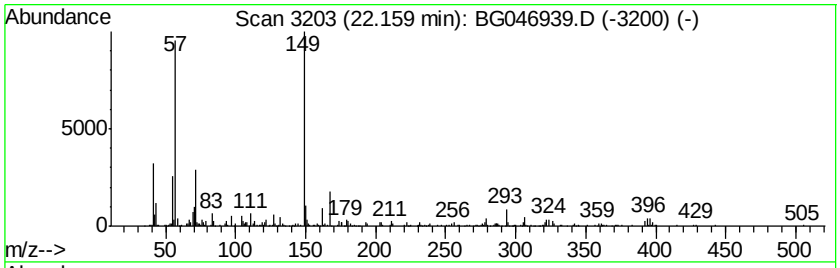
Quant Title : SVOA CALIBRATION

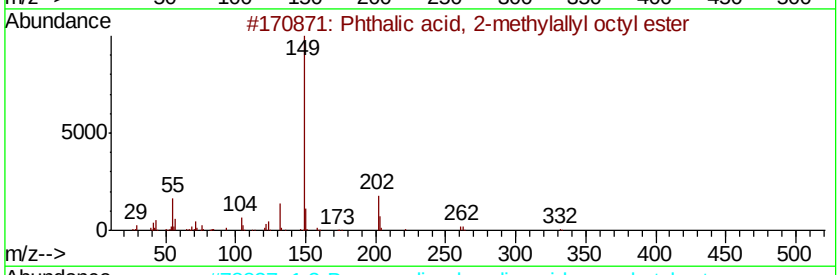
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

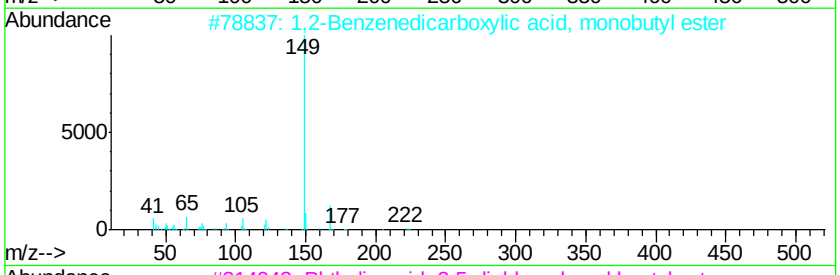
****
Peak Number 24 Phthalic acid, 2-methylally... Concentration Rank 15

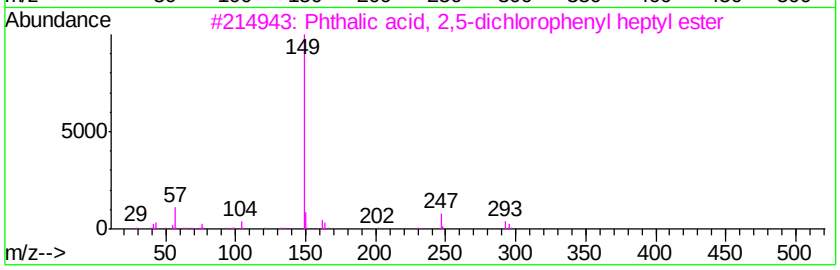
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	4.77 ng/ul	515230	Chrysene-d12	21.72

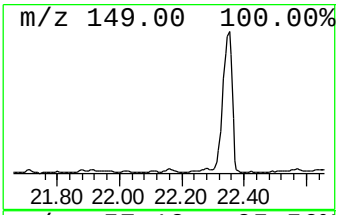
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-methylallyl oct...	332	C20H28O4	1000315-82-8	64
2	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	58
3	Phthalic acid, 2,5-dichlorophenyl...	408	C21H22Cl2O4	1000356-34-5	53
4	Benzyl butyl phthalate	312	C19H20O4	000085-68-7	52
5	2-(Hexyloxycarbonyl)benzoic acid	250	C14H18O4	1000373-63-0	52

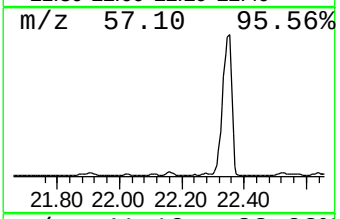


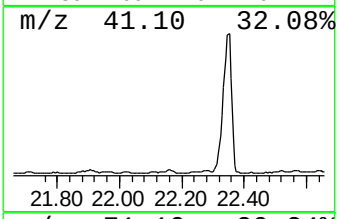


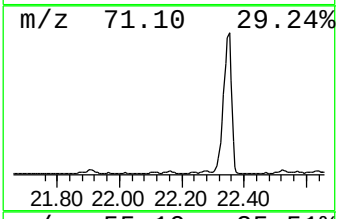


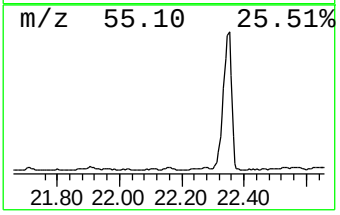












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Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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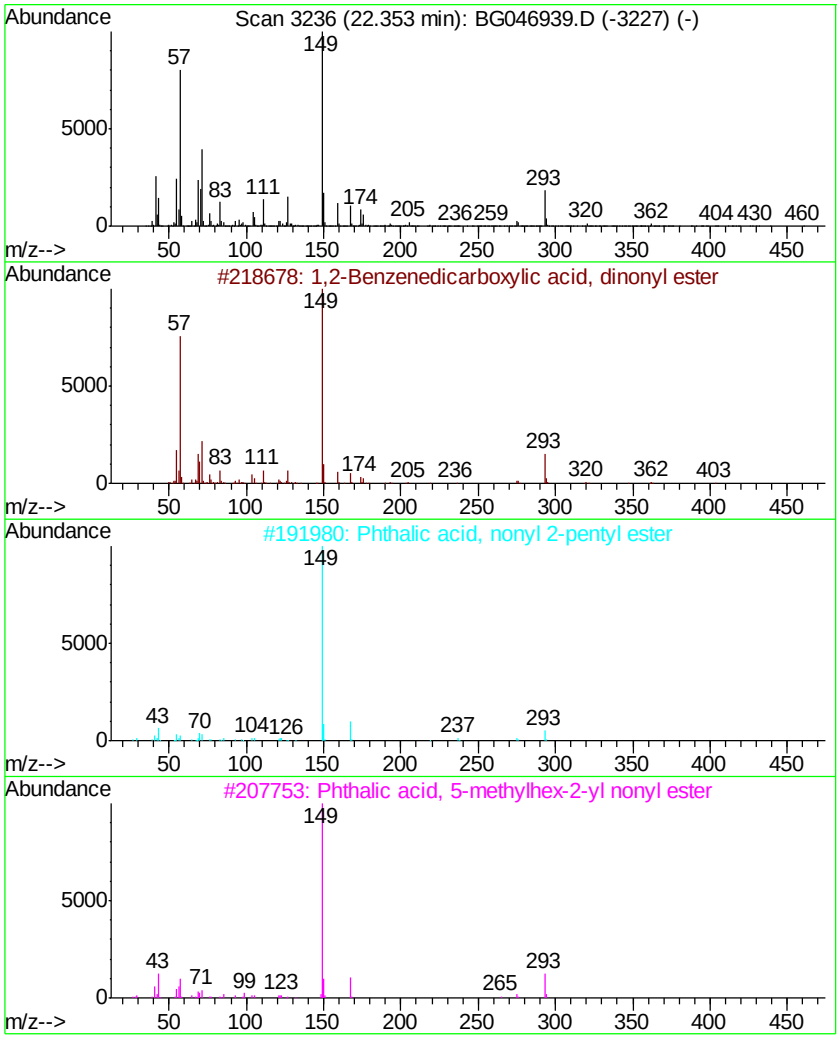
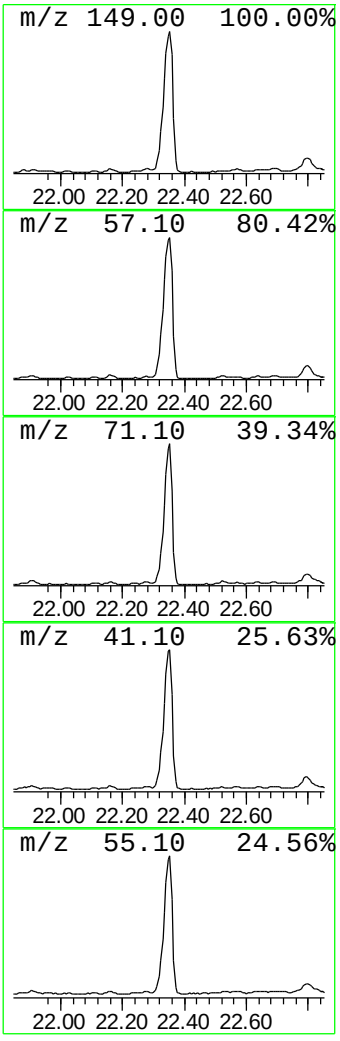
Peak Number 25 1,2-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.35	206.97 ng/ul	22349000	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	83
2	Phthalic acid, nonyl 2-pentyl ester	362	C22H34O4	1000315-48-1	50
3	Phthalic acid, 5-methylhex-2-yl ...	390	C24H38O4	1000371-08-5	47
4	Phthalic acid, 5-methylhex-2-yl ...	446	C28H46O4	1000371-08-1	43
5	Phthalic acid, 3-(2-methoxyethyl...	462	C28H46O5	1000315-40-8	43





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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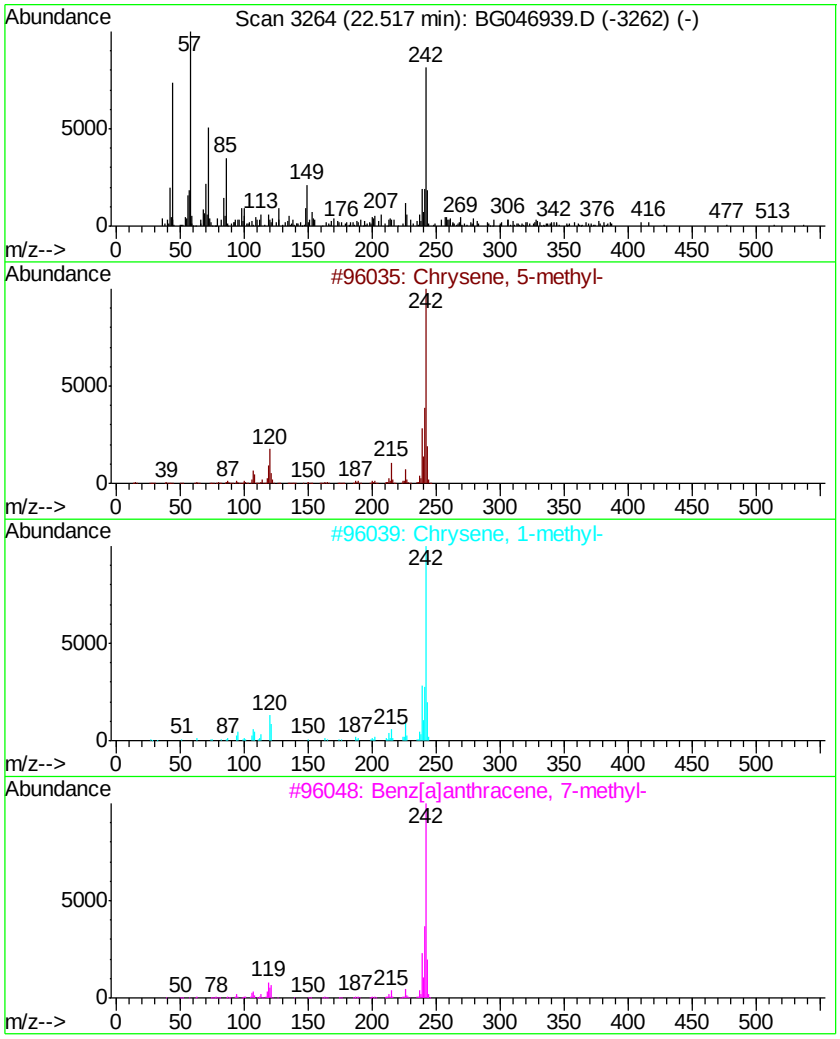
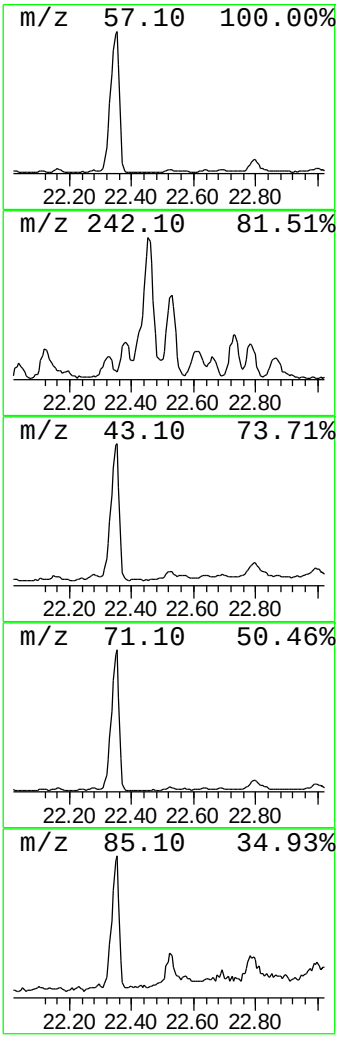
Peak Number 26 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	2.59 ng/ul	279564	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	38
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	30
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	30
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	30
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	30





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Operator : CG/JU
Sample : L4201-13
Misc :
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Instrument : BNA_G
ClientSampleId : C0AP3

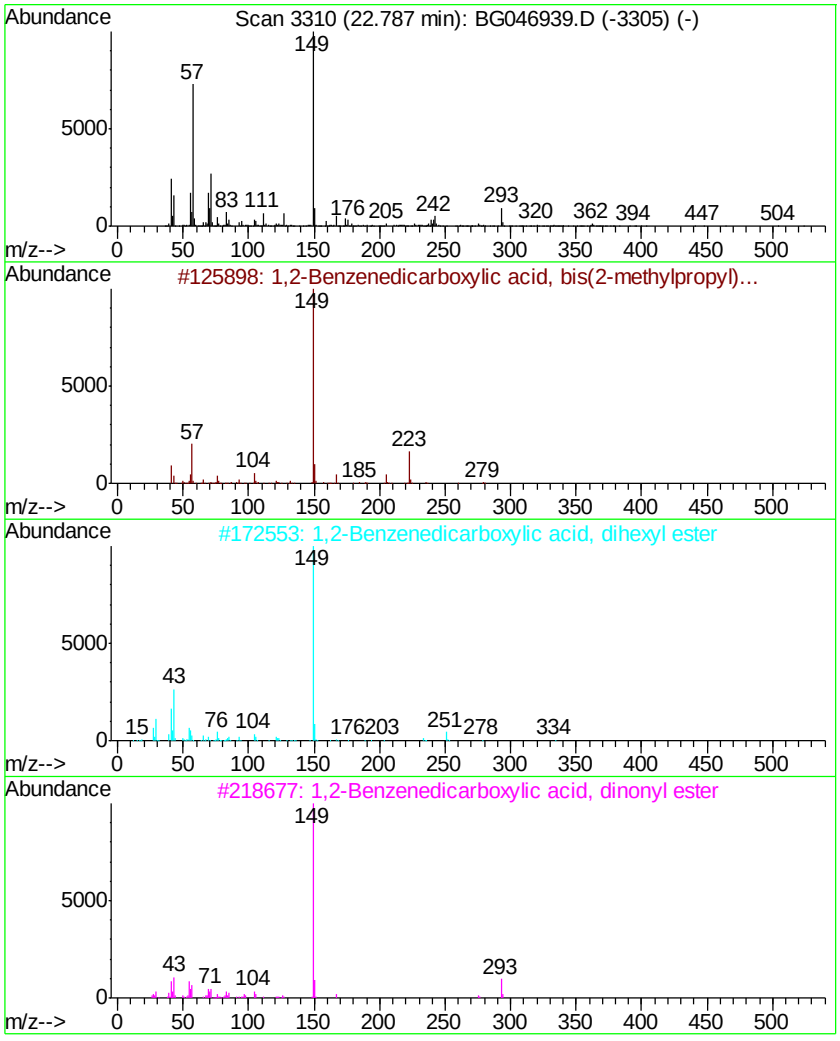
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

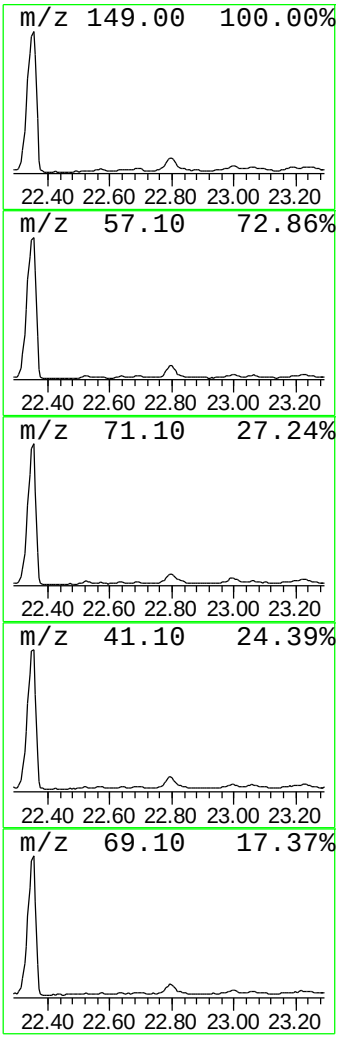
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1,2-Benzenedicarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.79	17.94 ng/ul	1937600	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	60
2	1,2-Benzenedicarboxylic acid, di...	334	C20H30O4	000084-75-3	55
3	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	53
4	Phthalic acid, 2-cyclohexylethyl...	402	C25H38O4	1000309-06-8	52
5	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	47





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Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

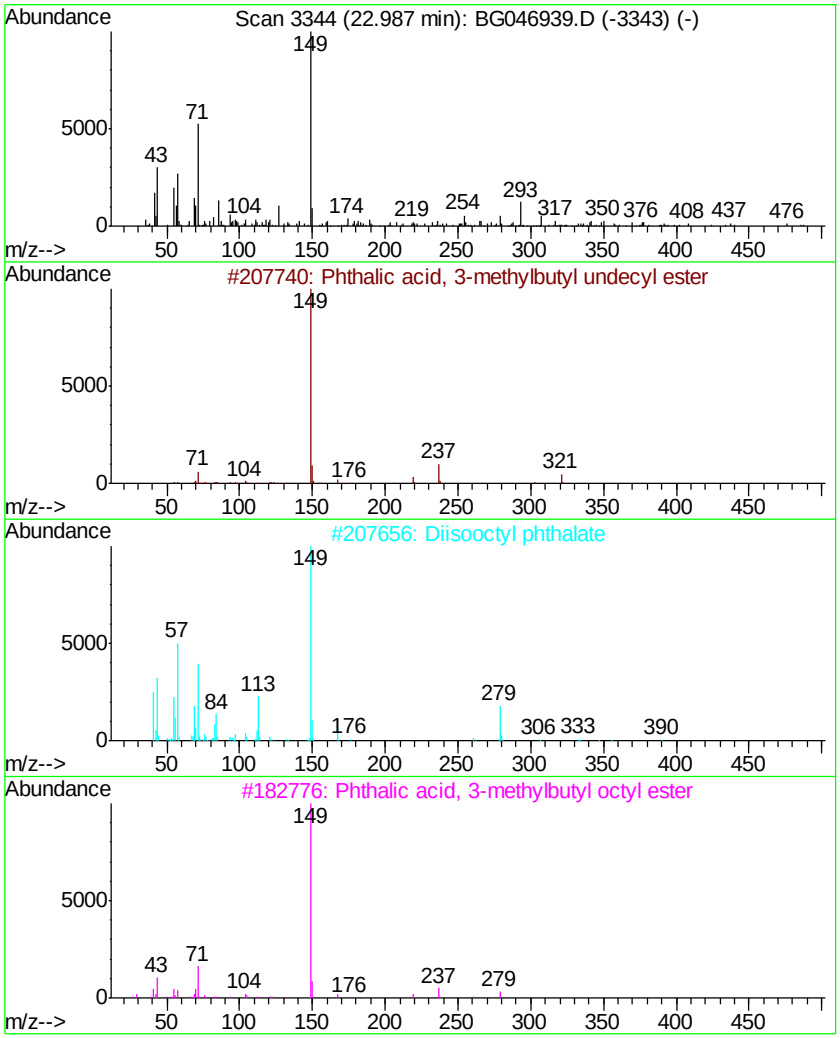
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

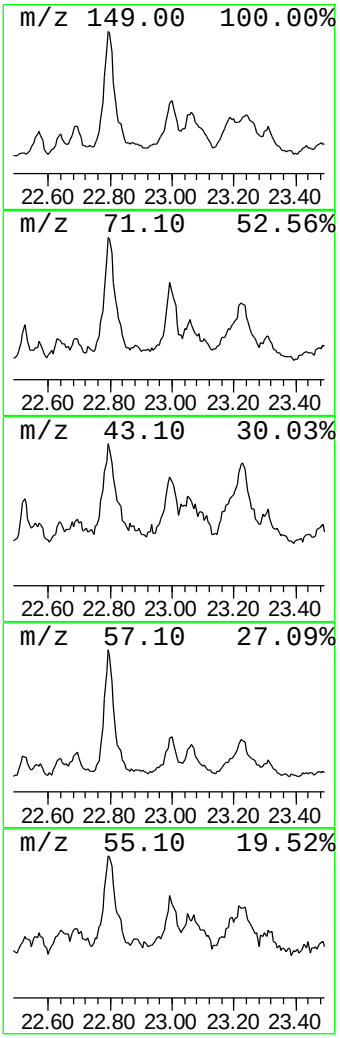
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Phthalic acid, 3-methylbuty... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	3.52 ng/ul	379792	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbutyl und...	390	C24H38O4	1000356-81-2	64
2	Diisooctyl phthalate	390	C24H38O4	000131-20-4	50
3	Phthalic acid, 3-methylbutyl oct...	348	C21H32O4	1000356-80-9	50
4	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	47
5	Benzaldehyde, 4-(4-bromo-3,5-dim...	322	C14H15BrN2O2	1000273-82-0	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

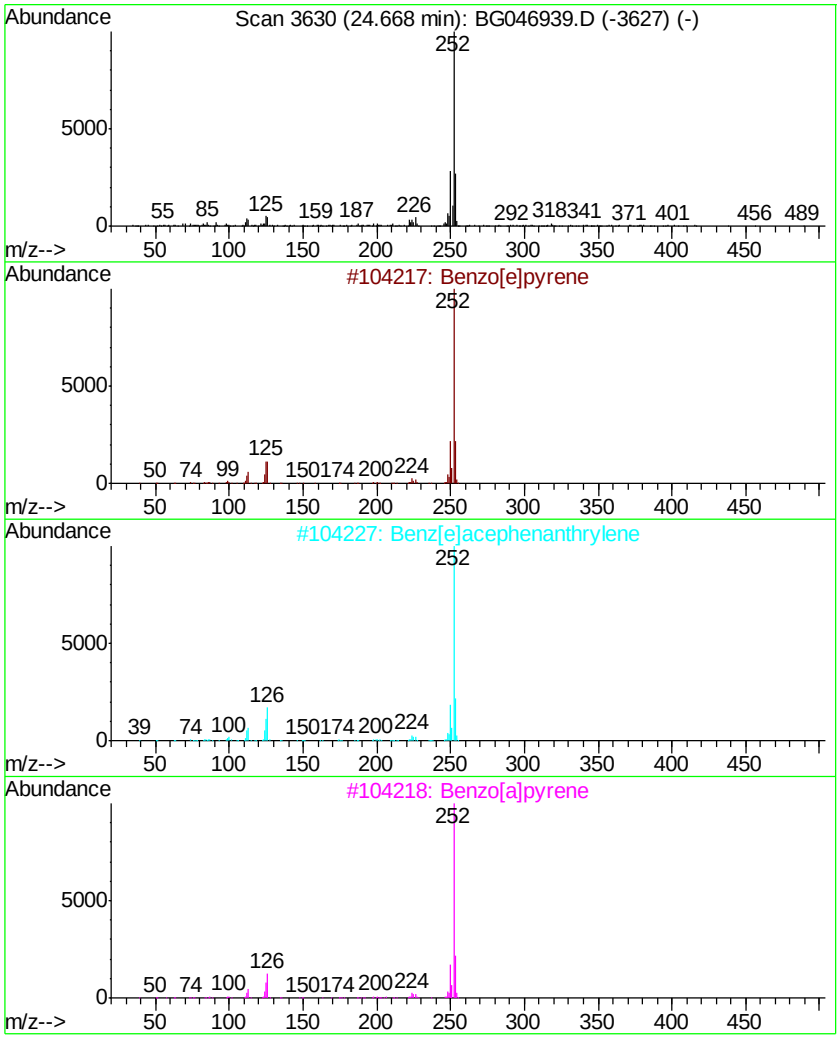
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

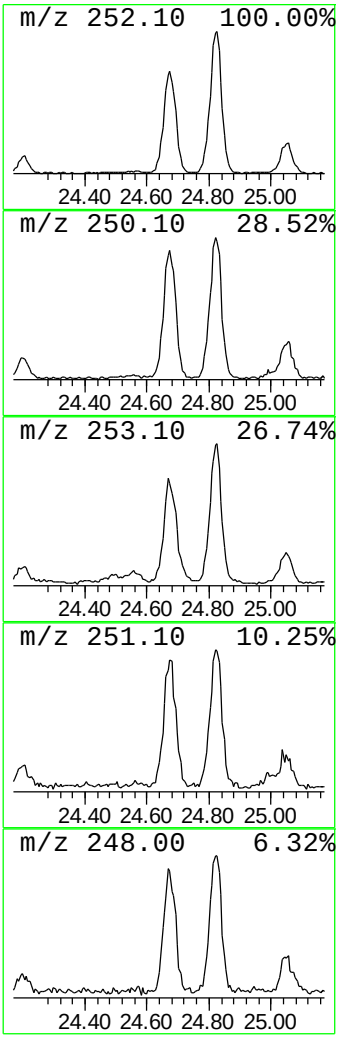
****

Peak Number 29 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	16.53 ng/ul	615008	Perylene-d12	24.98

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101720\
Data File : BG046939.D
Acq On : 17 Oct 2020 12:55
Operator : CG/JU
Sample : L4201-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.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
9H-Fluoren-9-one	17.09	4.2	ng/ul	194712	4	17.45	930869	20.0
Anthracene, 1,2,3...	17.19	2.6	ng/ul	119703	4	17.45	930869	20.0
Dibenzothiophene	17.26	2.4	ng/ul	110021	4	17.45	930869	20.0
Dibenzothiophene,...	18.02	2.2	ng/ul	103596	4	17.45	930869	20.0
n-Hexadecanoic acid	18.33	23.8	ng/ul	1106900	4	17.45	930869	20.0
4H-Cyclopenta[def...	18.52	15.4	ng/ul	718909	4	17.45	930869	20.0
Phenanthrene, 4-m...	18.55	6.4	ng/ul	296301	4	17.45	930869	20.0
Naphthalene, 2-ph...	18.82	6.5	ng/ul	300231	4	17.45	930869	20.0
Benzo[c]cinnoline	18.85	10.3	ng/ul	476856	4	17.45	930869	20.0
Anthracene, 2-ethyl-	19.06	2.3	ng/ul	108273	4	17.45	930869	20.0
Phenanthrene, 2,3...	19.23	8.8	ng/ul	408231	4	17.45	930869	20.0
Cyclopenta(def)ph...	19.37	7.0	ng/ul	327552	4	17.45	930869	20.0
Tetrachloro-o-ben...	19.56	2.0	ng/ul	95512	4	17.45	930869	20.0
Octadecanoic acid	19.59	3.3	ng/ul	350498	5	21.72	2159630	20.0
11H-Benzo[b]fluorene	20.19	3.7	ng/ul	402782	5	21.72	2159630	20.0
Fluoranthene, 2-m...	20.34	5.1	ng/ul	549758	5	21.72	2159630	20.0
Pyrene, 1-methyl-	20.64	2.2	ng/ul	236256	5	21.72	2159630	20.0
Pyrene, 2-methyl-	20.69	2.8	ng/ul	298968	5	21.72	2159630	20.0
11H-Benzo[a]fluor...	21.10	4.8	ng/ul	514336	5	21.72	2159630	20.0
unknown-01	21.35	5.0	ng/ul	536610	5	21.72	2159630	20.0
Benzo[ghi]fluoran...	21.38	7.5	ng/ul	808508	5	21.72	2159630	20.0
7H-Benz[de]anthra...	21.44	2.5	ng/ul	269722	5	21.72	2159630	20.0
Cyclopenta(cd)pyr...	21.91	8.5	ng/ul	919772	5	21.72	2159630	20.0
Phthalic acid, 2-...	22.16	4.8	ng/ul	515230	5	21.72	2159630	20.0
1,2-Benzenedicarb...	22.35	207.0	ng/ul	22349000	5	21.72	2159630	20.0
unknown-02	22.52	2.6	ng/ul	279564	5	21.72	2159630	20.0
1,2-Benzenedicarb...	22.79	17.9	ng/ul	1937600	5	21.72	2159630	20.0
Phthalic acid, 3-...	22.99	3.5	ng/ul	379792	5	21.72	2159630	20.0
Benzo[e]pyrene	24.67	16.5	ng/ul	615008	6	24.98	744098	20.0