LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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	7.224	653	661	670	rBV	59328	116588	0.99%	0.304%
2	7.388	683	689	696	rBV	50659	81970	0.70%	0.214%
3	7.600	719	725	732	rBV2	61729	111847	0.95%	0.292%
4	8.070	797	805	813	rBV	212387	350572	2.99%	0.914%
5	8.763	917	923	934	rVB3	65790	119818	1.02%	0.312%
6	9.227	995	1002	1010	rBV2	68317	116378	0.99%	0.303%
7	9.956	1119	1126	1133	rBV2	57451	108580	0.93%	0.283%
8	10.496	1209	1218	1226	rBV2	81050	152522	1.30%	0.398%
9	10.878	1276	1283	1290	rBV	287946	515643	4.40%	1.344%
10	11.007	1298	1305	1313	rBV2	27382	57240	0.49%	0.149%
11	12.529	1559	1564	1568	rBV4	9004	13431	0.11%	0.035%
12	12.746	1595	1601	1607	rBV3	6153	12537	0.11%	0.033%
13	14.021	1811	1818	1822	rBV4	10377	19785	0.17%	0.052%
14	14.092	1822	1830	1834	rVV	196534	287862	2.46%	0.751%
15	14.139	1834	1838	1848	rVB	65400	99489	0.85%	0.259%
16	14.392	1874	1881	1891	rVB	188808	310729	2.65%	0.810%
17	14.697	1925	1933	1939	rBV2	506072	774228	6.61%	2.019%
18	14.762	1939	1944	1949	rVB	111243	171268	1.46%	0.447%
19	14.879	1959	1964	1977	rBV4	42165	89779	0.77%	0.234%
20	15.009	1982	1986	1988	rVV2	7059	12296	0.10%	0.032%
21	15.091	1995	2000	2007	rVV3	22855	39570	0.34%	0.103%
22	15.173	2008	2014	2017	rVV3	9155	13003	0.11%	0.034%
23	15.496	2059	2069	2075	rBV	39401	78310	0.67%	0.204%
24	15.684	2095	2101	2106	rBV	265106	396701	3.39%	1.034%
25	15.737	2106	2110	2115	rVV	37877	55413	0.47%	0.144%
26	15.796	2115	2120	2125	rVV2	67843	99345	0.85%	0.259%
27	15.866	2129	2132	2135	rVV	15622	13523	0.12%	0.035%
28	15.908	2135	2139	2143	rVV7	20741	27947	0.24%	0.073%
29	16.031	2157	2160	2167	rVB6	14193	23458	0.20%	0.061%
30	16.190	2180	2187	2189	rBV7	8617	14141	0.12%	0.037%
31	16.272	2192	2201	2205	rVB6	17161	36579	0.31%	0.095%
32	16.407	2218	2224	2230	rVB9	20398	38611	0.33%	0.101%
33	16.712	2271	2276	2277	rBV4	12781	19899	0.17%	0.052%
34	16.742	2279	2281	2284	rVB4	14432	15058	0.13%	0.039%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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	16.783	2284	2288	2292	rBV3	33006	49108	0.42%	0.128%
36	16.824	2292	2295	2299	rVB3	9360	15166	0.13%	0.040%
37	16.895	2305	2307	2312	rVB6	12056	14201	0.12%	0.037%
38	16.953	2312	2317	2318	rBV4	9870	15391	0.13%	0.040%
39	17.012	2323	2327	2330	rVB5	13849	16196	0.14%	0.042%
40	17.088	2336	2340	2349	rBV	57246	92786	0.79%	0.242%
41	17.194	2351	2358	2363	rVV5	29375	61112	0.52%	0.159%
42	17.259	2364	2369	2377	rVB2	33924	61082	0.52%	0.159%
43	17.441	2394	2400	2403	rBV	618216	918566	7.84%	2.395%
44	17.482	2403	2407	2412	rVV	1072660	1533393	13.09%	3.998%
45	17.535	2412	2416	2421	rVV2	251641	408823	3.49%	1.066%
46	17.570	2421	2422	2427	rVB	53857	53373	0.46%	0.139%
47	17.752	2451	2453	2458	rVB6	17003	20881	0.18%	0.054%
48	17.841	2464	2468	2471	rBV2	24183	32217	0.27%	0.084%
49	17.958	2485	2488	2493	rVB	32042	37677	0.32%	0.098%
50	18.023	2494	2499	2504	rBV2	34929	53140	0.45%	0.139%
51	18.170	2519	2524	2525	rBV4	13676	19990	0.17%	0.052%
52	18.240	2532	2536	2539	rBV6	11871	13782	0.12%	0.036%
53	18.316	2544	2549	2553	rBV2	366641	527011	4.50%	1.374%
54	18.363	2553	2557	2560	rVV	167268	268401	2.29%	0.700%
55	18.393	2560	2562	2566	rVV	117111	129405	1.10%	0.337%
56	18.440	2568	2570	2574	rVV3	21382	27040	0.23%	0.071%
57	18.504	2575	2581	2585	rVV3	200728	383219	3.27%	0.999%
58	18.546	2585	2588	2595	rVB	107561	157079	1.34%	0.410%
59	18.616	2596	2600	2604	rBV7	20056	30841	0.26%	0.080%
60	18.810	2628	2633	2636	rBV	122203	173452	1.48%	0.452%
61	18.845	2636	2639	2648	rVV	153692	246076	2.10%	0.642%
62	18.933	2651	2654	2659	rVB3	21669	35982	0.31%	0.094%
63	19.027	2666	2670	2671	rBV4	21876	27201	0.23%	0.071%
64	19.057	2671	2675	2680	rVV5	58165	98828	0.84%	0.258%
65	19.104	2680	2683	2687	rVV2	32844	48012	0.41%	0.125%
66	19.139	2687	2689	2692	rVV3	19139	20769	0.18%	0.054%
67	19.227	2699	2704	2709	rBV3	119571	222351	1.90%	0.580%
68	19.362	2722	2727	2734	rBV	116890	197477	1.69%	0.515%
69	19.492	2743	2749	2754	rVB	1515403	2126834	18.15%	5.545%
70	19.544	2755	2758	2761	rBV4	48573	52900	0.45%	0.138%
71	19.586	2761	2765	2769	rBV4	124337	157654	1.35%	0.411%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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	19.680	2778	2781	2786	rBV4	43060	58117	0.50%	0.152%
73	19.727	2787	2789	2793	rVB2	27610	34637	0.30%	0.090%
74	19.821	2800	2805	2806	rBV2	499865	590462	5.04%	1.540%
75	19.856	2806	2811	2817	rVB	2100419	3243003	27.67%	8.456%
76	20.185	2860	2867	2872	rBV4	84140	187856	1.60%	0.490%
77	20.332	2889	2892	2897	rVB3	167325	273622	2.34%	0.713%
78	20.496	2916	2920	2923	rBV	102403	135583	1.16%	0.354%
79	20.531	2924	2926	2930	rVB2	50217	50667	0.43%	0.132%
80	20.637	2941	2944	2947	rBV	94032	110638	0.94%	0.288%
81	20.684	2948	2952	2955	rVB	123782	154770	1.32%	0.404%
82	21.096	3016	3022	3029	rVB3	128434	275292	2.35%	0.718%
83	21.342	3060	3064	3066	rBV4	139692	222351	1.90%	0.580%
84	21.372	3067	3069	3075	rVB2	273421	388255	3.31%	1.012%
85	21.436	3077	3080	3082	rBV	60615	70173	0.60%	0.183%
86	21.589	3102	3106	3112	rVB	415568	547175	4.67%	1.427%
87	21.707	3118	3126	3131	rBV2	711038	1654759	14.12%	4.314%
88	21.754	3131	3134	3142	rVB	360657	593457	5.06%	1.547%
89	21.865	3151	3153	3156	rBV3	55323	74920	0.64%	0.195%
90	21.906	3156	3160	3168	rVB3	257711	482796	4.12%	1.259%
91	22.147	3198	3201	3211	rVB2	124131	246111	2.10%	0.642%
92	22.329	3224	3232	3242	rVB	6735085	11718177	100.00%	30.553%
93	22.512	3260	3263	3267	rBV4	80365	119737	1.02%	0.312%
94	22.782	3303	3309	3320	rVB	468548	1023703	8.74%	2.669%
95	22.987	3340	3344	3349	rVB	155071	251780	2.15%	0.656%
96	23.922	3497	3503	3511	rBV	208761	617382	5.27%	1.610%
97	24.650	3622	3627	3634	rVB	156950	323155	2.76%	0.843%
98	24.797	3647	3652	3661	rVB	221679	542982	4.63%	1.416%
99	24.956	3671	3679	3689	rBV3	320129	959110	8.18%	2.501%
100	29.791	4493	4502	4517	rVB	151391	661480	5.64%	1.725%

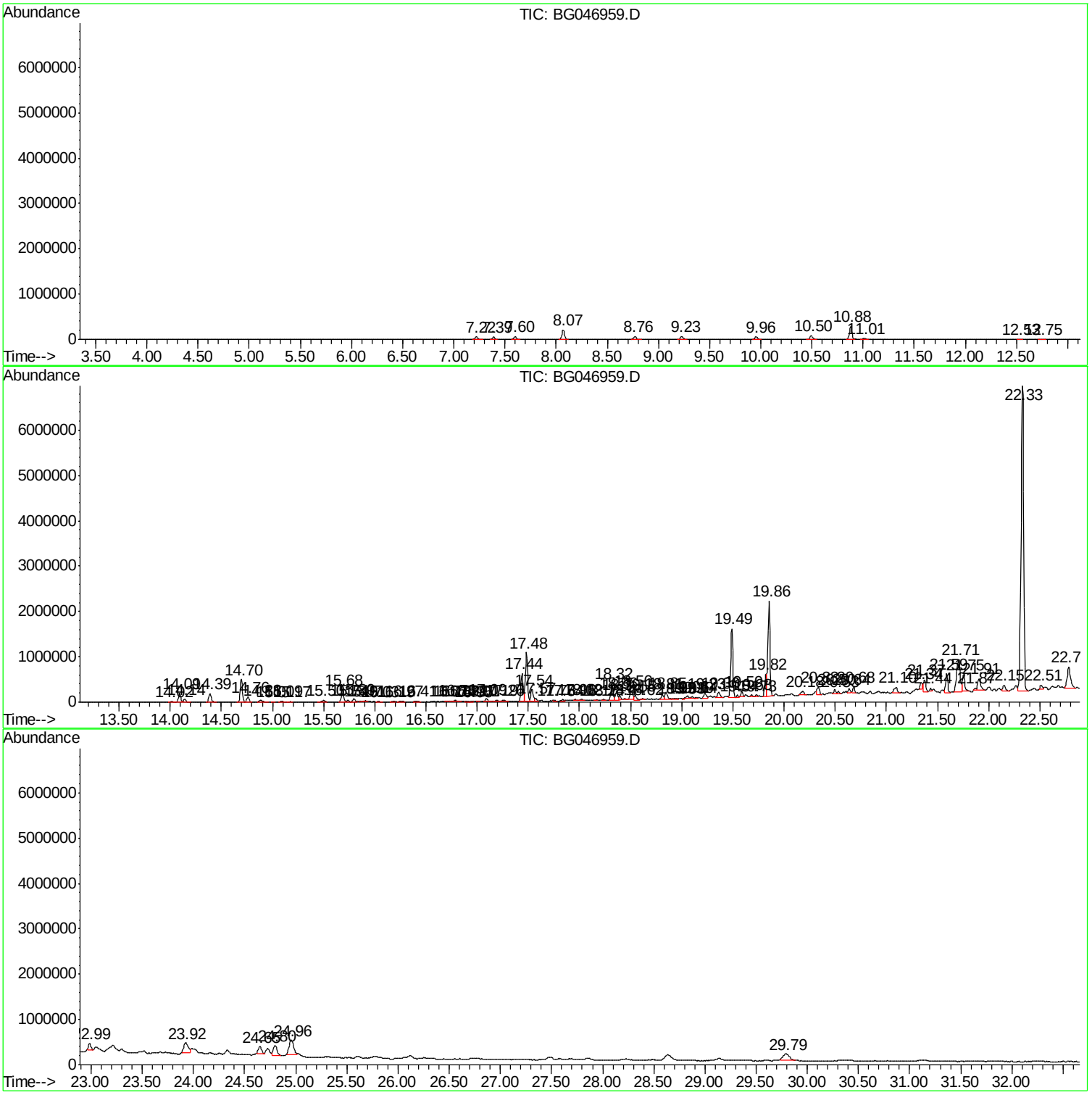
Sum of corrected areas: 38353686

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AP3DL

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 : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

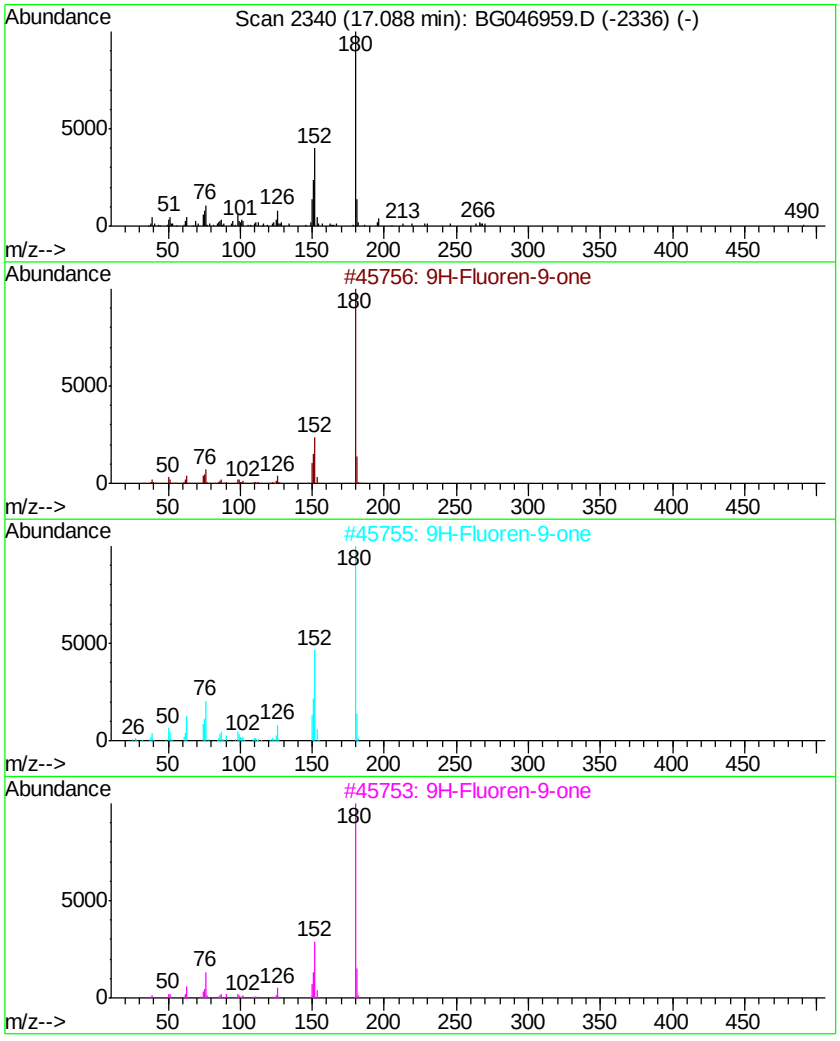
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

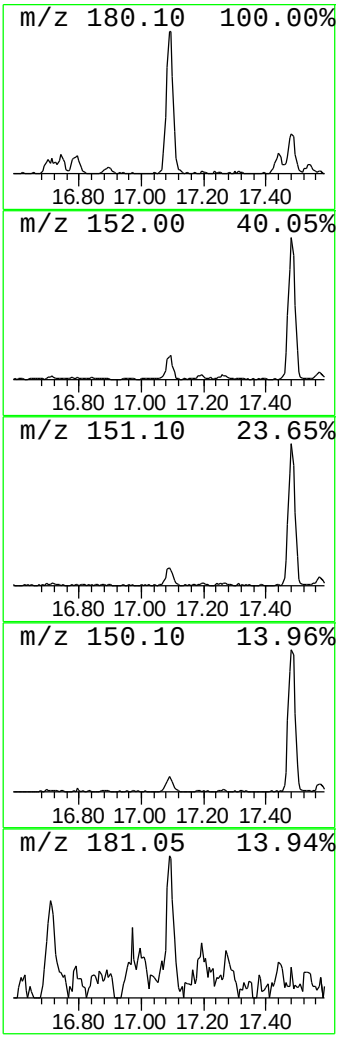
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	2.02 ng/ul	92786	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

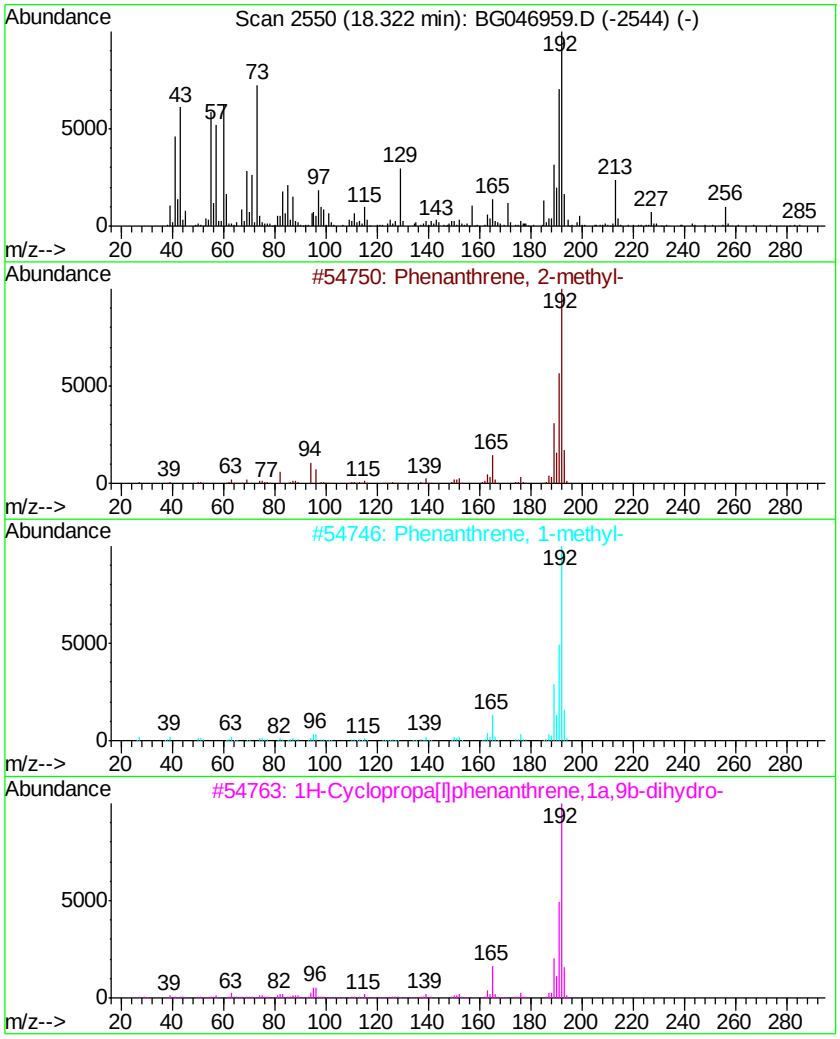
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

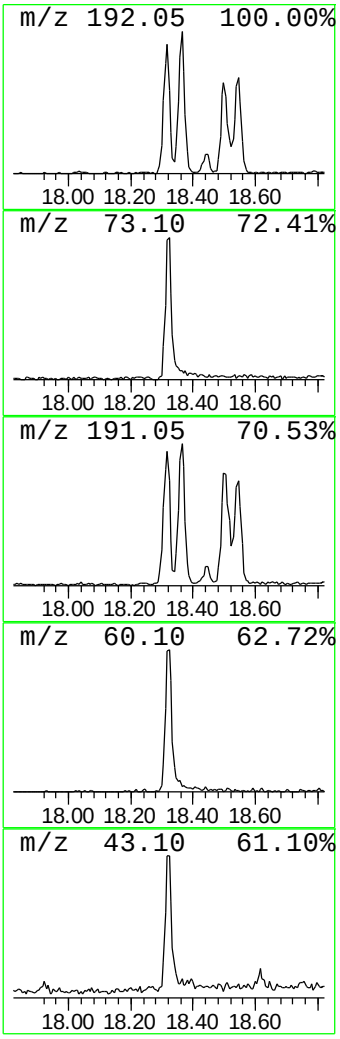
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	11.47 ng/ul	527011	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

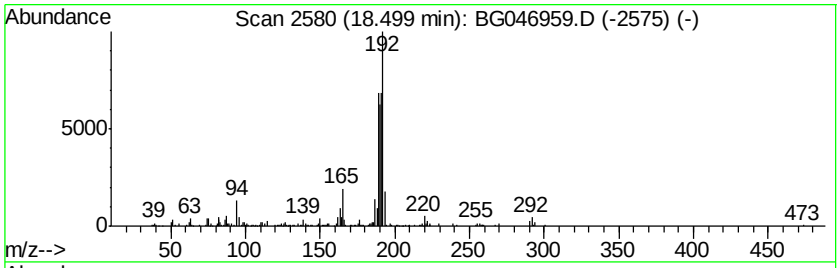
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

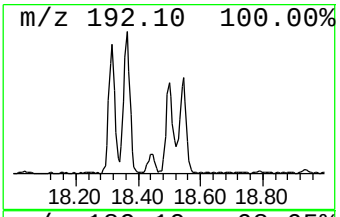
****

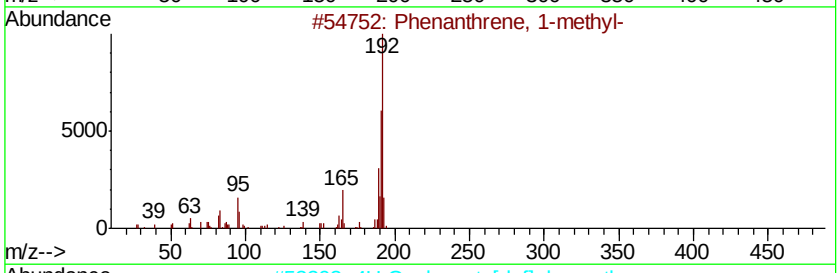
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

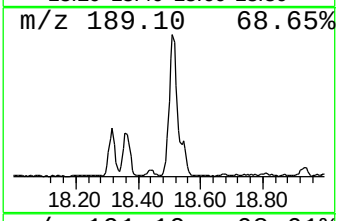
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	8.34 ng/ul	383219	Phenanthrene-d10	17.44

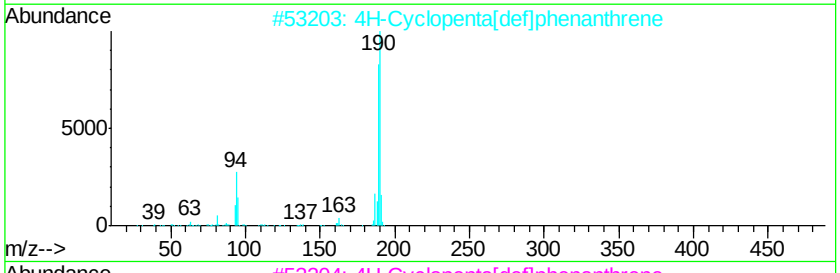
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35

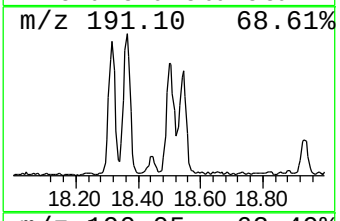


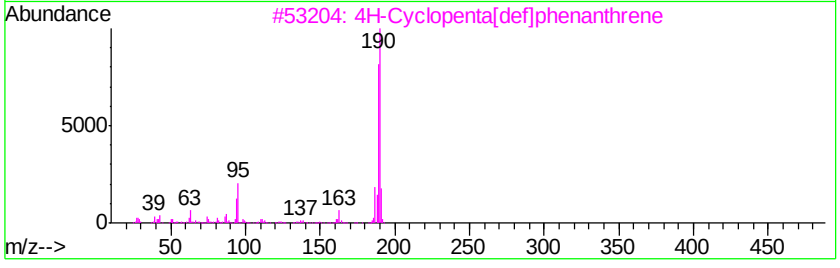


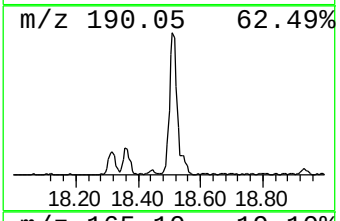


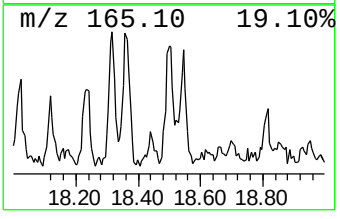












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

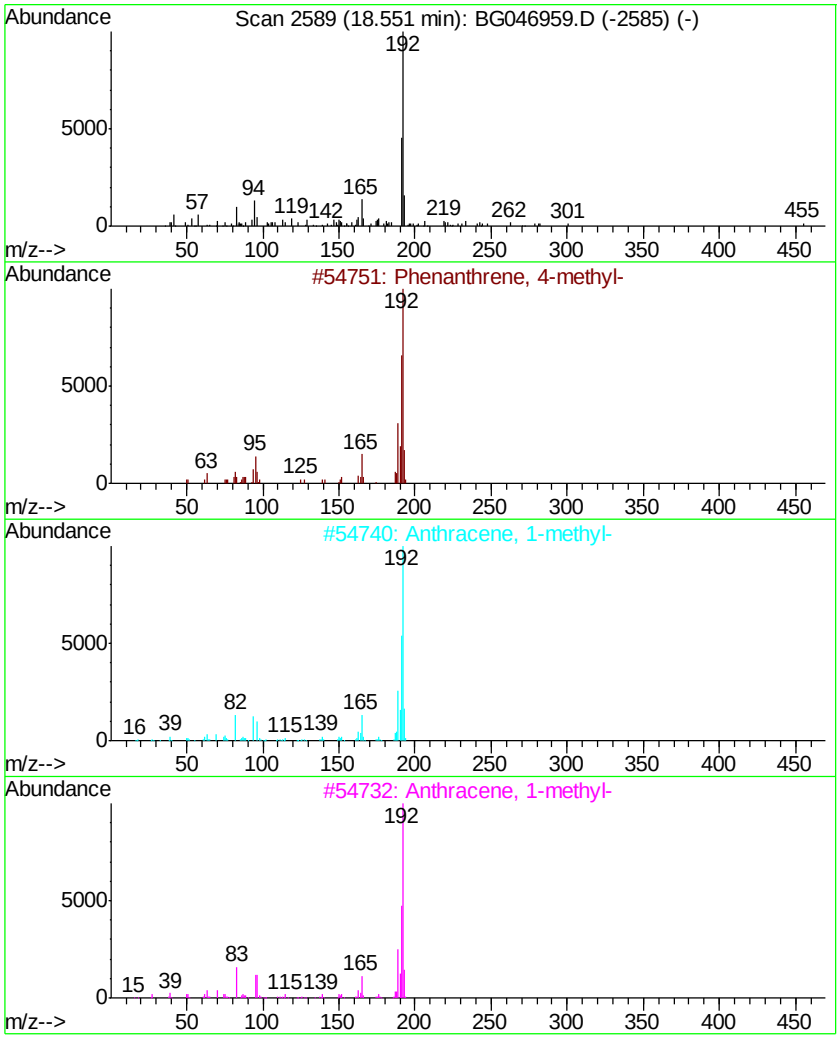
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

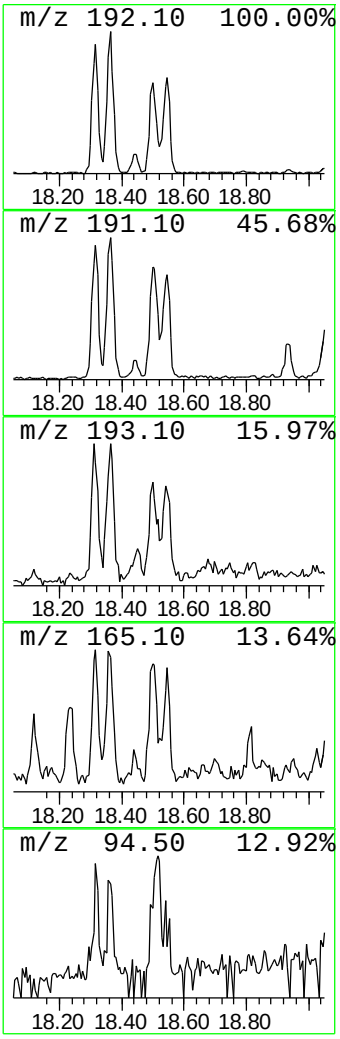
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.42 ng/ul	157079	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

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Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

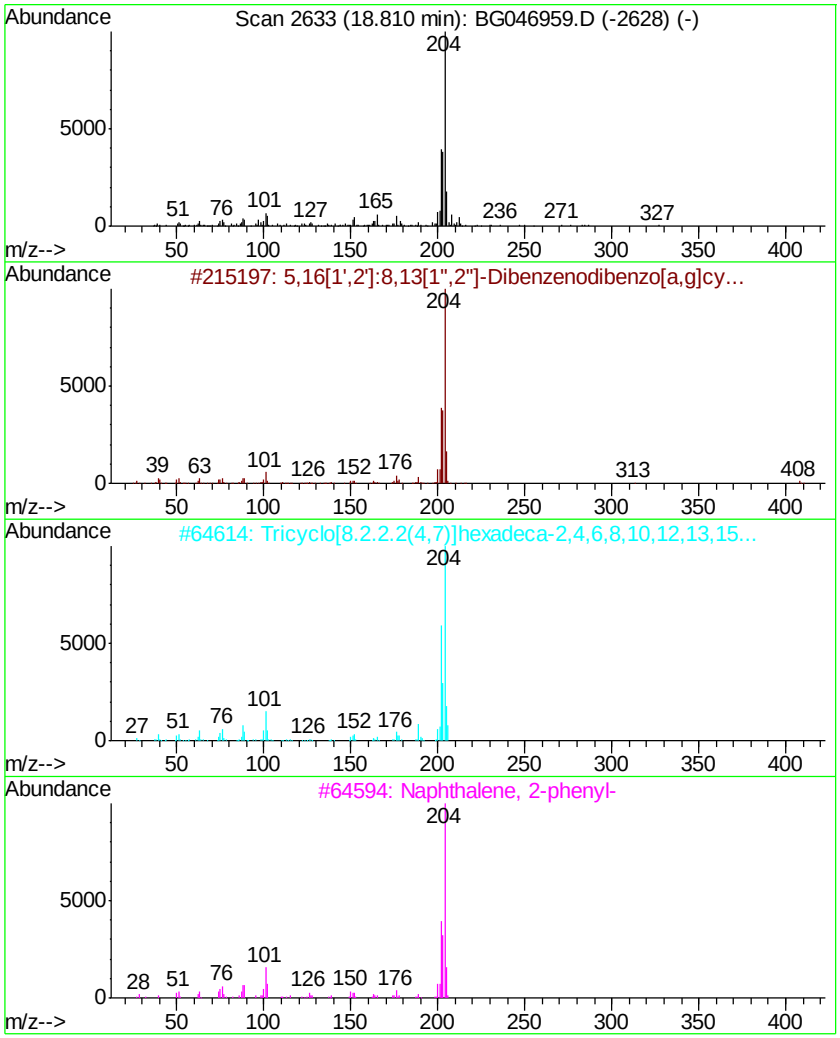
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

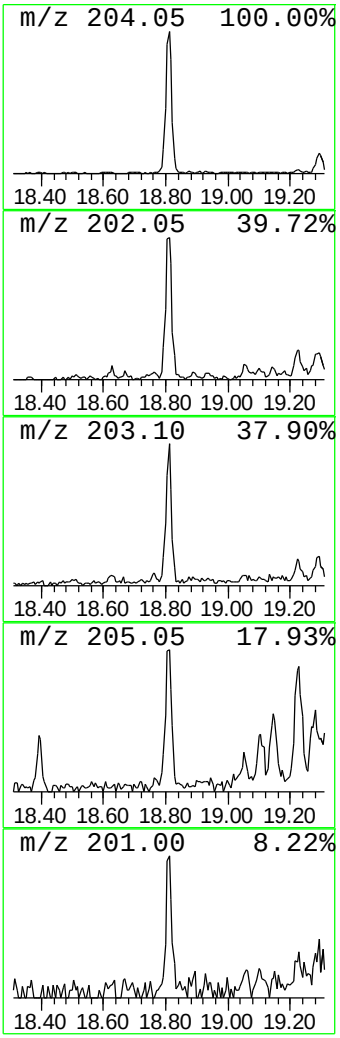
****

Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.78 ng/ul	173452	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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Quant Title : SVOA CALIBRATION

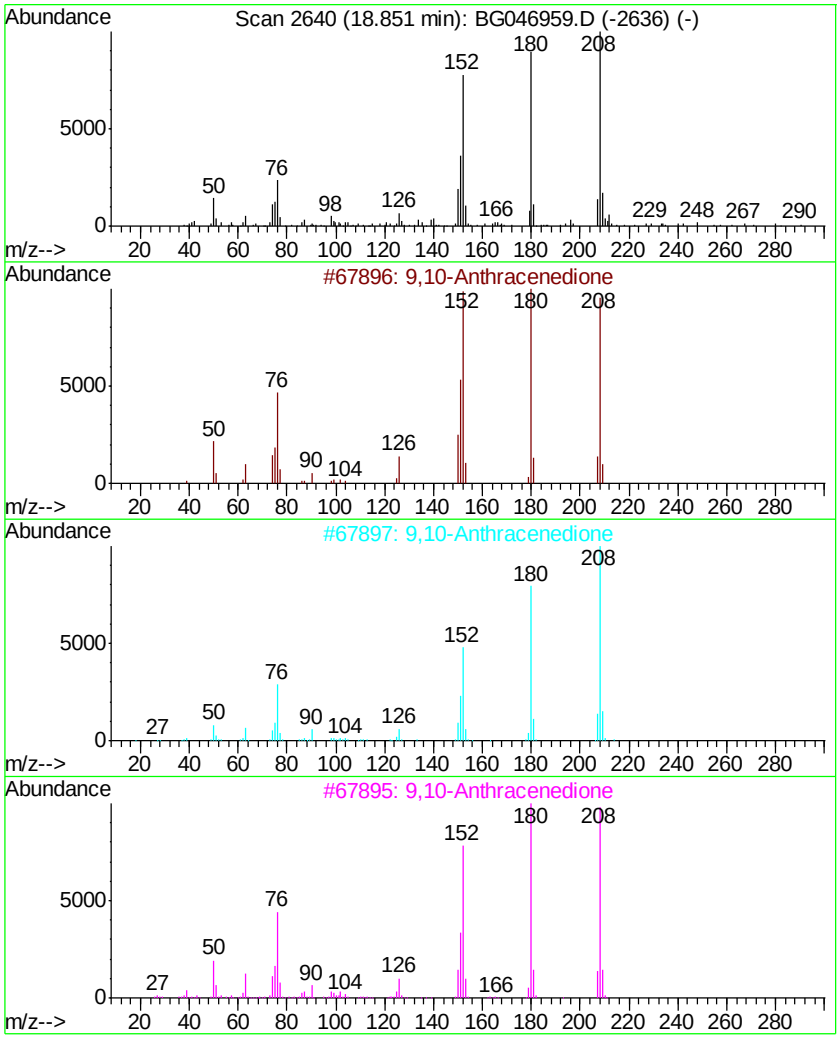
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

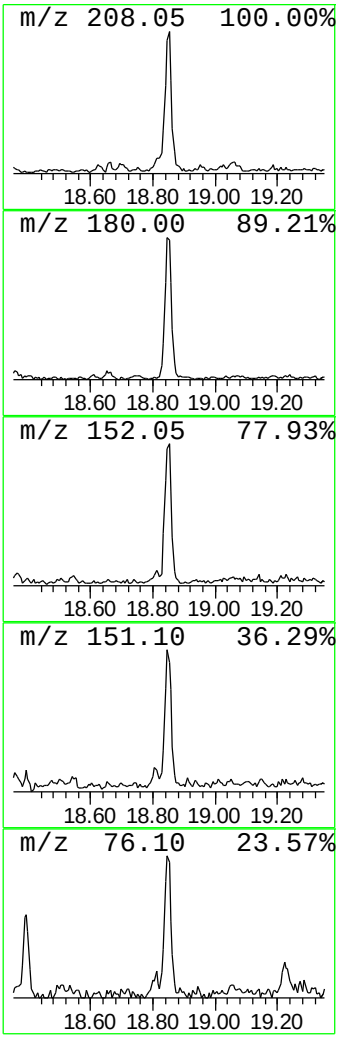
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.36 ng/ul	246076	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	74
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





Library Search Compound Report

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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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

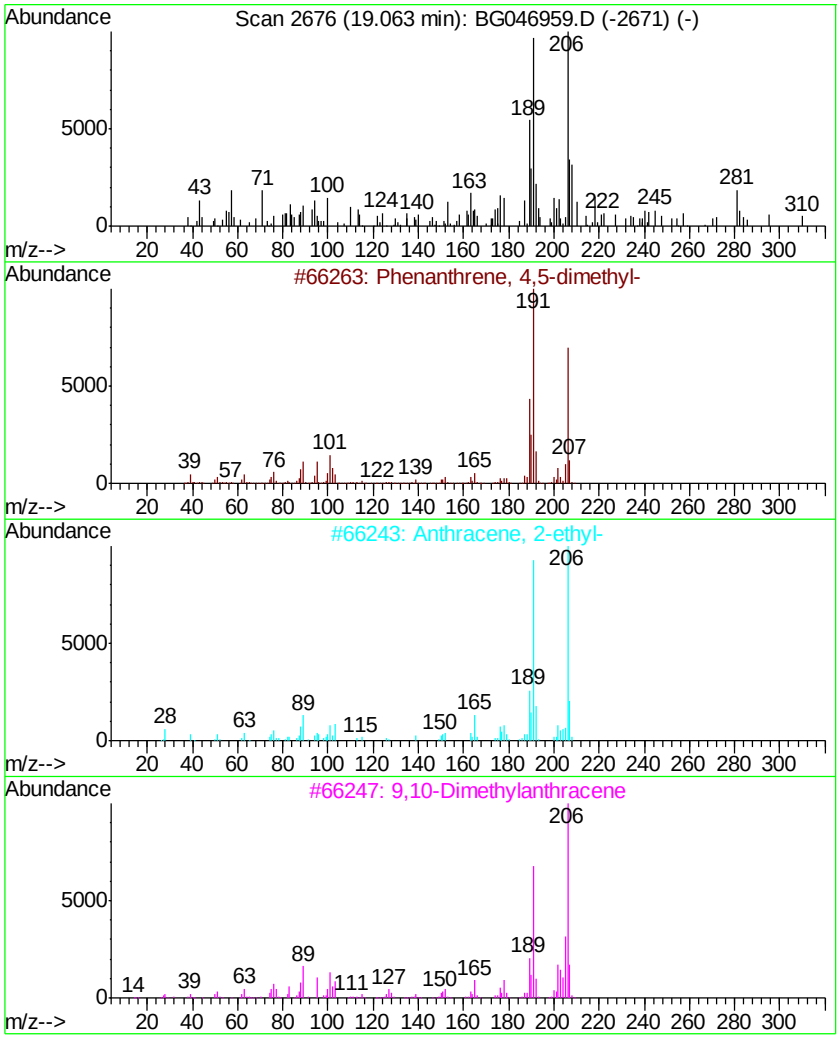
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

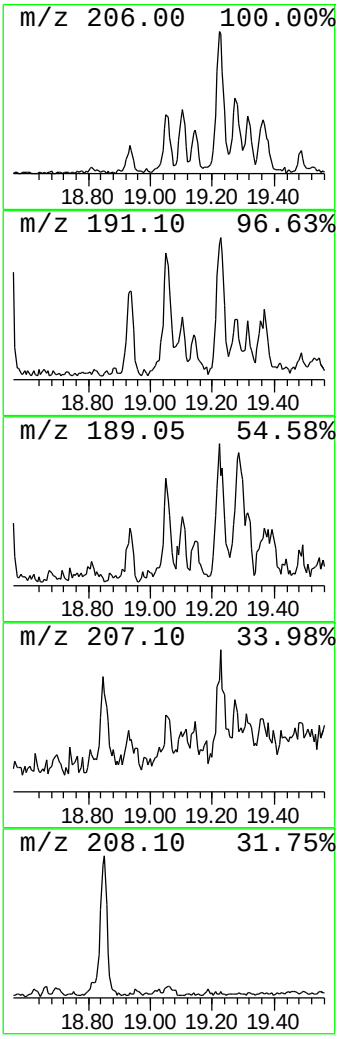
****

Peak Number 7 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.15 ng/ul	98828	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	70





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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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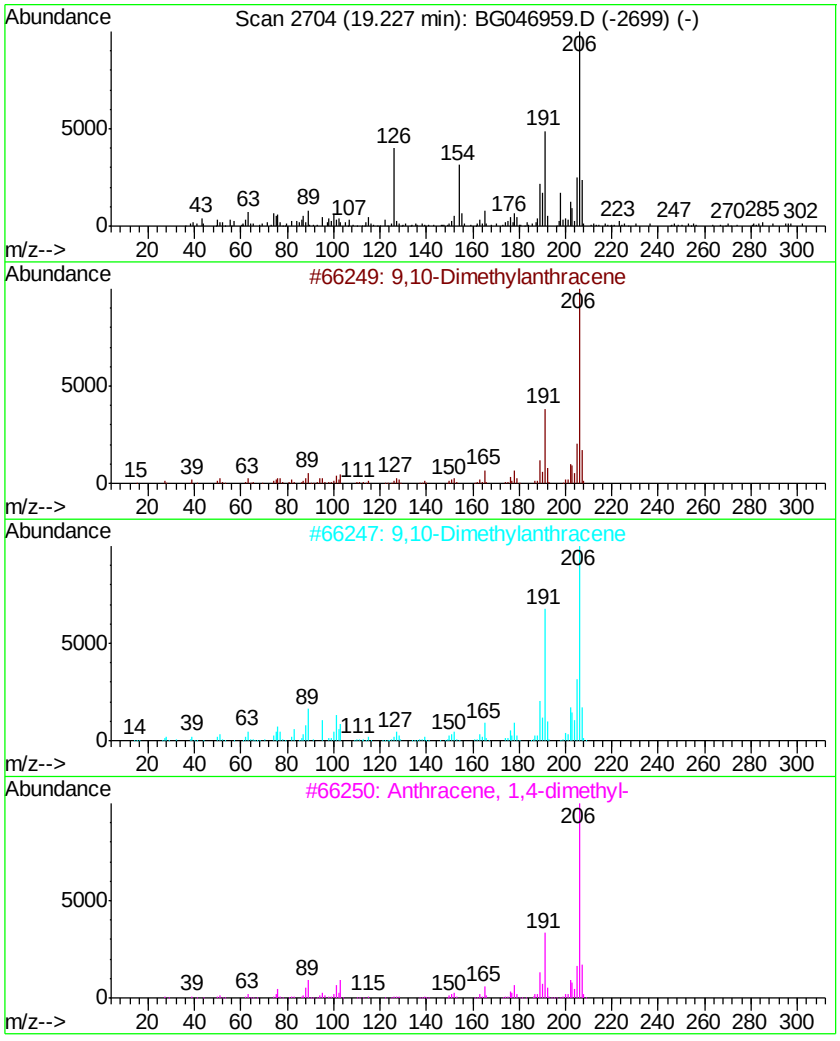
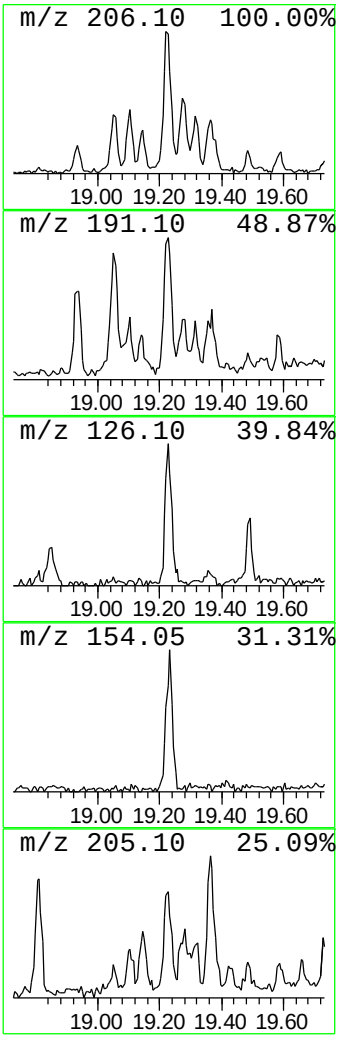
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.84 ng/ul	222351	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	58
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	55
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55





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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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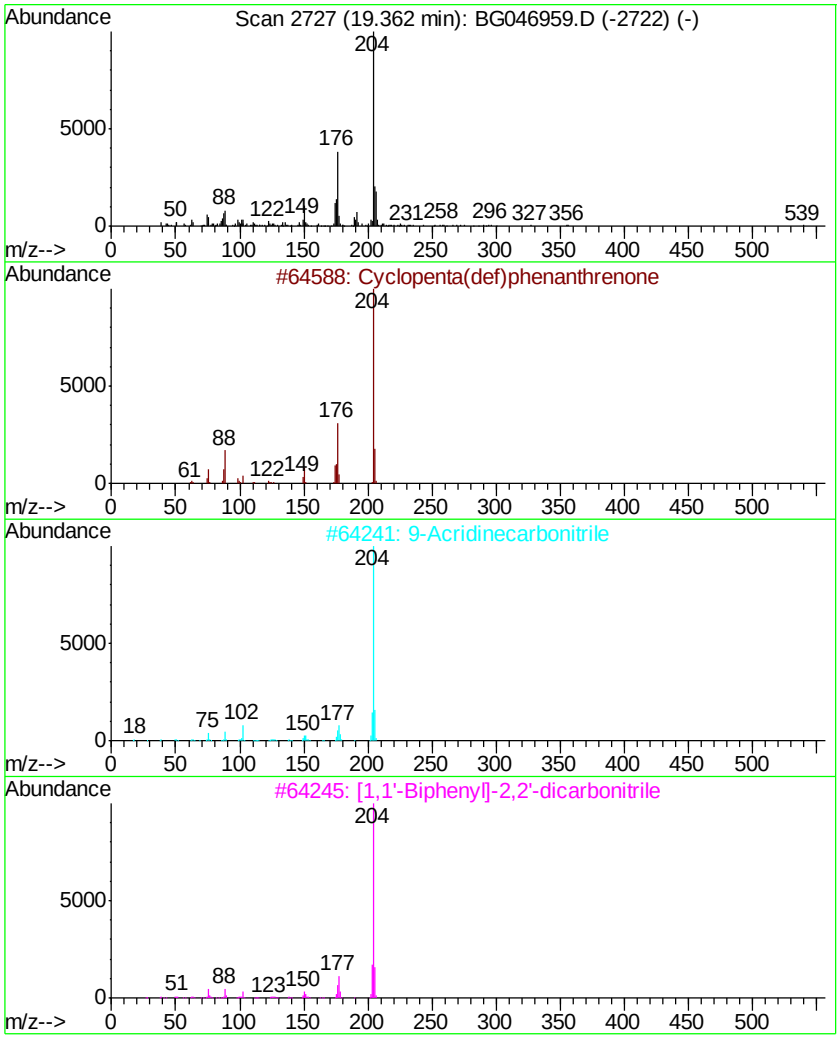
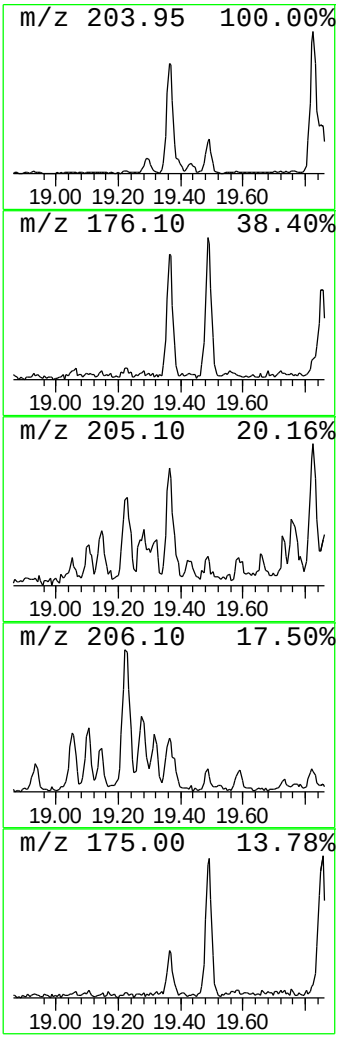
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.30 ng/ul	197477	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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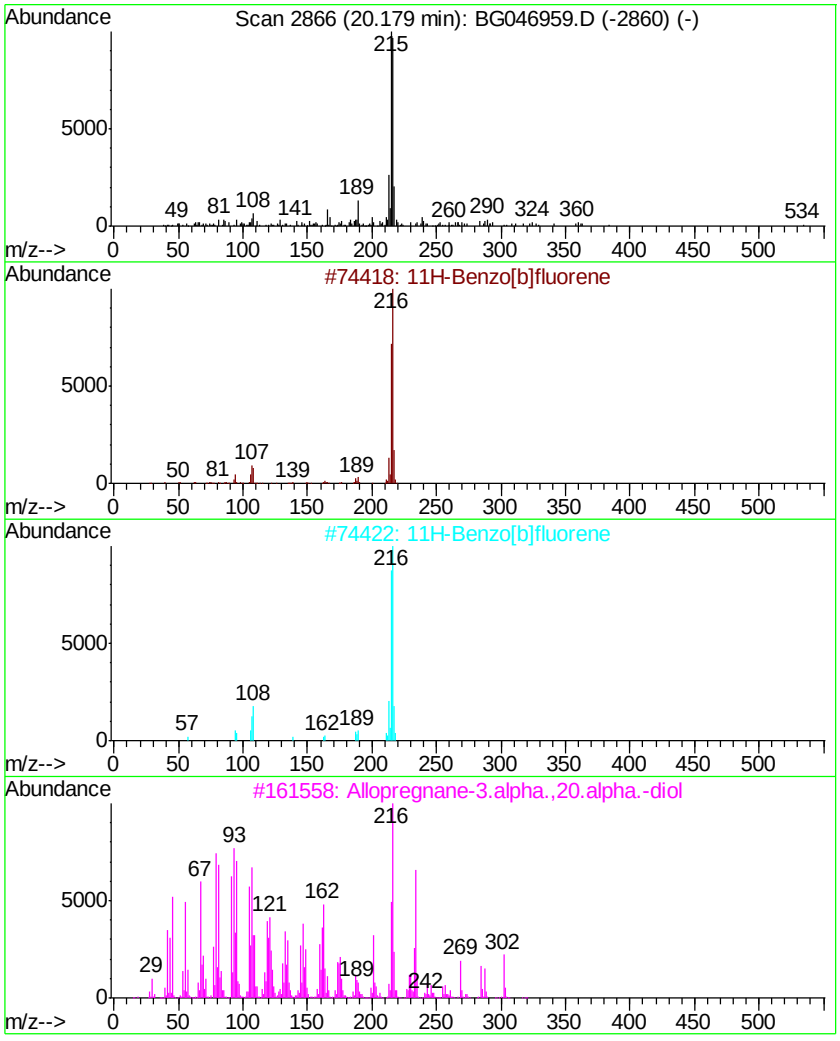
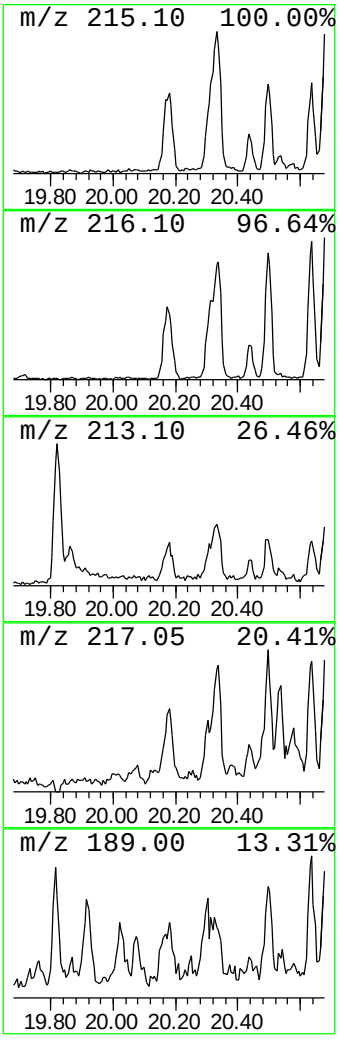
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.27 ng/ul	187856	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	72
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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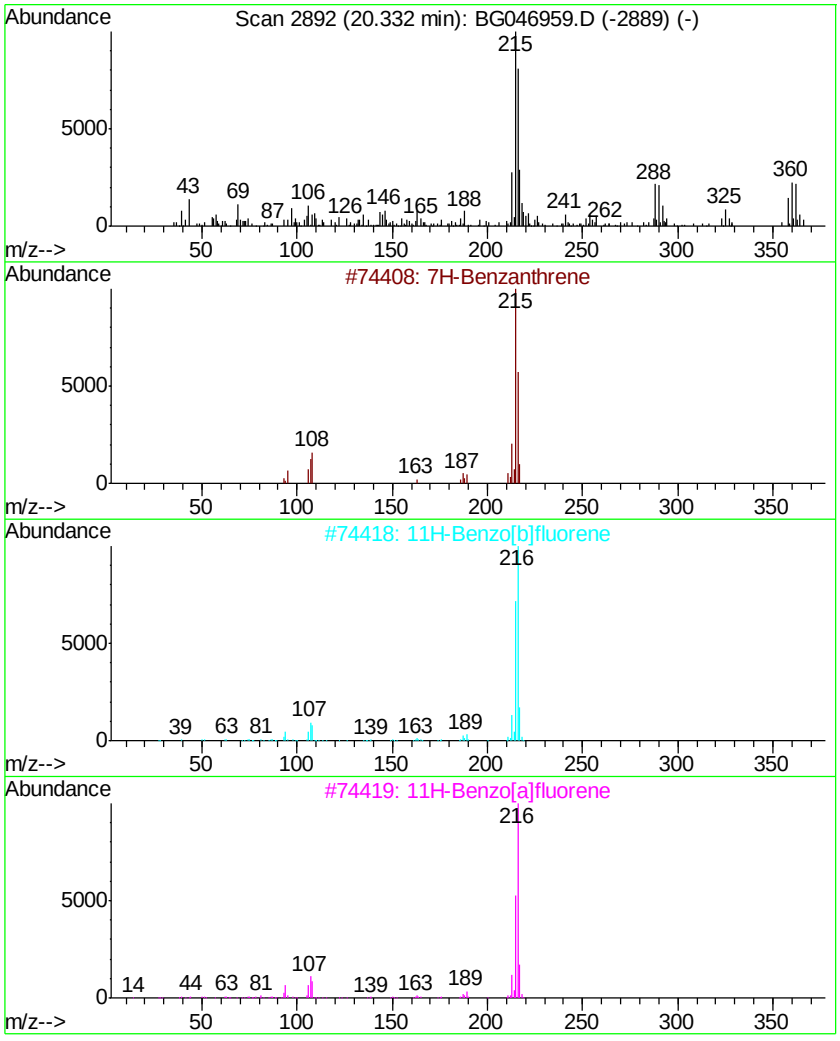
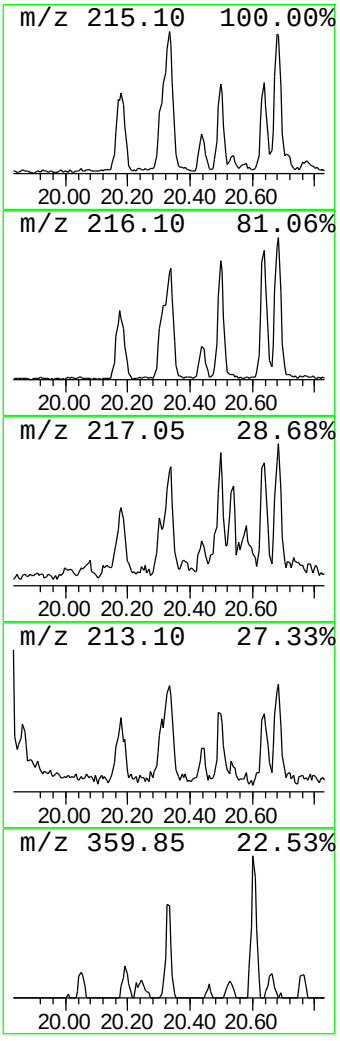
Peak Number 11 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	3.31 ng/ul	273622	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzanthrene	216	C17H12	000199-94-0	37
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	35
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	35
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	27
5	4,6-Dimethoxy-1-naphthaldehyde	216	C13H12O3	065565-33-5	25





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Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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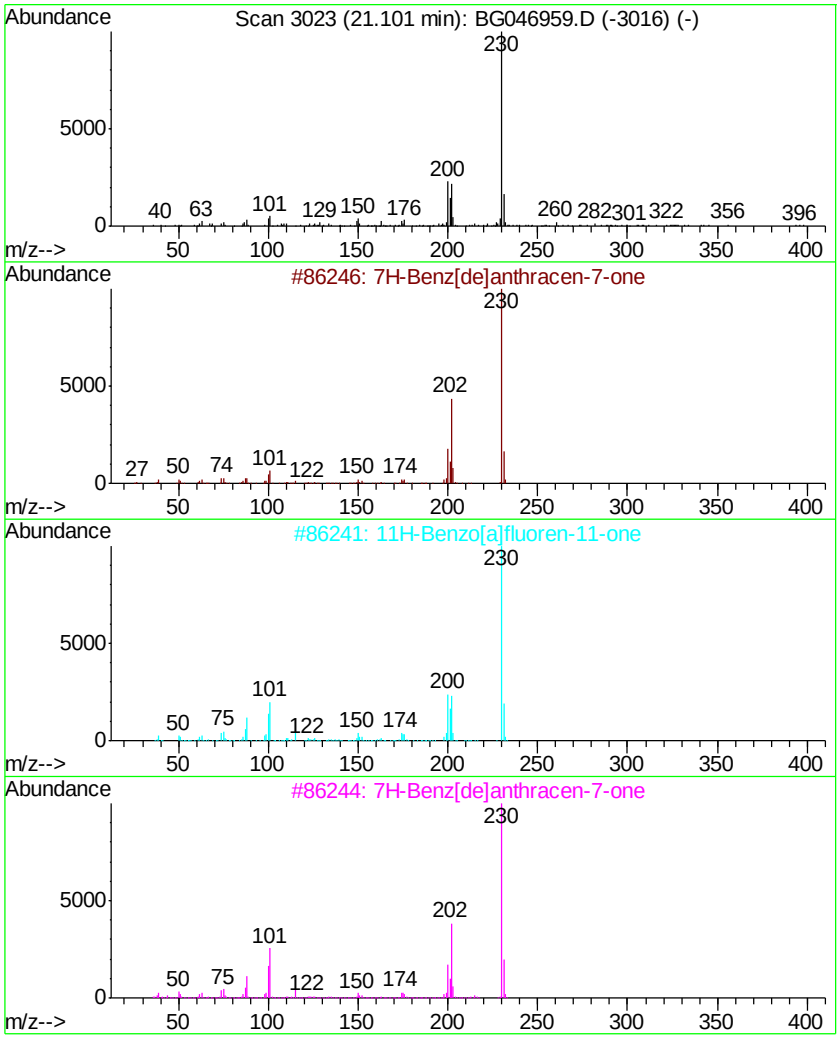
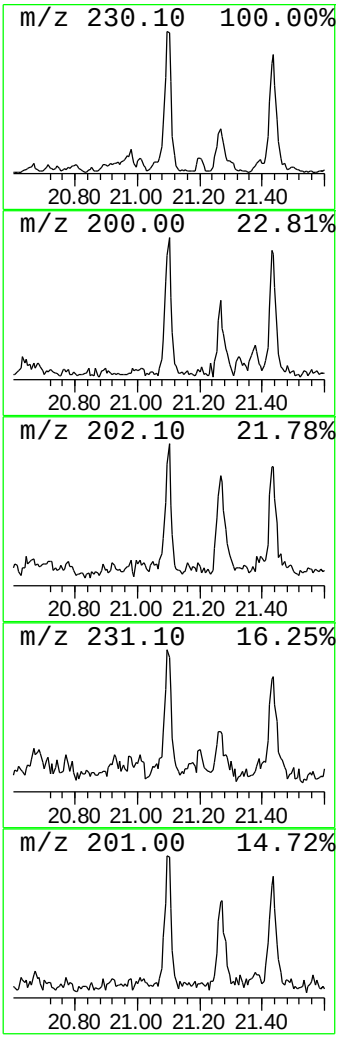
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	3.33 ng/ul	275292	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	Benzo(a)phenazine	230	C16H10N2	000225-61-6	52





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Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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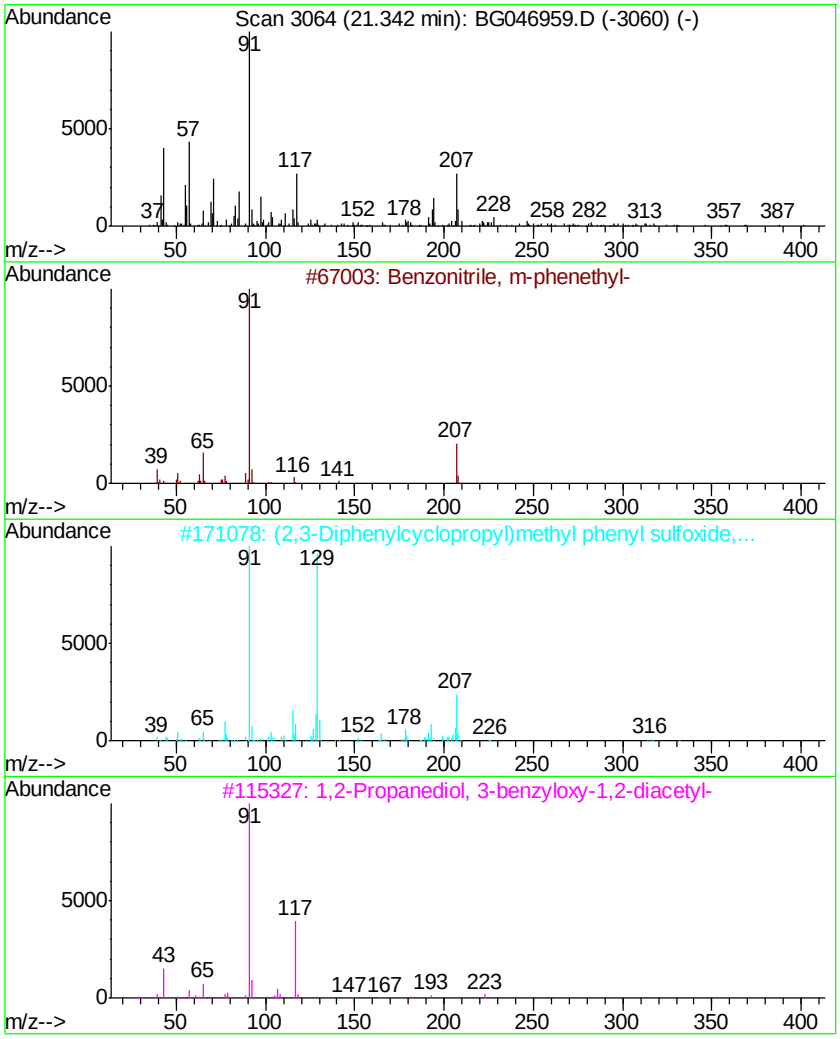
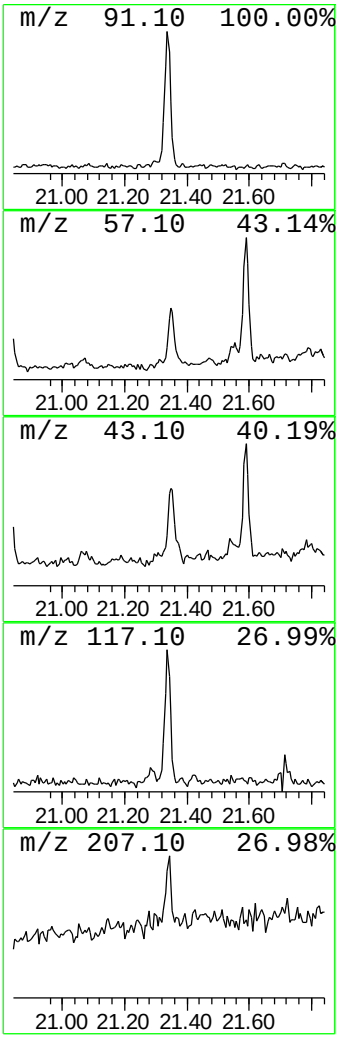
Peak Number 13 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	2.69 ng/ul	222351	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	22
2	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	16
3	1,2-Propanediol, 3-benzyloxy-1,2...	266	C14H18O5	013754-10-4	10
4	Androstan-17-one, 3-ethyl-3-hydr...	318	C21H34O2	057344-99-7	10
5	Isoxazole, 5-chloro-4-(2-phenyle...	207	C11H10ClNO	1000362-09-0	9





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Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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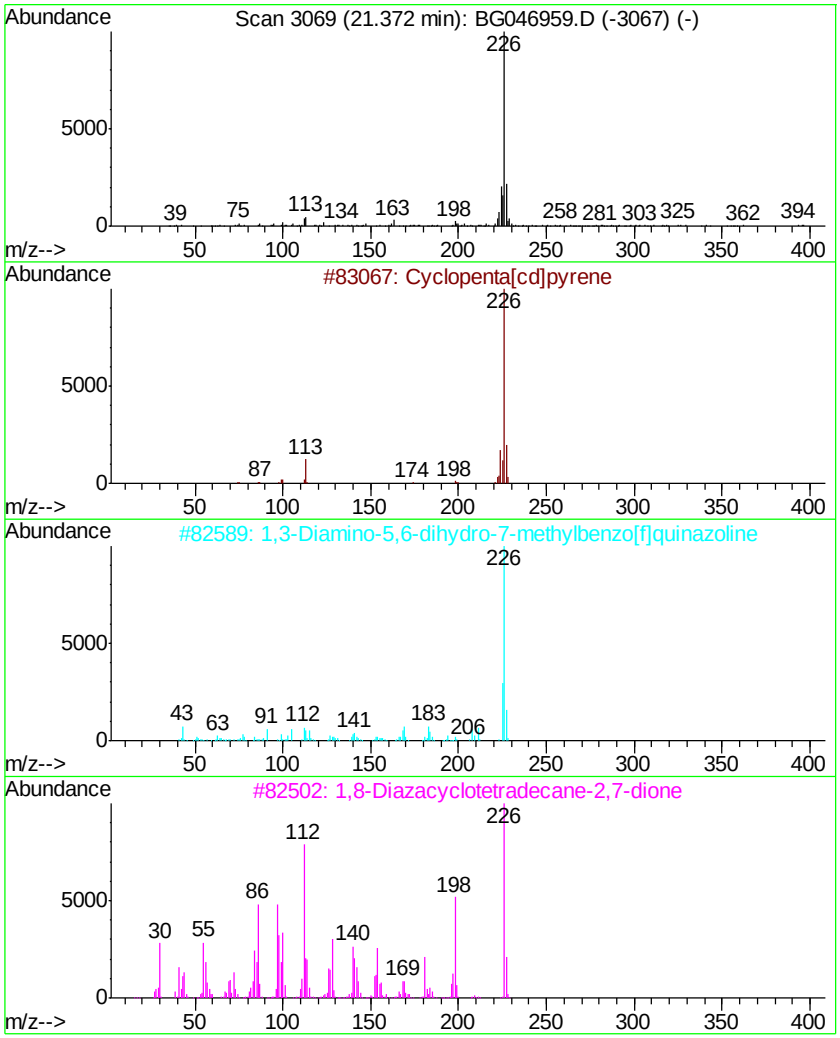
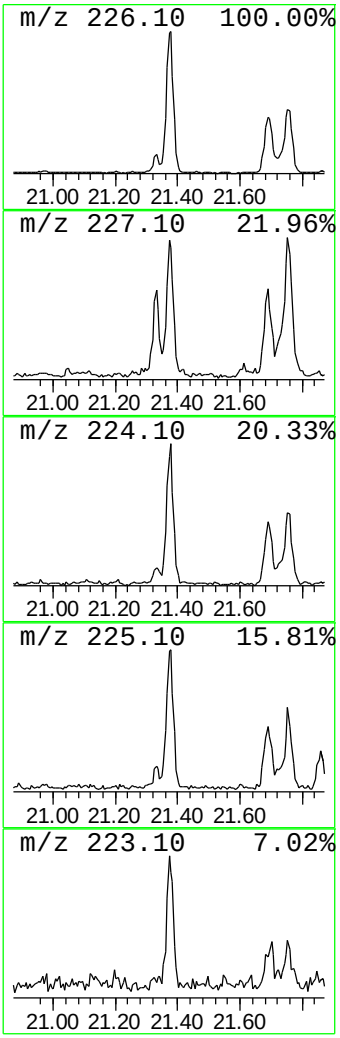
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.69 ng/ul	388255	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	89
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40
3	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	40
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	40
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	36





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Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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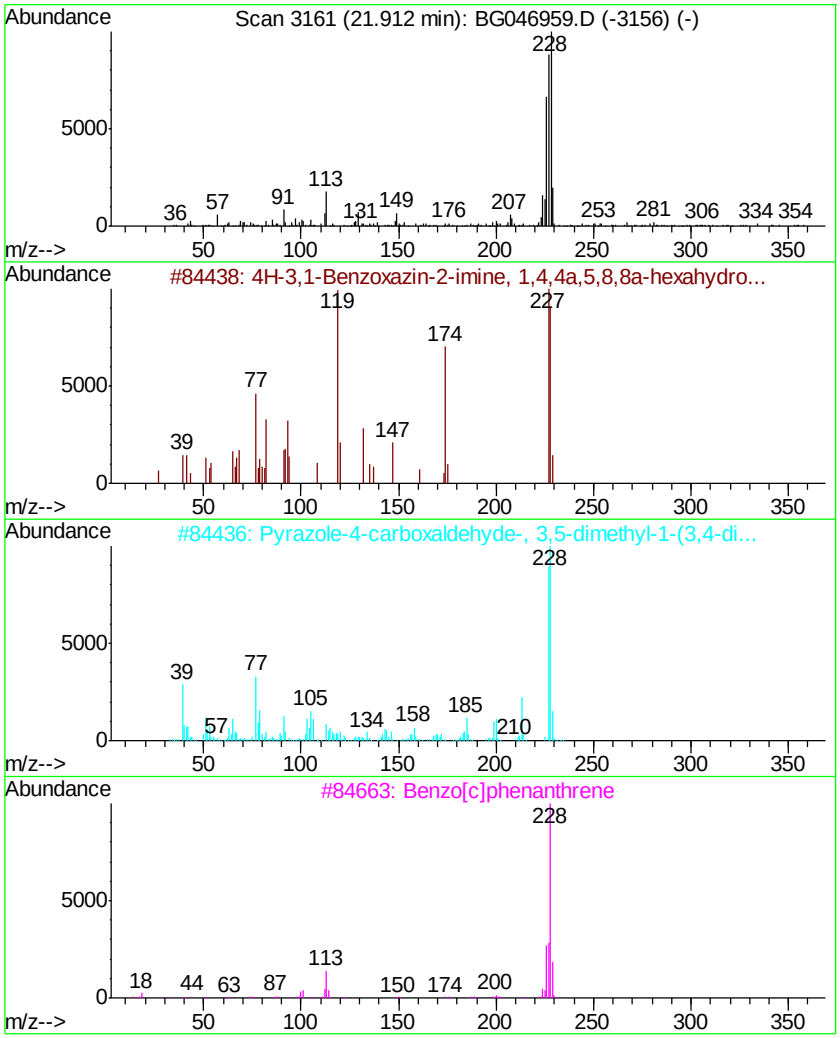
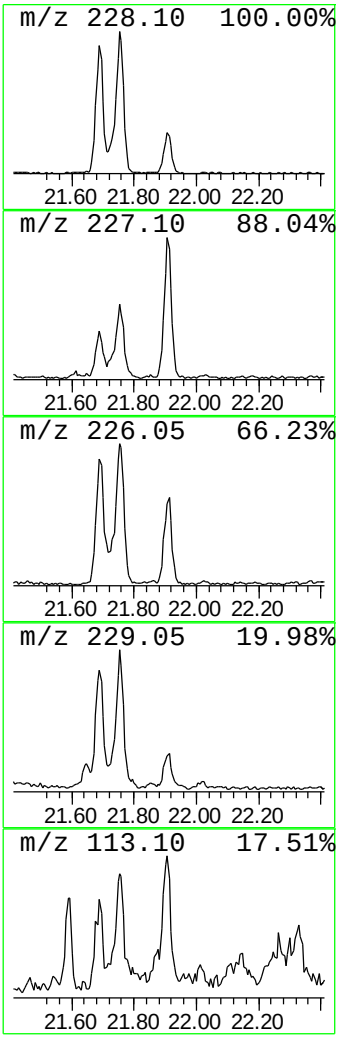
Peak Number 15 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	5.84 ng/ul	482796	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	49
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





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Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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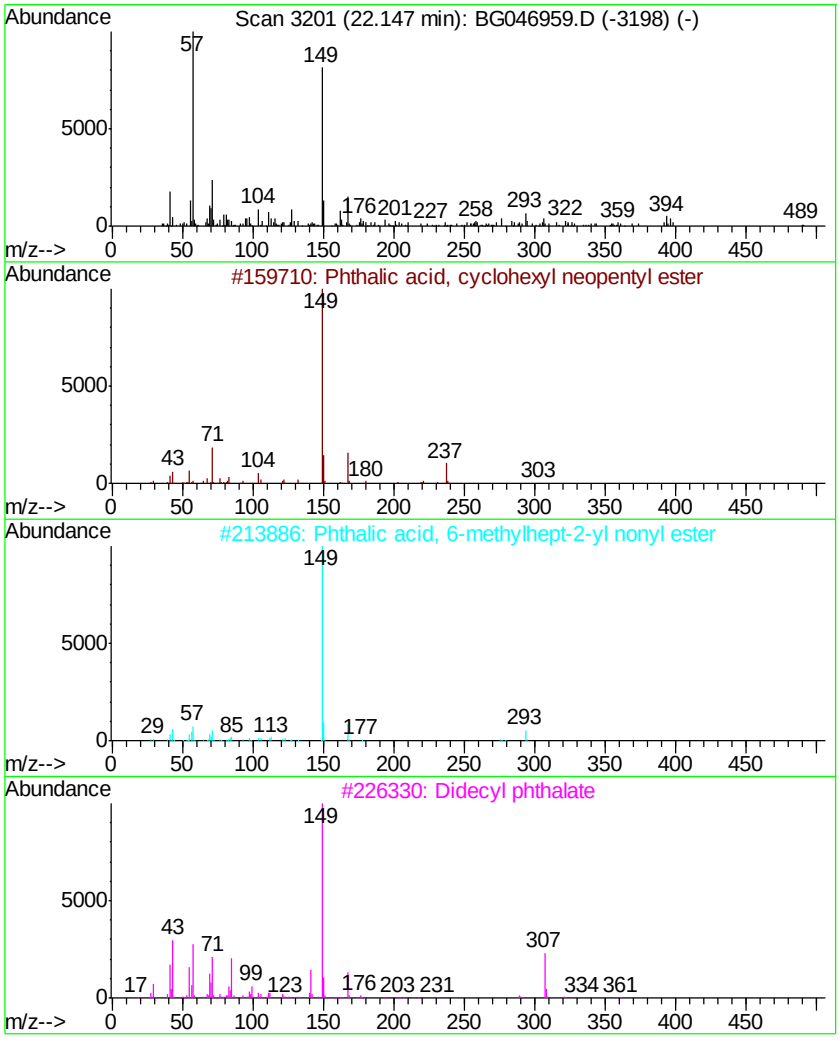
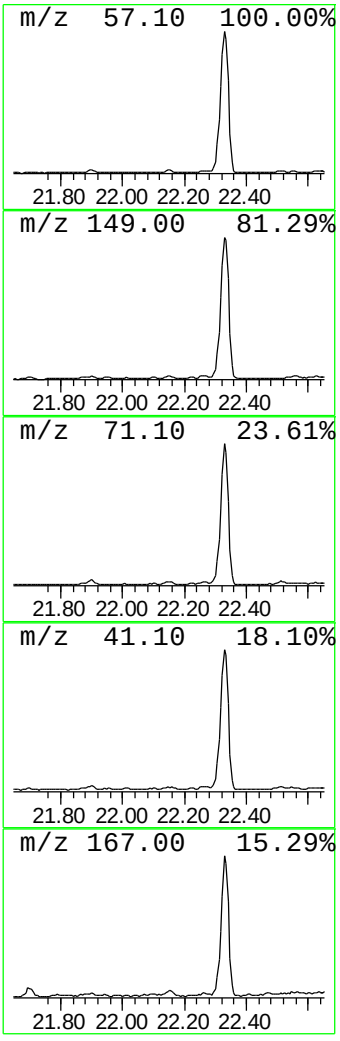
Peak Number 16 Phthalic acid, cyclohexyl n... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	2.97 ng/ul	246111	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, cyclohexyl neopen...	318	C19H26O4	1000315-54-2	64
2	Phthalic acid, 6-methylhept-2-yl...	404	C25H40O4	1000377-96-3	59
3	Didecyl phthalate	446	C28H46O4	000084-77-5	59
4	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	59
5	Didecyl phthalate	446	C28H46O4	000084-77-5	53





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Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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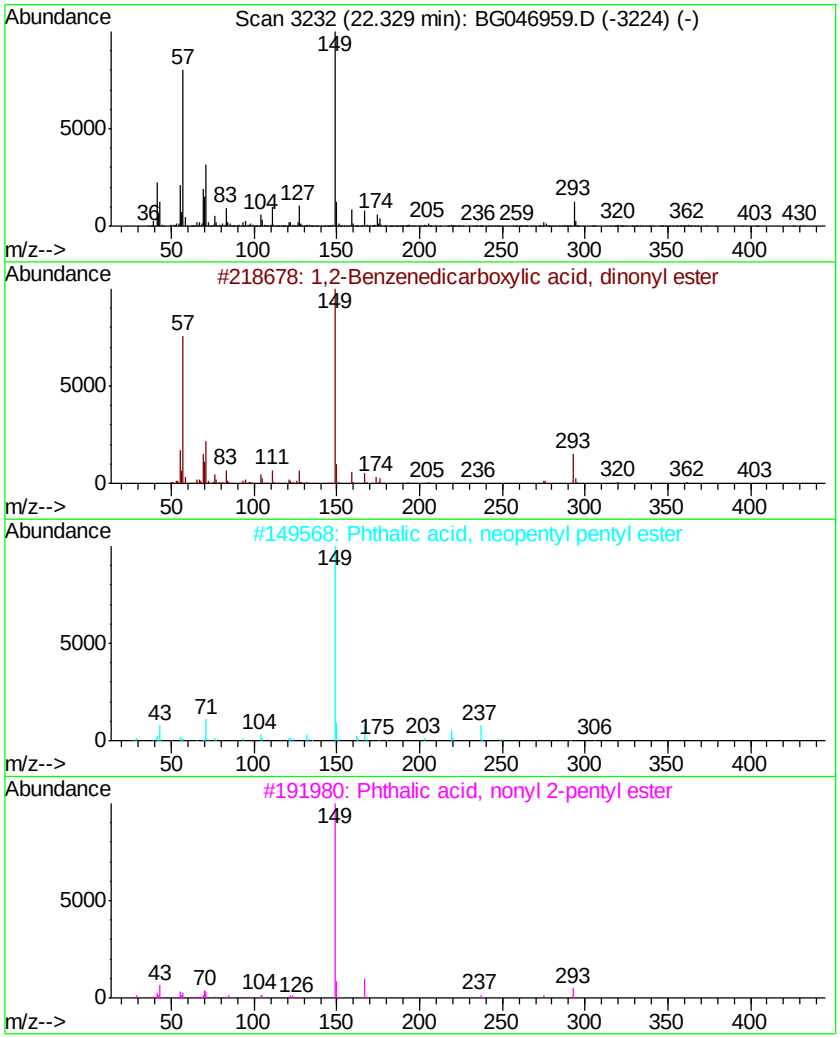
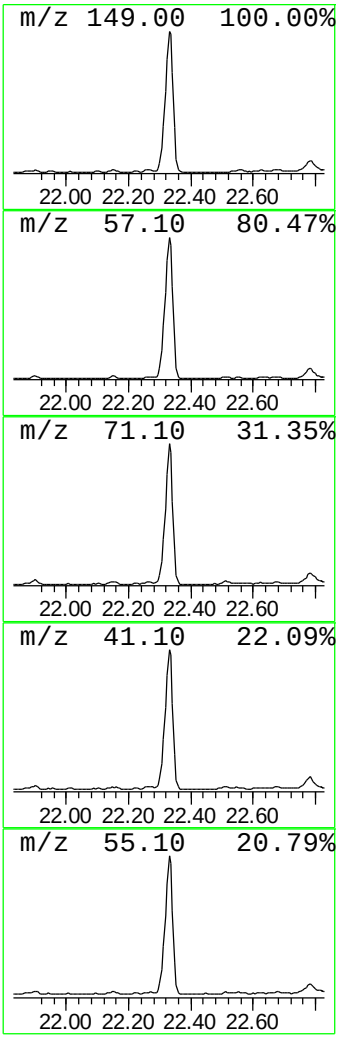
Peak Number 17 1,2-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	141.63 ng/ul	11718200	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	91
2	Phthalic acid, neopentyl pentyl ...	306	C18H26O4	1000315-29-8	58
3	Phthalic acid, nonyl 2-pentyl ester	362	C22H34O4	1000315-48-1	53
4	1,2-Benzenedicarboxylic acid, bi...	306	C18H26O4	000605-50-5	50
5	Phthalic acid, 2-cyclohexylethyl...	360	C22H32O4	1000309-05-7	47





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Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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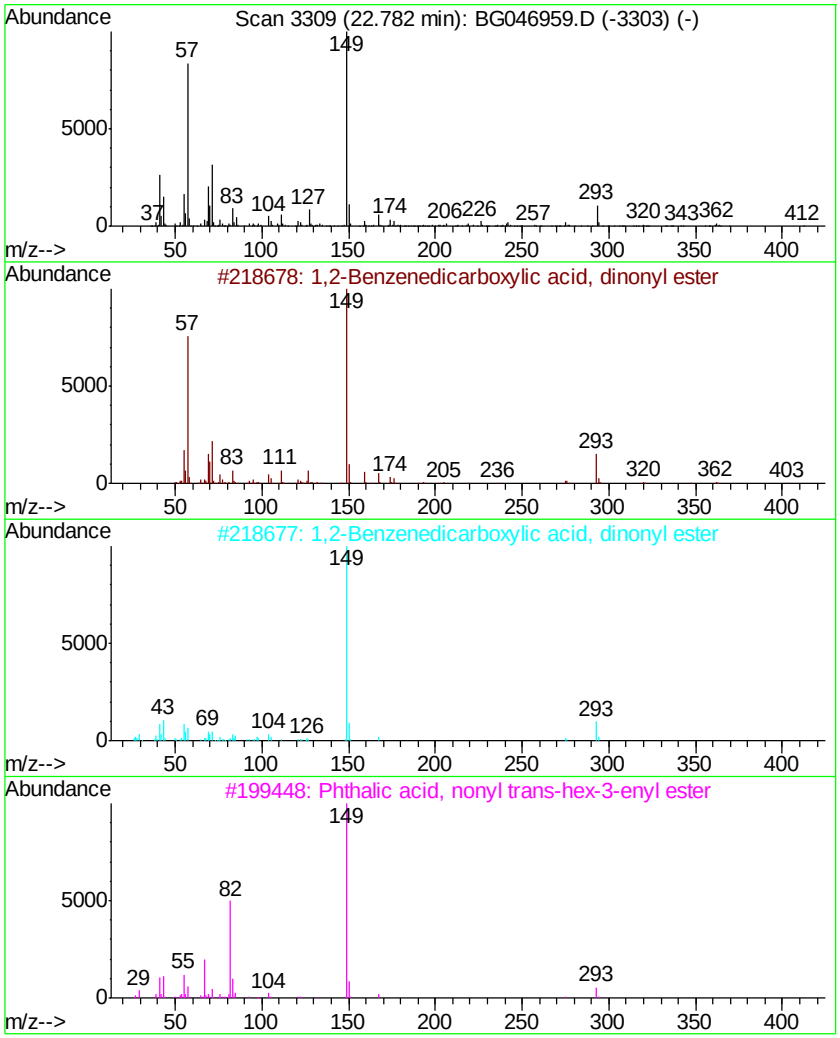
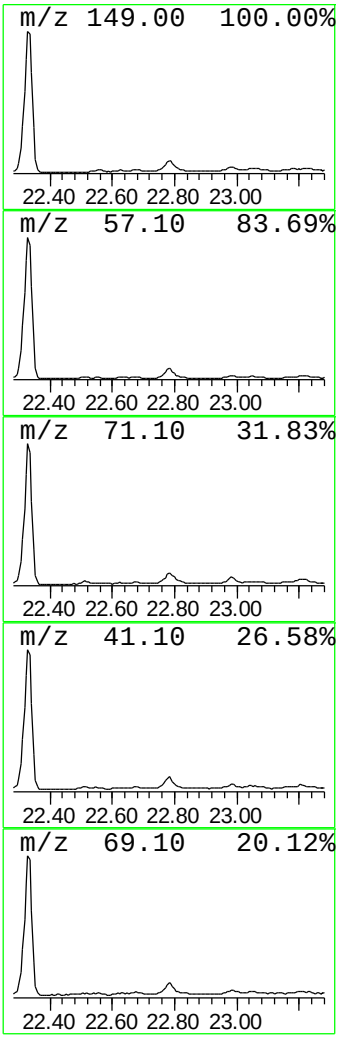
Peak Number 18 Phthalic acid, nonyl trans-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.78	12.37 ng/ul	1023700	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	86
2	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	64
3	Phthalic acid, nonyl trans-hex-3...	374	C23H34O4	1000360-48-7	59
4	Phthalic acid, hept-3-yl isobutyl...	320	C19H28O4	1000356-98-6	53
5	Phthalic acid, 2-cyclohexylethyl...	402	C25H38O4	1000309-06-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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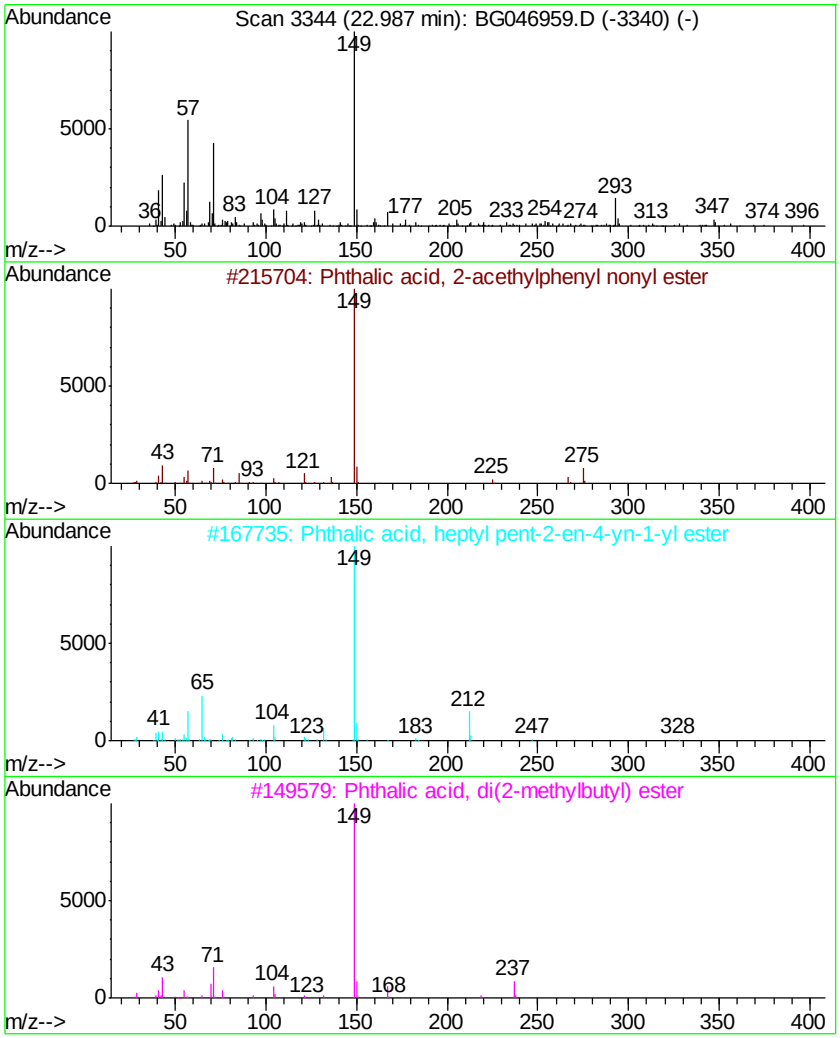
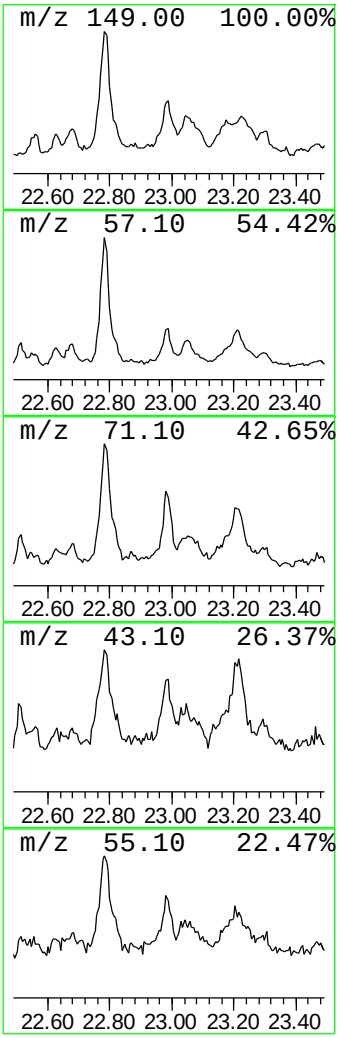
Peak Number 19 Phthalic acid, 2-acethylphe... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	3.04 ng/ul	251780	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-acethylphenyl n...	410	C25H30O5	1000315-82-0	59
2	Phthalic acid, heptyl pent-2-en-...	328	C20H24O4	1000315-45-5	49
3	Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	47
4	Benzaldehyde, 4-(4-bromo-3,5-dim...	322	C14H15BrN2O2	1000273-82-0	46
5	Phthalic acid, 2-methylallyl pen...	290	C17H22O4	1000315-82-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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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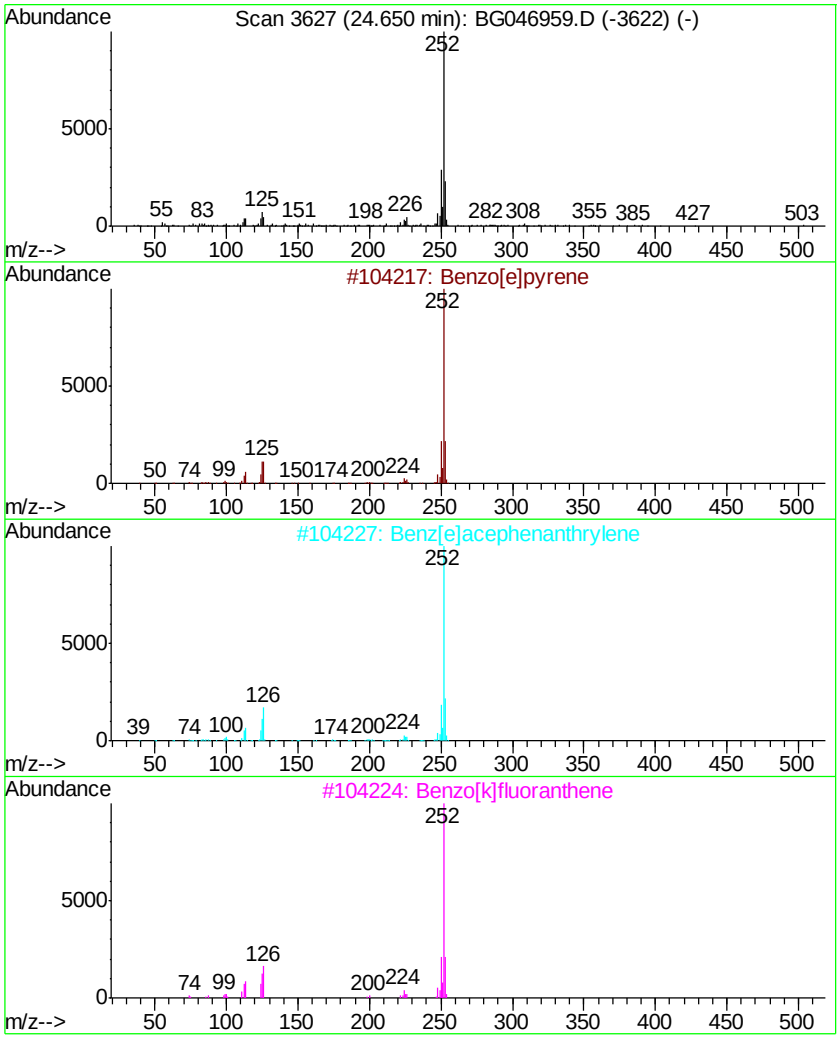
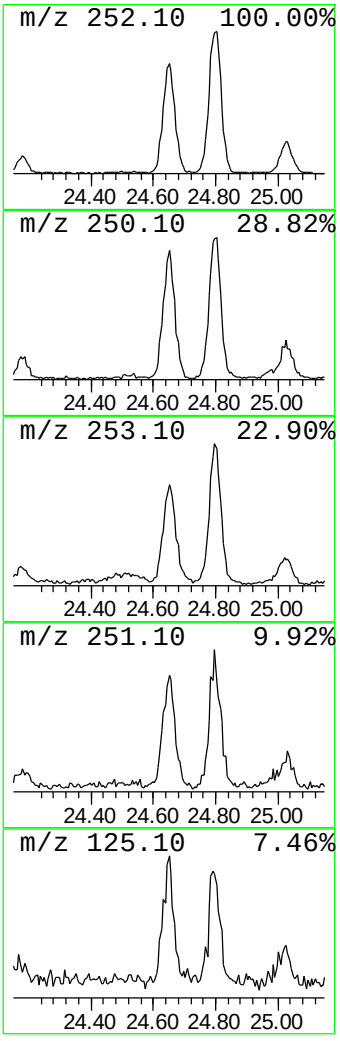
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.65	6.74 ng/ul	323155	Perylene-d12	24.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101720\
Data File : BG046959.D
Acq On : 18 Oct 2020 3:45
Operator : CG/JU
Sample : L4201-13DL 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3DL

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	2.0	ng/ul	92786	4	17.44	918566	20.0
Phenanthrene, 2-m...	18.32	11.5	ng/ul	527011	4	17.44	918566	20.0
Phenanthrene, 1-m...	18.50	8.3	ng/ul	383219	4	17.44	918566	20.0
Phenanthrene, 4-m...	18.55	3.4	ng/ul	157079	4	17.44	918566	20.0
5,16[1',2']:8,13[...	18.81	3.8	ng/ul	173452	4	17.44	918566	20.0
9,10-Anthracenedione	18.85	5.4	ng/ul	246076	4	17.44	918566	20.0
Anthracene, 2-ethyl-	19.06	2.1	ng/ul	98828	4	17.44	918566	20.0
9,10-Dimethylanth...	19.23	4.8	ng/ul	222351	4	17.44	918566	20.0
Cyclopenta(def)ph...	19.36	4.3	ng/ul	197477	4	17.44	918566	20.0
11H-Benzo[b]fluorene	20.18	2.3	ng/ul	187856	5	21.71	1654760	20.0
unknown-01	20.33	3.3	ng/ul	273622	5	21.71	1654760	20.0
7H-Benz[de]anthra...	21.10	3.3	ng/ul	275292	5	21.71	1654760	20.0
unknown-02	21.34	2.7	ng/ul	222351	5	21.71	1654760	20.0
Cyclopenta[cd]pyrene	21.37	4.7	ng/ul	388255	5	21.71	1654760	20.0
unknown-03	21.91	5.8	ng/ul	482796	5	21.71	1654760	20.0
Phthalic acid, cy...	22.15	3.0	ng/ul	246111	5	21.71	1654760	20.0
1,2-Benzenedicarb...	22.33	141.6	ng/ul	11718200	5	21.71	1654760	20.0
Phthalic acid, no...	22.78	12.4	ng/ul	1023700	5	21.71	1654760	20.0
Phthalic acid, 2-...	22.99	3.0	ng/ul	251780	5	21.71	1654760	20.0
Benzo[e]pyrene	24.65	6.7	ng/ul	323155	6	24.95	959110	20.0