LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_N\METHODS\SOM-EPA-BN081318MA.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	7.663	787	795	807	rBV	790924	1284624	18.22%	1.603%
2	10.434	1258	1266	1272	rBV	1190585	1992188	28.25%	2.486%
3	10.481	1272	1274	1285	rVB	56146	84567	1.20%	0.106%
4	12.104	1543	1550	1558	rVB	45279	77183	1.09%	0.096%
5	13.616	1799	1807	1812	rBV3	49260	87533	1.24%	0.109%
6	13.710	1819	1823	1827	rVB	78662	102193	1.45%	0.128%
7	13.987	1863	1870	1873	rBV	95926	140377	1.99%	0.175%
8	14.298	1915	1923	1929	rBV2	1755977	2634507	37.36%	3.288%
9	14.357	1929	1933	1942	rVB	331246	487825	6.92%	0.609%
10	14.698	1983	1991	2001	rBV	211530	329592	4.67%	0.411%
11	15.292	2086	2092	2096	rBV	130236	178582	2.53%	0.223%
12	15.345	2096	2101	2107	rVB	358121	502903	7.13%	0.628%
13	15.445	2112	2118	2120	rBV	60794	91284	1.29%	0.114%
14	15.469	2120	2122	2126	rVV	72322	100640	1.43%	0.126%
15	15.510	2126	2129	2134	rVB2	72115	100229	1.42%	0.125%
16	15.645	2147	2152	2160	rVB	110923	184912	2.62%	0.231%
17	15.792	2172	2177	2185	rVB	125232	246772	3.50%	0.308%
18	15.881	2185	2192	2198	rVB4	35075	77688	1.10%	0.097%
19	16.028	2213	2217	2223	rVB3	49767	75768	1.07%	0.095%
20	16.351	2270	2272	2277	rVB2	98776	135829	1.93%	0.170%
21	16.404	2277	2281	2286	rVB2	75332	110102	1.56%	0.137%
22	16.504	2292	2298	2303	rVB3	60374	118747	1.68%	0.148%
23	16.622	2315	2318	2322	rVB3	66581	84937	1.20%	0.106%
24	16.704	2327	2332	2339	rVB	187903	286448	4.06%	0.357%
25	16.798	2339	2348	2353	rBV2	197110	429032	6.08%	0.535%
26	16.863	2354	2359	2369	rVB	293767	469540	6.66%	0.586%
27	17.045	2384	2390	2394	rBV2	1978418	3125639	44.33%	3.901%
28	17.092	2394	2398	2403	rVV	5072106	6955265	98.64%	8.680%
29	17.145	2403	2407	2409	rVV2	243869	360580	5.11%	0.450%
30	17.181	2409	2413	2418	rVV	995193	1422823	20.18%	1.776%
31	17.239	2418	2423	2429	rVB2	146909	228357	3.24%	0.285%
32	17.451	2449	2459	2464	rBV2	455789	829015	11.76%	1.035%
33	17.569	2474	2479	2485	rBV2	102137	160638	2.28%	0.200%
34	17.628	2485	2489	2493	rBV2	142497	203956	2.89%	0.255%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_N\METHODS\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

35	17.769	2509	2513	2521	rVB	93704	166999	2.37%	0.208%
36	17.845	2522	2526	2530	rVB2	56500	74392	1.06%	0.093%
37	17.922	2530	2539	2543	rBV	859707	1310209	18.58%	1.635%
38	17.969	2543	2547	2554	rVB	1179149	1625517	23.05%	2.029%
39	18.051	2554	2561	2565	rBV	394462	610729	8.66%	0.762%
40	18.116	2565	2572	2576	rBV3	988964	1919545	27.22%	2.395%
41	18.151	2576	2578	2585	rVB	626888	786526	11.15%	0.982%
42	18.233	2587	2592	2595	rBV3	84766	146057	2.07%	0.182%
43	18.275	2595	2599	2603	rVB3	79973	106460	1.51%	0.133%
44	18.322	2603	2607	2611	rBV5	64718	106373	1.51%	0.133%
45	18.363	2611	2614	2620	rBV4	51806	121291	1.72%	0.151%
46	18.428	2620	2625	2629	rVV	479636	694528	9.85%	0.867%
47	18.469	2629	2632	2637	rVB2	312972	424511	6.02%	0.530%
48	18.551	2642	2646	2651	rBV	103924	147499	2.09%	0.184%
49	18.675	2663	2667	2671	rBV	214242	263490	3.74%	0.329%
50	18.722	2672	2675	2679	rVV	164183	203356	2.88%	0.254%
51	18.763	2679	2682	2687	rVV	166965	218657	3.10%	0.273%
52	18.845	2691	2696	2701	rVV	480805	862712	12.24%	1.077%
53	18.910	2704	2707	2710	rVV2	292311	466862	6.62%	0.583%
54	18.939	2710	2712	2716	rVV	187772	198584	2.82%	0.248%
55	18.986	2716	2720	2728	rVB3	331664	657829	9.33%	0.821%
56	19.116	2735	2742	2748	rBV	5224735	6985780	99.07%	8.718%
57	19.180	2749	2753	2755	rVV	116835	150660	2.14%	0.188%
58	19.210	2755	2758	2763	rVB2	172917	250700	3.56%	0.313%
59	19.357	2780	2783	2786	rVB2	177243	195163	2.77%	0.244%
60	19.480	2799	2804	2812	rVB	4718914	7051111	100.00%	8.799%
61	19.551	2812	2816	2823	rVB2	297129	512719	7.27%	0.640%
62	19.657	2830	2834	2840	rBV	265668	346568	4.92%	0.432%
63	19.716	2841	2844	2850	rVB	273685	409107	5.80%	0.511%
64	19.810	2853	2860	2866	rBV3	431424	1040573	14.76%	1.299%
65	19.939	2877	2882	2883	rBV4	313287	409661	5.81%	0.511%
66	19.975	2885	2888	2893	rVB	759896	988545	14.02%	1.234%
67	20.075	2901	2905	2909	rBV	425076	550750	7.81%	0.687%
68	20.133	2909	2915	2919	rVV2	670746	1041821	14.78%	1.300%
69	20.175	2919	2922	2926	rVB	182009	238782	3.39%	0.298%
70	20.275	2935	2939	2943	rBV	421209	561601	7.96%	0.701%
71	20.322	2943	2947	2951	rVB	459684	632797	8.97%	0.790%

LSC Area Percent Report

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Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_N\METHODS\SOM-EPA-BN081318MA.M
Title : SVOA CALIBRATION

72	20.539	2980	2984	2986	rBV4	83007	143968	2.04%	0.180%
73	20.727	3012	3016	3022	rVB	441239	621762	8.82%	0.776%
74	20.892	3038	3044	3047	rBV2	362073	685609	9.72%	0.856%
75	20.927	3047	3050	3054	rVV	481196	591910	8.39%	0.739%
76	20.974	3054	3058	3063	rVV2	310933	635640	9.01%	0.793%
77	21.027	3063	3067	3074	rVB	419153	612242	8.68%	0.764%
78	21.239	3097	3103	3108	rBV3	2683931	5645285	80.06%	7.045%
79	21.286	3108	3111	3121	rVB	2281598	2847174	40.38%	3.553%
80	21.404	3128	3131	3137	rVB	286037	361761	5.13%	0.451%
81	21.798	3194	3198	3202	rVB	500170	665889	9.44%	0.831%
82	21.845	3204	3206	3211	rVB	330290	403199	5.72%	0.503%
83	21.992	3228	3231	3234	rBV	188335	230327	3.27%	0.287%
84	22.804	3364	3369	3375	rBV	1149976	2737028	38.82%	3.416%
85	22.974	3394	3398	3404	rBV	249640	533990	7.57%	0.666%
86	23.274	3444	3449	3458	rBV	674195	1169027	16.58%	1.459%
87	23.368	3460	3465	3473	rVB	1090192	2020477	28.65%	2.521%
88	23.468	3476	3482	3487	rBV	954389	1719754	24.39%	2.146%
89	25.674	3852	3857	3869	rVB2	482211	1333374	18.91%	1.664%
90	26.357	3968	3973	3986	rVB	360112	995769	14.12%	1.243%

Sum of corrected areas: 80132924

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
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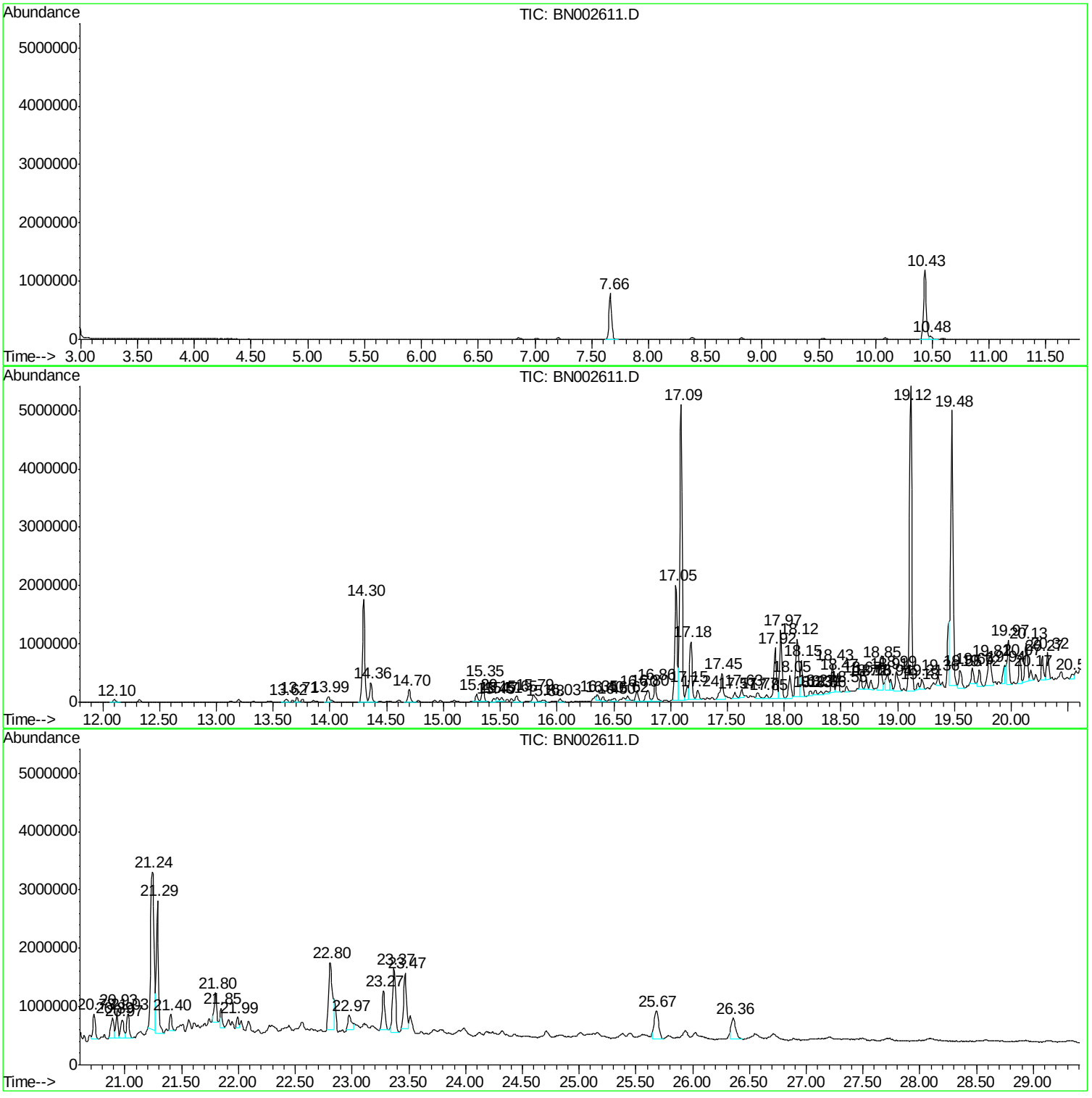
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
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ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : A3YY6DL

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Quant Title : SVOA CALIBRATION

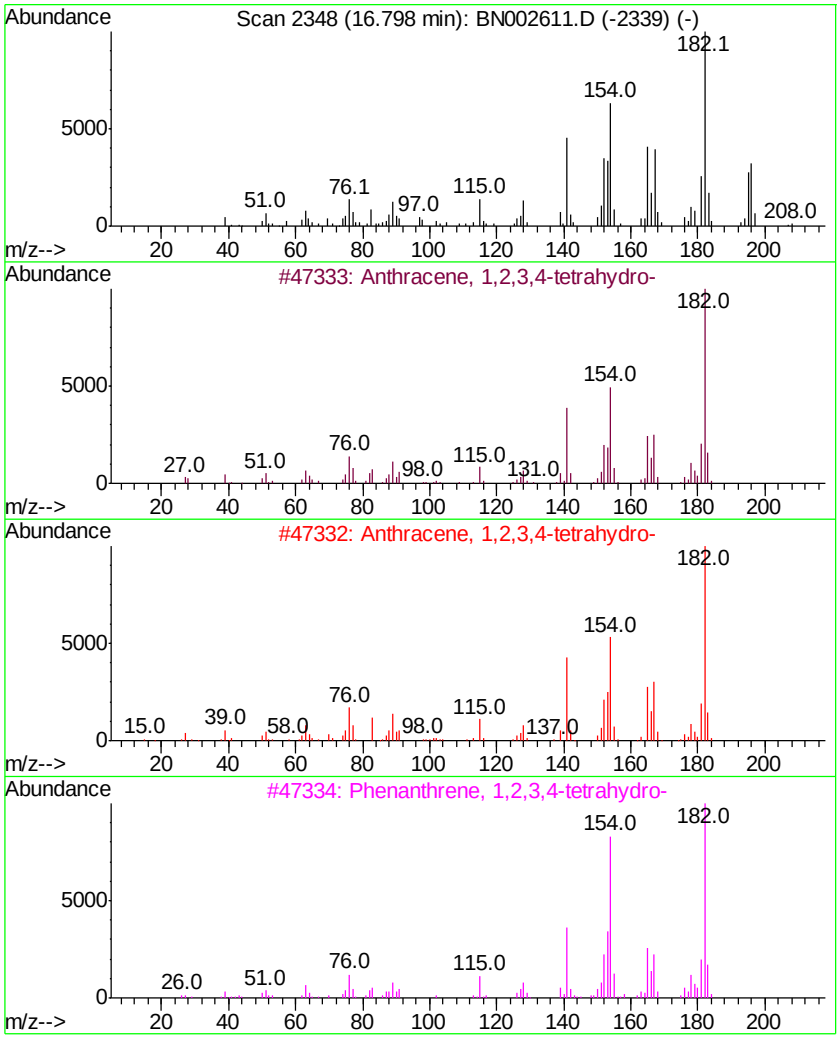
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

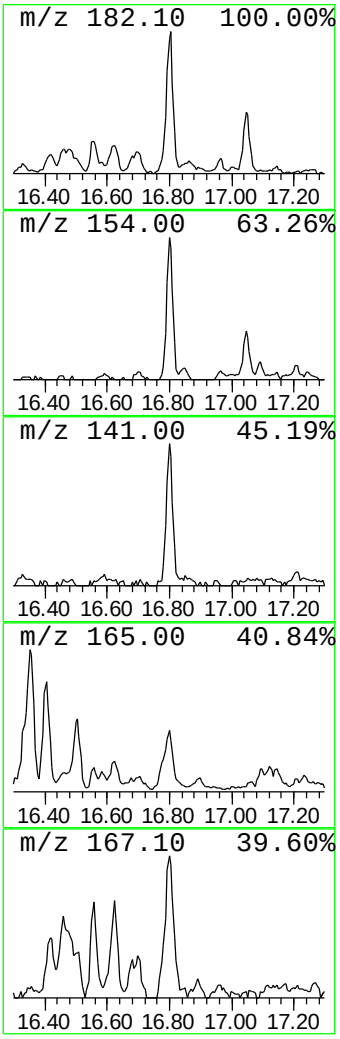
****

Peak Number 1 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.75 ng/ul	429032	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	83
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

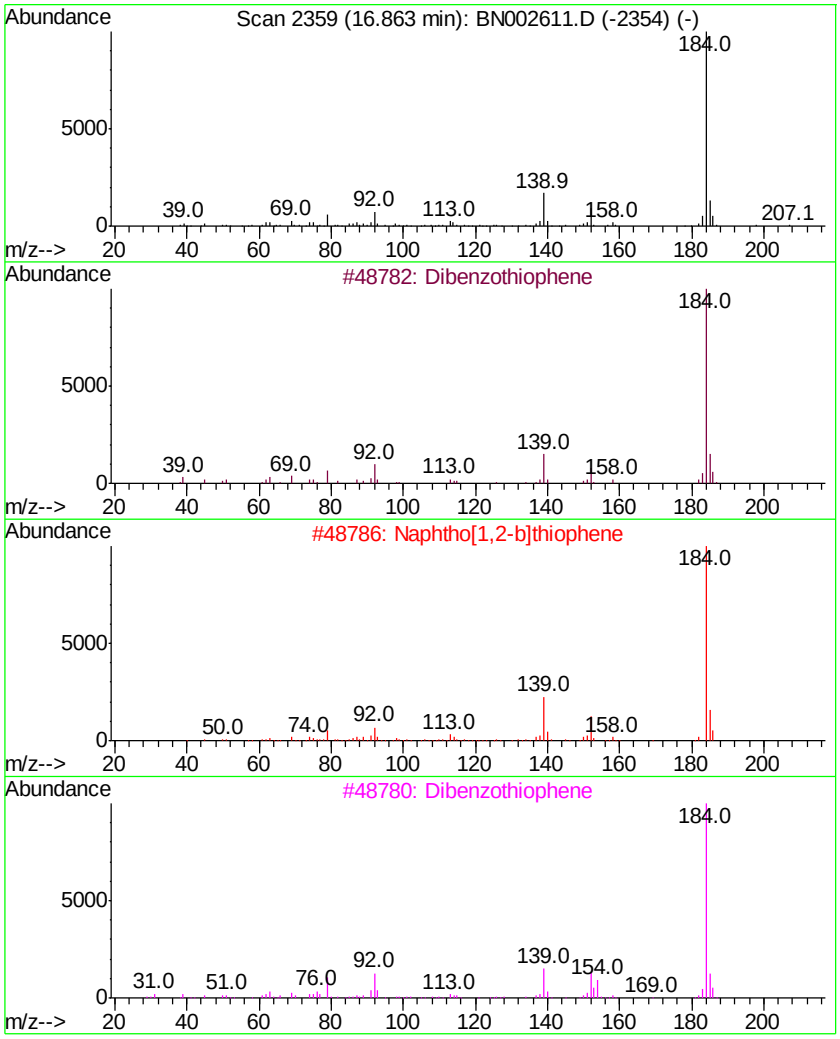
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

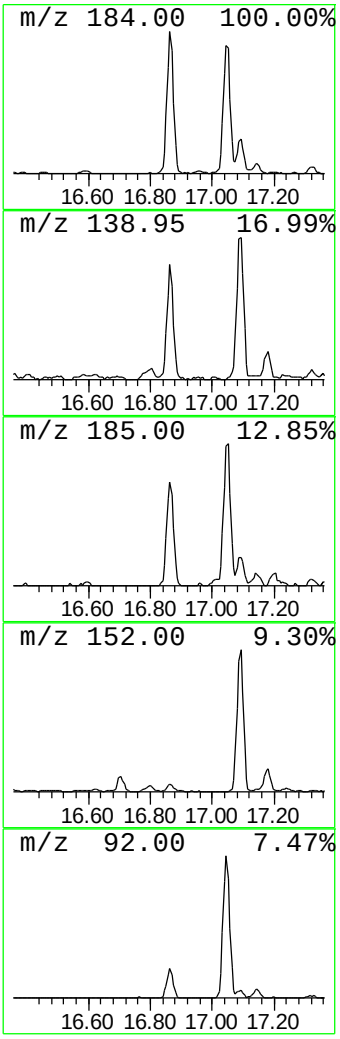
****

Peak Number 2 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	3.00 ng/ul	469540	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

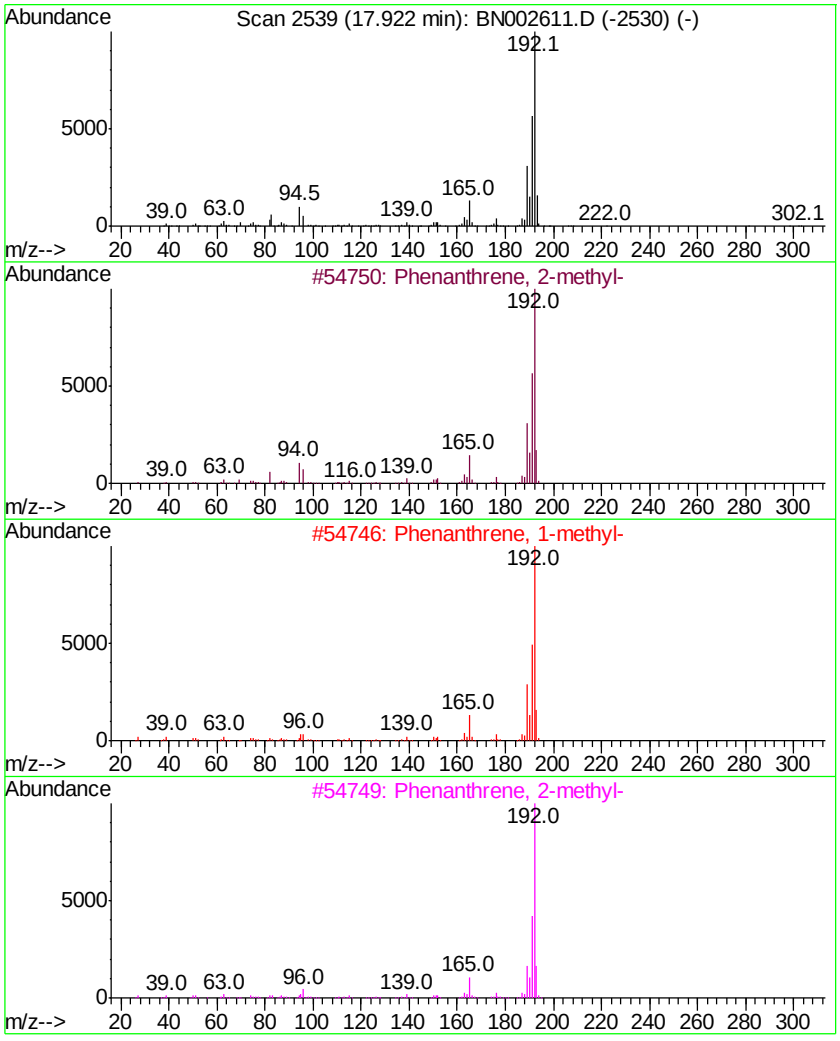
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

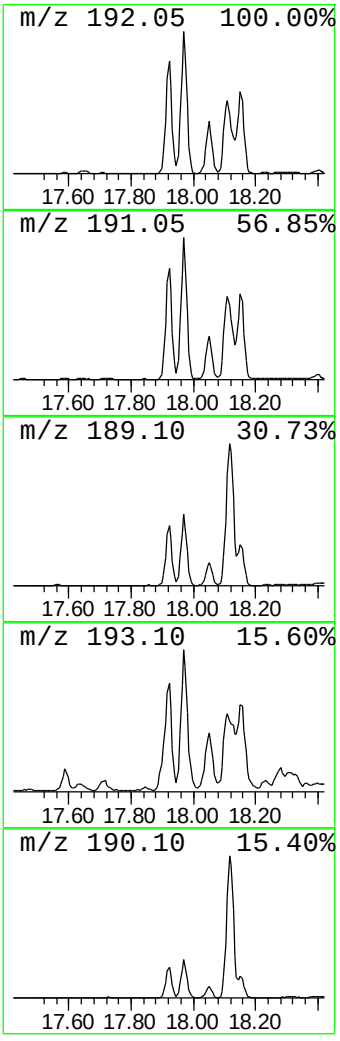
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	8.38 ng/ul	1310210	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

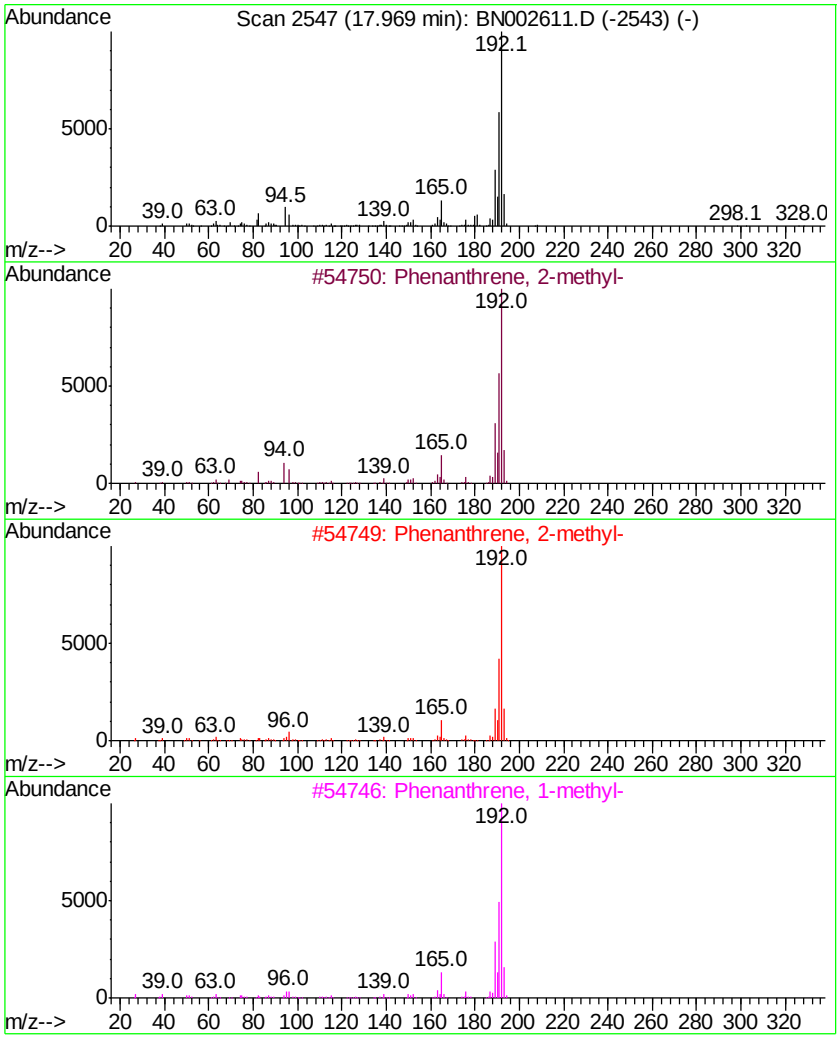
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

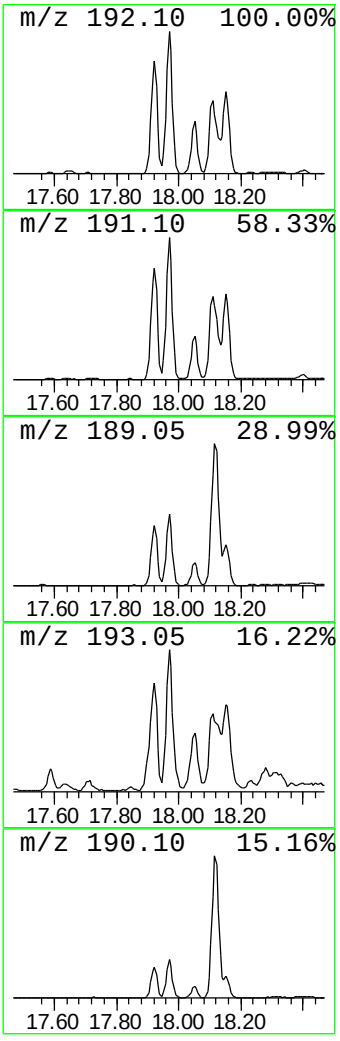
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	10.40 ng/ul	1625520	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

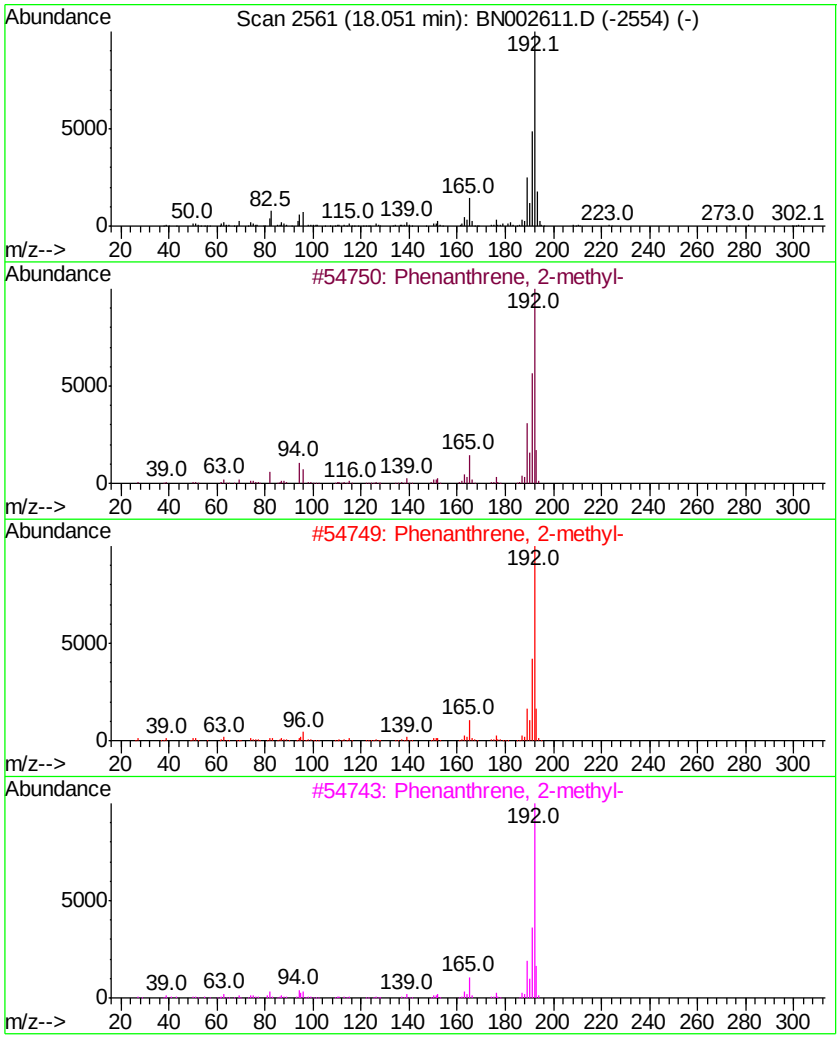
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

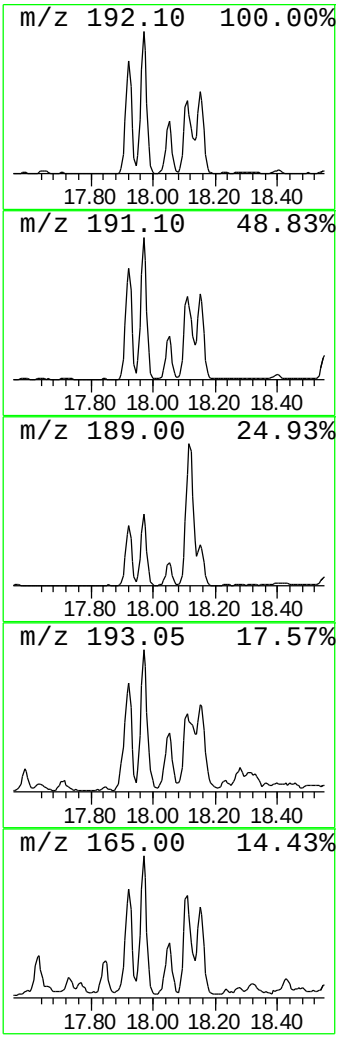
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.91 ng/ul	610729	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

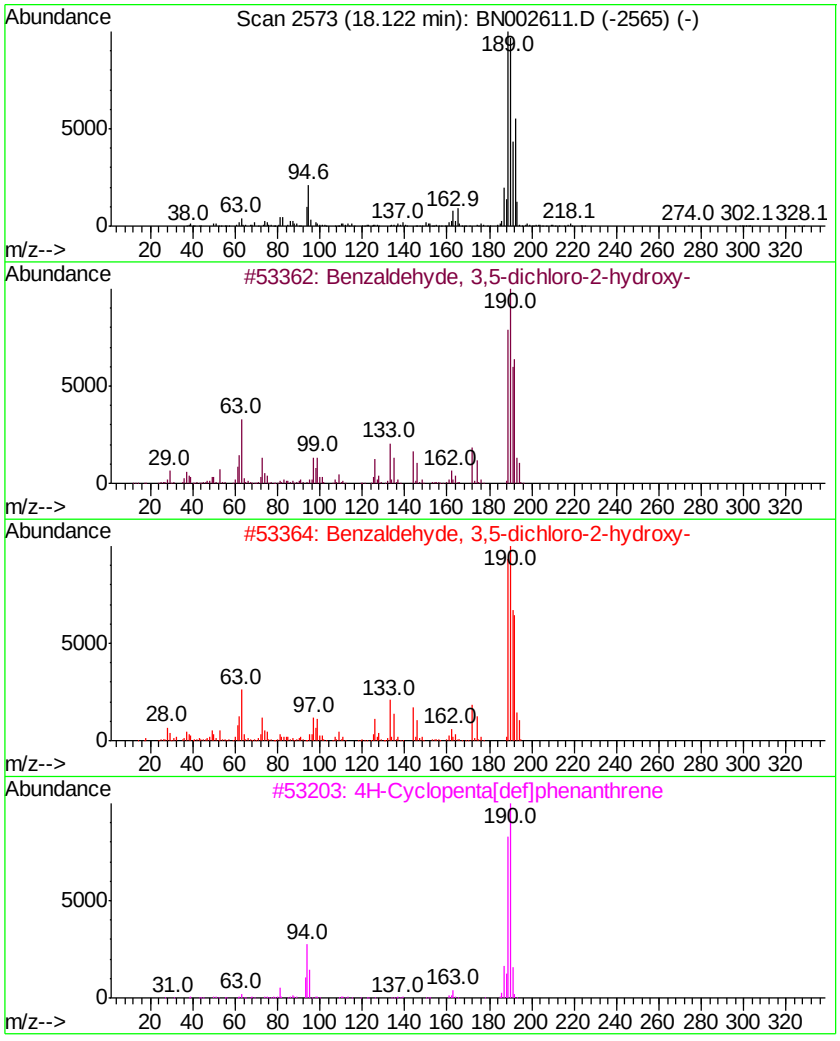
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

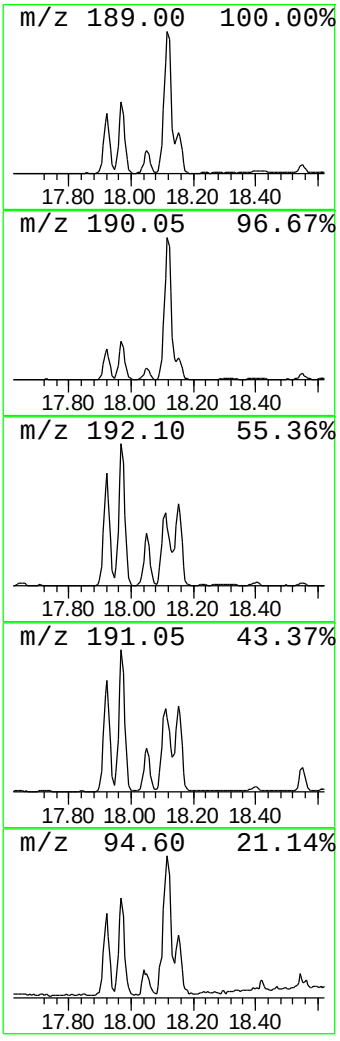
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	12.28 ng/ul	1919550	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : A3YY6DL

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

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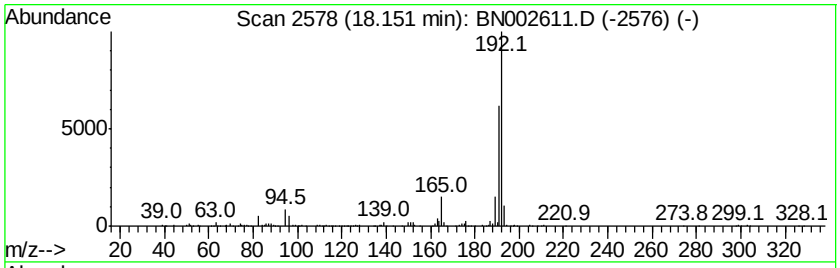
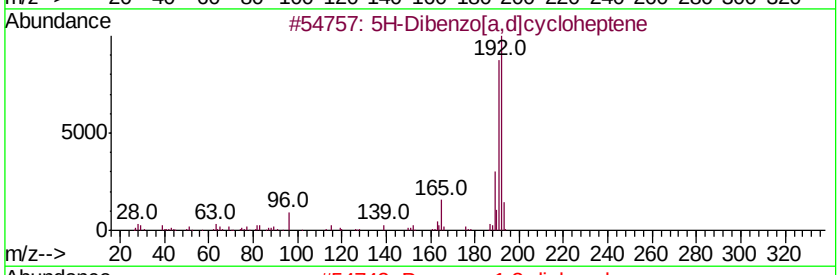
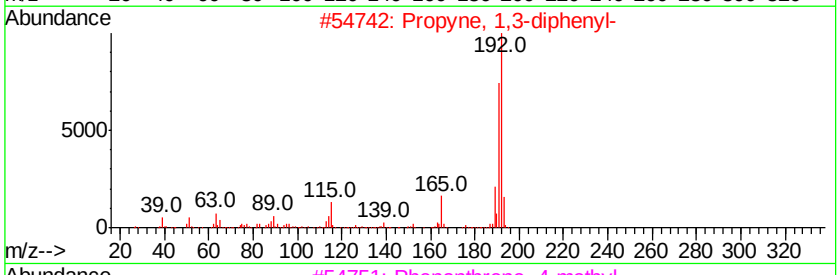
Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

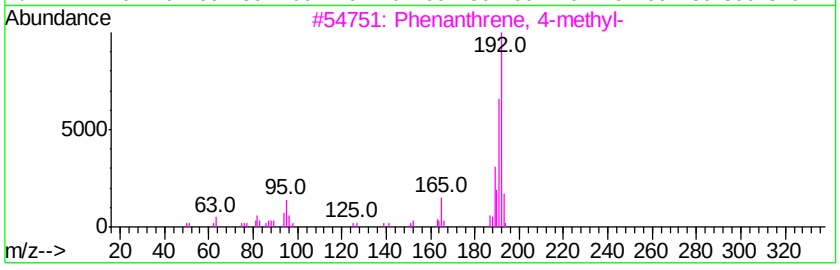
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.03 ng/ul	786526	Phenanthrene-d10	17.05

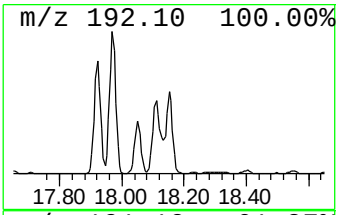
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76

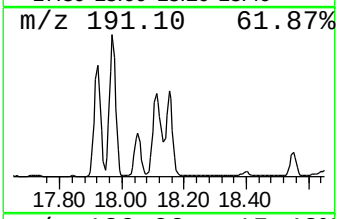


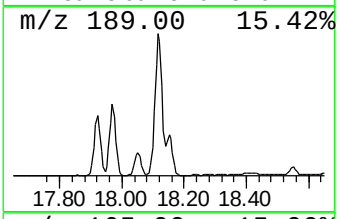


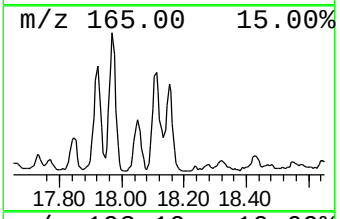


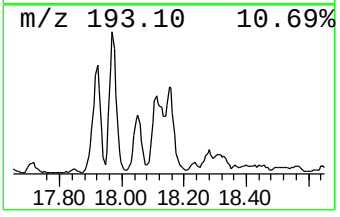












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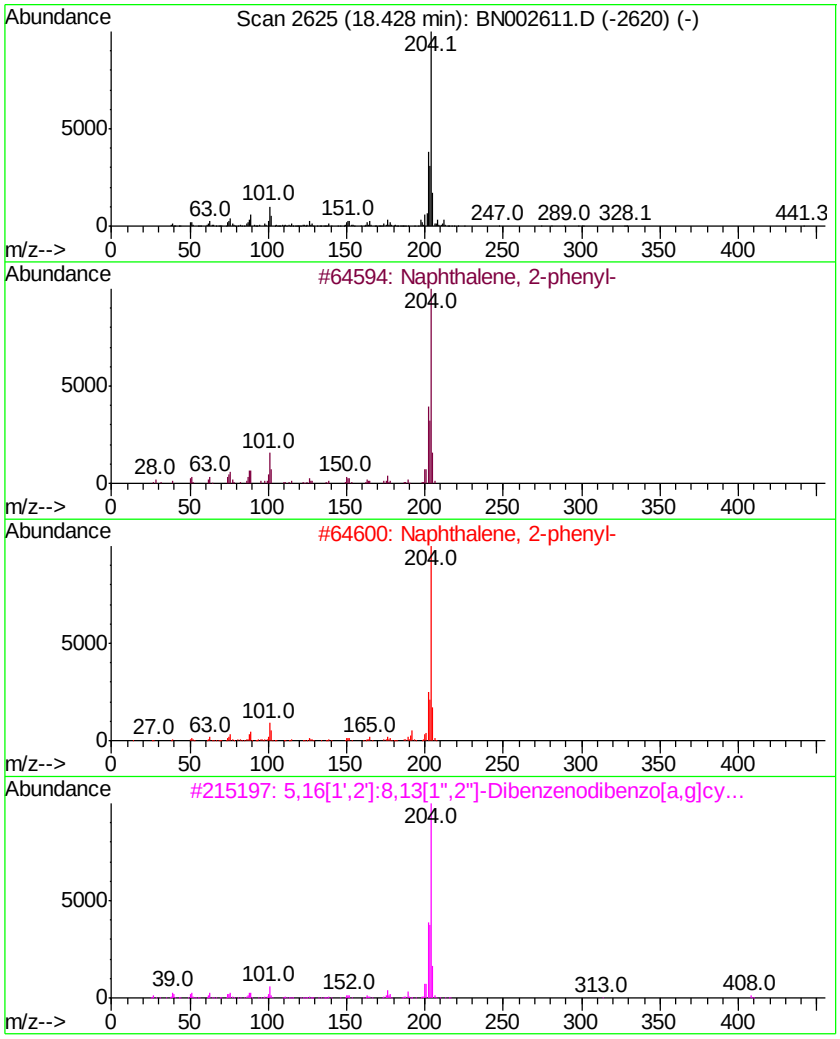
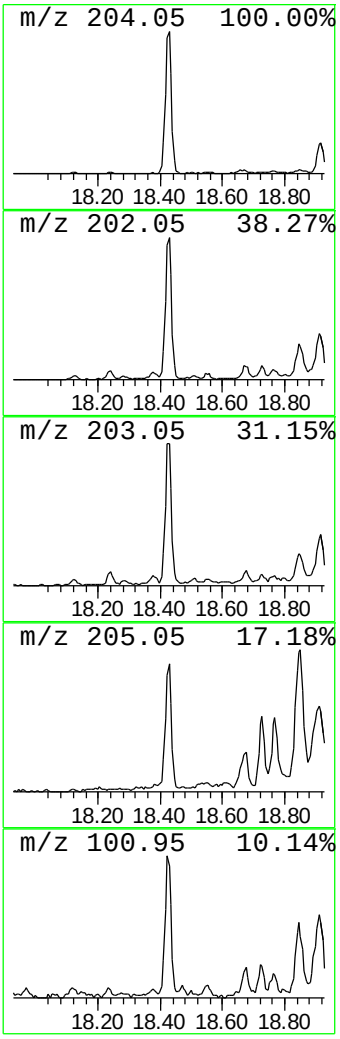
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.44 ng/ul	694528	Phenanthrene-d10	17.05

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





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Quant Title : SVOA CALIBRATION

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

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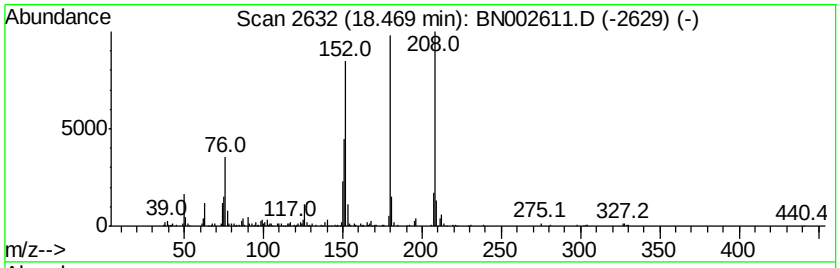
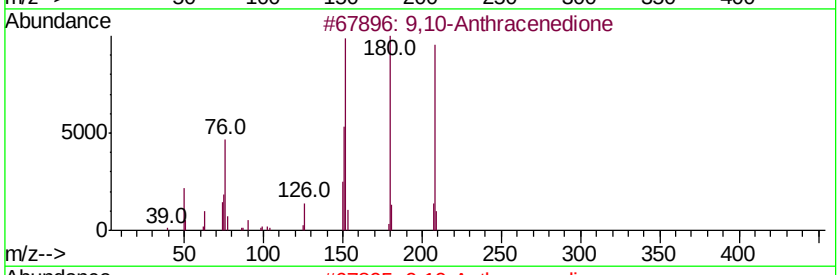
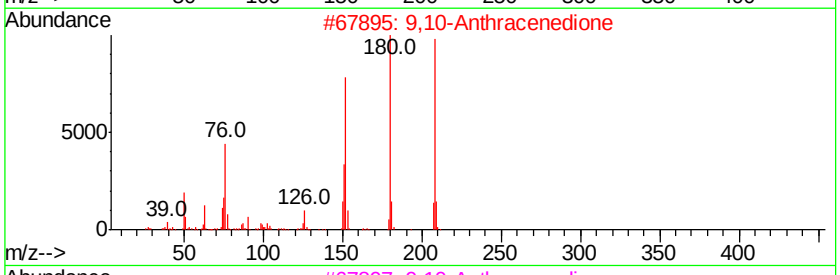
Peak Number 9 9,10-Anthracenedione Concentration Rank 17

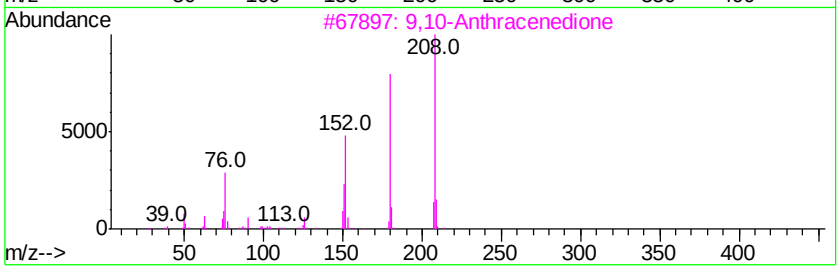
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.72 ng/ul	424511	Phenanthrene-d10	17.05

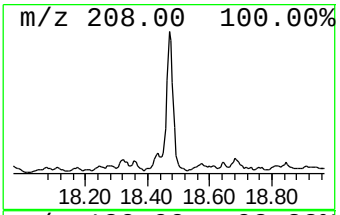
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83

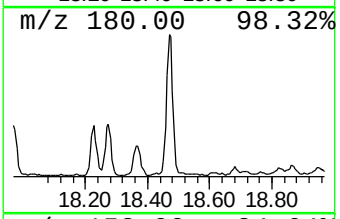


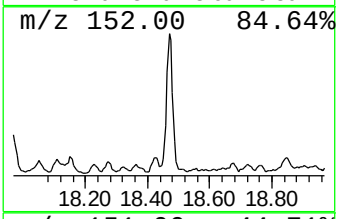


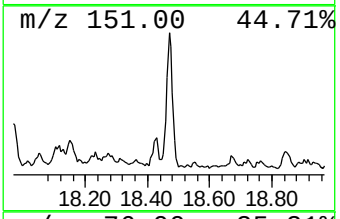


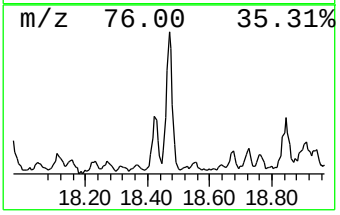












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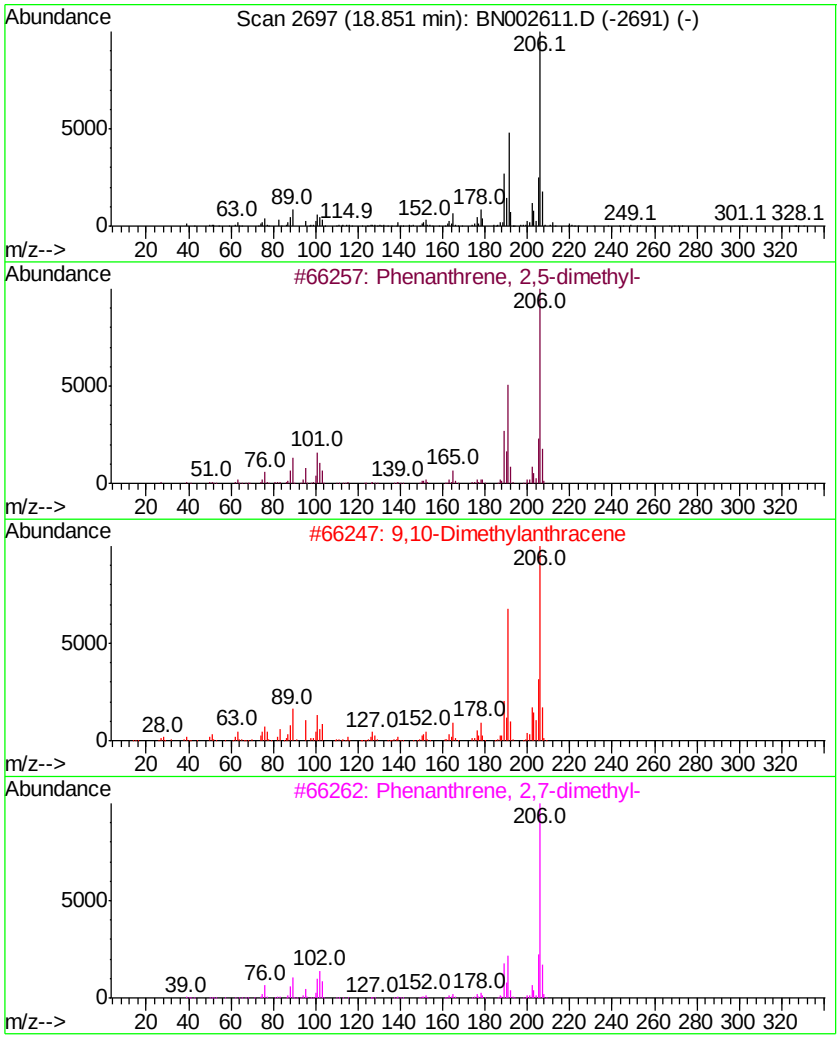
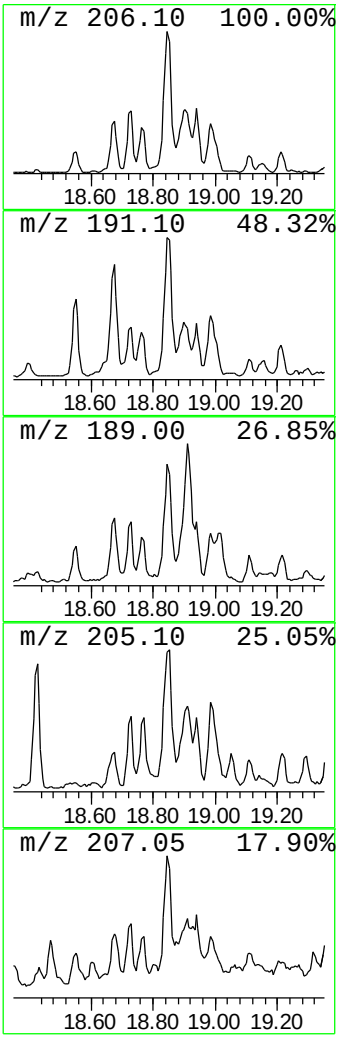
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.52 ng/ul	862712	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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

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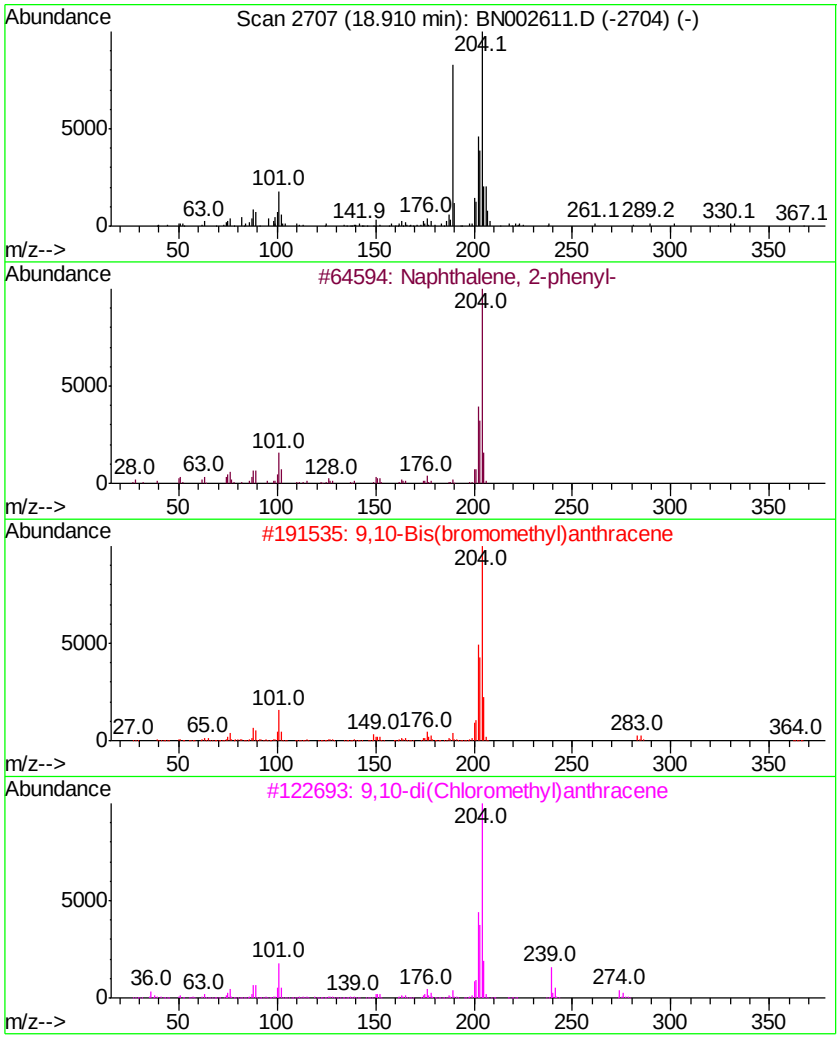
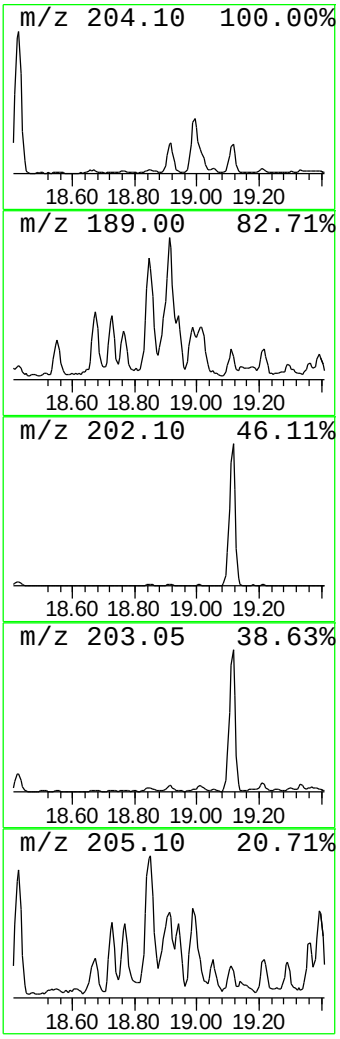
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.99 ng/ul	466862	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	58
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50





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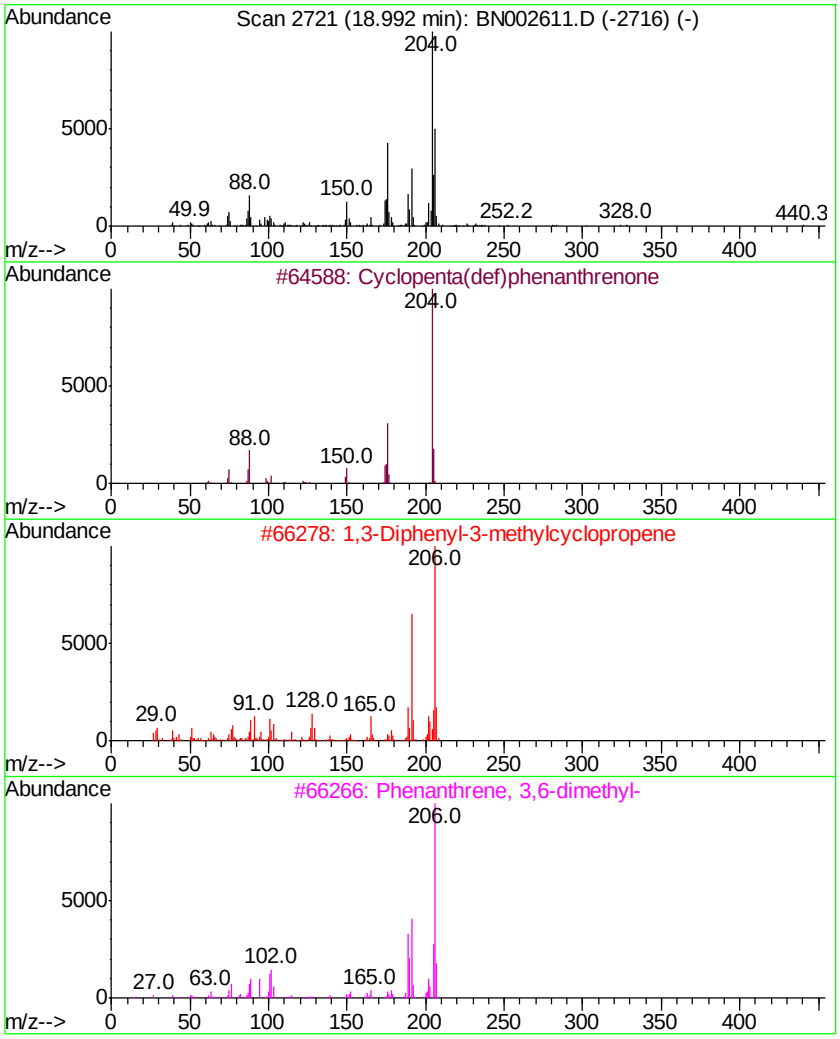
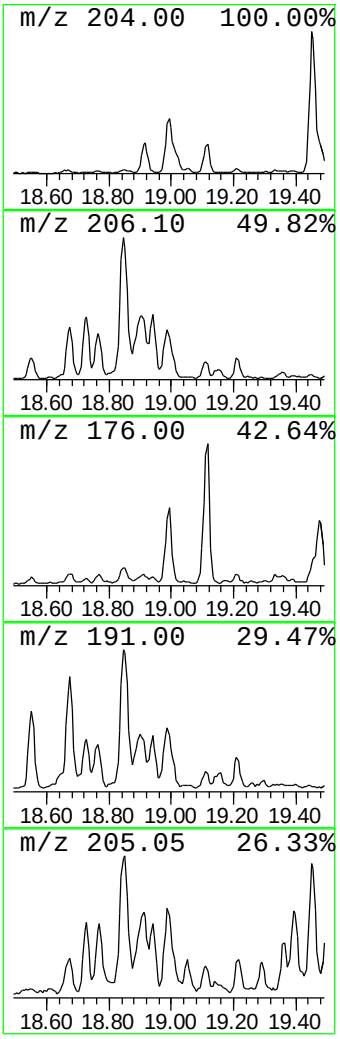
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.21 ng/ul	657829	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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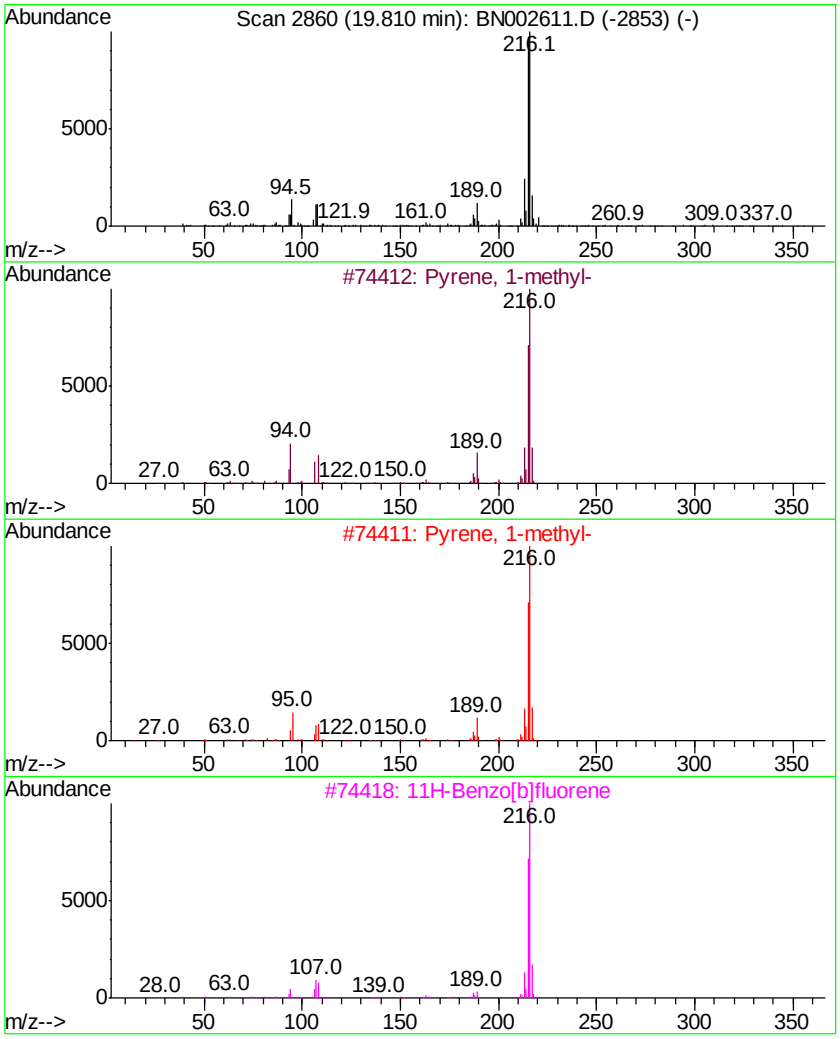
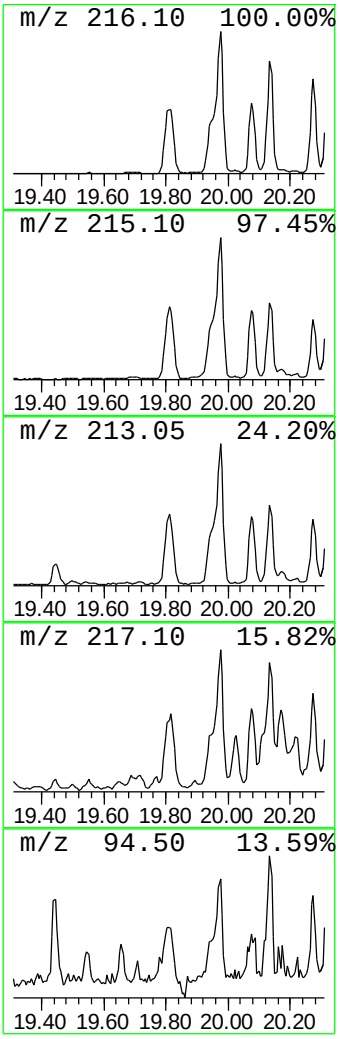
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	3.69 ng/ul	1040570	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Quant Title : SVOA CALIBRATION

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

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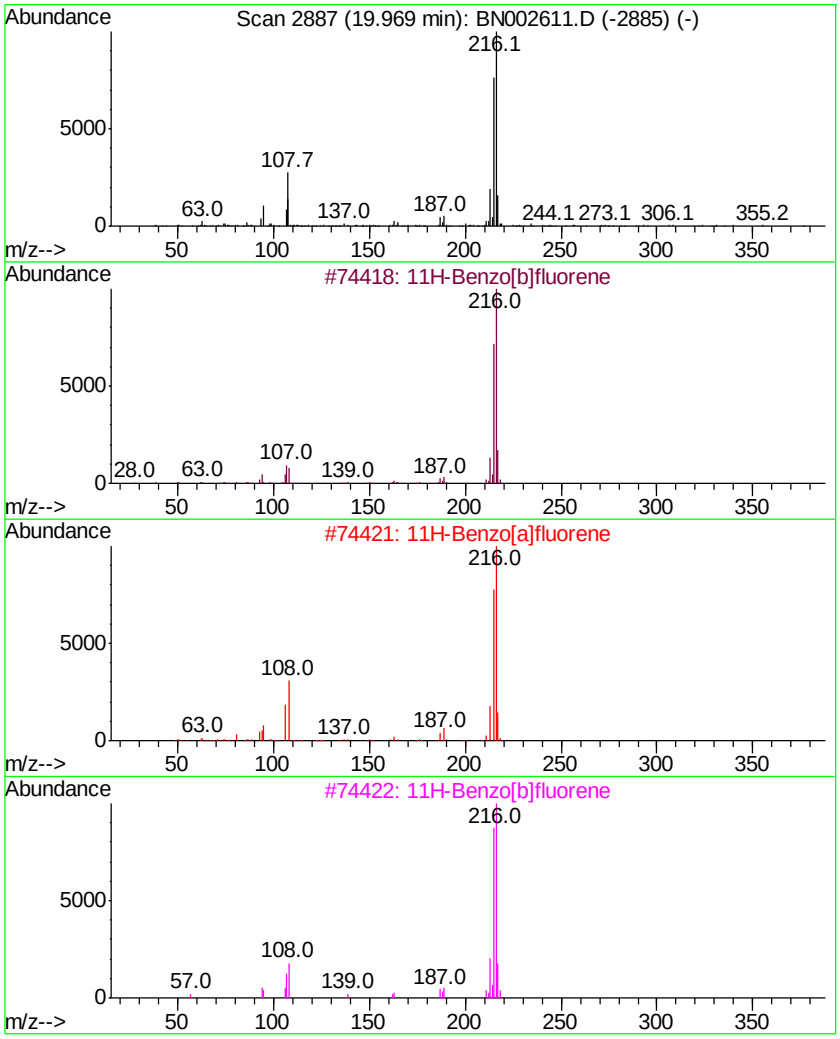
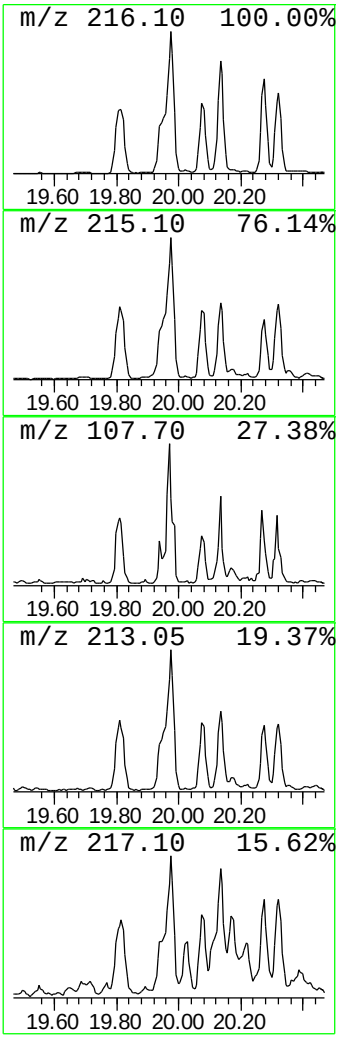
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	3.50 ng/ul	988545	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

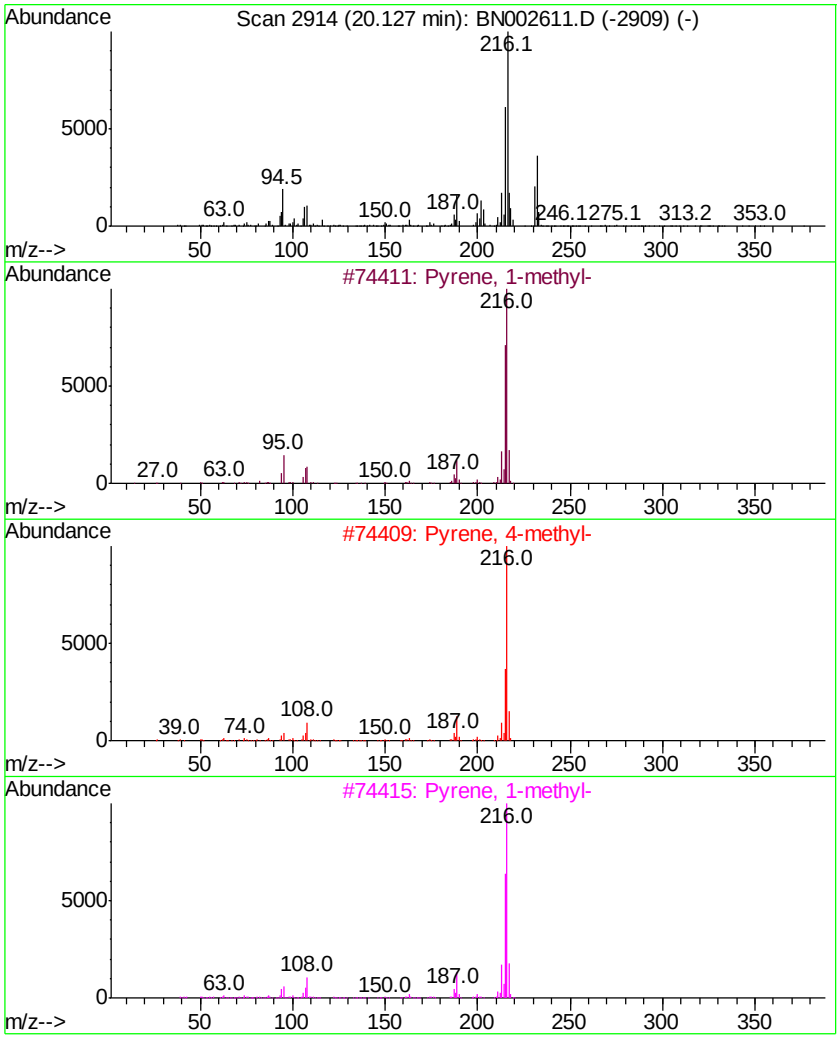
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

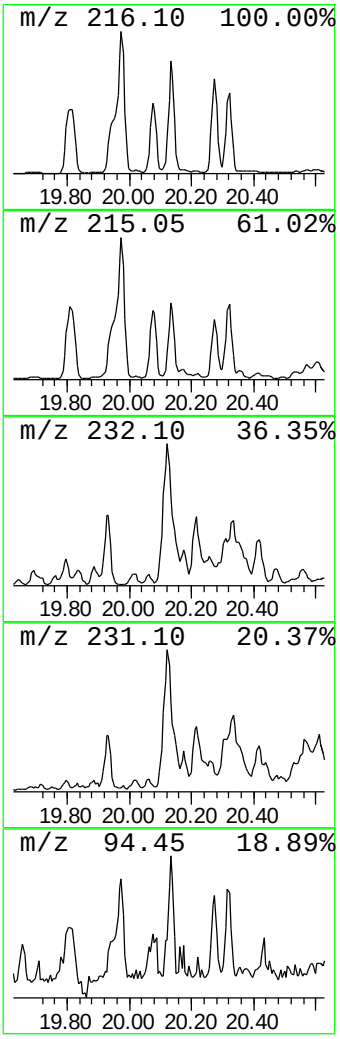
****

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	3.69 ng/ul	1041820	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





Library Search Compound Report

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Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

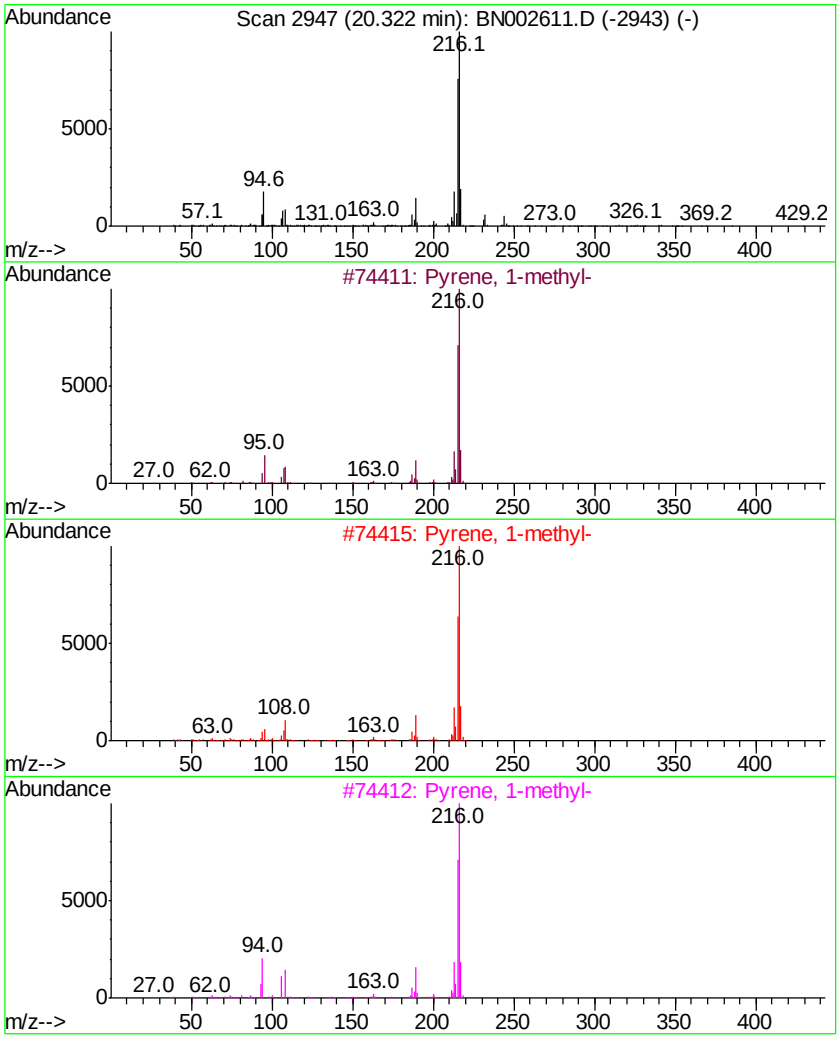
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

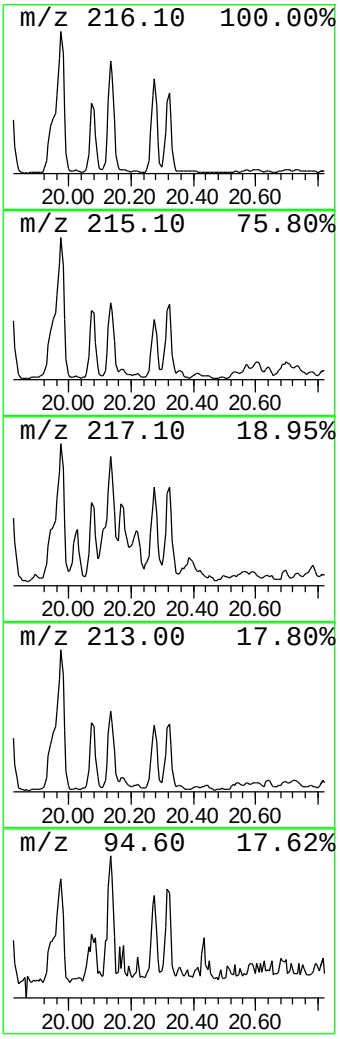
****

Peak Number 16 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.24 ng/ul	632797	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91





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Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

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Quant Title : SVOA CALIBRATION

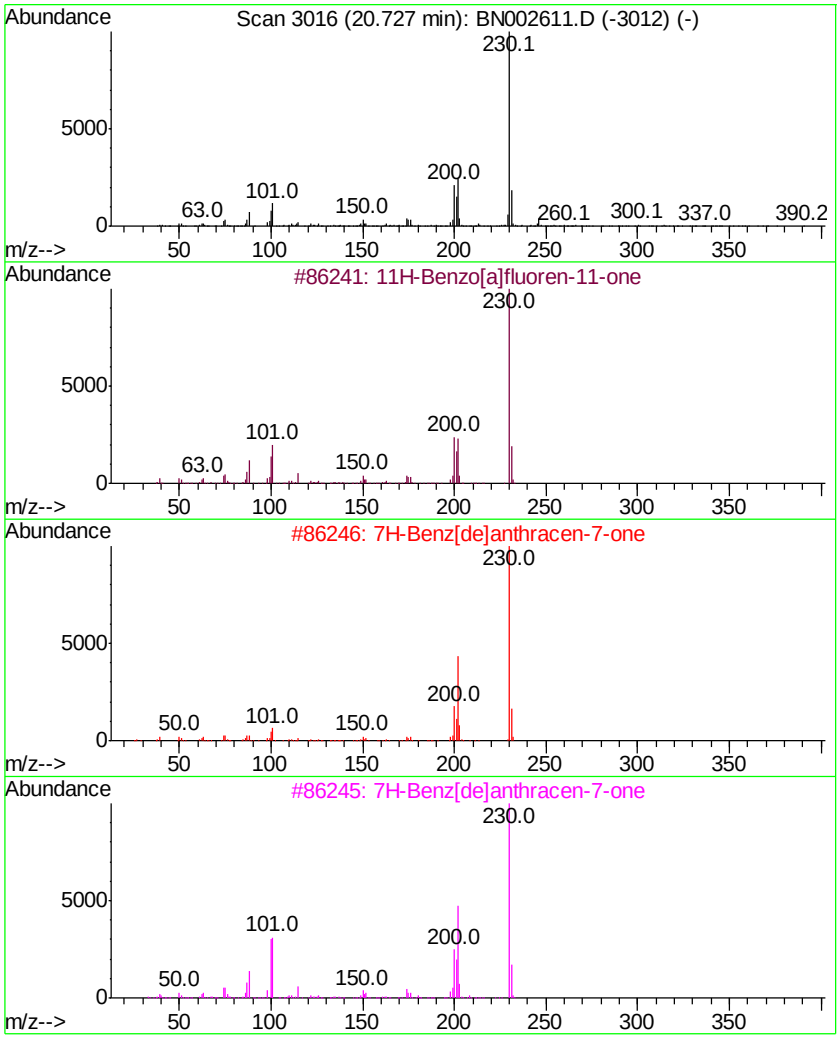
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

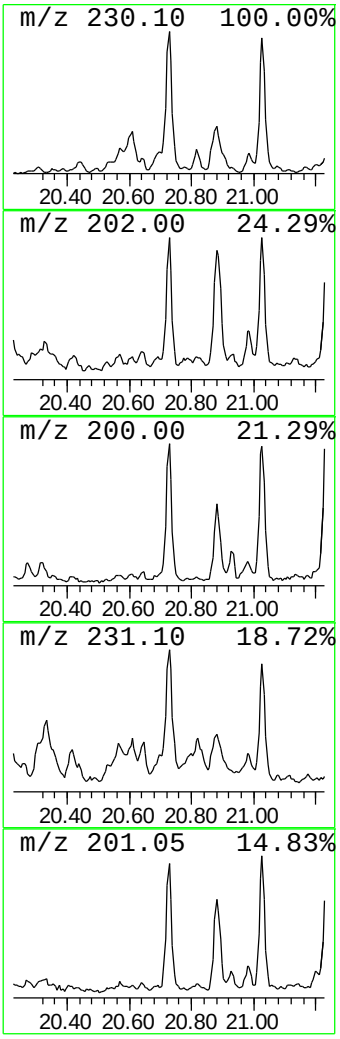
****

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.20 ng/ul	621762	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Library Search Compound Report

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Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

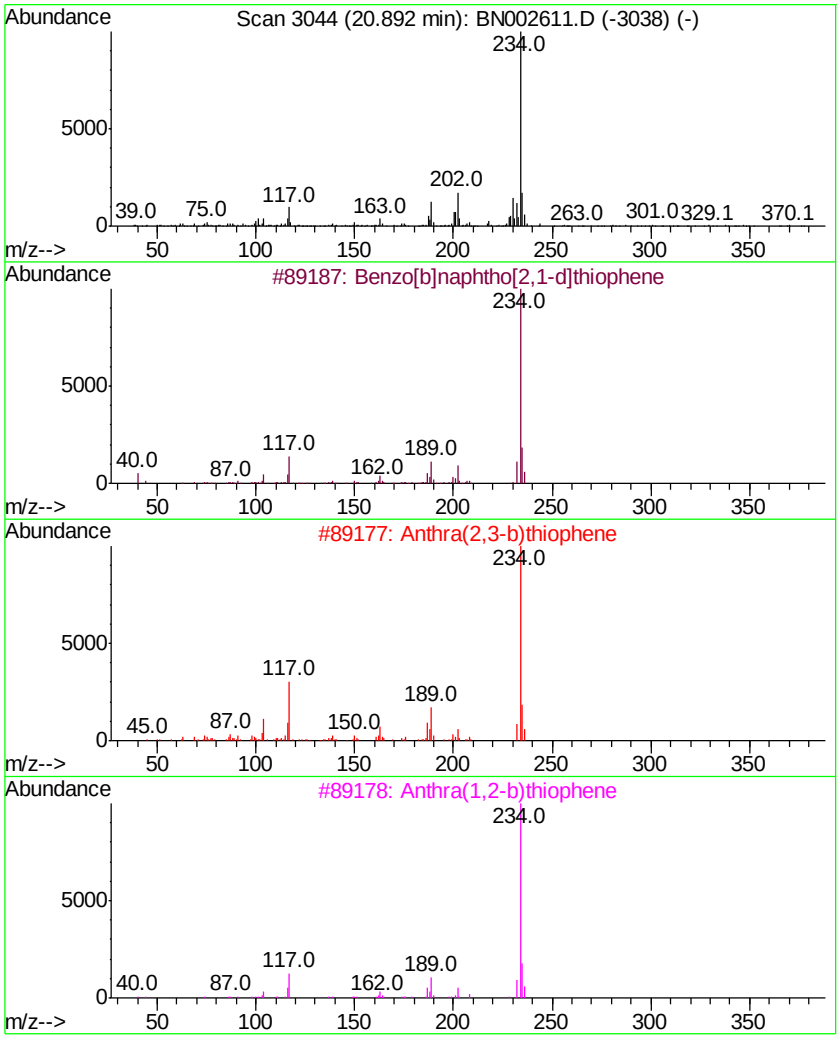
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

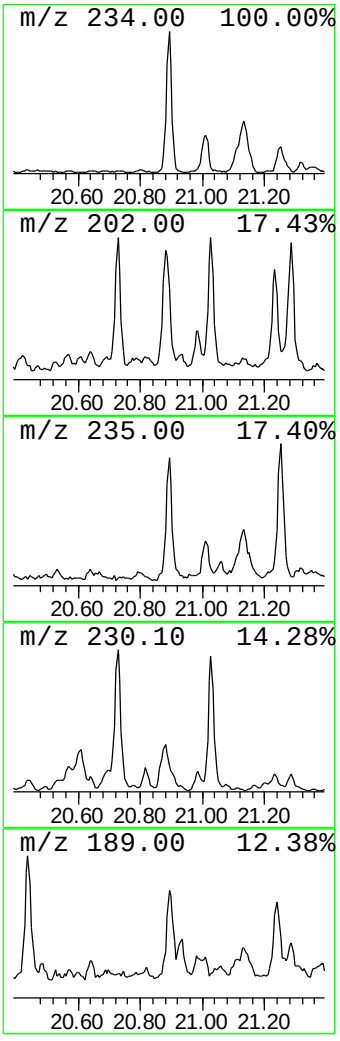
****

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.43 ng/ul	685609	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Acq On : 06 Sep 2018 11:25
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Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

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Quant Title : SVOA CALIBRATION

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

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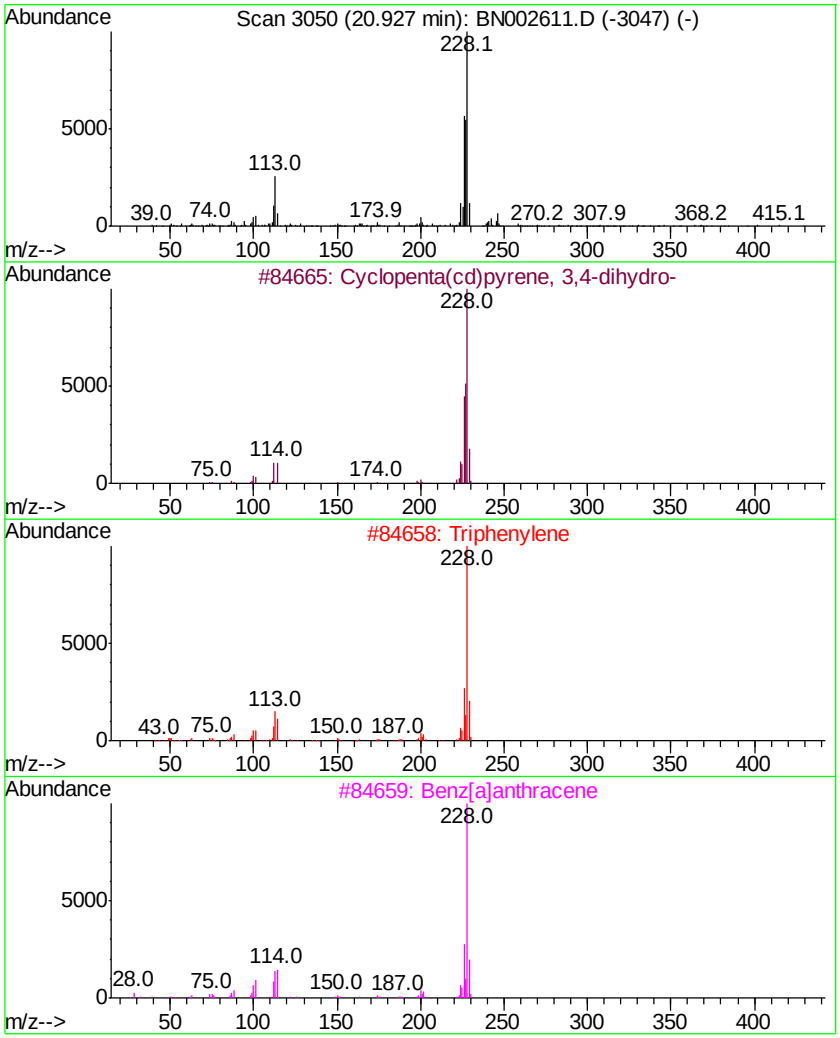
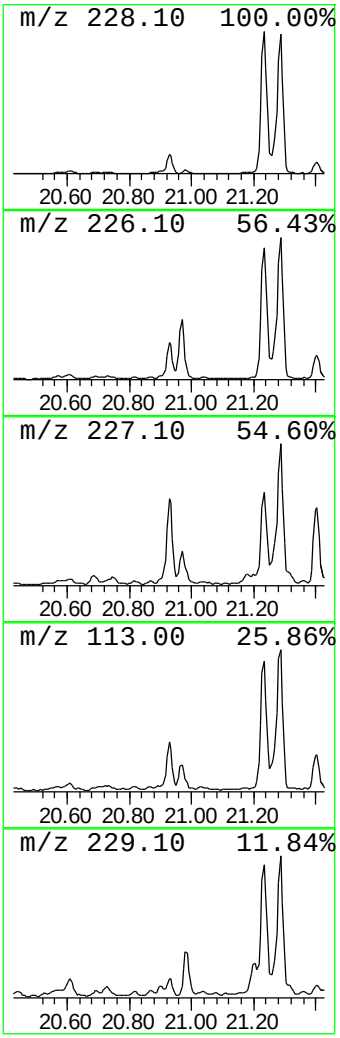
Peak Number 19 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.10 ng/ul	591910	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Triphenylene	228	C18H12	000217-59-4	45
3	Benz[a]anthracene	228	C18H12	000056-55-3	43
4	Triphenylene	228	C18H12	000217-59-4	43
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38





Library Search Compound Report

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Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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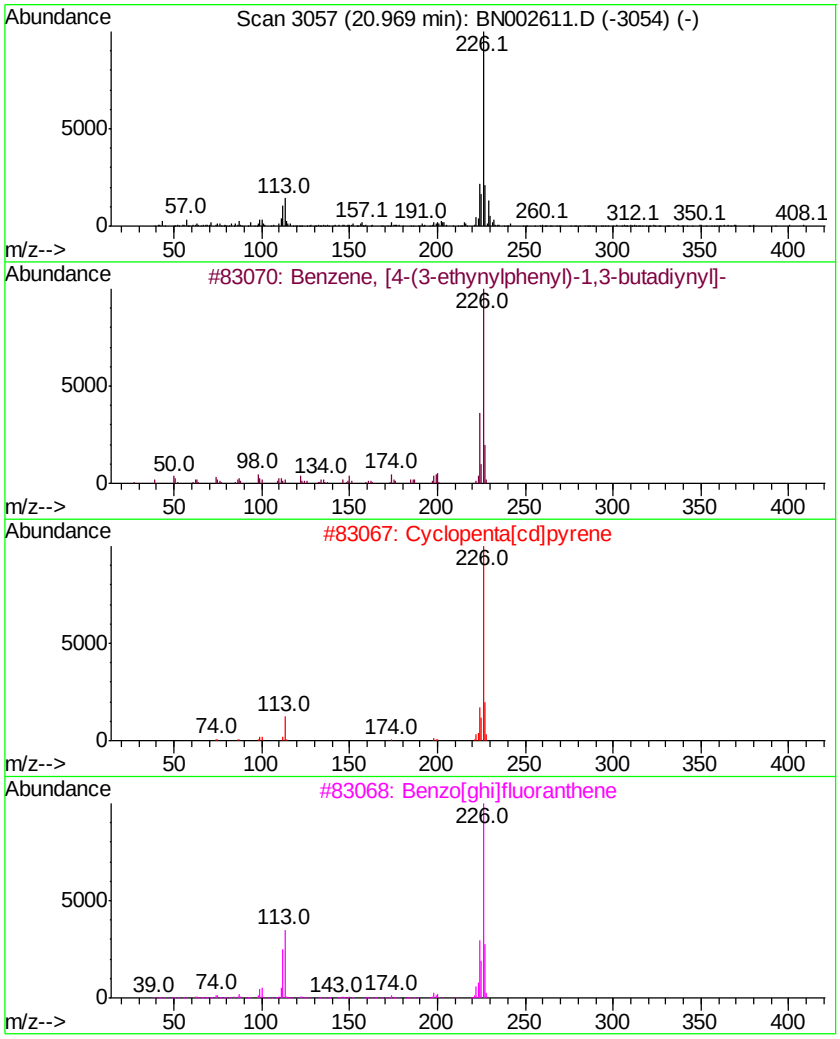
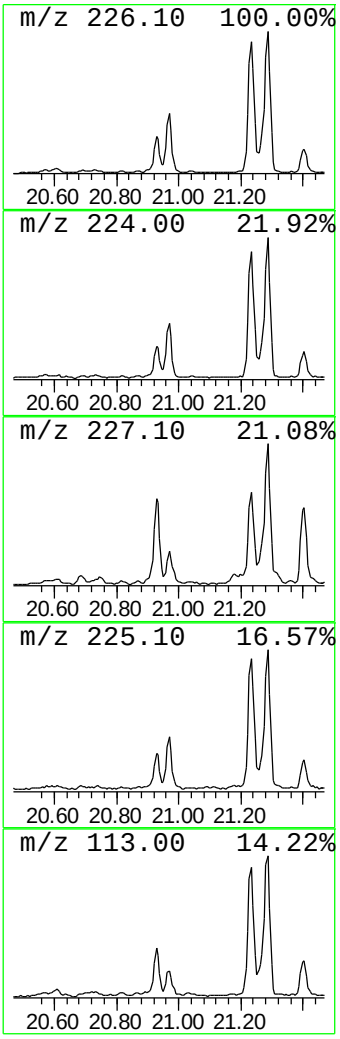
Peak Number 20 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.25 ng/ul	635640	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	35





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Data File : BN002611.D
Acq On : 06 Sep 2018 11:25
Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

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Quant Title : SVOA CALIBRATION

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

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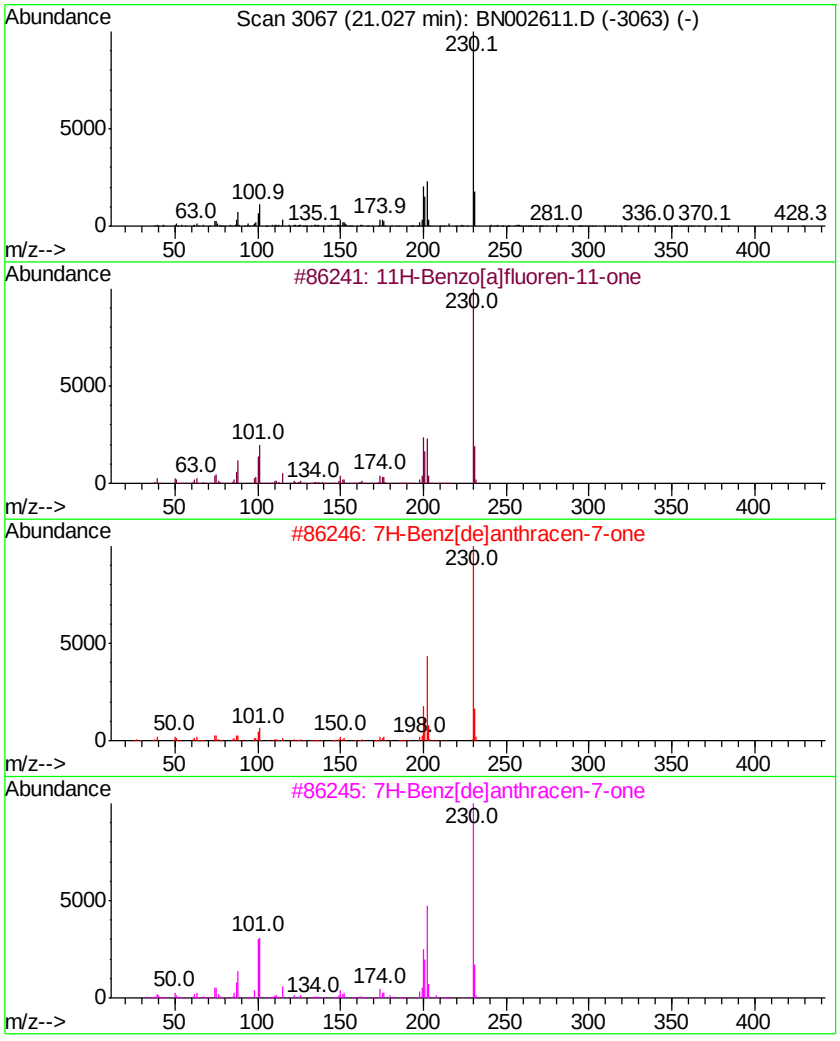
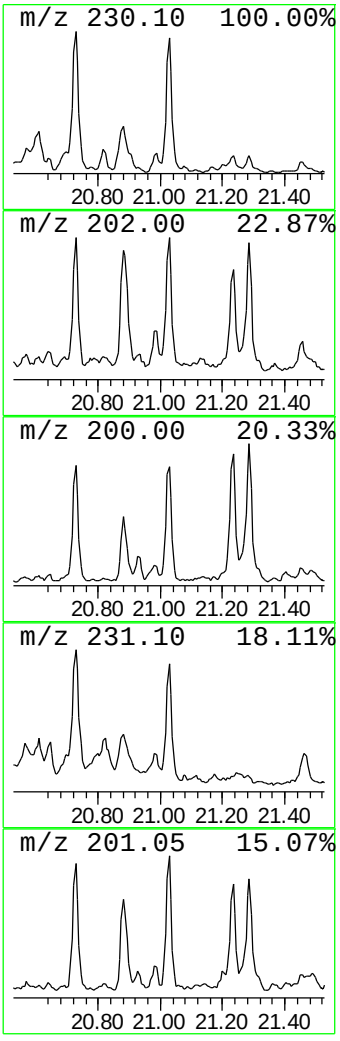
Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.17 ng/ul	612242	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

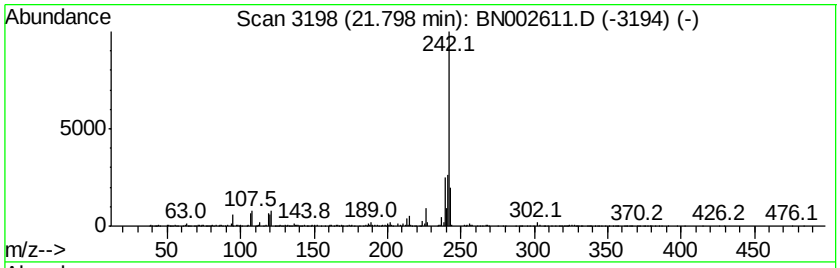
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

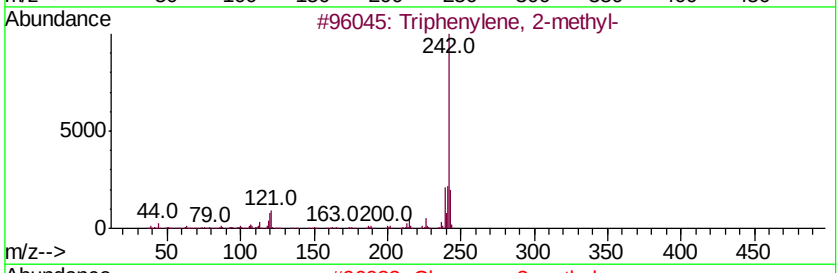
****

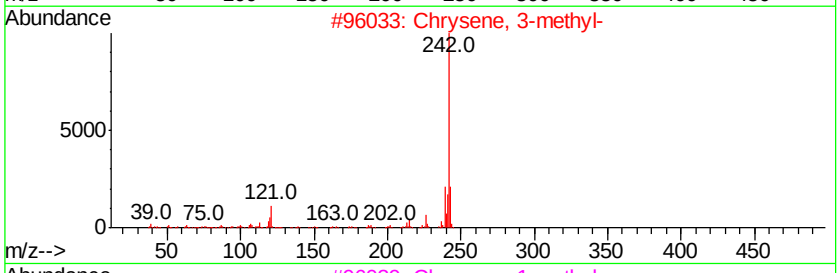
Peak Number 22 Triphenylene, 2-methyl- Concentration Rank 19

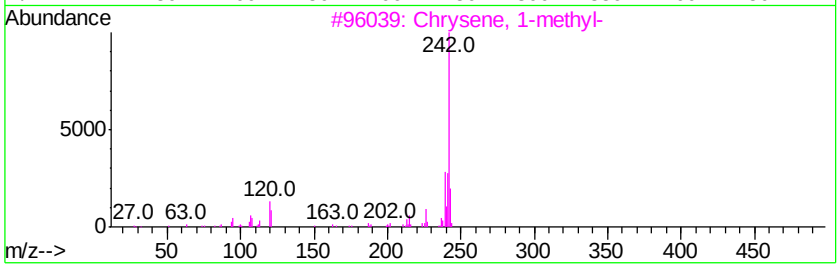
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	2.36 ng/ul	665889	Chrysene-d12	21.25

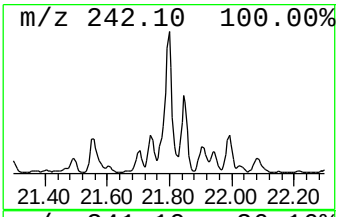
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90

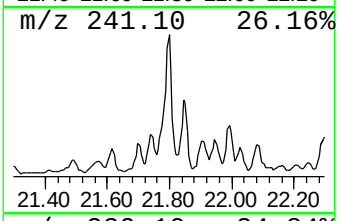


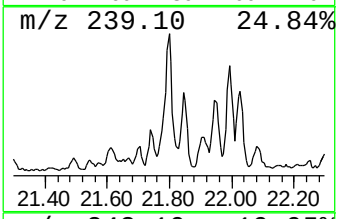


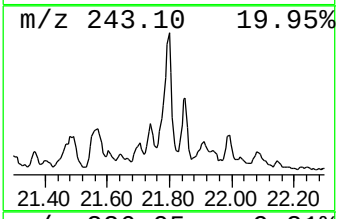


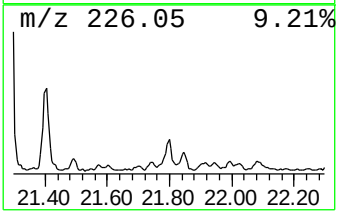












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Operator : JU/SJ
Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

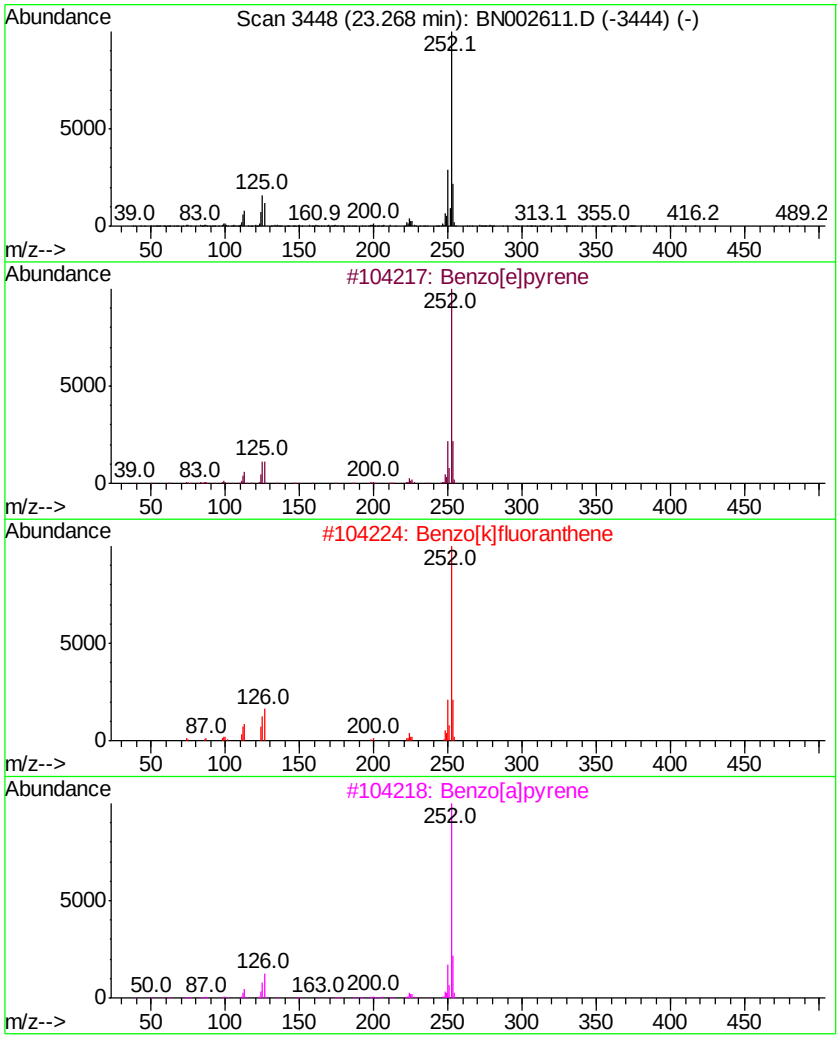
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

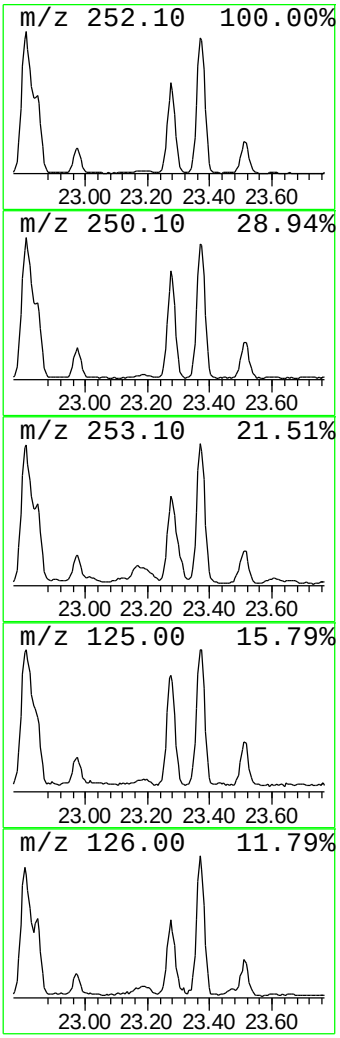
****

Peak Number 24 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	13.60 ng/ul	1169030	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

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Sample : J4688-08DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.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
Anthracene, 1,2,3...	16.80	2.8	ng/ul	429032	4	17.05	3125640	20.0
Dibenzothiophene	16.86	3.0	ng/ul	469540	4	17.05	3125640	20.0
Phenanthrene, 2-m...	17.92	8.4	ng/ul	1310210	4	17.05	3125640	20.0
Phenanthrene, 1-m...	17.97	10.4	ng/ul	1625520	4	17.05	3125640	20.0
1H-Cyclopropa[l]p...	18.05	3.9	ng/ul	610729	4	17.05	3125640	20.0
Benzaldehyde, 3,5...	18.12	12.3	ng/ul	1919550	4	17.05	3125640	20.0
5H-Dibenzo[a,d]cy...	18.15	5.0	ng/ul	786526	4	17.05	3125640	20.0
5,16[1',2']:8,13[...	18.43	4.4	ng/ul	694528	4	17.05	3125640	20.0
9,10-Anthracenedione	18.47	2.7	ng/ul	424511	4	17.05	3125640	20.0
Phenanthrene, 2,5...	18.85	5.5	ng/ul	862712	4	17.05	3125640	20.0
Naphthalene, 2-ph...	18.91	3.0	ng/ul	466862	4	17.05	3125640	20.0
Cyclopenta(def)ph...	18.99	4.2	ng/ul	657829	4	17.05	3125640	20.0
Pyrene, 1-methyl-	19.81	3.7	ng/ul	1040570	5	21.25	5645290	20.0
11H-Benzo[b]fluorene	19.97	3.5	ng/ul	988545	5	21.25	5645290	20.0
Pyrene, 4-methyl-	20.13	3.7	ng/ul	1041820	5	21.25	5645290	20.0
unknown-01	20.32	2.2	ng/ul	632797	5	21.25	5645290	20.0
11H-Benzo[a]fluor...	20.73	2.2	ng/ul	621762	5	21.25	5645290	20.0
Benzo[b]naphtho[2...	20.89	2.4	ng/ul	685609	5	21.25	5645290	20.0
unknown-02	20.93	2.1	ng/ul	591910	5	21.25	5645290	20.0
unknown-03	20.97	2.3	ng/ul	635640	5	21.25	5645290	20.0
7H-Benz[de]anthra...	21.03	2.2	ng/ul	612242	5	21.25	5645290	20.0
Triphenylene, 2-m...	21.80	2.4	ng/ul	665889	5	21.25	5645290	20.0
Benzo[e]pyrene	23.27	13.6	ng/ul	1169030	6	23.47	1719750	20.0