LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

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_N\METHODS\SOM-EPA-BN100220.M
Title : SVOA CALIBRATION

Signal : TIC: BN012099.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.652	784	793	805	rBV	1866857	2957950	15.51%	1.537%
2	10.428	1255	1265	1271	rBV	2533613	4153450	21.77%	2.159%
3	10.481	1271	1274	1283	rVB	184802	277187	1.45%	0.144%
4	12.099	1542	1549	1557	rBV	284885	456480	2.39%	0.237%
5	12.316	1576	1586	1593	rBV	292069	496363	2.60%	0.258%
6	13.469	1770	1782	1790	rBV3	177495	490768	2.57%	0.255%
7	13.616	1800	1807	1812	rBV	386791	679264	3.56%	0.353%
8	13.663	1812	1815	1819	rVV	224747	335745	1.76%	0.175%
9	13.704	1819	1822	1827	rVV	218442	309865	1.62%	0.161%
10	13.851	1841	1847	1850	rBV	205847	313037	1.64%	0.163%
11	13.987	1863	1870	1872	rVV	257578	412651	2.16%	0.214%
12	14.016	1872	1875	1886	rVB	515324	726563	3.81%	0.378%
13	14.293	1913	1922	1928	rBV	3541623	5448267	28.56%	2.832%
14	14.357	1928	1933	1941	rVV	958895	1479707	7.76%	0.769%
15	14.504	1951	1958	1968	rBV2	152961	384220	2.01%	0.200%
16	14.604	1968	1975	1980	rBV2	154431	284779	1.49%	0.148%
17	14.698	1980	1991	1998	rBV	1019219	1571394	8.24%	0.817%
18	14.775	1998	2004	2009	rBV	208964	283328	1.49%	0.147%
19	14.916	2022	2028	2033	rBV	179729	338145	1.77%	0.176%
20	14.969	2033	2037	2042	rVB	172568	237973	1.25%	0.124%
21	15.093	2050	2058	2060	rBV2	168015	318780	1.67%	0.166%
22	15.293	2087	2092	2096	rVB2	331438	469638	2.46%	0.244%
23	15.345	2096	2101	2107	rBV	2072258	2956806	15.50%	1.537%
24	15.440	2113	2117	2119	rBV2	167074	226442	1.19%	0.118%
25	15.469	2119	2122	2126	rVV2	305432	460244	2.41%	0.239%
26	15.510	2126	2129	2134	rVV3	329086	487341	2.55%	0.253%
27	15.557	2134	2137	2141	rVV2	167129	268106	1.41%	0.139%
28	15.598	2141	2144	2147	rVV	169096	241742	1.27%	0.126%
29	15.640	2147	2151	2161	rVB	459373	822532	4.31%	0.428%
30	15.787	2169	2176	2184	rVB	472523	984495	5.16%	0.512%
31	15.881	2184	2192	2200	rVB5	143524	367203	1.93%	0.191%
32	16.022	2207	2216	2224	rVB5	168046	357049	1.87%	0.186%
33	16.351	2261	2272	2277	rBV3	534160	1264979	6.63%	0.658%
34	16.398	2277	2280	2286	rVV2	367348	574622	3.01%	0.299%
35	16.504	2294	2298	2302	rVB2	284187	433948	2.27%	0.226%
36	16.581	2308	2311	2314	rVV2	173136	244934	1.28%	0.127%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

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_N\METHODS\SOM-EPA-BN100220.M
Title : SVOA CALIBRATION

37	16.622	2314	2318	2322	rVB3	251182	354505	1.86%	0.184%
38	16.698	2327	2331	2338	rVV3	274444	485257	2.54%	0.252%
39	16.775	2338	2344	2355	rVV4	296040	902108	4.73%	0.469%
40	16.863	2355	2359	2369	rVB	849809	1281550	6.72%	0.666%
41	17.045	2384	2390	2393	rBV	4126807	5771820	30.26%	3.000%
42	17.092	2393	2398	2403	rVV	13544057	19074643	100.00%	9.915%
43	17.145	2403	2407	2408	rVV	515659	633339	3.32%	0.329%
44	17.175	2408	2412	2418	rVB	3622157	4984058	26.13%	2.591%
45	17.234	2418	2422	2428	rBV3	311414	525464	2.75%	0.273%
46	17.451	2448	2459	2463	rBV	814943	1431739	7.51%	0.744%
47	17.569	2475	2479	2482	rBV	205501	259259	1.36%	0.135%
48	17.622	2484	2488	2498	rVB2	400741	648134	3.40%	0.337%
49	17.769	2508	2513	2521	rVB2	260554	475954	2.50%	0.247%
50	17.922	2529	2539	2543	rBV	2180393	3315354	17.38%	1.723%
51	17.969	2543	2547	2553	rVB	2816797	3767837	19.75%	1.958%
52	18.045	2553	2560	2566	rBV	1145383	1835297	9.62%	0.954%
53	18.116	2566	2572	2576	rVV2	2737890	5291387	27.74%	2.750%
54	18.151	2576	2578	2585	rVB	1541079	1793053	9.40%	0.932%
55	18.228	2587	2591	2595	rBV4	113740	244218	1.28%	0.127%
56	18.322	2602	2607	2611	rVB3	176317	267223	1.40%	0.139%
57	18.428	2620	2625	2628	rVV	1191556	1637487	8.58%	0.851%
58	18.463	2628	2631	2637	rVB2	381576	588867	3.09%	0.306%
59	18.551	2642	2646	2651	rBV	231501	324396	1.70%	0.169%
60	18.675	2663	2667	2671	rVV	625466	870001	4.56%	0.452%
61	18.728	2672	2676	2679	rVV	489299	697261	3.66%	0.362%
62	18.763	2679	2682	2686	rVB	447544	555722	2.91%	0.289%
63	18.845	2691	2696	2701	rBV	1283524	2139714	11.22%	1.112%
64	18.910	2701	2707	2710	rVV3	723839	1524613	7.99%	0.792%
65	18.939	2710	2712	2716	rVB	402792	436448	2.29%	0.227%
66	18.986	2716	2720	2728	rBV2	588200	1280031	6.71%	0.665%
67	19.116	2736	2742	2747	rBV	11011052	14792866	77.55%	7.689%
68	19.181	2749	2753	2755	rVV2	270716	380875	2.00%	0.198%
69	19.210	2755	2758	2763	rVB2	346608	495127	2.60%	0.257%
70	19.310	2770	2775	2778	rBV5	212672	393449	2.06%	0.205%
71	19.357	2779	2783	2786	rVV2	512036	763873	4.00%	0.397%
72	19.392	2787	2789	2793	rVV	300927	391694	2.05%	0.204%
73	19.451	2793	2799	2800	rVV	2205670	3178599	16.66%	1.652%
74	19.481	2800	2804	2812	rVV	9114106	13094778	68.65%	6.806%
75	19.551	2812	2816	2823	rVB2	696409	1274180	6.68%	0.662%
76	19.657	2830	2834	2840	rBV2	562233	871339	4.57%	0.453%

LSC Area Percent Report

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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

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_N\METHODS\SOM-EPA-BN100220.M
Title : SVOA CALIBRATION

77	19.716	2841	2844	2849	rVB2	530489	764561	4.01%	0.397%
78	19.810	2854	2860	2866	rBV4	749375	1828479	9.59%	0.950%
79	19.939	2878	2882	2884	rBV2	549455	812211	4.26%	0.422%
80	19.975	2885	2888	2893	rVB	1933387	2583350	13.54%	1.343%
81	20.081	2902	2906	2909	rBV	1461134	1819749	9.54%	0.946%
82	20.133	2910	2915	2919	rVV2	1184364	1876396	9.84%	0.975%
83	20.175	2920	2922	2926	rVV2	320480	373466	1.96%	0.194%
84	20.216	2927	2929	2935	rVB4	234840	308985	1.62%	0.161%
85	20.275	2935	2939	2943	rBV	778084	1007669	5.28%	0.524%
86	20.322	2943	2947	2952	rVB2	839794	1136193	5.96%	0.591%
87	20.728	3013	3016	3023	rVB	647066	1037155	5.44%	0.539%
88	20.892	3041	3044	3048	rVB	640909	822347	4.31%	0.427%
89	20.933	3048	3051	3054	rVB	940009	1010620	5.30%	0.525%
90	20.975	3054	3058	3063	rBV2	777632	1276666	6.69%	0.664%
91	21.028	3063	3067	3074	rVB3	1207724	1803410	9.45%	0.937%
92	21.239	3098	3103	3108	rBV2	6951052	13847395	72.60%	7.198%
93	21.286	3108	3111	3121	rVB	4704667	6127584	32.12%	3.185%
94	21.404	3128	3131	3137	rBV2	664319	1058042	5.55%	0.550%
95	21.798	3195	3198	3202	rVB	1116625	1283167	6.73%	0.667%
96	21.845	3204	3206	3213	rVB2	911989	995073	5.22%	0.517%
97	22.798	3363	3368	3374	rBV	2854938	6367846	33.38%	3.310%
98	23.269	3444	3448	3454	rVB	1299961	2107072	11.05%	1.095%
99	23.363	3459	3464	3471	rVB	2635871	4920393	25.80%	2.558%
100	23.463	3475	3481	3486	rBV	3299486	6071133	31.83%	3.156%

Sum of corrected areas: 192388478

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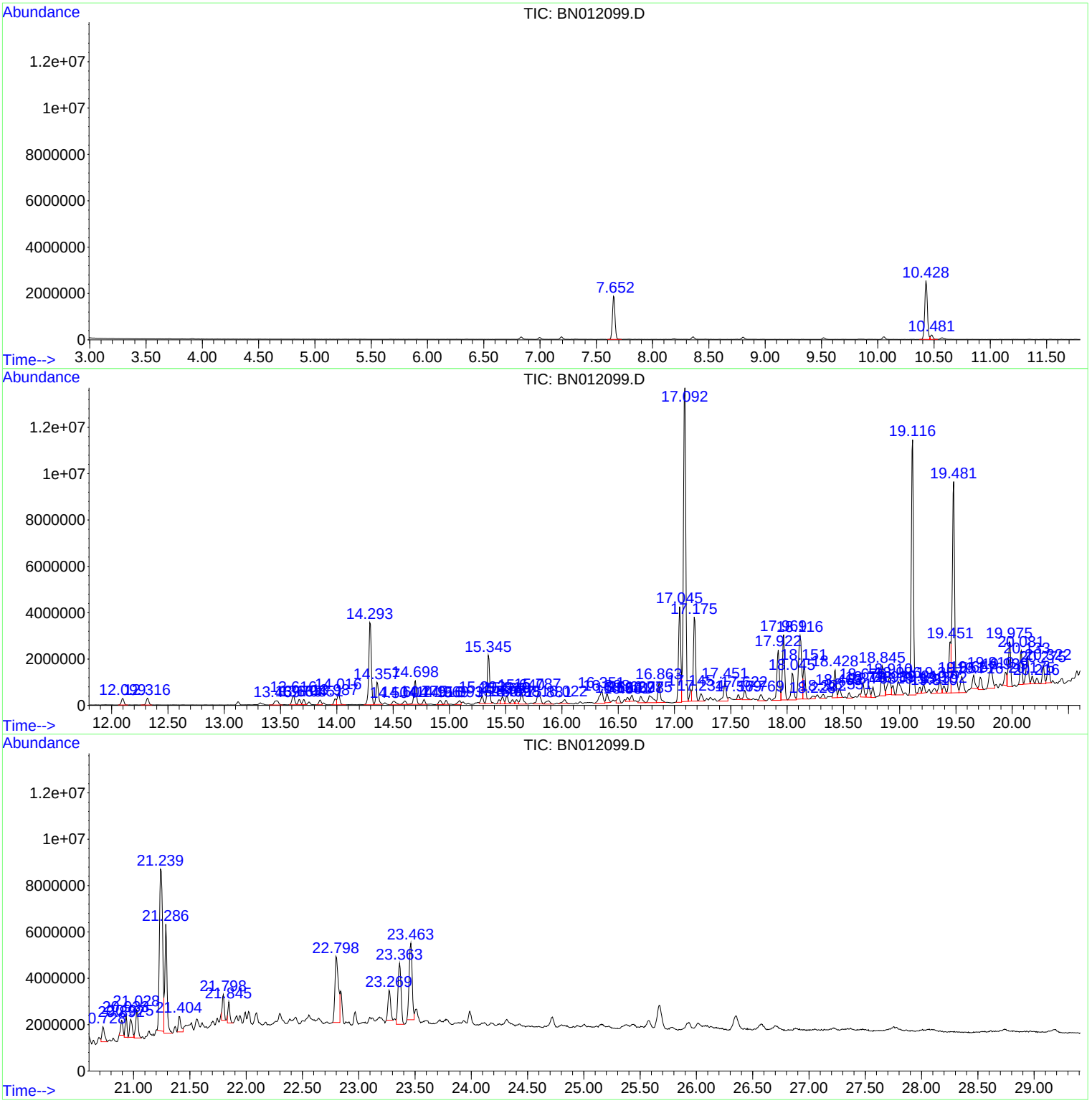
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
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Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

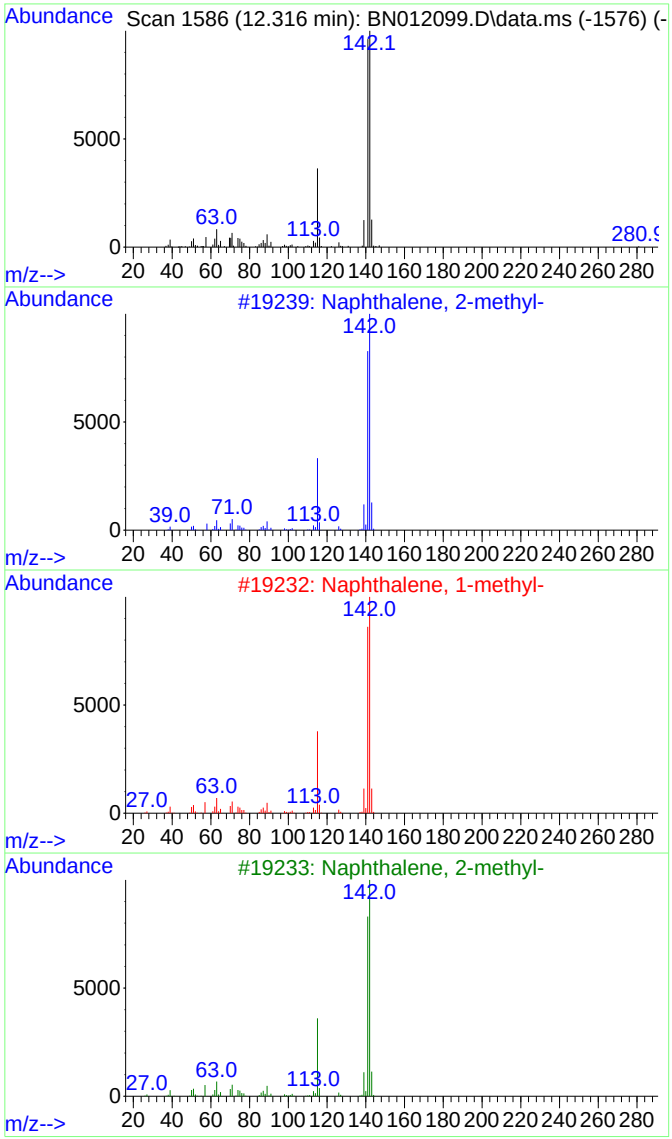
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

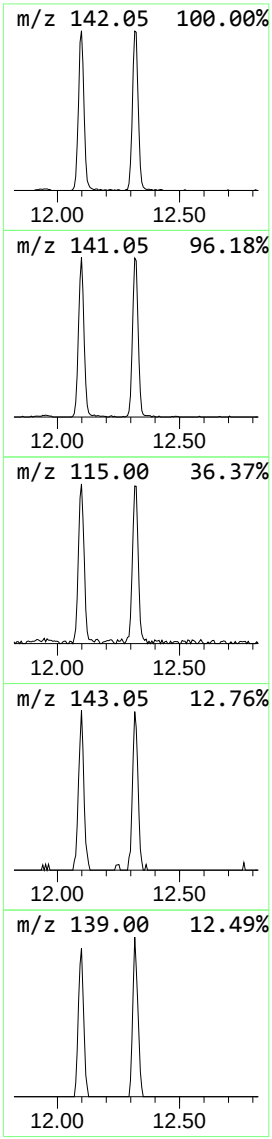
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.320	2.39 ng/ul	496363	Naphthalene-d8	10.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AS2DL

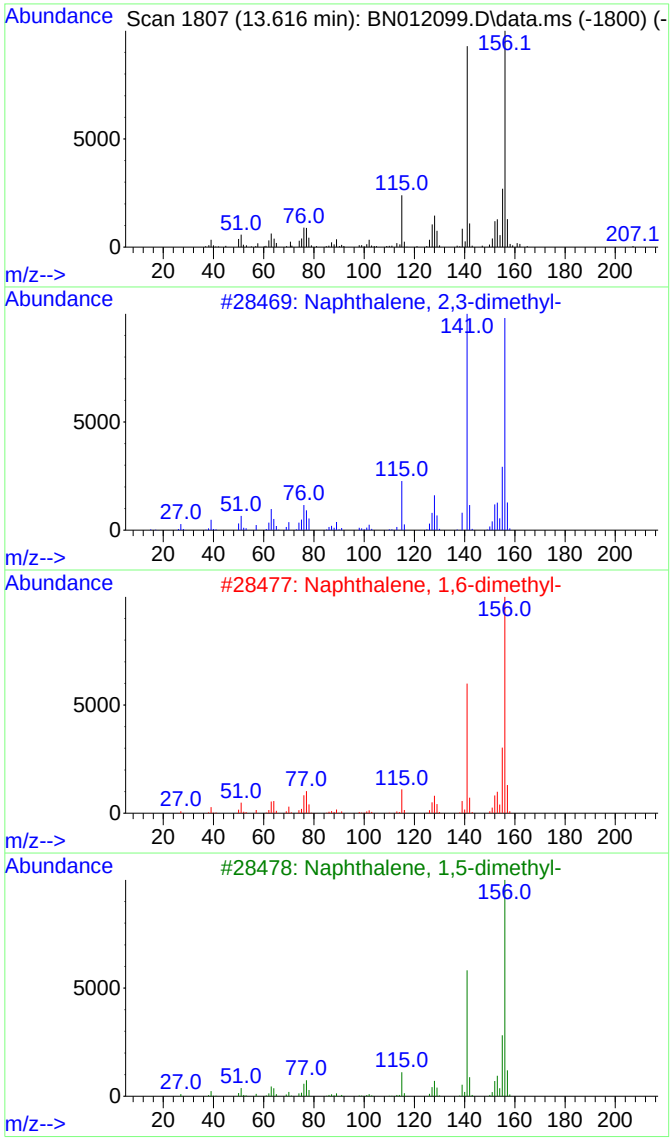
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

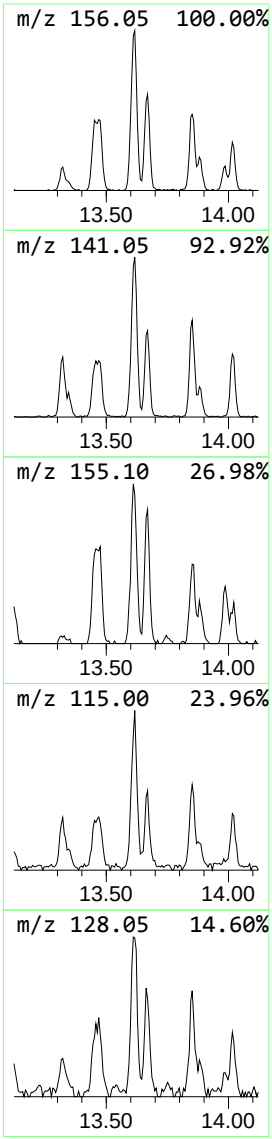
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.620	2.49 ng/ul	679264	Acenaphthene-d10	14.293

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Data File : BN012099.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

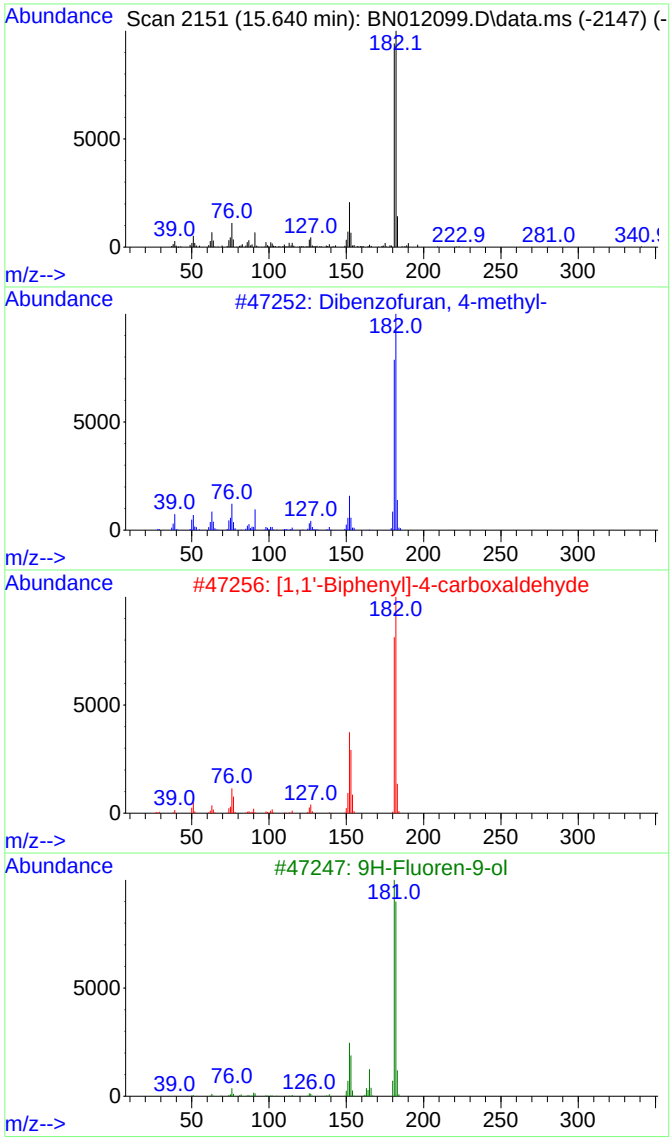
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

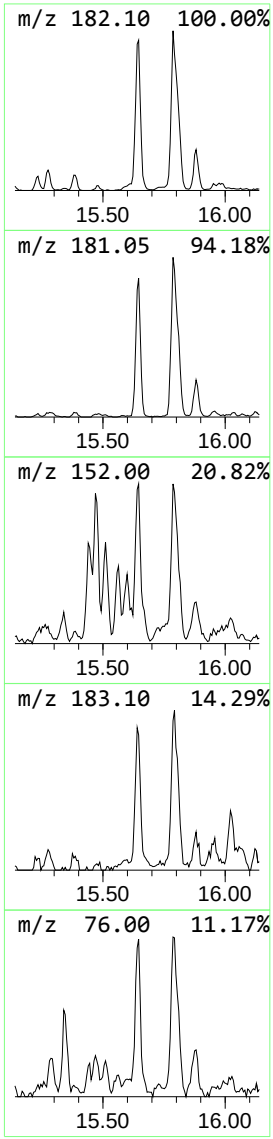
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.640	3.02 ng/ul	822532	Acenaphthene-d10	14.293

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

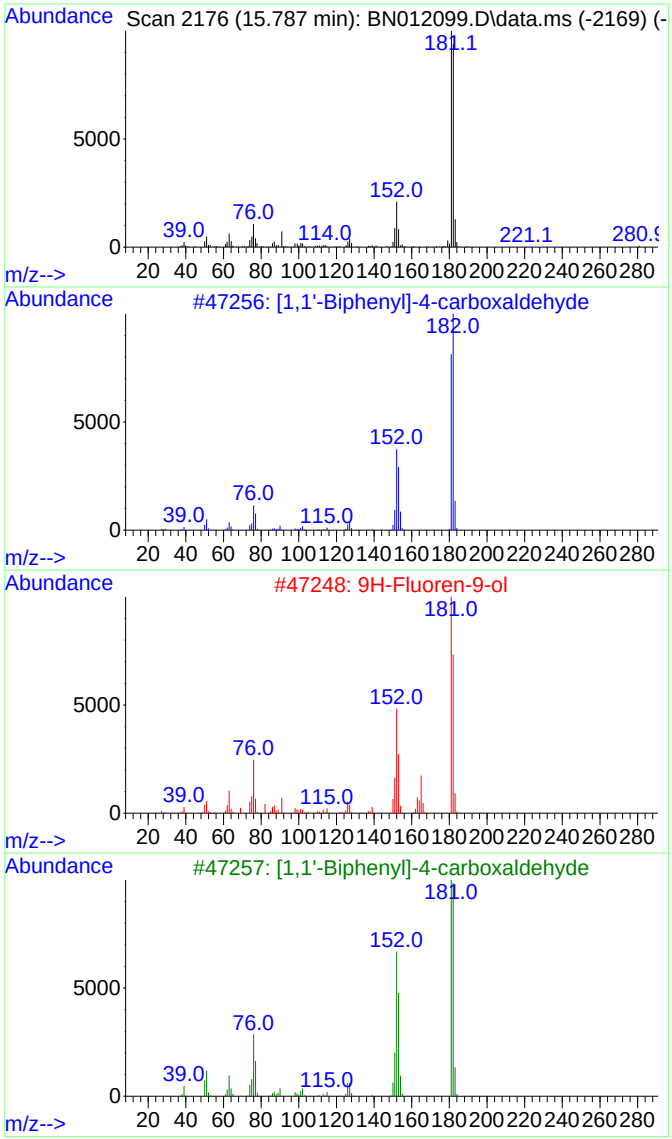
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

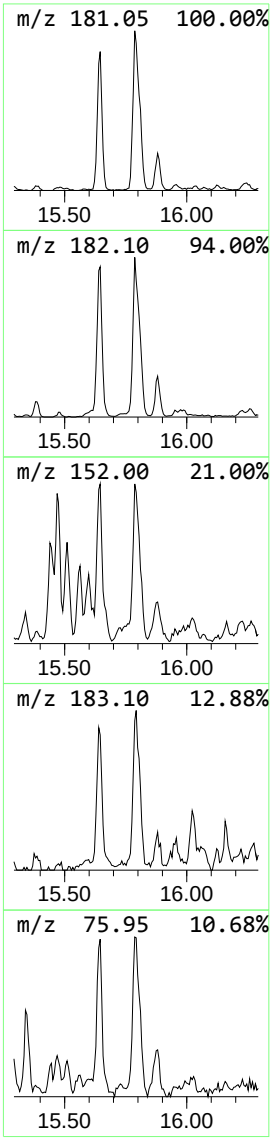
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.790	3.41 ng/ul	984495	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

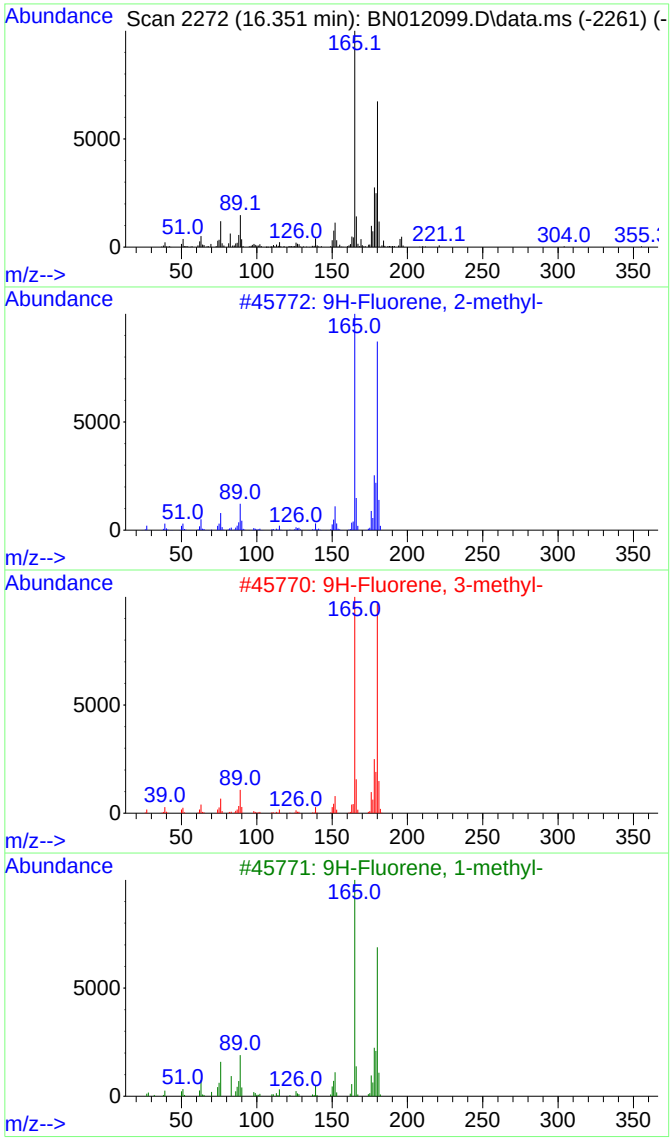
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

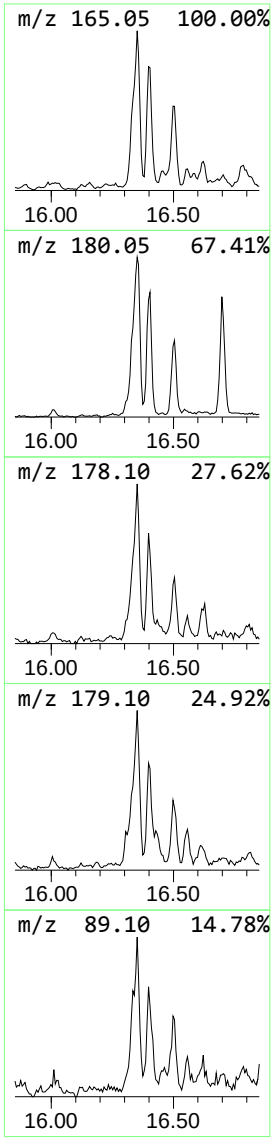
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.350	4.38 ng/ul	1264980	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

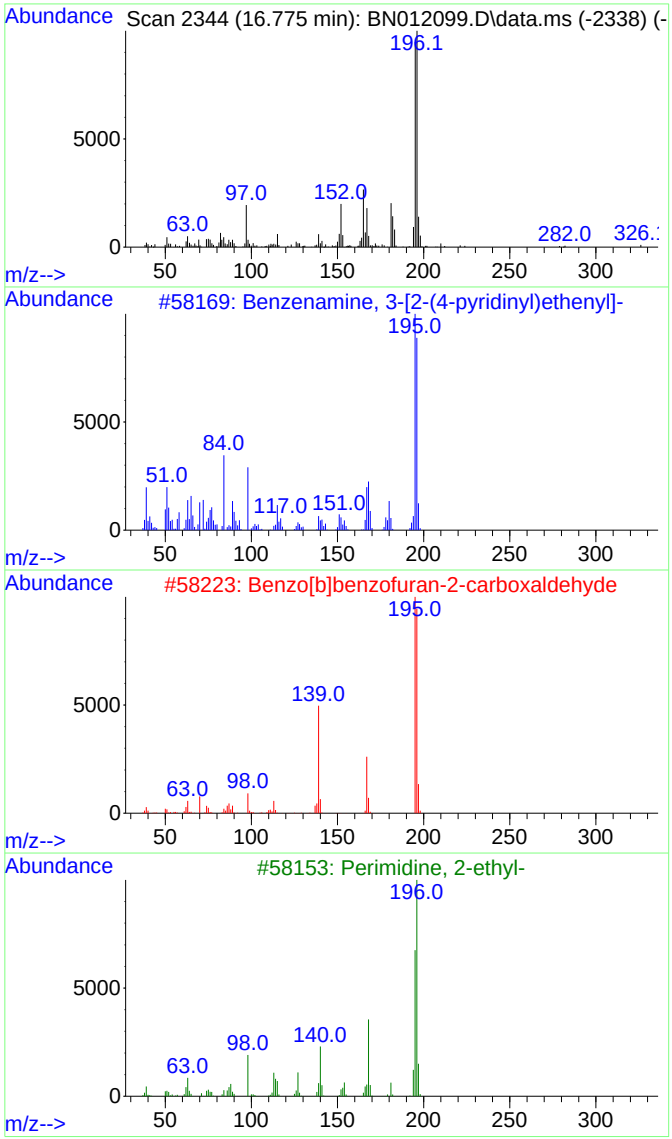
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

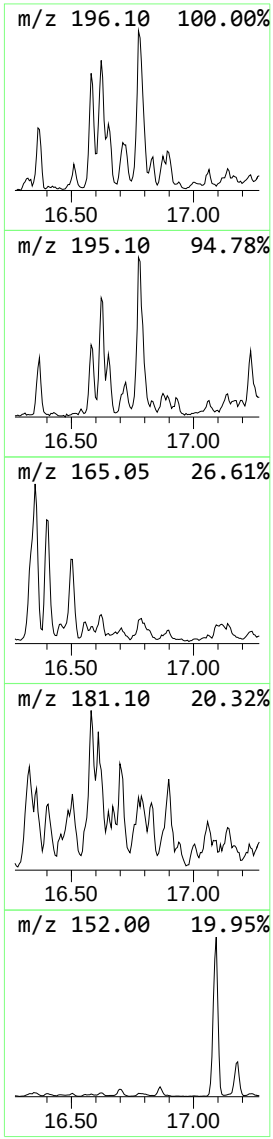
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.770	3.13 ng/ul	902108	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	50
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	47
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	47
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46





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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

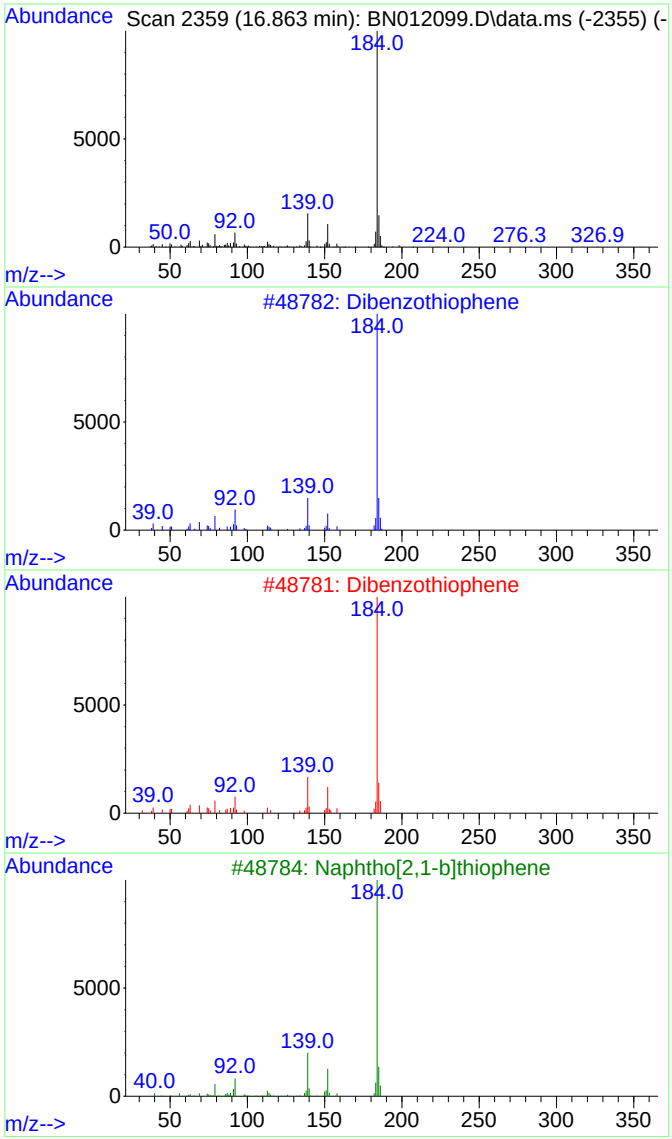
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

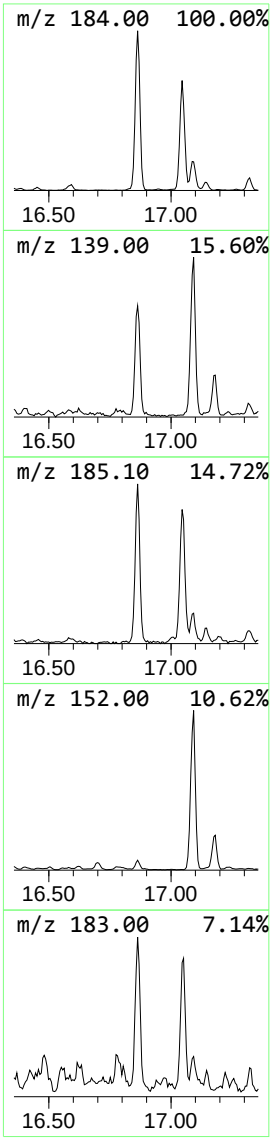
****

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.860	4.44 ng/ul	1281550	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AS2DL

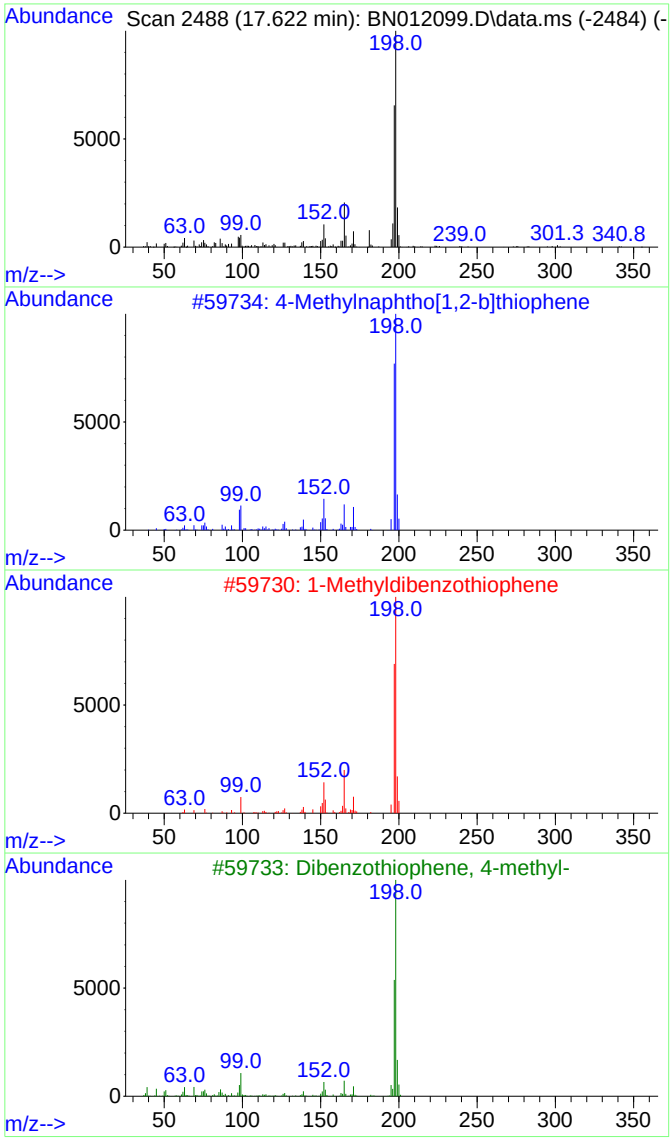
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

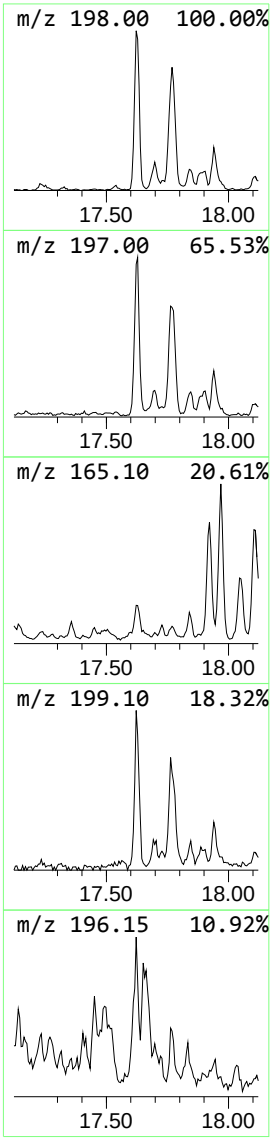
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.620	2.25 ng/ul	648134	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5	Thioxanthene	198	C13H10S	000261-31-4	64





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

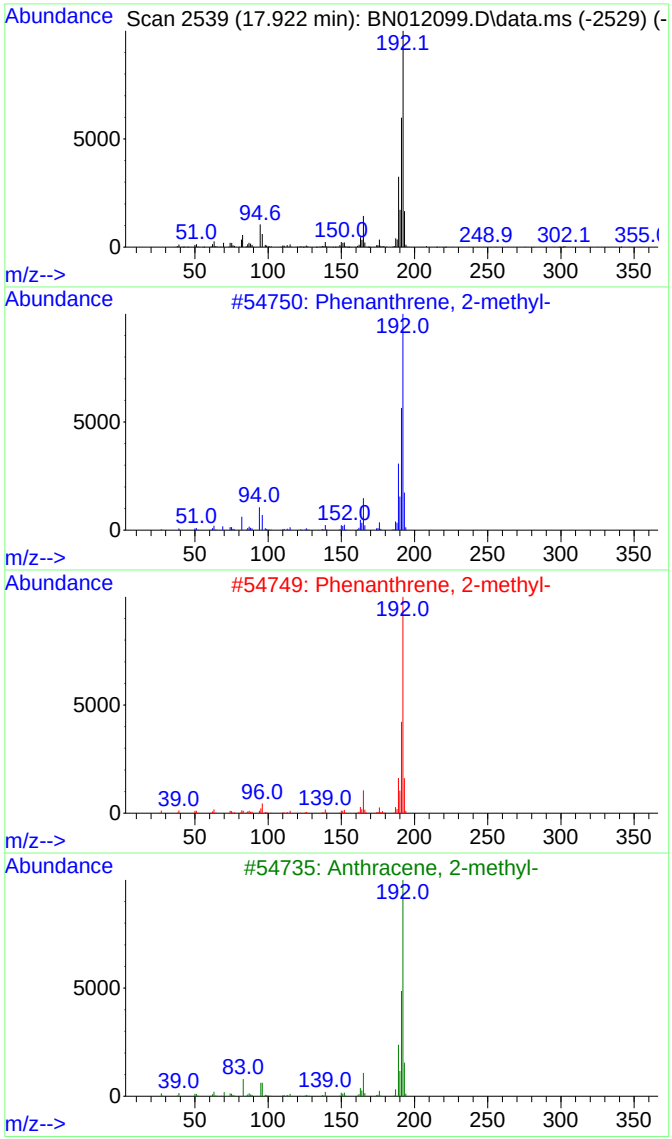
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

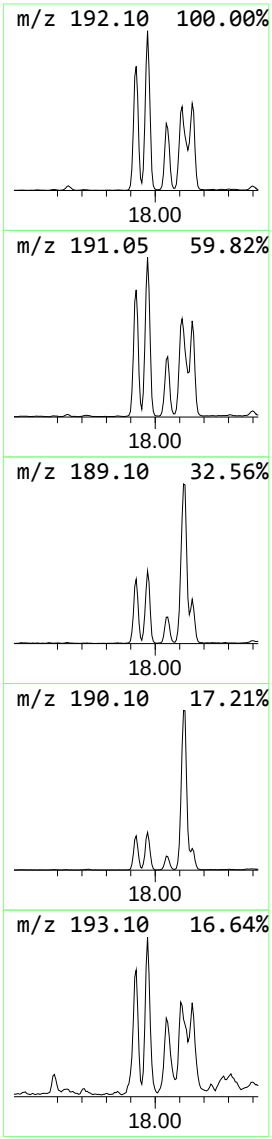
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.920	11.49 ng/ul	3315350	Phenanthrene-d10	17.045

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

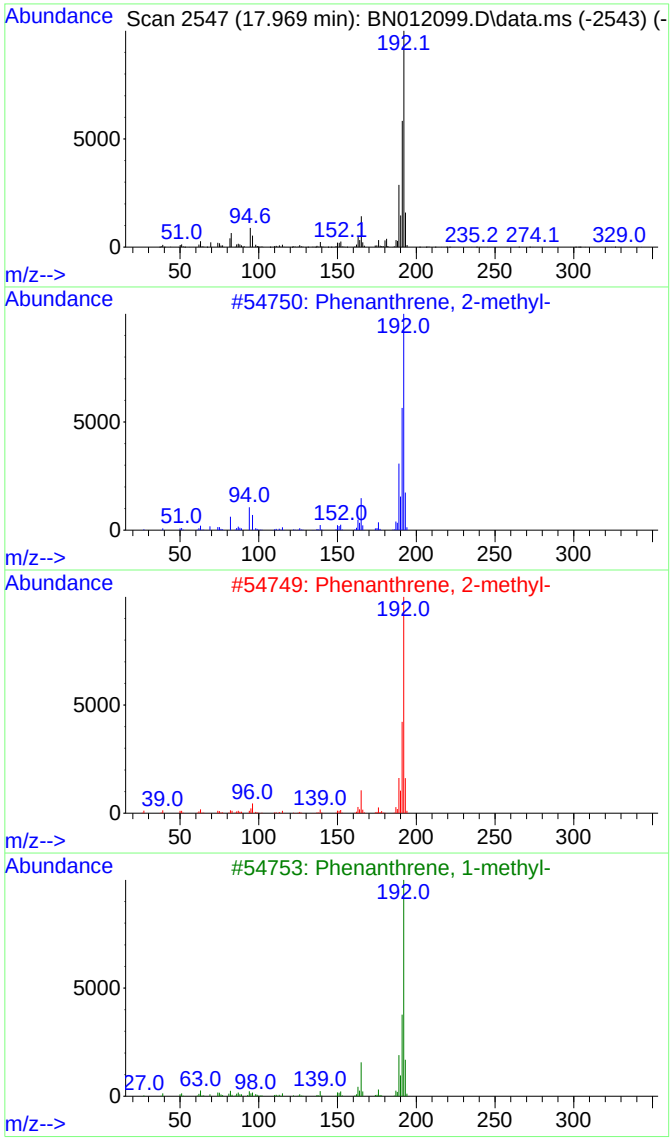
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

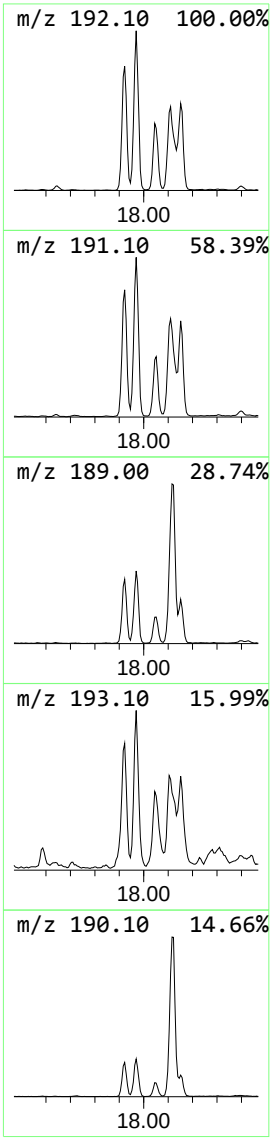
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.970	13.06 ng/ul	3767840	Phenanthrene-d10	17.045

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

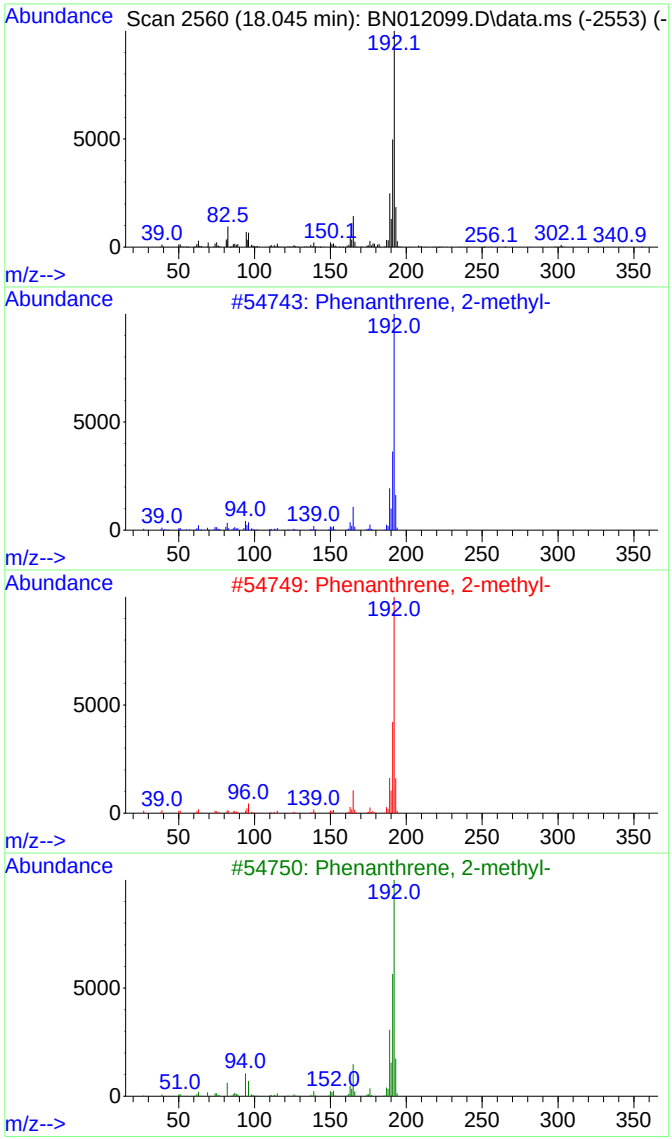
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

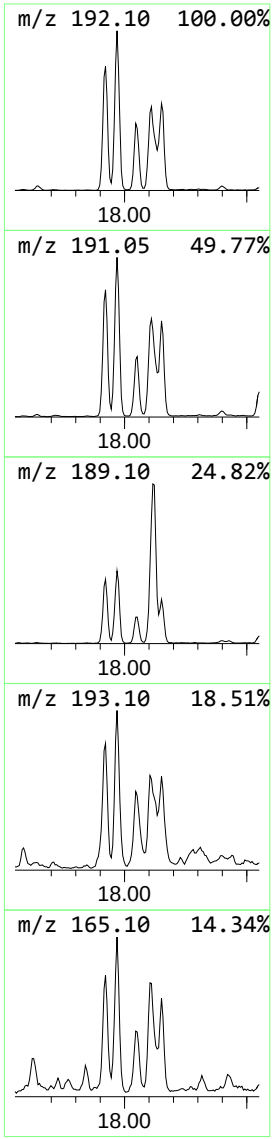
****

Peak Number 11 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.050	6.36 ng/ul	1835300	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

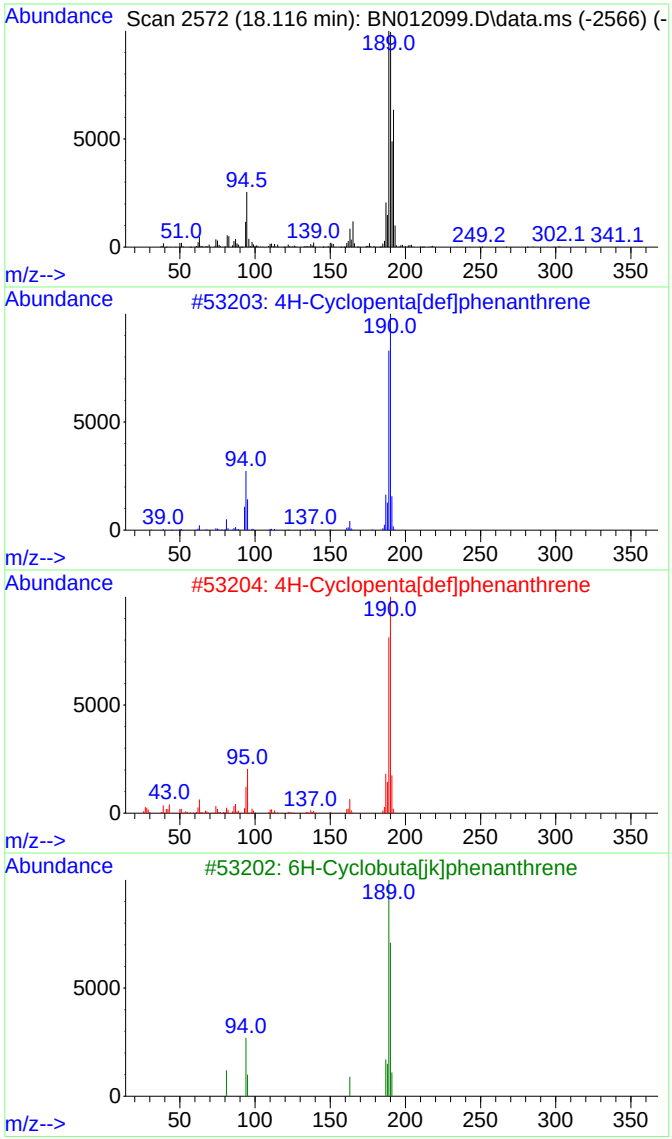
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

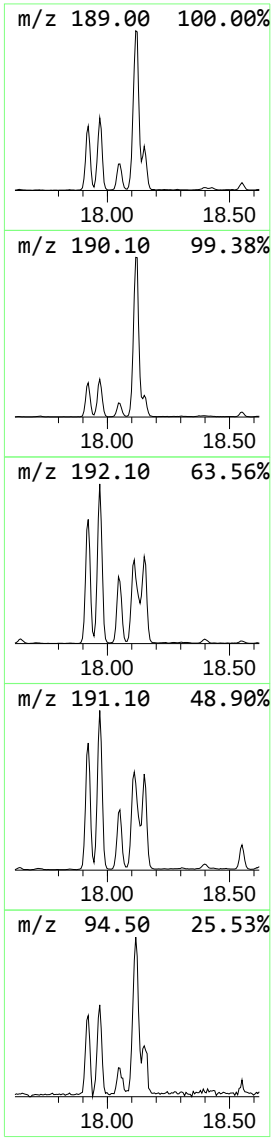
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.120	18.34 ng/ul	5291390	Phenanthrene-d10	17.045

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	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

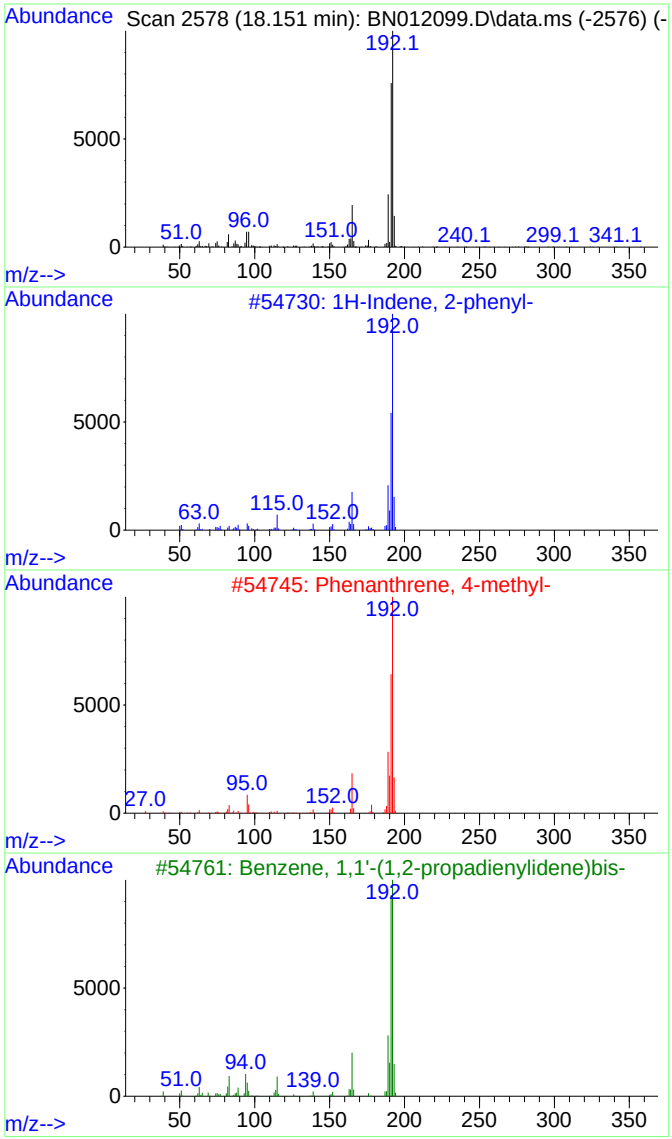
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

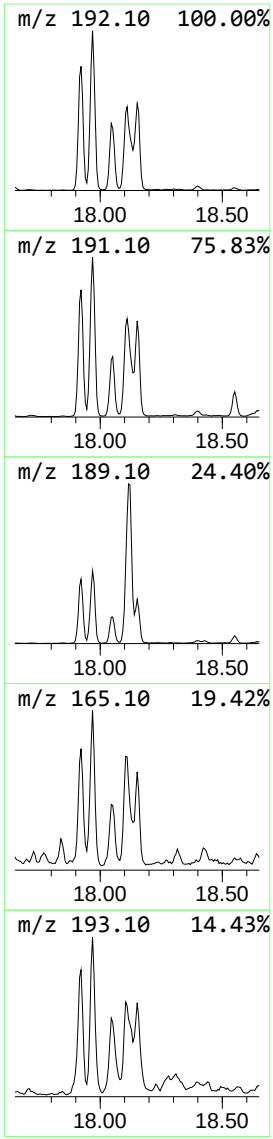
****

Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.150	6.21 ng/ul	1793050	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

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Quant Title : SVOA CALIBRATION

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

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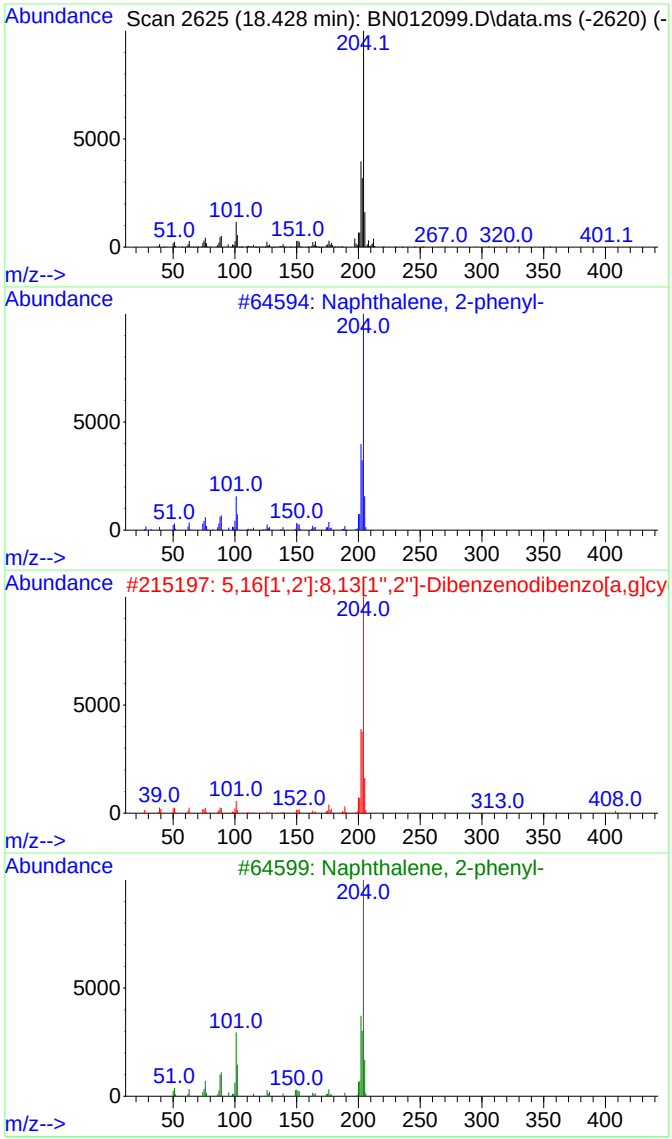
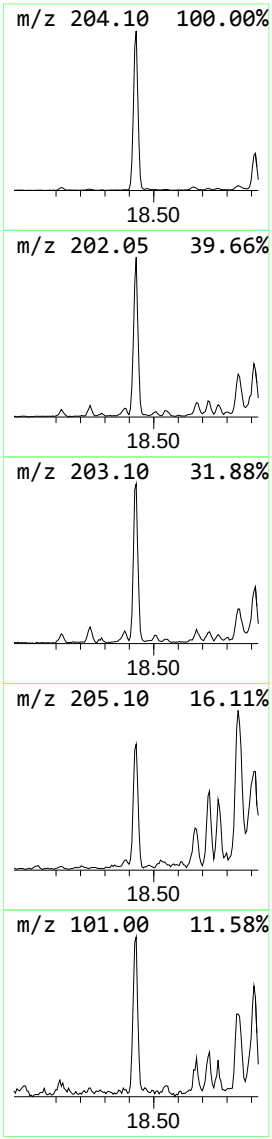
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.430	5.67 ng/ul	1637490	Phenanthrene-d10	17.045

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





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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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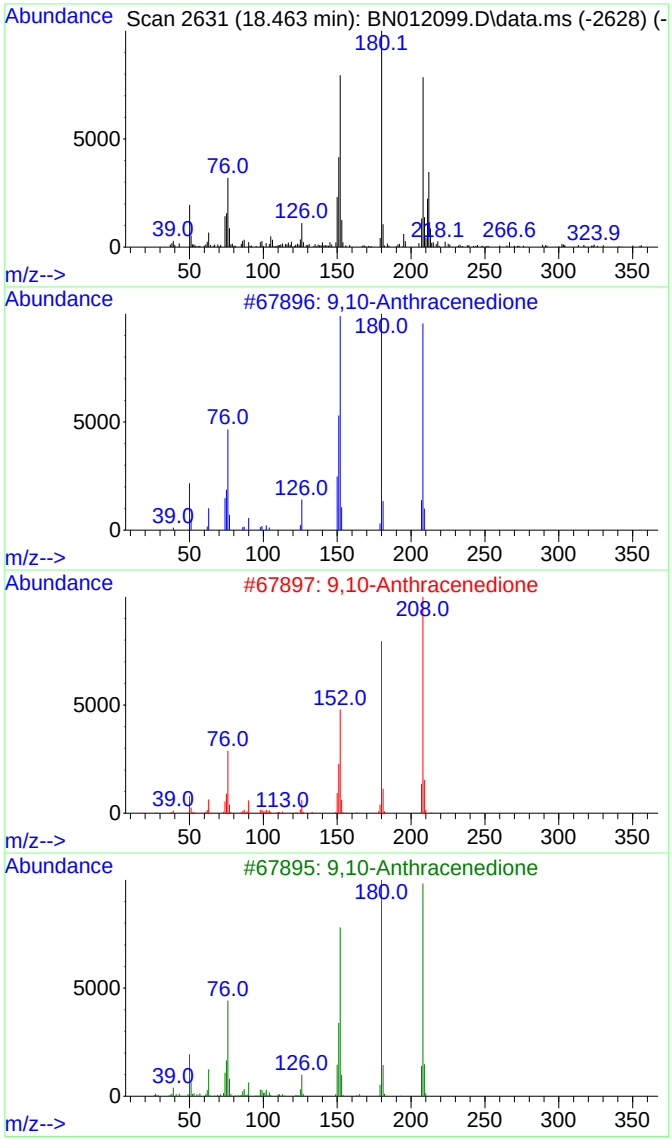
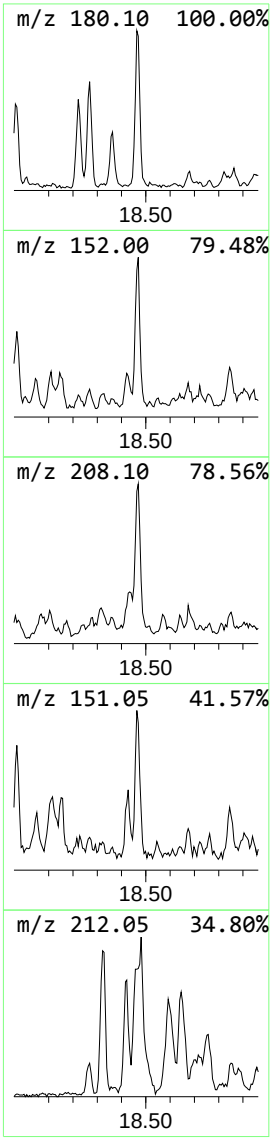
Peak Number 15 9,10-Anthracenedione Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.460	2.04 ng/ul	588867	Phenanthrene-d10	17.045

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	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

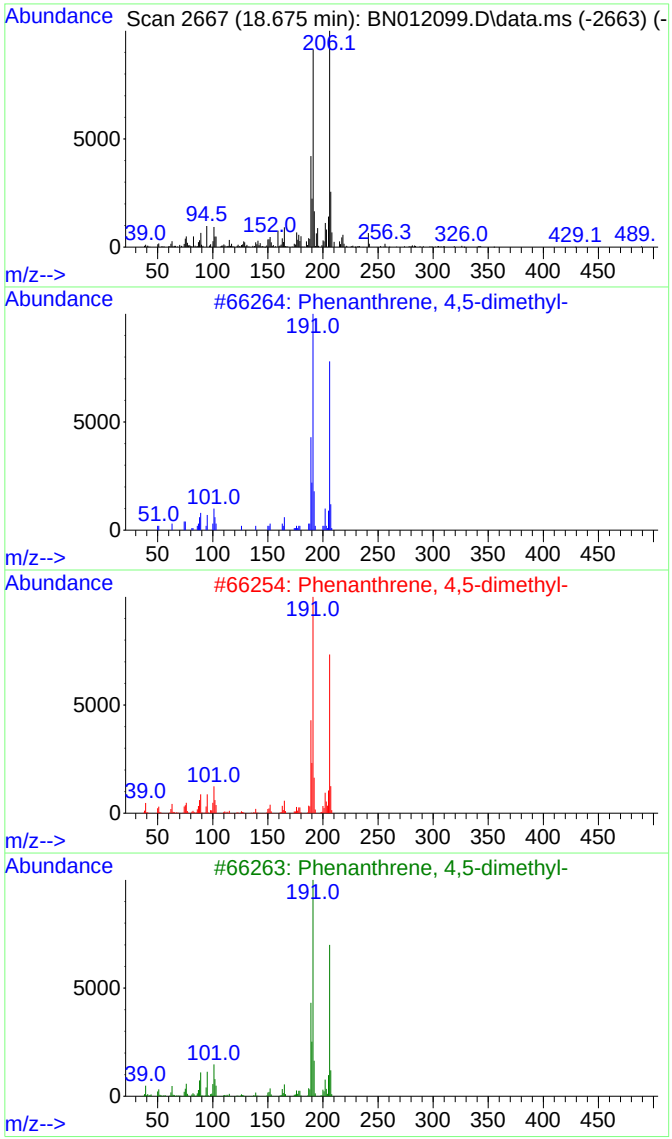
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

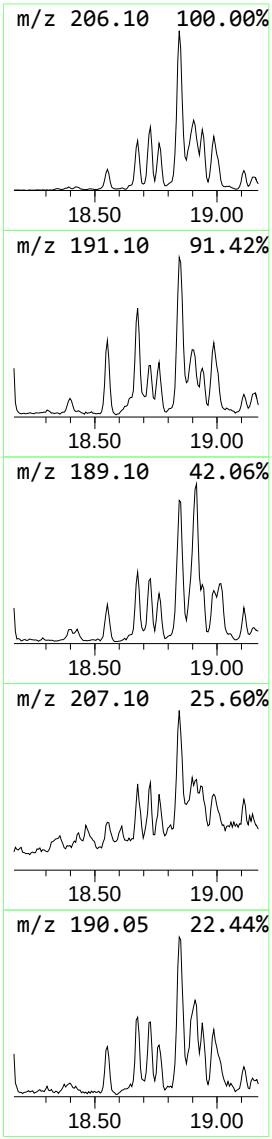
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.670	3.01 ng/ul	870001	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

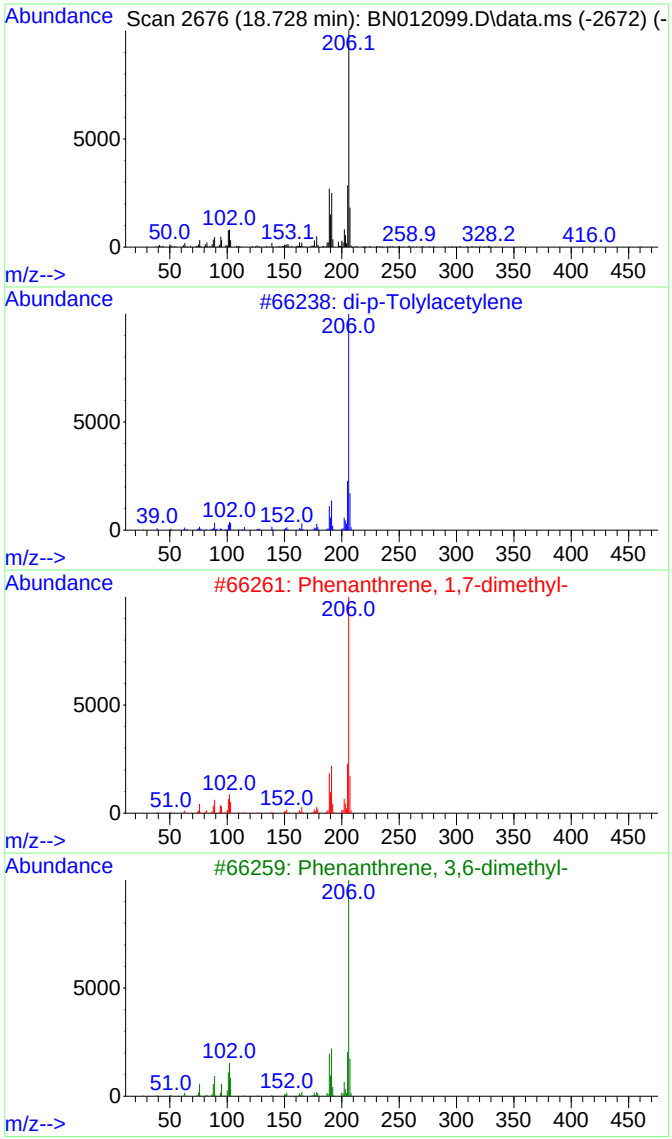
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

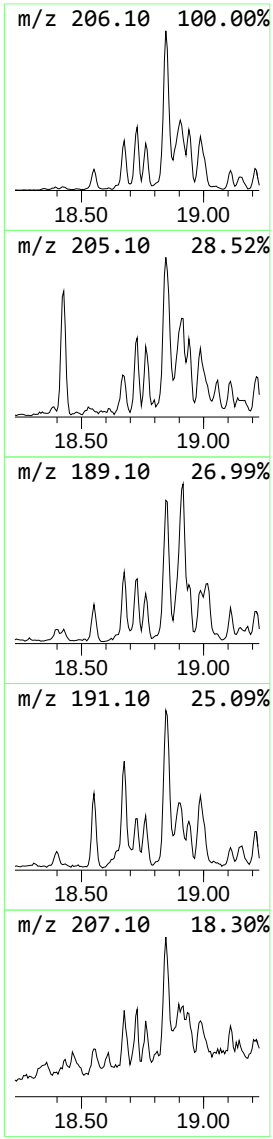
****

Peak Number 17 di-p-Tolylacetylene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.730	2.42 ng/ul	697261	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

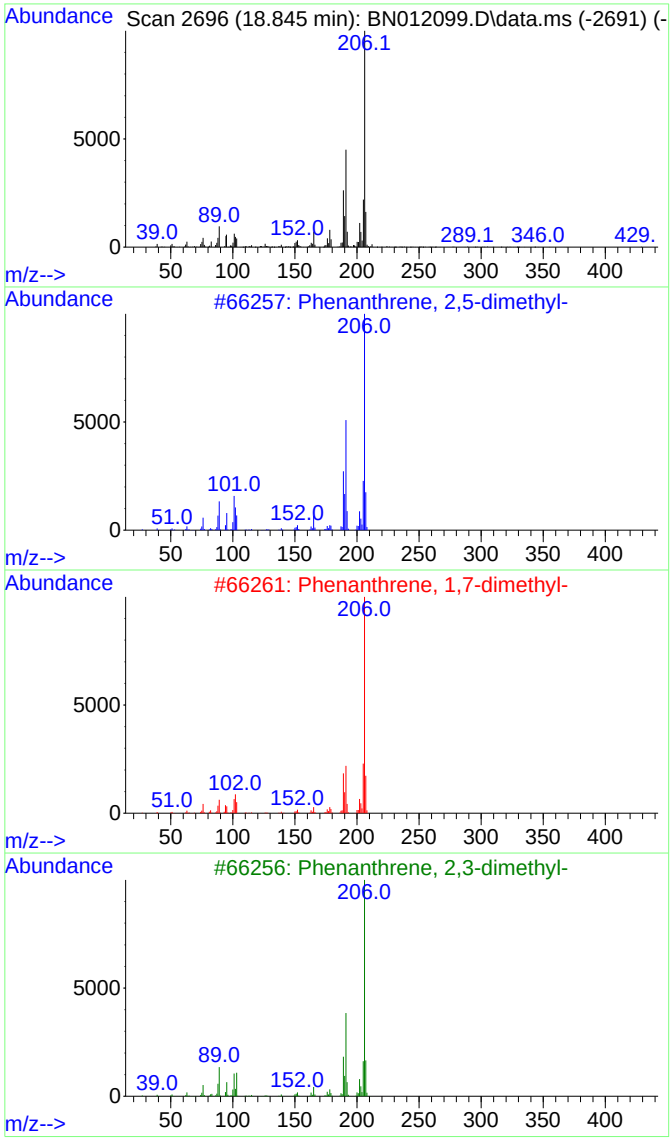
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

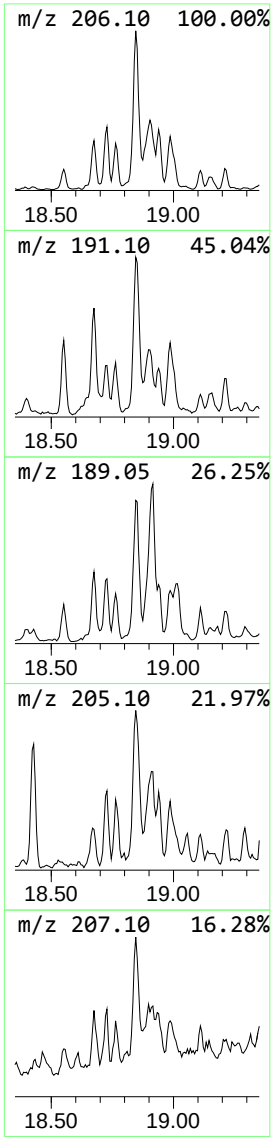
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.850	7.41 ng/ul	2139710	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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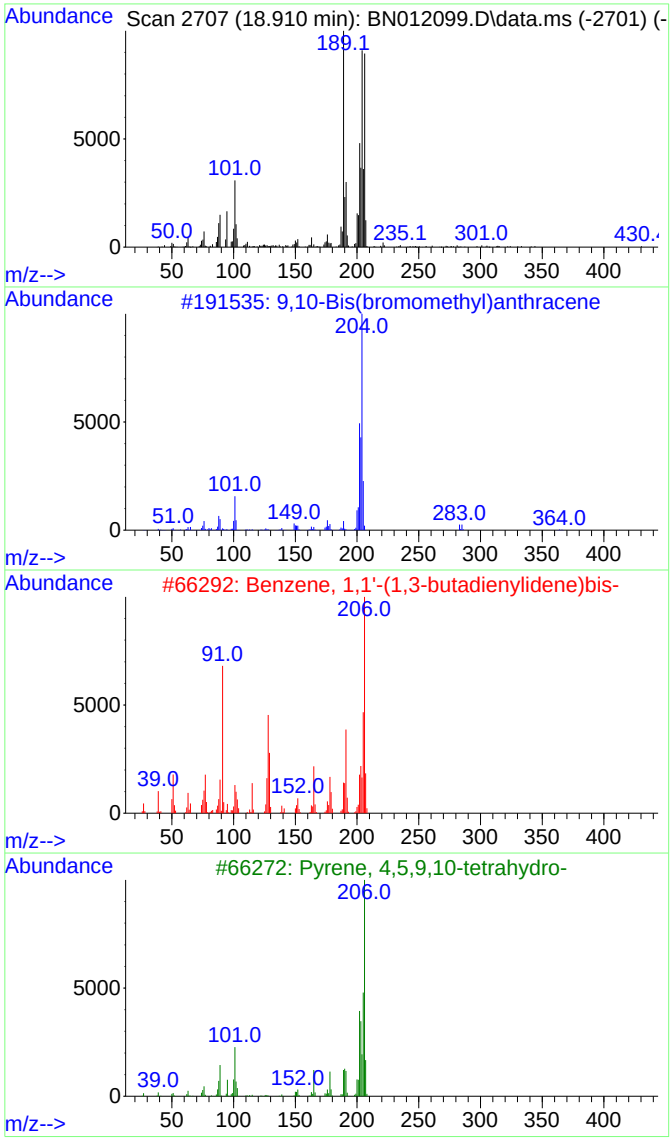
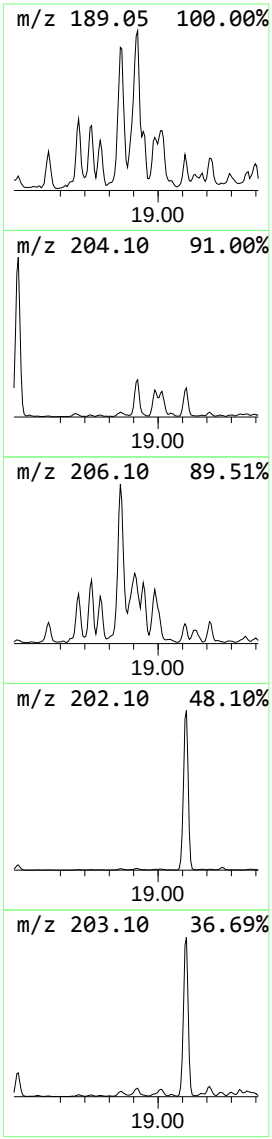
Peak Number 19 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	5.28 ng/ul	1524610	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

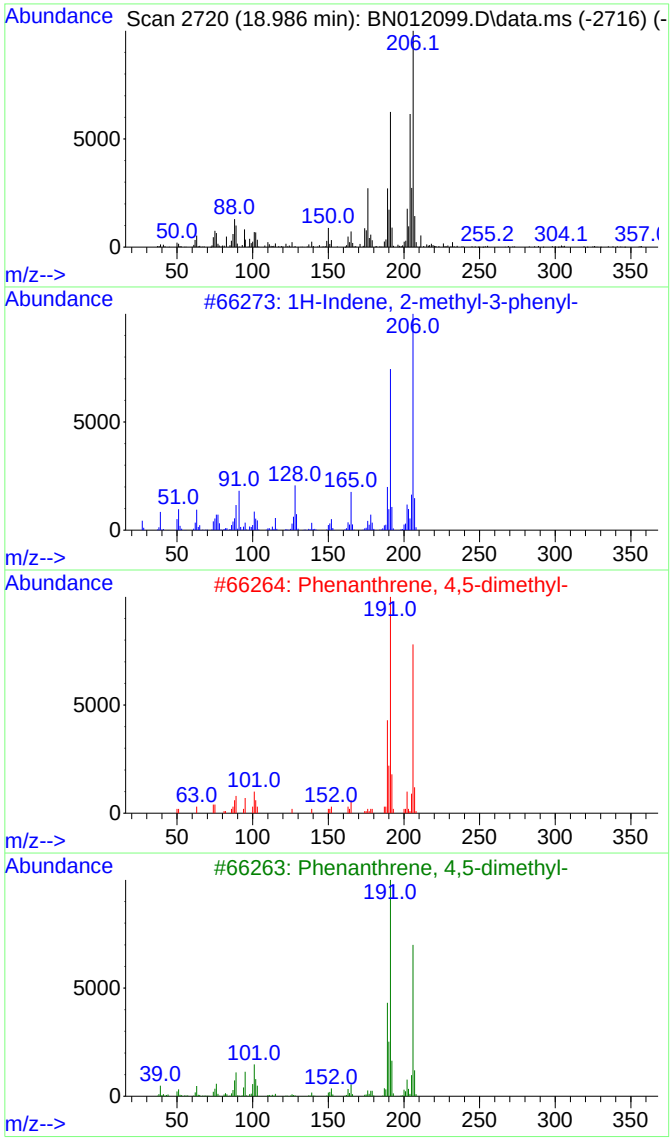
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

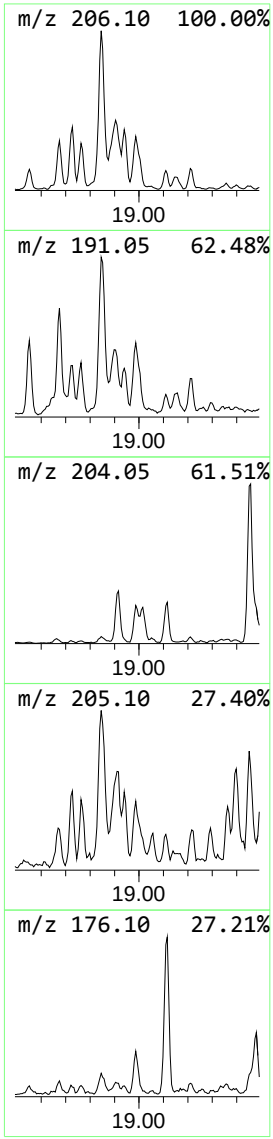
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.990	4.44 ng/ul	1280030	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	62
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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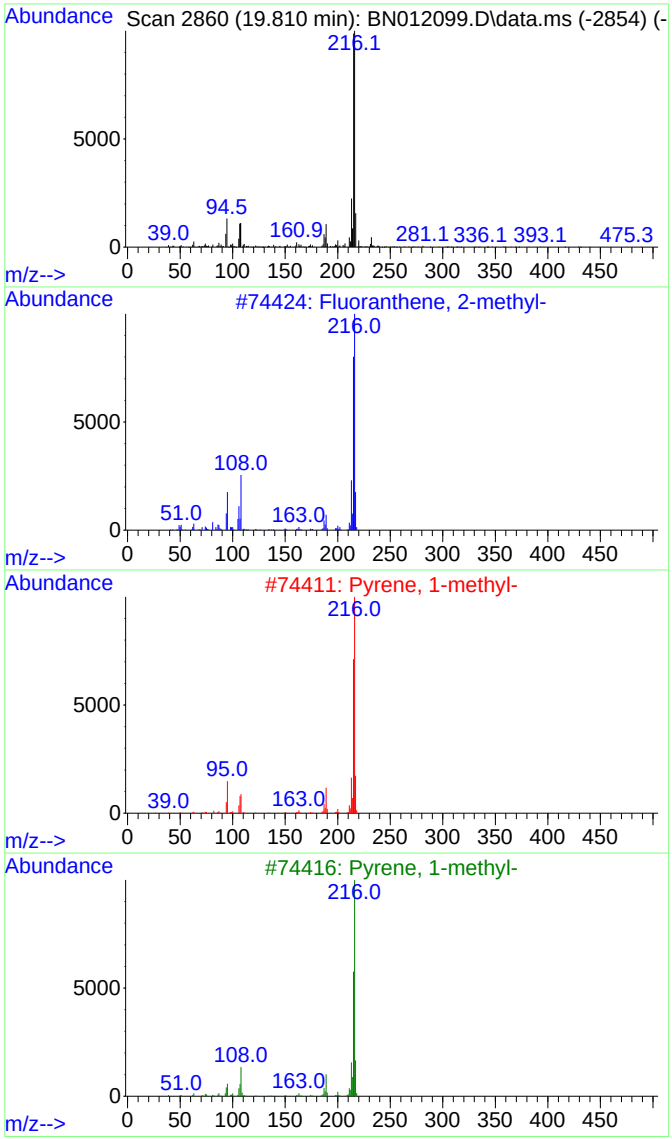
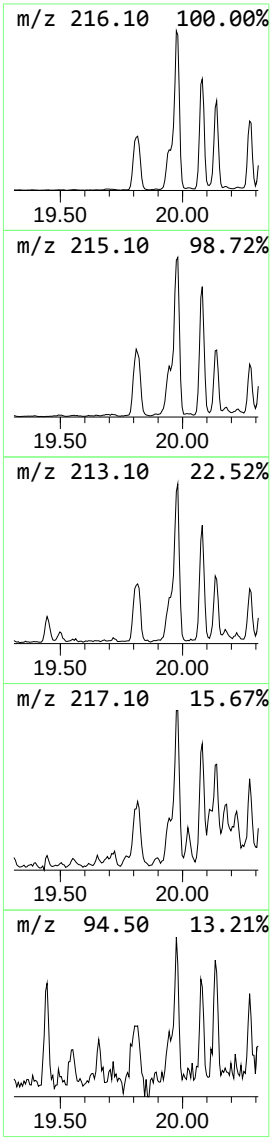
Peak Number 21 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.810	2.64 ng/ul	1828480	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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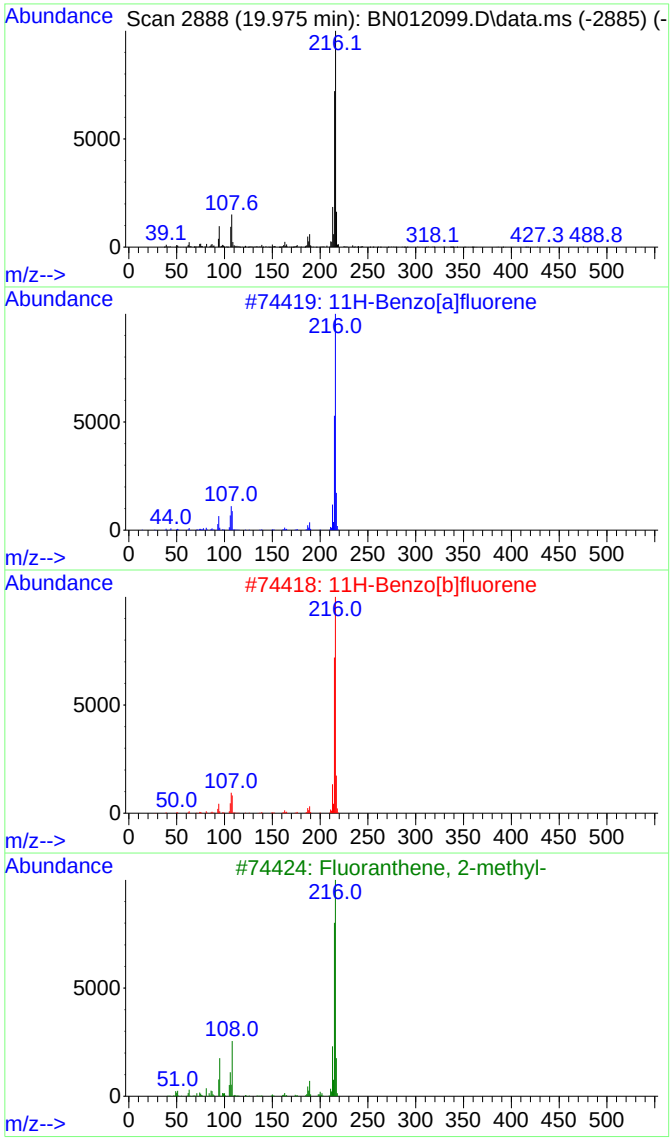
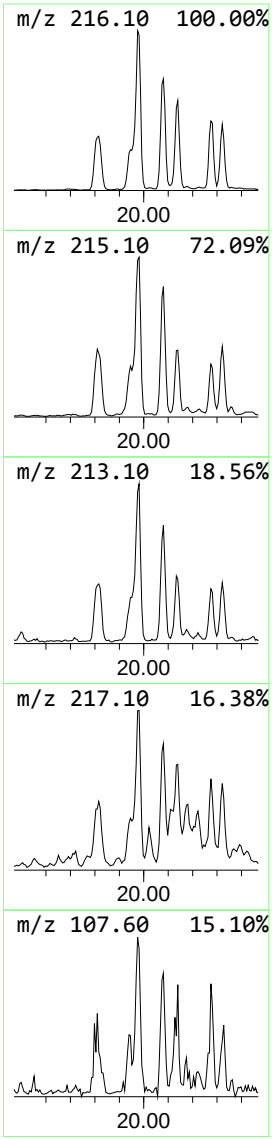
Peak Number 22 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.970	3.73 ng/ul	2583350	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

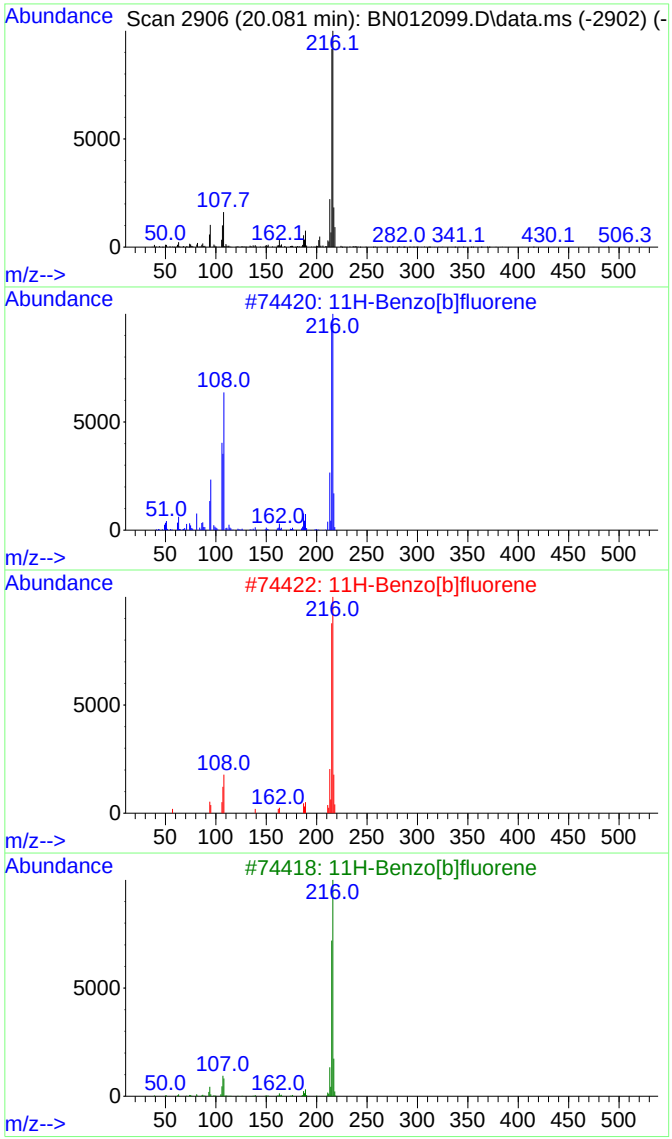
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

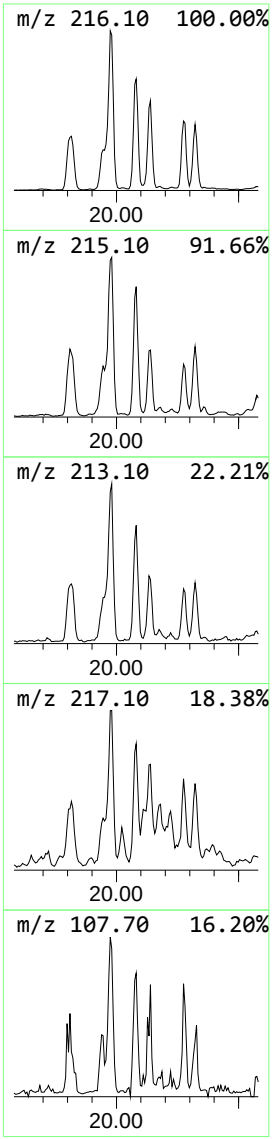
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.080	2.63 ng/ul	1819750	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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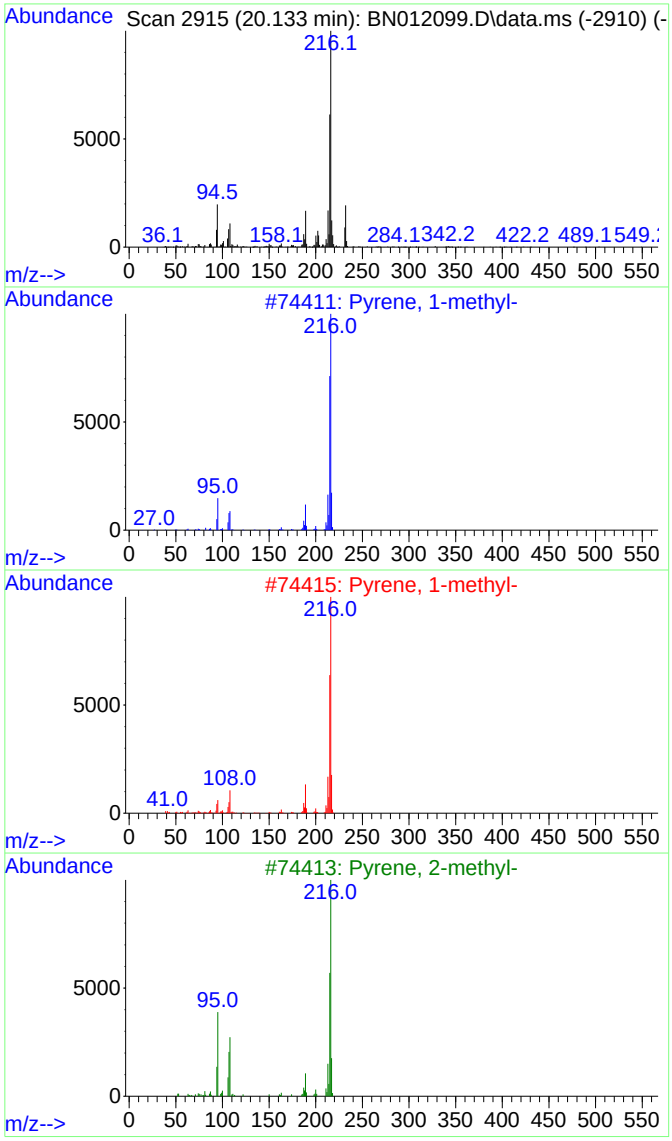
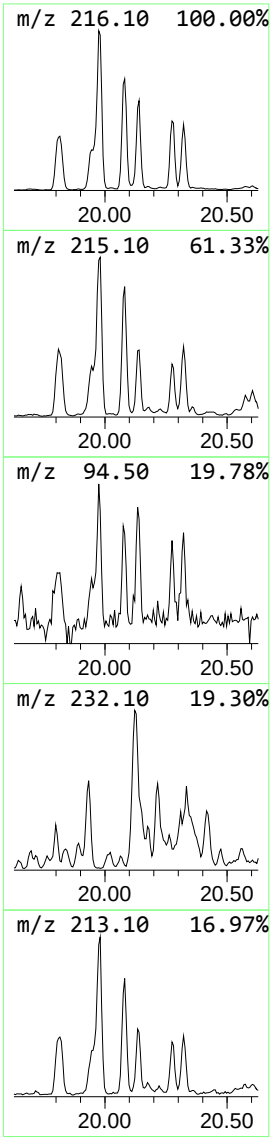
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.130	2.71 ng/ul	1876400	Chrysene-d12	21.251

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, 2-methyl-	216	C17H12	003442-78-2	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

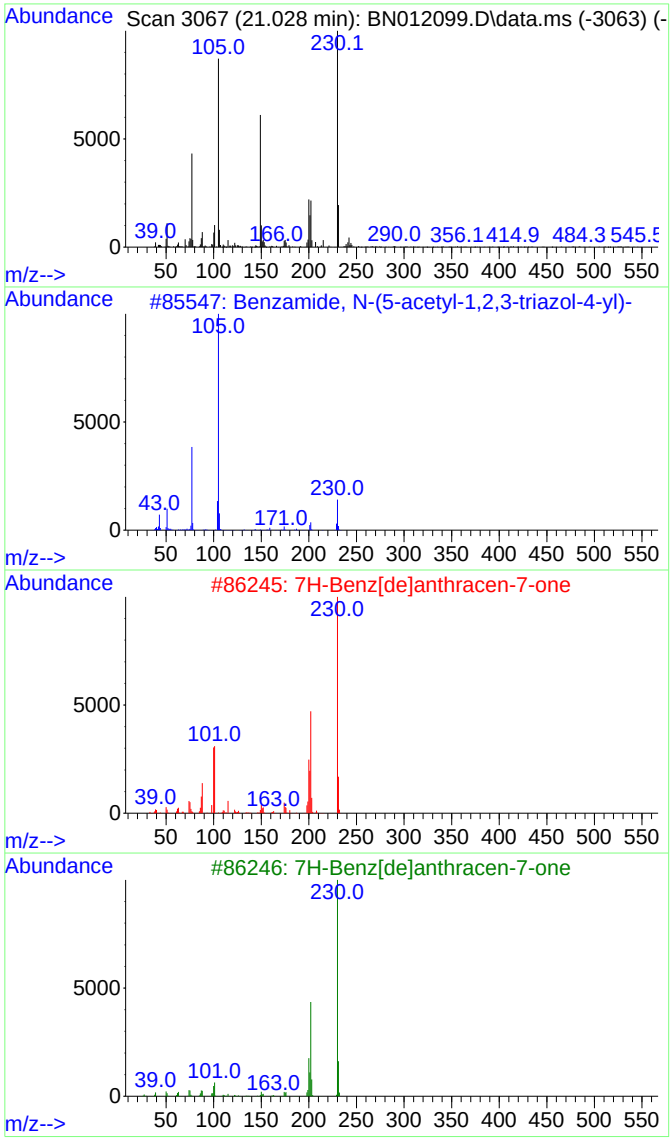
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

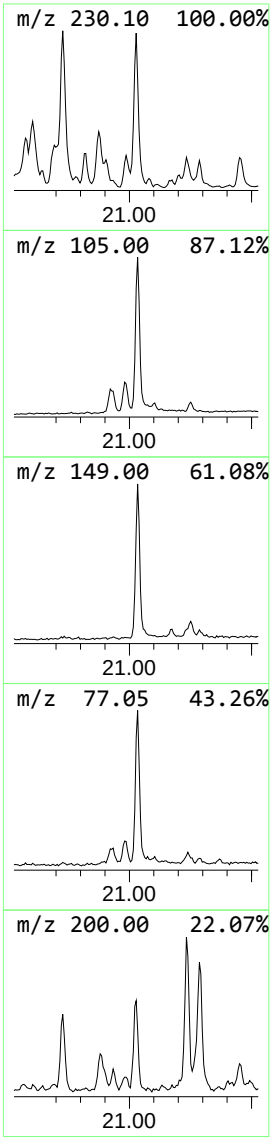
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzamide, N-(5-acetyl-1,2,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.030	2.60 ng/ul	1803410	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(5-acetyl-1,2,3-tri...	230	C11H10N4O2	129959-33-7	62
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	46





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Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

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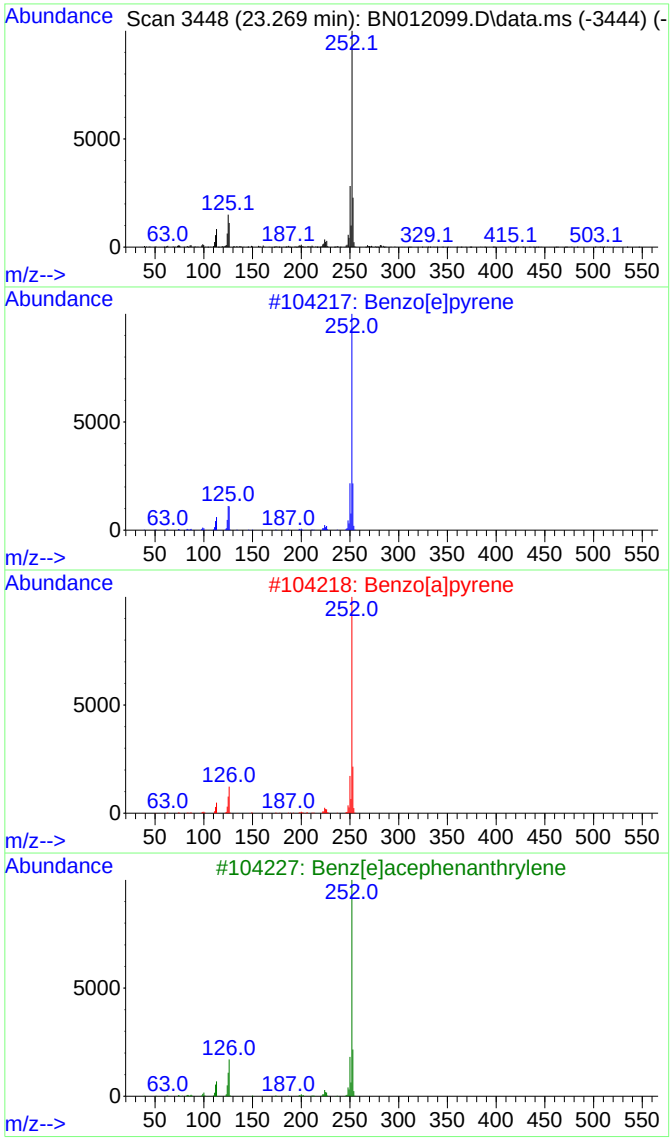
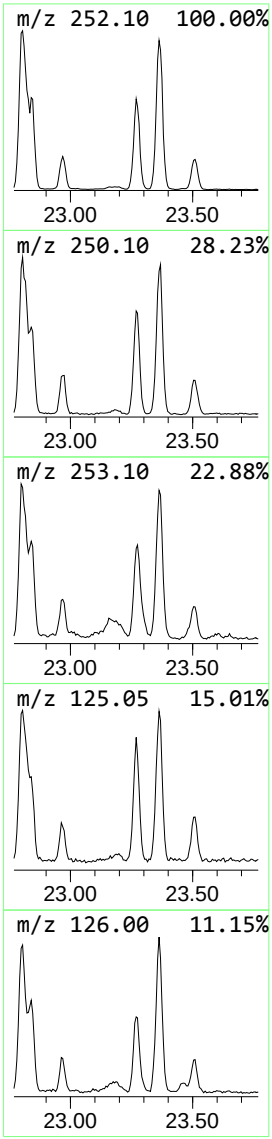
Peak Number 26 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.270	6.94 ng/ul	2107070	Perylene-d12	23.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012099.D
Acq On : 07 Oct 2020 16:23
Operator : CG/JU
Sample : L4184-18DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.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
Naphthalene, 1-...	12.320	2.4	ng/ul	496363	2	10.428	4153450	20.0
Naphthalene, 2,...	13.620	2.5	ng/ul	679264	3	14.293	5448270	20.0
Dibenzofuran, 4...	15.640	3.0	ng/ul	822532	3	14.293	5448270	20.0
[1,1'-Biphenyl]...	15.790	3.4	ng/ul	984495	4	17.045	5771820	20.0
9H-Fluorene, 2-...	16.350	4.4	ng/ul	1264980	4	17.045	5771820	20.0
Benzenamine, 3-...	16.770	3.1	ng/ul	902108	4	17.045	5771820	20.0
Dibenzothiophene	16.860	4.4	ng/ul	1281550	4	17.045	5771820	20.0
4-Methylnaphtho...	17.620	2.3	ng/ul	648134	4	17.045	5771820	20.0
Phenanthrene, 2...	17.920	11.5	ng/ul	3315350	4	17.045	5771820	20.0
Phenanthrene, 1...	17.970	13.1	ng/ul	3767840	4	17.045	5771820	20.0
unknown-01	18.050	6.4	ng/ul	1835300	4	17.045	5771820	20.0
4H-Cyclopenta[d...	18.120	18.3	ng/ul	5291390	4	17.045	5771820	20.0
1H-Indene, 2-ph...	18.150	6.2	ng/ul	1793050	4	17.045	5771820	20.0
Naphthalene, 2-...	18.430	5.7	ng/ul	1637490	4	17.045	5771820	20.0
9,10-Anthracene...	18.460	2.0	ng/ul	588867	4	17.045	5771820	20.0
Phenanthrene, 4...	18.670	3.0	ng/ul	870001	4	17.045	5771820	20.0
di-p-Tolylacety...	18.730	2.4	ng/ul	697261	4	17.045	5771820	20.0
Phenanthrene, 2...	18.850	7.4	ng/ul	2139710	4	17.045	5771820	20.0
unknown-02	18.910	5.3	ng/ul	1524610	4	17.045	5771820	20.0
1H-Indene, 2-me...	18.990	4.4	ng/ul	1280030	4	17.045	5771820	20.0
Fluoranthene, 2...	19.810	2.6	ng/ul	1828480	5	21.251	13847400	20.0
11H-Benzo[a]flu...	19.970	3.7	ng/ul	2583350	5	21.251	13847400	20.0
11H-Benzo[b]flu...	20.080	2.6	ng/ul	1819750	5	21.251	13847400	20.0
Pyrene, 1-methyl-	20.130	2.7	ng/ul	1876400	5	21.251	13847400	20.0
Benzamide, N-(5...	21.030	2.6	ng/ul	1803410	5	21.251	13847400	20.0
Benzo[e]pyrene	23.270	6.9	ng/ul	2107070	6	23.463	6071130	20.0