

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010681.D
 Acq On : 23 Jun 2017 03:56
 Operator : SJ/JU
 Sample : I3625-19 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A01DL

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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	6.645	633	639	647	rVB	70915	112430	3.54%	0.362%
2	6.810	662	667	674	rBV	52394	76299	2.40%	0.245%
3	6.998	694	699	706	rVB	74932	107463	3.38%	0.346%
4	7.463	772	778	784	rBV	345717	535684	16.86%	1.723%
5	8.163	891	897	904	rVB	97540	145163	4.57%	0.467%
6	8.604	967	972	978	rBV	68426	107054	3.37%	0.344%
7	9.322	1088	1094	1098	rBV	62170	95564	3.01%	0.307%
8	9.851	1177	1184	1191	rBB	109575	172011	5.41%	0.553%
9	10.222	1240	1247	1253	rBV	522503	840233	26.44%	2.703%
10	10.363	1263	1271	1282	rBB	93410	147234	4.63%	0.474%
11	11.892	1527	1531	1537	rBV	29939	42246	1.33%	0.136%
12	12.121	1563	1570	1575	rBV	31725	49248	1.55%	0.158%
13	13.427	1787	1792	1797	rBV2	32801	50390	1.59%	0.162%
14	13.533	1805	1810	1814	rVV	223361	301361	9.48%	0.969%
15	13.580	1814	1818	1823	rVB	72007	95658	3.01%	0.308%
16	13.798	1849	1855	1859	rBV	216758	314498	9.90%	1.012%
17	14.115	1902	1909	1915	rBV2	837946	1284468	40.42%	4.132%
18	14.174	1915	1919	1924	rBV2	61000	87143	2.74%	0.280%
19	14.321	1936	1944	1953	rBV	82690	121740	3.83%	0.392%
20	14.515	1971	1977	1984	rBV2	48576	70338	2.21%	0.226%
21	15.110	2073	2078	2083	rBV	302797	414605	13.05%	1.334%
22	15.168	2083	2088	2093	rVB	91844	126396	3.98%	0.407%
23	15.233	2093	2099	2107	rBV2	72162	106410	3.35%	0.342%
24	15.468	2134	2139	2143	rBV2	25823	34765	1.09%	0.112%
25	15.609	2158	2163	2173	rVB	24458	48150	1.52%	0.155%
26	16.174	2256	2259	2264	rVV4	24749	40958	1.29%	0.132%
27	16.521	2313	2318	2325	rVB2	78153	113053	3.56%	0.364%
28	16.621	2325	2335	2339	rBV5	41173	82067	2.58%	0.264%
29	16.686	2342	2346	2350	rVB	49849	62601	1.97%	0.201%
30	16.868	2370	2377	2380	rBV	1172917	1628158	51.24%	5.238%
31	16.909	2380	2384	2389	rVV	1363547	1782959	56.11%	5.736%
32	16.962	2389	2393	2397	rVV	365212	533434	16.79%	1.716%
33	16.998	2397	2399	2404	rVV	184590	211746	6.66%	0.681%
34	17.056	2405	2409	2416	rVB3	23106	33779	1.06%	0.109%

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35	17.274	2442	2446	2451	rVB	118895	158506	4.99%	0.510%
36	17.392	2463	2466	2471	rBV3	26017	35641	1.12%	0.115%
37	17.451	2471	2476	2480	rVV5	24023	32164	1.01%	0.103%
38	17.745	2516	2526	2530	rBV	167117	237478	7.47%	0.764%
39	17.792	2530	2534	2543	rVB	267495	368301	11.59%	1.185%
40	17.868	2543	2547	2552	rBV	61265	83589	2.63%	0.269%
41	17.933	2552	2558	2562	rVV2	193942	334769	10.54%	1.077%
42	17.974	2562	2565	2570	rVB	116286	155683	4.90%	0.501%
43	18.250	2608	2612	2615	rBV	132093	177141	5.57%	0.570%
44	18.286	2615	2618	2625	rVB	122090	168217	5.29%	0.541%
45	18.503	2650	2655	2659	rVB2	40130	51074	1.61%	0.164%
46	18.592	2667	2670	2674	rVB3	34085	41511	1.31%	0.134%
47	18.674	2678	2684	2689	rBV2	101572	161024	5.07%	0.518%
48	18.739	2689	2695	2698	rVV5	45043	93047	2.93%	0.299%
49	18.768	2698	2700	2704	rVV2	35352	36134	1.14%	0.116%
50	18.809	2704	2707	2716	rVB2	90279	144407	4.54%	0.465%
51	18.939	2723	2729	2737	rVB	1803436	2340280	73.65%	7.529%
52	19.009	2737	2741	2744	rBV2	39426	61445	1.93%	0.198%
53	19.039	2744	2746	2751	rVV5	40374	55703	1.75%	0.179%
54	19.086	2751	2754	2758	rVB3	45510	52478	1.65%	0.169%
55	19.145	2758	2764	2768	rBV5	39767	96860	3.05%	0.312%
56	19.186	2768	2771	2775	rVB	49708	66309	2.09%	0.213%
57	19.274	2781	2786	2788	rBV2	702792	972975	30.62%	3.130%
58	19.303	2788	2791	2799	rVV	1406821	1794679	56.48%	5.773%
59	19.380	2799	2804	2811	rVB3	79018	130181	4.10%	0.419%
60	19.486	2816	2822	2828	rBV	99993	128989	4.06%	0.415%
61	19.545	2828	2832	2838	rVB2	73862	119727	3.77%	0.385%
62	19.639	2839	2848	2853	rBV3	119565	287647	9.05%	0.925%
63	19.686	2853	2856	2860	rVB	39687	49777	1.57%	0.160%
64	19.774	2866	2871	2872	rBV3	77416	102839	3.24%	0.331%
65	19.803	2872	2876	2881	rVB	160518	257024	8.09%	0.827%
66	19.909	2890	2894	2897	rBV	56862	67651	2.13%	0.218%
67	19.962	2897	2903	2907	rBV2	164618	258980	8.15%	0.833%
68	20.003	2907	2910	2914	rVB	53921	62137	1.96%	0.200%
69	20.050	2914	2918	2922	rBV3	32341	39771	1.25%	0.128%
70	20.103	2923	2927	2931	rVB2	80238	96161	3.03%	0.309%
71	20.150	2931	2935	2940	rBV	86557	137434	4.33%	0.442%

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72	20.274	2949	2956	2961	rVB9	25165	62392	1.96%	0.201%
73	20.403	2975	2978	2982	rVV5	51277	85715	2.70%	0.276%
74	20.444	2982	2985	2989	rVV3	39801	65688	2.07%	0.211%
75	20.556	3000	3004	3011	rVB	218761	285243	8.98%	0.918%
76	20.721	3026	3032	3036	rBV2	165475	303529	9.55%	0.976%
77	20.768	3036	3040	3043	rVV	158681	209897	6.61%	0.675%
78	20.815	3043	3048	3051	rVV2	130257	261348	8.23%	0.841%
79	20.856	3051	3055	3063	rVB2	193231	275079	8.66%	0.885%
80	20.962	3066	3073	3079	rBV2	55496	130683	4.11%	0.420%
81	21.080	3086	3093	3097	rBV2	1806481	3177447	100.00%	10.222%
82	21.115	3097	3099	3110	rVB	753801	957952	30.15%	3.082%
83	21.233	3116	3119	3122	rBV	64845	77608	2.44%	0.250%
84	21.339	3135	3137	3141	rVB	65076	80914	2.55%	0.260%
85	21.391	3141	3146	3151	rBV2	116977	201129	6.33%	0.647%
86	21.439	3151	3154	3157	rVB5	45501	52893	1.66%	0.170%
87	21.621	3180	3185	3189	rVB	145378	200900	6.32%	0.646%
88	21.668	3190	3193	3198	rVV2	88242	115615	3.64%	0.372%
89	21.803	3213	3216	3219	rBV	73425	102331	3.22%	0.329%
90	21.838	3219	3222	3228	rVB5	54783	83575	2.63%	0.269%
91	22.068	3258	3261	3265	rBV6	26930	44580	1.40%	0.143%
92	22.585	3343	3349	3355	rBV	508425	1253724	39.46%	4.033%
93	22.744	3372	3376	3381	rVB	74619	111077	3.50%	0.357%
94	22.874	3394	3398	3402	rBV6	46064	83651	2.63%	0.269%
95	23.038	3421	3426	3430	rBV	269733	476091	14.98%	1.532%
96	23.085	3430	3434	3437	rVV	223256	355453	11.19%	1.143%
97	23.127	3437	3441	3448	rVB	378891	673056	21.18%	2.165%
98	23.221	3450	3457	3462	rBV	788018	1458470	45.90%	4.692%
99	25.326	3809	3815	3823	rVB2	156834	413925	13.03%	1.332%
100	25.962	3920	3923	3924	rBV3	52885	52593	1.66%	0.169%

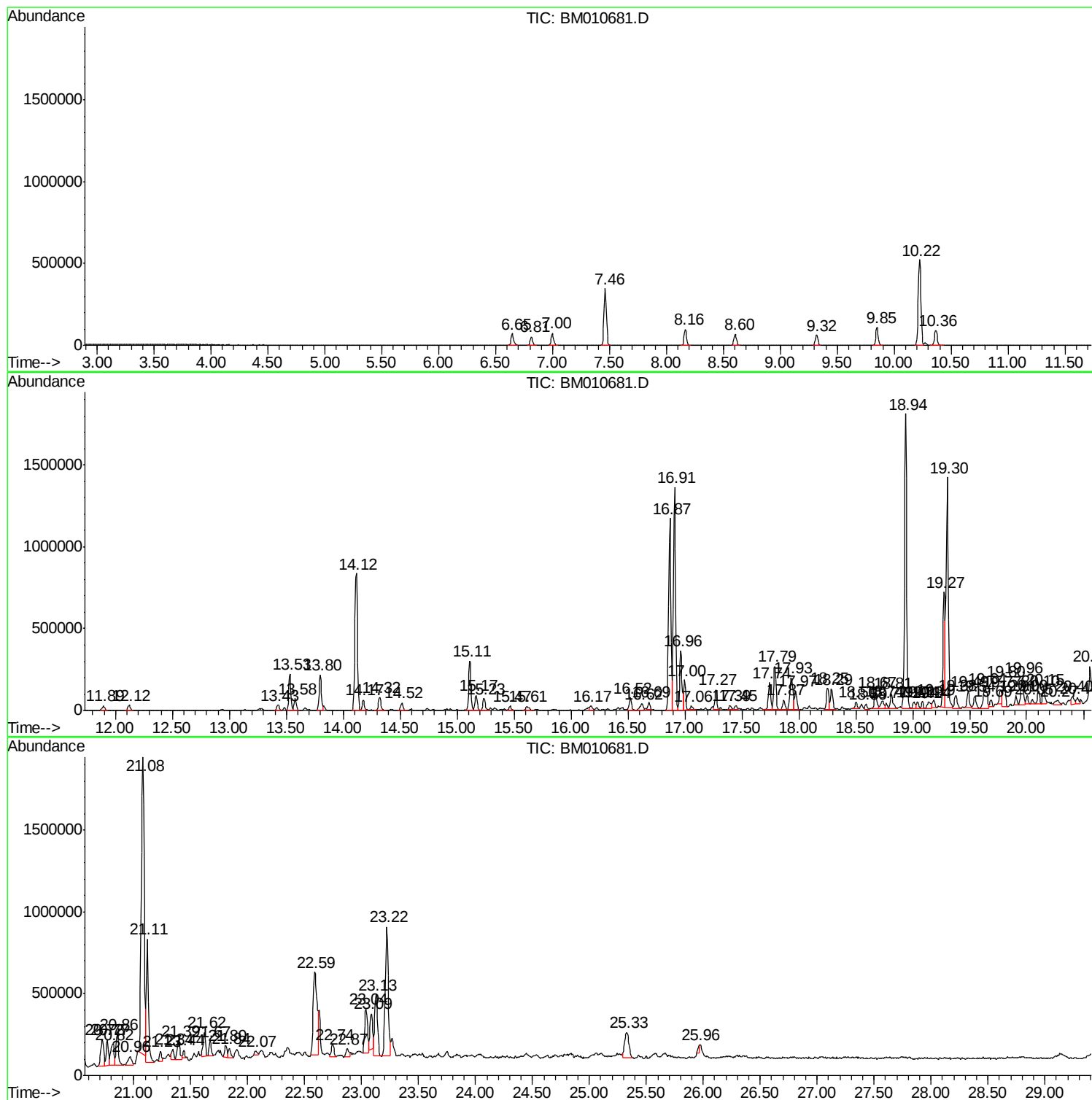
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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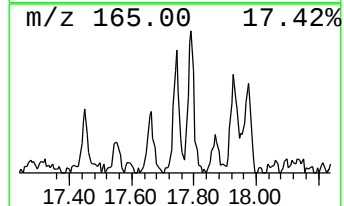
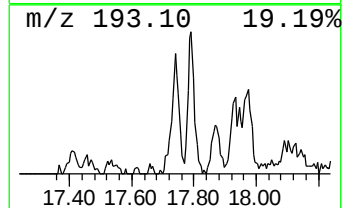
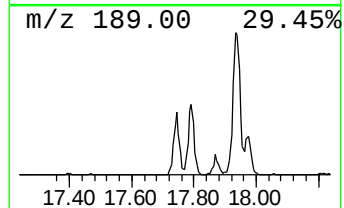
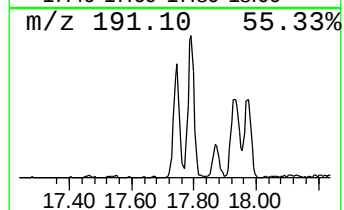
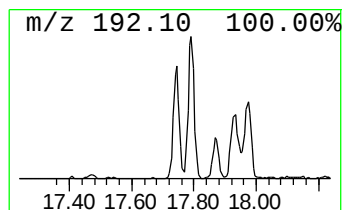
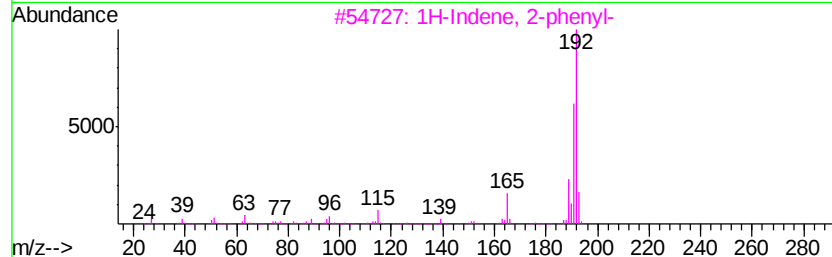
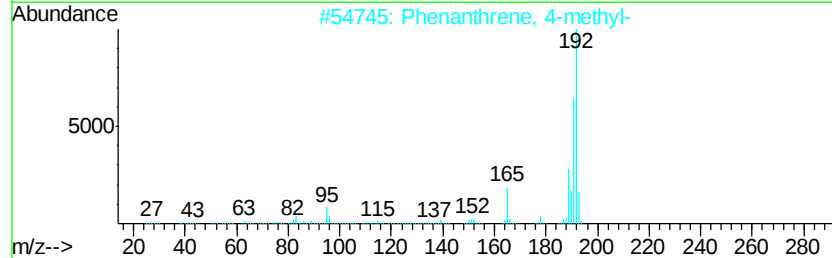
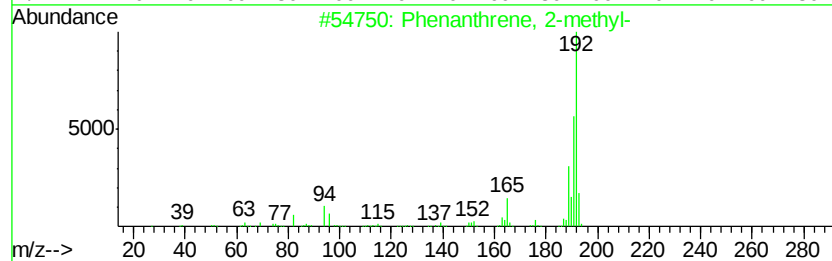
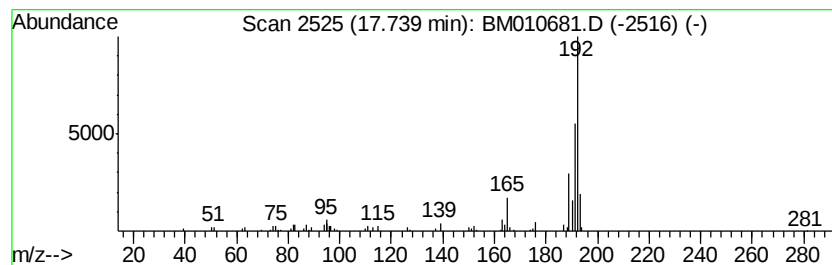
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.92 ng/ul	237478	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



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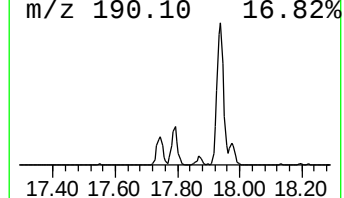
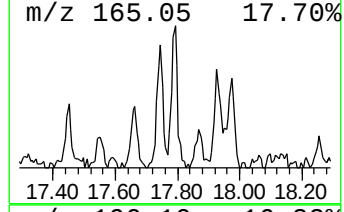
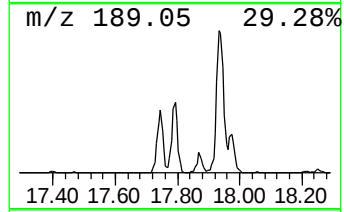
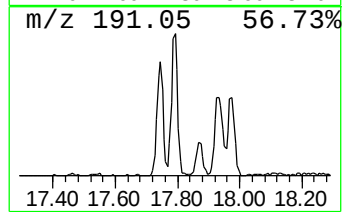
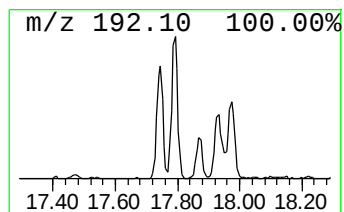
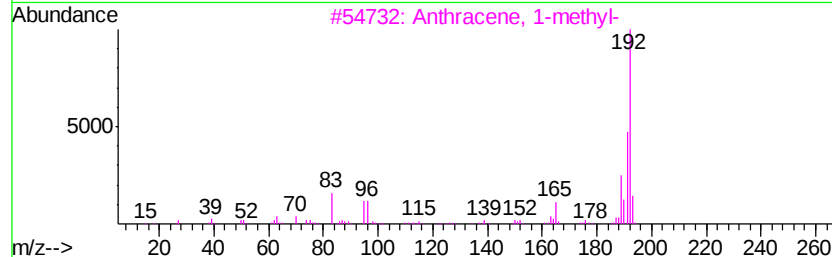
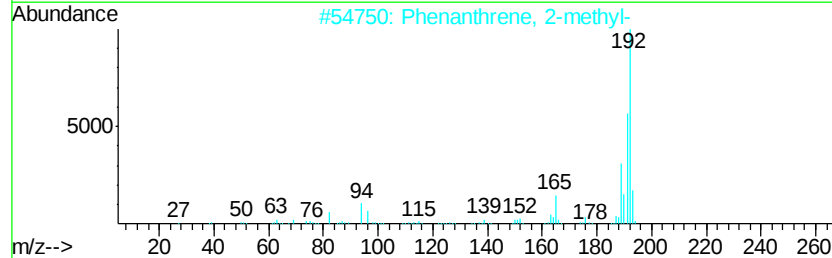
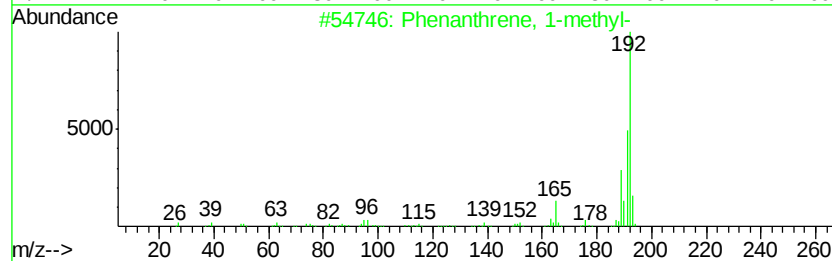
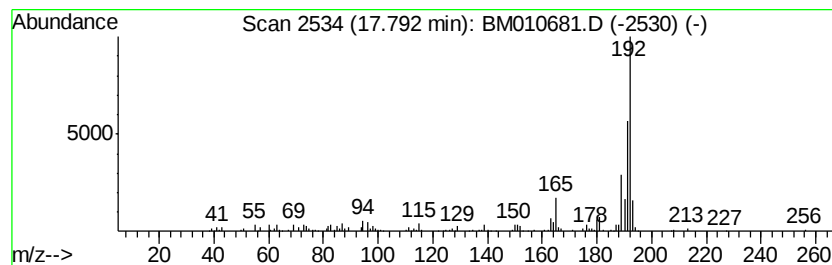
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.79	4.52 ng/ul	368301	Phenanthrene-d10	16.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95	
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93	



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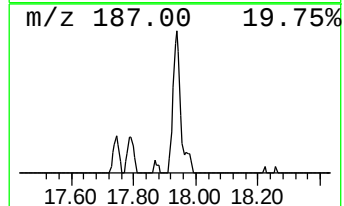
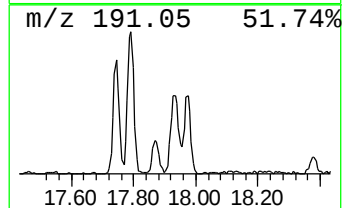
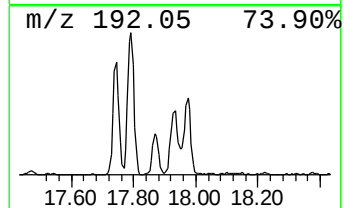
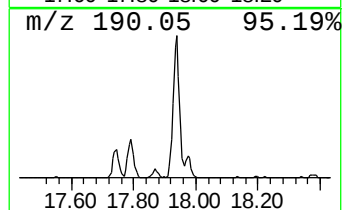
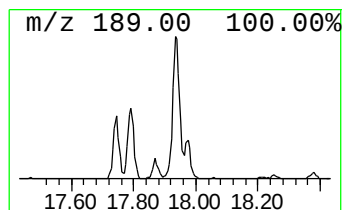
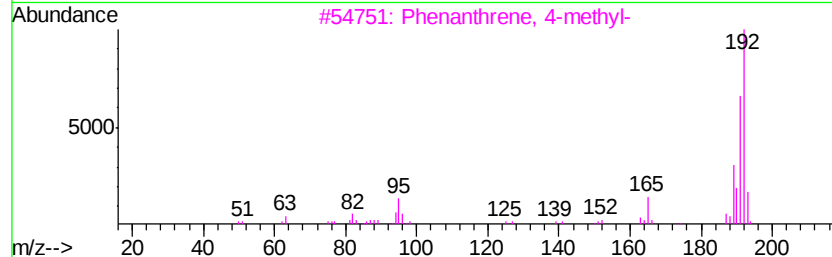
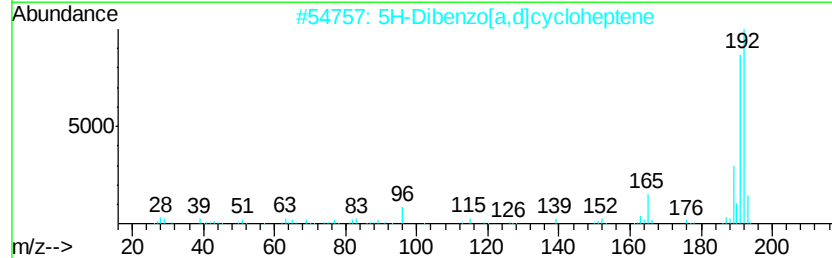
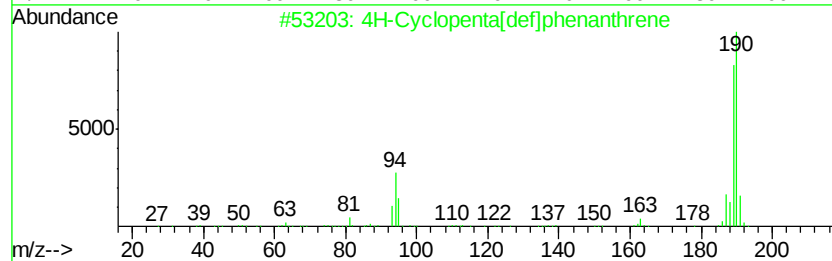
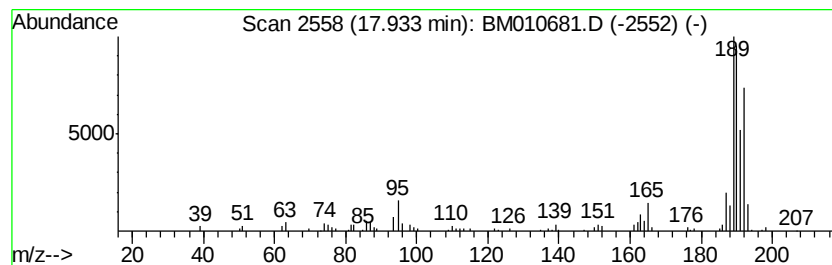
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Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.11 ng/ul	334769	Phenanthrene-d10	16.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	41
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010681.D
Acq On : 23 Jun 2017 03:56
Operator : SJ/JU
Sample : I3625-19 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A01DL

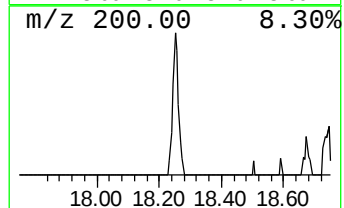
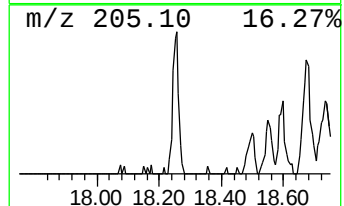
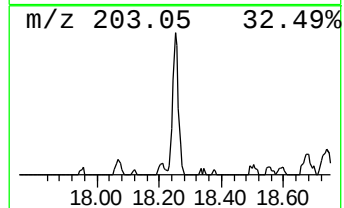
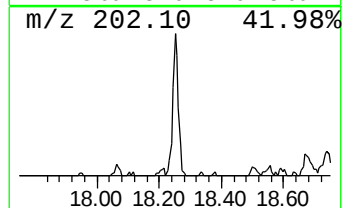
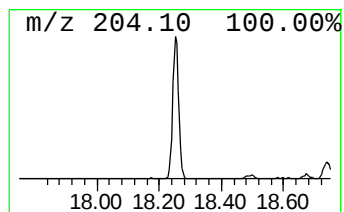
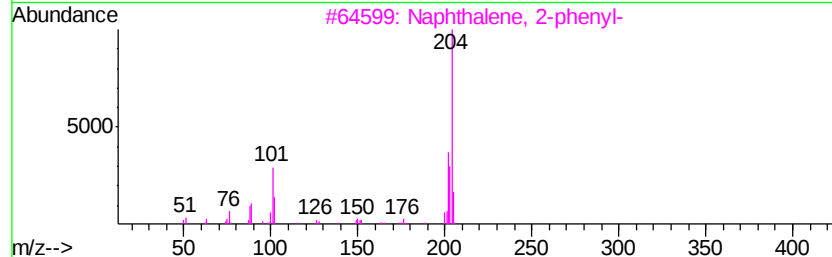
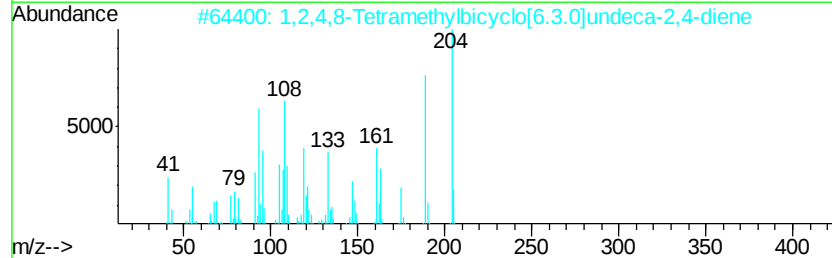
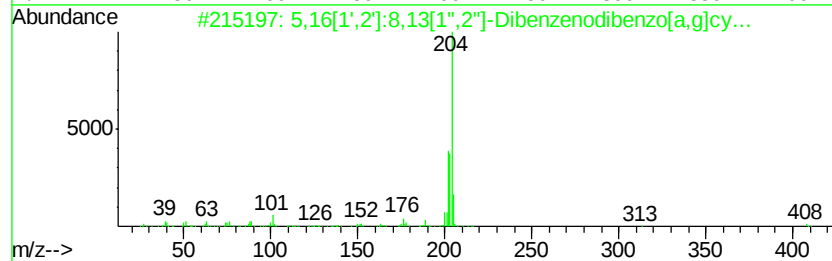
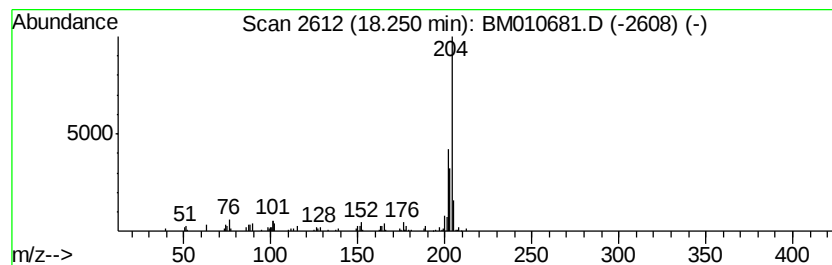
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	2.18 ng/ul	177141	Phenanthrene-d10	16.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24		005672-97-9	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24		137235-51-9	83
3	Naphthalene, 2-phenyl-	204	C16H12		000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12		006572-60-7	70
5	Naphthalene, 2-phenyl-	204	C16H12		000612-94-2	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010681.D
Acq On : 23 Jun 2017 03:56
Operator : SJ/JU
Sample : I3625-19 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A01DL

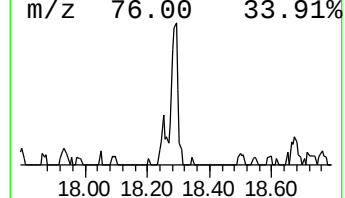
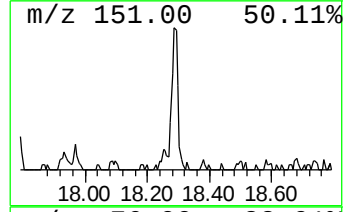
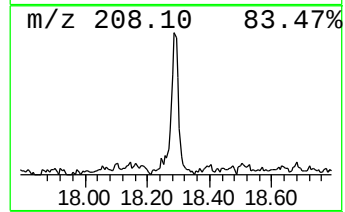
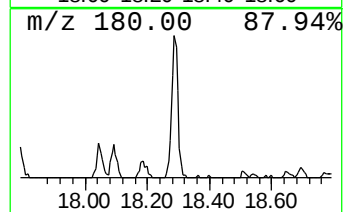
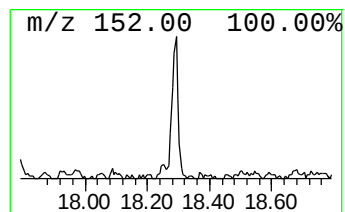
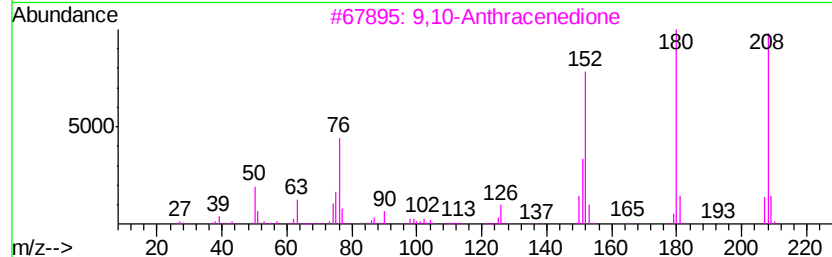
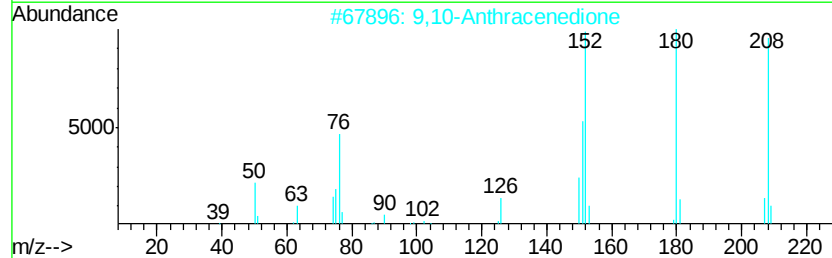
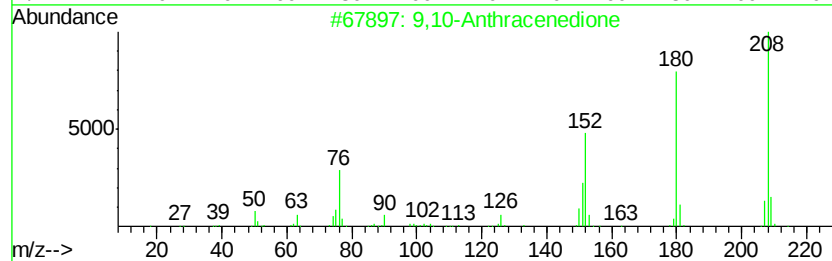
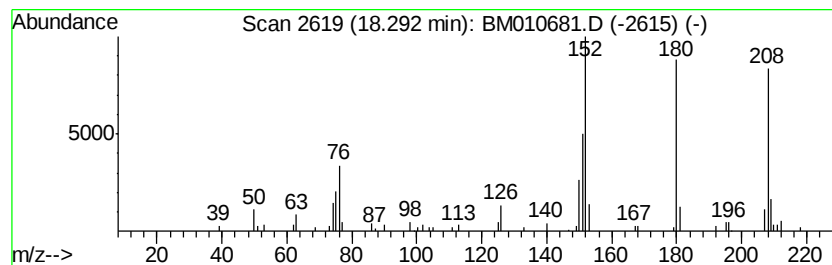
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.07 ng/ul	168217	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A01DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 2-m...	17.74	2.9	ng/ul	237478	4	16.87	1628160	20.0
Phenanthrene, 1-m...	17.79	4.5	ng/ul	368301	4	16.87	1628160	20.0
4H-Cyclopenta[def...	17.93	4.1	ng/ul	334769	4	16.87	1628160	20.0
5,16[1',2']:8,13[...	18.25	2.2	ng/ul	177141	4	16.87	1628160	20.0
9,10-Anthracenedione	18.29	2.1	ng/ul	168217	4	16.87	1628160	20.0