

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023248.D
 Acq On : 18 Oct 2019 08:52
 Operator : JU
 Sample : K5235-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPC5

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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	3.175	29	32	38	rVB	80022	106970	1.34%	0.100%
2	3.587	99	102	108	rVB2	32816	49086	0.62%	0.046%
3	3.681	114	118	125	rVB	123932	158146	1.99%	0.148%
4	3.810	137	140	147	rVB2	45010	74665	0.94%	0.070%
5	3.899	152	155	162	rVB	66096	89776	1.13%	0.084%
6	6.834	647	654	665	rBV2	1172222	2079845	26.12%	1.945%
7	6.998	675	682	692	rBV	909364	1425738	17.91%	1.334%
8	7.193	709	715	724	rBV	1259004	1992731	25.03%	1.864%
9	7.657	787	794	803	rBV	1441789	2307006	28.97%	2.158%
10	7.740	803	808	812	rVV2	26545	39871	0.50%	0.037%
11	8.363	908	914	924	rBV	1123156	1847667	23.21%	1.728%
12	8.804	978	989	997	rBV	1129831	1836424	23.06%	1.718%
13	9.287	1066	1071	1077	rBV3	40143	59380	0.75%	0.056%
14	9.528	1102	1112	1119	rBV	887817	1501978	18.86%	1.405%
15	10.063	1193	1203	1211	rBV	1479255	2456096	30.85%	2.297%
16	10.439	1260	1267	1274	rBV	1872799	3081742	38.70%	2.882%
17	10.575	1281	1290	1307	rBV	939657	1717610	21.57%	1.607%
18	12.033	1533	1538	1545	rVB	27383	49439	0.62%	0.046%
19	12.110	1545	1551	1556	rBV	26376	42681	0.54%	0.040%
20	12.328	1583	1588	1595	rVB4	22961	42883	0.54%	0.040%
21	13.633	1805	1810	1815	rVV2	51414	87682	1.10%	0.082%
22	13.722	1819	1825	1829	rVV	2434588	3440553	43.21%	3.218%
23	13.769	1829	1833	1839	rVV	805999	1093678	13.74%	1.023%
24	13.863	1845	1849	1854	rVV5	22859	34386	0.43%	0.032%
25	13.992	1864	1871	1884	rBV	2895577	4480297	56.27%	4.191%
26	14.304	1918	1924	1931	rVV2	2674613	3977824	49.96%	3.721%
27	14.369	1931	1935	1944	rVB	55614	87780	1.10%	0.082%
28	14.504	1952	1958	1970	rBV	828471	1274964	16.01%	1.193%
29	14.622	1974	1978	1979	rVV3	21781	34670	0.44%	0.032%
30	14.651	1979	1983	1989	rVV3	69322	127044	1.60%	0.119%
31	14.727	1989	1996	2002	rVV5	213074	379419	4.77%	0.355%
32	14.786	2002	2006	2011	rVV2	27127	43684	0.55%	0.041%
33	14.933	2025	2031	2036	rBV7	32613	56950	0.72%	0.053%
34	15.104	2053	2060	2063	rVV6	23053	45764	0.57%	0.043%

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35	15.139	2063	2066	2070	rVV2	38850	56575	0.71%	0.053%
36	15.192	2070	2075	2080	rVB4	33541	49371	0.62%	0.046%
37	15.298	2085	2093	2099	rBV	3545609	5270707	66.20%	4.930%
38	15.357	2099	2103	2108	rVB3	115195	181451	2.28%	0.170%
39	15.421	2108	2114	2122	rBV	728184	1062494	13.34%	0.994%
40	15.539	2128	2134	2137	rBV2	45268	95312	1.20%	0.089%
41	15.569	2137	2139	2144	rVB3	37645	42664	0.54%	0.040%
42	15.651	2149	2153	2157	rVB4	37747	56951	0.72%	0.053%
43	15.798	2174	2178	2186	rVB7	39023	85006	1.07%	0.080%
44	15.880	2188	2192	2200	rVB8	21553	45832	0.58%	0.043%
45	16.086	2224	2227	2232	rVB4	38939	53135	0.67%	0.050%
46	16.251	2250	2255	2259	rVB4	46140	70827	0.89%	0.066%
47	16.363	2265	2274	2279	rBV6	123651	233475	2.93%	0.218%
48	16.410	2279	2282	2287	rVV2	34964	46388	0.58%	0.043%
49	16.468	2289	2292	2296	rBV6	20738	33987	0.43%	0.032%
50	16.598	2311	2314	2317	rVV4	26026	40074	0.50%	0.037%
51	16.633	2317	2320	2324	rVB5	33778	38550	0.48%	0.036%
52	16.704	2328	2332	2336	rBV	39819	53352	0.67%	0.050%
53	16.804	2343	2349	2352	rBV5	31736	71119	0.89%	0.067%
54	17.051	2385	2391	2395	rBV2	3274278	4600596	57.78%	4.303%
55	17.092	2395	2398	2402	rVB	1044762	1317272	16.54%	1.232%
56	17.151	2402	2408	2412	rBV	3878025	5510976	69.21%	5.155%
57	17.251	2420	2425	2430	rBV5	56834	92706	1.16%	0.087%
58	17.457	2455	2460	2465	rVB	136776	213886	2.69%	0.200%
59	17.580	2478	2481	2484	rVB2	41290	53639	0.67%	0.050%
60	17.633	2486	2490	2494	rVB	84527	113991	1.43%	0.107%
61	17.680	2494	2498	2501	rBV4	53193	71779	0.90%	0.067%
62	17.851	2523	2527	2530	rBV5	28383	51219	0.64%	0.048%
63	17.927	2535	2540	2544	rVV	338828	494506	6.21%	0.463%
64	17.974	2544	2548	2555	rVV	510100	749835	9.42%	0.701%
65	18.045	2555	2560	2566	rVV2	161143	386141	4.85%	0.361%
66	18.115	2567	2572	2576	rVV2	462457	843740	10.60%	0.789%
67	18.157	2576	2579	2587	rVB	269754	416984	5.24%	0.390%
68	18.274	2595	2599	2604	rVB4	100066	146447	1.84%	0.137%
69	18.433	2621	2626	2629	rBV2	165438	268786	3.38%	0.251%
70	18.462	2629	2631	2643	rVB2	158524	257079	3.23%	0.240%
71	18.680	2665	2668	2673	rVB	129737	157842	1.98%	0.148%

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72	18.733	2674	2677	2680	rVV	108913	132129	1.66%	0.124%
73	18.774	2681	2684	2688	rVB	99181	120659	1.52%	0.113%
74	18.857	2693	2698	2702	rBV	323912	544991	6.84%	0.510%
75	18.915	2703	2708	2711	rBV3	172936	284334	3.57%	0.266%
76	18.986	2717	2720	2728	rVB3	180236	327029	4.11%	0.306%
77	19.109	2737	2741	2747	rVB	2024869	2771640	34.81%	2.592%
78	19.186	2751	2754	2757	rBV2	100609	131820	1.66%	0.123%
79	19.262	2764	2767	2771	rBV	82365	127185	1.60%	0.119%
80	19.445	2793	2798	2801	rBV	5322100	7474676	93.88%	6.991%
81	19.474	2801	2803	2812	rVB	2446349	2919543	36.67%	2.731%
82	19.686	2836	2839	2843	rBV	538306	668890	8.40%	0.626%
83	19.809	2856	2860	2865	rBV3	218437	415154	5.21%	0.388%
84	19.945	2879	2883	2884	rBV3	175025	238105	2.99%	0.223%
85	19.974	2885	2888	2894	rVB	413094	619502	7.78%	0.579%
86	20.074	2902	2905	2909	rVB	270613	317988	3.99%	0.297%
87	20.133	2911	2915	2919	rVV2	382788	509199	6.40%	0.476%
88	20.274	2936	2939	2943	rVB	257112	303334	3.81%	0.284%
89	20.315	2943	2946	2951	rBV	294099	390354	4.90%	0.365%
90	20.486	2972	2975	2980	rBV	215732	232207	2.92%	0.217%
91	20.986	3056	3060	3064	rBV2	1631929	2102163	26.40%	1.966%
92	21.186	3092	3094	3097	rBV2	301180	293172	3.68%	0.274%
93	21.239	3097	3103	3107	rVV2	4694390	7962147	100.00%	7.447%
94	21.280	3107	3110	3119	rVB	1693619	2226121	27.96%	2.082%
95	21.433	3134	3136	3144	rVB4	343838	390034	4.90%	0.365%
96	21.868	3208	3210	3214	rVB2	541123	606444	7.62%	0.567%
97	22.792	3363	3367	3371	rBV	1139752	2154739	27.06%	2.015%
98	22.833	3372	3374	3379	rVB	1279664	1683153	21.14%	1.574%
99	23.315	3451	3456	3460	rBV	3866754	6311536	79.27%	5.903%
100	23.450	3474	3479	3486	rVB	2905941	5195634	65.25%	4.860%

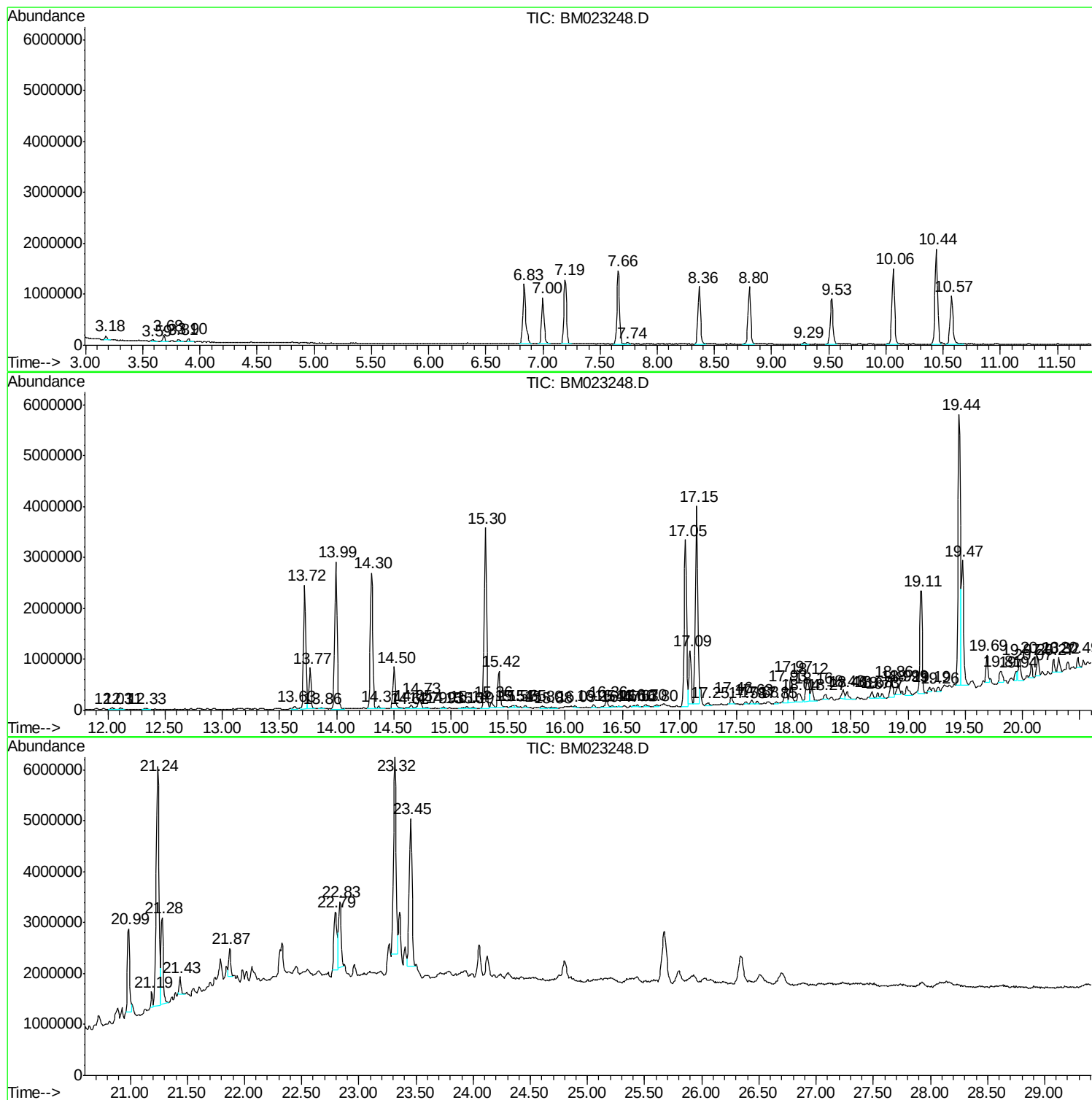
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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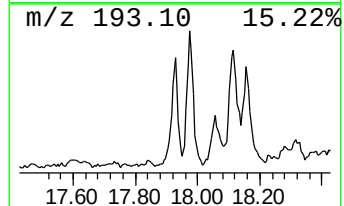
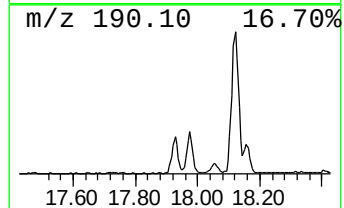
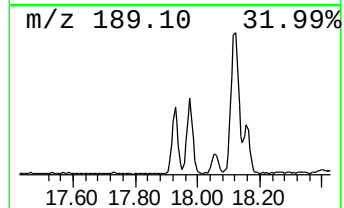
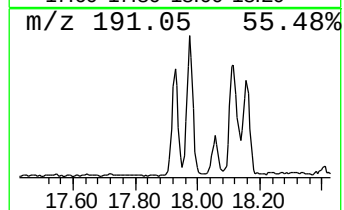
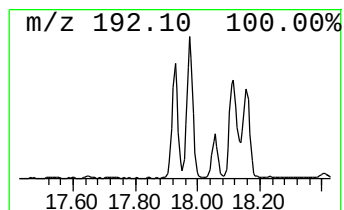
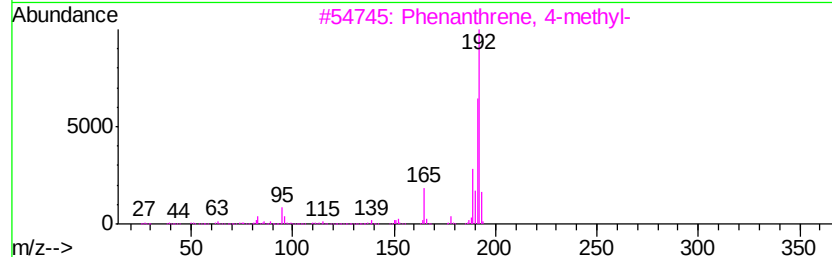
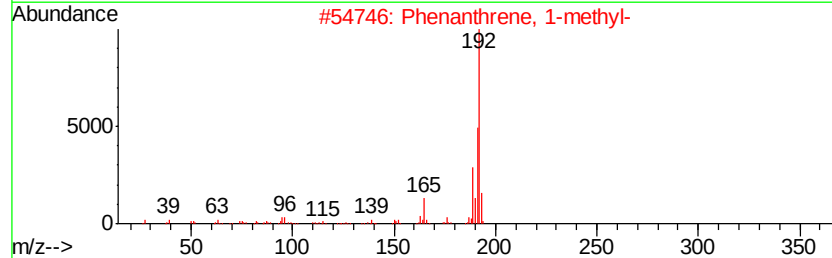
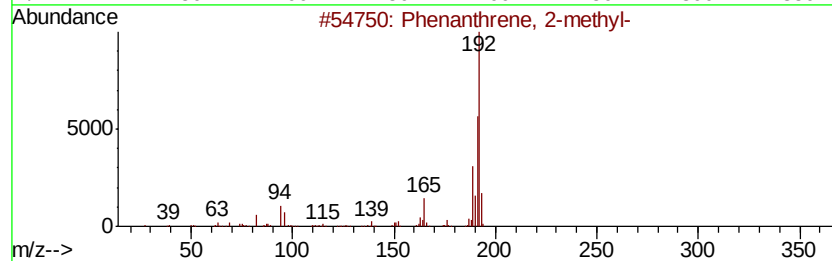
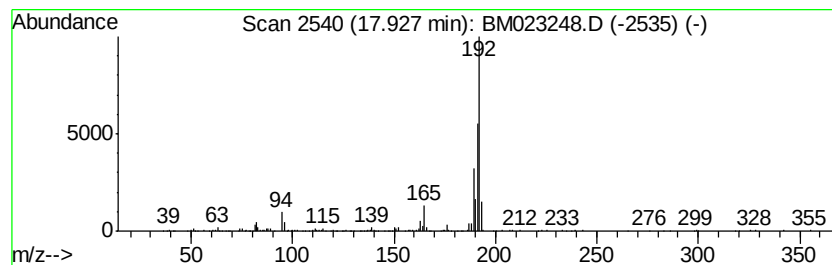
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.93	2.15 ng/ul	494506	Phenanthrene-d10		17.05
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	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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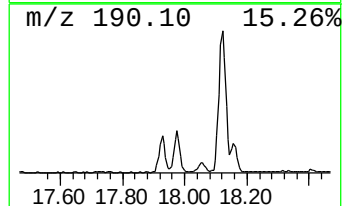
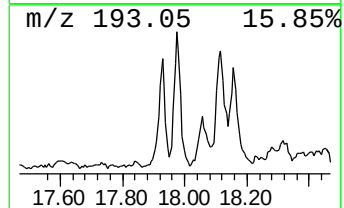
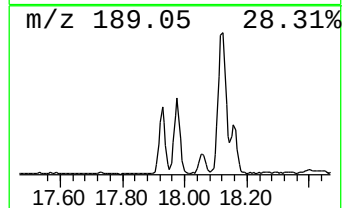
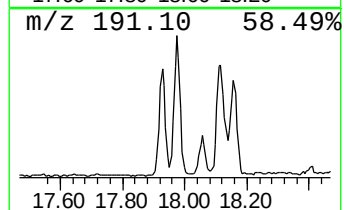
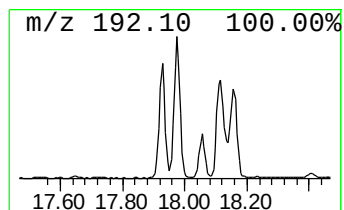
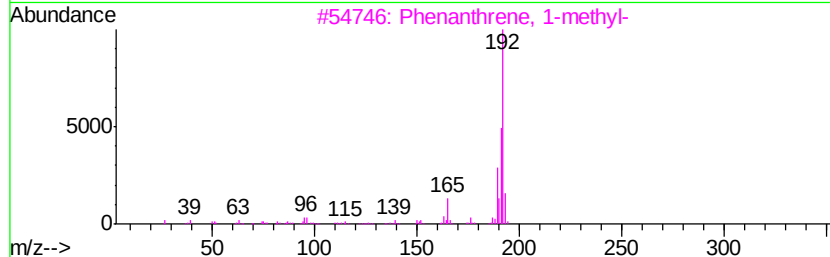
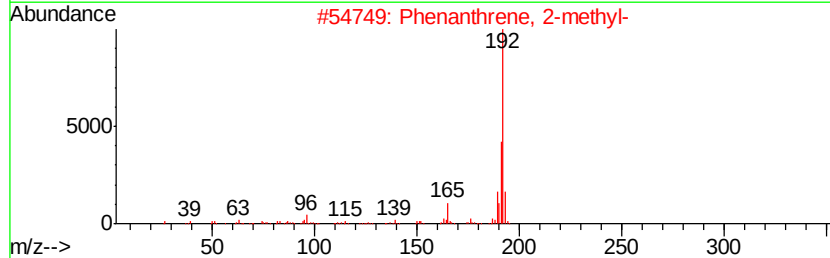
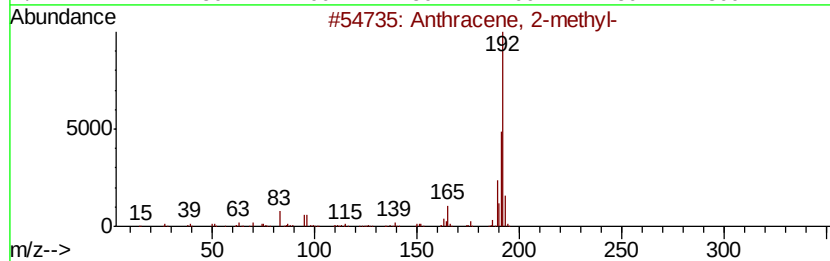
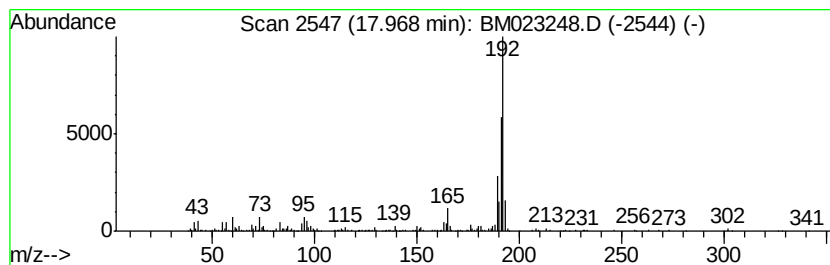
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.97	3.26 ng/ul	749835	Phenanthrene-d10	17.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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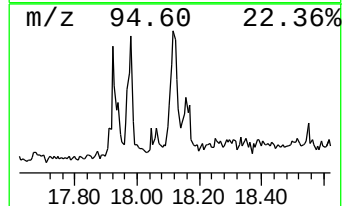
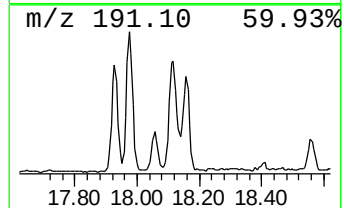
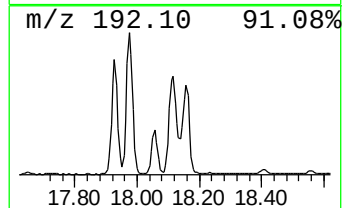
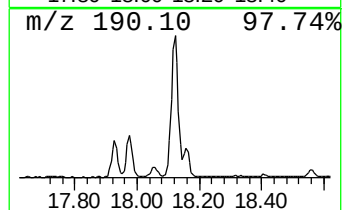
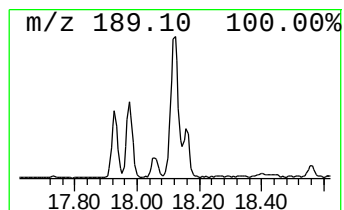
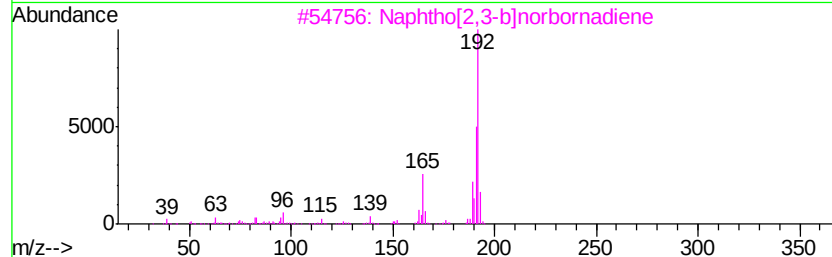
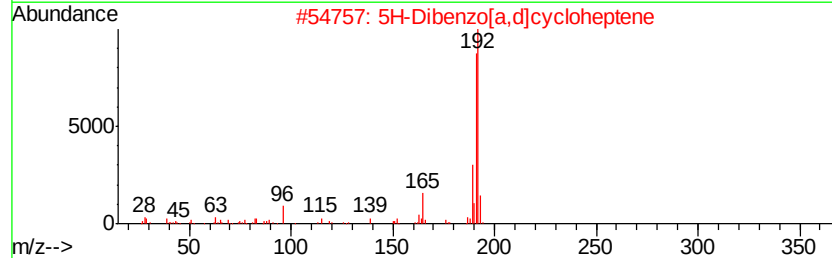
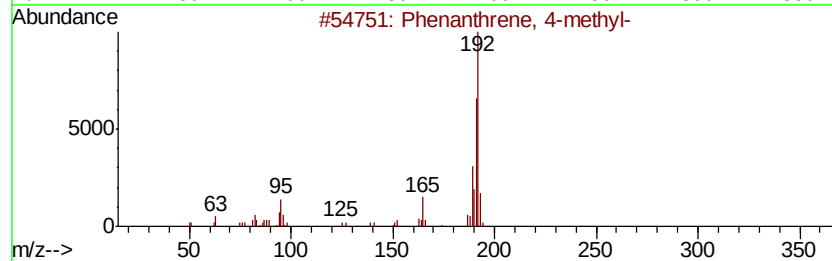
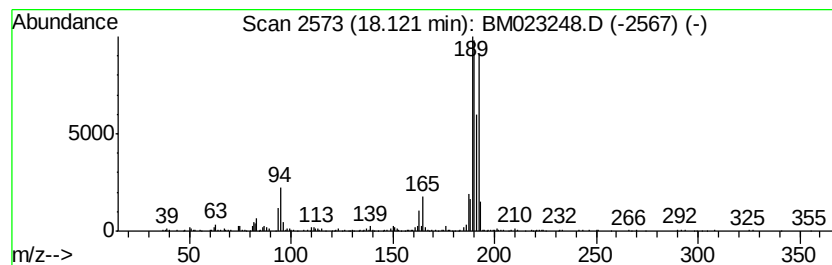
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Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.12	3.67 ng/ul	843740	Phenanthrene-d10		17.05		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	55
3			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023248.D
Acq On : 18 Oct 2019 08:52
Operator : JU
Sample : K5235-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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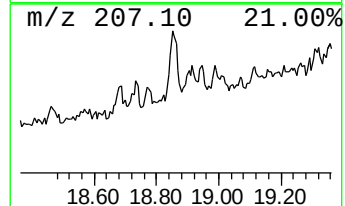
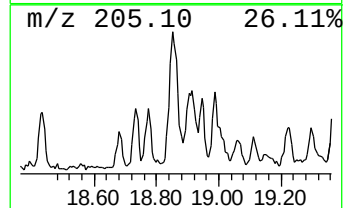
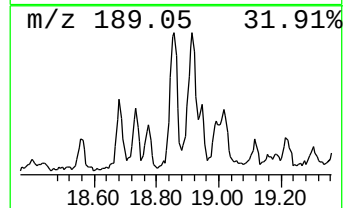
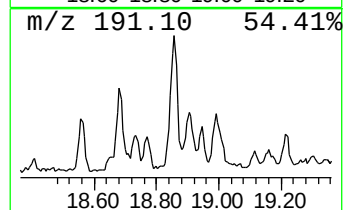
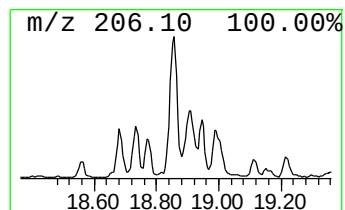
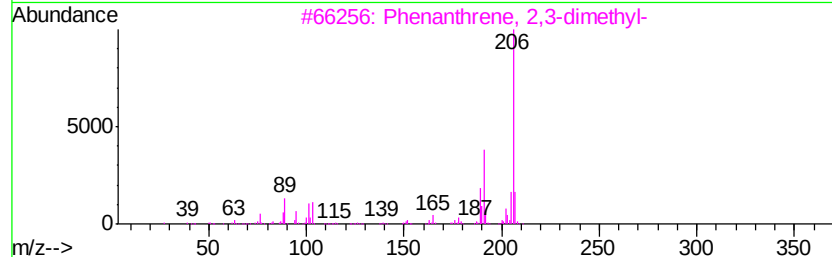
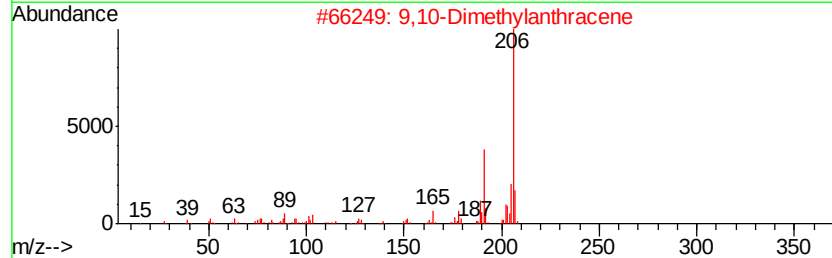
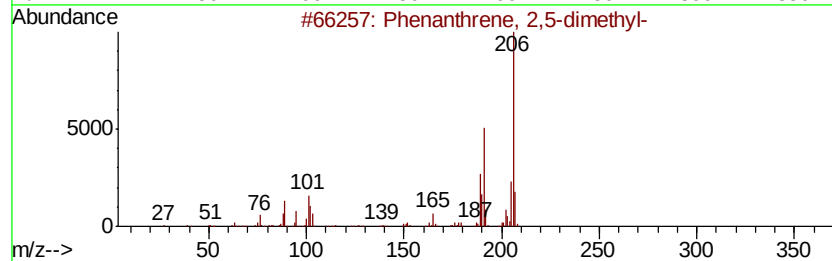
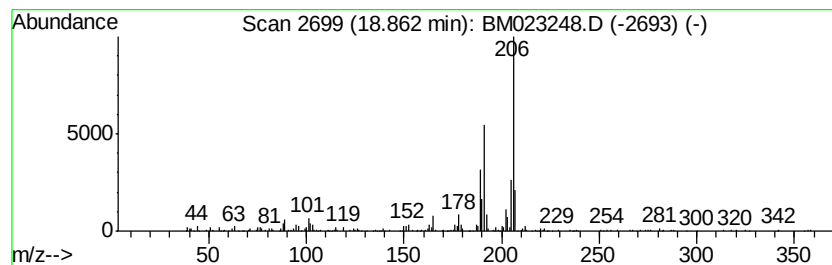
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.37 ng/ul	544991	Phenanthrene-d10	17.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	87
5		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
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Sample : K5235-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPC5

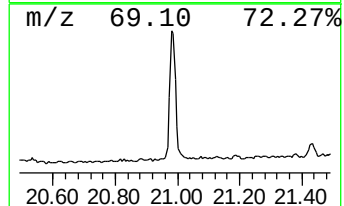
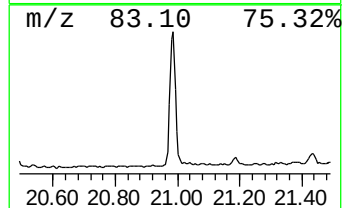
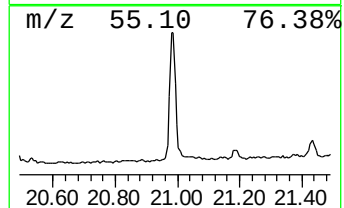
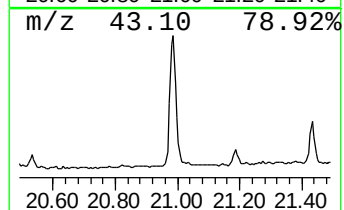
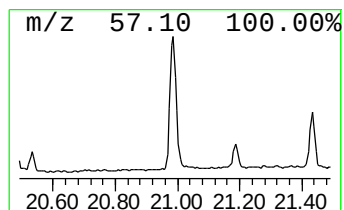
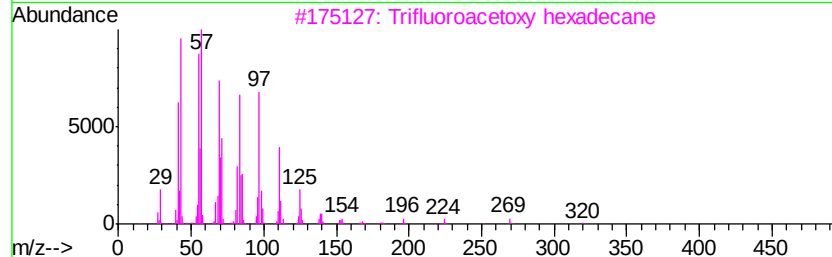
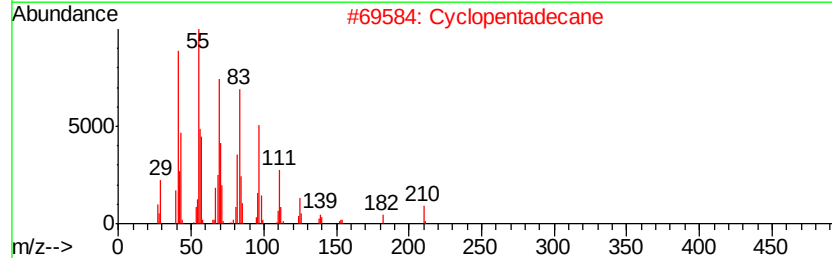
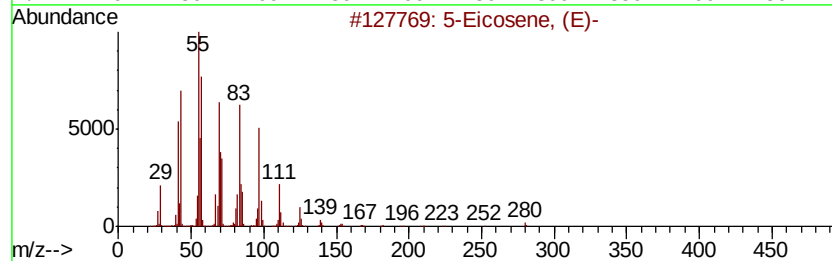
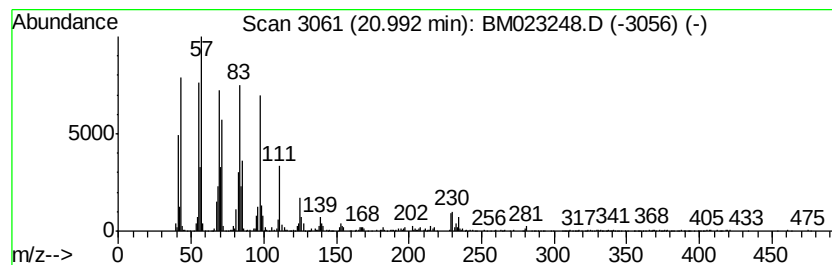
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic20.99 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	5.28 ng/ul	2102160	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2		Cyclopentadecane	210	C15H30	000295-48-7	94
3		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4		1-Heneicosanol	312	C21H44O	015594-90-8	94
5		Behenic alcohol	326	C22H46O	000661-19-8	94



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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPC5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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...	17.93	2.1	ng/ul	494506	4	17.05	4600600	20.0
Anthracene, 2-met...	17.97	3.3	ng/ul	749835	4	17.05	4600600	20.0
Phenanthrene, 4-m...	18.12	3.7	ng/ul	843740	4	17.05	4600600	20.0
Phenanthrene, 2,5...	18.86	2.4	ng/ul	544991	4	17.05	4600600	20.0
(DEL) Alkane: Cyc...	20.99	5.3	ng/ul	2102160	5	21.24	7962150	20.0