

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102919\
 Data File : BM023451.D
 Acq On : 29 Oct 2019 20:08
 Operator : JU
 Sample : K5395-10DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0003DL

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-BM102319MA.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	6.328	564	568	573	rVB2	51353	82180	0.49%	0.054%
2	6.804	644	649	657	rBV	110201	201773	1.21%	0.132%
3	6.963	672	676	686	rVB	85988	155370	0.93%	0.101%
4	7.075	690	695	700	rVV	107858	182880	1.10%	0.119%
5	7.163	704	710	718	rVB	118767	194459	1.16%	0.127%
6	7.534	768	773	778	rBV3	59929	90255	0.54%	0.059%
7	7.622	781	788	797	rBV	1954403	3028741	18.14%	1.976%
8	7.851	822	827	833	rVB4	27407	48672	0.29%	0.032%
9	8.334	904	909	918	rVB	109264	192467	1.15%	0.126%
10	8.769	976	983	990	rBV	105920	190682	1.14%	0.124%
11	9.492	1099	1106	1115	rBV2	78354	152812	0.92%	0.100%
12	10.033	1190	1198	1207	rBV	115278	200600	1.20%	0.131%
13	10.398	1253	1260	1275	rBV	2595702	4419318	26.48%	2.883%
14	10.545	1278	1285	1298	rVB2	49777	118377	0.71%	0.077%
15	13.010	1696	1704	1709	rBV7	23956	40810	0.24%	0.027%
16	13.157	1725	1729	1734	rVB5	41353	65124	0.39%	0.042%
17	13.686	1814	1819	1824	rVV	246343	349770	2.10%	0.228%
18	13.733	1824	1827	1835	rVB	116431	159387	0.95%	0.104%
19	13.957	1859	1865	1868	rBV	264181	429323	2.57%	0.280%
20	13.992	1868	1871	1879	rVB	259110	371315	2.22%	0.242%
21	14.268	1911	1918	1925	rBV	3835842	5691882	34.10%	3.713%
22	14.333	1925	1929	1937	rVV2	65713	143531	0.86%	0.094%
23	14.498	1952	1957	1963	rBV8	23445	53313	0.32%	0.035%
24	14.568	1965	1969	1976	rVB7	37661	62803	0.38%	0.041%
25	14.674	1979	1987	1991	rBV	68676	119084	0.71%	0.078%
26	15.268	2082	2088	2093	rBV	358375	543961	3.26%	0.355%
27	15.321	2093	2097	2104	rVV2	88882	150228	0.90%	0.098%
28	15.392	2104	2109	2115	rVV6	30145	53010	0.32%	0.035%
29	15.621	2143	2148	2154	rVB	60884	82056	0.49%	0.054%
30	15.763	2167	2172	2181	rBV	70690	152669	0.91%	0.100%
31	16.292	2257	2262	2265	rBV6	19214	38984	0.23%	0.025%
32	16.327	2265	2268	2274	rVV5	27241	55703	0.33%	0.036%
33	16.562	2300	2308	2311	rBV	51692	85797	0.51%	0.056%
34	16.598	2311	2314	2317	rVV2	35152	43449	0.26%	0.028%

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35	16.674	2322	2327	2335	rVB	116021	192445	1.15%	0.126%
36	16.774	2335	2344	2348	rBV3	82612	192477	1.15%	0.126%
37	16.833	2348	2354	2364	rVB	202609	326673	1.96%	0.213%
38	17.015	2379	2385	2389	rBV2	4510873	6602757	39.56%	4.308%
39	17.057	2389	2392	2398	rVV	4613034	6320300	37.86%	4.123%
40	17.115	2398	2402	2404	rVV	448531	631473	3.78%	0.412%
41	17.151	2404	2408	2415	rVV	831760	1244032	7.45%	0.812%
42	17.209	2415	2418	2423	rVB5	50685	77575	0.46%	0.051%
43	17.421	2446	2454	2459	rBV	280932	436683	2.62%	0.285%
44	17.462	2459	2461	2469	rVB4	24293	37612	0.23%	0.025%
45	17.539	2470	2474	2480	rBV	135951	179787	1.08%	0.117%
46	17.598	2480	2484	2488	rBV2	47144	64708	0.39%	0.042%
47	17.739	2504	2508	2513	rVB3	29452	49859	0.30%	0.033%
48	17.815	2517	2521	2525	rBV5	29596	44009	0.26%	0.029%
49	17.892	2525	2534	2538	rBV	367997	538028	3.22%	0.351%
50	17.939	2538	2542	2549	rVB	549574	786037	4.71%	0.513%
51	18.021	2550	2556	2561	rBV	147309	226801	1.36%	0.148%
52	18.086	2561	2567	2571	rBV2	554259	965511	5.78%	0.630%
53	18.121	2571	2573	2581	rVB	242695	325226	1.95%	0.212%
54	18.215	2582	2589	2591	rBV4	61284	111852	0.67%	0.073%
55	18.239	2591	2593	2599	rVB4	40377	53052	0.32%	0.035%
56	18.398	2615	2620	2624	rVV	500627	709671	4.25%	0.463%
57	18.439	2624	2627	2632	rVB	375720	487465	2.92%	0.318%
58	18.527	2639	2642	2649	rVB2	39047	53633	0.32%	0.035%
59	18.651	2658	2663	2666	rBV	86316	131397	0.79%	0.086%
60	18.698	2668	2671	2674	rVV	65707	76406	0.46%	0.050%
61	18.739	2674	2678	2681	rBV	74163	90124	0.54%	0.059%
62	18.821	2687	2692	2697	rBV	191176	283564	1.70%	0.185%
63	18.886	2698	2703	2705	rBV2	72322	114114	0.68%	0.074%
64	18.956	2710	2715	2723	rVB	445722	626464	3.75%	0.409%
65	19.080	2730	2736	2743	rBV	11875158	16161296	96.82%	10.543%
66	19.151	2745	2748	2750	rVV	60346	78222	0.47%	0.051%
67	19.180	2750	2753	2757	rVB	105272	139723	0.84%	0.091%
68	19.233	2758	2762	2765	rVV	219756	278510	1.67%	0.182%
69	19.327	2773	2778	2784	rVB	364163	568669	3.41%	0.371%
70	19.445	2788	2798	2806	rVV	10307235	16691915	100.00%	10.889%
71	19.515	2806	2810	2817	rVB	321536	486362	2.91%	0.317%

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72	19.627	2825	2829	2835	rBV	506361	650492	3.90%	0.424%
73	19.686	2835	2839	2845	rVB	182053	294613	1.77%	0.192%
74	19.780	2848	2855	2860	rBV3	397155	1027721	6.16%	0.670%
75	19.821	2860	2862	2866	rVB	95699	116784	0.70%	0.076%
76	19.909	2872	2877	2879	rBV2	338839	528610	3.17%	0.345%
77	20.045	2897	2900	2903	rVB2	83846	95458	0.57%	0.062%
78	20.103	2904	2910	2914	rBV2	566659	977828	5.86%	0.638%
79	20.139	2914	2916	2921	rVB3	148227	185983	1.11%	0.121%
80	20.186	2921	2924	2928	rBV2	101598	130501	0.78%	0.085%
81	20.239	2930	2933	2937	rBV	252341	333045	2.00%	0.217%
82	20.286	2937	2941	2946	rBV3	292500	467709	2.80%	0.305%
83	20.580	2989	2991	2994	rBV	100317	89018	0.53%	0.058%
84	20.692	3006	3010	3018	rBV	849413	1108931	6.64%	0.723%
85	20.856	3033	3038	3042	rBV2	706830	1178583	7.06%	0.769%
86	20.897	3042	3045	3048	rVV	770930	919644	5.51%	0.600%
87	20.933	3048	3051	3057	rVV2	821968	1737006	10.41%	1.133%
88	20.992	3057	3061	3070	rVB2	808056	1224345	7.33%	0.799%
89	21.203	3091	3097	3102	rBV3	8212342	16622014	99.58%	10.844%
90	21.250	3102	3105	3114	rVB	4951702	6258128	37.49%	4.083%
91	21.362	3121	3124	3130	rBV	437993	633074	3.79%	0.413%
92	21.521	3147	3151	3156	rBV2	618200	924262	5.54%	0.603%
93	21.756	3189	3191	3195	rVB2	533456	546082	3.27%	0.356%
94	22.756	3355	3361	3366	rBV	4726639	10970380	65.72%	7.157%
95	22.921	3385	3389	3394	rVB	687817	1071875	6.42%	0.699%
96	23.215	3434	3439	3445	rBV	2420073	4296813	25.74%	2.803%
97	23.309	3450	3455	3464	rVB	3799430	7192417	43.09%	4.692%
98	23.403	3465	3471	3476	rBV	4390108	8281019	49.61%	5.402%
99	25.603	3838	3845	3857	rVB2	2278365	6306340	37.78%	4.114%
100	26.274	3952	3959	3975	rVB	1607374	4781231	28.64%	3.119%

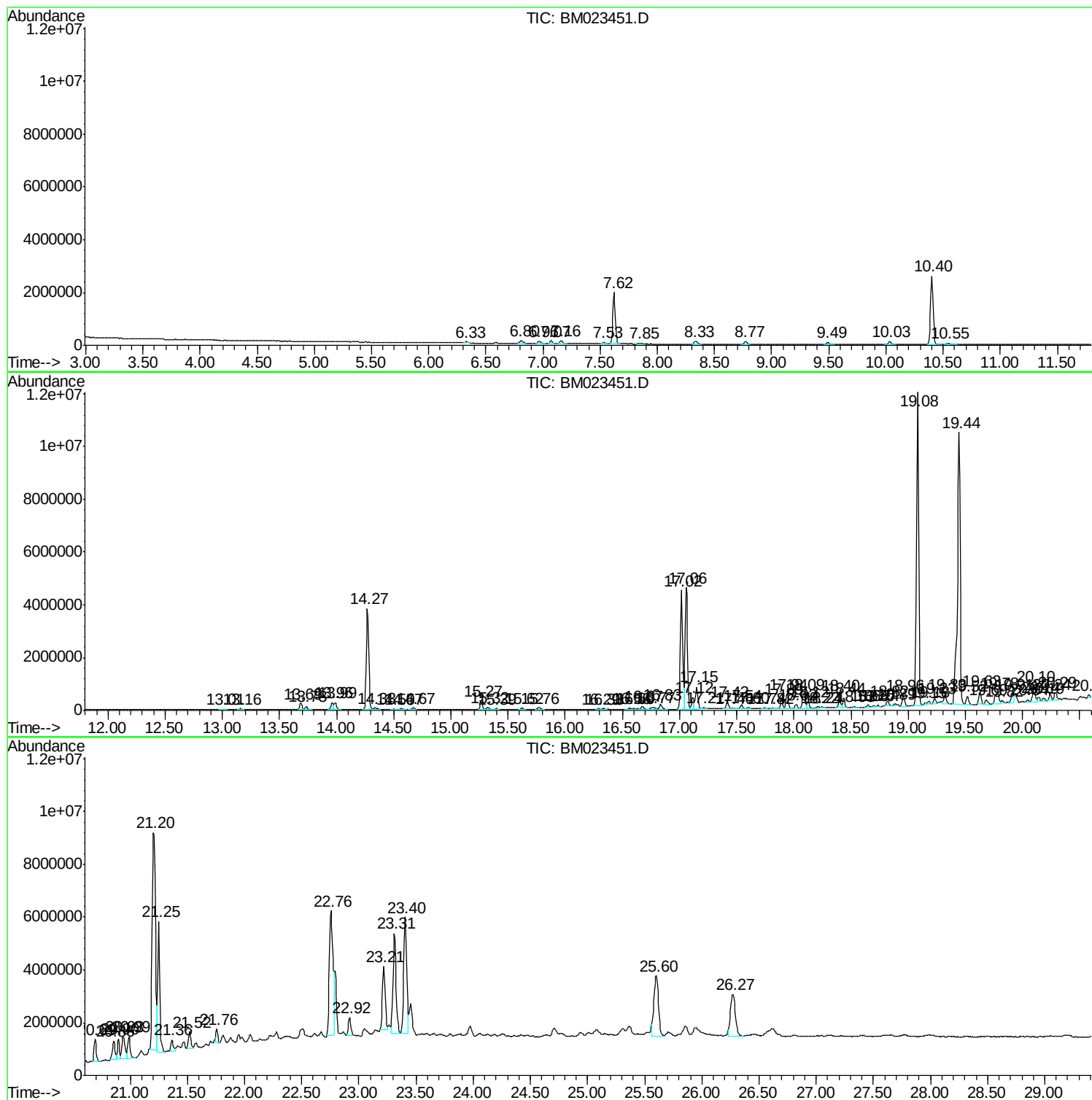
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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



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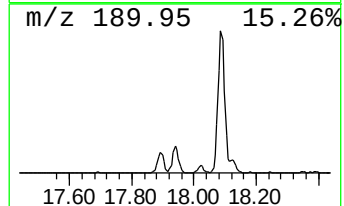
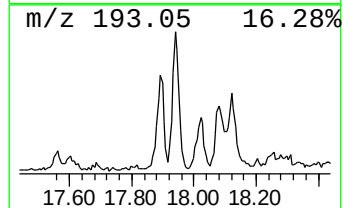
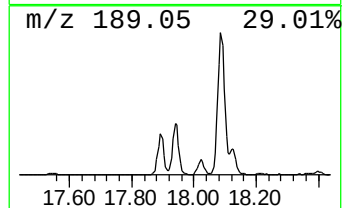
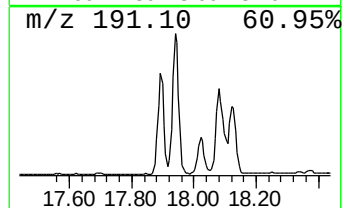
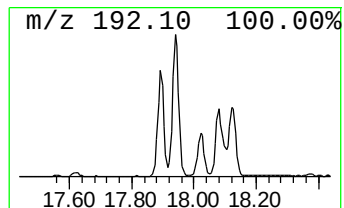
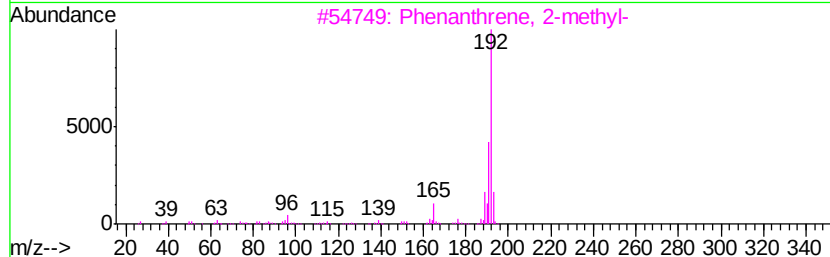
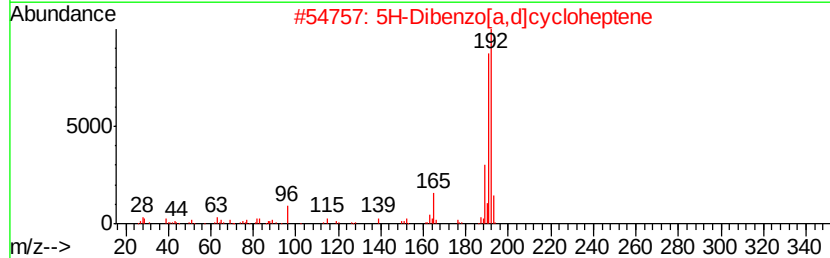
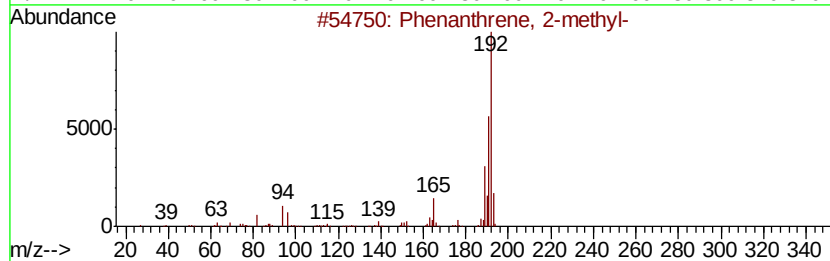
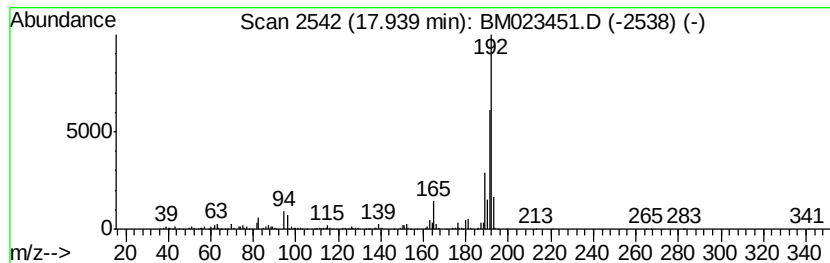
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.94	2.38 ng/ul	786037	Phenanthrene-d10	17.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



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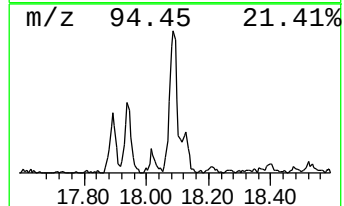
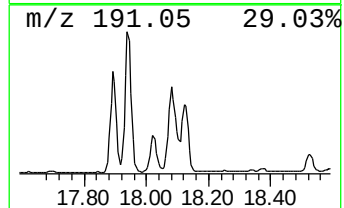
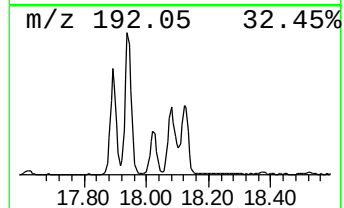
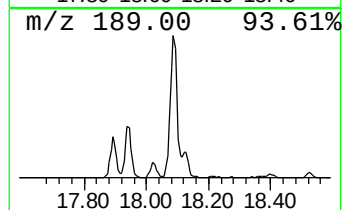
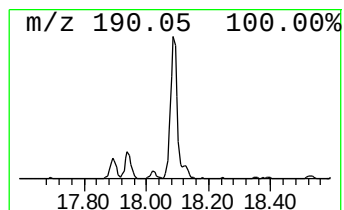
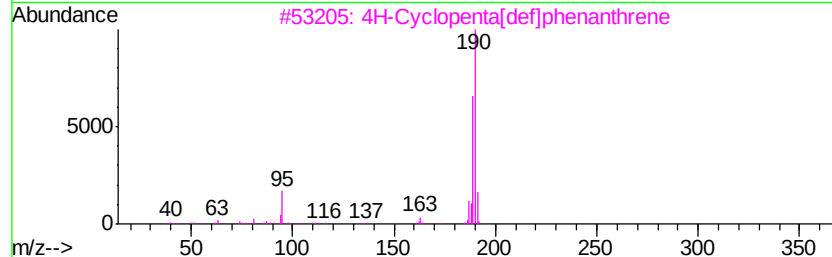
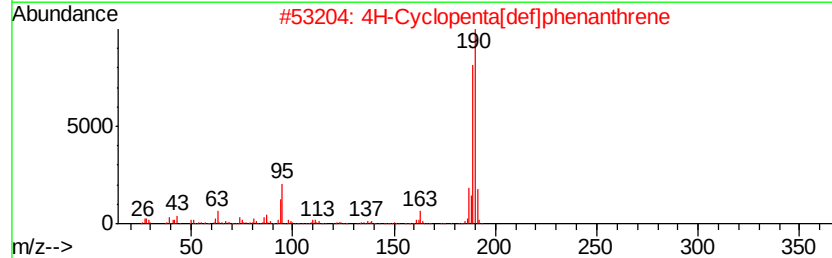
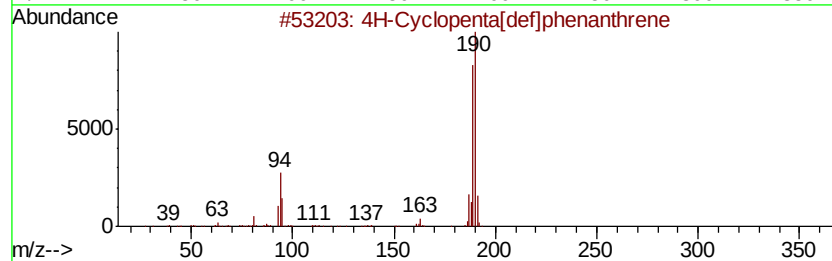
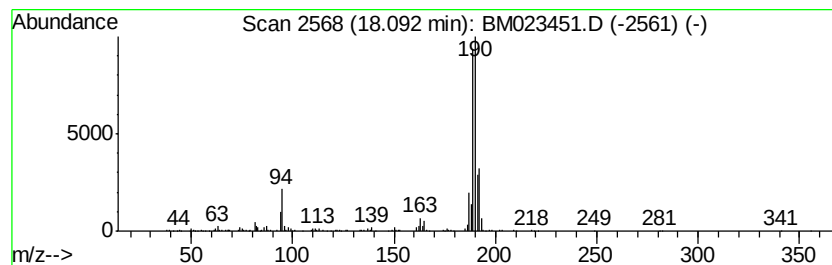
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.09	2.92 ng/ul	965511	Phenanthrene-d10	17.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45



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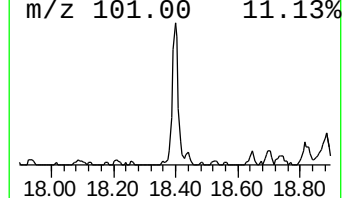
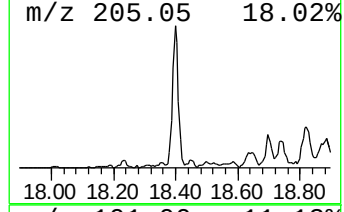
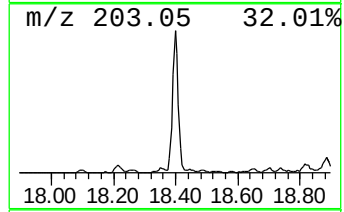
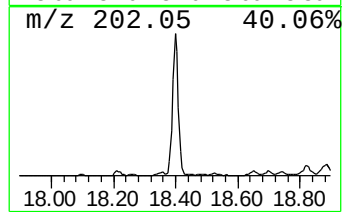
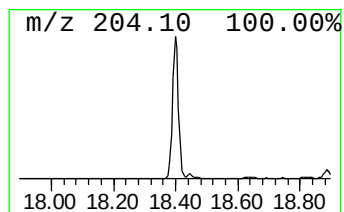
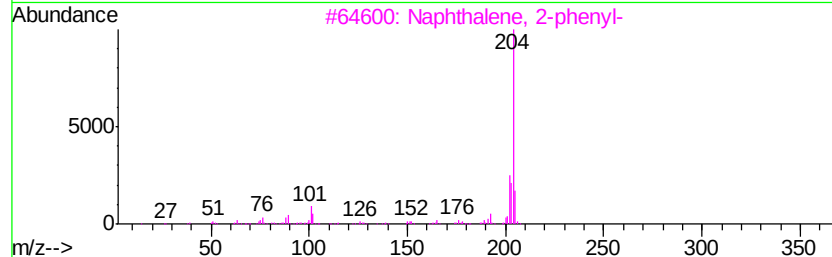
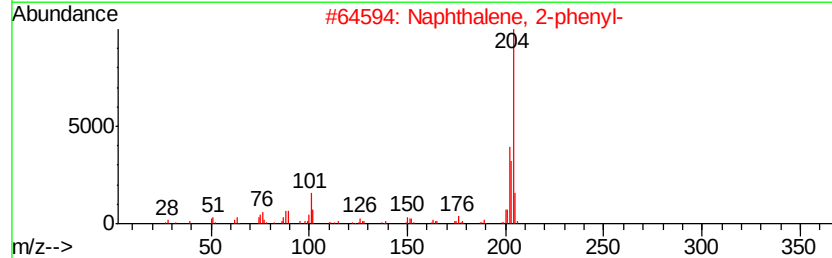
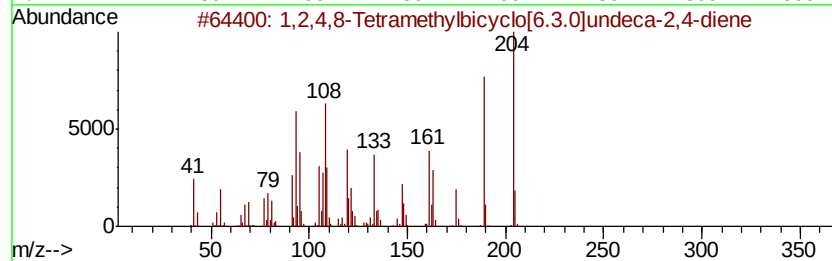
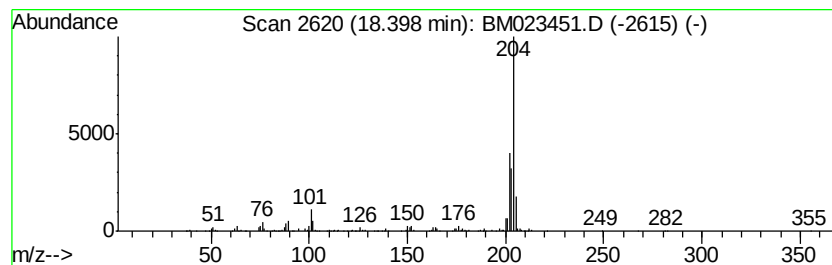
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Peak Number 3 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.15 ng/ul	709671	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	95
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102919\
Data File : BM023451.D
Acq On : 29 Oct 2019 20:08
Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

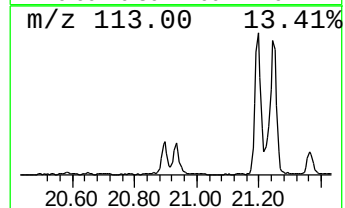
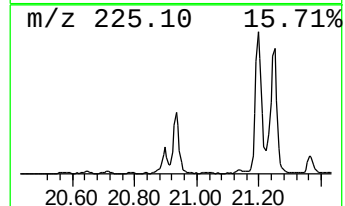
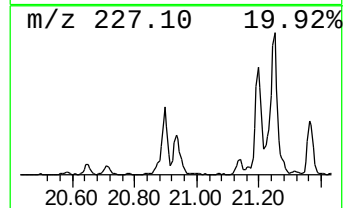
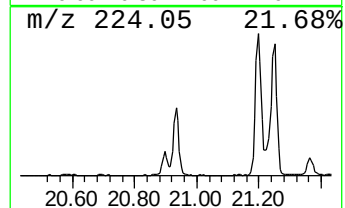
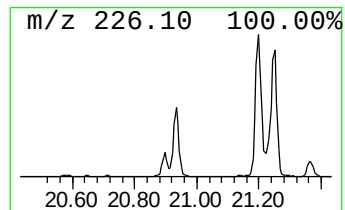
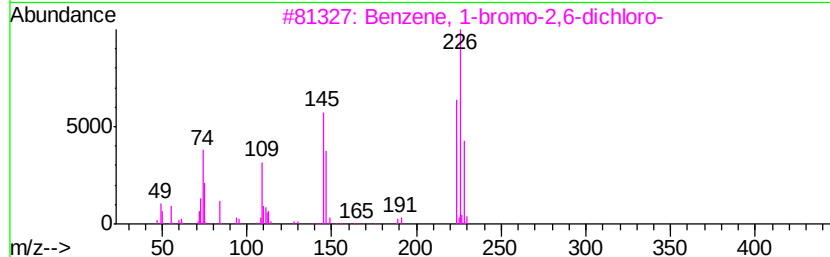
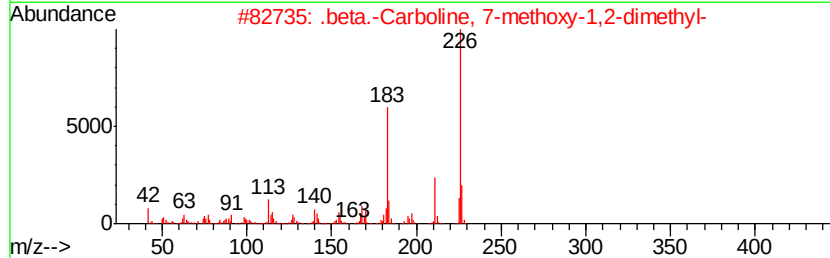
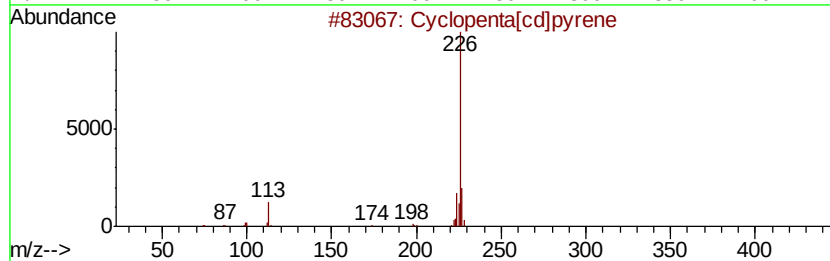
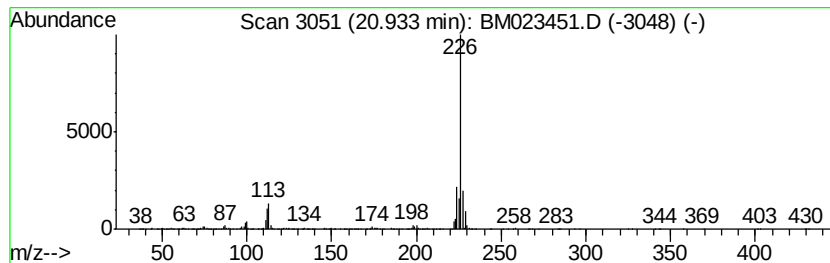
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Cyclopenta[cd]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.09 ng/ul	1737010	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 76
2		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 58
3		Benzene, 1-bromo-2,6-dichloro-	224 C6H3BrCl2	019393-92-1 53
4		1,3-Diamino-5,6-dihydro-7-methyl...	226 C13H14N4	037436-37-6 50
5		9H-Thioxanthen-9-one, 2-methyl-	226 C14H10OS	015774-82-0 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102919\
Data File : BM023451.D
Acq On : 29 Oct 2019 20:08
Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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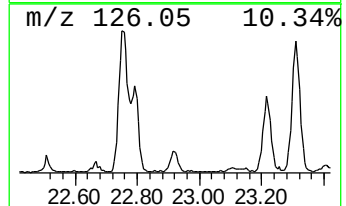
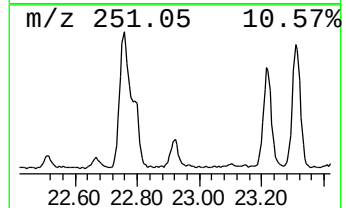
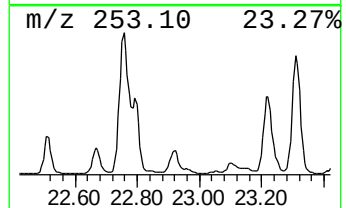
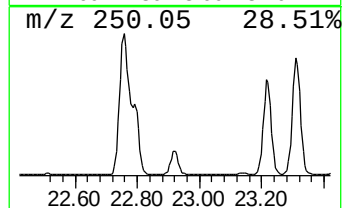
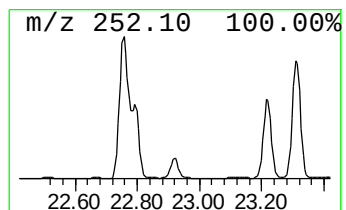
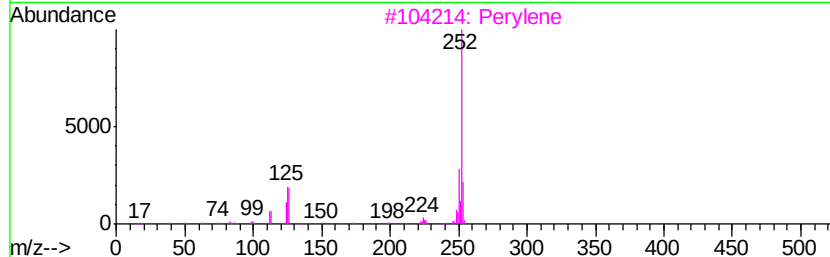
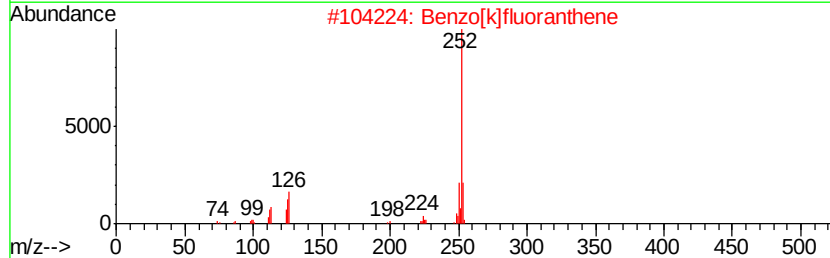
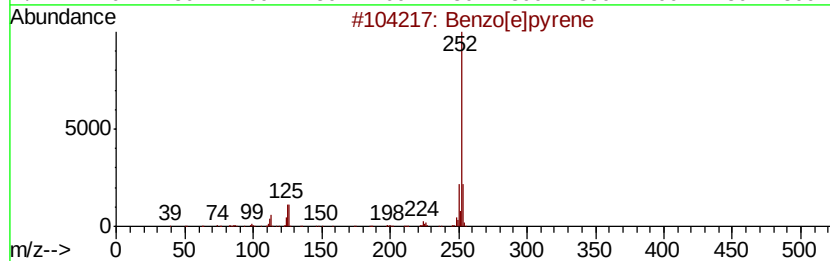
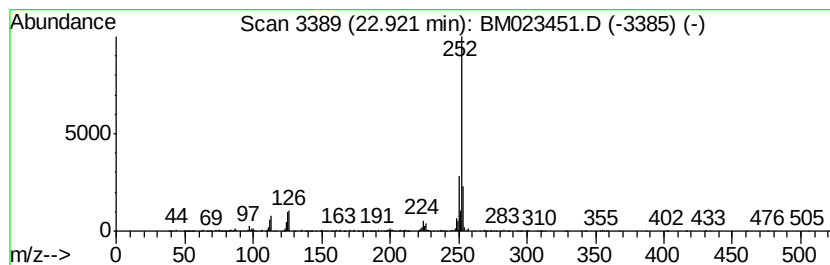
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	2.59 ng/ul	1071880	Perylene-d12	23.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	91
5		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102919\
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Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0003DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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...	17.94	2.4	ng/ul	786037	4	17.02	6602760	20.0
4H-Cyclopenta[def...	18.09	2.9	ng/ul	965511	4	17.02	6602760	20.0
1,2,4,8-Tetrameth...	18.40	2.1	ng/ul	709671	4	17.02	6602760	20.0
Cyclopenta[cd]pyrene	20.93	2.1	ng/ul	1737010	5	21.22	16622000	20.0
Benzo[e]pyrene	22.92	2.6	ng/ul	1071880	6	23.40	8281020	20.0