

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
 Data File : BM023526.D
 Acq On : 31 Oct 2019 19:03
 Operator : JU
 Sample : K5395-10DL 10X
 Misc :
 ALS Vial : 5 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	6.316	563	566	573	rVB2	51115	86726	0.44%	0.049%
2	6.793	642	647	655	rBV2	113808	209929	1.06%	0.118%
3	6.957	671	675	683	rVB	93373	155454	0.78%	0.088%
4	7.063	688	693	702	rVV	114040	193749	0.98%	0.109%
5	7.151	703	708	715	rVB	134848	220075	1.11%	0.124%
6	7.522	766	771	779	rVV2	57330	88163	0.44%	0.050%
7	7.610	780	786	796	rVB	1727184	2712726	13.66%	1.527%
8	7.840	820	825	830	rVB6	29833	53395	0.27%	0.030%
9	8.322	899	907	913	rBV2	120523	217228	1.09%	0.122%
10	8.763	976	982	992	rVB	115902	207054	1.04%	0.117%
11	9.481	1097	1104	1112	rBV2	84370	152315	0.77%	0.086%
12	10.022	1188	1196	1205	rBV2	123040	226284	1.14%	0.127%
13	10.386	1249	1258	1277	rBV	2336548	3980474	20.05%	2.241%
14	10.533	1277	1283	1292	rBV2	55742	111740	0.56%	0.063%
15	12.998	1698	1702	1706	rBV7	27141	41649	0.21%	0.023%
16	13.145	1722	1727	1732	rVB5	44322	66542	0.34%	0.037%
17	13.680	1813	1818	1822	rBV	272525	387217	1.95%	0.218%
18	13.727	1822	1826	1833	rVB	123324	179364	0.90%	0.101%
19	13.951	1856	1864	1866	rBV	307303	473153	2.38%	0.266%
20	13.980	1866	1869	1881	rVB	337325	515688	2.60%	0.290%
21	14.263	1908	1917	1924	rBV	3612987	5396969	27.18%	3.039%
22	14.321	1924	1927	1935	rVV2	78422	172585	0.87%	0.097%
23	14.392	1935	1939	1943	rVB5	13834	21618	0.11%	0.012%
24	14.486	1951	1955	1961	rBV5	25881	51674	0.26%	0.029%
25	14.557	1963	1967	1976	rVB7	44079	76477	0.39%	0.043%
26	14.663	1979	1985	1994	rVV	90391	172850	0.87%	0.097%
27	14.880	2020	2022	2029	rVB8	16469	28134	0.14%	0.016%
28	15.139	2062	2066	2073	rVB9	16606	29844	0.15%	0.017%
29	15.257	2081	2086	2091	rBV	443755	631045	3.18%	0.355%
30	15.316	2091	2096	2104	rVV	101865	178595	0.90%	0.101%
31	15.392	2104	2109	2114	rVV5	37864	68375	0.34%	0.039%
32	15.610	2142	2146	2154	rBV	76646	116755	0.59%	0.066%
33	15.757	2166	2171	2179	rBV2	85696	182146	0.92%	0.103%
34	15.851	2183	2187	2192	rVB6	21125	38223	0.19%	0.022%

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35	15.963	2202	2206	2207	rBV4	16363	20902	0.11%	0.012%
36	16.063	2221	2223	2227	rVB4	29959	30894	0.16%	0.017%
37	16.551	2303	2306	2310	rBV4	68595	97694	0.49%	0.055%
38	16.592	2310	2313	2316	rVB3	56430	64515	0.32%	0.036%
39	16.663	2321	2325	2334	rVB	187718	328489	1.65%	0.185%
40	16.762	2336	2342	2346	rBV2	88289	180132	0.91%	0.101%
41	16.827	2349	2353	2358	rBV	216356	295968	1.49%	0.167%
42	17.010	2378	2384	2387	rBV	4500118	6263979	31.55%	3.527%
43	17.051	2387	2391	2396	rVV	5649241	7510528	37.82%	4.229%
44	17.110	2396	2401	2403	rVV	538293	849223	4.28%	0.478%
45	17.139	2403	2406	2412	rVB	1044470	1453623	7.32%	0.818%
46	17.410	2449	2452	2457	rVB	350070	472254	2.38%	0.266%
47	17.533	2470	2473	2479	rVB2	175893	238324	1.20%	0.134%
48	17.886	2528	2533	2537	rBV	404614	509569	2.57%	0.287%
49	17.933	2537	2541	2550	rVB	664922	950524	4.79%	0.535%
50	18.015	2550	2555	2559	rVB	193024	291134	1.47%	0.164%
51	18.080	2560	2566	2570	rBV2	655961	1162110	5.85%	0.654%
52	18.115	2570	2572	2581	rVB	305989	374970	1.89%	0.211%
53	18.204	2581	2587	2590	rBV5	87264	157521	0.79%	0.089%
54	18.327	2605	2608	2610	rBV3	22450	31504	0.16%	0.018%
55	18.392	2614	2619	2622	rVV	621098	800711	4.03%	0.451%
56	18.427	2622	2625	2631	rVB	521230	696599	3.51%	0.392%
57	18.515	2637	2640	2646	rBV	53543	97106	0.49%	0.055%
58	18.645	2658	2662	2665	rBV3	104344	156846	0.79%	0.088%
59	18.733	2673	2677	2680	rBV2	118372	175742	0.89%	0.099%
60	18.821	2686	2692	2697	rBV4	368830	955220	4.81%	0.538%
61	18.951	2709	2714	2723	rBV2	815626	2073154	10.44%	1.167%
62	19.074	2729	2735	2742	rVB	14108313	19637788	98.90%	11.058%
63	19.221	2758	2760	2764	rVB	375878	444532	2.24%	0.250%
64	19.315	2773	2776	2784	rVB	462632	688038	3.47%	0.387%
65	19.439	2787	2797	2805	rBV	11931479	19856272	100.00%	11.181%
66	19.509	2806	2809	2823	rVB2	395072	787634	3.97%	0.443%
67	19.621	2824	2828	2833	rVB	689284	963903	4.85%	0.543%
68	19.674	2835	2837	2843	rVB	228912	332301	1.67%	0.187%
69	19.762	2847	2852	2854	rBV2	387592	685887	3.45%	0.386%
70	19.903	2872	2876	2877	rBV2	380772	459381	2.31%	0.259%
71	20.092	2903	2908	2913	rBV2	695719	1190743	6.00%	0.670%

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72	20.133	2913	2915	2918	rVV2	165032	182287	0.92%	0.103%
73	20.233	2929	2932	2936	rVV2	347111	449456	2.26%	0.253%
74	20.280	2937	2940	2946	rVB4	414055	663751	3.34%	0.374%
75	20.686	3005	3009	3016	rVB	1121317	1503567	7.57%	0.847%
76	20.850	3031	3037	3041	rBV2	892929	1603968	8.08%	0.903%
77	20.892	3041	3044	3047	rVV	853931	951363	4.79%	0.536%
78	20.927	3047	3050	3056	rVV2	905392	1923518	9.69%	1.083%
79	20.986	3056	3060	3064	rVB2	964481	1347547	6.79%	0.759%
80	21.198	3091	3096	3101	rBV3	8670298	17073873	85.99%	9.614%
81	21.245	3101	3104	3111	rVB	5768120	7194341	36.23%	4.051%
82	21.362	3120	3124	3129	rBV	448256	607067	3.06%	0.342%
83	21.521	3145	3151	3156	rBV4	1700575	4339516	21.85%	2.443%
84	22.750	3354	3360	3365	rBV	5399231	12624313	63.58%	7.108%
85	22.915	3384	3388	3394	rVB	831218	1295412	6.52%	0.729%
86	23.209	3433	3438	3444	rBV	3000297	5205313	26.21%	2.931%
87	23.303	3449	3454	3463	rVB	4569513	8474925	42.68%	4.772%
88	23.397	3464	3470	3475	rVV	4284414	8031470	40.45%	4.522%
89	23.444	3475	3478	3487	rVB	1374178	2575182	12.97%	1.450%
90	25.591	3836	3843	3854	rVB2	2551286	7238685	36.46%	4.076%
91	26.262	3950	3957	3971	rVB	1886844	5580661	28.11%	3.142%

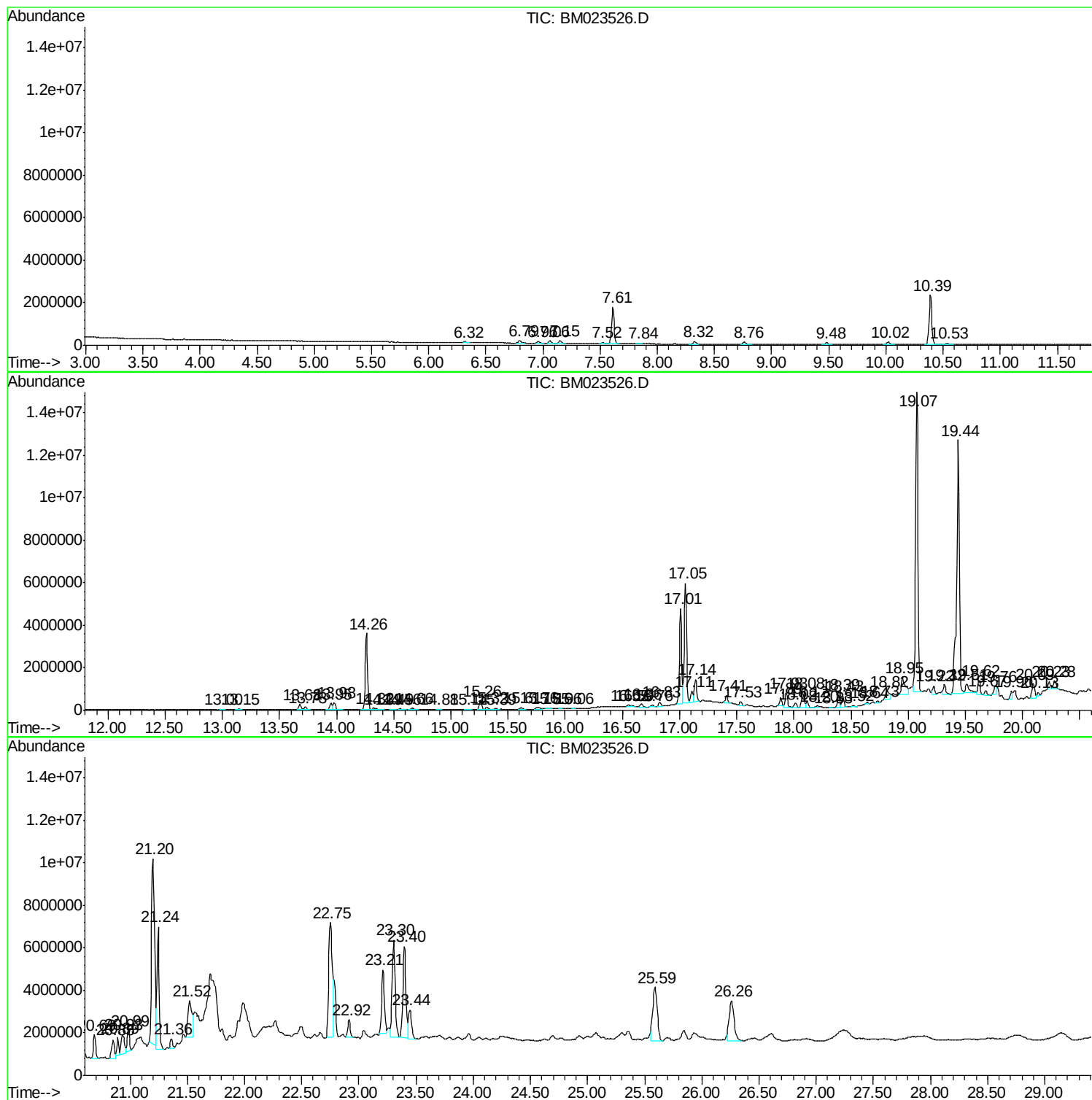
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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



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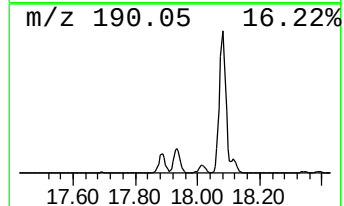
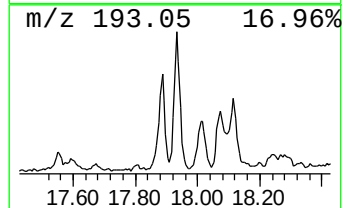
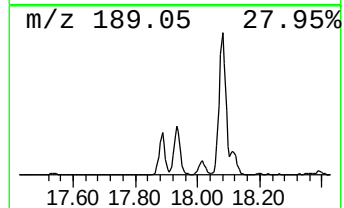
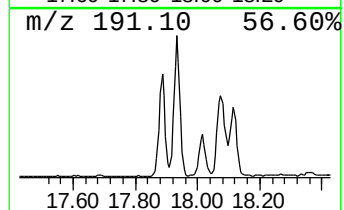
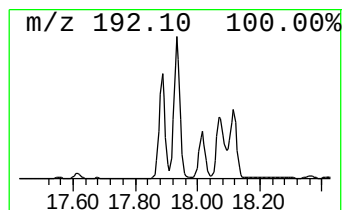
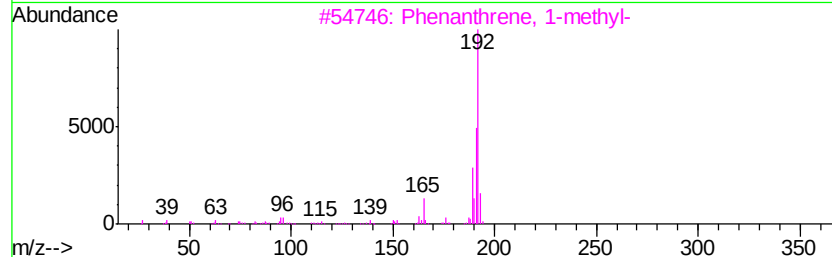
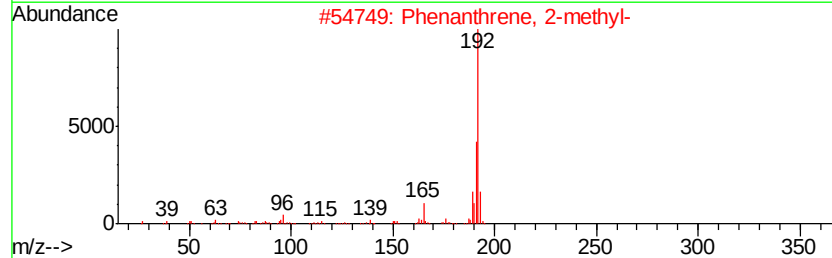
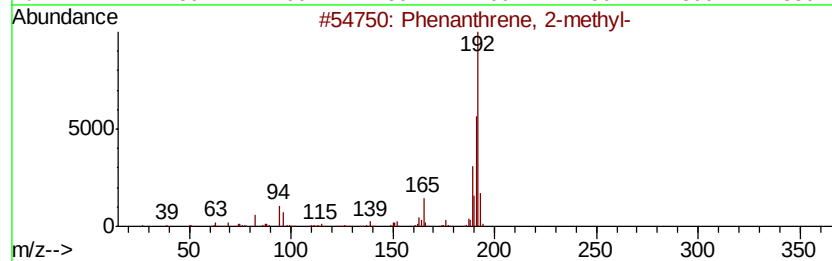
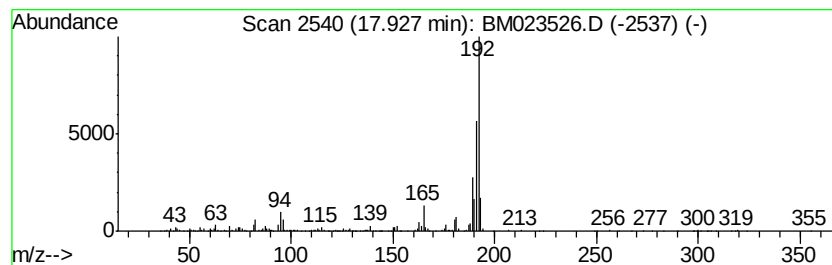
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.03 ng/ul	950524	Phenanthrene-d10	17.01

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



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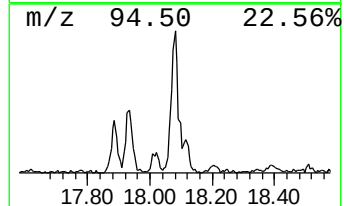
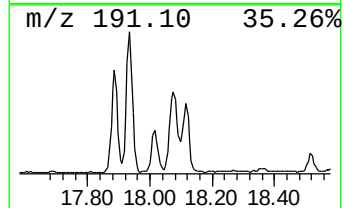
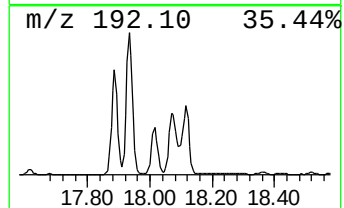
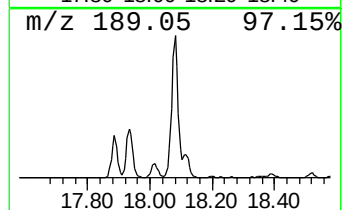
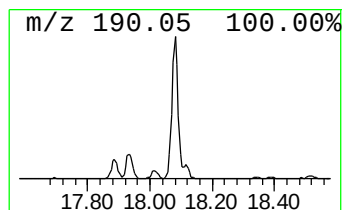
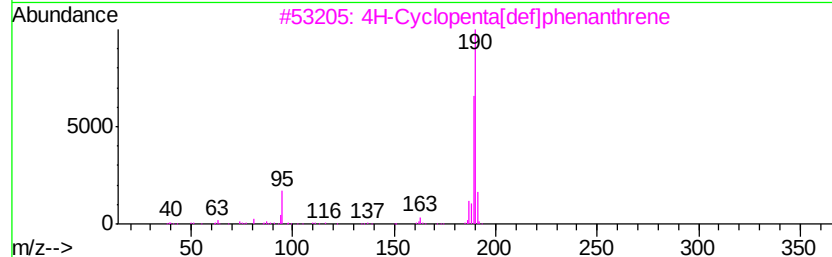
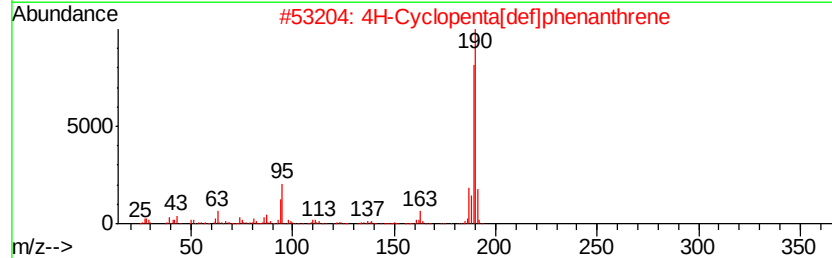
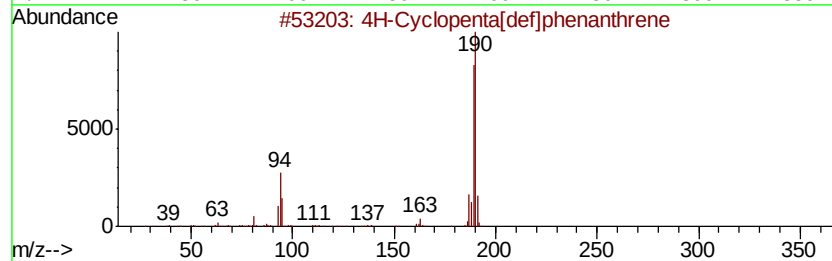
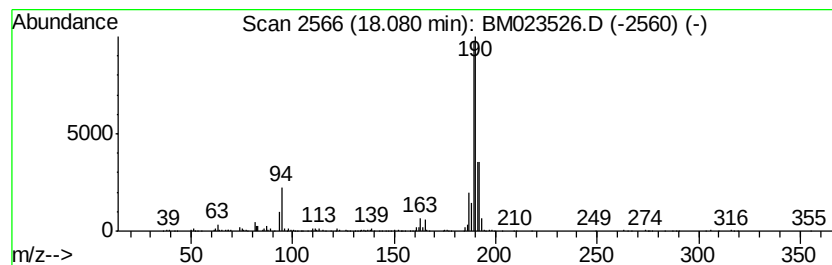
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.71 ng/ul	1162110	Phenanthrene-d10	17.01

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	64
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



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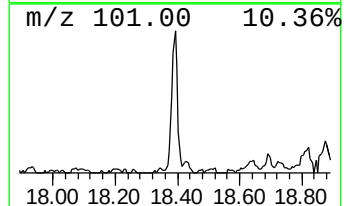
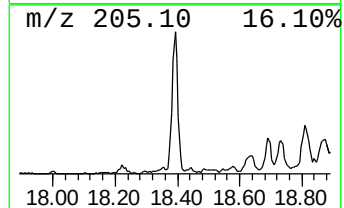
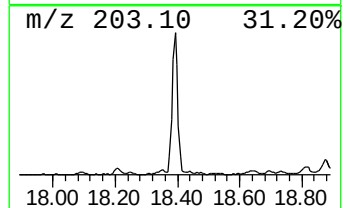
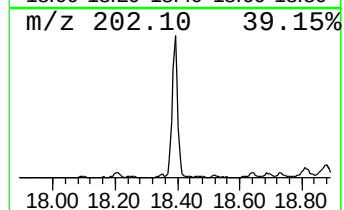
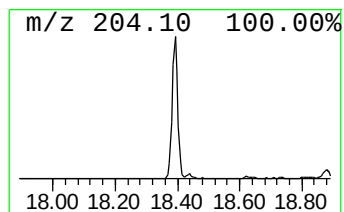
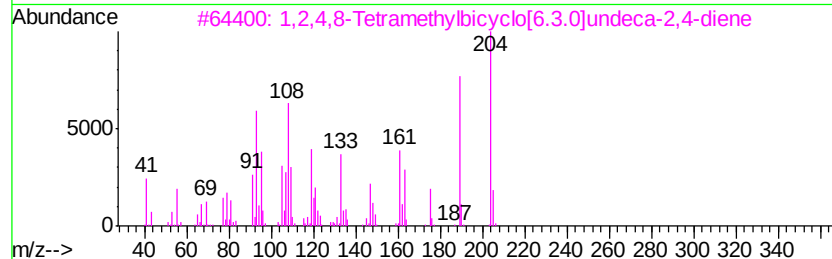
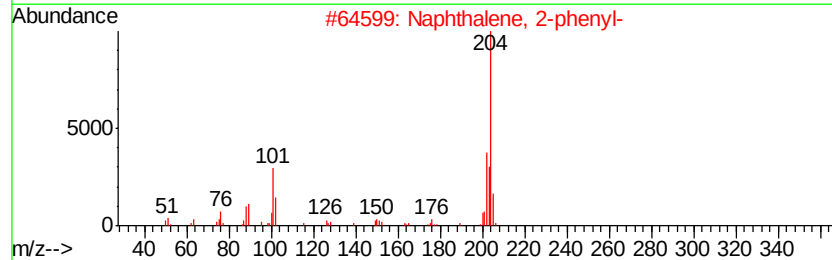
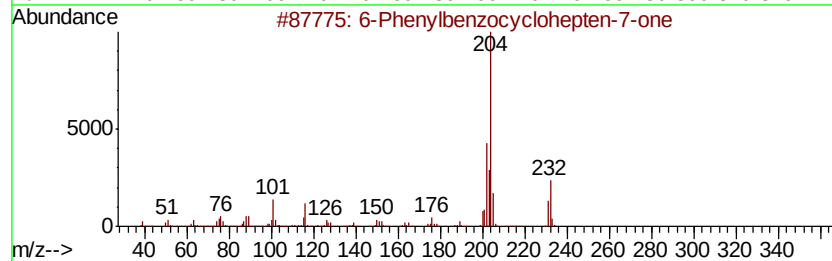
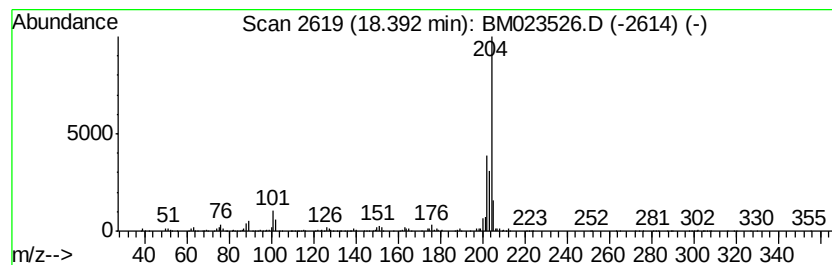
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.56 ng/ul	800711	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	83
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



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C0003DL

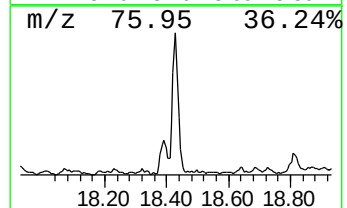
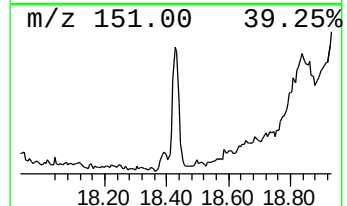
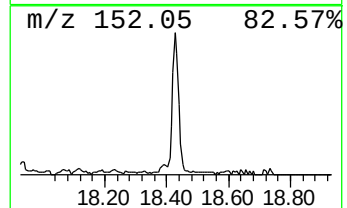
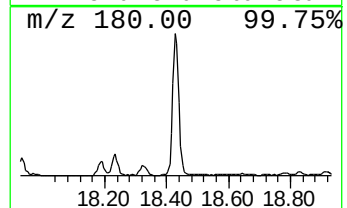
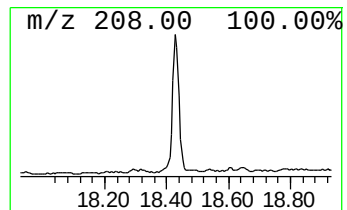
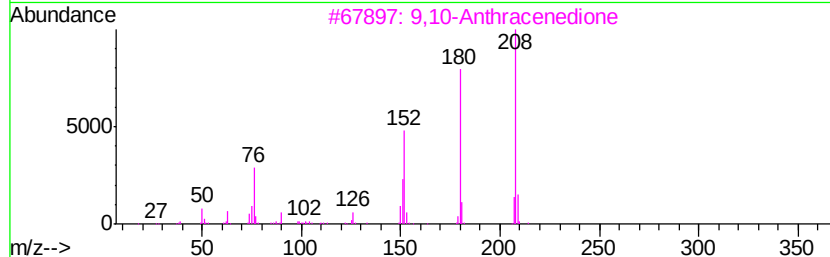
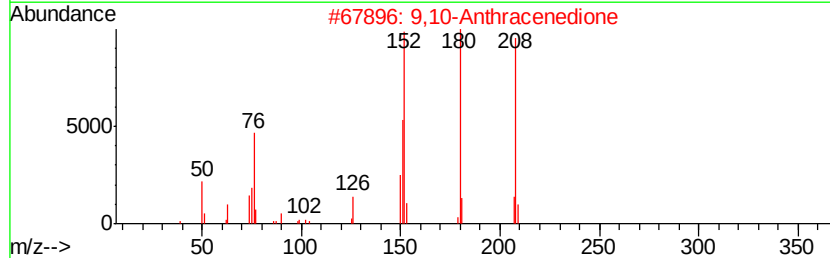
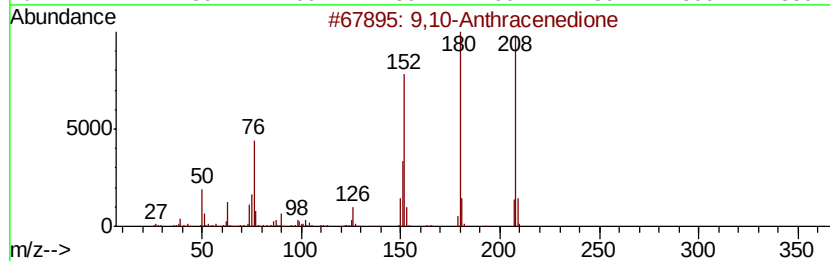
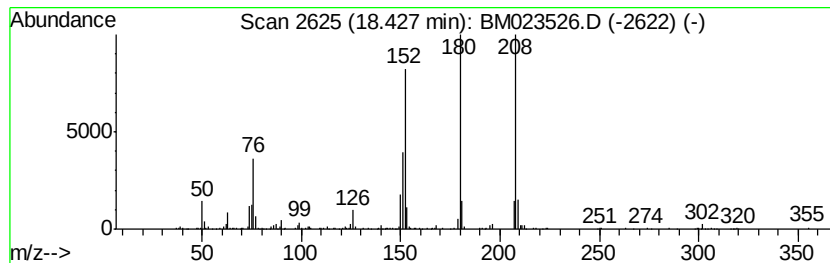
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.22 ng/ul	696599	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0003DL

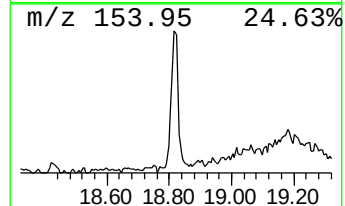
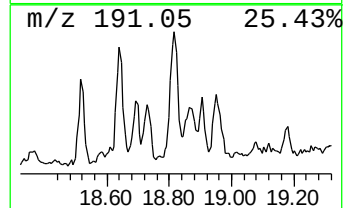
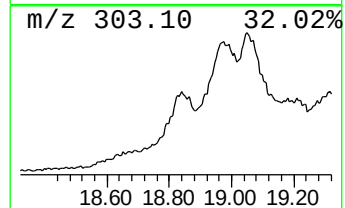
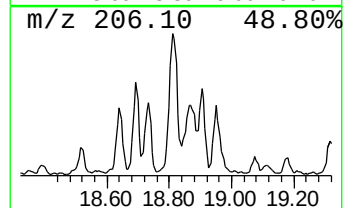
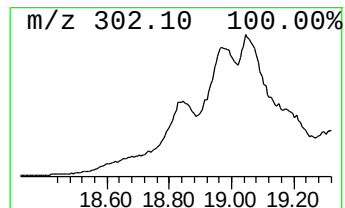
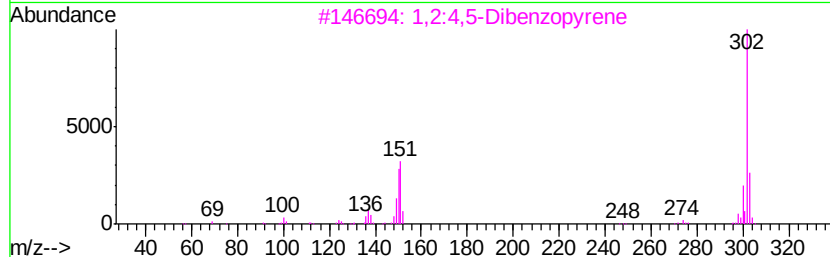
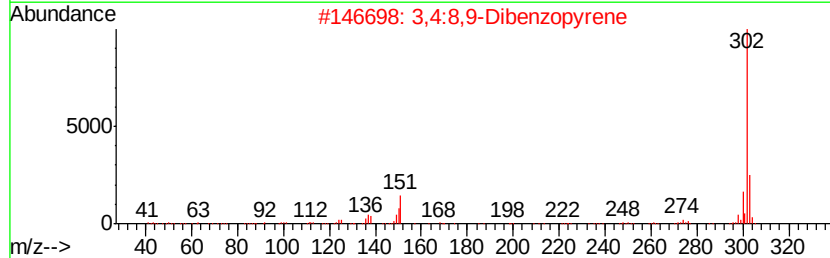
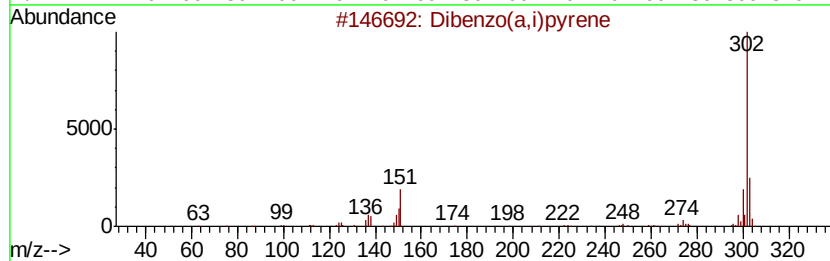
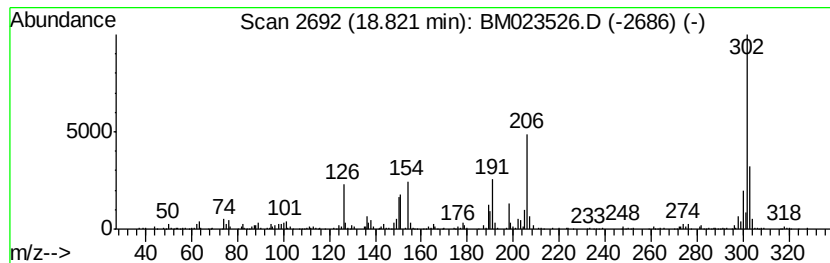
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenzo(a,i)pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.05 ng/ul	955220	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	86
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	84
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	83
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	83
5		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
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Sample : K5395-10DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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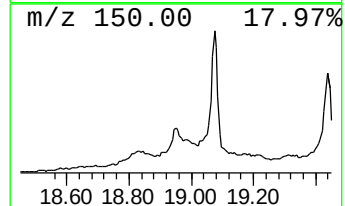
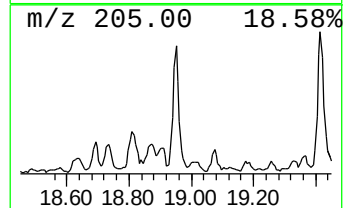
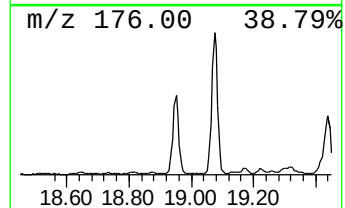
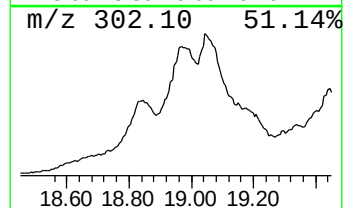
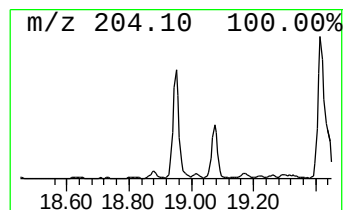
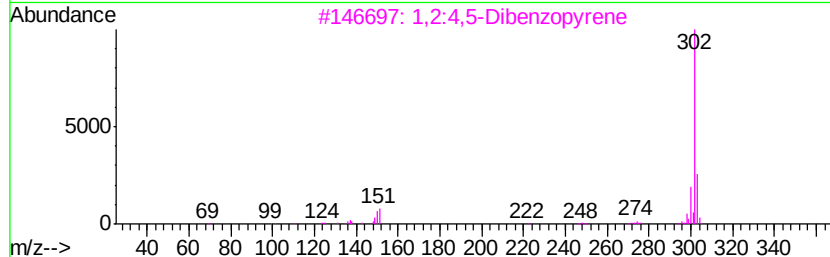
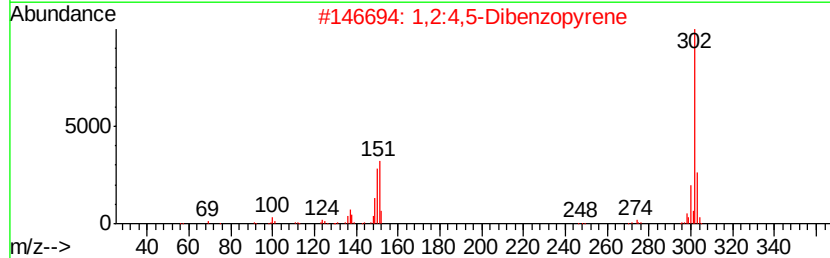
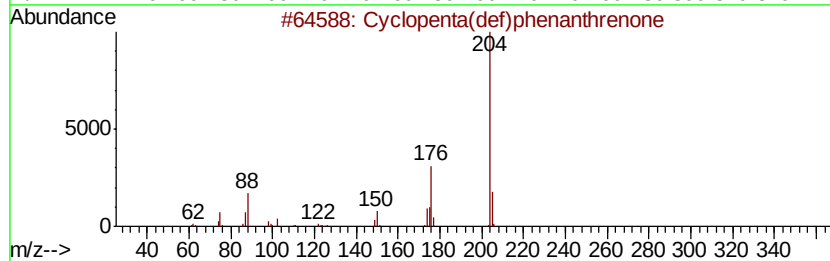
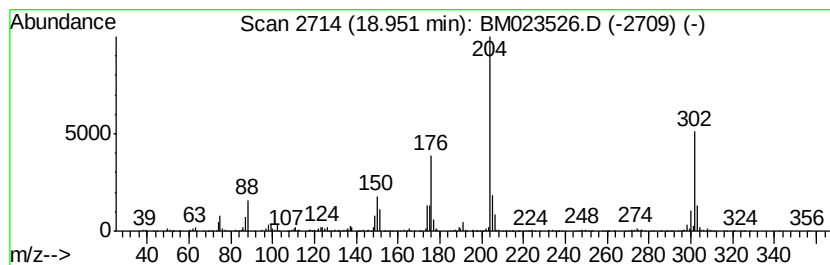
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	6.62 ng/ul	2073150	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	56
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	56
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
Operator : JU
Sample : K5395-10DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

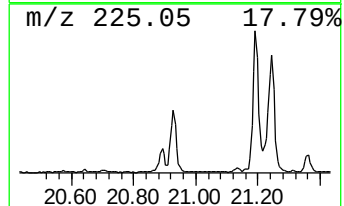
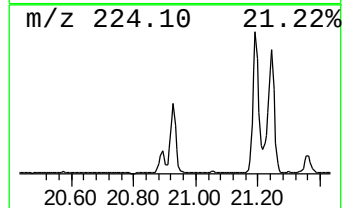
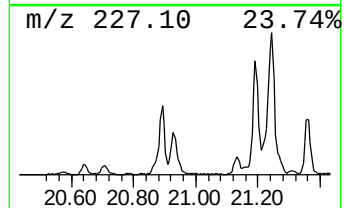
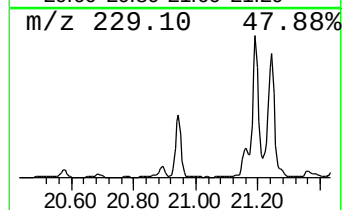
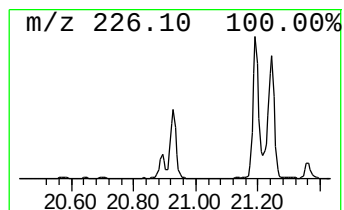
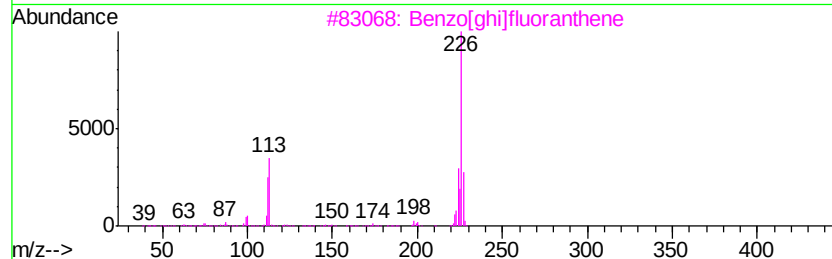
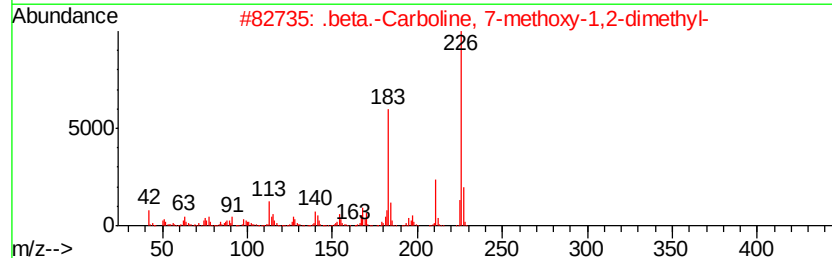
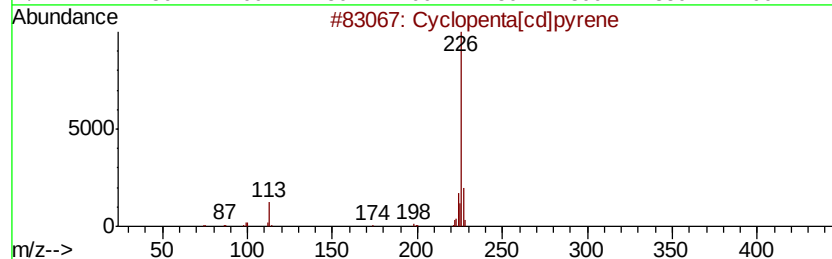
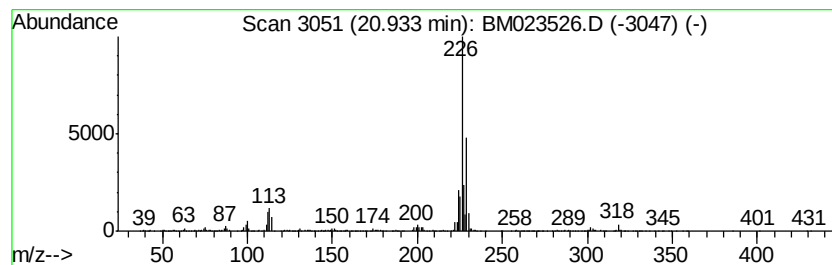
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.25 ng/ul	1923520	Chrysene-d12	21.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 93
2		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 58
3		Benzo[ghi]fluoranthene	226 C18H10	000203-12-3 50
4		4-Naphthalen-2-yl-thiazol-2-ylamine	226 C13H10N2S	1000300-53-4 40
5		1,8-Diazacyclotetradecane-2,7-dione	226 C12H22N2O2	004266-66-4 37



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
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Sample : K5395-10DL 10X
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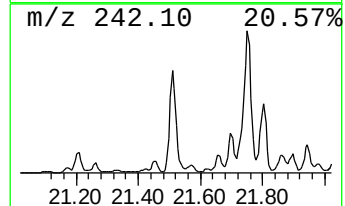
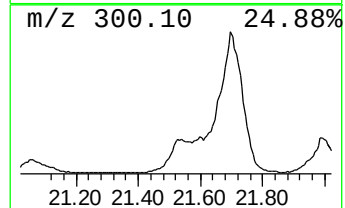
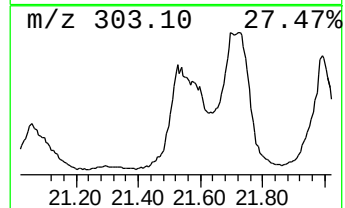
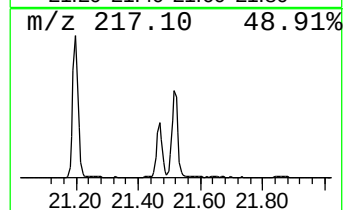
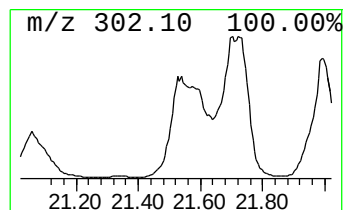
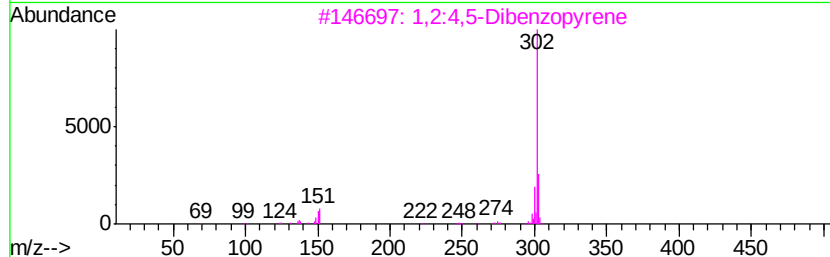
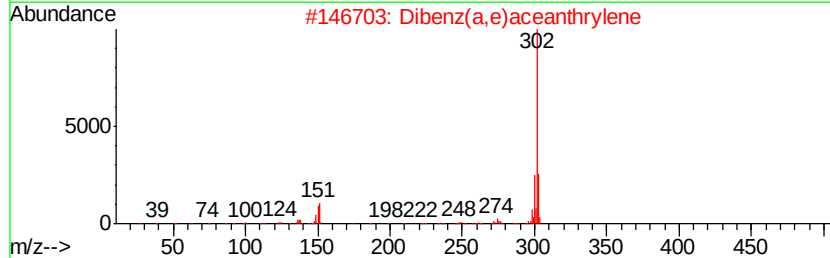
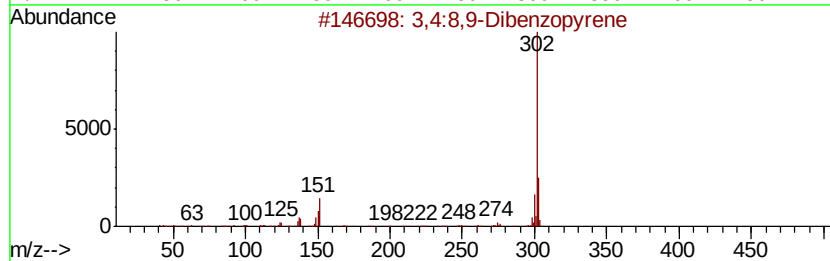
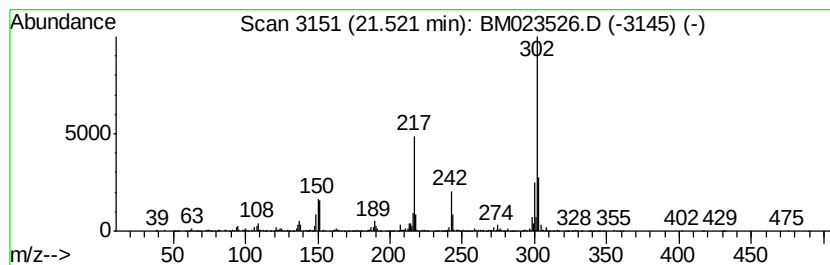
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 3,4:8,9-Dibenzopyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	5.08 ng/ul	4339520	Chrysene-d12	21.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4:8,9-Dibenzopyrene	302 C24H14	000189-64-0	96
2	Dibenz(a,e)aceanthrylene	302 C24H14	005385-75-1	96
3	1,2:4,5-Dibenzopyrene	302 C24H14	000192-65-4	95
4	1,2:4,5-Dibenzopyrene	302 C24H14	000192-65-4	86
5	1,2:4,5-Dibenzopyrene	302 C24H14	000192-65-4	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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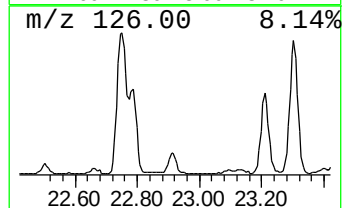
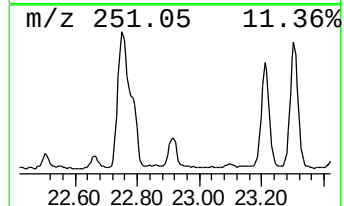
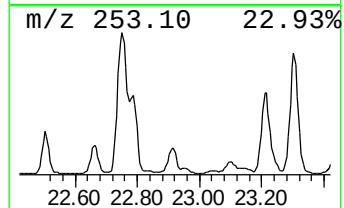
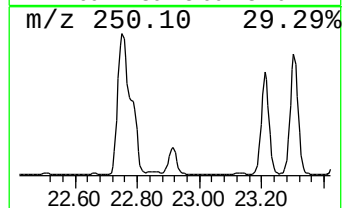
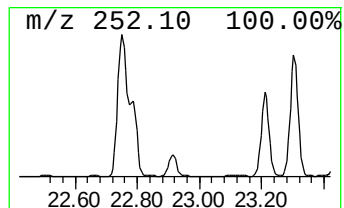
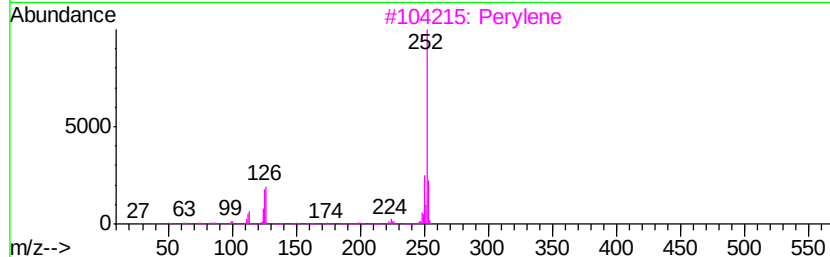
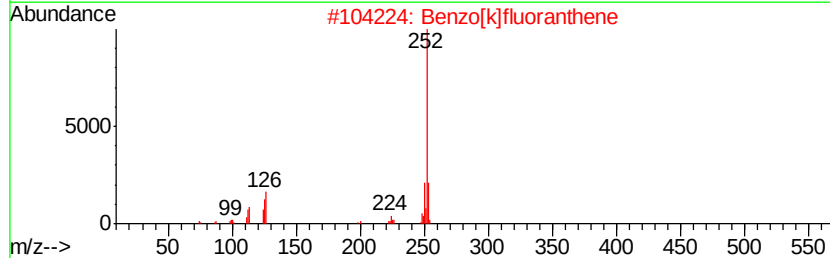
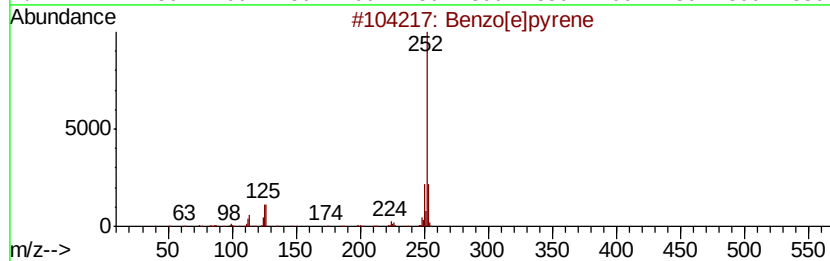
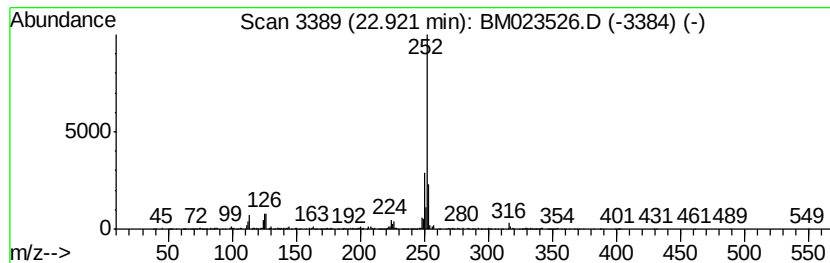
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	3.23 ng/ul	1295410	Perylene-d12	23.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Perylene	252	C20H12	000198-55-0	94
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM103119\
Data File : BM023526.D
Acq On : 31 Oct 2019 19:03
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Sample : K5395-10DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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
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4H-Cyclopenta[def...	18.08	3.7	ng/ul	1162110	4	17.01	6263980	20.0
6-Phenylbenzocycl...	18.39	2.6	ng/ul	800711	4	17.01	6263980	20.0
9,10-Anthracenedione	18.43	2.2	ng/ul	696599	4	17.01	6263980	20.0
Dibenzo(a,i)pyrene	18.82	3.0	ng/ul	955220	4	17.01	6263980	20.0
Cyclopenta(def)ph...	18.95	6.6	ng/ul	2073150	4	17.01	6263980	20.0
Cyclopenta[cd]pyrene	20.93	2.3	ng/ul	1923520	5	21.21	17073900	20.0
3,4:8,9-Dibenzopy...	21.52	5.1	ng/ul	4339520	5	21.21	17073900	20.0
Benzo[e]pyrene	22.92	3.2	ng/ul	1295410	6	23.40	8031470	20.0