

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110218\
 Data File : BM017506.D
 Acq On : 03 Nov 2018 00:50
 Operator : MJ/SJ
 Sample : J5635-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40J5

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-BM102418MA.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	3.210	35	38	48	rVB2	34028	63663	2.20%	0.144%
2	3.704	118	122	128	rBV4	27482	45268	1.56%	0.103%
3	3.816	138	141	147	rVB2	19300	32224	1.11%	0.073%
4	6.810	643	650	664	rBV2	588632	1327095	45.76%	3.010%
5	6.975	672	678	697	rVB	485747	783023	27.00%	1.776%
6	7.169	704	711	722	rBV	654422	1071400	36.94%	2.430%
7	7.257	722	726	731	rVB5	6025	11331	0.39%	0.026%
8	7.628	781	789	798	rBV	704257	1157766	39.92%	2.626%
9	7.704	798	802	805	rVV4	10149	16257	0.56%	0.037%
10	8.339	903	910	919	rBV	586090	1018343	35.11%	2.310%
11	8.780	978	985	995	rBV	576686	996207	34.35%	2.260%
12	9.186	1048	1054	1058	rVB2	13002	19240	0.66%	0.044%
13	9.498	1100	1107	1115	rBV	476659	809331	27.91%	1.836%
14	10.033	1191	1198	1220	rBV	589516	1196175	41.24%	2.713%
15	10.398	1253	1260	1268	rBV	921231	1550370	53.46%	3.517%
16	10.557	1280	1287	1307	rBV	332435	784000	27.03%	1.778%
17	11.845	1499	1506	1510	rBV6	7999	14036	0.48%	0.032%
18	12.010	1528	1534	1540	rVV4	7391	16571	0.57%	0.038%
19	13.092	1715	1718	1725	rVB5	12749	20974	0.72%	0.048%
20	13.463	1774	1781	1783	rBV8	5768	13234	0.46%	0.030%
21	13.692	1814	1820	1824	rVV	1013684	1439867	49.65%	3.266%
22	13.739	1824	1828	1837	rVV	344200	527582	18.19%	1.197%
23	13.963	1858	1866	1880	rBV	1279174	1973672	68.05%	4.477%
24	14.180	1898	1903	1907	rBV5	15099	20308	0.70%	0.046%
25	14.274	1912	1919	1927	rBV2	1080850	1714032	59.10%	3.888%
26	14.510	1950	1959	1977	rBV	148480	428017	14.76%	0.971%
27	14.680	1984	1988	1991	rBV2	11314	15864	0.55%	0.036%
28	14.721	1991	1995	2000	rBV5	14922	22833	0.79%	0.052%
29	15.109	2058	2061	2065	rBV2	22300	33039	1.14%	0.075%
30	15.274	2082	2089	2095	rBV	1494701	2256773	77.81%	5.119%
31	15.333	2095	2099	2106	rVV3	21523	40628	1.40%	0.092%
32	15.404	2106	2111	2124	rVV	285629	476240	16.42%	1.080%
33	15.515	2127	2130	2140	rVV4	20910	38691	1.33%	0.088%
34	15.627	2144	2149	2153	rVV4	12605	20391	0.70%	0.046%

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35	15.774	2169	2174	2181	rVV3	12218	25413	0.88%	0.058%
36	16.004	2209	2213	2220	rBV6	20038	38692	1.33%	0.088%
37	16.333	2267	2269	2274	rVV4	17068	23913	0.82%	0.054%
38	16.386	2274	2278	2283	rVB4	10622	14871	0.51%	0.034%
39	16.486	2291	2295	2301	rVB3	10112	18262	0.63%	0.041%
40	16.562	2304	2308	2312	rVV4	15920	22166	0.76%	0.050%
41	16.604	2312	2315	2318	rVV4	16970	21364	0.74%	0.048%
42	16.692	2325	2330	2335	rVB5	16934	26029	0.90%	0.059%
43	16.762	2335	2342	2346	rBV6	21338	39485	1.36%	0.090%
44	16.804	2346	2349	2352	rVV5	8260	14125	0.49%	0.032%
45	16.851	2352	2357	2360	rVB3	21626	31142	1.07%	0.071%
46	16.939	2368	2372	2376	rBV6	14193	21359	0.74%	0.048%
47	17.027	2379	2387	2391	rBV	1142923	1740236	60.00%	3.947%
48	17.068	2391	2394	2398	rVB	482050	622308	21.46%	1.412%
49	17.121	2398	2403	2409	rBV	1361769	2136932	73.68%	4.847%
50	17.215	2416	2419	2420	rBV3	16407	14952	0.52%	0.034%
51	17.439	2450	2457	2467	rBV3	31577	89711	3.09%	0.203%
52	17.551	2472	2476	2482	rVV4	26707	41647	1.44%	0.094%
53	17.609	2482	2486	2494	rVB4	19139	37105	1.28%	0.084%
54	17.815	2516	2521	2526	rBV8	19936	33186	1.14%	0.075%
55	17.874	2526	2531	2532	rBV5	39756	50467	1.74%	0.114%
56	17.903	2532	2536	2538	rBV	84221	107415	3.70%	0.244%
57	17.933	2538	2541	2542	rBV	141300	146126	5.04%	0.331%
58	18.009	2551	2554	2555	rBV2	12952	12388	0.43%	0.028%
59	18.033	2555	2558	2562	rVV	50228	64500	2.22%	0.146%
60	18.098	2564	2569	2573	rVV2	240480	411401	14.19%	0.933%
61	18.133	2573	2575	2583	rVB2	85842	110324	3.80%	0.250%
62	18.227	2587	2591	2595	rBV7	17786	28713	0.99%	0.065%
63	18.262	2595	2597	2601	rVB5	10525	11120	0.38%	0.025%
64	18.303	2601	2604	2608	rVB5	12623	15321	0.53%	0.035%
65	18.409	2617	2622	2626	rBV	99101	149428	5.15%	0.339%
66	18.456	2626	2630	2637	rVB2	44422	70956	2.45%	0.161%
67	18.656	2660	2664	2669	rBV4	22171	31452	1.08%	0.071%
68	18.703	2669	2672	2676	rBV2	38320	44151	1.52%	0.100%
69	18.745	2676	2679	2683	rVB	31555	45330	1.56%	0.103%
70	18.827	2683	2693	2697	rBV2	80166	178412	6.15%	0.405%
71	18.886	2697	2703	2706	rBV5	33719	64646	2.23%	0.147%

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72	18.968	2712	2717	2725	rVB5	66353	142362	4.91%	0.323%
73	19.092	2730	2738	2746	rVV	2127287	2900242	100.00%	6.579%
74	19.156	2746	2749	2752	rVV3	40142	52122	1.80%	0.118%
75	19.197	2752	2756	2757	rVV3	44830	60318	2.08%	0.137%
76	19.221	2757	2760	2768	rVV2	73865	160076	5.52%	0.363%
77	19.333	2768	2779	2785	rVV4	61368	199254	6.87%	0.452%
78	19.427	2789	2795	2797	rVV	1787492	2520235	86.90%	5.717%
79	19.456	2797	2800	2809	rVV	1754473	2313804	79.78%	5.248%
80	19.533	2809	2813	2818	rVB3	84868	139987	4.83%	0.318%
81	19.639	2827	2831	2835	rBV	99450	143347	4.94%	0.325%
82	19.703	2838	2842	2848	rVB	66665	104362	3.60%	0.237%
83	19.786	2850	2856	2857	rBV2	110979	199391	6.87%	0.452%
84	19.921	2874	2879	2881	rBV3	83962	156969	5.41%	0.356%
85	19.956	2881	2885	2891	rVB2	339064	465255	16.04%	1.055%
86	20.056	2898	2902	2906	rBV2	274029	341218	11.77%	0.774%
87	20.109	2906	2911	2917	rVV2	155261	275202	9.49%	0.624%
88	20.192	2923	2925	2929	rBV4	33270	41716	1.44%	0.095%
89	20.250	2932	2935	2939	rVV	64296	84451	2.91%	0.192%
90	20.297	2940	2943	2948	rVV2	67311	105685	3.64%	0.240%
91	20.709	3010	3013	3019	rVB2	56384	91304	3.15%	0.207%
92	20.868	3037	3040	3044	rBV	100652	144502	4.98%	0.328%
93	20.909	3044	3047	3050	rVV2	129311	148359	5.12%	0.337%
94	20.944	3050	3053	3059	rVB2	182606	274599	9.47%	0.623%
95	21.221	3094	3100	3104	rBV2	1286849	2527767	87.16%	5.734%
96	21.256	3104	3106	3115	rVB	694945	891248	30.73%	2.022%
97	21.380	3124	3127	3131	rBV2	121304	143279	4.94%	0.325%
98	22.762	3358	3362	3368	rBV2	583698	1232533	42.50%	2.796%
99	23.280	3446	3450	3454	rBV	577991	919377	31.70%	2.085%
100	23.421	3469	3474	3479	rBV	478176	797946	27.51%	1.810%

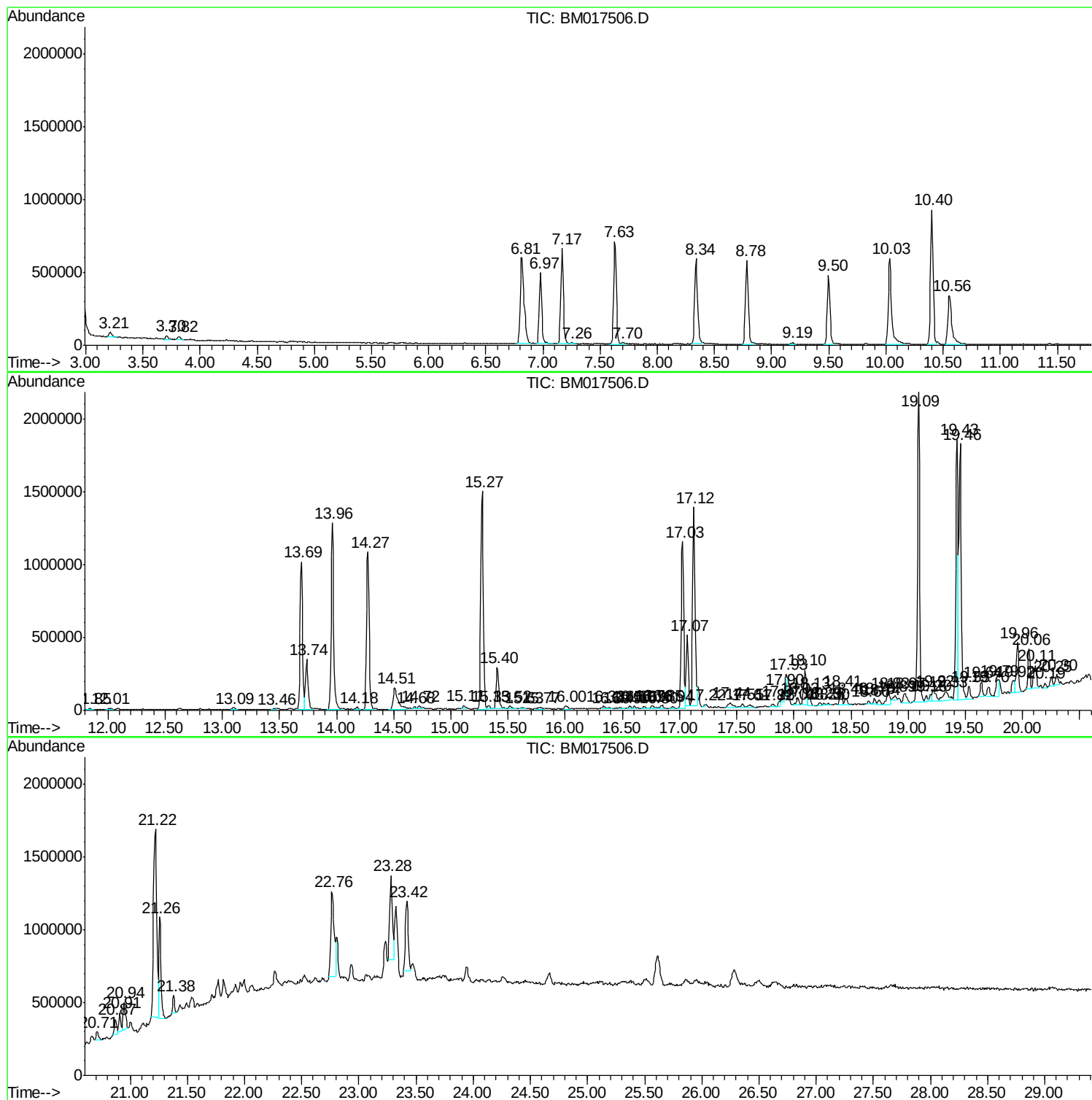
Sum of corrected areas: 44086403

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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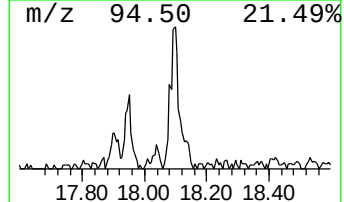
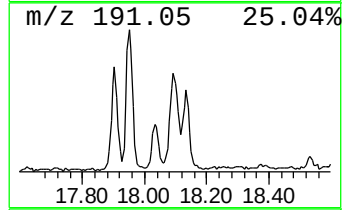
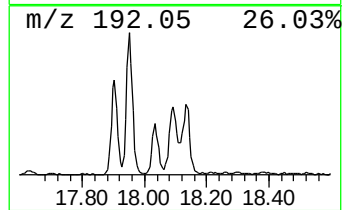
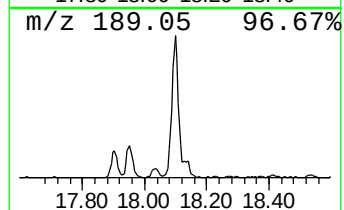
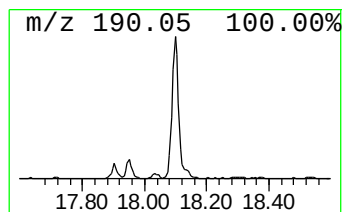
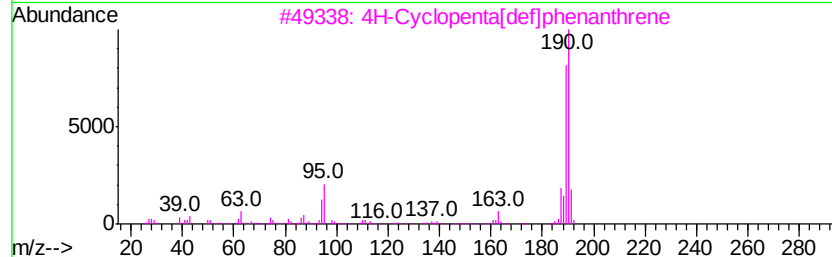
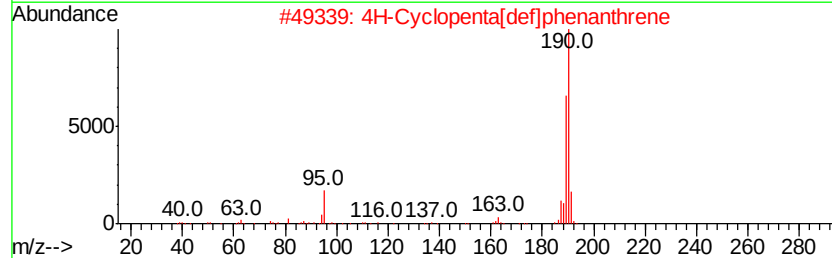
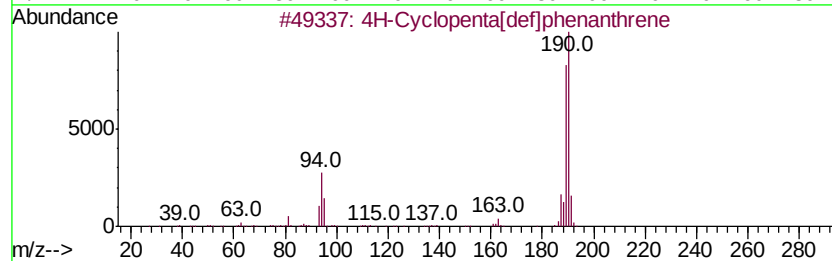
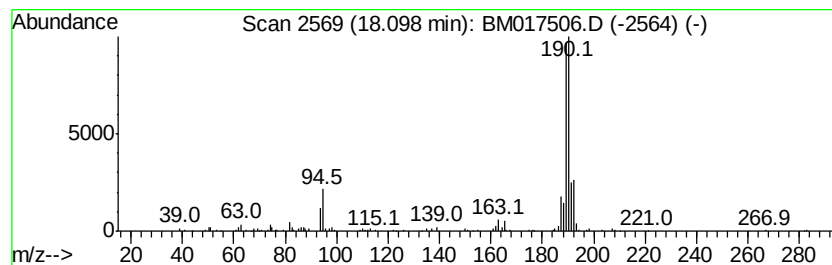
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.10	4.73 ng/ul	411401	Phenanthrene-d10		17.03		
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	81
3			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
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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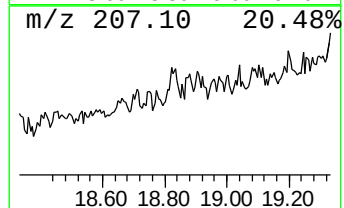
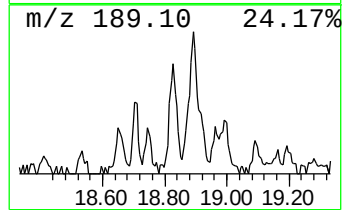
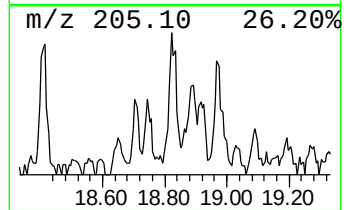
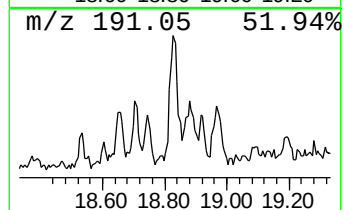
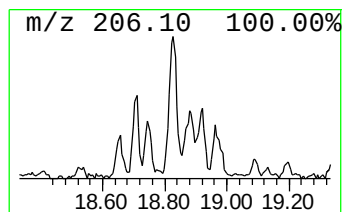
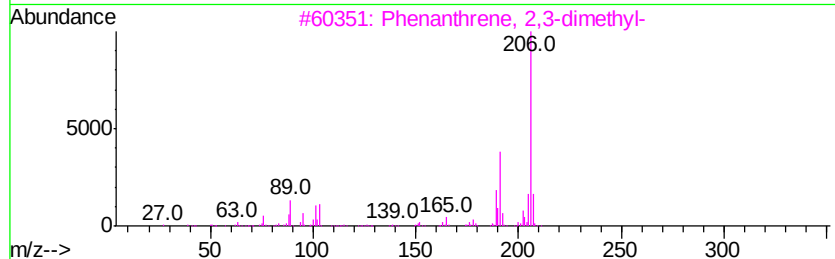
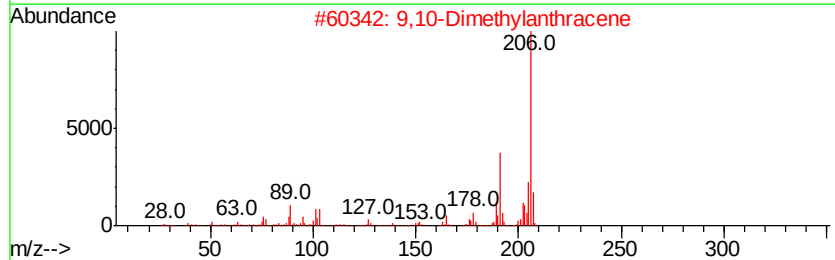
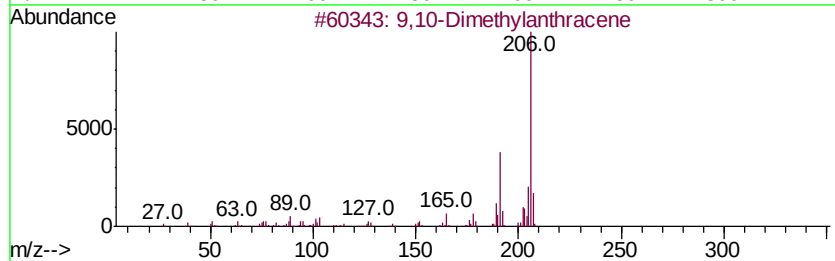
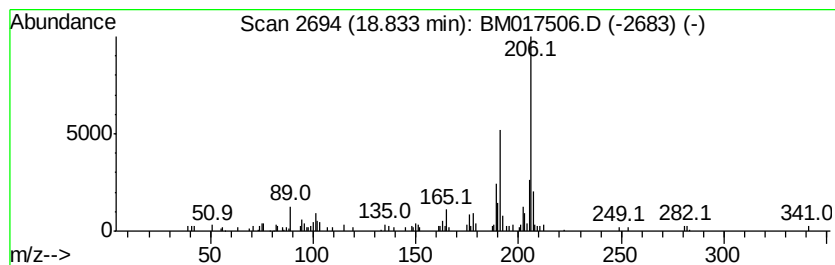
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 9,10-Dimethylantracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.05 ng/ul	178412	Phenanthrene-d10	17.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



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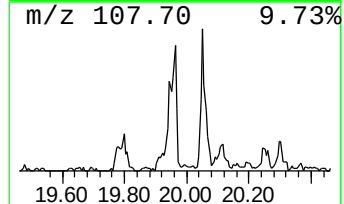
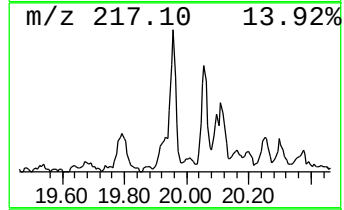
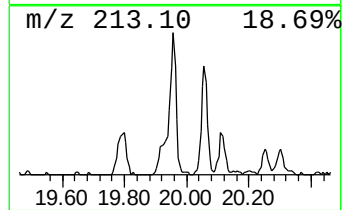
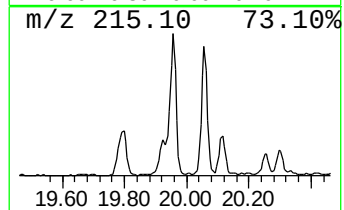
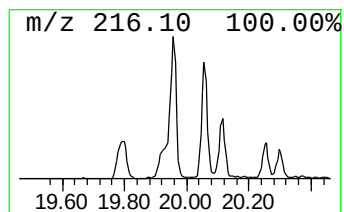
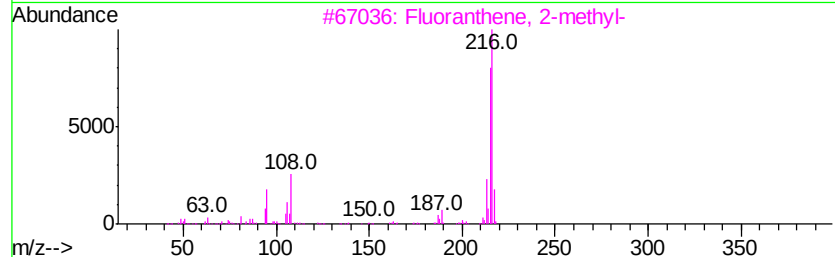
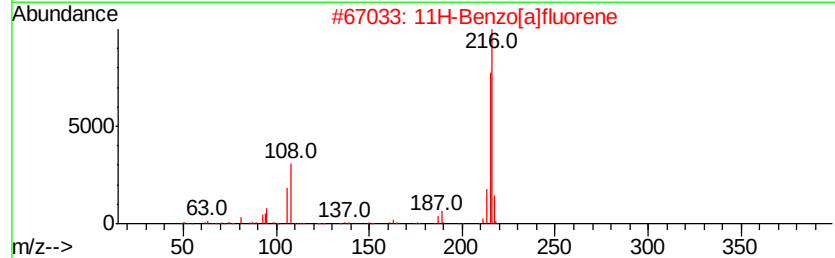
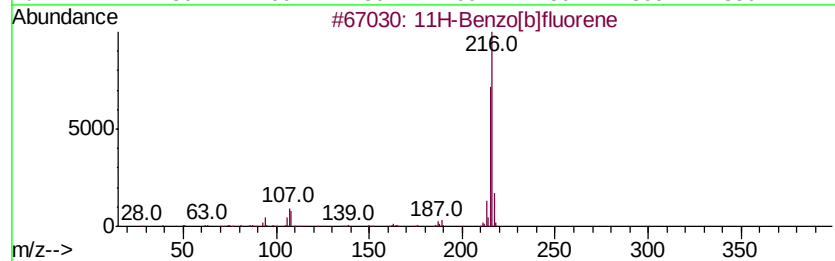
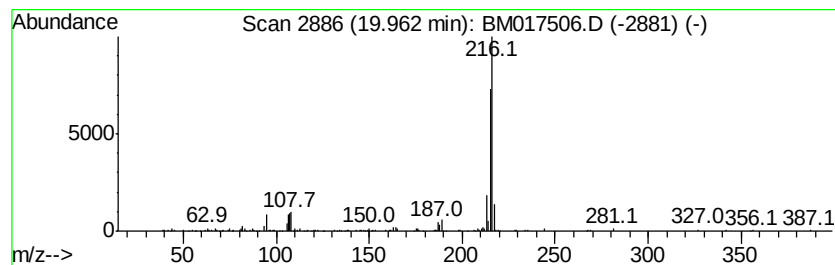
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.68 ng/ul	465255	Chrysene-d12	21.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110218\
Data File : BM017506.D
Acq On : 03 Nov 2018 00:50
Operator : MJ/SJ
Sample : J5635-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40J5

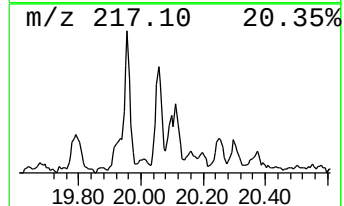
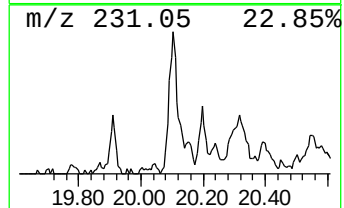
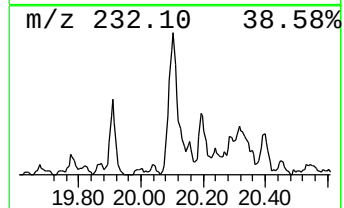
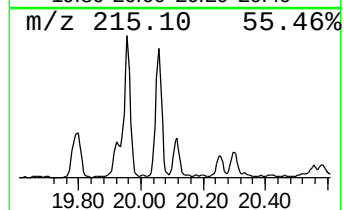
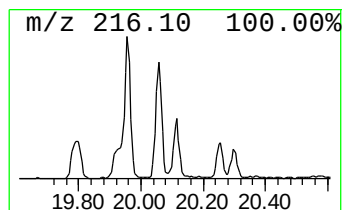
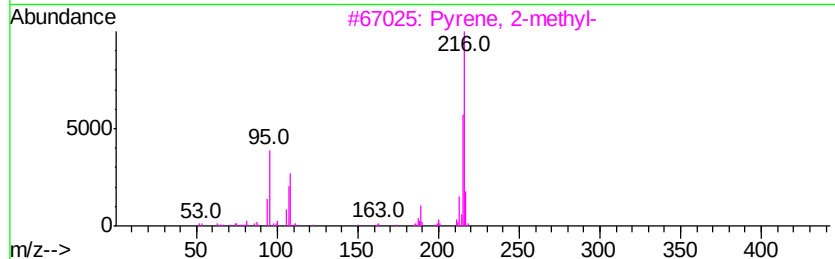
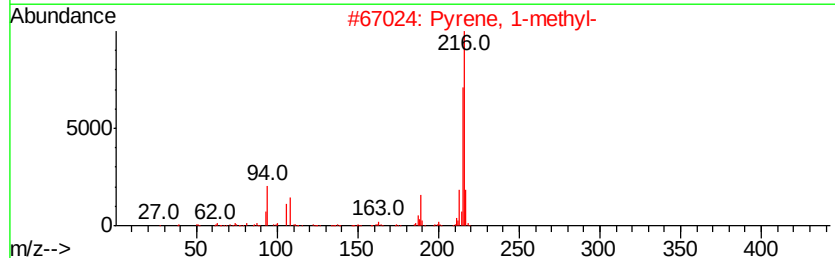
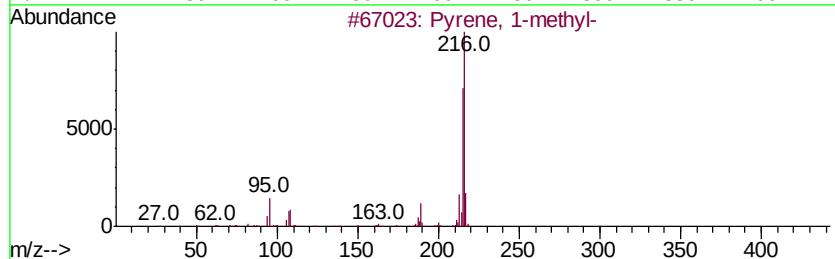
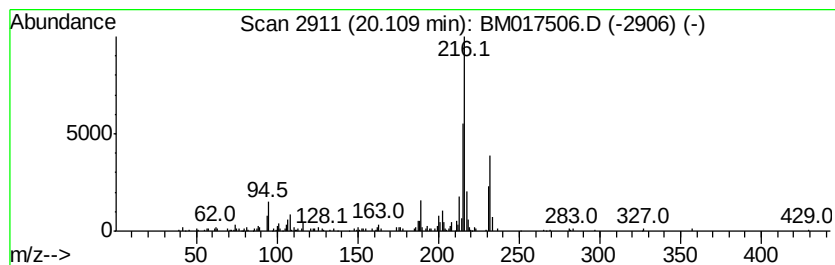
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.18 ng/ul	275202	Chrysene-d12	21.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-		216	C17H12	002381-21-7	78
3	Pyrene, 2-methyl-		216	C17H12	003442-78-2	64
4	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	60
5	Pyrene, 1-methyl-		216	C17H12	002381-21-7	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110218\
Data File : BM017506.D
Acq On : 03 Nov 2018 00:50
Operator : MJ/SJ
Sample : J5635-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

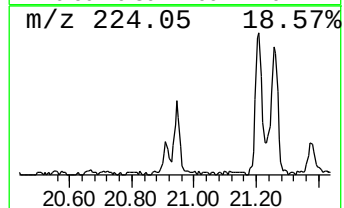
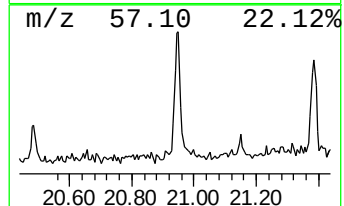
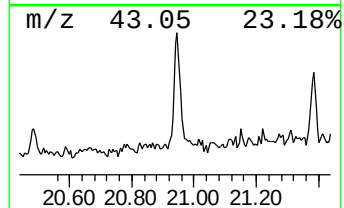
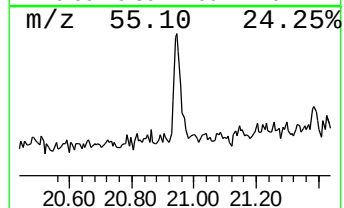
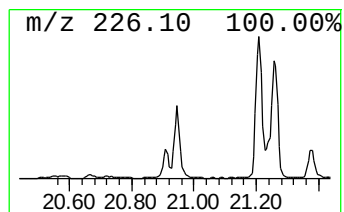
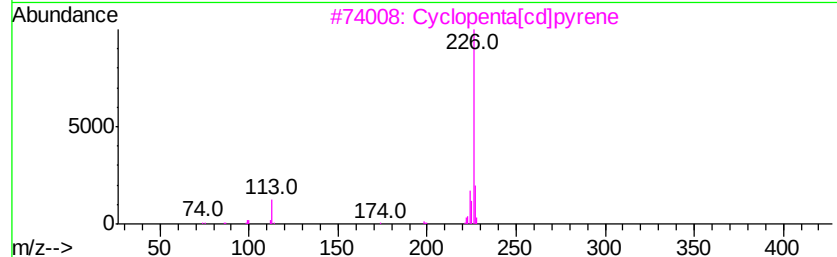
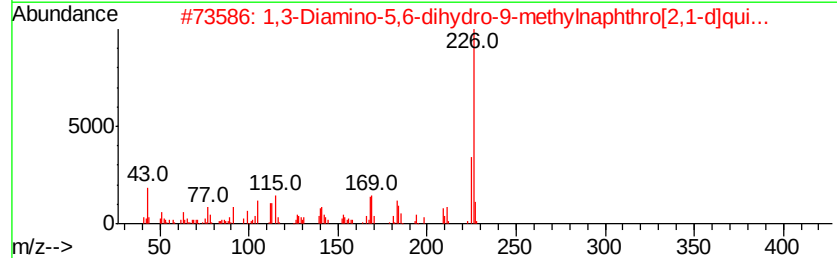
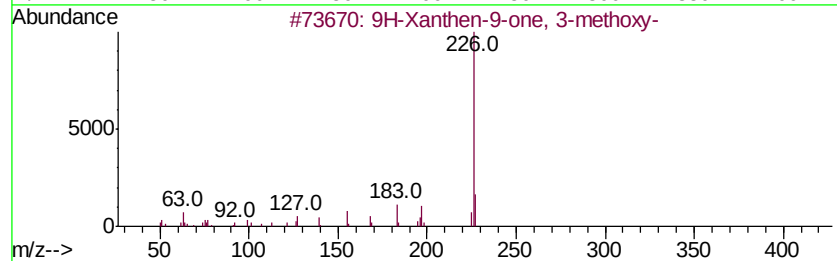
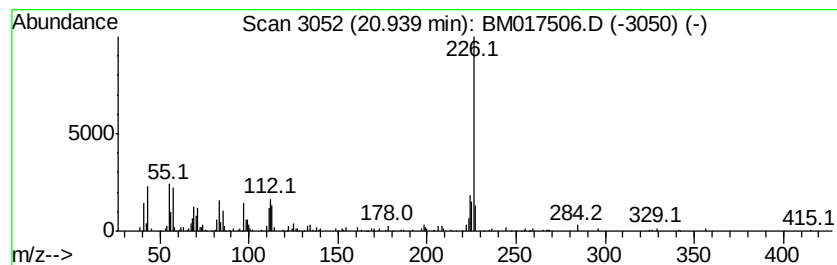
Instrument :
BNA_M
ClientSampleId :
A40J5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Xanthen-9-one, 3-methoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.17 ng/ul	274599	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9H-Xanthen-9-one, 3-methoxy-	226 C14H10O3	003722-52-9	50
2	1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8	50
3	Cyclopenta[cd]pyrene	226 C18H10	027208-37-3	50
4	Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3	43
5	Anthracene, 1,8-diethynyl-	226 C18H10	078053-58-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110218\
Data File : BM017506.D
Acq On : 03 Nov 2018 00:50
Operator : MJ/SJ
Sample : J5635-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40J5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4H-Cyclopenta[def...	18.10	4.7	ng/ul	411401	4	17.03	1740240	20.0
9,10-Dimethylanthe...	18.83	2.0	ng/ul	178412	4	17.03	1740240	20.0
11H-Benzo[b]fluorene	19.96	3.7	ng/ul	465255	5	21.22	2527770	20.0
Pyrene, 1-methyl-	20.11	2.2	ng/ul	275202	5	21.22	2527770	20.0
9H-Xanthen-9-one,...	20.94	2.2	ng/ul	274599	5	21.22	2527770	20.0