

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023106.D
 Acq On : 10 Oct 2019 05:54
 Operator : JU
 Sample : K5177-22
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPC9

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-BM092719MA.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	3.252	42	45	54	rVB	22461	36963	0.97%	0.076%
2	3.669	113	116	124	rVB2	7919	12743	0.33%	0.026%
3	3.764	129	132	141	rVV	30642	43727	1.15%	0.089%
4	3.893	149	154	160	rVB	13461	19989	0.52%	0.041%
5	3.981	166	169	174	rVB	8005	9571	0.25%	0.020%
6	4.899	319	325	333	rBV	15195	26732	0.70%	0.055%
7	6.940	665	672	687	rBV2	378297	697319	18.27%	1.425%
8	7.105	694	700	712	rVV	302559	489464	12.82%	1.000%
9	7.305	727	734	745	rVB	428354	683141	17.90%	1.396%
10	7.769	806	813	821	rBV	638185	985256	25.81%	2.014%
11	8.475	925	933	942	rBV	300227	503168	13.18%	1.028%
12	8.593	949	953	961	rVB3	8272	15221	0.40%	0.031%
13	8.922	1002	1009	1018	rBV	380554	623680	16.34%	1.275%
14	9.363	1079	1084	1089	rVB	6351	9589	0.25%	0.020%
15	9.640	1125	1131	1144	rBV	298835	498786	13.07%	1.019%
16	10.181	1216	1223	1240	rVB	467615	794135	20.80%	1.623%
17	10.557	1278	1287	1294	rBV	836907	1369901	35.89%	2.800%
18	10.693	1302	1310	1323	rBV	324686	584369	15.31%	1.194%
19	12.151	1553	1558	1562	rVB	6004	9302	0.24%	0.019%
20	13.816	1835	1841	1845	rVV	790282	1094343	28.67%	2.237%
21	13.863	1845	1849	1855	rVB	279939	376226	9.86%	0.769%
22	14.098	1879	1889	1902	rBV	969679	1421398	37.24%	2.905%
23	14.404	1934	1941	1948	rBV	1156110	1698550	44.50%	3.471%
24	14.469	1948	1952	1961	rVB	58013	81431	2.13%	0.166%
25	14.598	1968	1974	1988	rBV	201326	331586	8.69%	0.678%
26	14.822	2005	2012	2018	rVV2	50728	94085	2.46%	0.192%
27	15.398	2103	2110	2116	rBV	1213913	1710832	44.82%	3.497%
28	15.451	2116	2119	2125	rVB	66647	87937	2.30%	0.180%
29	15.516	2125	2130	2138	rBV	205525	279427	7.32%	0.571%
30	15.639	2143	2151	2154	rBV2	9388	17304	0.45%	0.035%
31	15.745	2165	2169	2173	rVB	12809	15209	0.40%	0.031%
32	15.892	2189	2194	2201	rBV2	13607	23391	0.61%	0.048%
33	16.127	2230	2234	2237	rBV	7790	10860	0.28%	0.022%
34	16.457	2288	2290	2295	rVV4	7873	10080	0.26%	0.021%

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35	16.551	2303	2306	2311	rVB3	9030	10071	0.26%	0.021%
36	16.692	2326	2330	2334	rVV2	12765	18896	0.50%	0.039%
37	16.804	2344	2349	2355	rVB	19649	31217	0.82%	0.064%
38	16.880	2358	2362	2364	rBV4	6844	10169	0.27%	0.021%
39	16.963	2372	2376	2381	rVB	56779	75024	1.97%	0.153%
40	17.145	2398	2407	2411	rBV2	1352139	1931131	50.59%	3.947%
41	17.186	2411	2414	2419	rVV	1302204	1737984	45.53%	3.552%
42	17.245	2419	2424	2428	rVV	1247830	1804648	47.28%	3.688%
43	17.274	2428	2429	2435	rVV	197991	206436	5.41%	0.422%
44	17.339	2435	2440	2446	rVB2	19815	30502	0.80%	0.062%
45	17.545	2467	2475	2481	rBV	79298	121635	3.19%	0.249%
46	17.669	2489	2496	2503	rBV3	19393	31718	0.83%	0.065%
47	17.727	2503	2506	2509	rBV3	7057	9975	0.26%	0.020%
48	17.863	2525	2529	2534	rBV3	6048	10003	0.26%	0.020%
49	17.916	2534	2538	2546	rBV7	17536	34844	0.91%	0.071%
50	18.021	2550	2556	2557	rBV	74102	96108	2.52%	0.196%
51	18.039	2557	2559	2561	rVV	81719	103074	2.70%	0.211%
52	18.069	2561	2564	2569	rVB	110102	148286	3.88%	0.303%
53	18.151	2574	2578	2583	rVV	18431	28973	0.76%	0.059%
54	18.216	2583	2589	2593	rVV3	179489	286718	7.51%	0.586%
55	18.251	2593	2595	2600	rVB	45513	50795	1.33%	0.104%
56	18.363	2612	2614	2619	rVB5	10244	14583	0.38%	0.030%
57	18.521	2637	2641	2644	rBV	95715	125167	3.28%	0.256%
58	18.563	2644	2648	2654	rVB	122840	163356	4.28%	0.334%
59	18.768	2679	2683	2686	rBV3	17071	19636	0.51%	0.040%
60	18.821	2688	2692	2695	rVV	12975	15893	0.42%	0.032%
61	18.857	2695	2698	2702	rVB2	11793	15107	0.40%	0.031%
62	18.939	2708	2712	2717	rBV2	38703	57087	1.50%	0.117%
63	19.004	2717	2723	2726	rBV6	14509	32004	0.84%	0.065%
64	19.080	2732	2736	2743	rVB	48067	67966	1.78%	0.139%
65	19.204	2748	2757	2765	rBV	2656873	3453566	90.48%	7.058%
66	19.274	2765	2769	2770	rBV2	11662	16156	0.42%	0.033%
67	19.304	2770	2774	2777	rBV	23331	30943	0.81%	0.063%
68	19.404	2786	2791	2793	rBV4	18991	34836	0.91%	0.071%
69	19.445	2795	2798	2802	rVB	63262	90284	2.37%	0.185%
70	19.539	2808	2814	2816	rBV2	1941950	2734300	71.63%	5.588%
71	19.568	2816	2819	2827	rVV	2020059	2591011	67.88%	5.296%

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72	19.639	2827	2831	2836	rVB2	57470	84626	2.22%	0.173%
73	19.745	2845	2849	2854	rBV	83246	107499	2.82%	0.220%
74	19.804	2856	2859	2865	rVB	30532	42958	1.13%	0.088%
75	19.892	2868	2874	2875	rBV	68511	113891	2.98%	0.233%
76	19.945	2880	2883	2888	rVB	34863	44295	1.16%	0.091%
77	20.027	2893	2897	2899	rBV3	48729	73216	1.92%	0.150%
78	20.063	2899	2903	2907	rVB	210628	266824	6.99%	0.545%
79	20.163	2916	2920	2924	rBV	172770	213717	5.60%	0.437%
80	20.221	2924	2930	2933	rVV2	96191	159159	4.17%	0.325%
81	20.257	2933	2936	2940	rVB	52042	66538	1.74%	0.136%
82	20.363	2951	2954	2957	rBV	37671	40324	1.06%	0.082%
83	20.404	2958	2961	2966	rVV2	46082	63680	1.67%	0.130%
84	20.810	3027	3030	3036	rVB	84939	115415	3.02%	0.236%
85	20.974	3054	3058	3061	rBV	160693	200304	5.25%	0.409%
86	21.015	3061	3065	3067	rVV	129627	149401	3.91%	0.305%
87	21.051	3067	3071	3076	rVV3	307237	499864	13.10%	1.022%
88	21.104	3076	3080	3088	rVB2	133390	203825	5.34%	0.417%
89	21.327	3111	3118	3122	rBV2	2003633	3817111	100.00%	7.801%
90	21.362	3122	3124	3134	rVB	1025886	1145032	30.00%	2.340%
91	21.480	3141	3144	3149	rBV2	246394	313180	8.20%	0.640%
92	21.639	3168	3171	3176	rVB2	124025	166043	4.35%	0.339%
93	21.921	3216	3219	3227	rVB4	167504	278554	7.30%	0.569%
94	22.515	3317	3320	3328	rVB	176851	256978	6.73%	0.525%
95	22.904	3380	3386	3390	rBV	974422	2013254	52.74%	4.115%
96	23.380	3463	3467	3471	rBV	404376	702107	18.39%	1.435%
97	23.433	3471	3476	3480	rVV	1244963	2215310	58.04%	4.528%
98	23.480	3480	3484	3491	rVB	770365	1402262	36.74%	2.866%
99	23.574	3494	3500	3506	rBV	1191942	2307357	60.45%	4.716%
100	25.845	3881	3886	3897	rVB2	363214	959901	25.15%	1.962%

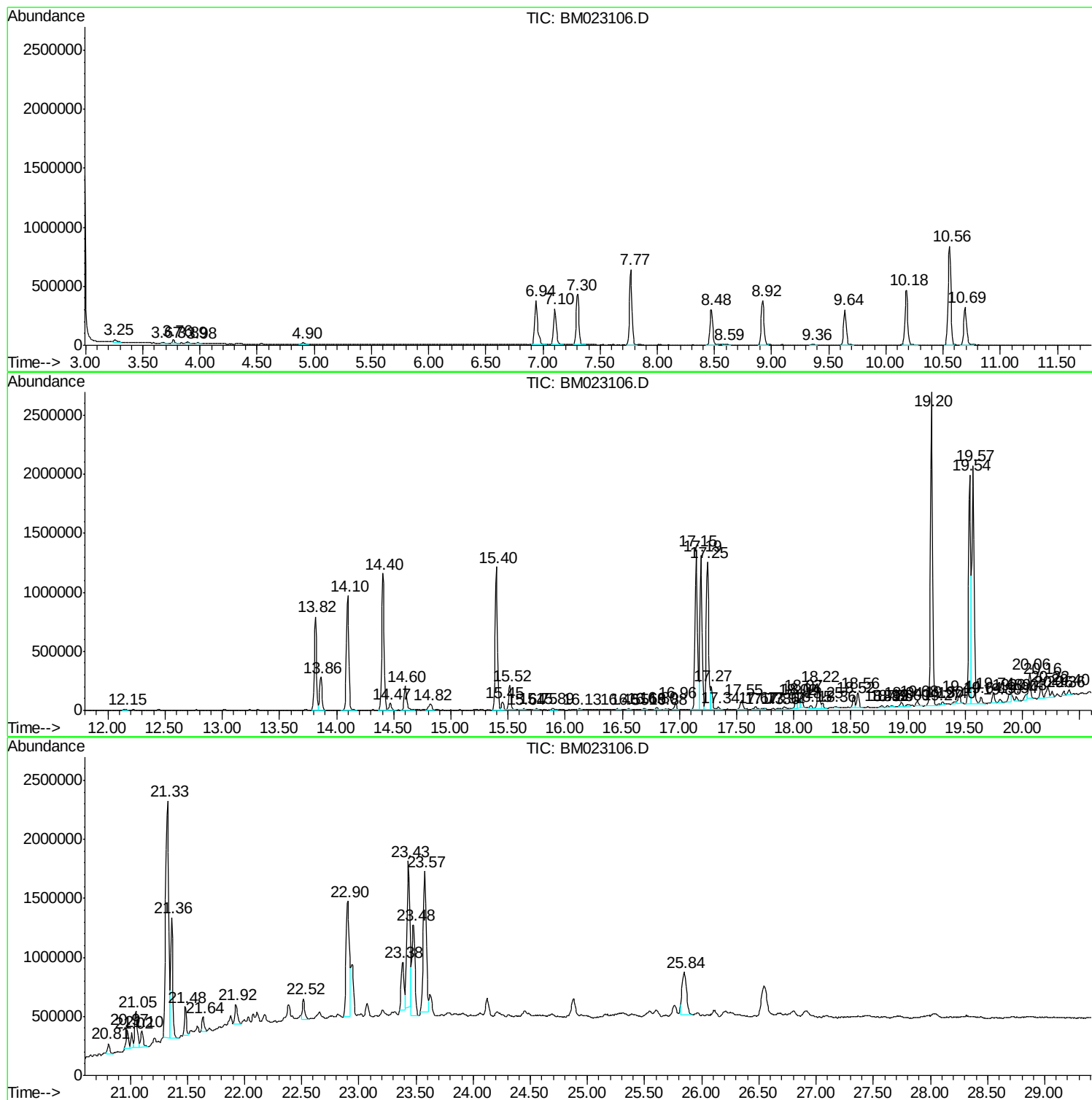
Sum of corrected areas: 48928442

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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



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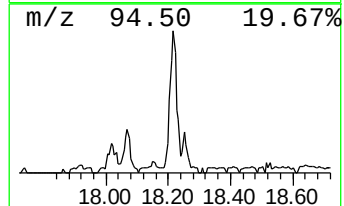
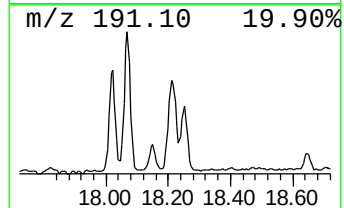
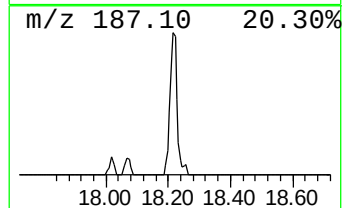
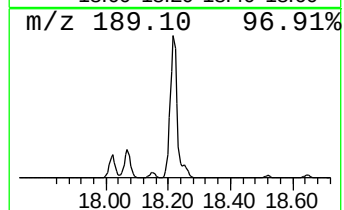
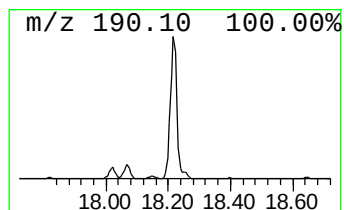
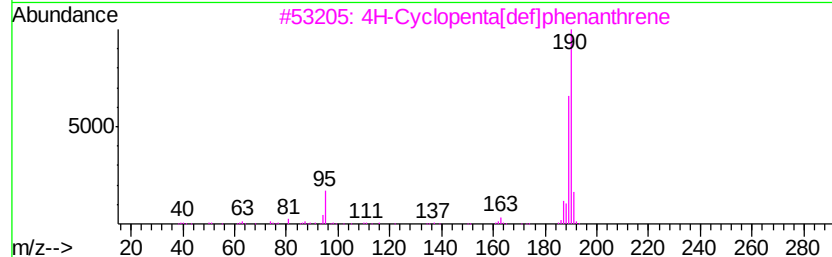
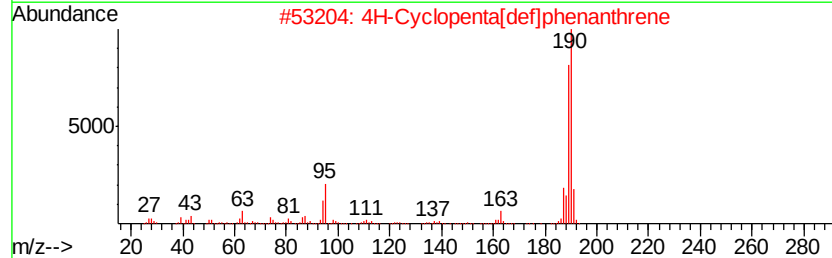
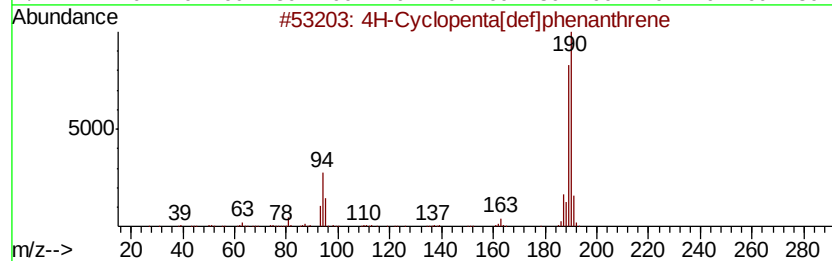
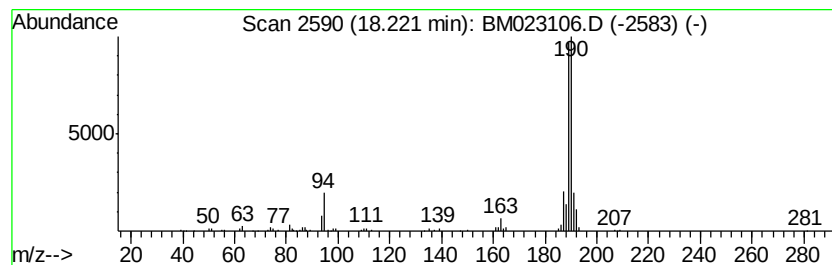
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.22	2.97 ng/ul	286718	Phenanthrene-d10		17.15		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
3			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
4			Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53



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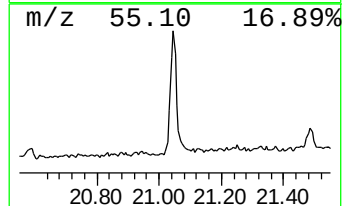
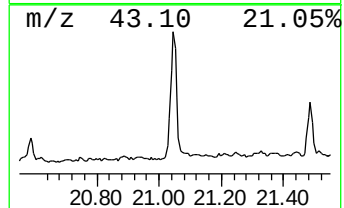
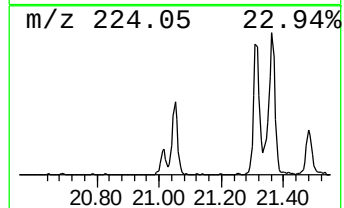
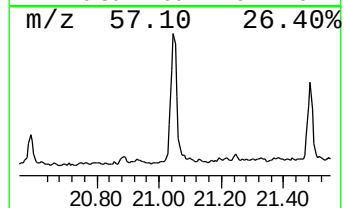
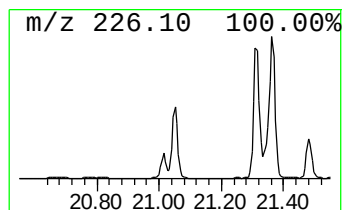
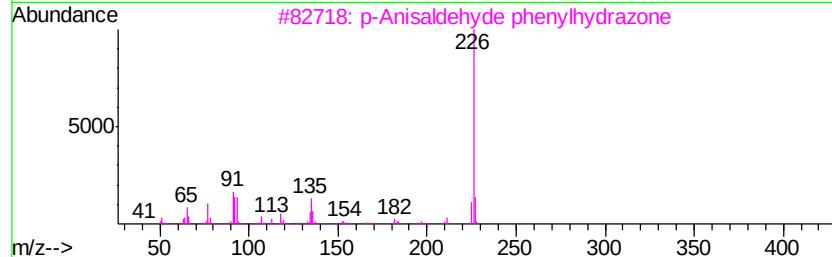
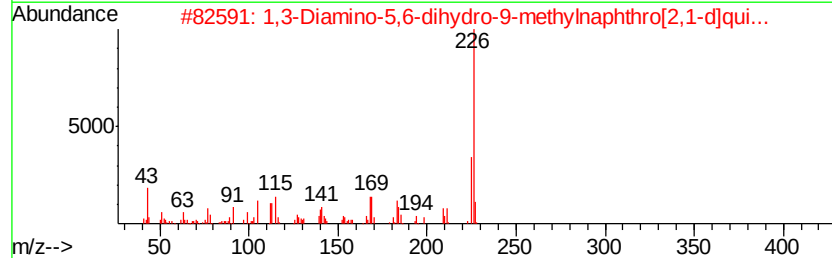
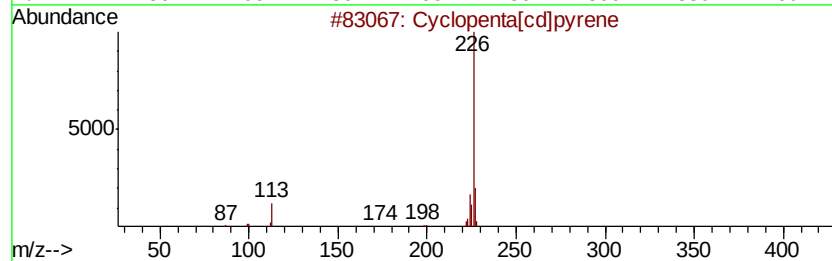
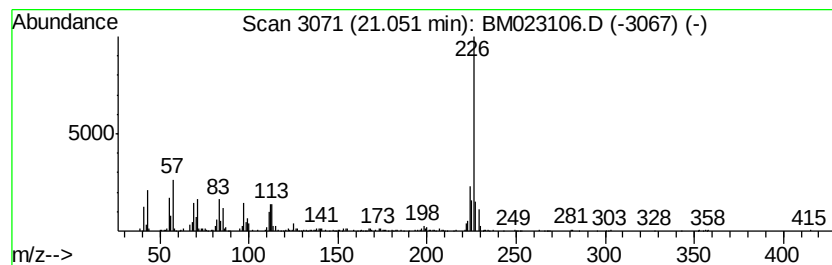
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Cyclopenta[cd]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.62 ng/ul	499864	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2		1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
3		p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	46
4		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
5		1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38



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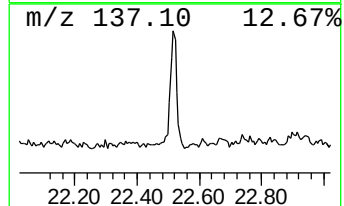
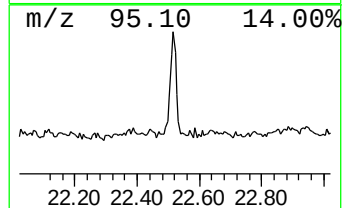
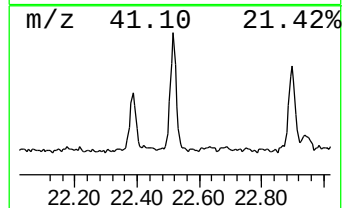
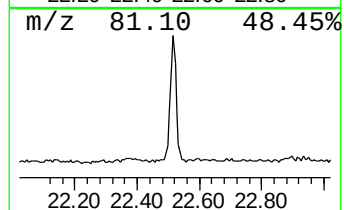
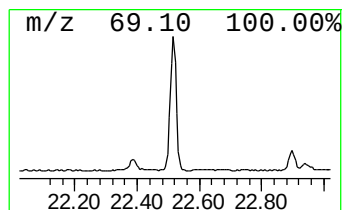
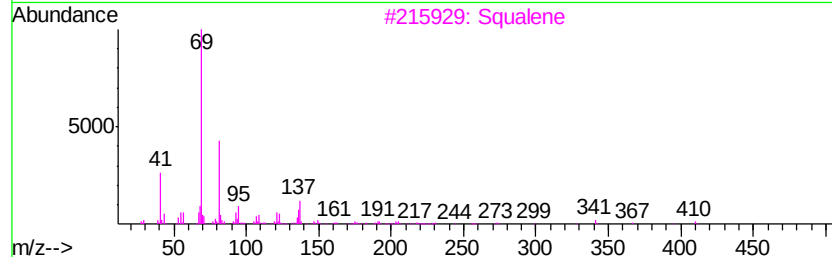
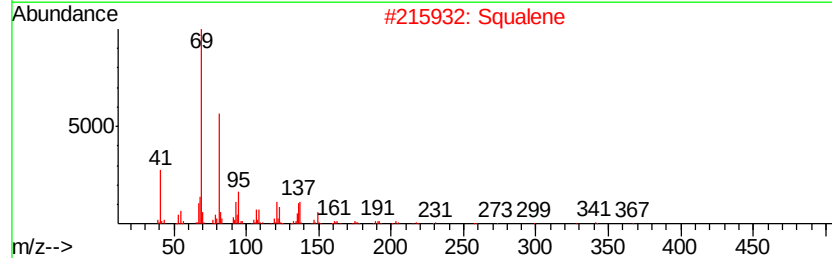
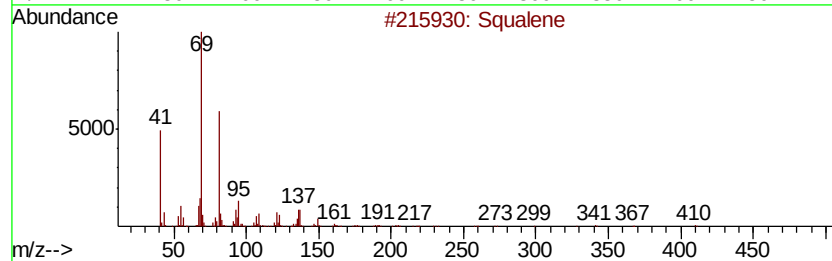
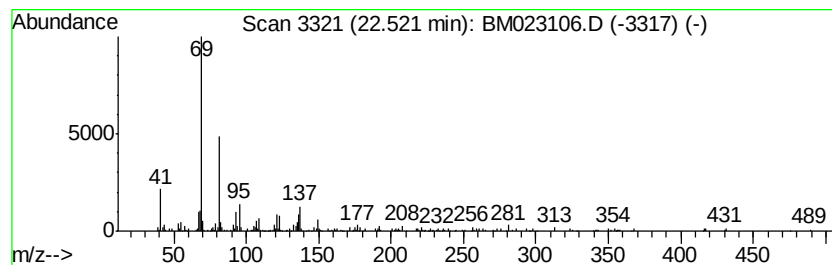
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Peak Number 3 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	2.23 ng/ul	256978	Perylene-d12	23.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	87
2		Squalene	410	C30H50	000111-02-4	87
3		Squalene	410	C30H50	000111-02-4	83
4		Supraene	410	C30H50	007683-64-9	83
5		4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023106.D
Acq On : 10 Oct 2019 05:54
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPC9

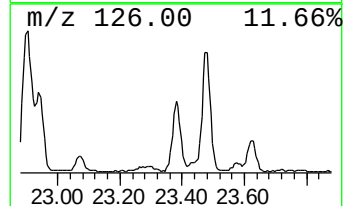
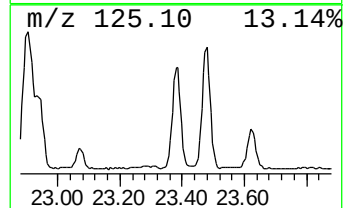
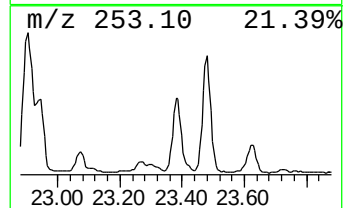
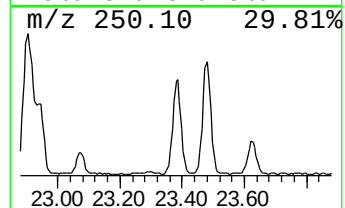
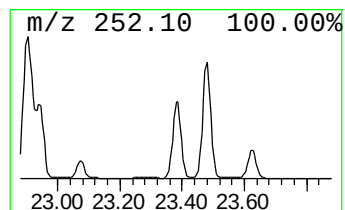
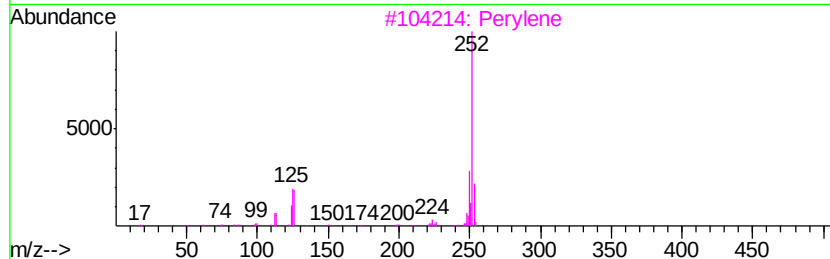
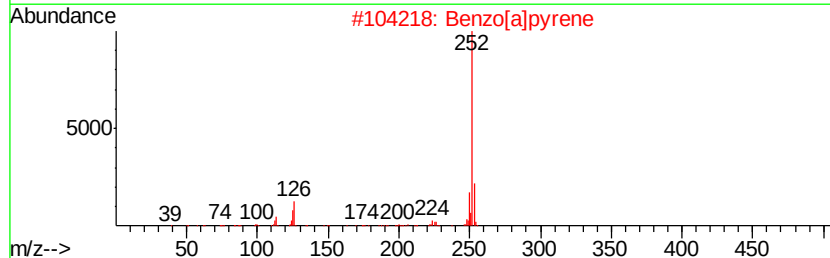
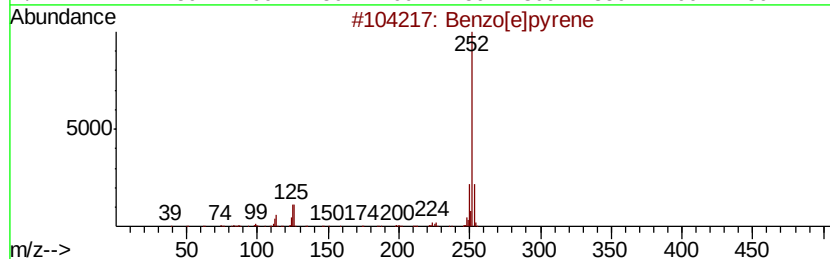
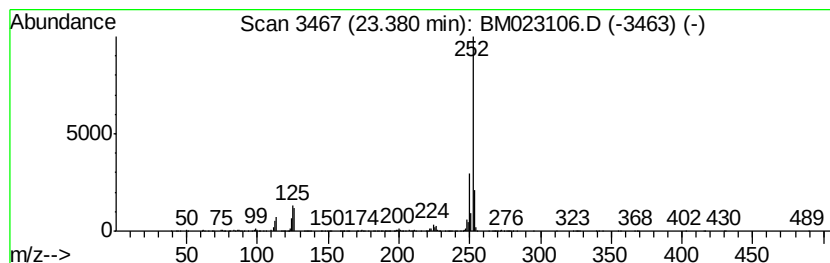
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.38	6.09 ng/ul	702107	Perylene-d12	23.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Perylene	252	C20H12	000198-55-0	97
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95



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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPC9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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
4H-Cyclopenta[def...	18.22	3.0	ng/ul	286718	4	17.15	1931130	20.0
Cyclopenta[cd]pyrene	21.05	2.6	ng/ul	499864	5	21.33	3817110	20.0
Squalene	22.52	2.2	ng/ul	256978	6	23.57	2307360	20.0
Benzo[e]pyrene	23.38	6.1	ng/ul	702107	6	23.57	2307360	20.0