

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
 Data File : BP004237.D
 Acq On : 11 Dec 2020 20:19
 Operator : CG/JU
 Sample : L5000-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A9

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_P\METHODS\SOM-EPA-BP121020MA.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	5.922	462	465	473	rVB2	30041	56735	0.62%	0.055%
2	6.987	640	646	655	rBV	537793	891054	9.72%	0.868%
3	7.164	670	676	683	rBV	500599	820707	8.95%	0.799%
4	7.358	703	709	719	rBV	599020	973069	10.61%	0.948%
5	7.828	783	789	798	rVB	1396206	2256507	24.61%	2.198%
6	8.522	901	907	916	rBV	609808	973741	10.62%	0.948%
7	8.981	978	985	992	rBV	591988	971992	10.60%	0.947%
8	9.705	1101	1108	1114	rBV	344342	580192	6.33%	0.565%
9	10.240	1189	1199	1208	rBV	659418	1119402	12.21%	1.090%
10	10.622	1256	1264	1270	rBV	1922451	3225164	35.17%	3.141%
11	10.675	1270	1273	1279	rVV	48422	75006	0.82%	0.073%
12	10.752	1279	1286	1300	rVV	409018	739745	8.07%	0.720%
13	12.287	1541	1547	1552	rVB	56893	89422	0.98%	0.087%
14	12.504	1578	1584	1591	rBV	51909	82929	0.90%	0.081%
15	13.793	1798	1803	1808	rVB2	45151	73479	0.80%	0.072%
16	13.881	1808	1818	1822	rBV	1209887	1760080	19.20%	1.714%
17	13.928	1822	1826	1831	rVV	304904	427102	4.66%	0.416%
18	14.163	1855	1866	1880	rVB	1645374	2590244	28.25%	2.523%
19	14.475	1909	1919	1925	rBV	2795924	4256534	46.42%	4.146%
20	14.534	1925	1929	1937	rVV	120012	201443	2.20%	0.196%
21	14.651	1944	1949	1963	rBV2	122134	239920	2.62%	0.234%
22	14.875	1982	1987	1994	rVV	81857	131501	1.43%	0.128%
23	15.469	2081	2088	2094	rBV	2004766	2865454	31.25%	2.791%
24	15.522	2094	2097	2102	rVB2	123676	160226	1.75%	0.156%
25	15.581	2102	2107	2111	rBV	208009	291302	3.18%	0.284%
26	15.822	2143	2148	2158	rVB	58502	114513	1.25%	0.112%
27	15.969	2168	2173	2180	rVB	50462	105123	1.15%	0.102%
28	16.204	2209	2213	2216	rVV5	50473	86413	0.94%	0.084%
29	16.234	2216	2218	2227	rVB3	38120	61253	0.67%	0.060%
30	16.510	2257	2265	2266	rBV5	27623	55147	0.60%	0.054%
31	16.763	2300	2308	2311	rBV3	41406	86533	0.94%	0.084%
32	16.881	2323	2328	2336	rVB	100067	167913	1.83%	0.164%
33	16.963	2337	2342	2343	rBV	45936	56089	0.61%	0.055%
34	17.051	2352	2357	2366	rVB	108800	187194	2.04%	0.182%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Title : SVOA CALIBRATION

35	17.234	2381	2388	2391	rBV	3338969	4897081	53.41%	4.769%
36	17.275	2391	2395	2399	rVV	2087175	2984396	32.55%	2.907%
37	17.328	2399	2404	2408	rVV2	2254697	3309017	36.09%	3.223%
38	17.363	2408	2410	2416	rVV	509253	640587	6.99%	0.624%
39	17.422	2416	2420	2426	rVB3	45659	80880	0.88%	0.079%
40	17.634	2448	2456	2460	rBV	159970	253200	2.76%	0.247%
41	17.751	2473	2476	2480	rBV2	68078	84979	0.93%	0.083%
42	17.810	2482	2486	2490	rVV	91778	117102	1.28%	0.114%
43	17.951	2506	2510	2518	rVB	56859	101147	1.10%	0.099%
44	18.022	2518	2522	2526	rBV3	39711	57486	0.63%	0.056%
45	18.104	2530	2536	2539	rVV	401381	611073	6.66%	0.595%
46	18.145	2539	2543	2549	rVV	545668	823547	8.98%	0.802%
47	18.228	2550	2557	2561	rVV2	145784	228109	2.49%	0.222%
48	18.286	2561	2567	2571	rVV3	519830	955507	10.42%	0.931%
49	18.322	2571	2573	2580	rVB	339544	426031	4.65%	0.415%
50	18.434	2582	2592	2597	rBV6	52502	152366	1.66%	0.148%
51	18.586	2614	2618	2621	rBV	265264	343389	3.74%	0.334%
52	18.622	2621	2624	2631	rVB2	244214	324254	3.54%	0.316%
53	18.710	2635	2639	2642	rBV	51795	66760	0.73%	0.065%
54	18.828	2656	2659	2663	rVV	124682	169917	1.85%	0.165%
55	18.875	2663	2667	2670	rVV	115304	152663	1.66%	0.149%
56	18.910	2670	2673	2677	rVB	104679	127518	1.39%	0.124%
57	18.992	2682	2687	2691	rVV	281140	439148	4.79%	0.428%
58	19.051	2691	2697	2700	rVV3	150163	331520	3.62%	0.323%
59	19.081	2700	2702	2705	rVB	88336	91780	1.00%	0.089%
60	19.122	2705	2709	2717	rBV2	238296	403009	4.40%	0.393%
61	19.245	2725	2730	2736	rVB	3729392	4695023	51.20%	4.573%
62	19.310	2738	2741	2744	rBV	68058	72712	0.79%	0.071%
63	19.345	2744	2747	2752	rVV4	69312	115894	1.26%	0.113%
64	19.392	2752	2755	2758	rVB2	85310	100369	1.09%	0.098%
65	19.433	2758	2762	2765	rBV2	82742	121549	1.33%	0.118%
66	19.481	2767	2770	2774	rVV	103507	122344	1.33%	0.119%
67	19.569	2779	2785	2788	rVV	3617054	5496609	59.95%	5.353%
68	19.598	2788	2790	2798	rVV	3770924	4308103	46.98%	4.196%
69	19.669	2798	2802	2809	rVB2	183925	319384	3.48%	0.311%
70	19.775	2815	2820	2825	rBV	143903	246420	2.69%	0.240%
71	19.828	2826	2829	2836	rVB2	128169	193371	2.11%	0.188%

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72	19.922	2838	2845	2850	rBV4	279339	675716	7.37%	0.658%
73	20.045	2862	2866	2868	rVV3	228001	355733	3.88%	0.346%
74	20.080	2869	2872	2876	rVB	450432	591367	6.45%	0.576%
75	20.180	2885	2889	2892	rBV	221232	271608	2.96%	0.265%
76	20.233	2893	2898	2902	rVV2	404618	617230	6.73%	0.601%
77	20.275	2902	2905	2909	rVB	107888	124276	1.36%	0.121%
78	20.369	2917	2921	2925	rBV2	319787	421954	4.60%	0.411%
79	20.416	2925	2929	2934	rVB	316068	426459	4.65%	0.415%
80	20.810	2992	2996	3002	rVB	381953	564444	6.16%	0.550%
81	20.975	3017	3024	3027	rBV2	338465	707146	7.71%	0.689%
82	21.010	3027	3030	3033	rVV	388146	537225	5.86%	0.523%
83	21.051	3033	3037	3041	rVV3	505539	951623	10.38%	0.927%
84	21.098	3042	3045	3057	rVB2	427410	768977	8.39%	0.749%
85	21.239	3067	3069	3073	rVB	219512	226661	2.47%	0.221%
86	21.322	3076	3083	3087	rVV2	4924471	9169375	100.00%	8.930%
87	21.357	3087	3089	3099	rVB	1958137	2367821	25.82%	2.306%
88	21.480	3106	3110	3115	rBV2	278833	424540	4.63%	0.413%
89	21.639	3134	3137	3142	rBV2	171855	231058	2.52%	0.225%
90	21.886	3177	3179	3184	rVB2	327575	431643	4.71%	0.420%
91	21.945	3185	3189	3194	rVB3	330415	473785	5.17%	0.461%
92	22.092	3211	3214	3217	rBV	175536	231133	2.52%	0.225%
93	22.963	3355	3362	3368	rBV	1417844	3837869	41.86%	3.738%
94	23.139	3389	3392	3398	rVB	263187	420516	4.59%	0.410%
95	23.469	3442	3448	3452	rBV	823991	1641009	17.90%	1.598%
96	23.521	3452	3457	3461	rVV	1858225	3556170	38.78%	3.463%
97	23.569	3461	3465	3474	rVB	1301437	2568141	28.01%	2.501%
98	23.674	3475	3483	3489	rBV	2924257	5903867	64.39%	5.750%
99	26.080	3885	3892	3906	rVB2	692813	2092044	22.82%	2.038%
100	26.815	4012	4017	4034	rVB	425376	1349902	14.72%	1.315%

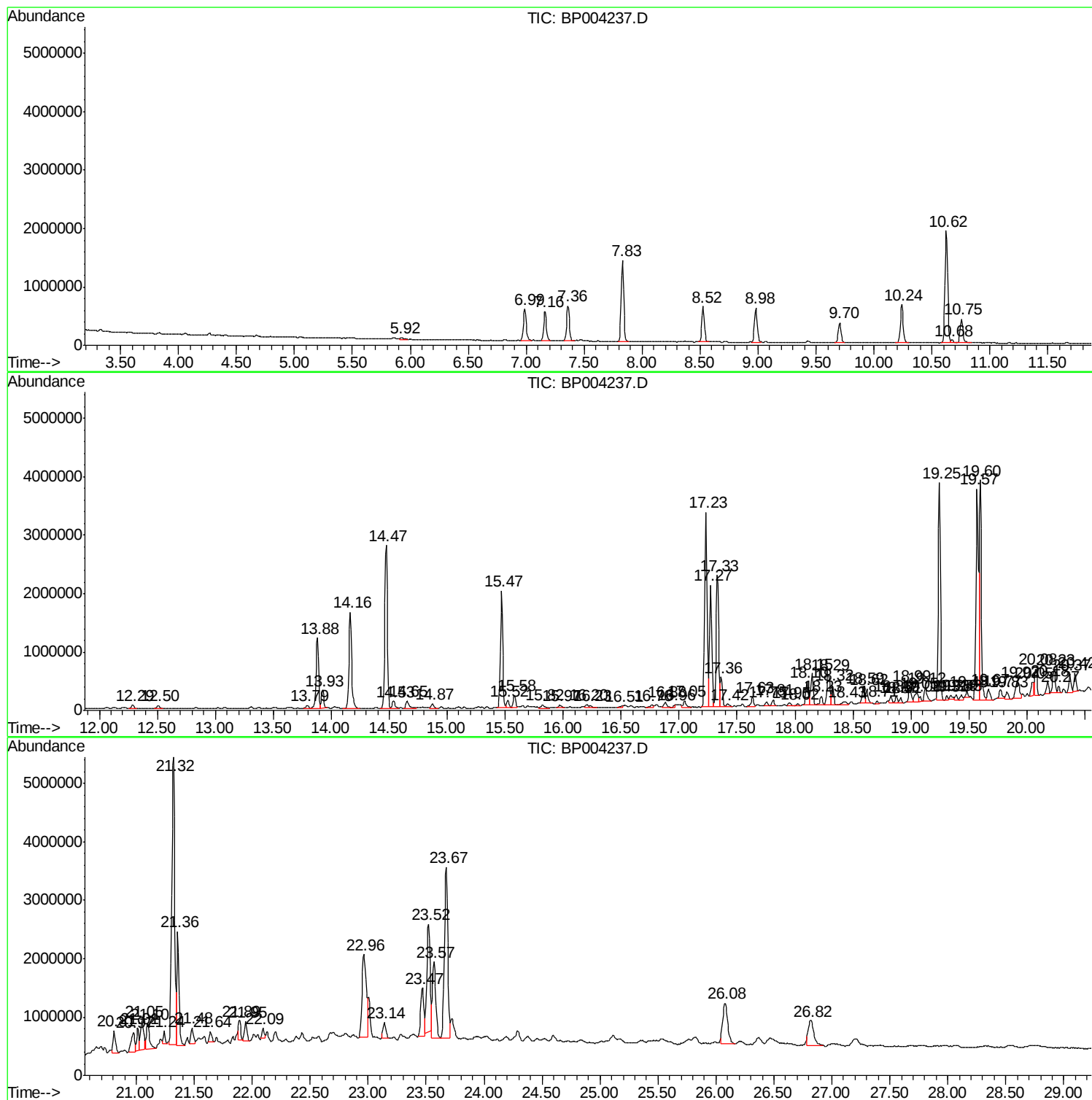
Sum of corrected areas: 102676664

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Instrument :
BNA_P
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A54A9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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



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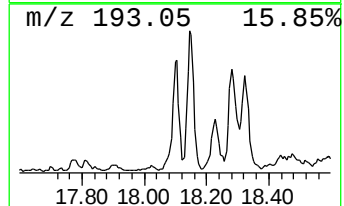
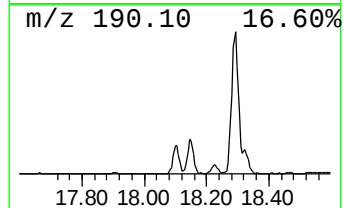
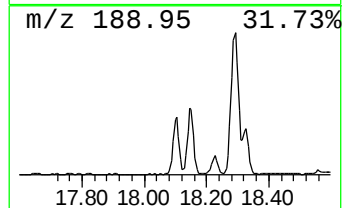
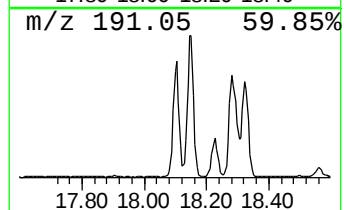
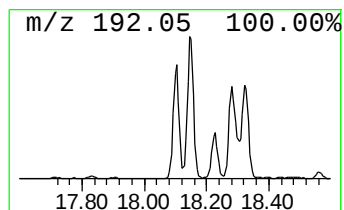
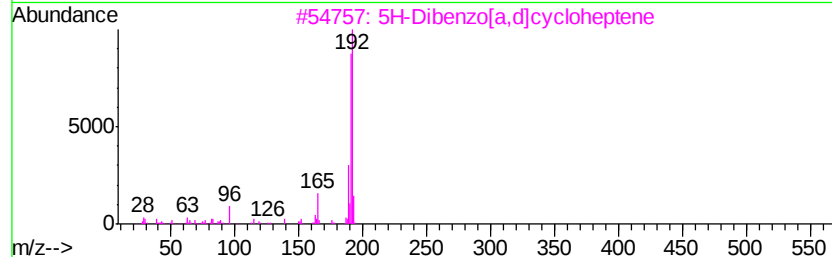
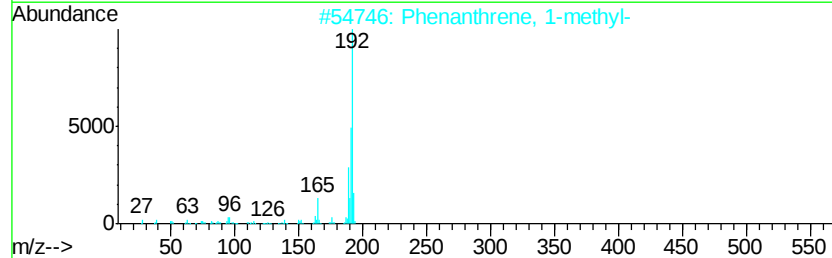
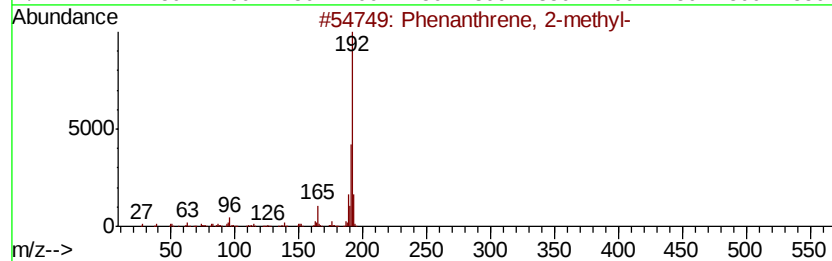
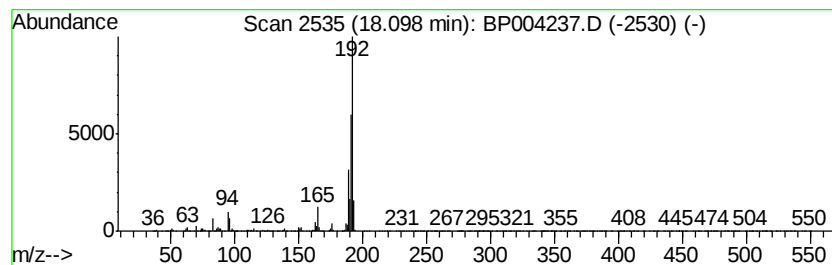
Instrument :
BNA_P
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A54A9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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.	
18.10	2.50 ng/ul	611073	Phenanthrene-d10	17.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



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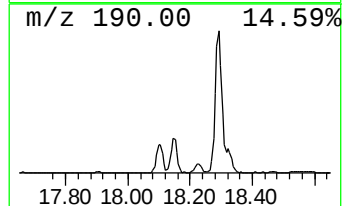
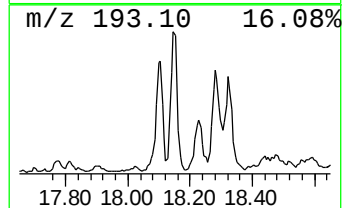
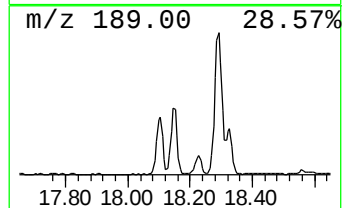
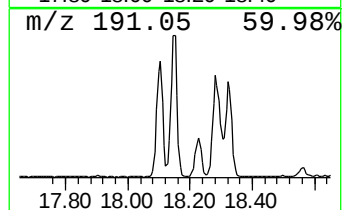
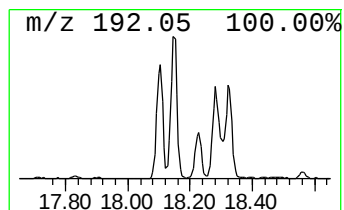
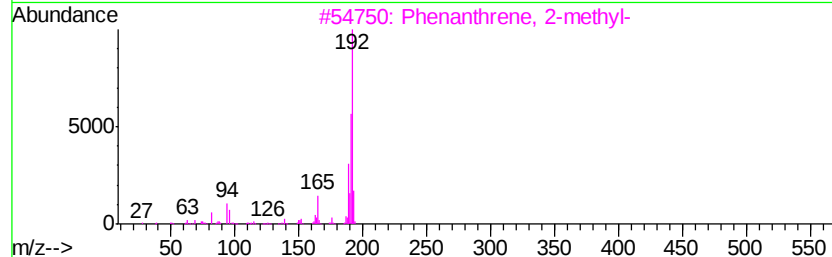
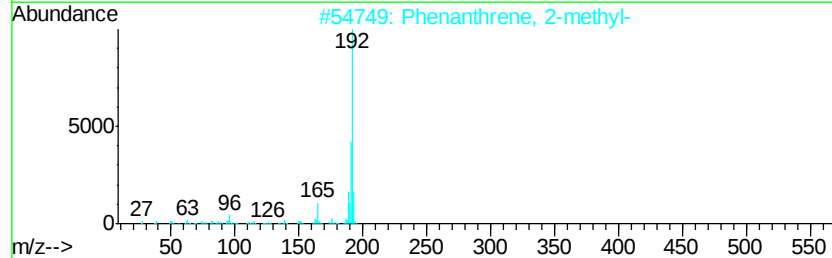
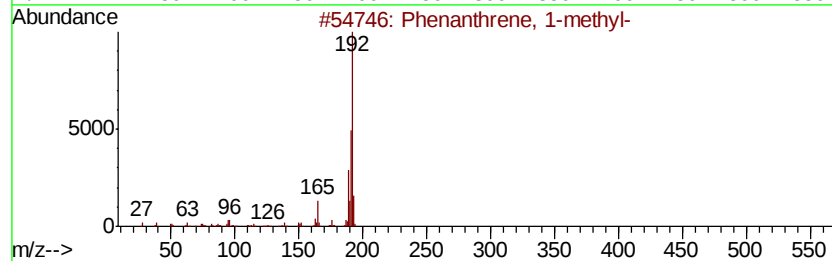
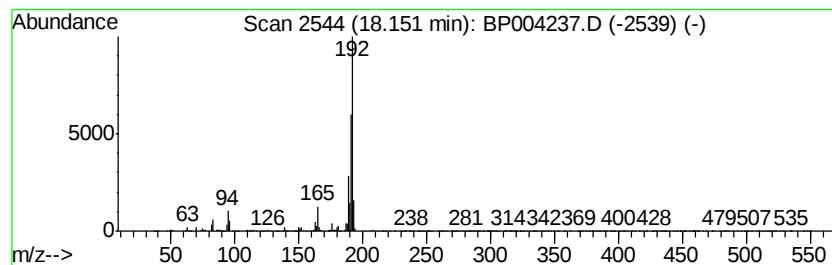
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.15	3.36 ng/ul	823547	Phenanthrene-d10	17.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97	
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96	
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95	



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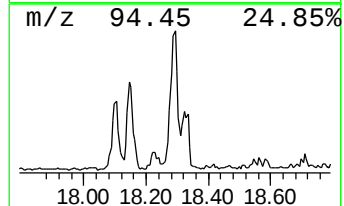
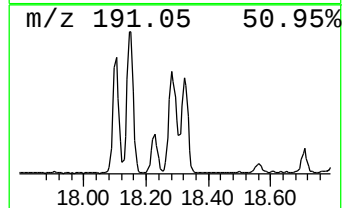
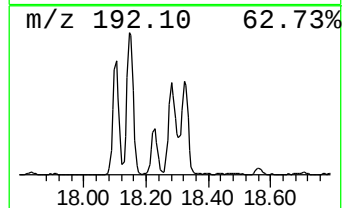
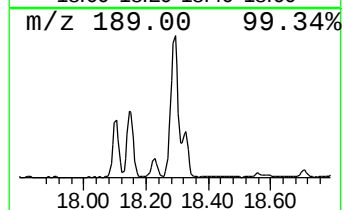
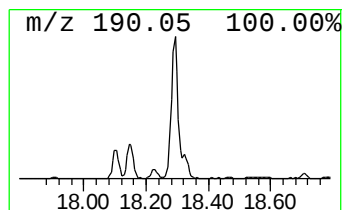
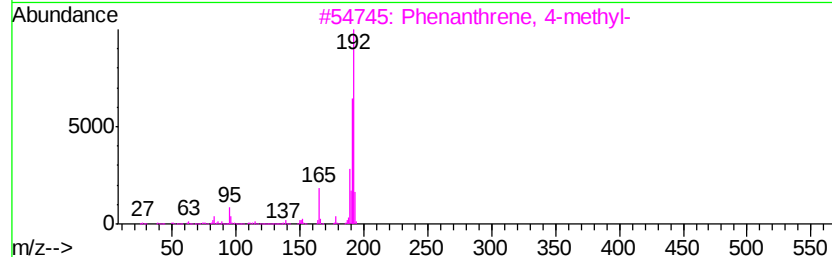
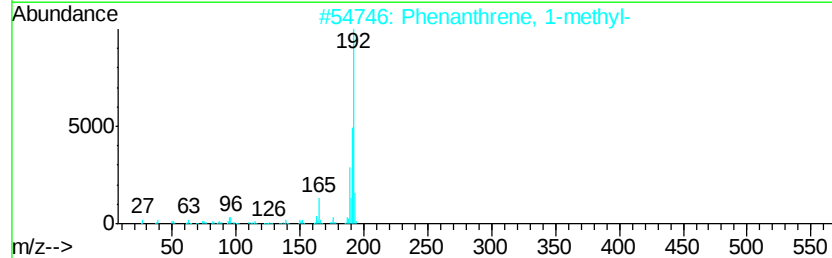
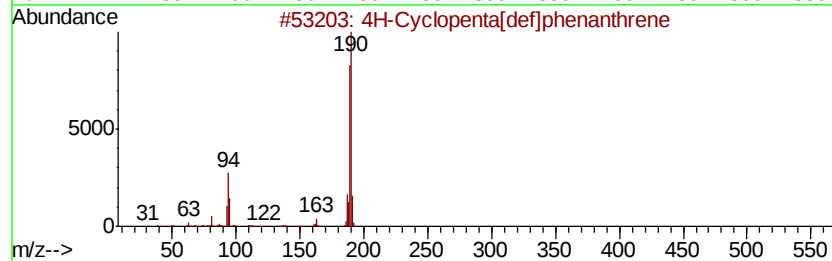
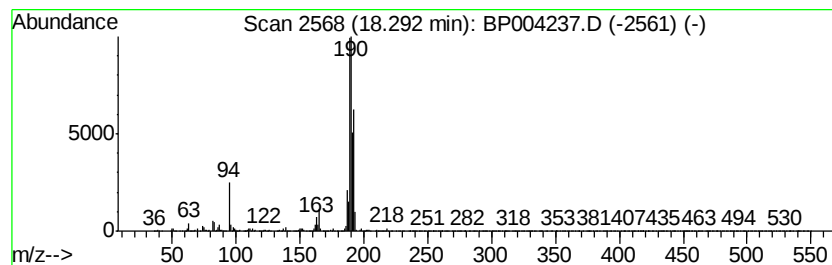
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.90 ng/ul	955507	Phenanthrene-d10	17.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42



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Acq On : 11 Dec 2020 20:19
Operator : CG/JU
Sample : L5000-10
Misc :
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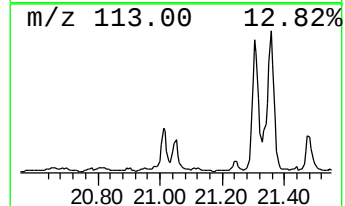
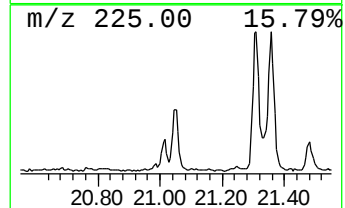
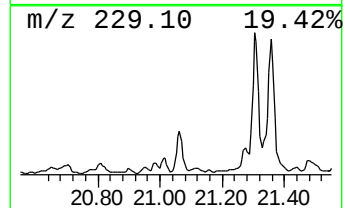
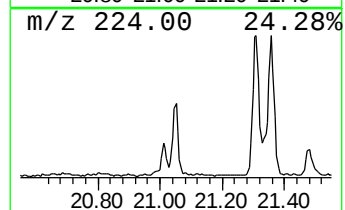
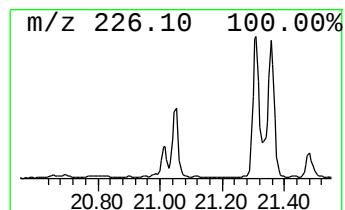
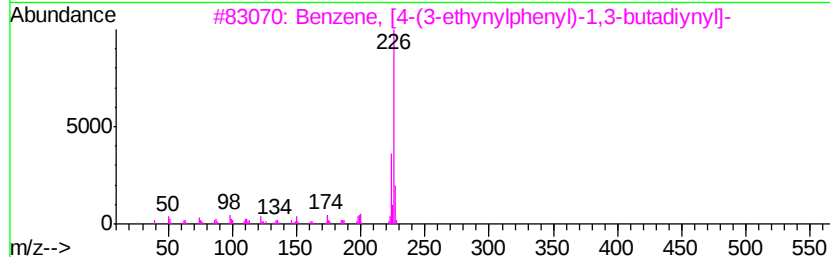
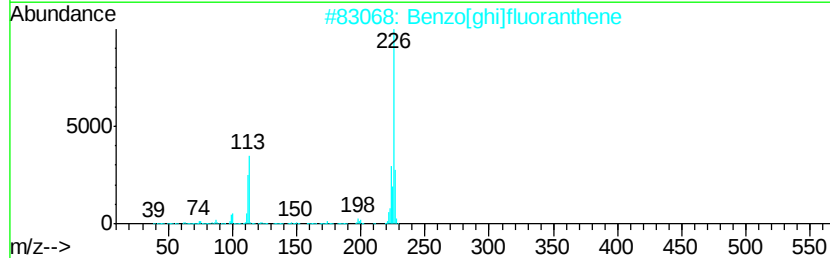
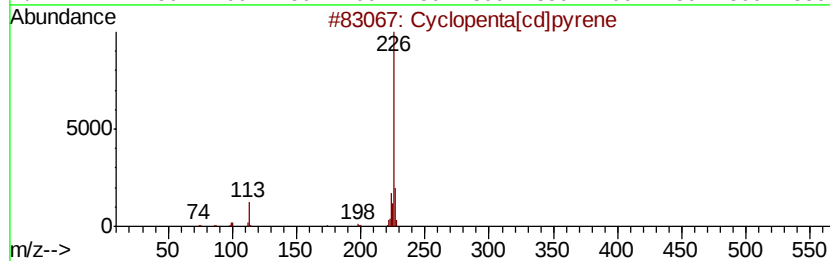
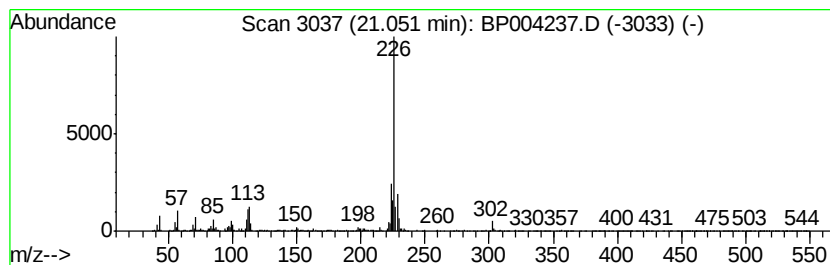
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Cyclopenta[cd]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.08 ng/ul	951623	Chrysene-d12	21.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 60
2		Benzo[ghi]fluoranthene	226 C18H10	000203-12-3 53
3		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 46
4		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 38
5		4-Naphthalen-2-yl-thiazol-2-ylamine	226 C13H10N2S	1000300-53-4 33



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
Data File : BP004237.D
Acq On : 11 Dec 2020 20:19
Operator : CG/JU
Sample : L5000-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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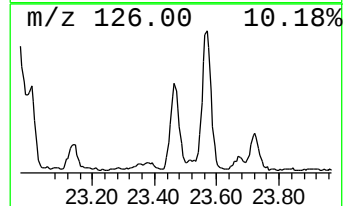
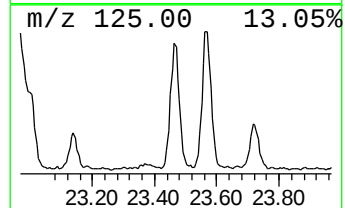
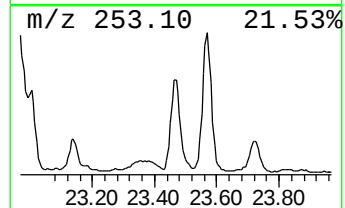
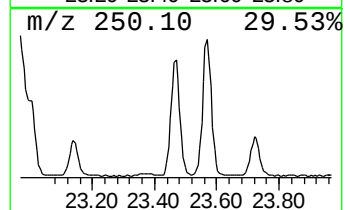
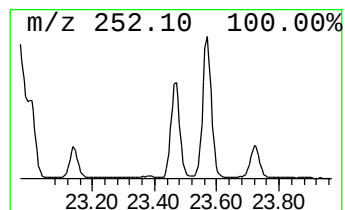
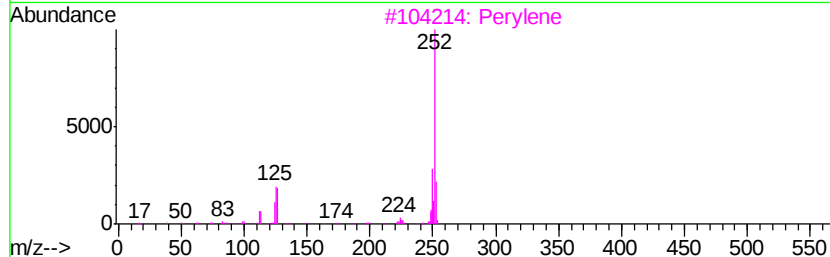
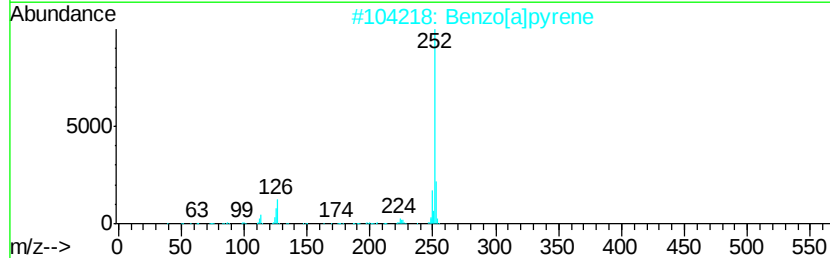
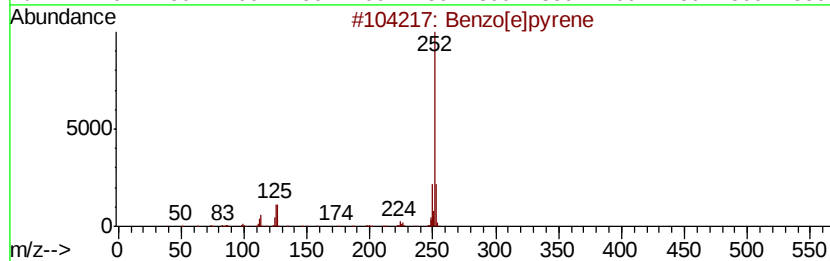
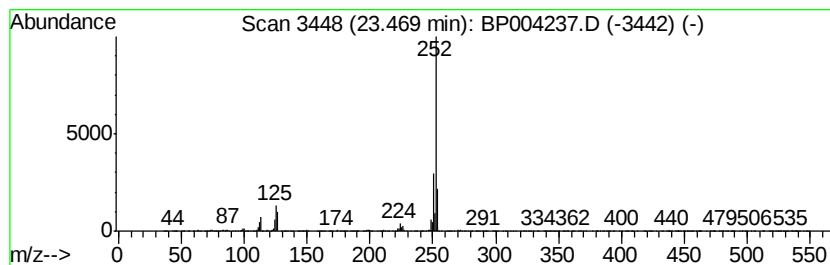
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.47	5.56 ng/ul	1641010	Perylene-d12	23.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene		252	C20H12	000192-97-2	99
2	Benzo[a]pyrene		252	C20H12	000050-32-8	96
3	Perylene		252	C20H12	000198-55-0	94
4	Benzo[e]acephenanthrylene		252	C20H12	000205-99-2	94
5	Benzo[e]acephenanthrylene		252	C20H12	000205-99-2	93



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Sample : L5000-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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...	18.10	2.5	ng/ul	611073	4	17.23	4897080	20.0
Phenanthrene, 1-m...	18.15	3.4	ng/ul	823547	4	17.23	4897080	20.0
4H-Cyclopenta[def...	18.29	3.9	ng/ul	955507	4	17.23	4897080	20.0
Cyclopenta[cd]pyrene	21.05	2.1	ng/ul	951623	5	21.32	9169380	20.0
Benzo[e]pyrene	23.47	5.6	ng/ul	1641010	6	23.67	5903870	20.0