

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057251.D
 Acq On : 1 May 2023 14:02
 Operator : CG/JU
 Sample : 02418-28DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW902DL

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Title : SVOA CALIBRATION

Signal : TIC: BG057251.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.213	110	115	119	rVB3	2361	3263	0.38%	0.041%
2	4.448	151	155	161	rBV3	2341	4322	0.51%	0.054%
3	7.521	673	678	685	rBV4	2852	5179	0.61%	0.065%
4	7.685	699	706	712	rBV4	3063	5651	0.67%	0.071%
5	7.908	739	744	750	rVB2	2716	4483	0.53%	0.056%
6	8.384	818	825	833	rBV	62532	102373	12.05%	1.281%
7	9.089	940	945	949	rBV4	2475	3920	0.46%	0.049%
8	9.559	1020	1025	1032	rBV	4136	5919	0.70%	0.074%
9	10.287	1145	1149	1154	rVB2	2459	3901	0.46%	0.049%
10	10.845	1239	1244	1250	rBV	3190	5382	0.63%	0.067%
11	11.221	1301	1308	1315	rBV2	88511	157535	18.55%	1.971%
12	14.376	1841	1845	1855	rVB2	11129	15283	1.80%	0.191%
13	14.693	1893	1899	1905	rBV	12313	17677	2.08%	0.221%
14	14.999	1944	1951	1957	rVB	152989	241916	28.48%	3.026%
15	15.057	1957	1961	1966	rVB	3630	4791	0.56%	0.060%
16	15.980	2113	2118	2123	rBV2	16497	23136	2.72%	0.289%
17	16.038	2123	2128	2134	rVB2	4885	7805	0.92%	0.098%
18	16.326	2172	2177	2182	rBV2	8470	12200	1.44%	0.153%
19	16.467	2198	2201	2209	rBV2	1945	3566	0.42%	0.045%
20	16.667	2228	2235	2240	rVV4	1779	3533	0.42%	0.044%
21	17.384	2354	2357	2362	rVB2	3548	4304	0.51%	0.054%
22	17.454	2362	2369	2370	rBV3	2069	3155	0.37%	0.039%
23	17.554	2382	2386	2391	rVB	3599	4987	0.59%	0.062%
24	17.736	2411	2417	2421	rVV	196136	302335	35.59%	3.782%
25	17.777	2421	2424	2429	rVV	113944	155847	18.35%	1.950%
26	17.830	2429	2433	2436	rVV2	17503	24860	2.93%	0.311%
27	17.865	2436	2439	2444	rVV	22636	32087	3.78%	0.401%
28	18.136	2479	2485	2489	rBV2	5302	10576	1.25%	0.132%
29	18.171	2489	2491	2494	rVV4	2861	3213	0.38%	0.040%
30	18.247	2499	2504	2509	rVV3	4393	7793	0.92%	0.097%
31	18.318	2511	2516	2522	rVB4	3342	5804	0.68%	0.073%
32	18.600	2557	2564	2568	rBV2	16543	26070	3.07%	0.326%
33	18.653	2568	2573	2579	rVB	23965	34012	4.00%	0.425%
34	18.729	2580	2586	2591	rBV2	7710	11579	1.36%	0.145%
35	18.799	2591	2598	2602	rBV2	38305	71037	8.36%	0.889%
36	19.087	2642	2647	2651	rVV	15503	21945	2.58%	0.275%

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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
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37	19.134	2651	2655	2659	rVB3	10340	13851	1.63%	0.173%
38	19.322	2685	2687	2693	rBV4	4206	6690	0.79%	0.084%
39	19.375	2693	2696	2699	rBV4	4071	4676	0.55%	0.058%
40	19.422	2699	2704	2707	rVB3	3767	5561	0.65%	0.070%
41	19.498	2707	2717	2721	rBV4	11684	24348	2.87%	0.305%
42	19.569	2721	2729	2731	rBV8	6995	16387	1.93%	0.205%
43	19.645	2738	2742	2753	rVB	27713	46645	5.49%	0.584%
44	19.769	2757	2763	2768	rBV	562673	777149	91.49%	9.722%
45	19.810	2768	2770	2773	rVB	4578	4803	0.57%	0.060%
46	19.863	2773	2779	2782	rVB3	7544	11131	1.31%	0.139%
47	19.921	2784	2789	2791	rBV5	3208	4763	0.56%	0.060%
48	19.945	2791	2793	2798	rBV6	3578	5971	0.70%	0.075%
49	20.015	2798	2805	2812	rVB2	12990	28581	3.36%	0.358%
50	20.092	2812	2818	2820	rBV2	88306	139120	16.38%	1.740%
51	20.127	2820	2824	2830	rVB	442516	638280	75.15%	7.985%
52	20.186	2831	2834	2841	rVB2	15027	18572	2.19%	0.232%
53	20.291	2842	2852	2857	rBV	23830	43639	5.14%	0.546%
54	20.368	2858	2865	2870	rVB	18298	33243	3.91%	0.416%
55	20.438	2870	2877	2883	rBV2	28346	69611	8.20%	0.871%
56	20.503	2885	2888	2893	rBV6	4734	9134	1.08%	0.114%
57	20.609	2901	2906	2911	rVB	51382	86974	10.24%	1.088%
58	20.650	2911	2913	2914	rVV2	3654	3139	0.37%	0.039%
59	20.709	2917	2923	2926	rBV	31833	51826	6.10%	0.648%
60	20.767	2926	2933	2936	rVV2	30225	61560	7.25%	0.770%
61	20.803	2936	2939	2943	rVB2	17517	19217	2.26%	0.240%
62	20.914	2952	2958	2961	rBV	20871	31173	3.67%	0.390%
63	20.961	2962	2966	2971	rVB2	19495	33364	3.93%	0.417%
64	21.055	2977	2982	2984	rBV5	4974	9007	1.06%	0.113%
65	21.402	3036	3041	3048	rVB	43438	71309	8.40%	0.892%
66	21.601	3065	3075	3078	rBV2	58092	125241	14.74%	1.567%
67	21.643	3078	3082	3086	rVV2	38184	70193	8.26%	0.878%
68	21.695	3086	3091	3097	rVV2	52758	114298	13.46%	1.430%
69	21.754	3097	3101	3109	rVB2	45027	87257	10.27%	1.092%
70	21.895	3119	3125	3131	rVB	13100	25084	2.95%	0.314%
71	22.030	3136	3148	3156	rVV3	280799	849396	100.00%	10.626%
72	22.101	3156	3160	3172	rVB	214635	393433	46.32%	4.922%
73	22.189	3172	3175	3176	rBV3	6202	6368	0.75%	0.080%
74	22.265	3182	3188	3194	rBV	43856	76187	8.97%	0.953%
75	22.342	3196	3201	3204	rBV5	10884	19449	2.29%	0.243%
76	22.489	3220	3226	3233	rBV	32297	61454	7.24%	0.769%

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77	22.553	3234	3237	3240	rBV5	5793	8740	1.03%	0.109%
78	22.835	3275	3285	3290	rBV2	28088	78451	9.24%	0.981%
79	22.911	3294	3298	3305	rVB2	19530	37464	4.41%	0.469%
80	23.011	3310	3315	3318	rVB3	9017	14952	1.76%	0.187%
81	23.141	3331	3337	3342	rBV3	19516	47671	5.61%	0.596%
82	23.182	3342	3344	3353	rVB4	17855	33497	3.94%	0.419%
83	23.282	3355	3361	3369	rVB5	14569	36006	4.24%	0.450%
84	23.534	3402	3404	3405	rBV2	5041	4670	0.55%	0.058%
85	23.581	3407	3412	3417	rVV9	10657	24902	2.93%	0.312%
86	24.445	3549	3559	3567	rBV	193066	669023	78.76%	8.369%
87	25.244	3685	3695	3706	rBV	92522	287229	33.82%	3.593%
88	25.402	3713	3722	3733	rVB2	119652	357709	42.11%	4.475%
89	25.573	3742	3751	3759	rBV3	86329	265580	31.27%	3.322%
90	25.655	3760	3765	3778	rVB	47925	141949	16.71%	1.776%
91	26.001	3822	3824	3826	rBV2	3570	3035	0.36%	0.038%
92	26.530	3912	3914	3915	rBV2	3911	3288	0.39%	0.041%
93	27.511	4079	4081	4083	rBV3	5321	4942	0.58%	0.062%
94	29.056	4342	4344	4345	rBV2	4584	3267	0.38%	0.041%
95	29.638	4429	4443	4468	rVB2	63540	351167	41.34%	4.393%
96	30.307	4553	4557	4558	rBV4	5495	7526	0.89%	0.094%
97	30.912	4647	4660	4673	rBV2	33273	153642	18.09%	1.922%
98	31.559	4768	4770	4771	rBV2	3498	3038	0.36%	0.038%
99	32.181	4874	4876	4878	rVB3	4770	2987	0.35%	0.037%
100	32.287	4892	4894	4899	rBV6	2168	3546	0.42%	0.044%

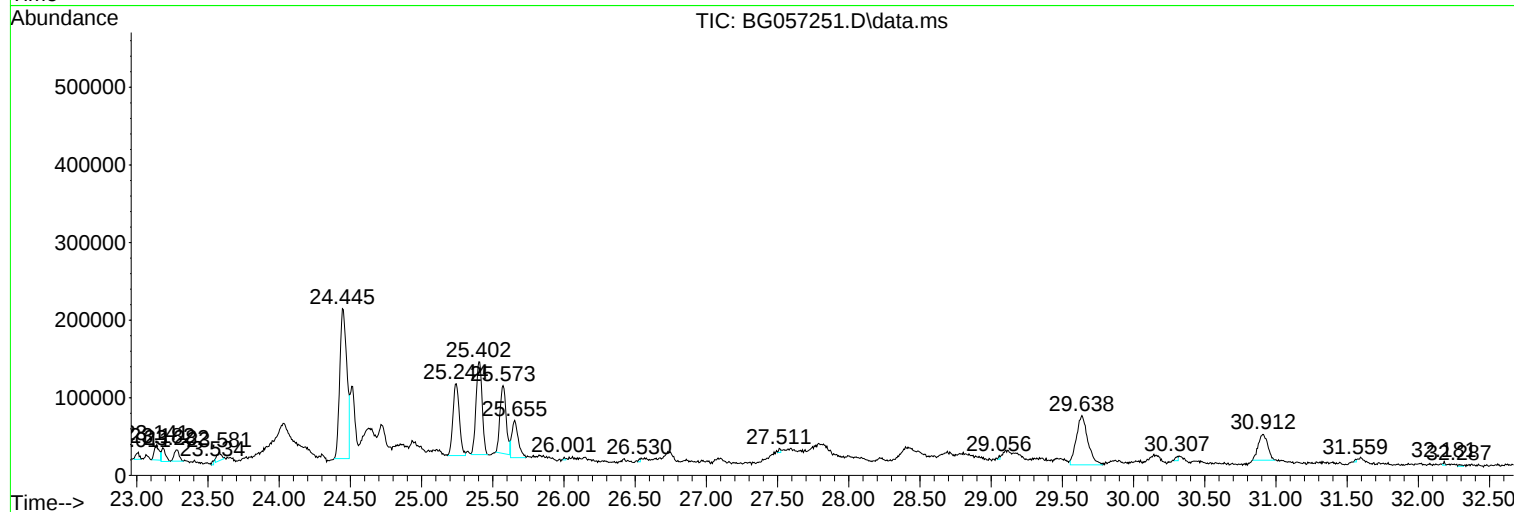
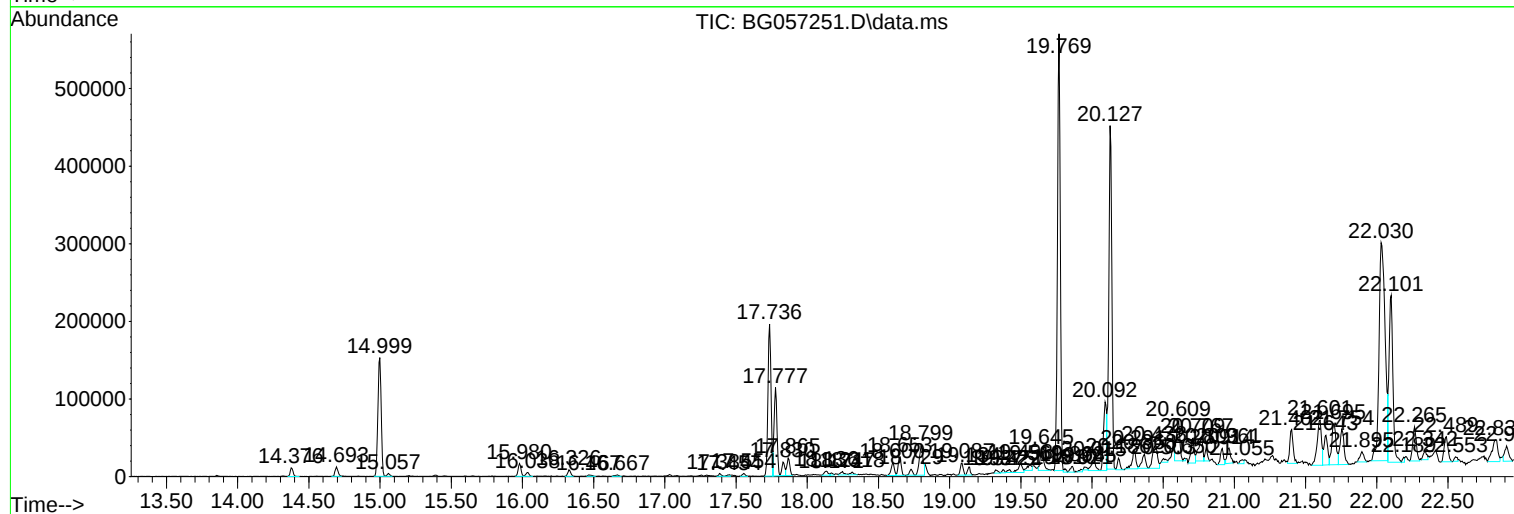
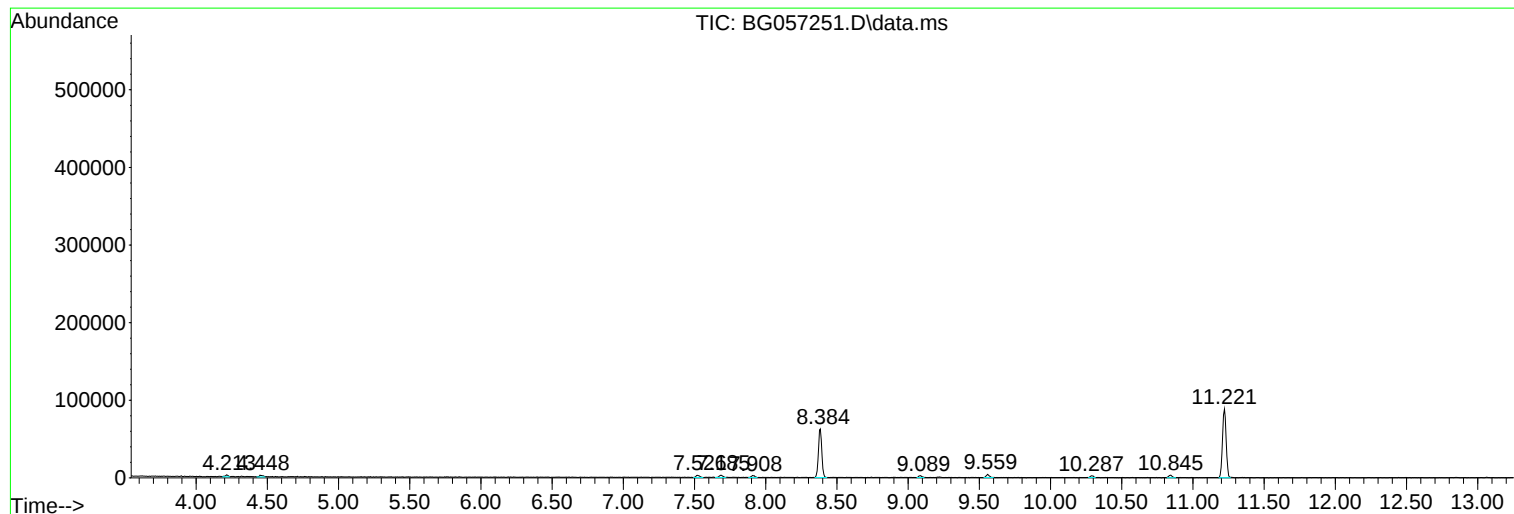
Sum of corrected areas: 7993804

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



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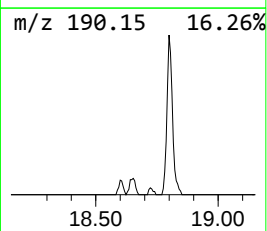
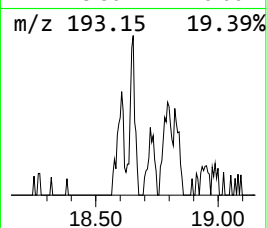
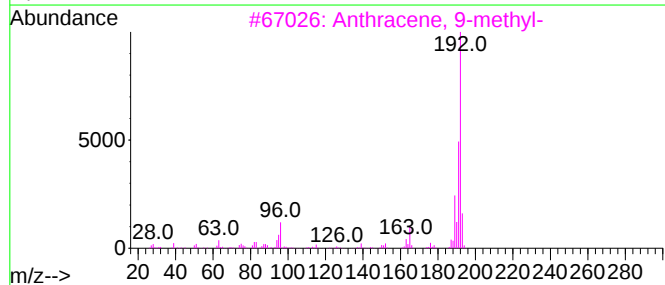
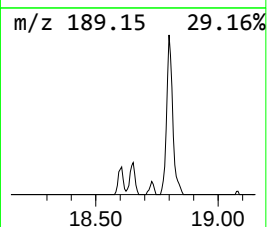
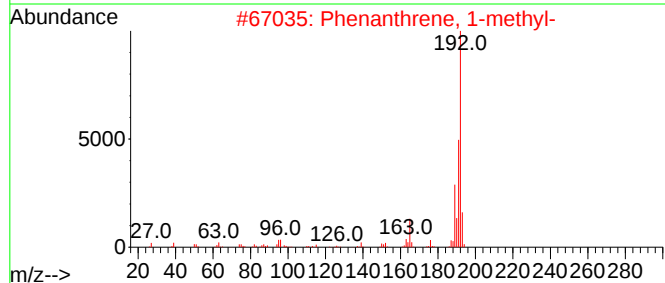
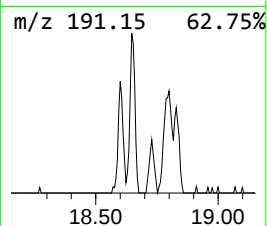
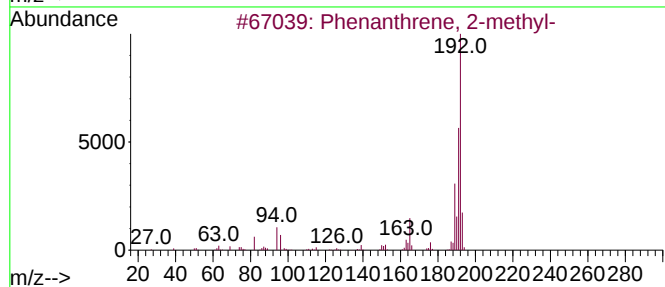
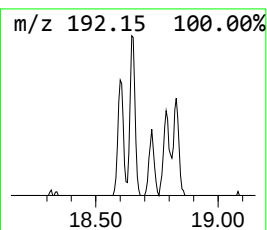
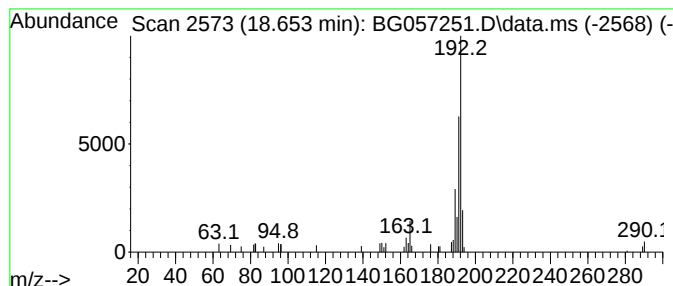
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.653	2.25 ng/ul	34012	Phenanthrene-d10	17.736

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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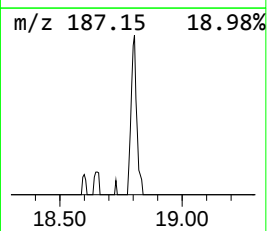
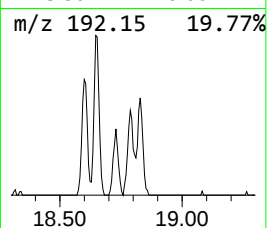
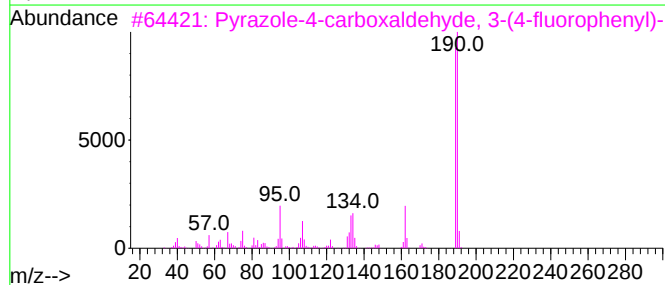
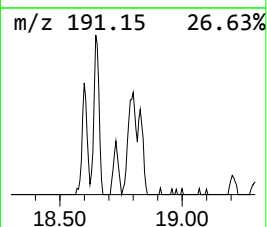
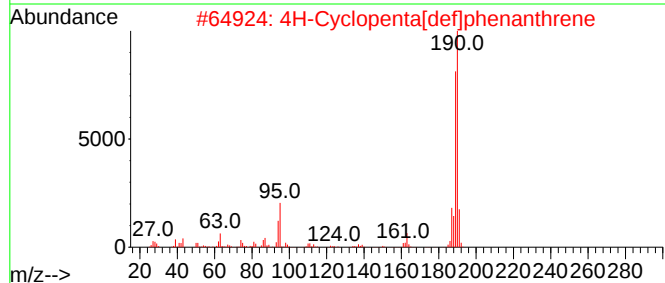
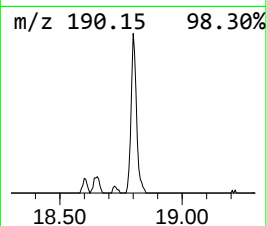
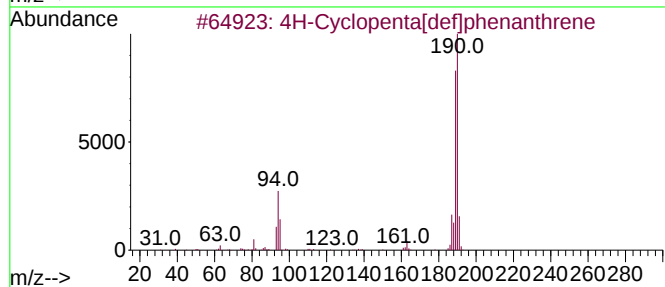
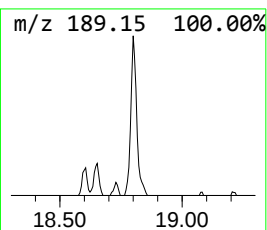
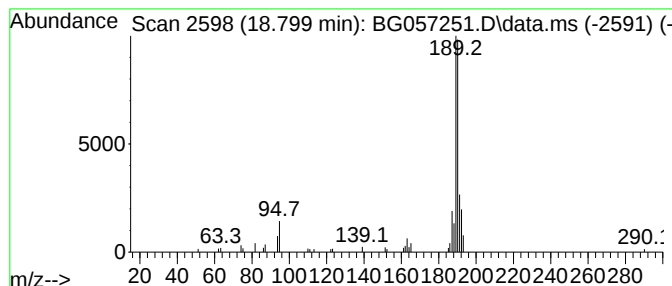
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.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.
18.799	4.70 ng/ul	71037	Phenanthrene-d10	17.736

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53
5			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50



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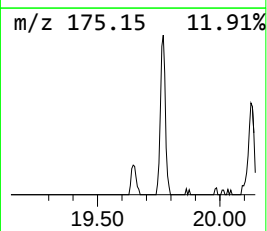
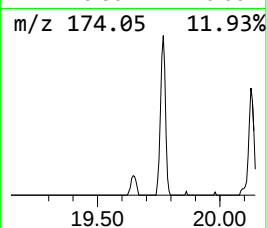
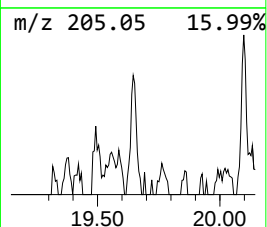
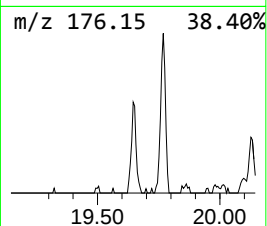
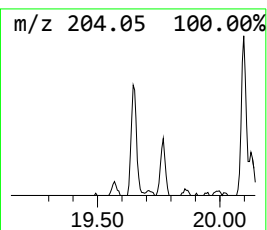
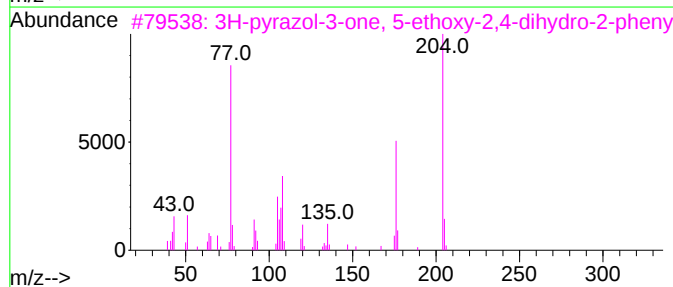
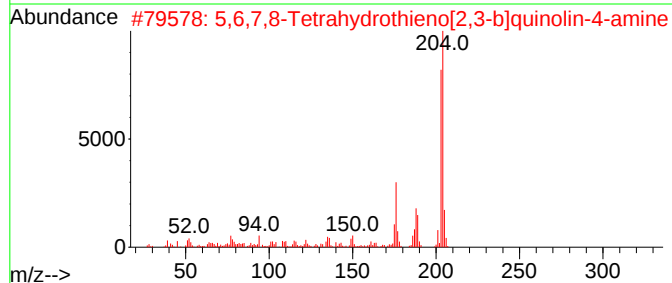
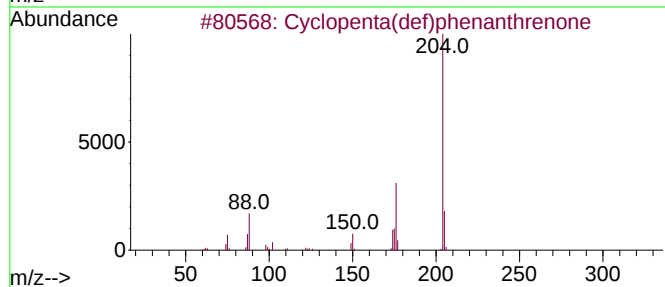
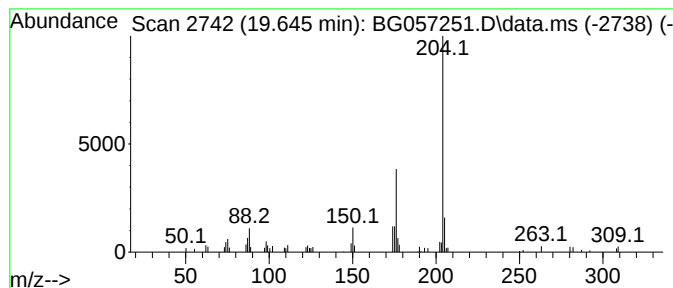
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.645	3.09 ng/ul	46645	Phenanthrene-d10	17.736	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	3H-pyrazol-3-one, 5-ethoxy-2,4-d...	204	C11H12N2O2	1000400-47-1	59
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
Sample : 02418-28DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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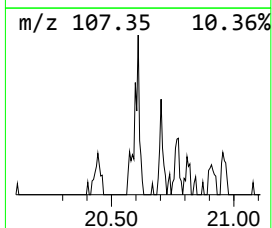
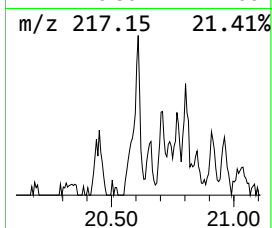
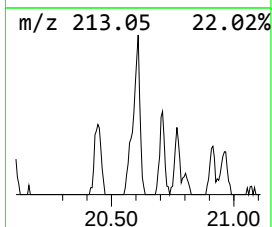
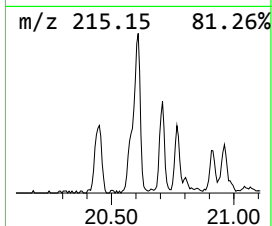
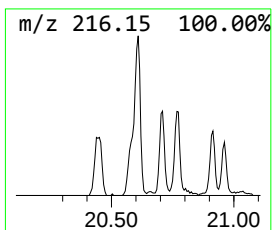
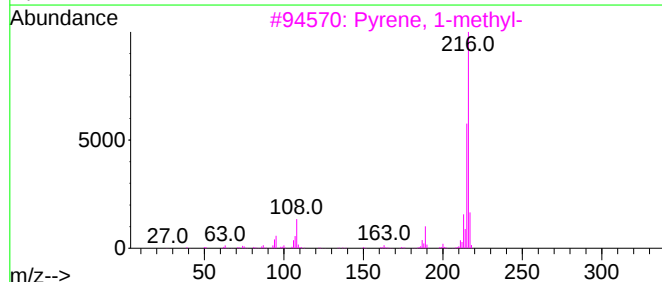
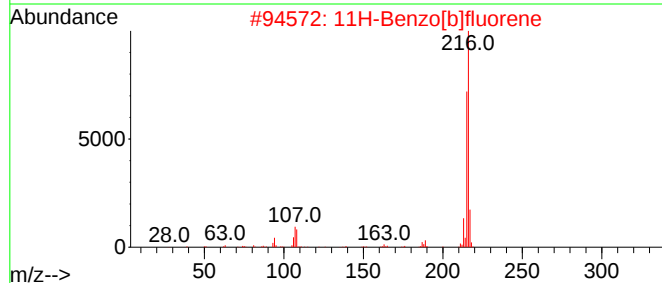
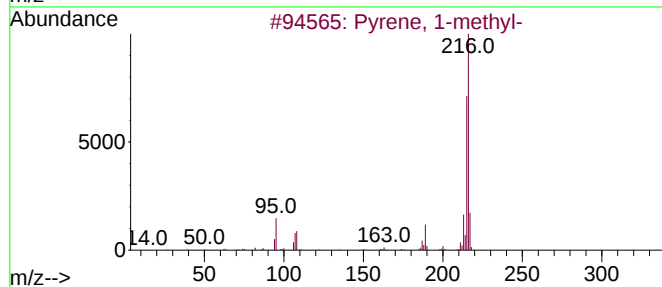
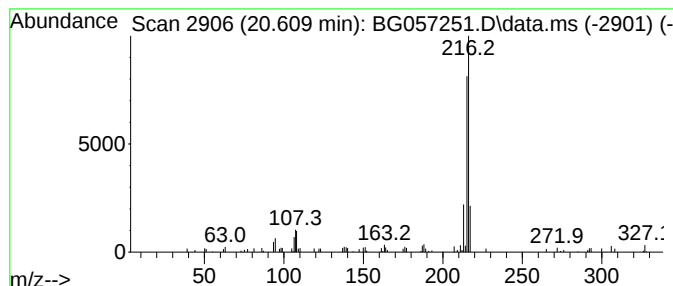
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.609	2.05 ng/ul	86974	Chrysene-d12	22.048

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
Sample : 02418-28DL 10X
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ALS Vial : 7 Sample Multiplier: 1

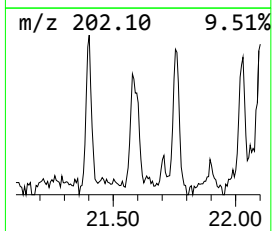
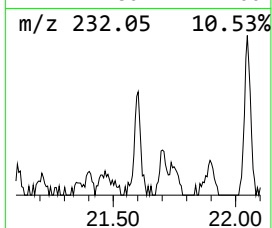
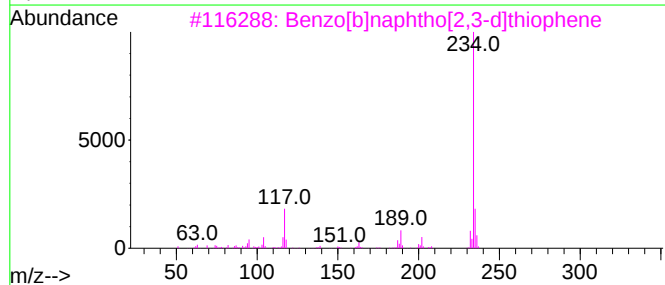
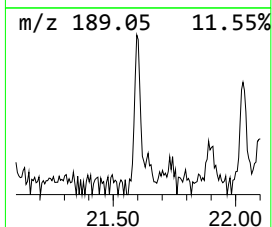
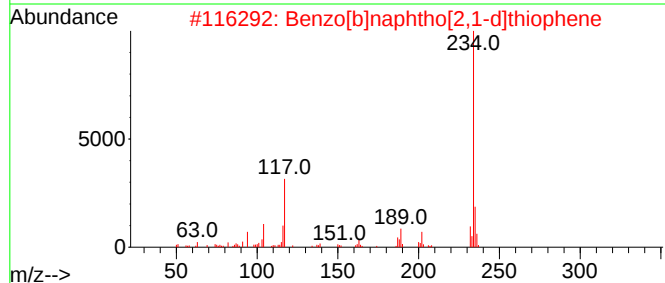
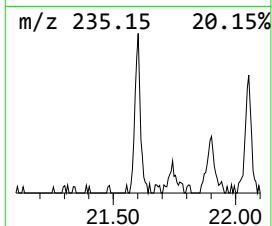
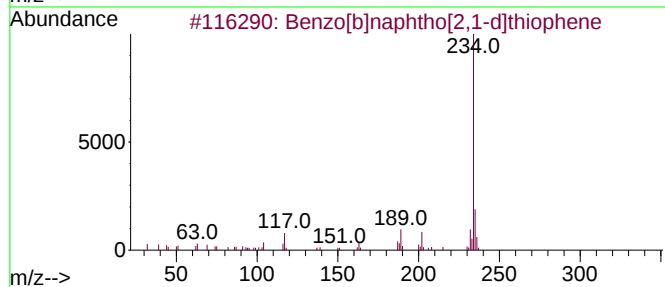
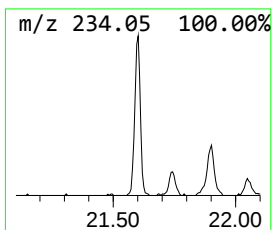
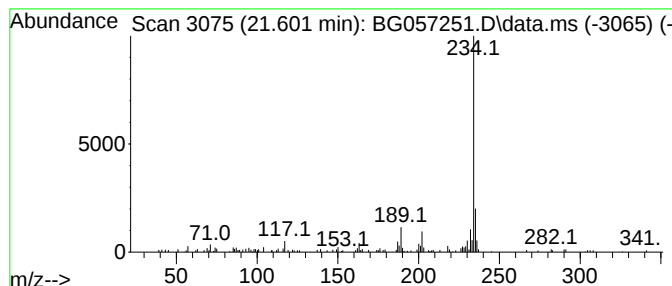
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.602	2.95 ng/ul	125241	Chrysene-d12	22.048	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
Sample : 02418-28DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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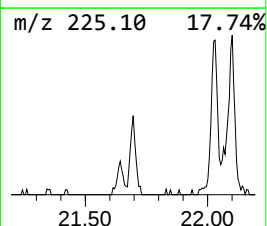
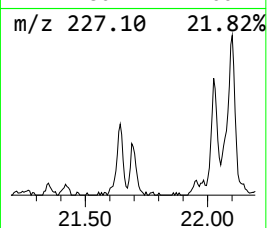
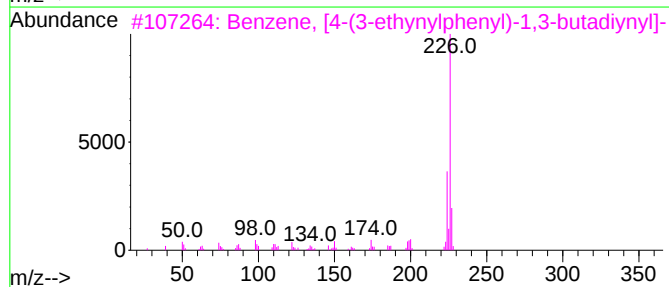
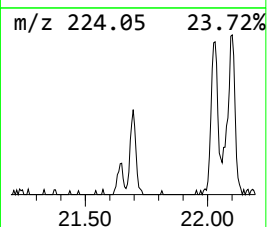
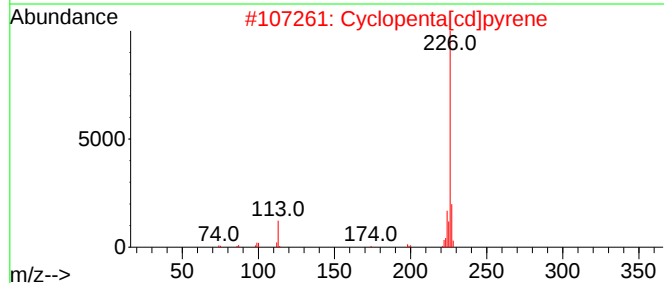
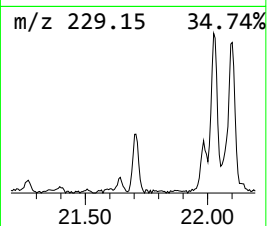
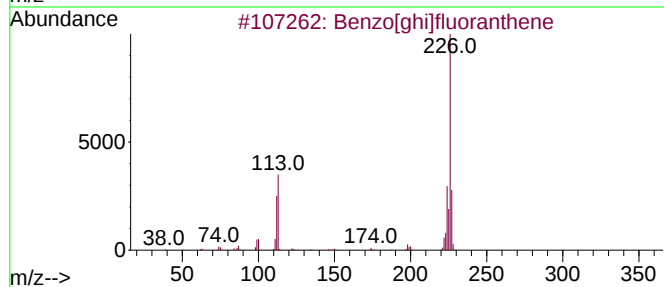
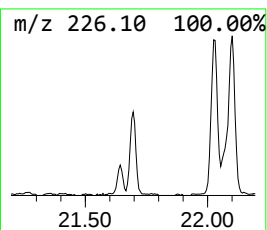
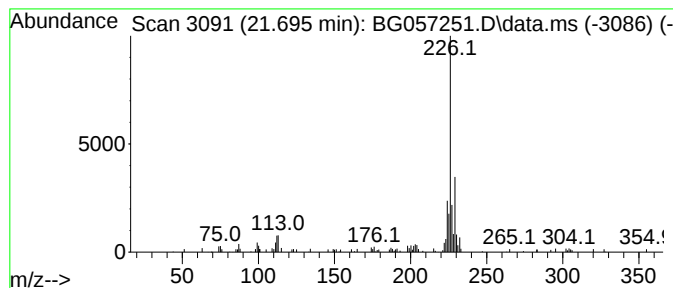
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[ghi]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.695	2.69 ng/ul	114298	Chrysene-d12	22.048

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
2			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
3			Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
4			1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
5			.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
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Misc :
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ClientSampleId :
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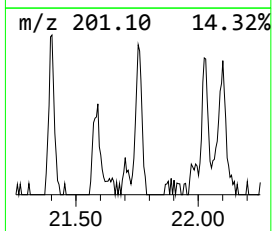
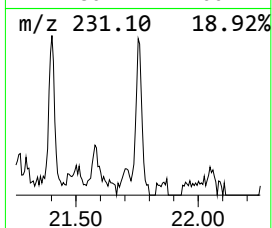
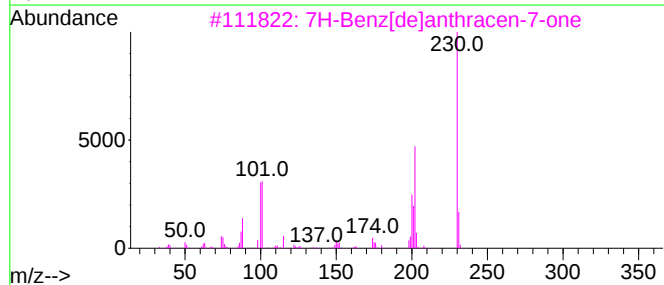
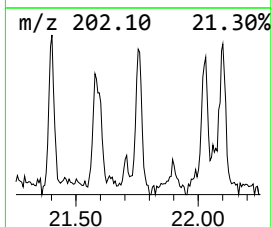
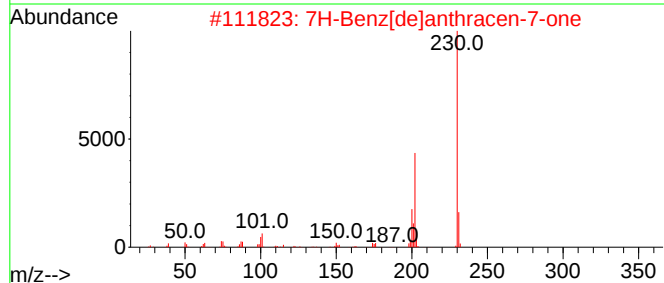
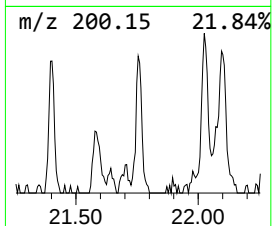
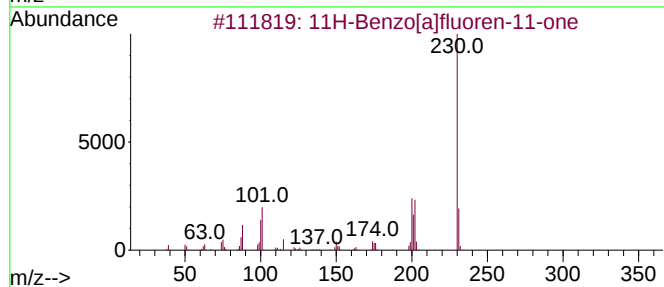
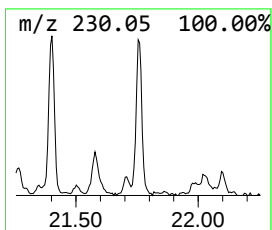
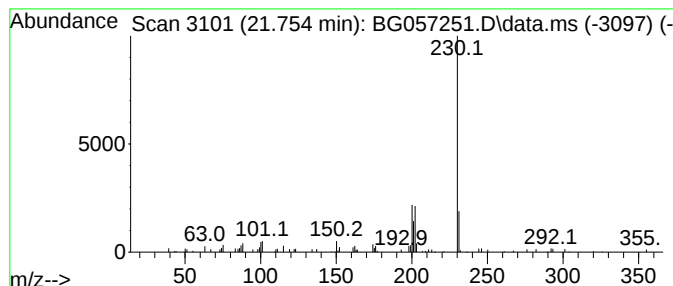
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.754	2.05 ng/ul	87257	Chrysene-d12	22.048

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
5			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
Sample : 02418-28DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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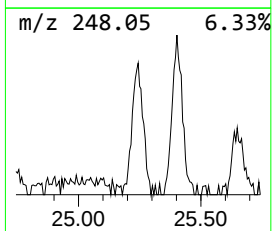
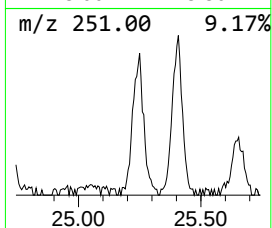
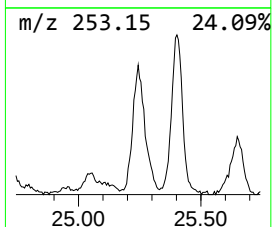
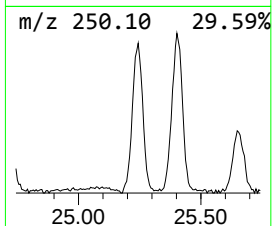
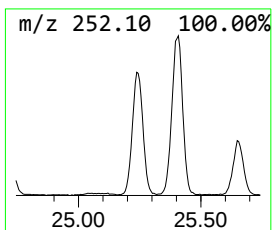
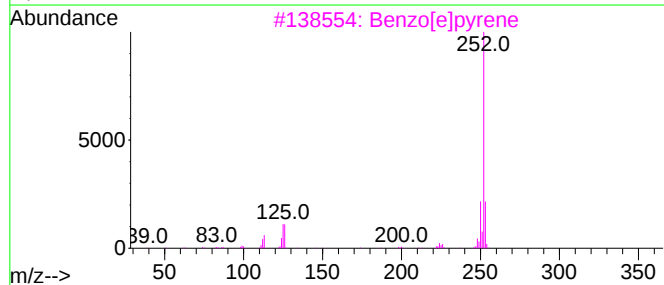
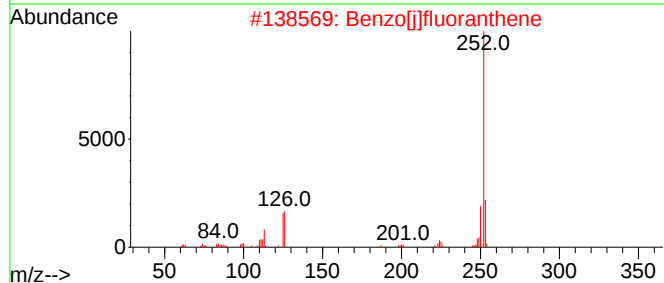
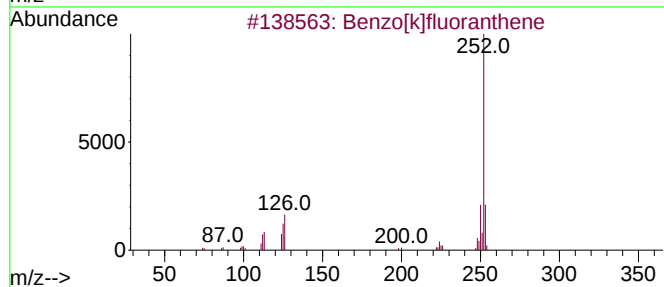
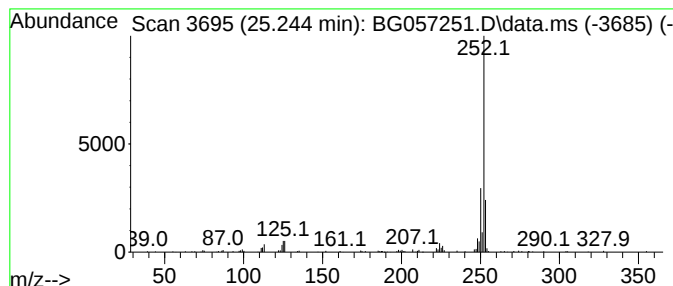
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.244	21.63 ng/ul	287229	Perylene-d12	25.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3			Benzo[e]pyrene	252	C20H12	000192-97-2	91
4			Perylene	252	C20H12	000198-55-0	90
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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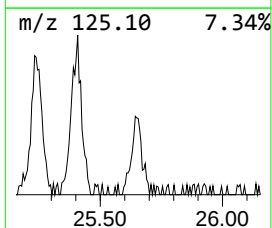
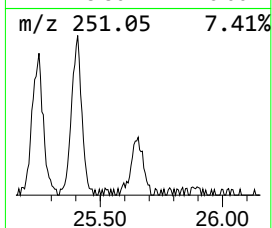
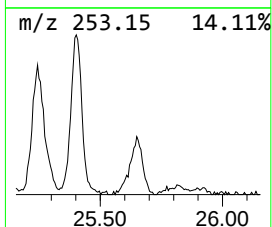
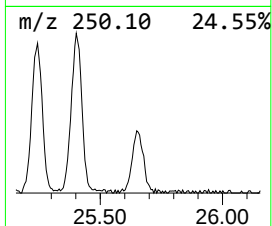
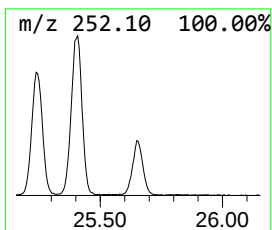
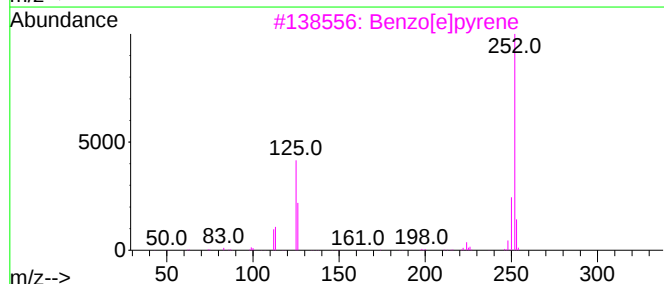
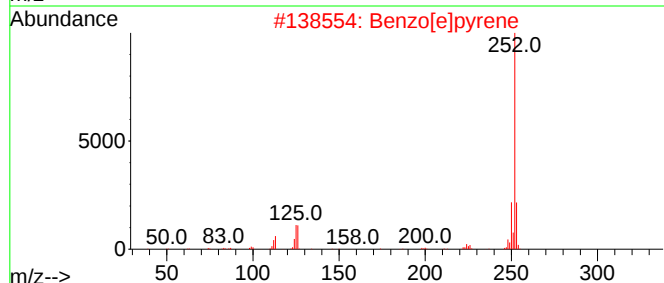
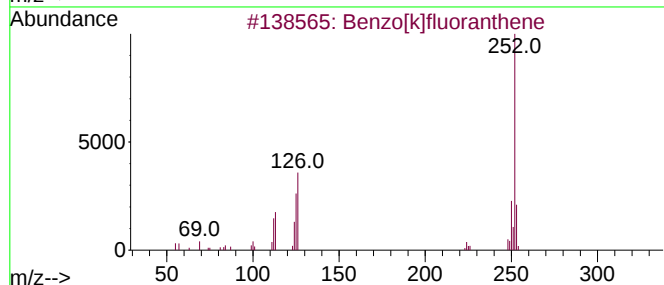
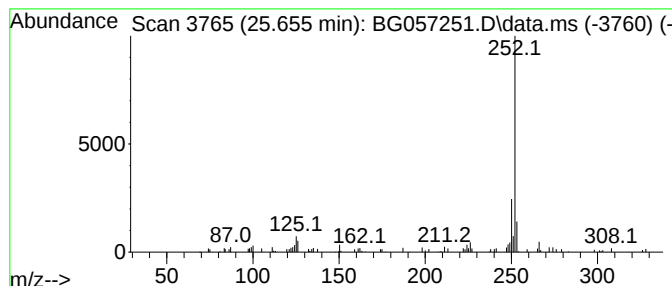
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.655	10.69 ng/ul	141949	Perylene-d12	25.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	68
2			Benzo[e]pyrene	252	C20H12	000192-97-2	68
3			Benzo[e]pyrene	252	C20H12	000192-97-2	58
4			Benzo[a]pyrene	252	C20H12	000050-32-8	53
5			4H-1-Benzopyran-4-one, 8-methoxy...	252	C16H12O3	026964-26-1	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
Acq On : 1 May 2023 14:02
Operator : CG/JU
Sample : 02418-28DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST0.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[d...	18.799	4.7	ng/u1	71037	4	17.736	302335	20.0
Cyclopenta(def)...	19.645	3.1	ng/u1	46645	4	17.736	302335	20.0
Pyrene, 1-methyl-	20.609	2.0	ng/u1	86974	5	22.048	849396	20.0
Benzo[b]naphtho...	21.602	3.0	ng/u1	125241	5	22.048	849396	20.0
Benzo[ghi]fluor...	21.695	2.7	ng/u1	114298	5	22.048	849396	20.0
11H-Benzo[a]flu...	21.754	2.0	ng/u1	87257	5	22.048	849396	20.0
Benzo[j]fluoran...	25.244	21.6	ng/u1	287229	6	25.573	265580	20.0
Benzo[e]pyrene	25.655	10.7	ng/u1	141949	6	25.573	265580	20.0