LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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: BG057248.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.521	672	678	683	rBV2	5950	10787	0.73%	0.074%
2	7.686	701	706	713	rVB3	5395	9153	0.62%	0.063%
3	7.909	739	744	752	rVB	6574	10190	0.69%	0.070%
4	8.379	818	824	831	rBV	57327	94202	6.37%	0.650%
5	9.084	938	944	950	rVB2	7183	10617	0.72%	0.073%
6	9.560	1018	1025	1033	rBV	7045	13628	0.92%	0.094%
7	10.840	1238	1243	1250	rBV3	7488	13637	0.92%	0.094%
8	11.222	1301	1308	1314	rBV	81726	142280	9.62%	0.981%
9	14.377	1840	1845	1851	rBV	22541	30923	2.09%	0.213%
10	14.694	1893	1899	1904	rBV	24388	36892	2.49%	0.254%
11	14.994	1944	1950	1956	rVV	144612	216559	14.64%	1.493%
12	15.058	1956	1961	1967	rVB	7670	11035	0.75%	0.076%
13	15.980	2113	2118	2122	rBV	31897	45713	3.09%	0.315%
14	16.033	2122	2127	2135	rVB2	11966	17534	1.19%	0.121%
15	16.327	2171	2177	2182	rVB2	16635	25109	1.70%	0.173%
16	17.384	2351	2357	2363	rBV4	5896	9650	0.65%	0.067%
17	17.731	2410	2416	2420	rBV	172742	269712	18.23%	1.860%
18	17.778	2420	2424	2429	rVV	206535	310462	20.98%	2.141%
19	17.831	2429	2433	2436	rVV2	35154	54852	3.71%	0.378%
20	17.866	2436	2439	2447	rVV	47509	69883	4.72%	0.482%
21	18.131	2477	2484	2490	rVV3	11202	21275	1.44%	0.147%
22	18.242	2499	2503	2509	rVV	7370	10527	0.71%	0.073%
23	18.600	2556	2564	2568	rBV	32779	52401	3.54%	0.361%
24	18.647	2568	2572	2579	rVB	47076	66098	4.47%	0.456%
25	18.730	2579	2586	2591	rBV	15204	22378	1.51%	0.154%
26	18.800	2591	2598	2602	rBV3	73989	142273	9.62%	0.981%
27	19.082	2642	2646	2651	rBV	32313	46775	3.16%	0.323%
28	19.135	2651	2655	2662	rVB	18894	26982	1.82%	0.186%
29	19.329	2684	2688	2691	rVB3	8047	9892	0.67%	0.068%
30	19.411	2699	2702	2707	rVB4	7927	10702	0.72%	0.074%
31	19.499	2709	2717	2720	rBV2	18746	33098	2.24%	0.228%
32	19.564	2722	2728	2730	rBV4	9148	15828	1.07%	0.109%
33	19.652	2737	2743	2748	rBV	43838	72451	4.90%	0.500%
34	19.769	2755	2763	2769	rBV	1064651	1479468	100.00%	10.201%
35	19.858	2774	2778	2782	rVB3	13503	19927	1.35%	0.137%
36	20.010	2797	2804	2812	rVB2	27036	52306	3.54%	0.361%

LSC Area Percent Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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

37	20.093	2812	2818	2820	rBV2	163708	263095	17.78%	1.814%
38	20.128	2820	2824	2830	rVV	819508	1199112	81.05%	8.268%
39	20.187	2830	2834	2839	rVB	30530	42367	2.86%	0.292%
40	20.292	2847	2852	2857	rBV	42043	61466	4.15%	0.424%
41	20.363	2857	2864	2870	rVB	29797	51171	3.46%	0.353%
42	20.433	2870	2876	2883	rBV3	50329	115230	7.79%	0.795%
43	20.498	2883	2887	2892	rVB	9466	14779	1.00%	0.102%
44	20.604	2892	2905	2910	rBV	98504	221679	14.98%	1.529%
45	20.703	2917	2922	2926	rBV	53078	82625	5.58%	0.570%
46	20.768	2926	2933	2936	rVV3	57285	115873	7.83%	0.799%
47	20.803	2936	2939	2943	rVV	36010	51661	3.49%	0.356%
48	20.839	2943	2945	2951	rVB6	11513	19120	1.29%	0.132%
49	20.915	2953	2958	2961	rVV	38416	60392	4.08%	0.416%
50	20.956	2962	2965	2972	rVB	36969	59047	3.99%	0.407%
51	21.044	2977	2980	2983	rVV5	8055	12014	0.81%	0.083%
52	21.074	2983	2985	2989	rVB4	9259	12091	0.82%	0.083%
53	21.173	2997	3002	3005	rBV6	6962	14263	0.96%	0.098%
54	21.215	3007	3009	3012	rVV4	9422	11754	0.79%	0.081%
55	21.267	3014	3018	3021	rVB2	12546	19541	1.32%	0.135%
56	21.344	3028	3031	3035	rBV5	7640	12336	0.83%	0.085%
57	21.397	3035	3040	3048	rVB	76910	126783	8.57%	0.874%
58	21.596	3065	3074	3078	rBV3	106808	215089	14.54%	1.483%
59	21.643	3078	3082	3086	rVV	64585	103152	6.97%	0.711%
60	21.696	3086	3091	3096	rVV2	93159	171360	11.58%	1.182%
61	21.755	3096	3101	3110	rVB2	78165	150492	10.17%	1.038%
62	21.896	3116	3125	3130	rBV	29229	63634	4.30%	0.439%
63	22.031	3135	3148	3155	rBV3	486597	1274349	86.14%	8.787%
64	22.102	3155	3160	3172	rVB	423861	795739	53.79%	5.487%
65	22.207	3172	3178	3181	rVB8	7898	14002	0.95%	0.097%
66	22.266	3182	3188	3195	rBV	77435	136839	9.25%	0.944%
67	22.342	3195	3201	3204	rBV3	18824	35889	2.43%	0.247%
68	22.413	3210	3213	3218	rVB	24660	40542	2.74%	0.280%
69	22.483	3220	3225	3233	rVV2	65914	126540	8.55%	0.873%
70	22.554	3233	3237	3248	rVB7	17457	48569	3.28%	0.335%
71	22.748	3266	3270	3273	rVB3	8052	11975	0.81%	0.083%
72	22.830	3275	3284	3290	rVV2	49240	118604	8.02%	0.818%
73	22.906	3293	3297	3305	rVB2	25473	52629	3.56%	0.363%
74	23.006	3309	3314	3319	rBV4	14952	28924	1.96%	0.199%
75	23.065	3321	3324	3330	rVB4	13942	25023	1.69%	0.173%
76	23.135	3330	3336	3341	rBV2	36732	90015	6.08%	0.621%

LSC Area Percent Report

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Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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

77	23.182	3341	3344	3353	rVB2	28817	61762	4.17%	0.426%
78	23.282	3353	3361	3369	rVB2	24814	60395	4.08%	0.416%
79	23.588	3403	3413	3420	rBV2	18772	69620	4.71%	0.480%
80	24.028	3479	3488	3496	rVV3	24140	86130	5.82%	0.594%
81	24.305	3529	3535	3543	rVB2	11521	30063	2.03%	0.207%
82	24.451	3548	3560	3567	rBV	364079	1249703	84.47%	8.617%
83	24.722	3599	3606	3617	rVB	45667	119385	8.07%	0.823%
84	24.957	3637	3646	3650	rBV6	18302	58213	3.93%	0.401%
85	25.244	3684	3695	3705	rBV2	182945	572538	38.70%	3.948%
86	25.409	3712	3723	3735	rVB	250836	728463	49.24%	5.023%
87	25.573	3741	3751	3758	rBV	87405	268885	18.17%	1.854%
88	25.656	3758	3765	3780	rVB2	87339	284064	19.20%	1.959%
89	26.419	3889	3895	3904	rVB2	6850	25485	1.72%	0.176%
90	26.731	3941	3948	3949	rBV7	11392	21942	1.48%	0.151%
91	26.866	3963	3971	3972	rBV6	5520	10766	0.73%	0.074%
92	27.077	4002	4007	4008	rBV5	11686	17050	1.15%	0.118%
93	28.370	4222	4227	4228	rBV5	6912	10468	0.71%	0.072%
94	29.104	4344	4352	4359	rBV2	17471	59080	3.99%	0.407%
95	29.638	4429	4443	4467	rVB3	119961	634493	42.89%	4.375%
96	29.862	4475	4481	4482	rBV6	7010	9971	0.67%	0.069%
97	30.150	4520	4530	4532	rBV5	15290	40507	2.74%	0.279%
98	30.320	4549	4559	4561	rBV10	14799	38170	2.58%	0.263%
99	30.919	4641	4661	4676	rBV	76137	411032	27.78%	2.834%
100	31.595	4766	4776	4791	rVB5	16212	79649	5.38%	0.549%

Sum of corrected areas: 14502798

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
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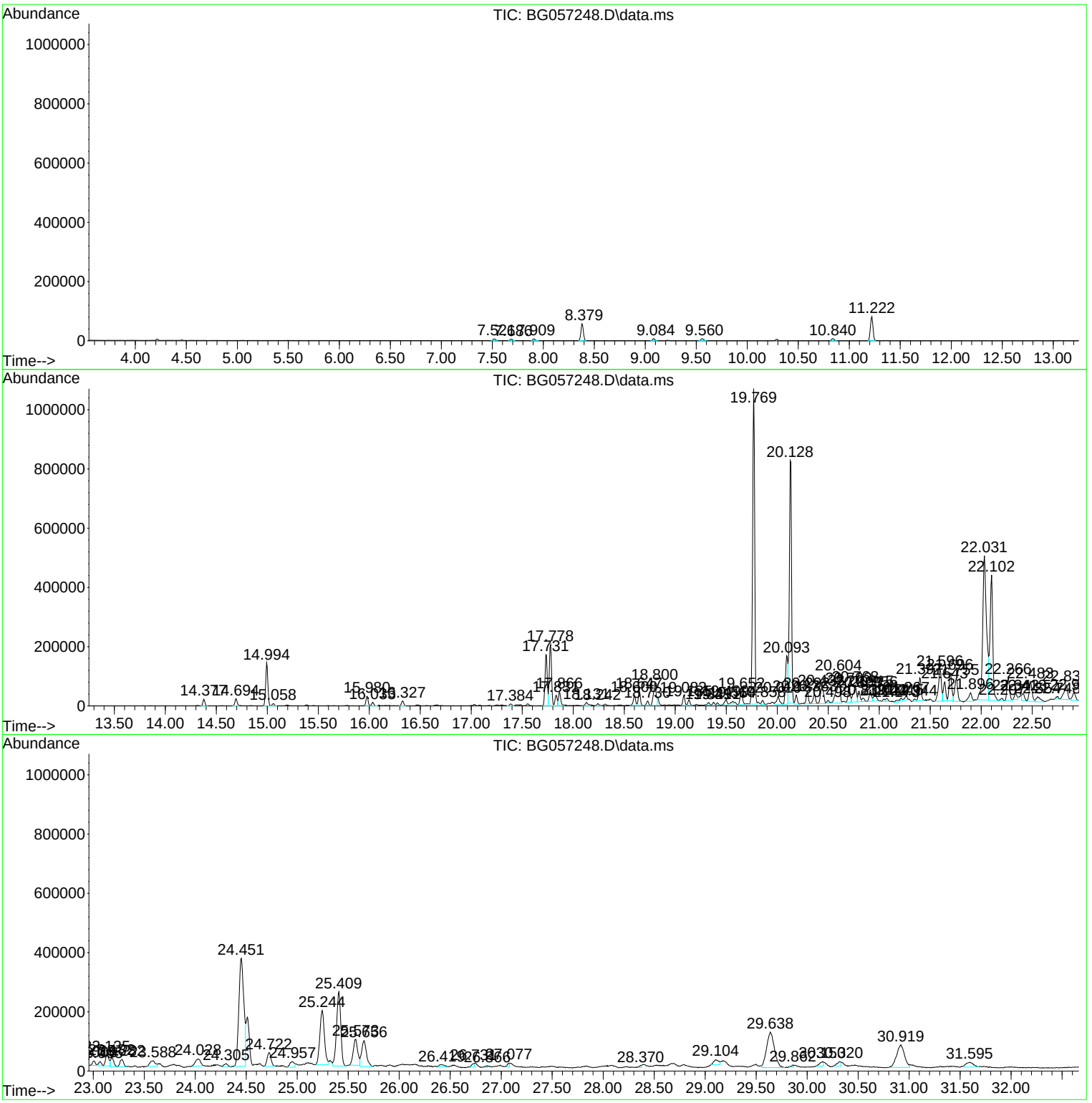
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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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

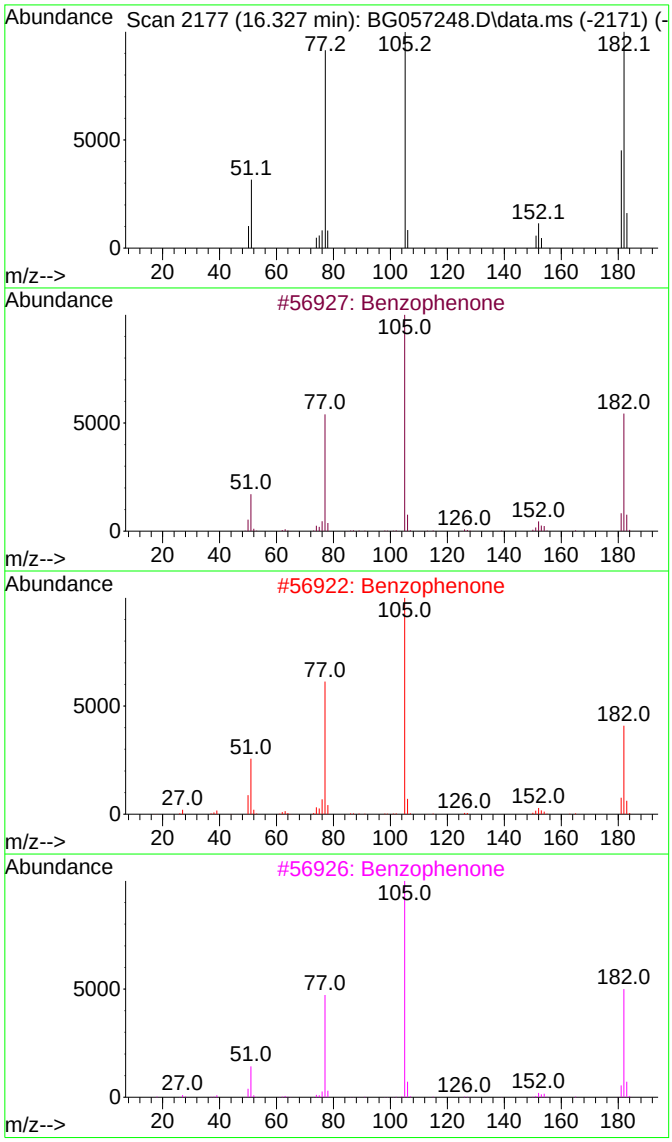
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

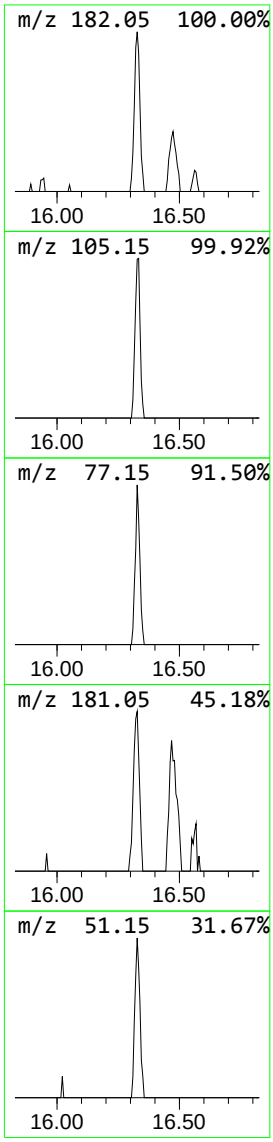
****

Peak Number 1 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.327	2.32 ng/ul	25109	Acenaphthene-d10	14.994

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Benzophenone	182	C13H10O	000119-61-9	72
3	Benzophenone	182	C13H10O	000119-61-9	64
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
5	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

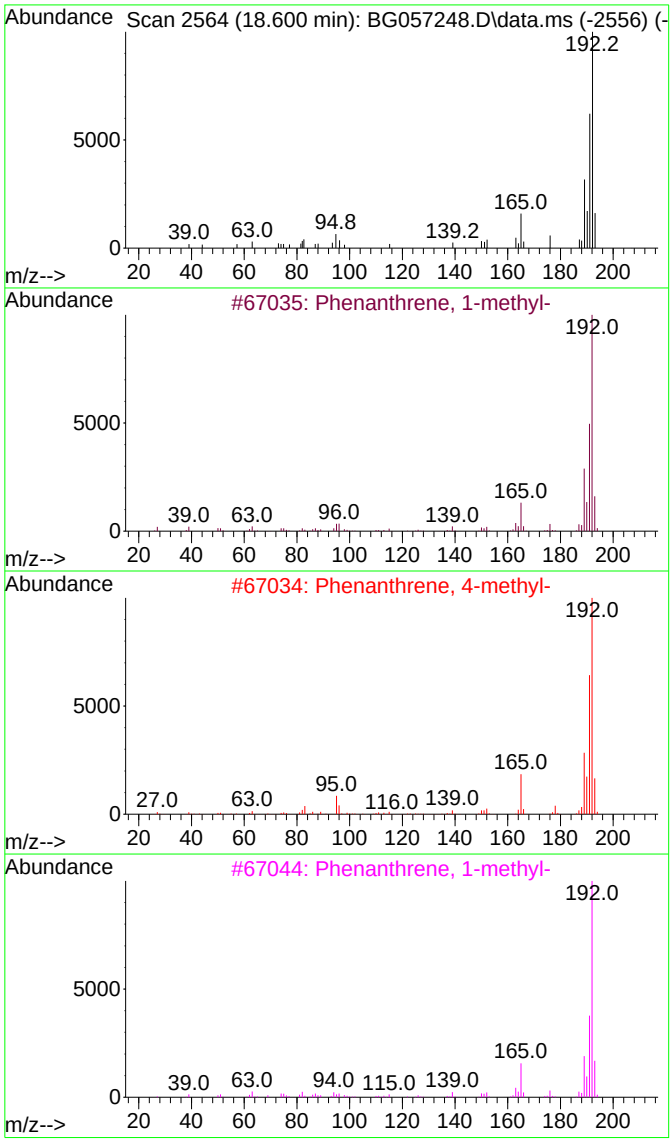
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

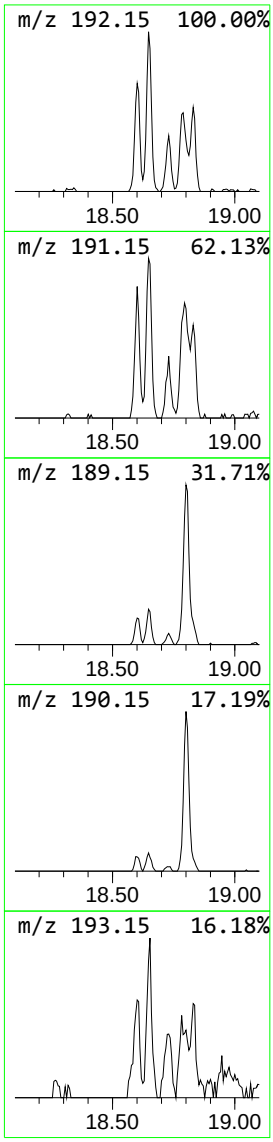
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.601	3.89 ng/ul	52401	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
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ALS Vial : 4 Sample Multiplier: 1

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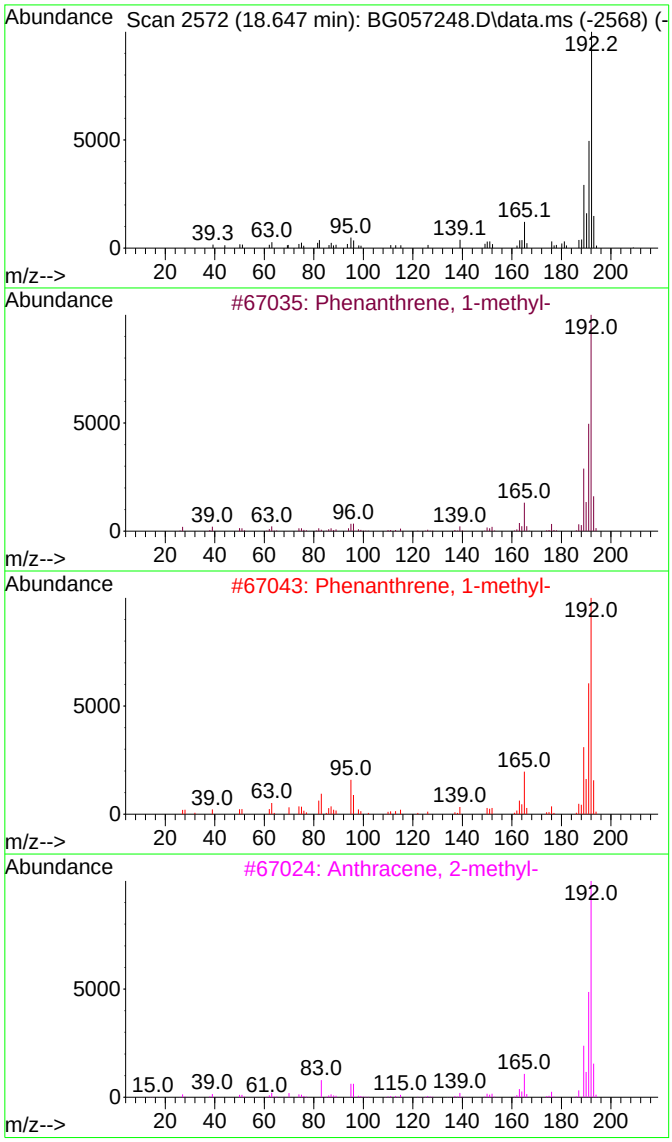
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

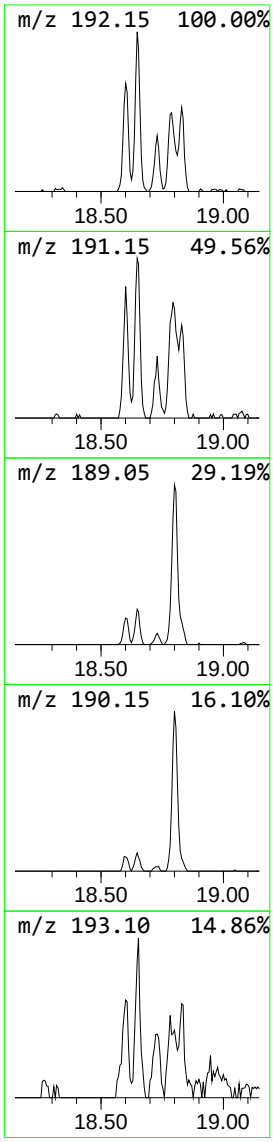
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.647	4.90 ng/ul	66098	Phenanthrene-d10	17.731

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





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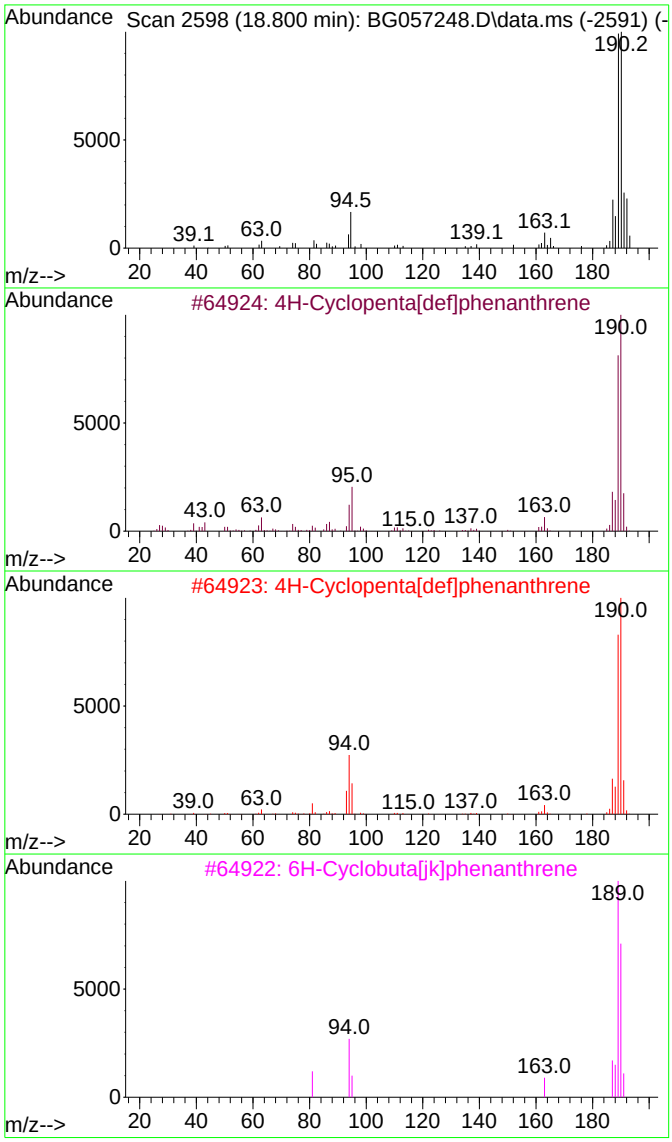
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

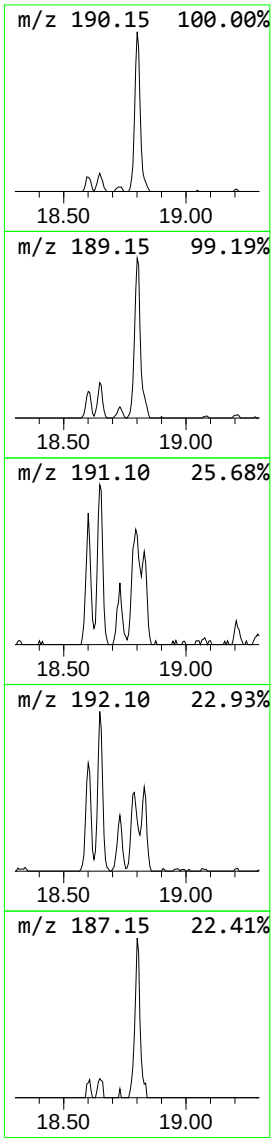
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.800	10.55 ng/ul	142273	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

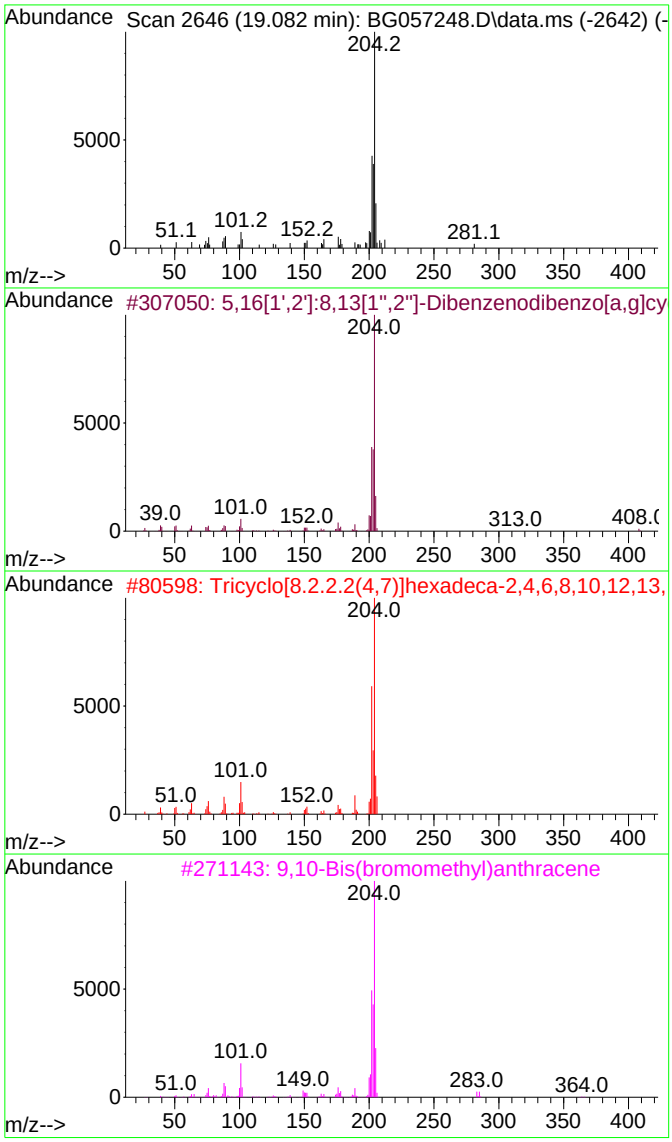
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

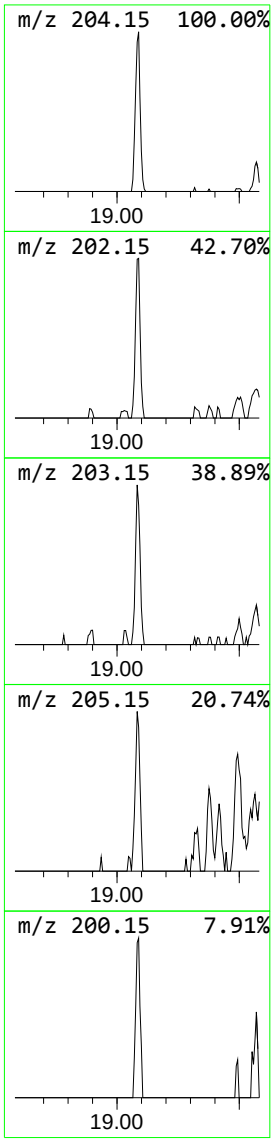
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.082	3.47 ng/ul	46775	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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

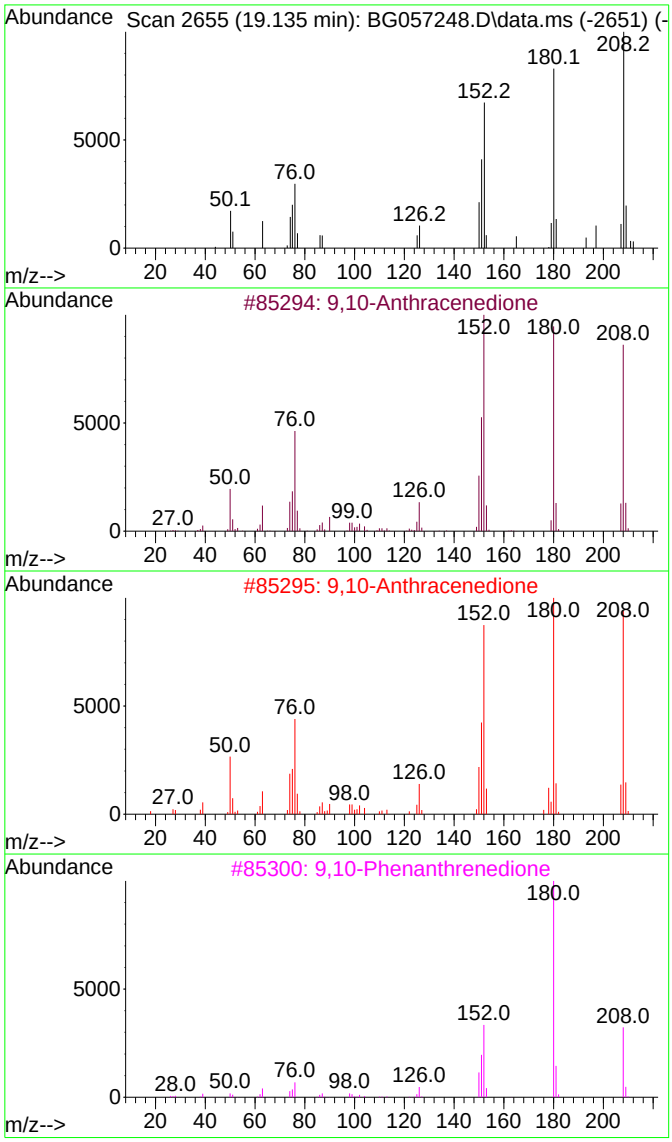
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

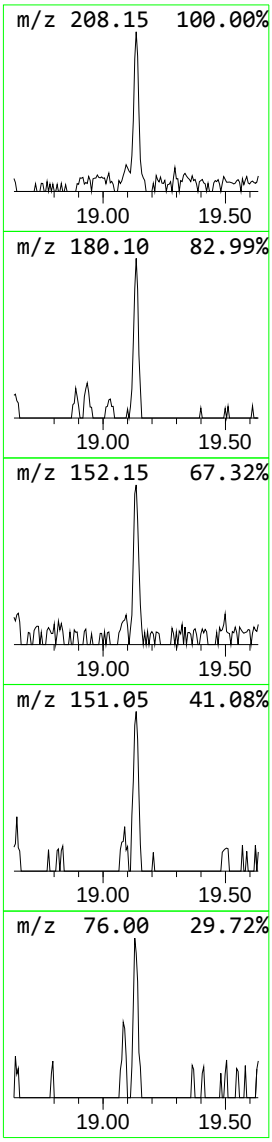
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.135	2.00 ng/ul	26982	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81





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Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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

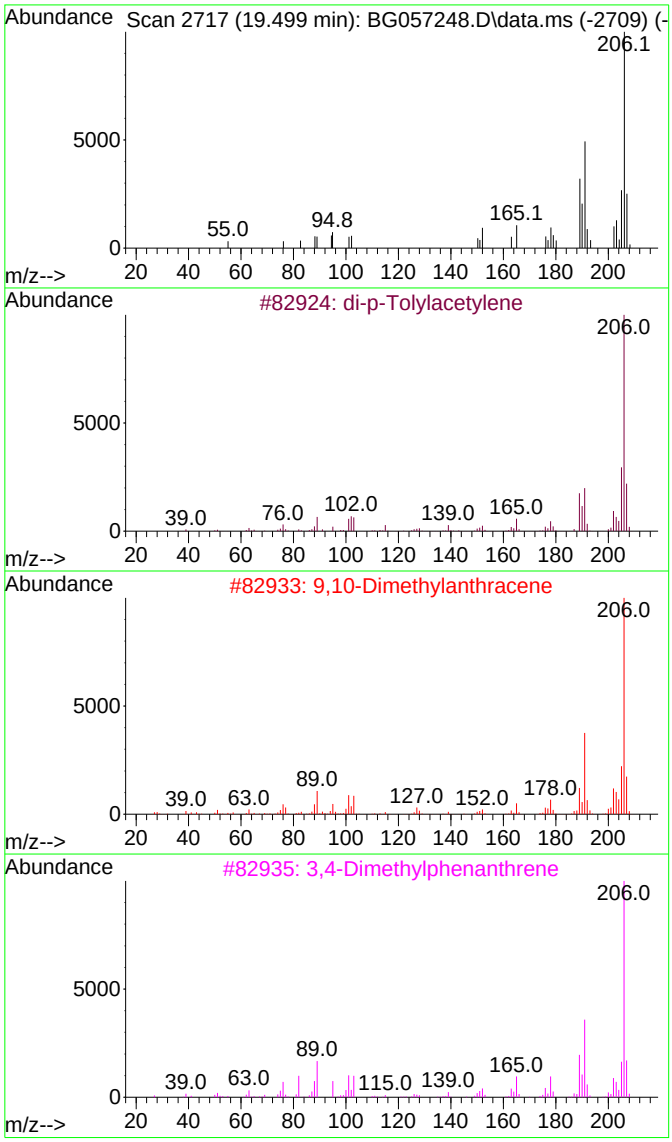
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

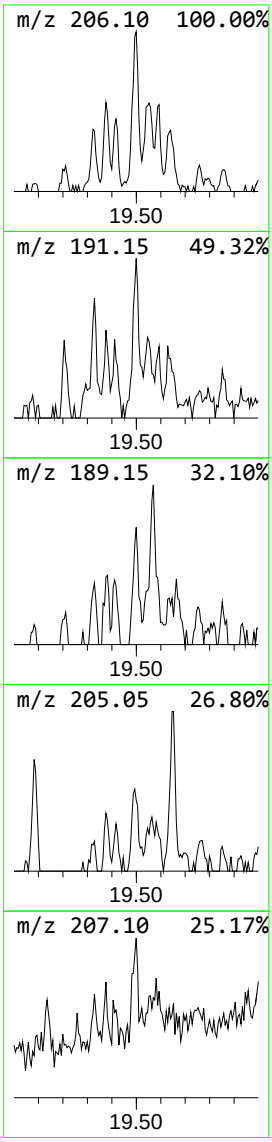
****

Peak Number 7 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.499	2.45 ng/ul	33098	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

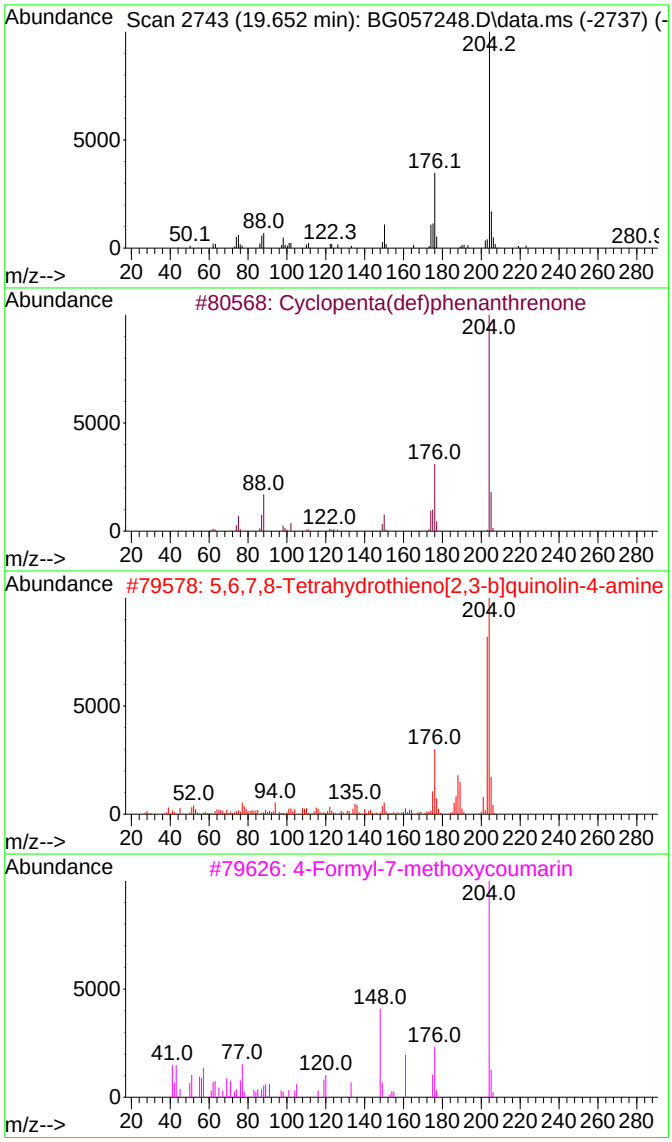
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

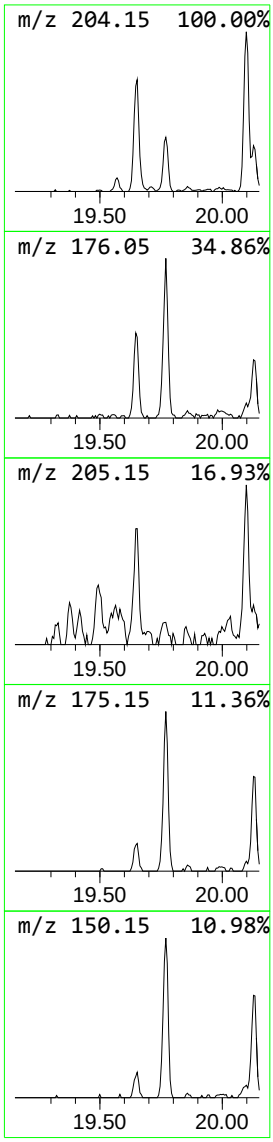
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.652	5.37 ng/ul	72451	Phenanthrene-d10	17.731

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	64
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	50





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Acq On : 1 May 2023 12:01
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Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

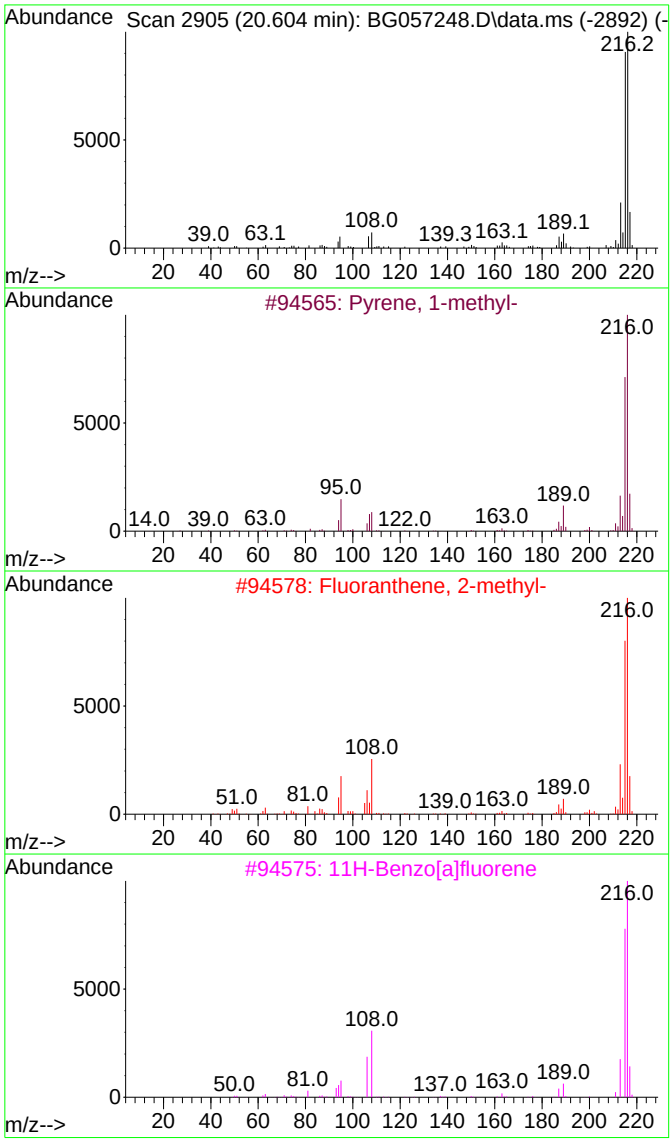
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

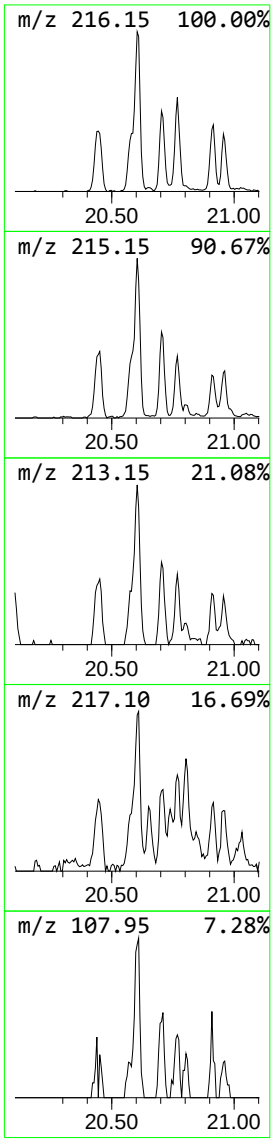
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.604	3.48 ng/ul	221679	Chrysene-d12	22.049

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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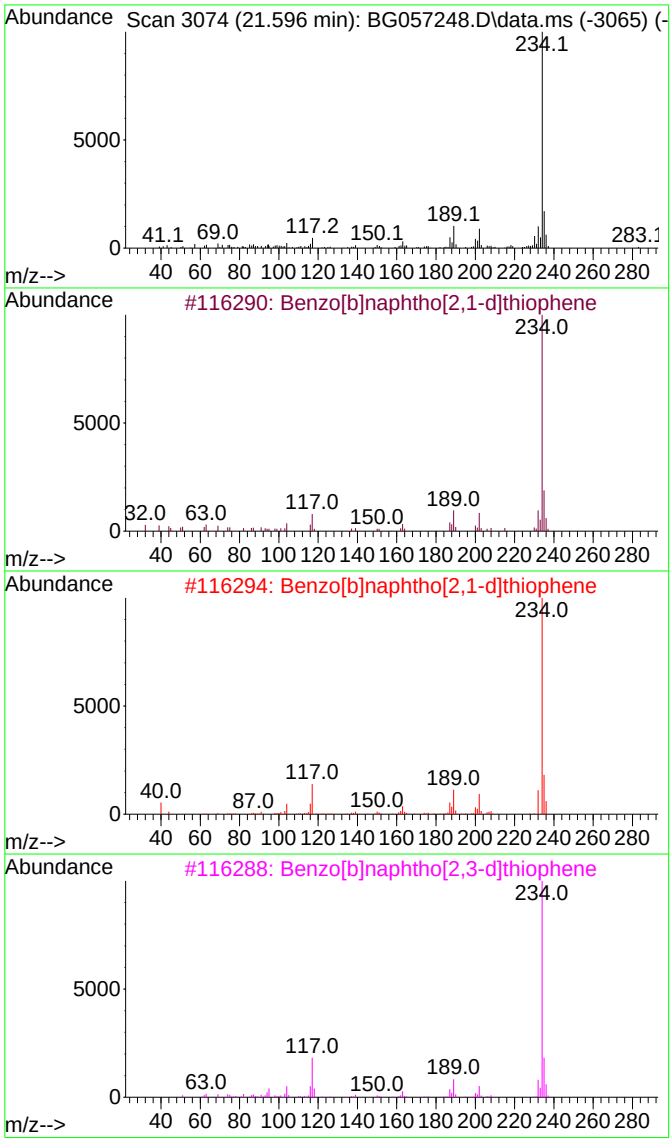
Quant Title : SVOA CALIBRATION

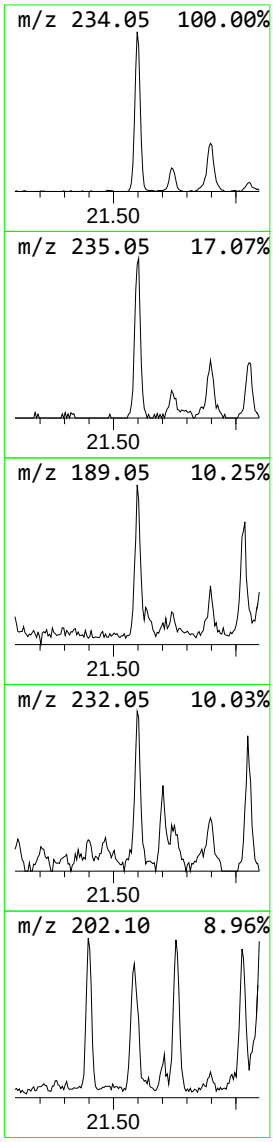
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.596	3.38 ng/ul	215089	Chrysene-d12	22.049

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Acq On : 1 May 2023 12:01
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Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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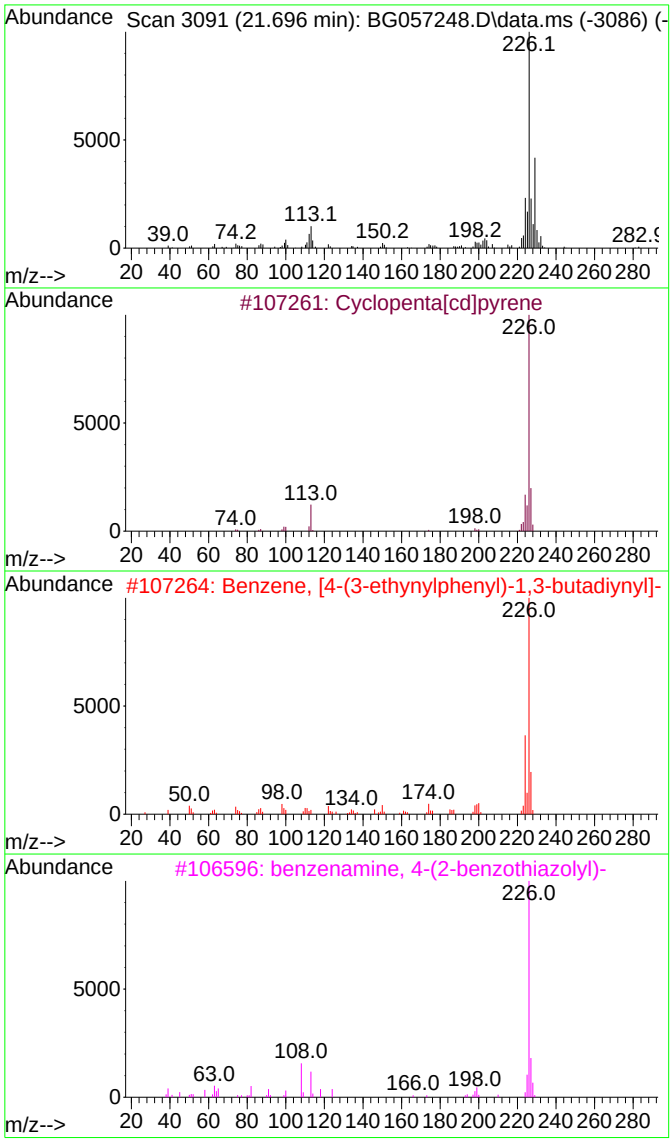
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

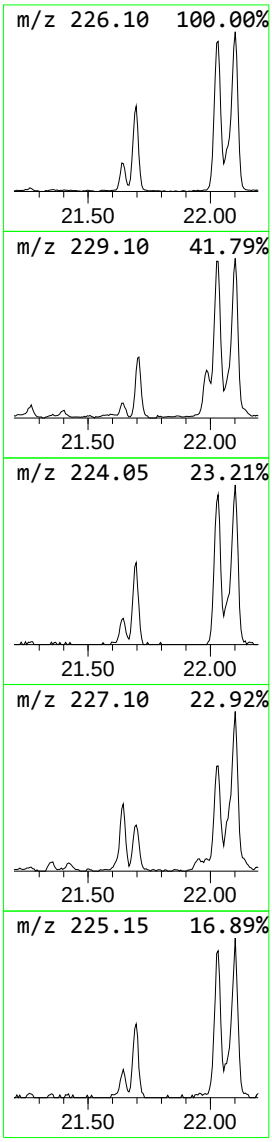
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.696	2.69 ng/ul	171360	Chrysene-d12	22.049

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	49
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	46
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46





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Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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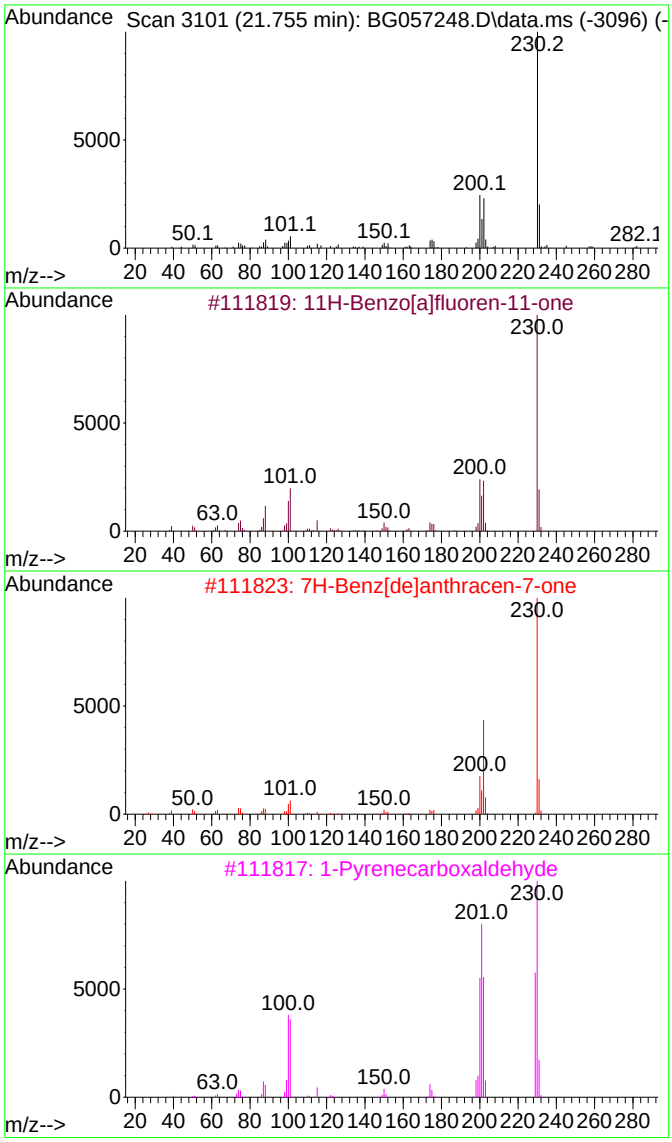
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

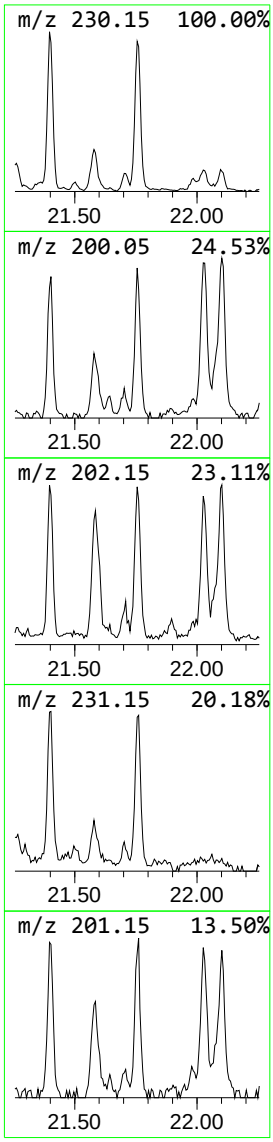
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.755	2.36 ng/ul	150492	Chrysene-d12	22.049

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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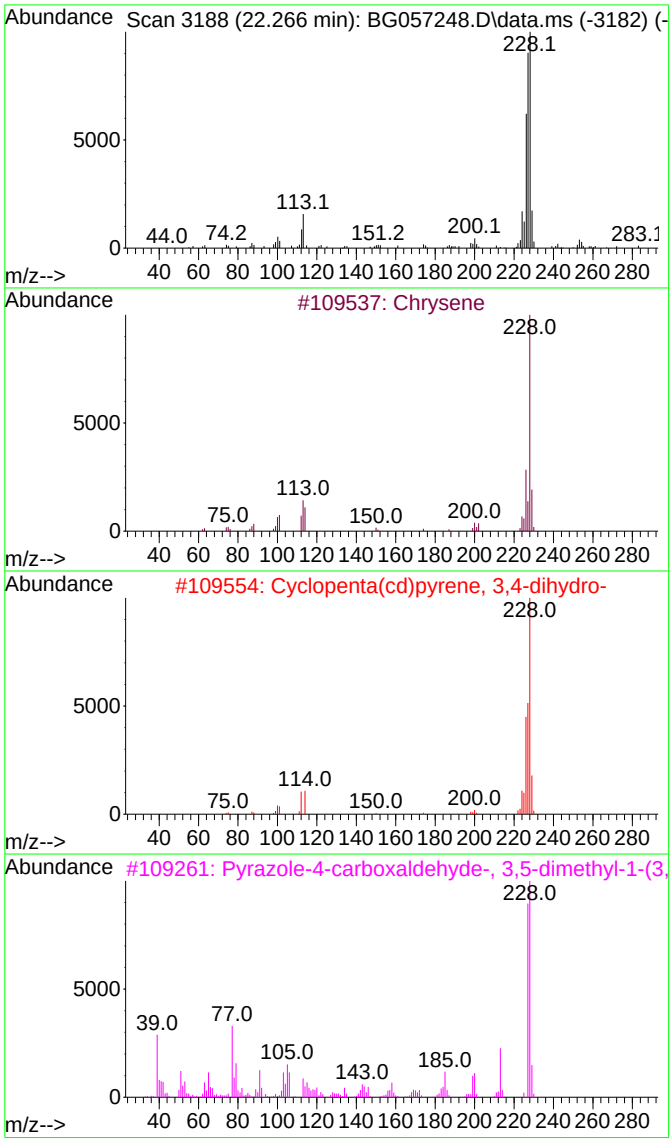
Quant Title : SVOA CALIBRATION

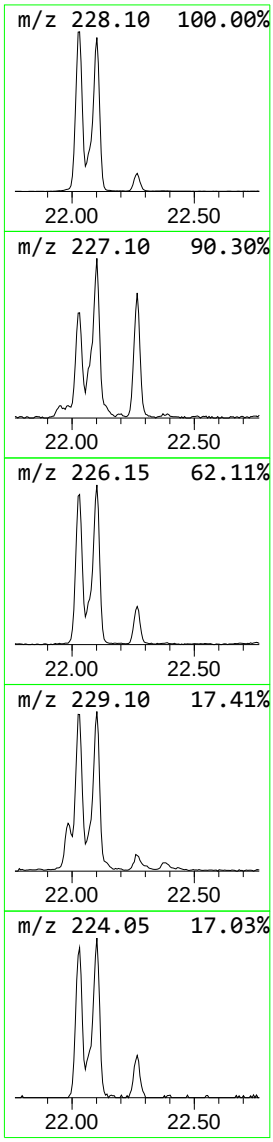
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.266	2.15 ng/ul	136839	Chrysene-d12	22.049

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene	228	C18H12	000218-01-9	60
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
5	Chrysene	228	C18H12	000218-01-9	46





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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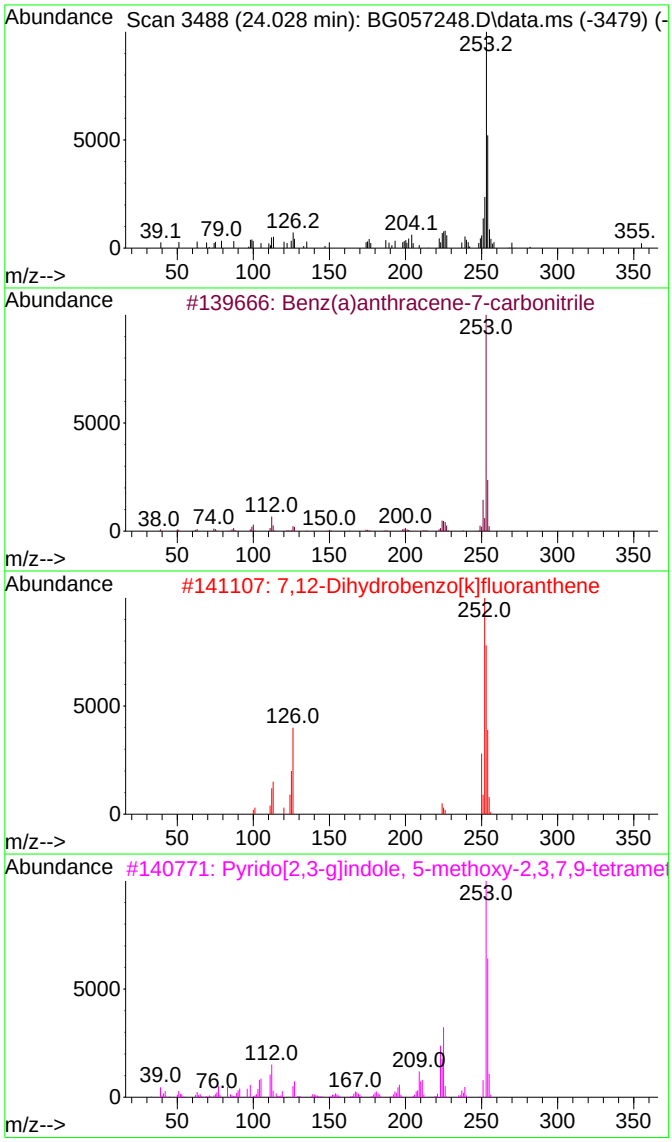
Quant Title : SVOA CALIBRATION

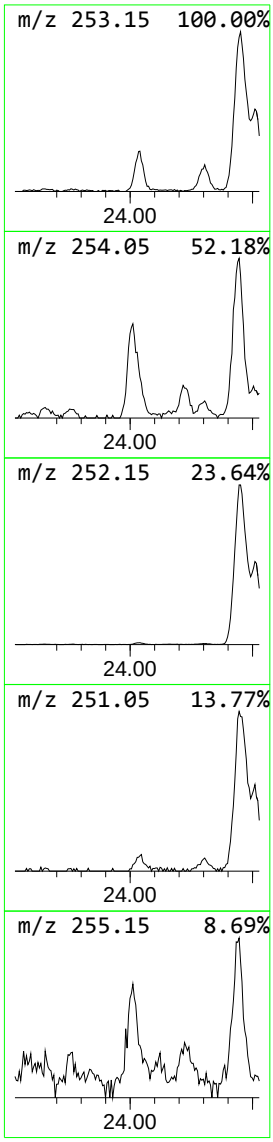
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.028	6.41 ng/ul	86130	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58
4	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	53
5	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	50





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Quant Title : SVOA CALIBRATION

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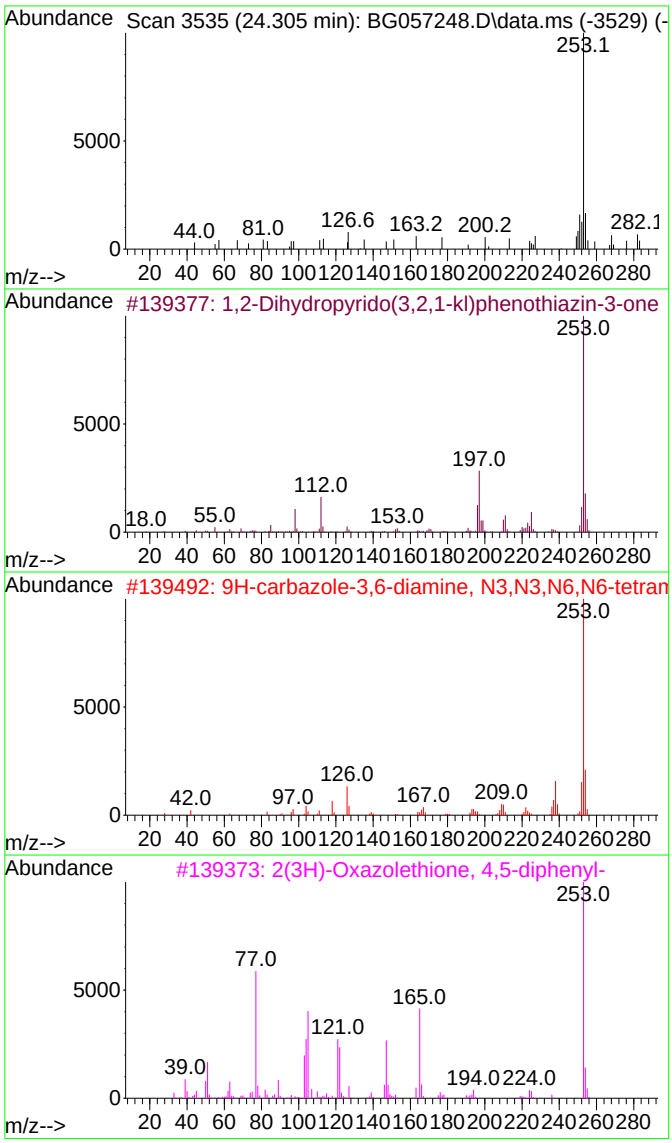
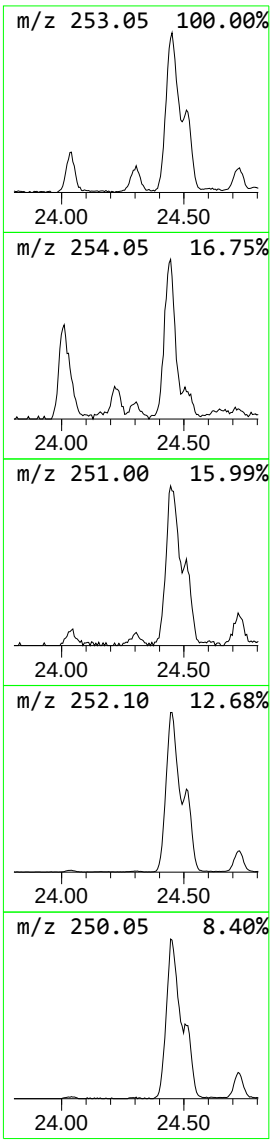
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,2-Dihydropyrido(3,2,1-kl)... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.305	2.24 ng/ul	30063	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	59
2	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	58
3	2(3H)-Oxazolethione, 4,5-diphenyl-	253	C15H11NOS	006670-13-9	52
4	2-Phenoxy-5-(trifluoromethyl)ben...	253	C13H10F3NO	050594-29-1	45
5	2-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-3	42





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Quant Title : SVOA CALIBRATION

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

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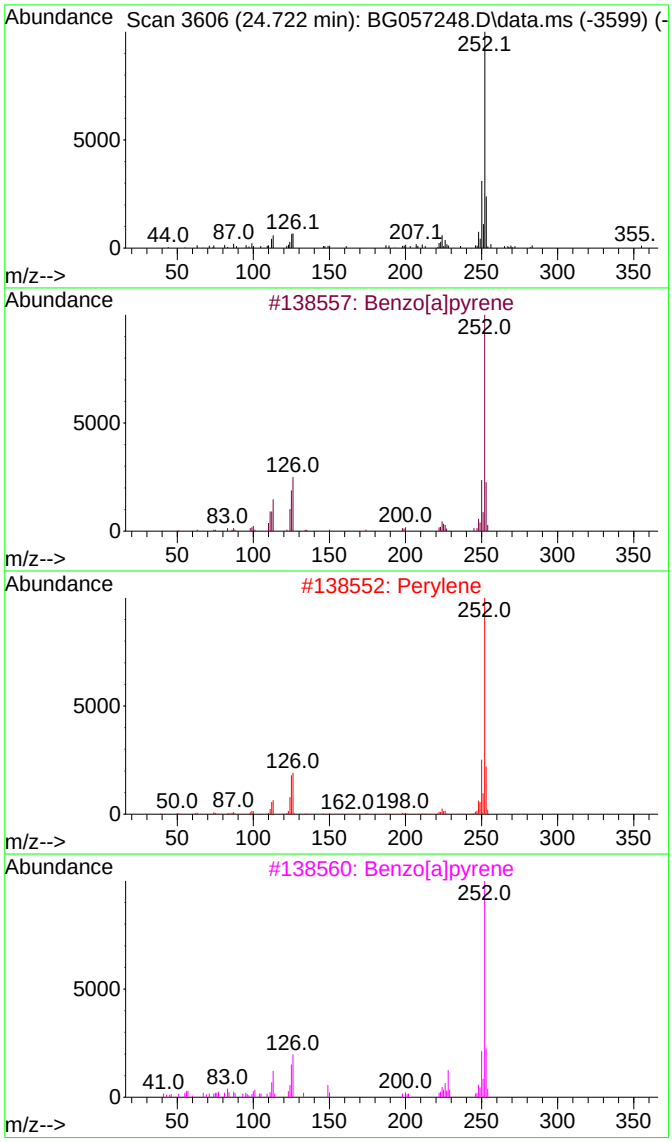
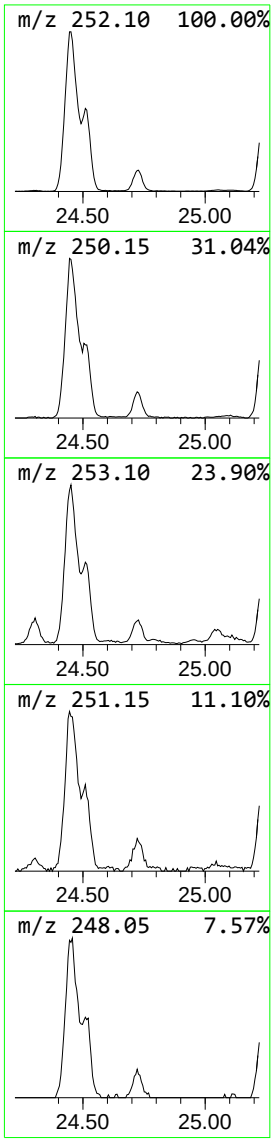
Peak Number 16 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.722	8.88 ng/ul	119385	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	90
2	Perylene	252	C20H12	000198-55-0	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	76
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

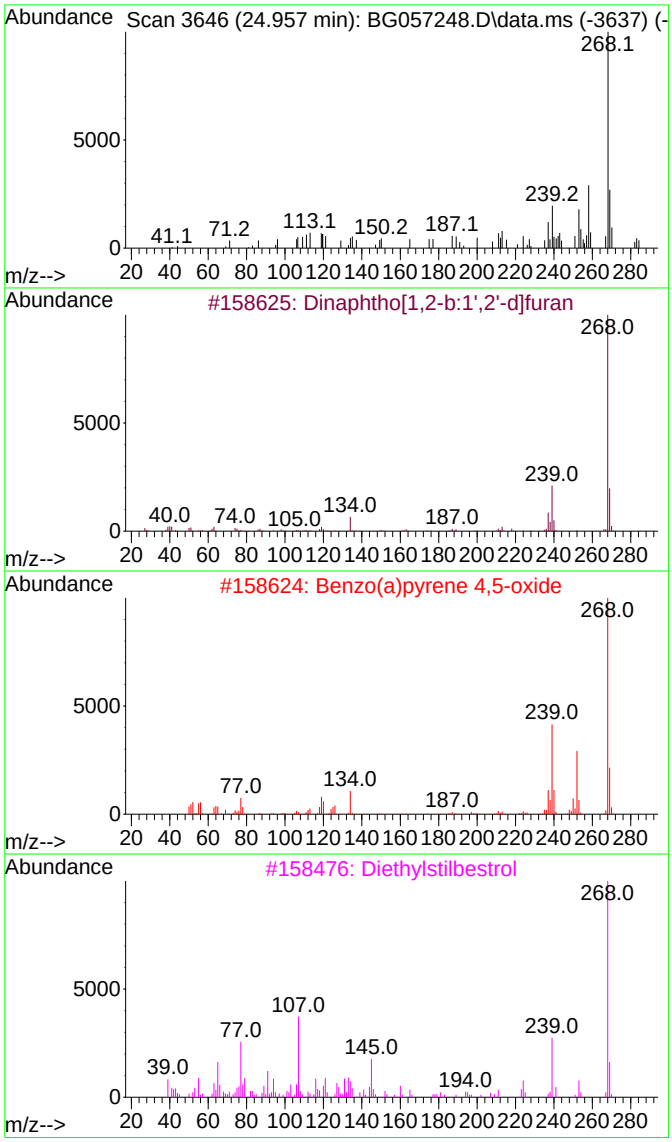
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

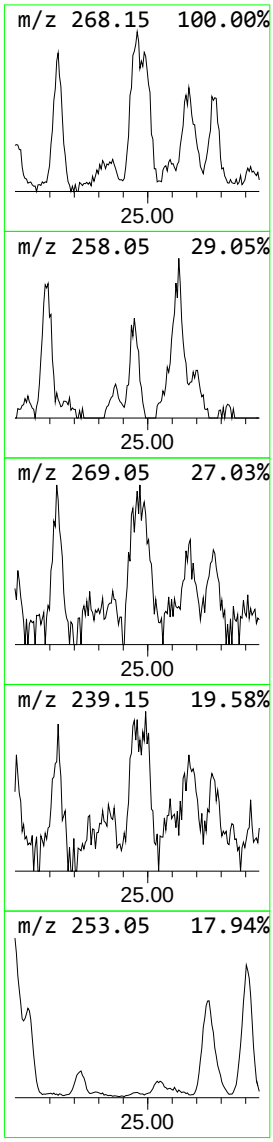
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.957	4.33 ng/ul	58213	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
3	Diethylstilbestrol	268	C18H20O2	000056-53-1	50
4	Methylhydroquinone, 2TMS derivative	268	C13H24O2Si2	1000352-79-5	50
5	benzaldehyde, 2,4-dimethoxy-5-[2...	268	C17H16O3	1000396-95-6	50





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Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

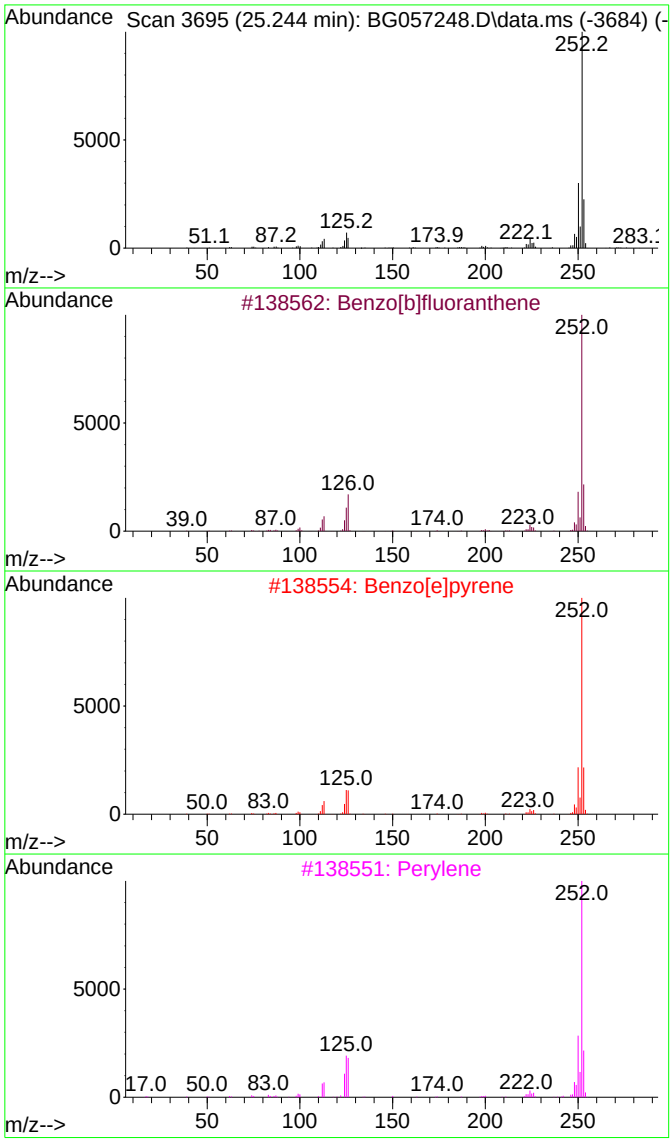
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

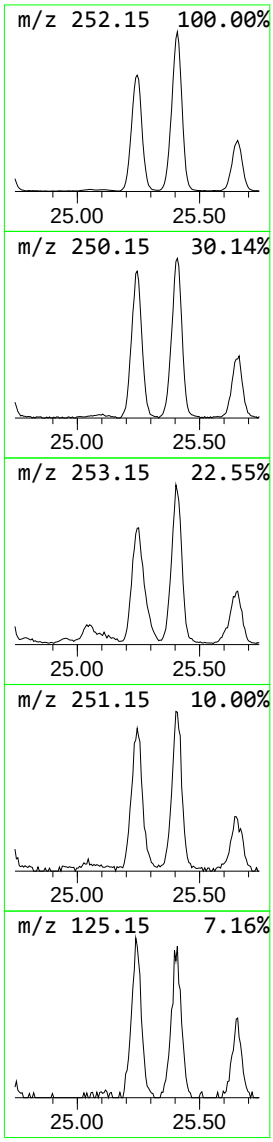
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.244	42.59 ng/ul	572538	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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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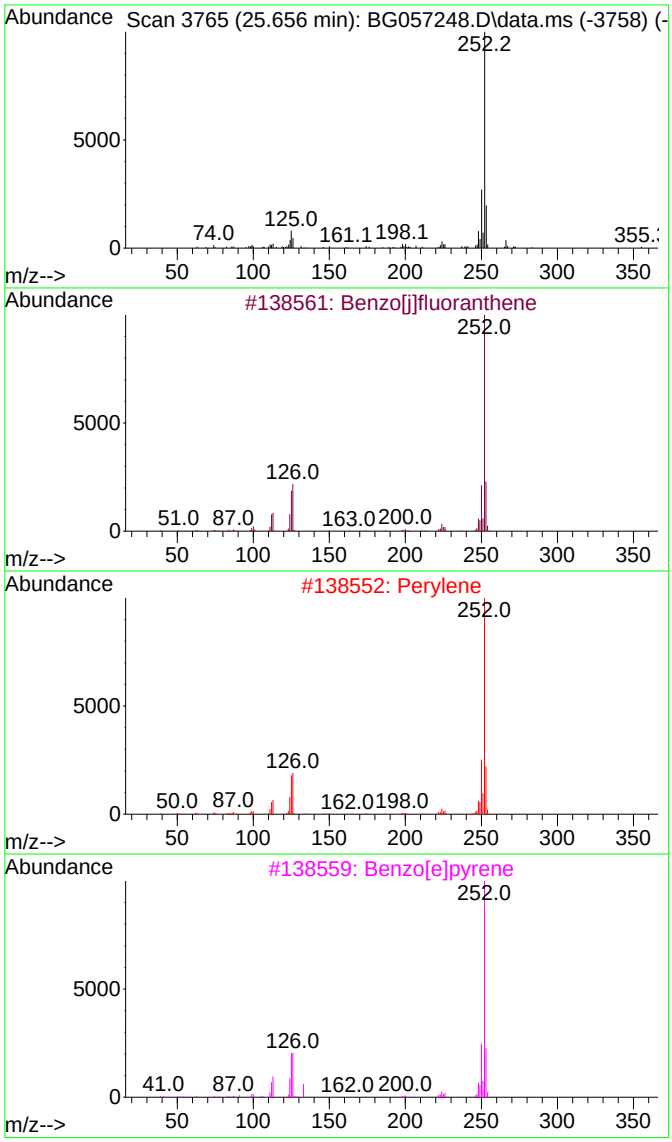
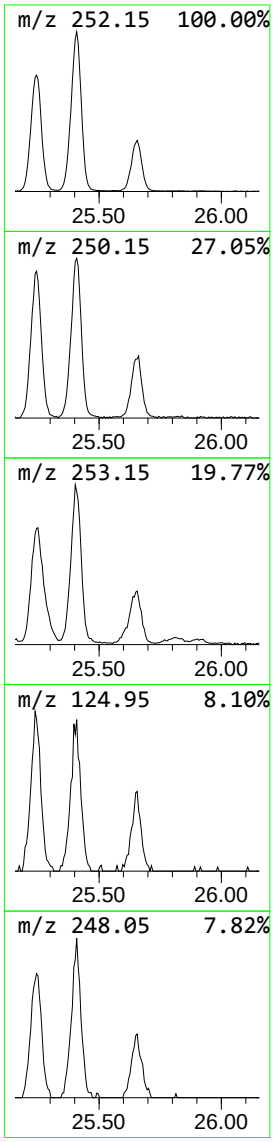
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.656	21.13 ng/ul	284064	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
2	Perylene	252	C20H12	000198-55-0	89
3	Benzo[e]pyrene	252	C20H12	000192-97-2	89
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	76





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Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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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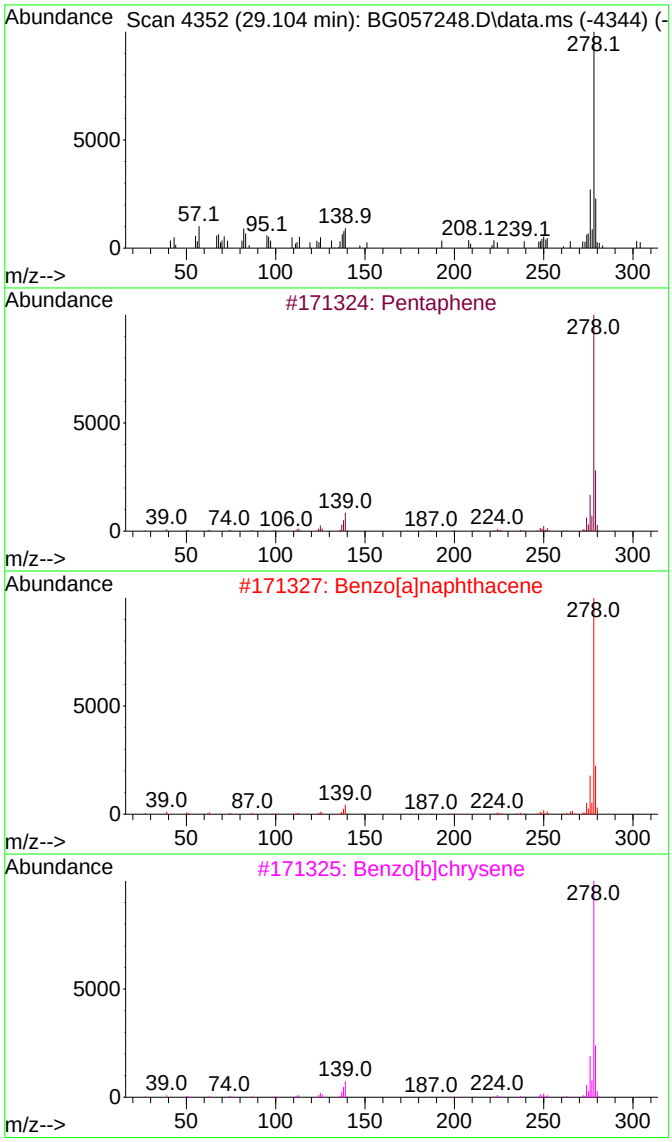
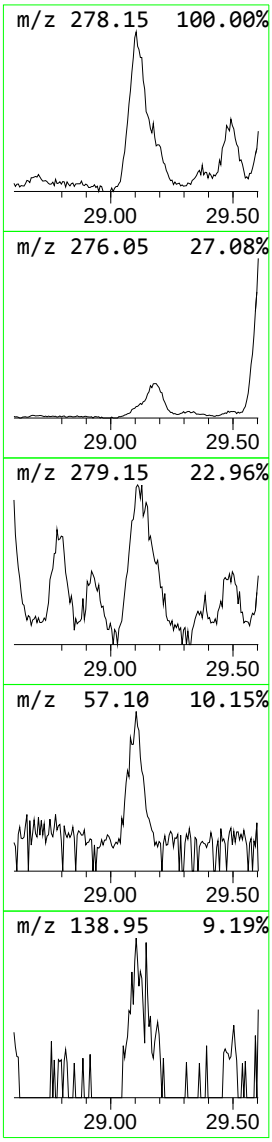
Peak Number 20 Pentaphene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.104	4.39 ng/ul	59080	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	81
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	81
3	Benzo[b]chrysene	278	C22H14	000214-17-5	81
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	81
5	Picene	278	C22H14	000213-46-7	76





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Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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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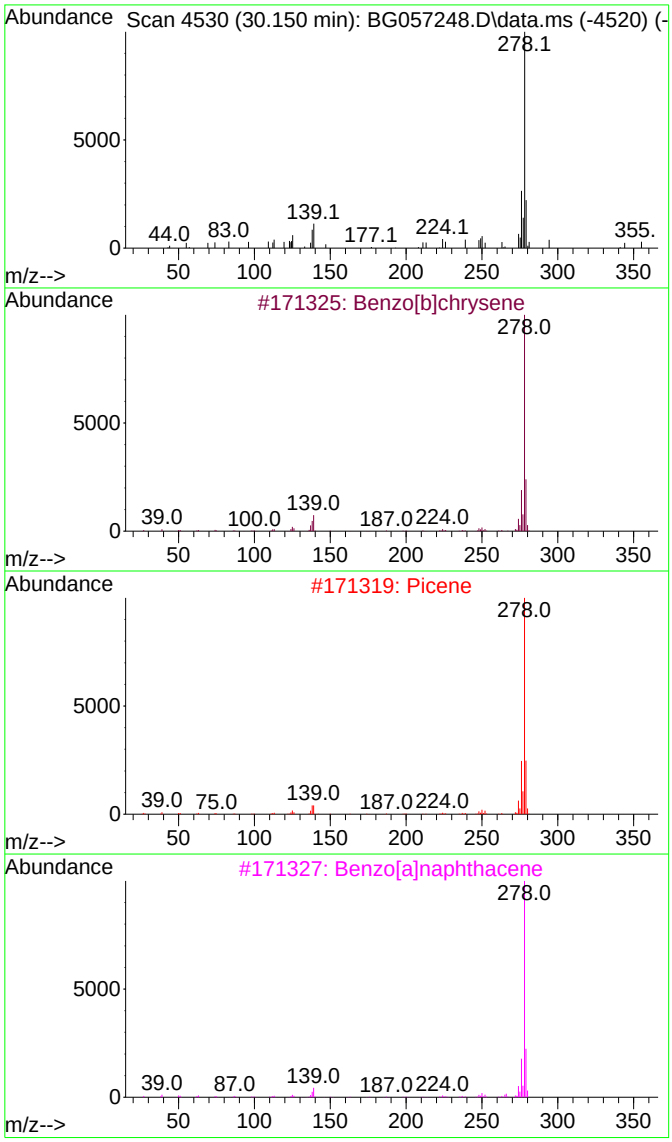
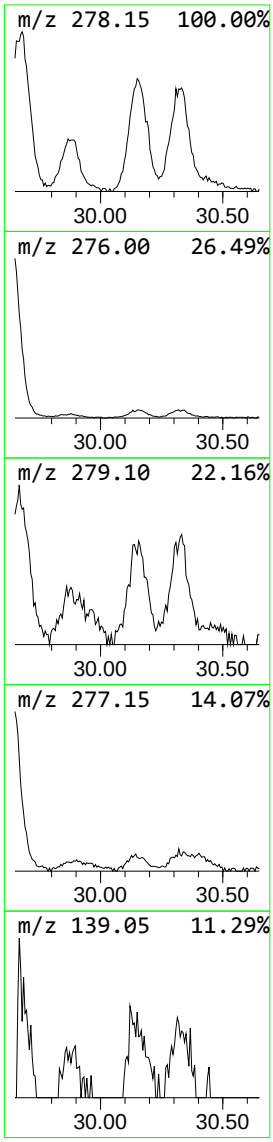
Peak Number 21 Benzo[b]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.150	3.01 ng/ul	40507	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	74
2	Picene	278	C22H14	000213-46-7	72
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	72
4	Pentaphene	278	C22H14	000222-93-5	64
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	64





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Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW902

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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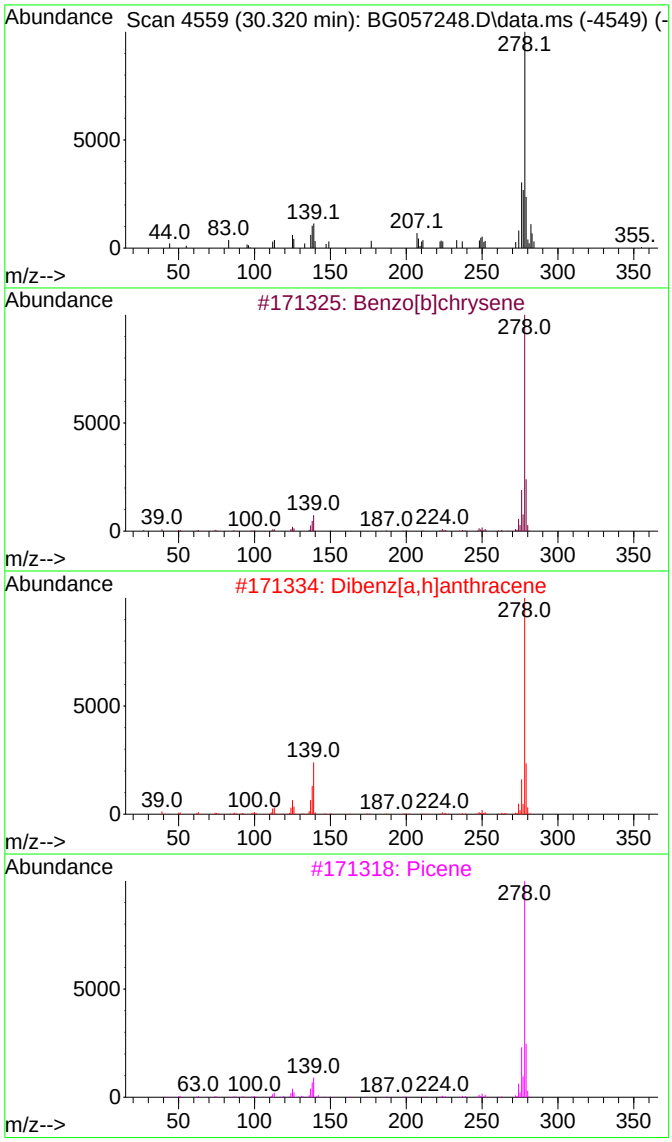
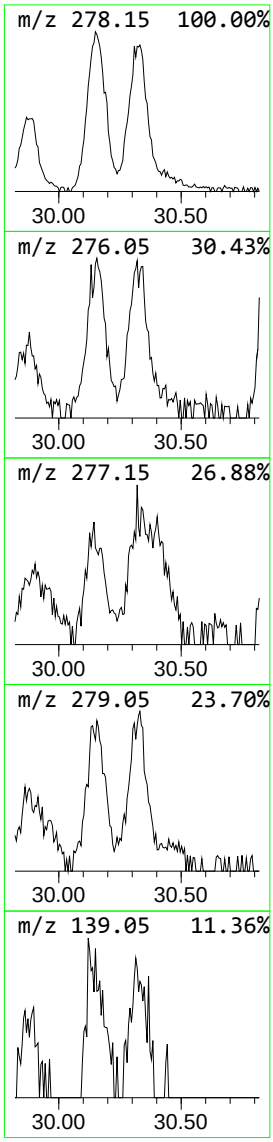
Peak Number 22 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.320	2.84 ng/ul	38170	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	70
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
3	Picene	278	C22H14	000213-46-7	64
4	Pentacene	278	C22H14	000135-48-8	64
5	Pentaphene	278	C22H14	000222-93-5	62





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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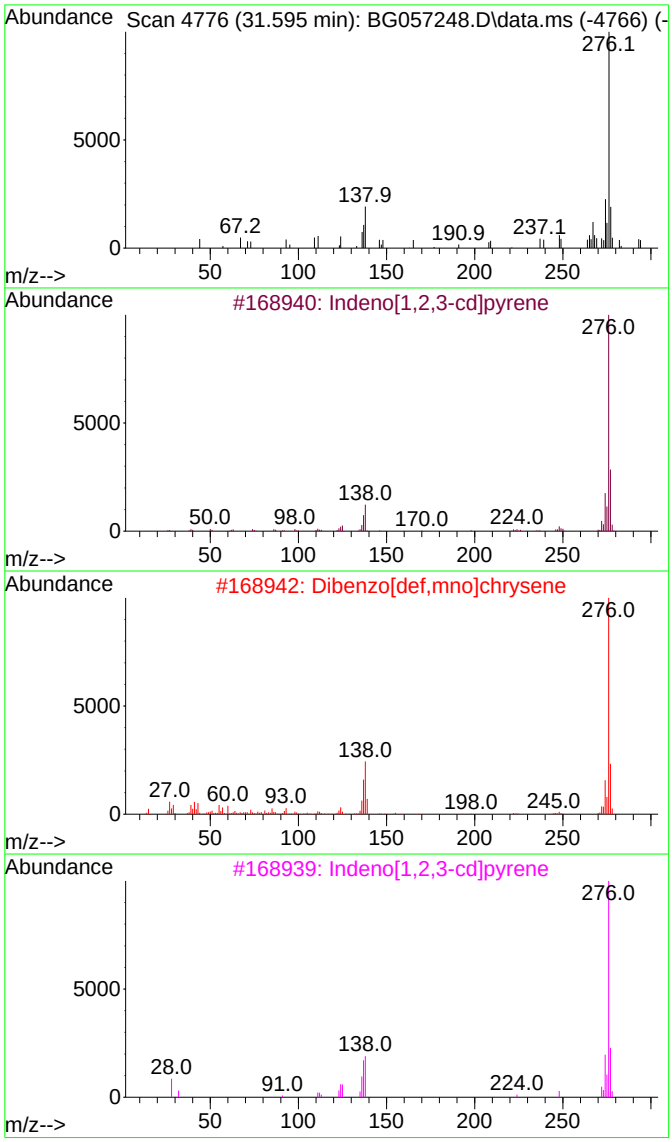
Quant Title : SVOA CALIBRATION

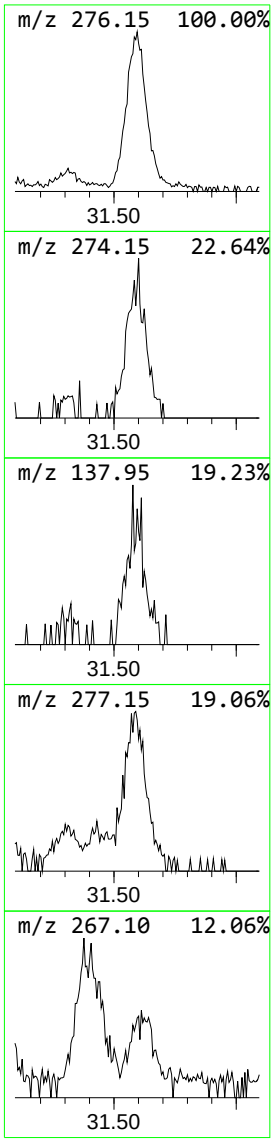
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.595	5.92 ng/ul	79649	Perylene-d12	25.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	68
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	62
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	59
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.327	2.3	ng/ul	25109	3	14.994	216559	20.0
Phenanthrene, 1...	18.601	3.9	ng/ul	52401	4	17.731	269712	20.0
Anthracene, 2-m...	18.647	4.9	ng/ul	66098	4	17.731	269712	20.0
4H-Cyclopenta[d...	18.800	10.6	ng/ul	142273	4	17.731	269712	20.0
5,16[1',2']:8,1...	19.082	3.5	ng/ul	46775	4	17.731	269712	20.0
9,10-Anthracene...	19.135	2.0	ng/ul	26982	4	17.731	269712	20.0
di-p-Tolylacety...	19.499	2.5	ng/ul	33098	4	17.731	269712	20.0
Cyclopenta(def)...	19.652	5.4	ng/ul	72451	4	17.731	269712	20.0
Pyrene, 1-methyl-	20.604	3.5	ng/ul	221679	5	22.049	1274350	20.0
Benzo[b]naphtho...	21.596	3.4	ng/ul	215089	5	22.049	1274350	20.0
unknown-01	21.696	2.7	ng/ul	171360	5	22.049	1274350	20.0
11H-Benzo[a]flu...	21.755	2.4	ng/ul	150492	5	22.049	1274350	20.0
Cyclopenta(cd)p...	22.266	2.1	ng/ul	136839	5	22.049	1274350	20.0
Benz(a)anthrace...	24.028	6.4	ng/ul	86130	6	25.573	268885	20.0
1,2-Dihydropyri...	24.305	2.2	ng/ul	30063	6	25.573	268885	20.0
Perylene	24.722	8.9	ng/ul	119385	6	25.573	268885	20.0
Dinaphtho[1,2-b...	24.957	4.3	ng/ul	58213	6	25.573	268885	20.0
Benzo[e]pyrene	25.244	42.6	ng/ul	572538	6	25.573	268885	20.0
Benzo[j]fluoran...	25.656	21.1	ng/ul	284064	6	25.573	268885	20.0
Pentaphene	29.104	4.4	ng/ul	59080	6	25.573	268885	20.0
Benzo[b]chrysene	30.150	3.0	ng/ul	40507	6	25.573	268885	20.0
Picene	30.320	2.8	ng/ul	38170	6	25.573	268885	20.0
Dibenzo[def,mno...	31.595	5.9	ng/ul	79649	6	25.573	268885	20.0