LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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: BG057316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.373	817	823	831	rVB	46095	75974	5.58%	0.621%
2	9.084	938	944	947	rBV3	2564	3481	0.26%	0.028%
3	10.834	1237	1242	1251	rBB3	1924	4338	0.32%	0.035%
4	11.210	1298	1306	1312	rBV	70474	127023	9.33%	1.038%
5	11.263	1312	1315	1321	rVB	4494	5981	0.44%	0.049%
6	12.838	1579	1583	1588	rVB	3953	6089	0.45%	0.050%
7	13.061	1616	1621	1625	rBV2	2998	4637	0.34%	0.038%
8	14.165	1801	1809	1817	rVB4	1390	3424	0.25%	0.028%
9	14.306	1829	1833	1838	rBV	3023	4905	0.36%	0.040%
10	14.371	1838	1844	1852	rVB2	9486	14291	1.05%	0.117%
11	14.688	1891	1898	1901	rBV2	8292	13359	0.98%	0.109%
12	14.717	1901	1903	1910	rVB2	2662	3855	0.28%	0.031%
13	14.988	1943	1949	1955	rVV	134316	208440	15.32%	1.703%
14	15.052	1955	1960	1966	rVB	32532	51181	3.76%	0.418%
15	15.187	1975	1983	1992	rBV2	1078	3155	0.23%	0.026%
16	15.381	2008	2016	2022	rBV	17996	27302	2.01%	0.223%
17	15.446	2022	2027	2033	rBV2	2806	3766	0.28%	0.031%
18	15.769	2075	2082	2086	rBV4	1656	3580	0.26%	0.029%
19	15.969	2112	2116	2121	rBV2	12643	19179	1.41%	0.157%
20	16.027	2121	2126	2133	rVB	38512	56623	4.16%	0.463%
21	16.145	2144	2146	2150	rVV3	3172	5044	0.37%	0.041%
22	16.186	2150	2153	2157	rVV3	3902	6088	0.45%	0.050%
23	16.274	2165	2168	2172	rVV4	2775	5038	0.37%	0.041%
24	16.315	2172	2175	2180	rVB2	9747	13283	0.98%	0.109%
25	16.462	2196	2200	2207	rVB	8345	14796	1.09%	0.121%
26	16.656	2227	2233	2236	rBV3	3358	6025	0.44%	0.049%
27	16.985	2285	2289	2290	rBV2	2864	3748	0.28%	0.031%
28	17.026	2290	2296	2301	rVV6	7807	13808	1.01%	0.113%
29	17.079	2301	2305	2311	rVB5	3987	5984	0.44%	0.049%
30	17.167	2318	2320	2327	rVB6	2685	3910	0.29%	0.032%
31	17.243	2327	2333	2337	rBV5	4389	8859	0.65%	0.072%
32	17.290	2337	2341	2348	rVV6	4442	10554	0.78%	0.086%
33	17.378	2351	2356	2361	rVV2	16209	25233	1.85%	0.206%
34	17.449	2363	2368	2369	rVV4	5432	9249	0.68%	0.076%
35	17.478	2369	2373	2378	rVV3	8588	14490	1.06%	0.118%
36	17.549	2380	2385	2391	rVB	22814	34781	2.56%	0.284%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
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Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW976

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	17.725	2408	2415	2419	rBV	167033	269545	19.81%	2.202%
38	17.772	2419	2423	2429	rVV	493086	727555	53.47%	5.945%
39	17.831	2429	2433	2434	rVV2	18528	26245	1.93%	0.214%
40	17.860	2434	2438	2444	rVV	113215	172370	12.67%	1.408%
41	17.913	2444	2447	2452	rVV2	7498	12293	0.90%	0.100%
42	18.124	2475	2483	2496	rBV2	42025	82963	6.10%	0.678%
43	18.230	2498	2501	2507	rBV4	8499	13425	0.99%	0.110%
44	18.307	2509	2514	2519	rBV4	8750	14506	1.07%	0.119%
45	18.448	2533	2538	2546	rVB5	5774	12249	0.90%	0.100%
46	18.524	2546	2551	2554	rBV5	4918	8081	0.59%	0.066%
47	18.594	2557	2563	2567	rBV	46573	67771	4.98%	0.554%
48	18.641	2567	2571	2577	rVB	59214	87945	6.46%	0.719%
49	18.724	2579	2585	2590	rBV	21700	35888	2.64%	0.293%
50	18.794	2590	2597	2601	rBV4	83681	163741	12.03%	1.338%
51	18.882	2609	2612	2616	rBV5	5977	7978	0.59%	0.065%
52	18.929	2616	2620	2623	rBV4	8252	10158	0.75%	0.083%
53	18.982	2625	2629	2632	rBV4	4167	6384	0.47%	0.052%
54	19.076	2640	2645	2650	rBV	45566	63335	4.65%	0.518%
55	19.129	2650	2654	2662	rVB3	33819	51808	3.81%	0.423%
56	19.205	2662	2667	2671	rBV4	5100	8375	0.62%	0.068%
57	19.317	2683	2686	2690	rVB4	13119	17278	1.27%	0.141%
58	19.370	2691	2695	2697	rVV2	11289	12790	0.94%	0.105%
59	19.405	2699	2701	2705	rVB3	10196	11590	0.85%	0.095%
60	19.487	2709	2715	2720	rBV	27470	51631	3.79%	0.422%
61	19.558	2722	2727	2735	rVB6	12467	41496	3.05%	0.339%
62	19.640	2735	2741	2750	rBV2	39105	81243	5.97%	0.664%
63	19.763	2754	2762	2768	rBV	983316	1360758	100.00%	11.119%
64	19.805	2768	2769	2772	rVV3	9752	9096	0.67%	0.074%
65	19.852	2773	2777	2783	rVB3	17475	28068	2.06%	0.229%
66	19.904	2783	2786	2787	rBV2	5598	6717	0.49%	0.055%
67	19.946	2790	2793	2797	rVV6	11009	18468	1.36%	0.151%
68	20.004	2797	2803	2811	rVB2	30279	66191	4.86%	0.541%
69	20.087	2811	2817	2819	rBV2	147856	240194	17.65%	1.963%
70	20.128	2819	2824	2829	rVV	730625	1117891	82.15%	9.134%
71	20.181	2829	2833	2837	rVB	36054	49697	3.65%	0.406%
72	20.292	2847	2852	2856	rVB	43300	63768	4.69%	0.521%
73	20.363	2858	2864	2869	rVB	42803	70638	5.19%	0.577%
74	20.433	2870	2876	2882	rBV4	50294	113013	8.31%	0.923%
75	20.492	2882	2886	2891	rBV	16372	28603	2.10%	0.234%
76	20.603	2893	2905	2910	rBV	88123	217287	15.97%	1.775%

LSC Area Percent Report

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Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW976

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

77	20.703	2917	2922	2925	rBV	64382	92076	6.77%	0.752%
78	20.762	2925	2932	2935	rVV2	49186	103219	7.59%	0.843%
79	20.797	2935	2938	2941	rVB2	31247	34841	2.56%	0.285%
80	20.903	2953	2956	2961	rBV	38809	57589	4.23%	0.471%
81	20.956	2962	2965	2971	rVB2	32365	54107	3.98%	0.442%
82	21.397	3035	3040	3046	rVB	59454	101482	7.46%	0.829%
83	21.590	3065	3073	3077	rBV3	73172	155971	11.46%	1.274%
84	21.637	3077	3081	3085	rVV	58401	93730	6.89%	0.766%
85	21.690	3085	3090	3095	rVV2	77221	151452	11.13%	1.237%
86	21.755	3096	3101	3113	rVB2	60600	125472	9.22%	1.025%
87	22.025	3136	3147	3155	rBV3	383678	1063439	78.15%	8.689%
88	22.096	3155	3159	3170	rVB	314816	558494	41.04%	4.563%
89	22.260	3182	3187	3195	rBV	65070	124671	9.16%	1.019%
90	22.477	3219	3224	3232	rBV2	48923	93614	6.88%	0.765%
91	22.818	3279	3282	3288	rVB2	39551	75059	5.52%	0.613%
92	23.124	3331	3334	3339	rVB4	19589	31809	2.34%	0.260%
93	24.445	3548	3559	3566	rBV	257247	888992	65.33%	7.264%
94	24.721	3599	3606	3614	rVB2	38436	94556	6.95%	0.773%
95	25.238	3685	3694	3704	rVB	137166	391311	28.76%	3.197%
96	25.403	3712	3722	3732	rVB	175310	536115	39.40%	4.381%
97	25.567	3742	3750	3757	rBV3	74870	218515	16.06%	1.785%
98	25.650	3758	3764	3775	rVB2	59262	188165	13.83%	1.537%
99	29.638	4431	4443	4462	rVB3	84947	433556	31.86%	3.543%
100	30.913	4644	4660	4673	rBV3	55378	299865	22.04%	2.450%

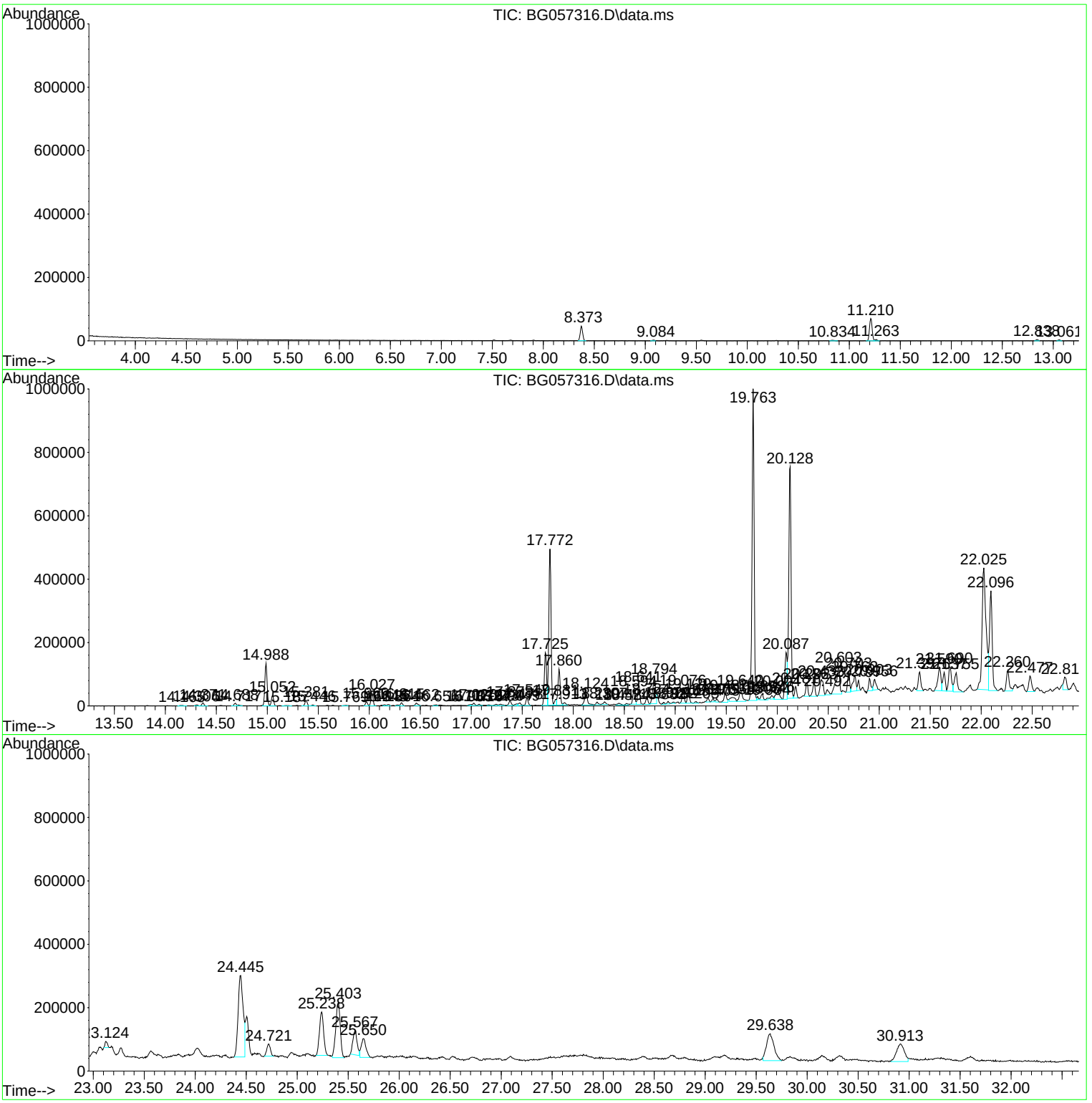
Sum of corrected areas: 12238605

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

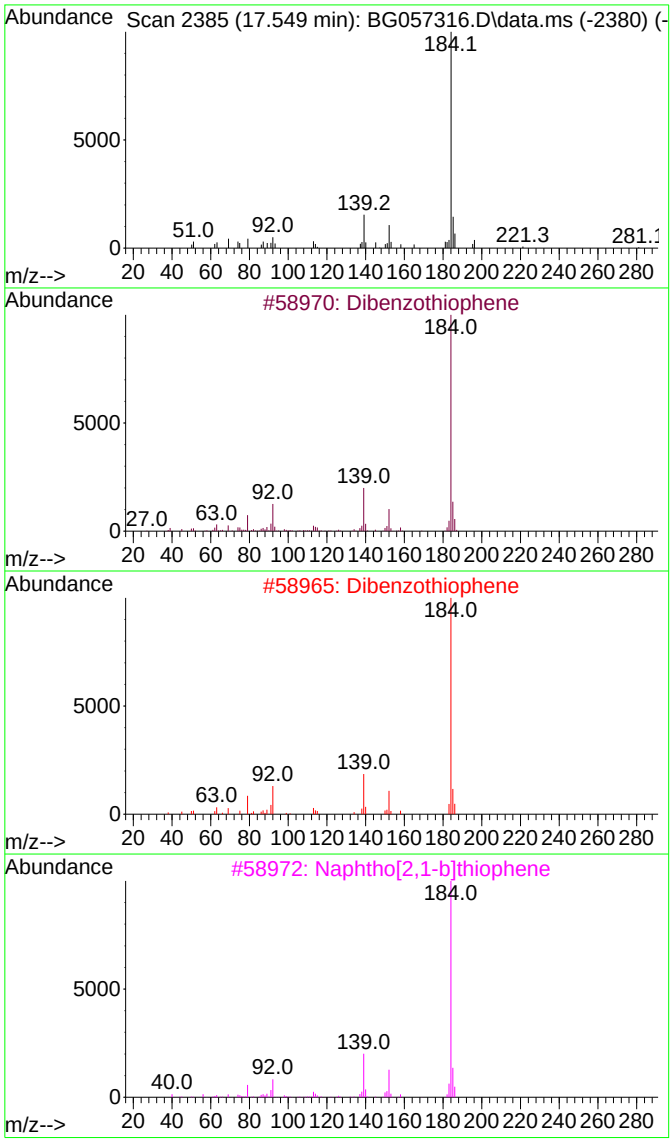
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

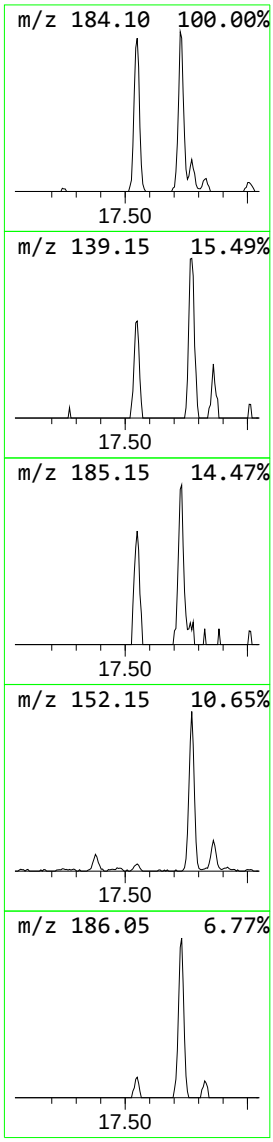
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.549	2.58 ng/ul	34781	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

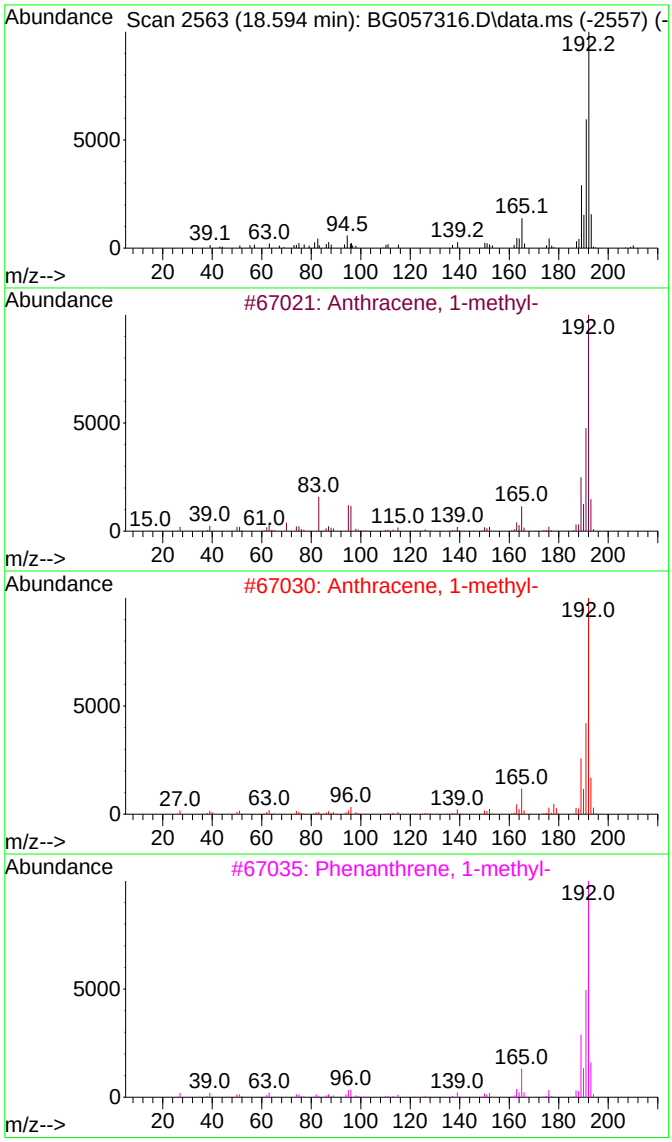
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

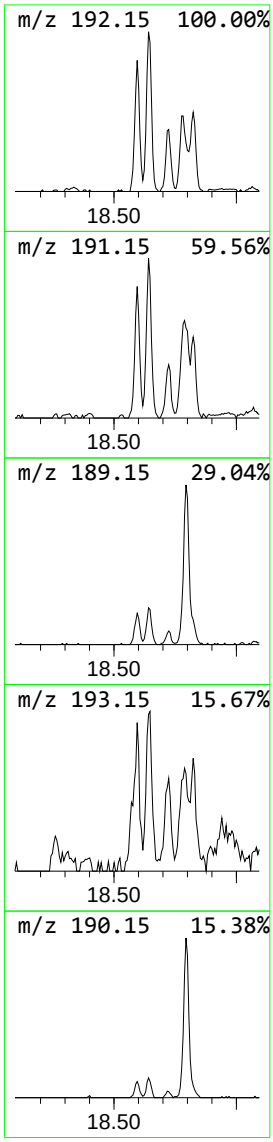
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.594	5.03 ng/ul	67771	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

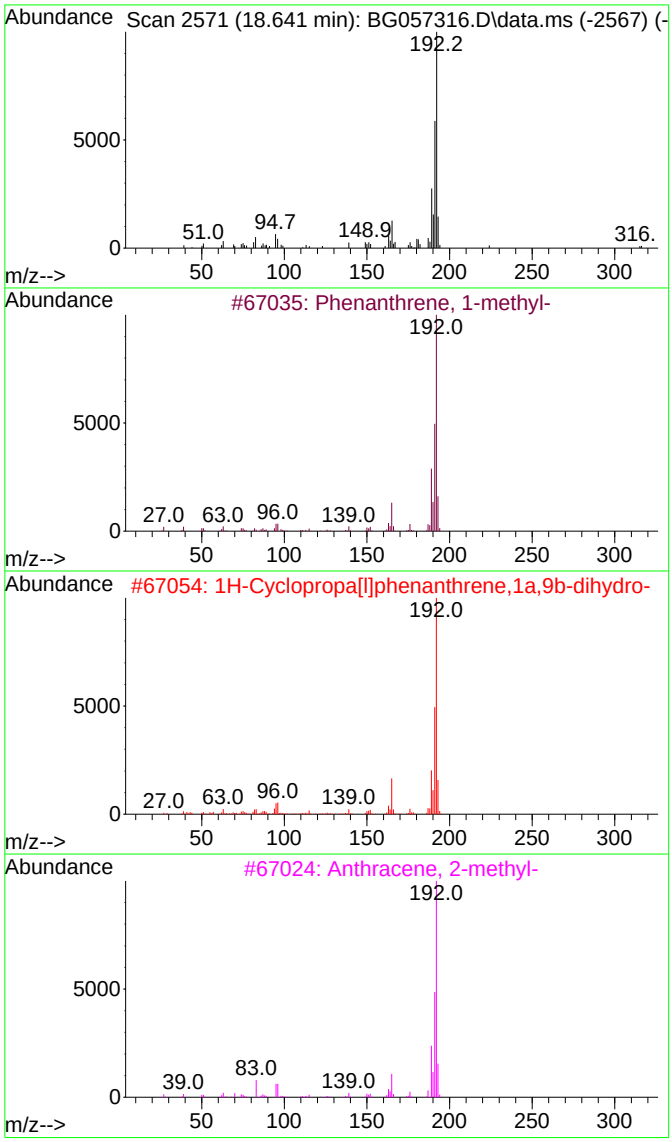
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

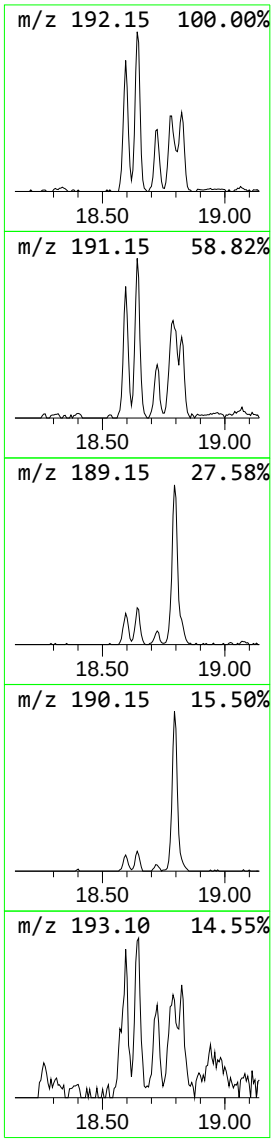
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.641	6.53 ng/ul	87945	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

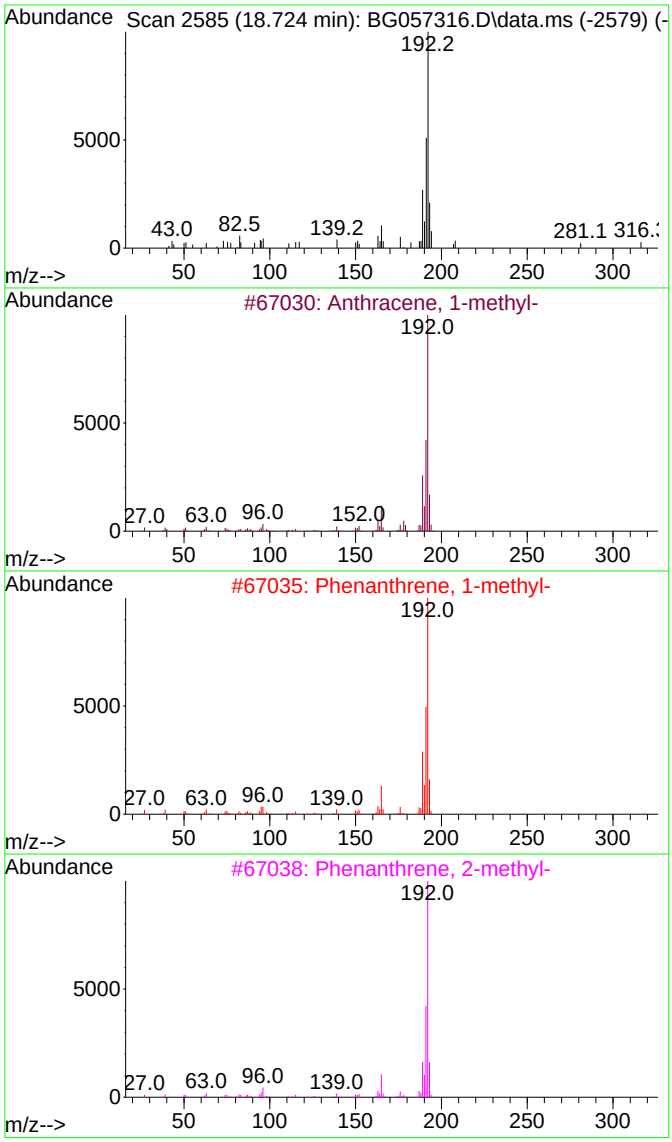
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

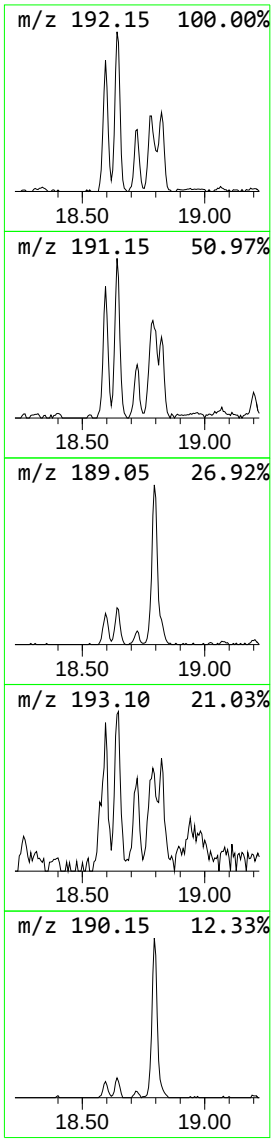
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.724	2.66 ng/ul	35888	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

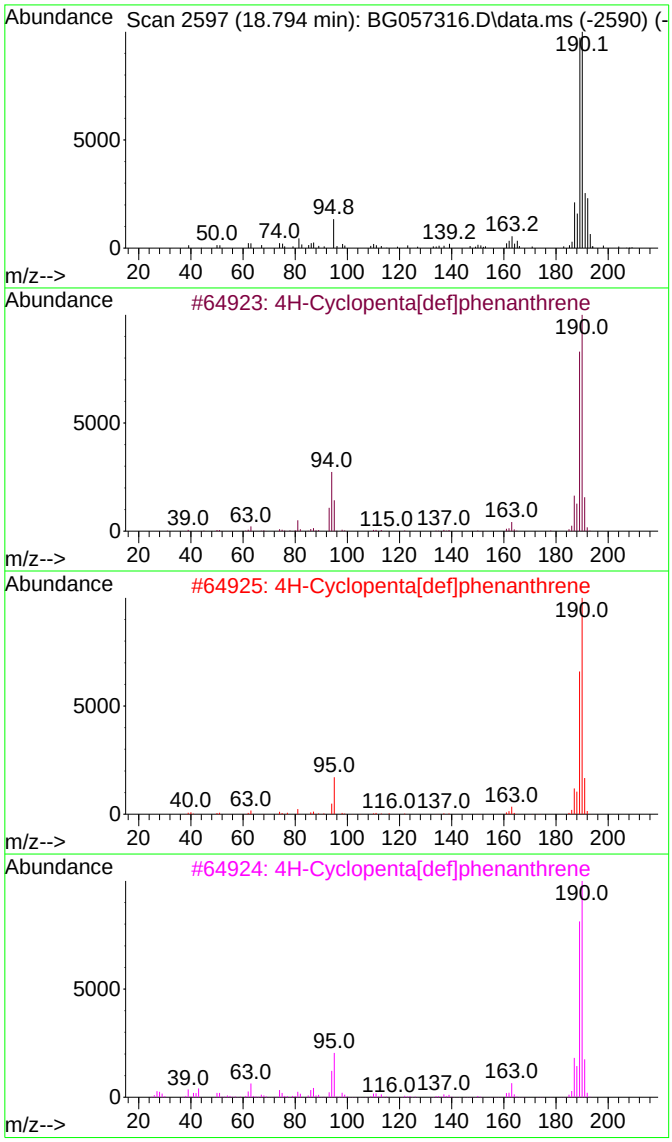
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

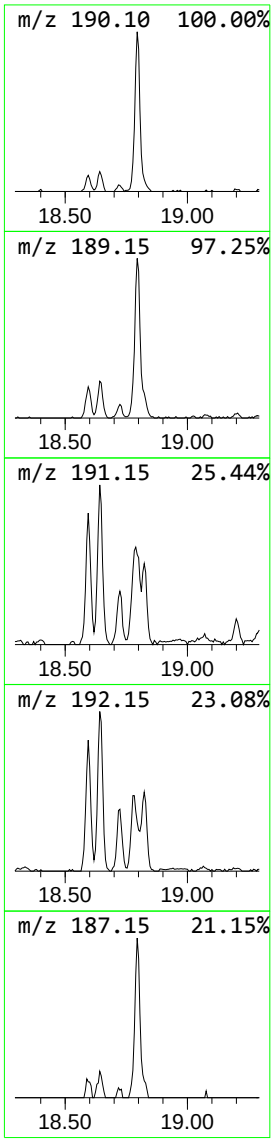
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.794	12.15 ng/ul	163741	Phenanthrene-d10	17.725

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	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59





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Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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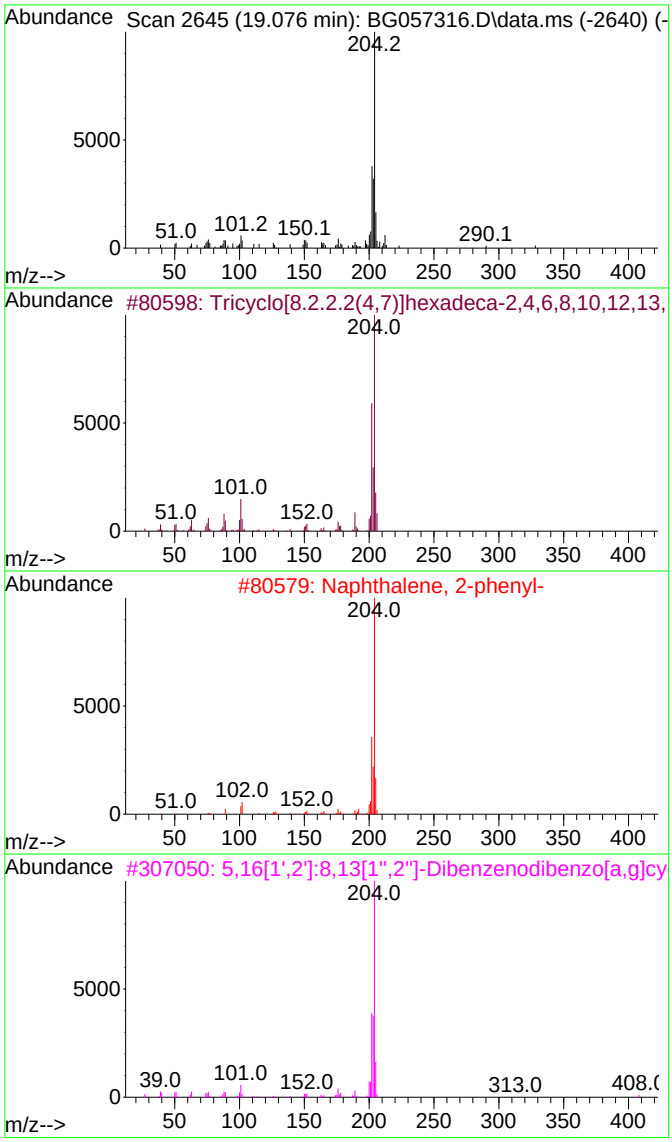
Quant Title : SVOA CALIBRATION

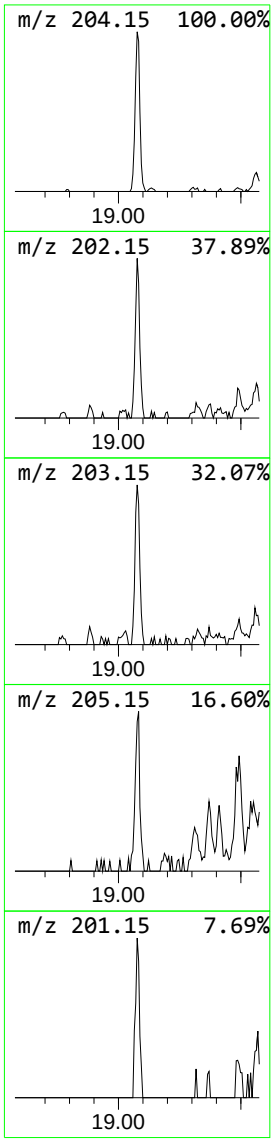
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.076	4.70 ng/ul	63335	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION

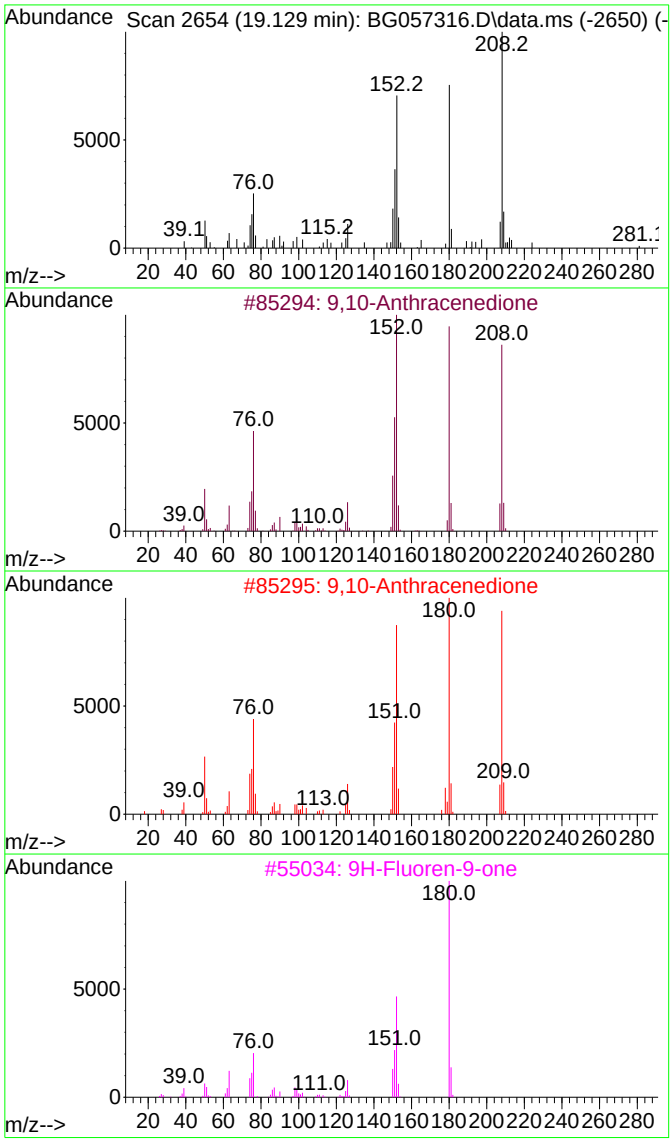
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

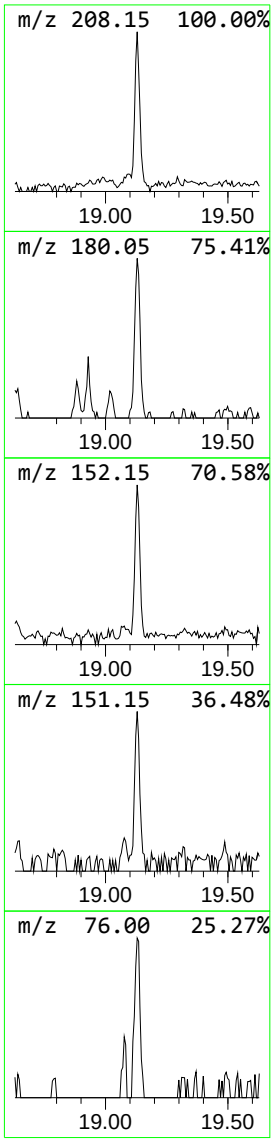
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.129	3.84 ng/ul	51808	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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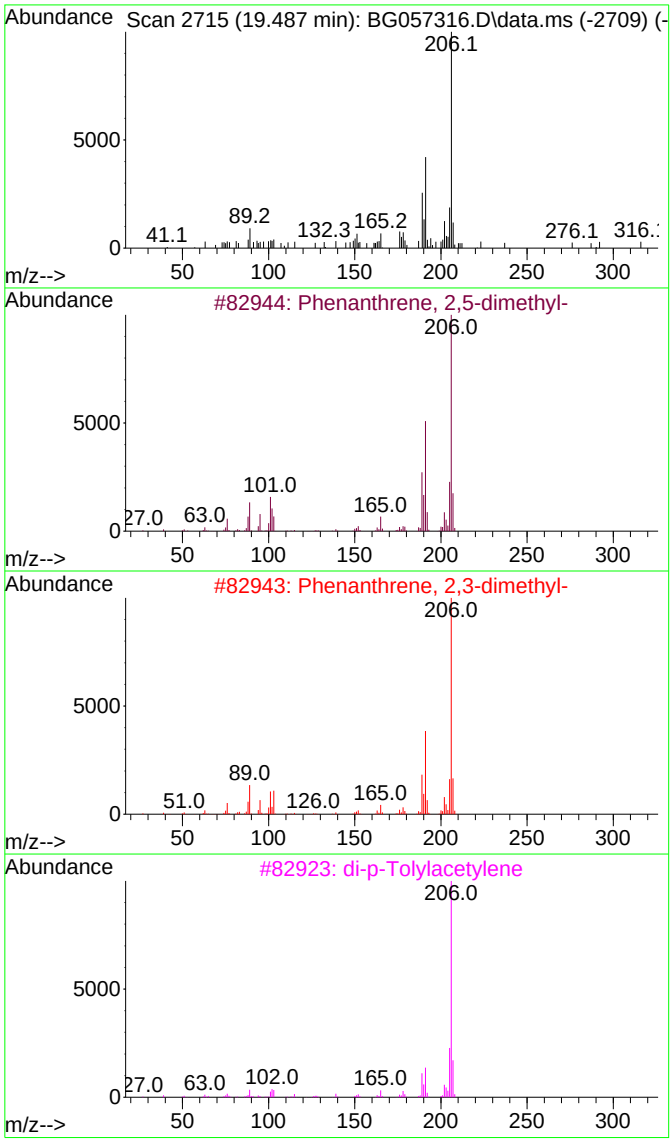
Quant Title : SVOA CALIBRATION

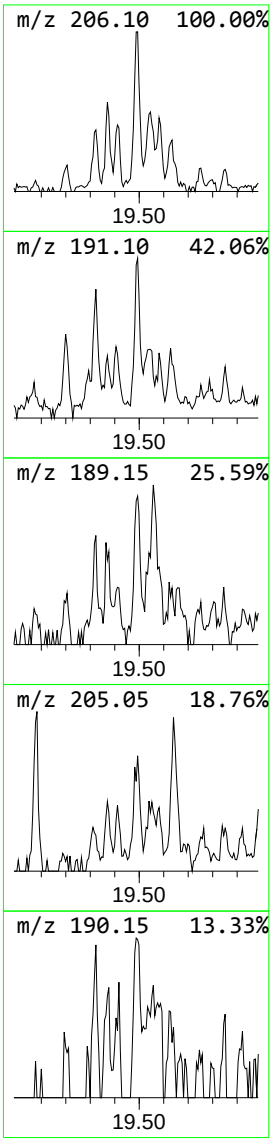
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.487	3.83 ng/ul	51631	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70





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Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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

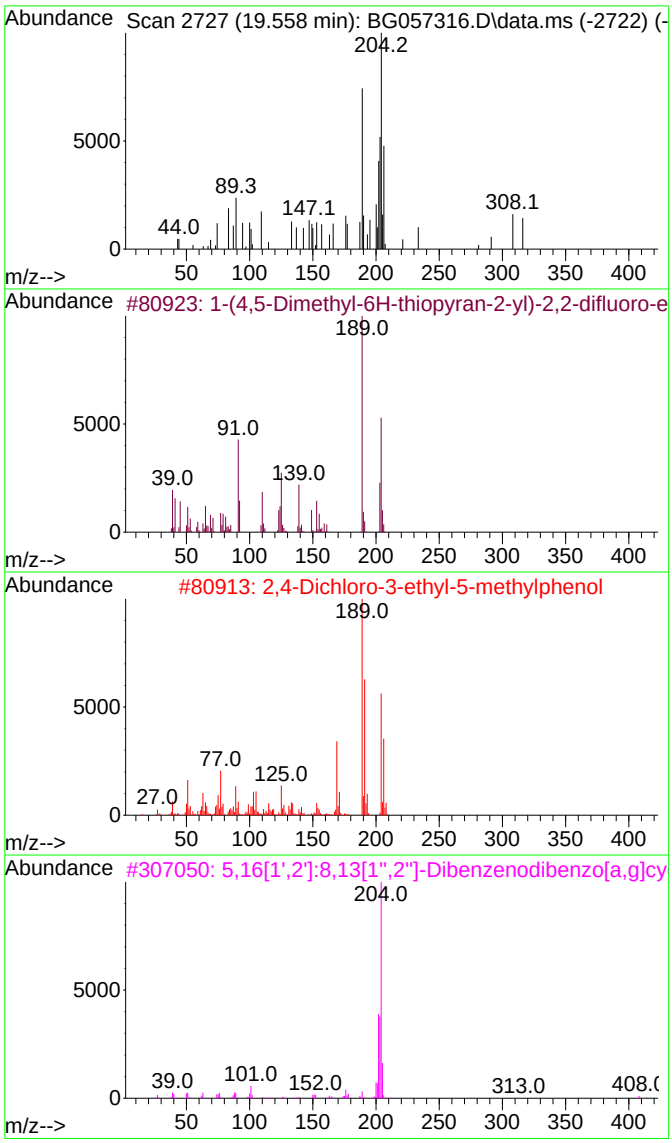
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

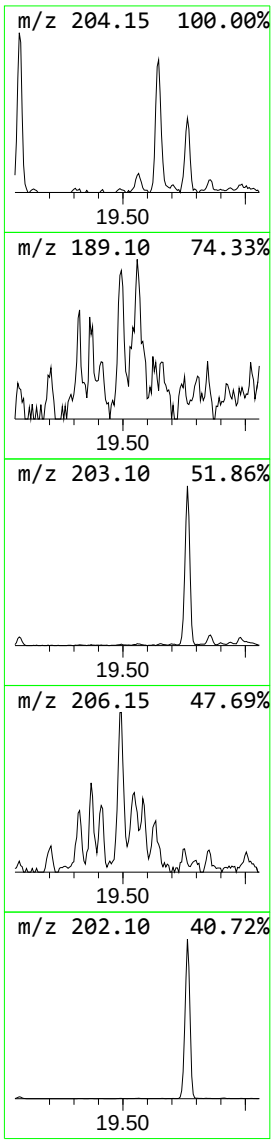
****

Peak Number 9 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.558	3.08 ng/ul	41496	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	43
2	2,4-Dichloro-3-ethyl-5-methylphenol	204	C9H10Cl2O	001127-60-2	43
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	38
5	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	38





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Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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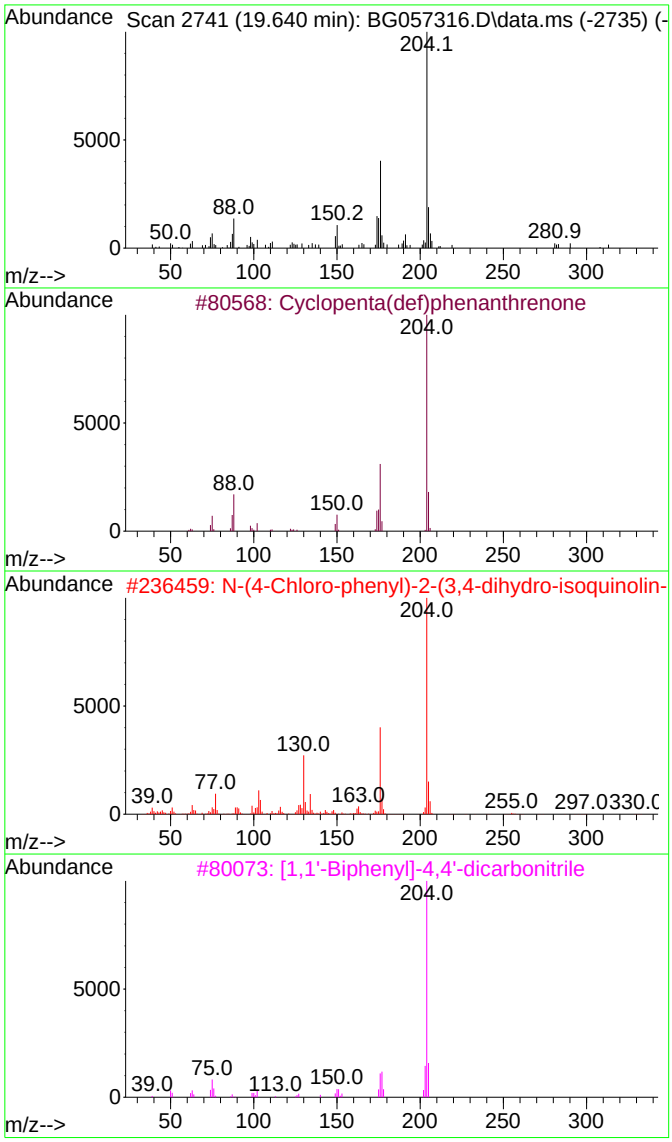
Quant Title : SVOA CALIBRATION

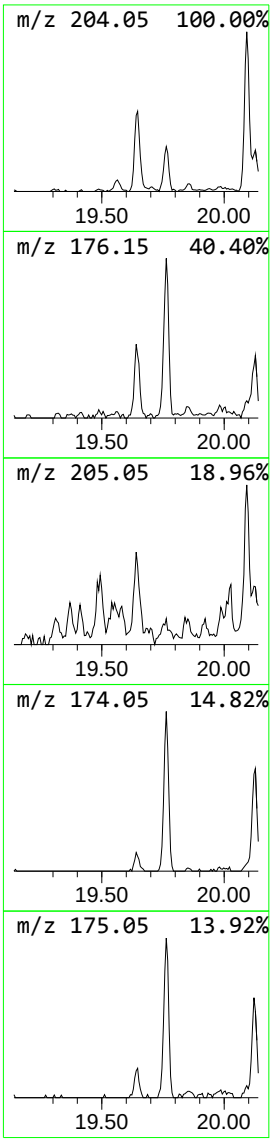
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.640	6.03 ng/ul	81243	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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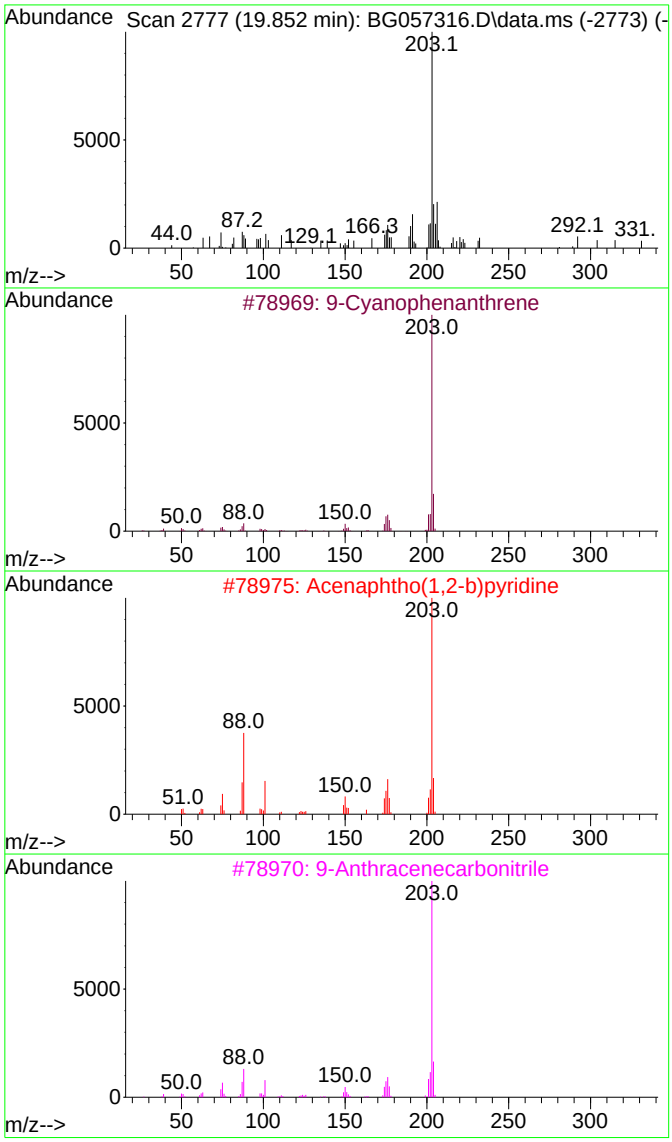
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

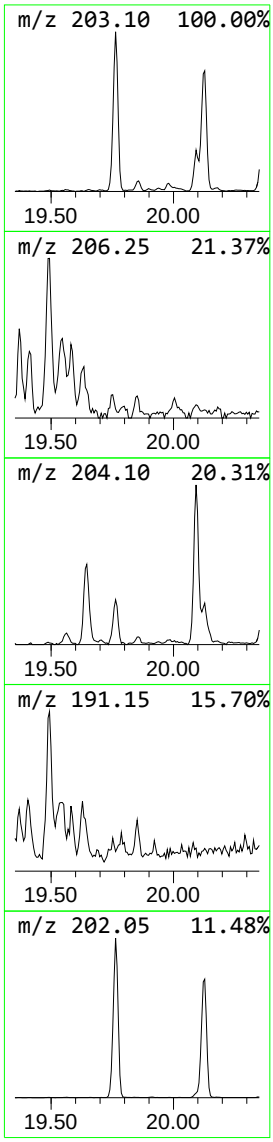
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9-Cyanophenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.852	2.08 ng/ul	28068	Phenanthrene-d10	17.725

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Cyanophenanthrene	203	C15H9N	002510-55-6	64
2	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	64
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	58
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	58
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	58





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Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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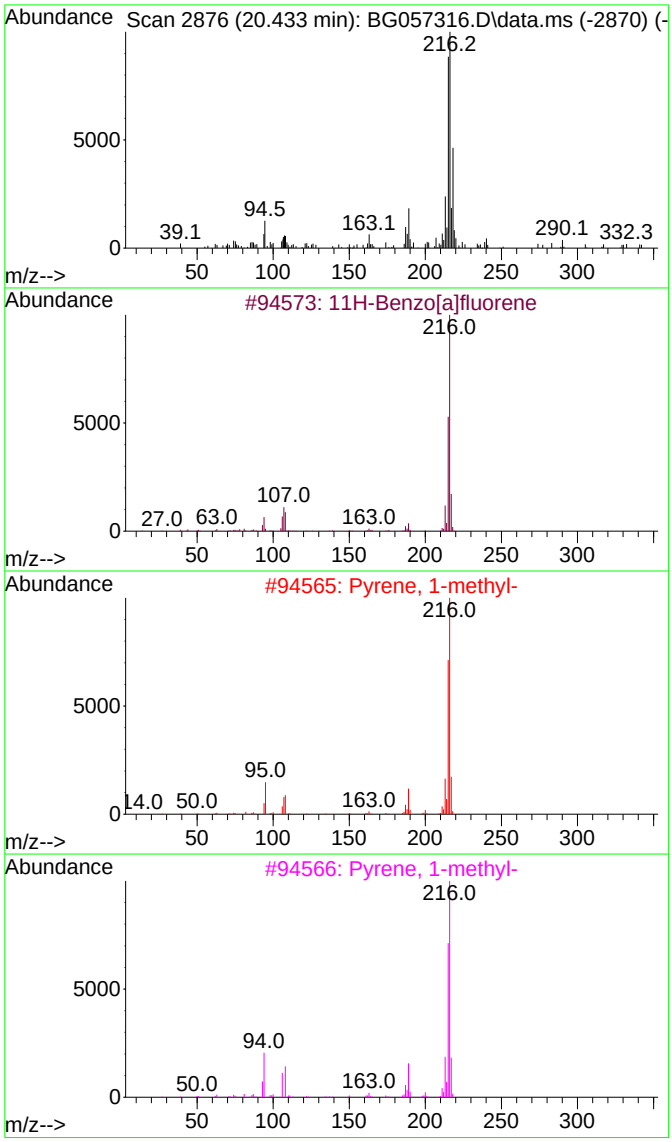
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

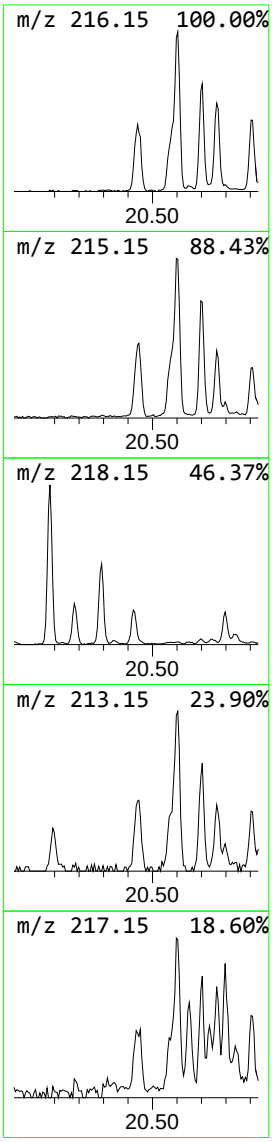
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.433	2.13 ng/ul	113013	Chrysene-d12	22.043

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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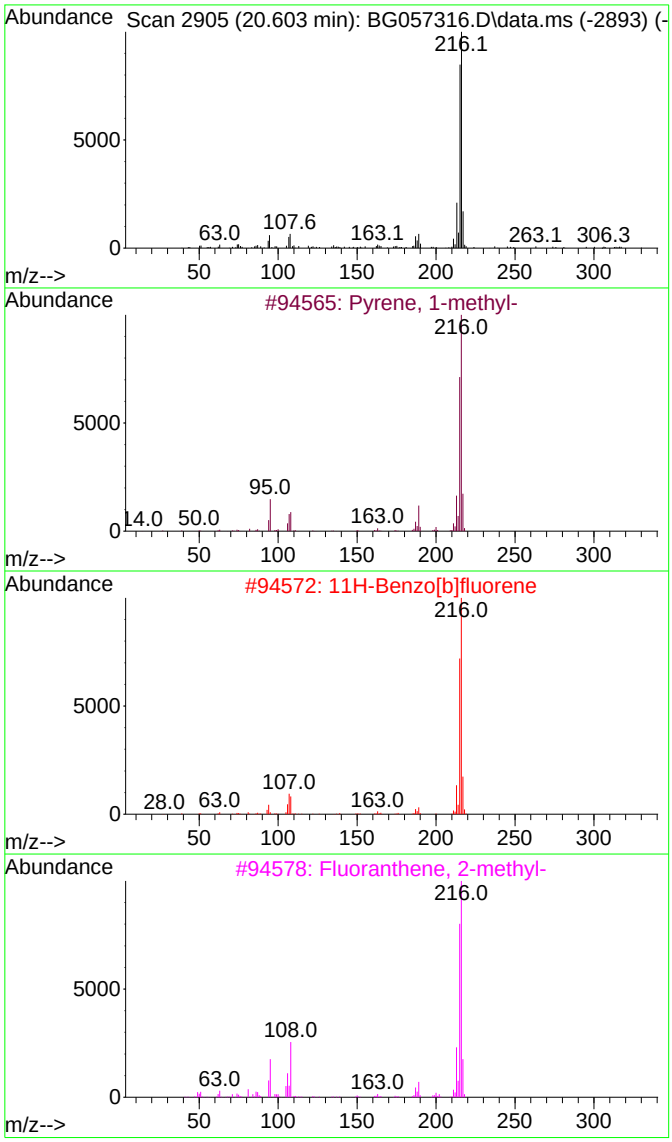
Quant Title : SVOA CALIBRATION

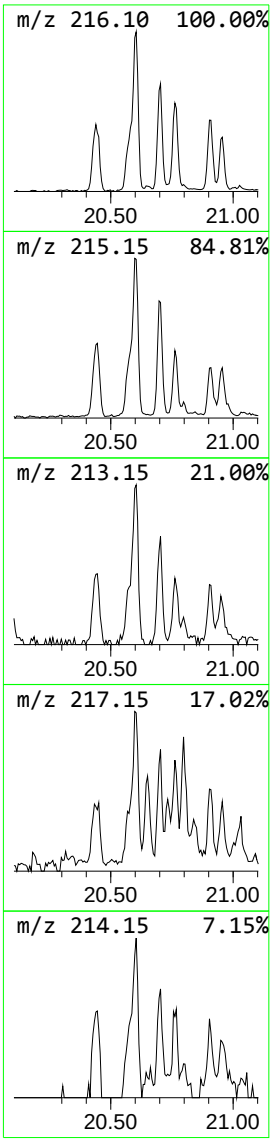
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.604	4.09 ng/ul	217287	Chrysene-d12	22.043

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





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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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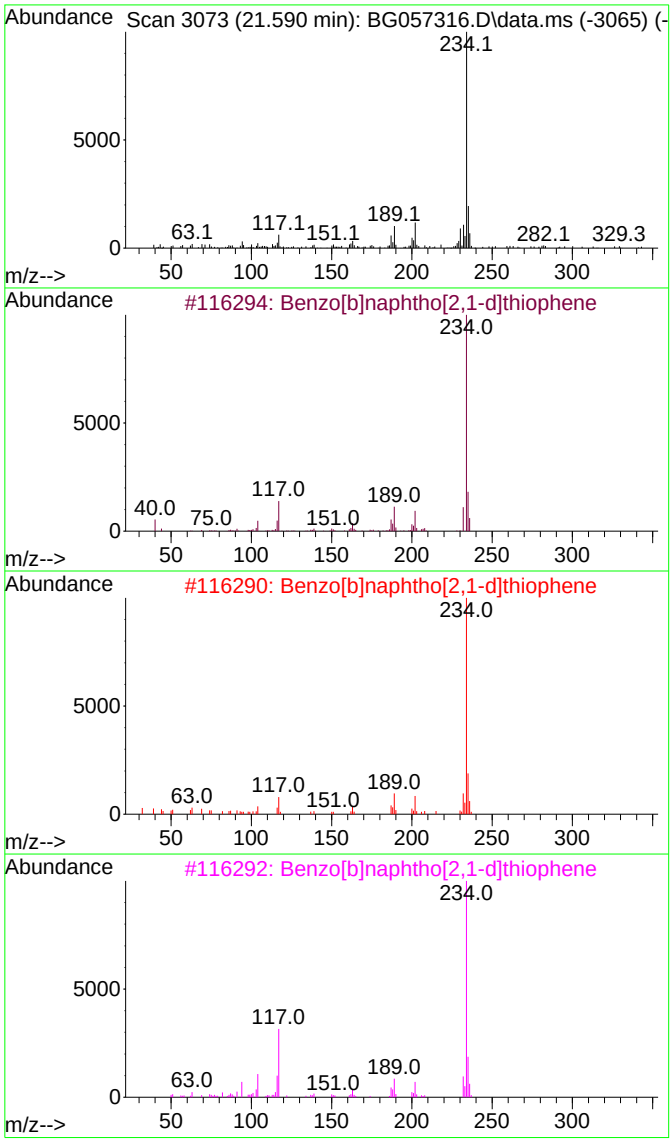
Quant Title : SVOA CALIBRATION

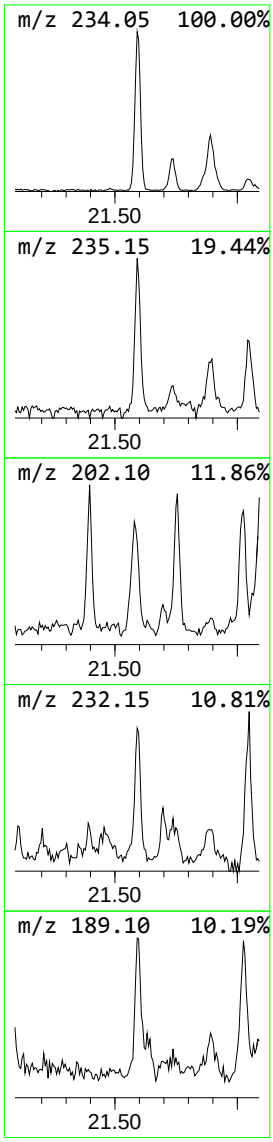
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.590	2.93 ng/ul	155971	Chrysene-d12	22.043

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	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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ALS Vial : 6 Sample Multiplier: 1

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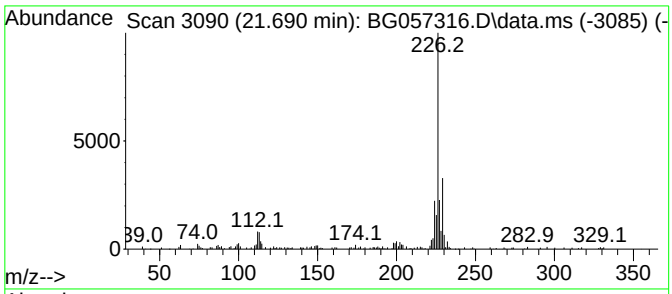
Quant Title : SVOA CALIBRATION

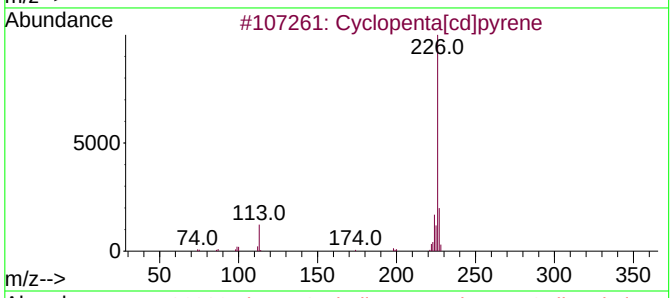
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

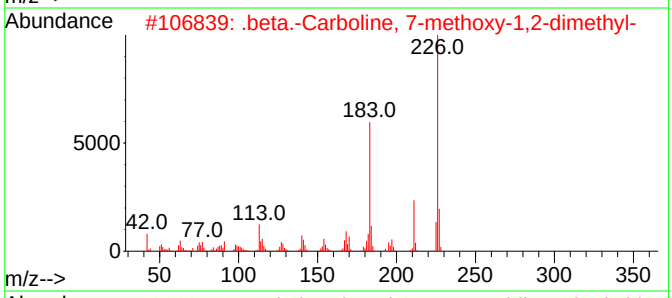
****
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 14

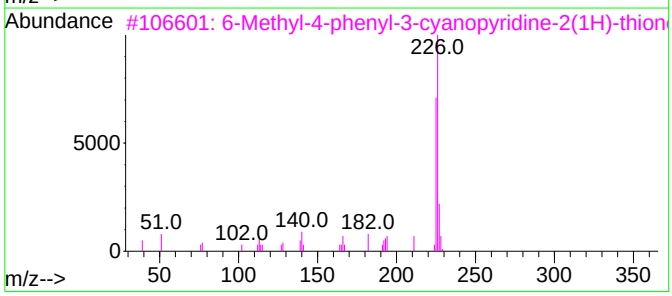
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.690	2.85 ng/ul	151452	Chrysene-d12	22.043

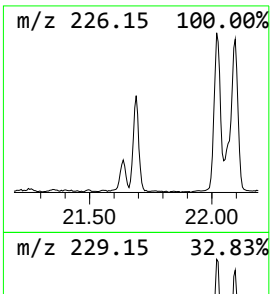
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	47
4	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	38
5	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	33

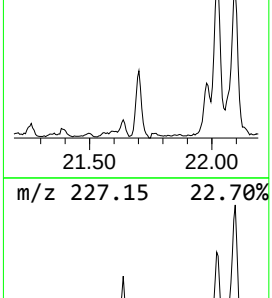


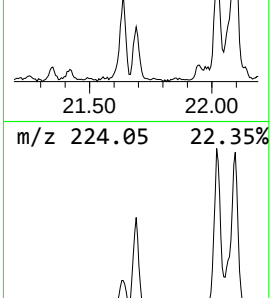


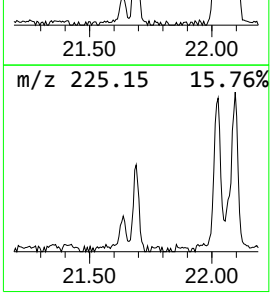












Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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

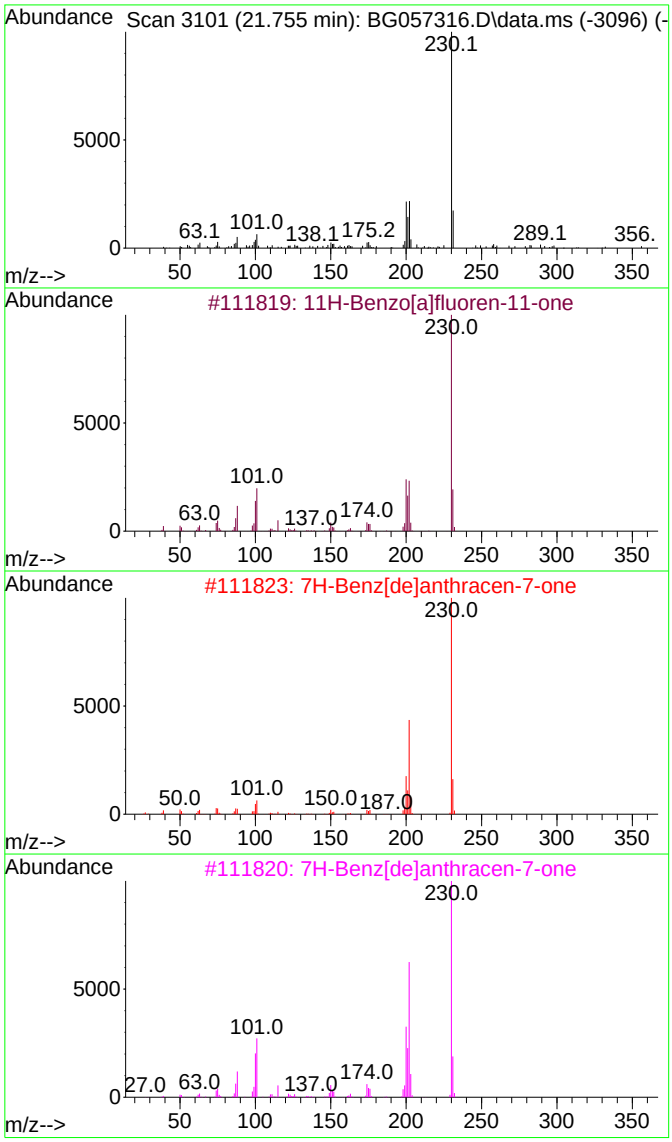
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

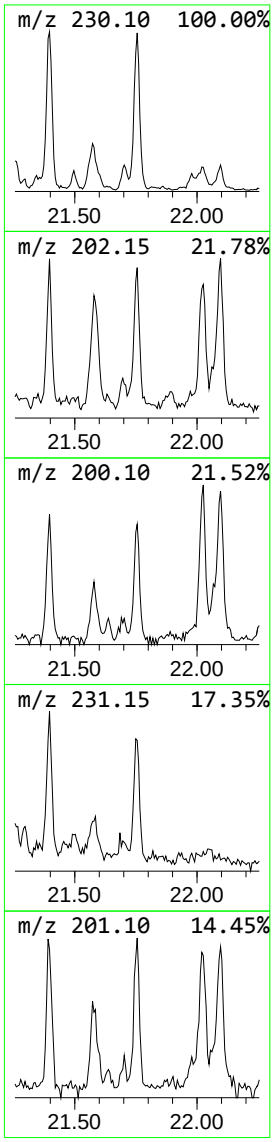
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.755	2.36 ng/ul	125472	Chrysene-d12	22.043

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	72
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

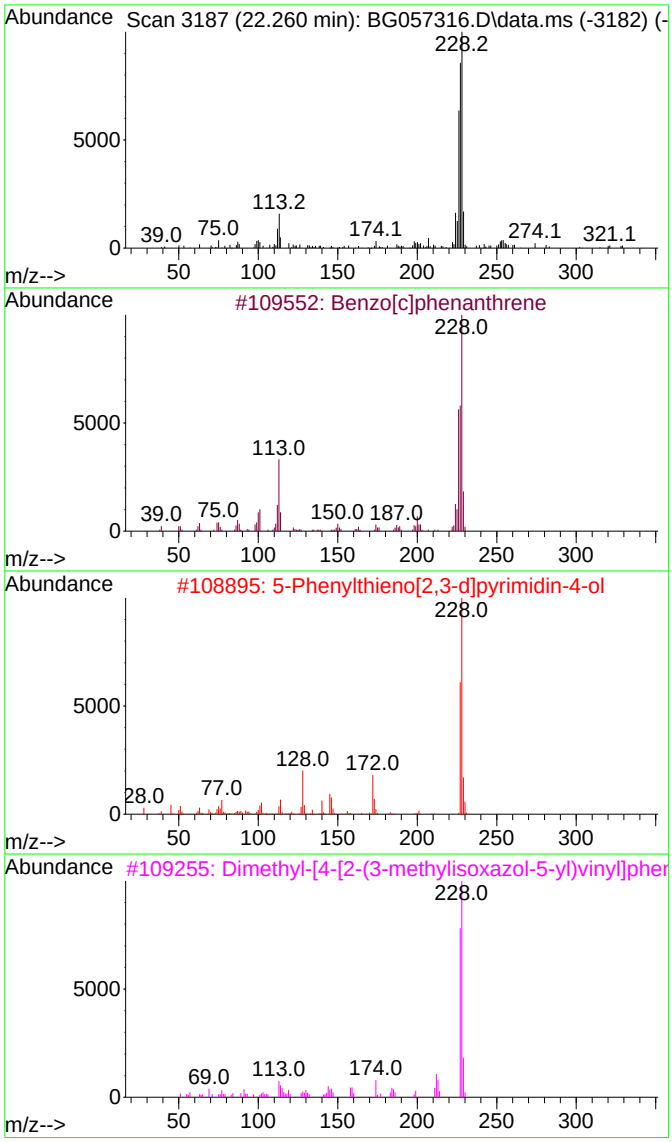
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

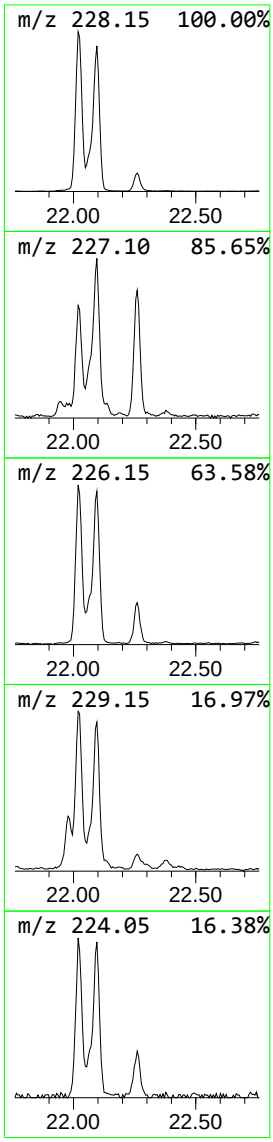
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.260	2.34 ng/ul	124671	Chrysene-d12	22.043

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
2	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	53
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50





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Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

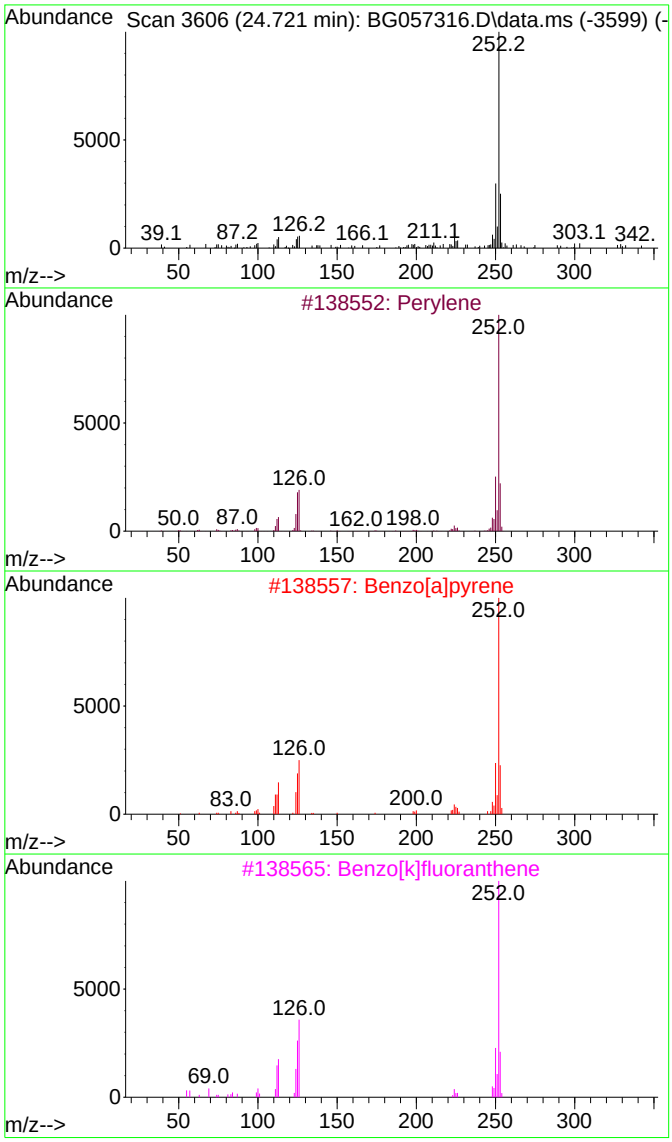
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

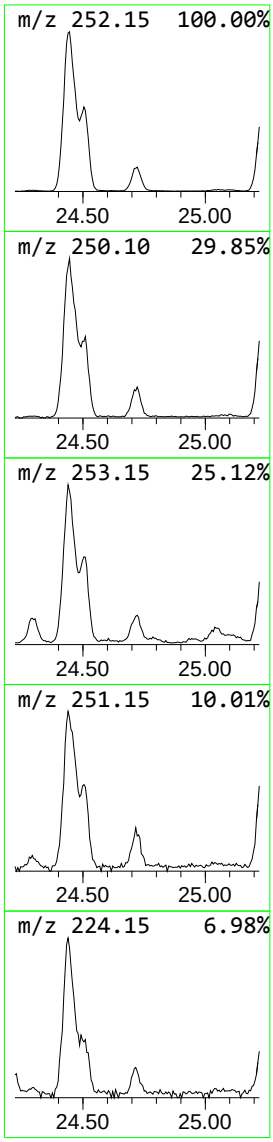
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.721	8.65 ng/ul	94556	Perylene-d12	25.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





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Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

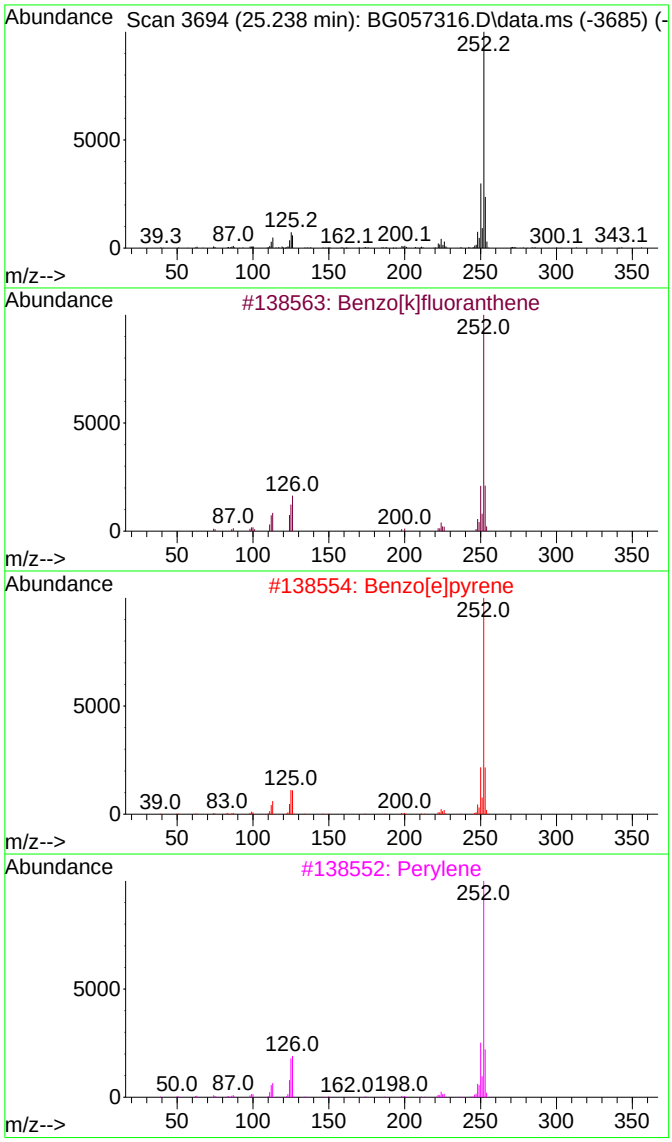
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

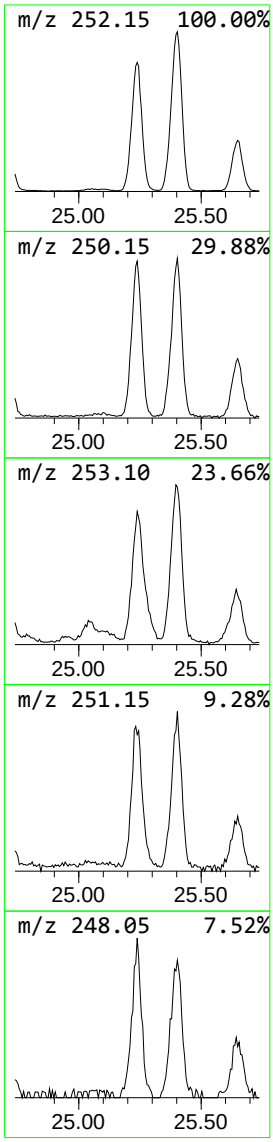
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.238	35.82 ng/ul	391311	Perylene-d12	25.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

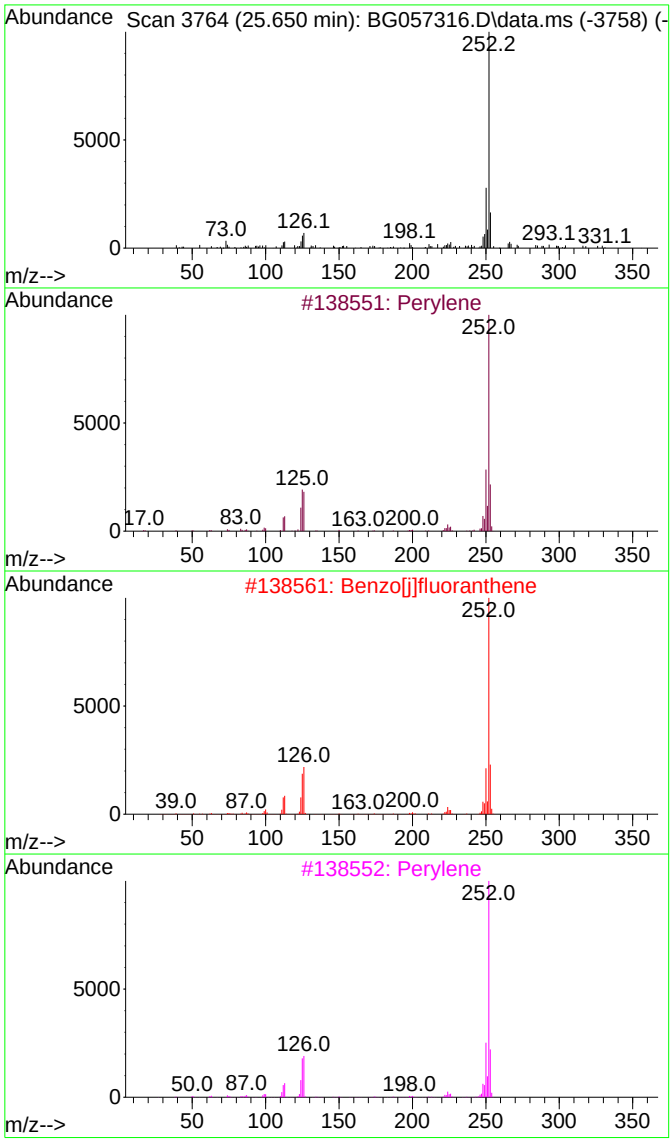
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

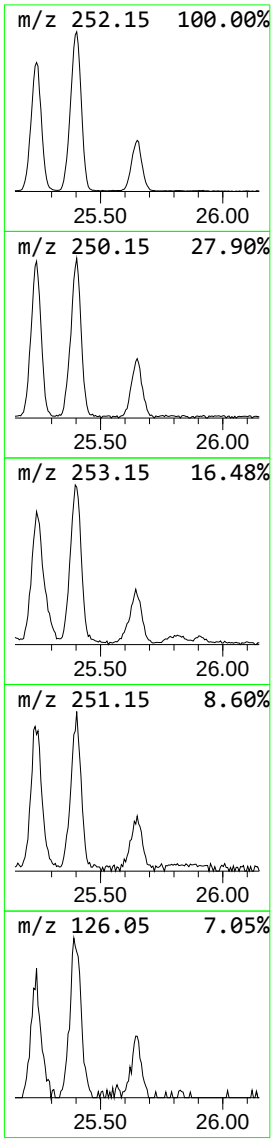
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.650	17.22 ng/ul	188165	Perylene-d12	25.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Perylene	252	C20H12	000198-55-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzothiophene	17.549	2.6	ng/ul	34781	4	17.725	269545	20.0
Anthracene, 1-m...	18.594	5.0	ng/ul	67771	4	17.725	269545	20.0
Phenanthrene, 1...	18.641	6.5	ng/ul	87945	4	17.725	269545	20.0
Phenanthrene, 2...	18.724	2.7	ng/ul	35888	4	17.725	269545	20.0
4H-Cyclopenta[d...	18.794	12.2	ng/ul	163741	4	17.725	269545	20.0
Tricyclo[8.2.2....	19.076	4.7	ng/ul	63335	4	17.725	269545	20.0
9,10-Anthracene...	19.129	3.8	ng/ul	51808	4	17.725	269545	20.0
Phenanthrene, 2...	19.487	3.8	ng/ul	51631	4	17.725	269545	20.0
unknown-01	19.558	3.1	ng/ul	41496	4	17.725	269545	20.0
Cyclopenta(def)...	19.640	6.0	ng/ul	81243	4	17.725	269545	20.0
9-Cyanophenanth...	19.852	2.1	ng/ul	28068	4	17.725	269545	20.0
11H-Benzo[a]flu...	20.433	2.1	ng/ul	113013	5	22.043	1063440	20.0
Pyrene, 1-methyl-	20.604	4.1	ng/ul	217287	5	22.043	1063440	20.0
Benzo[b]naphtho...	21.590	2.9	ng/ul	155971	5	22.043	1063440	20.0
Cyclopenta[cd]p...	21.690	2.9	ng/ul	151452	5	22.043	1063440	20.0
11H-Benzo[a]flu...	21.755	2.4	ng/ul	125472	5	22.043	1063440	20.0
Benzo[c]phenant...	22.260	2.3	ng/ul	124671	5	22.043	1063440	20.0
Perylene	24.721	8.7	ng/ul	94556	6	25.567	218515	20.0
Benzo[e]pyrene	25.238	35.8	ng/ul	391311	6	25.567	218515	20.0
Benzo[j]fluoran...	25.650	17.2	ng/ul	188165	6	25.567	218515	20.0