LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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-BG052124.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG061478.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.075	10	15	29	rVB	360189	582768	28.58%	2.196%
2	3.745	124	129	136	rBV2	15653	26977	1.32%	0.102%
3	3.851	143	147	156	rBV	17132	25126	1.23%	0.095%
4	7.065	686	694	703	rBV2	37500	65683	3.22%	0.247%
5	7.206	710	718	723	rBB2	23104	39078	1.92%	0.147%
6	7.412	748	753	762	rVB2	35751	60370	2.96%	0.227%
7	7.876	824	832	839	rVB	132292	218410	10.71%	0.823%
8	8.598	948	955	961	rBV2	40123	70528	3.46%	0.266%
9	9.033	1022	1029	1036	rBB	37639	65174	3.20%	0.246%
10	9.756	1144	1152	1161	rBB	32564	56222	2.76%	0.212%
11	10.308	1241	1246	1255	rBV2	44479	79888	3.92%	0.301%
12	10.667	1299	1307	1314	rBV	178329	315005	15.45%	1.187%
13	13.916	1850	1860	1866	rBV	91655	133620	6.55%	0.503%
14	14.204	1903	1909	1924	rBV2	94351	176173	8.64%	0.664%
15	14.509	1953	1961	1968	rVV	289006	445426	21.84%	1.678%
16	14.768	2001	2005	2020	rVV6	13584	30983	1.52%	0.117%
17	14.909	2024	2029	2035	rVV	15437	25330	1.24%	0.095%
18	15.508	2121	2131	2135	rBV	119672	183470	9.00%	0.691%
19	15.555	2135	2139	2144	rVB3	23635	34102	1.67%	0.128%
20	15.655	2152	2156	2159	rBV4	20245	29231	1.43%	0.110%
21	15.855	2184	2190	2198	rVB2	15108	26459	1.30%	0.100%
22	16.242	2247	2256	2263	rBV7	19876	44946	2.20%	0.169%
23	16.795	2343	2350	2354	rBV7	16536	33269	1.63%	0.125%
24	16.918	2367	2371	2377	rVB	27742	45886	2.25%	0.173%
25	17.077	2395	2398	2407	rVB	28378	45819	2.25%	0.173%
26	17.265	2423	2430	2433	rBV	355328	544215	26.69%	2.051%
27	17.306	2433	2437	2442	rVV	541233	760152	37.28%	2.864%
28	17.359	2442	2446	2450	rVV	133608	201970	9.90%	0.761%
29	17.394	2450	2452	2457	rVB	63975	76840	3.77%	0.290%
30	17.453	2457	2462	2468	rBV4	23570	43963	2.16%	0.166%
31	17.670	2495	2499	2502	rBV	38142	47699	2.34%	0.180%
32	17.776	2510	2517	2521	rVB3	21256	35522	1.74%	0.134%
33	17.846	2524	2529	2538	rVB3	31777	54893	2.69%	0.207%
34	17.982	2549	2552	2560	rVB2	15185	28587	1.40%	0.108%
35	18.140	2570	2579	2583	rBV	134311	206577	10.13%	0.778%
36	18.187	2583	2587	2593	rVB	174035	247785	12.15%	0.934%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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-BG052124.MA.M
Title : SVOA CALIBRATION

37	18.269	2596	2601	2605	rBV2	30546	47340	2.32%	0.178%
38	18.334	2605	2612	2616	rBV2	167058	317522	15.57%	1.196%
39	18.369	2616	2618	2627	rVB	100076	127326	6.24%	0.480%
40	18.452	2627	2632	2635	rBV6	21013	31038	1.52%	0.117%
41	18.640	2659	2664	2668	rVV	93459	134193	6.58%	0.506%
42	18.687	2668	2672	2678	rVB	110995	155113	7.61%	0.584%
43	18.886	2698	2706	2710	rBV4	45501	94741	4.65%	0.357%
44	18.933	2711	2714	2718	rVB	39842	48198	2.36%	0.182%
45	18.974	2718	2721	2725	rVB2	36746	49931	2.45%	0.188%
46	19.057	2728	2735	2740	rBV	107383	207560	10.18%	0.782%
47	19.151	2749	2751	2755	rVB	36357	38407	1.88%	0.145%
48	19.204	2755	2760	2769	rBV2	93045	178045	8.73%	0.671%
49	19.327	2773	2781	2787	rBV	1391510	1998754	98.02%	7.531%
50	19.386	2787	2791	2794	rBV2	41216	53516	2.62%	0.202%
51	19.421	2794	2797	2802	rVB2	51355	66270	3.25%	0.250%
52	19.474	2802	2806	2809	rBV2	30431	43261	2.12%	0.163%
53	19.527	2810	2815	2818	rBV2	31654	52156	2.56%	0.197%
54	19.568	2818	2822	2825	rVV	48480	68624	3.37%	0.259%
55	19.597	2825	2827	2831	rVB4	25342	25543	1.25%	0.096%
56	19.656	2831	2837	2839	rBV3	366012	557208	27.33%	2.100%
57	19.691	2839	2843	2850	rVB	1228342	1758424	86.24%	6.626%
58	19.756	2850	2854	2860	rVB2	88505	144138	7.07%	0.543%
59	19.862	2868	2872	2879	rVB	67248	109625	5.38%	0.413%
60	19.926	2879	2883	2889	rVB2	76443	121940	5.98%	0.459%
61	20.014	2891	2898	2904	rBV3	123590	329470	16.16%	1.241%
62	20.144	2915	2920	2922	rBV4	89865	154255	7.56%	0.581%
63	20.179	2922	2926	2931	rVB	215059	338546	16.60%	1.276%
64	20.279	2939	2943	2947	rBV2	125972	163119	8.00%	0.615%
65	20.338	2947	2953	2957	rVB2	157311	255833	12.55%	0.964%
66	20.414	2964	2966	2972	rBV4	27541	35790	1.76%	0.135%
67	20.479	2973	2977	2981	rBV	103161	143939	7.06%	0.542%
68	20.526	2981	2985	2988	rVB	98382	129961	6.37%	0.490%
69	20.731	3017	3020	3023	rBV4	32426	49013	2.40%	0.185%
70	20.767	3023	3026	3030	rVV5	29919	52589	2.58%	0.198%
71	20.896	3044	3048	3051	rBV6	29972	50333	2.47%	0.190%
72	20.937	3051	3055	3061	rVB	180957	277808	13.62%	1.047%
73	21.031	3068	3071	3075	rVB	28935	38556	1.89%	0.145%
74	21.107	3077	3084	3088	rBV3	169752	318352	15.61%	1.200%
75	21.148	3088	3091	3095	rVV	139640	218137	10.70%	0.822%
76	21.201	3096	3100	3105	rVV2	156291	293571	14.40%	1.106%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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-BG052124.MA.M
Title : SVOA CALIBRATION

77	21.260	3107	3110	3118	rVB	167225	264166	12.96%	0.995%
78	21.507	3146	3152	3158	rBV3	877871	2039073	100.00%	7.683%
79	21.566	3158	3162	3173	rVB	760737	1309117	64.20%	4.933%
80	21.712	3183	3187	3193	rBV	78824	139658	6.85%	0.526%
81	21.777	3195	3198	3202	rBV3	50068	80081	3.93%	0.302%
82	21.912	3216	3221	3227	rBV3	91647	191329	9.38%	0.721%
83	21.977	3229	3232	3237	rVB7	43953	72224	3.54%	0.272%
84	22.224	3267	3274	3279	rVB	151805	298151	14.62%	1.123%
85	22.294	3281	3286	3294	rVB2	94397	202859	9.95%	0.764%
86	22.382	3296	3301	3305	rBV3	31720	60007	2.94%	0.226%
87	22.488	3314	3319	3323	rBV	88481	160782	7.89%	0.606%
88	22.529	3323	3326	3334	rVB4	72347	136772	6.71%	0.515%
89	22.623	3337	3342	3348	rVB3	56051	119421	5.86%	0.450%
90	23.040	3409	3413	3416	rBV2	24279	46633	2.29%	0.176%
91	23.281	3448	3454	3464	rVB2	59136	160494	7.87%	0.605%
92	23.645	3506	3516	3522	rBV	591241	1834973	89.99%	6.914%
93	23.881	3550	3556	3565	rVB	101134	235303	11.54%	0.887%
94	24.074	3584	3589	3592	rBV3	37857	76509	3.75%	0.288%
95	24.333	3625	3633	3640	rBV	310972	782903	38.40%	2.950%
96	24.474	3650	3657	3669	rVB	505550	1283126	62.93%	4.835%
97	24.615	3673	3681	3688	rVV	279695	801343	39.30%	3.019%
98	24.691	3689	3694	3707	rVB3	135744	404056	19.82%	1.522%
99	28.134	4268	4280	4297	rVB3	193142	929026	45.56%	3.500%
100	29.227	4454	4466	4480	rBV3	115769	525580	25.78%	1.980%

Sum of corrected areas: 26539877

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
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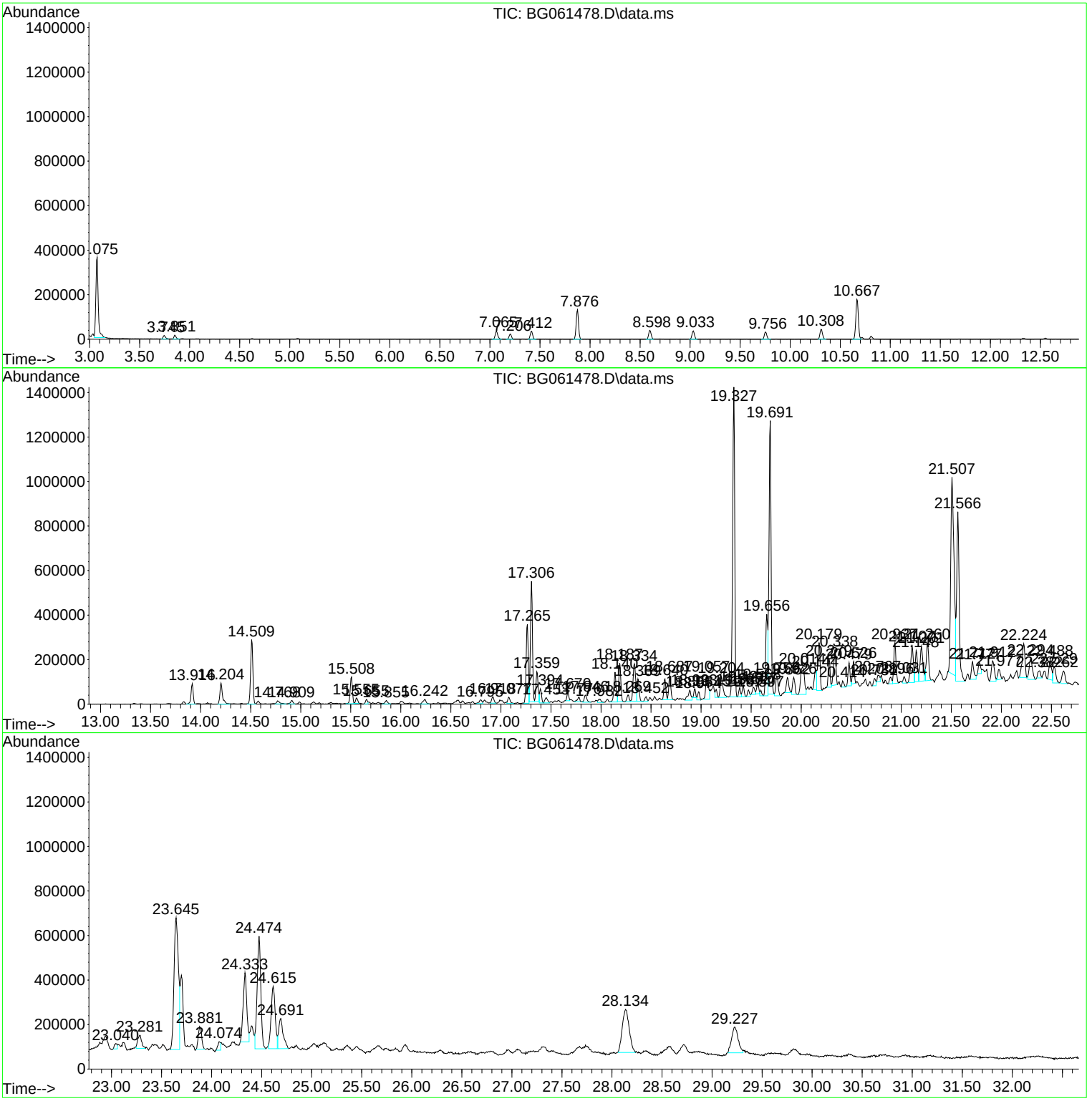
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.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\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

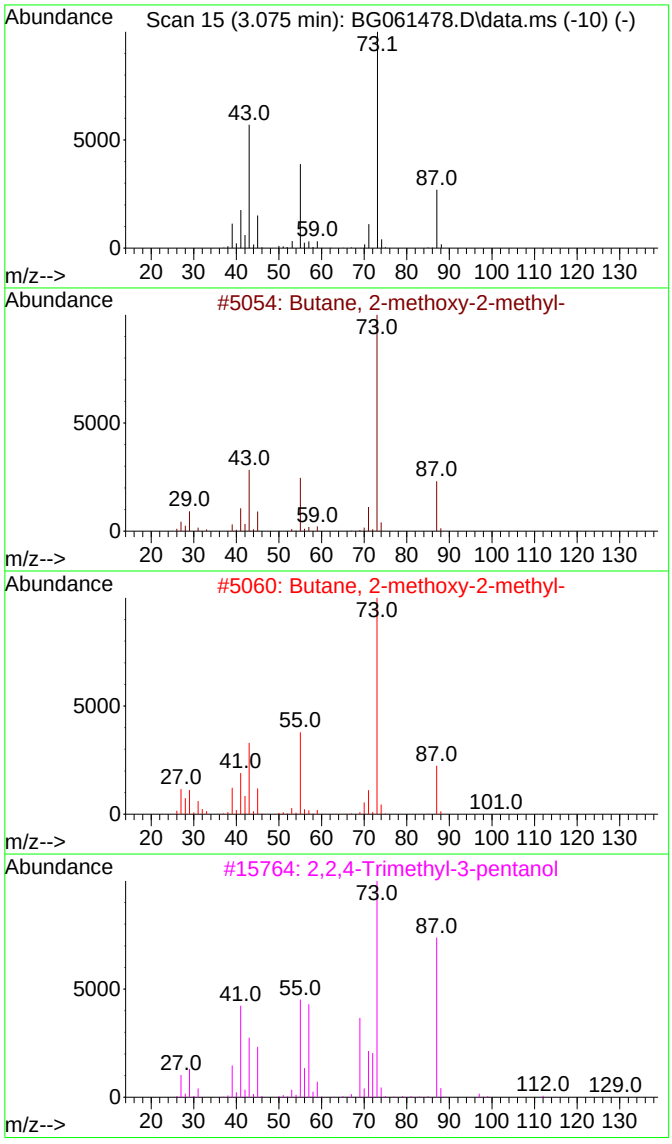
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

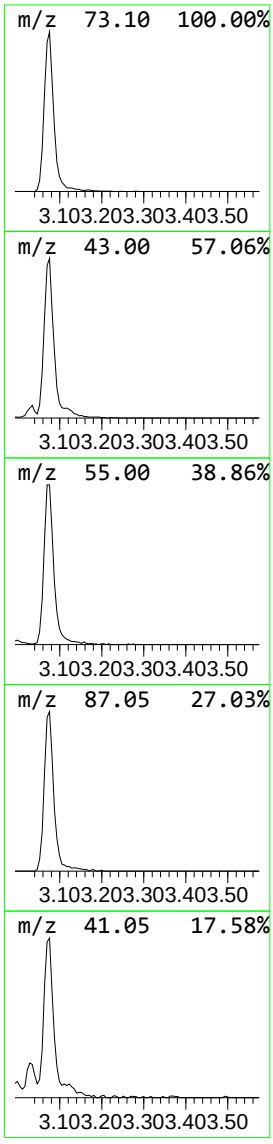
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.075	53.36 ng/ul	582768	1,4-Dichlorobenzene-d4	7.876

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	17
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

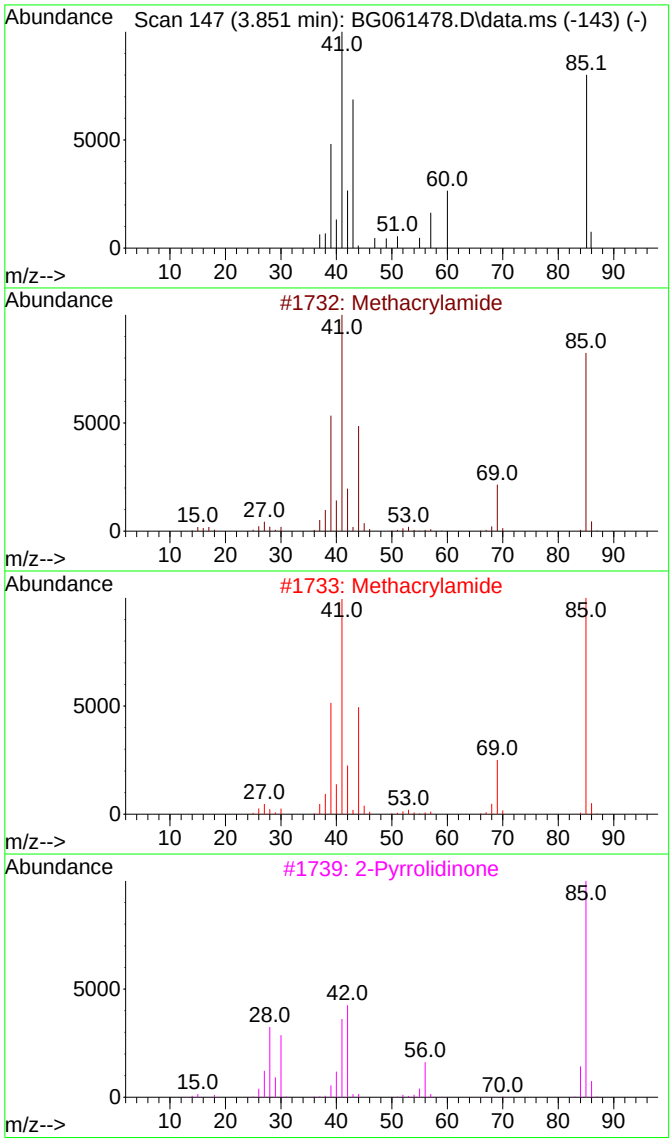
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

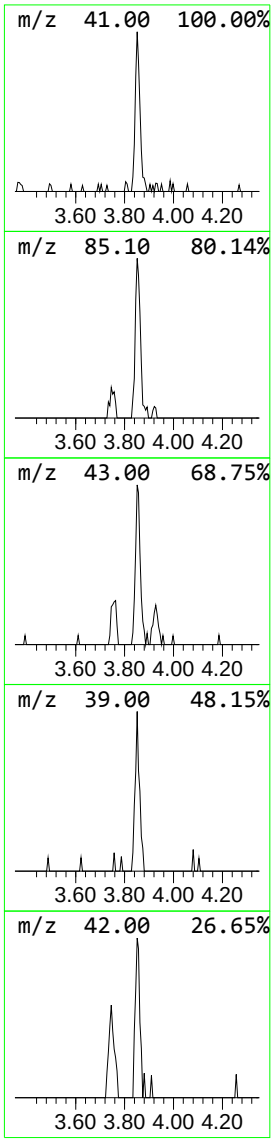
****

Peak Number 2 Methacrylamide Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.851	2.30 ng/ul	25126	1,4-Dichlorobenzene-d4	7.876

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	59
2	Methacrylamide	85	C4H7NO	000079-39-0	59
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	38
4	trans-Crotonamide	85	C4H7NO	000625-37-6	36
5	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

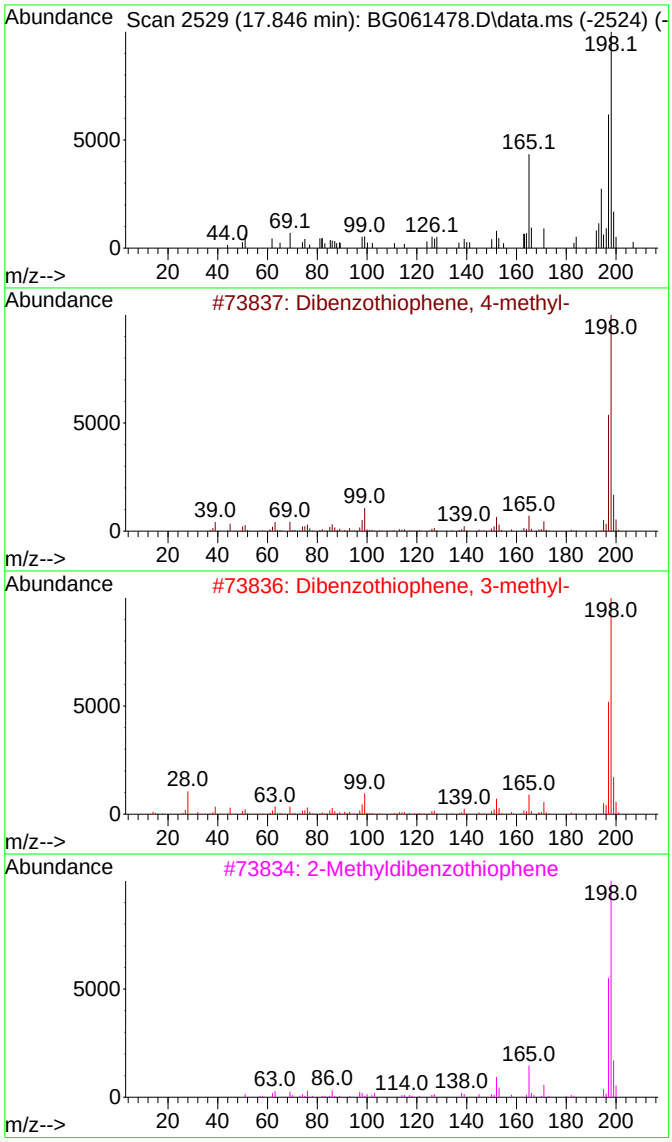
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

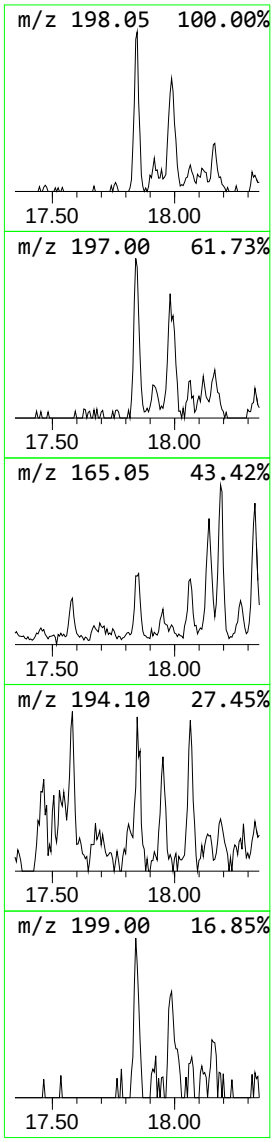
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Dibenzothiophene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.846	2.02 ng/ul	54893	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	58
4	Thioxanthene	198	C13H10S	000261-31-4	53
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

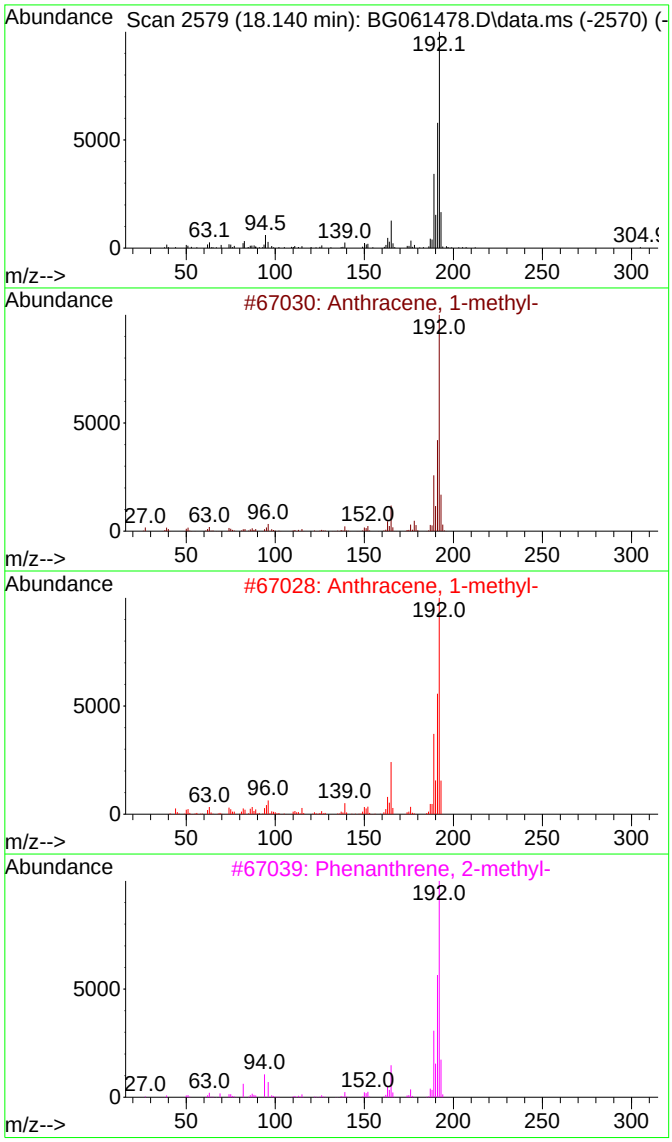
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

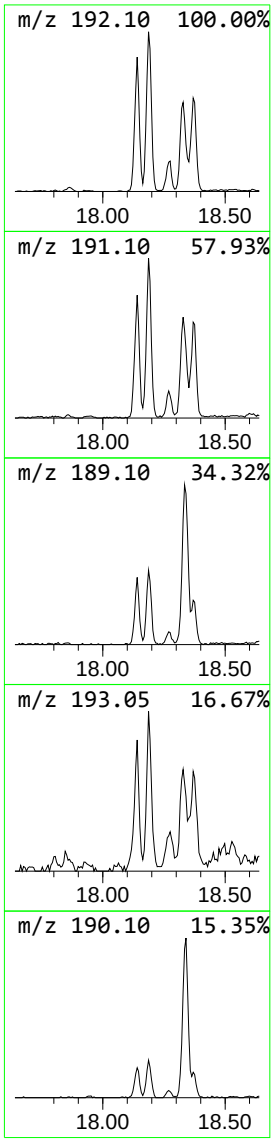
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.140	7.59 ng/ul	206577	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

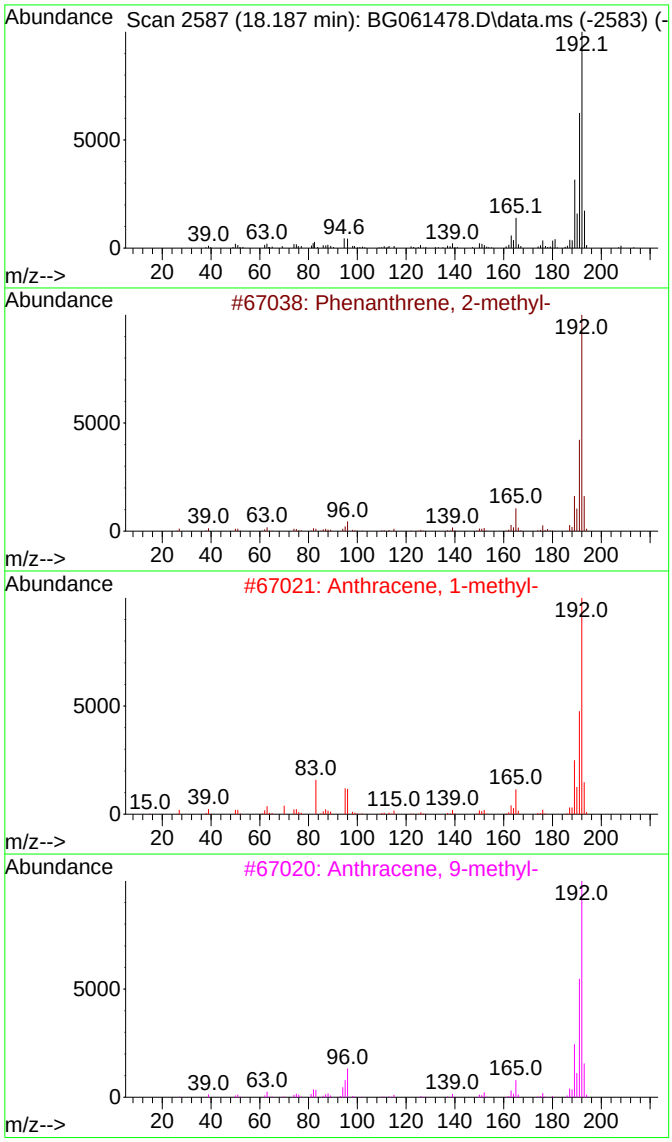
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

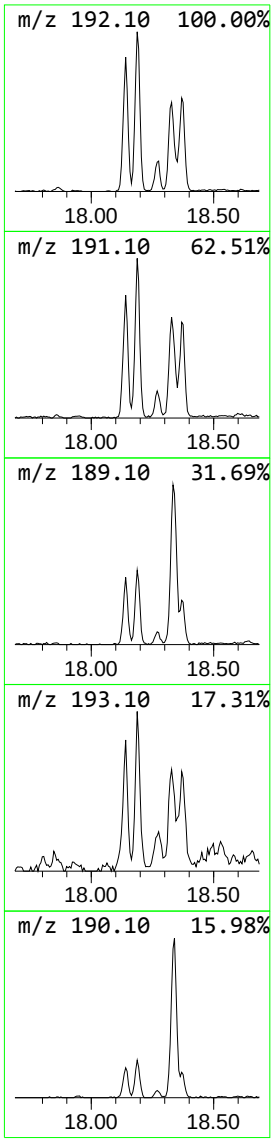
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.187	9.11 ng/ul	247785	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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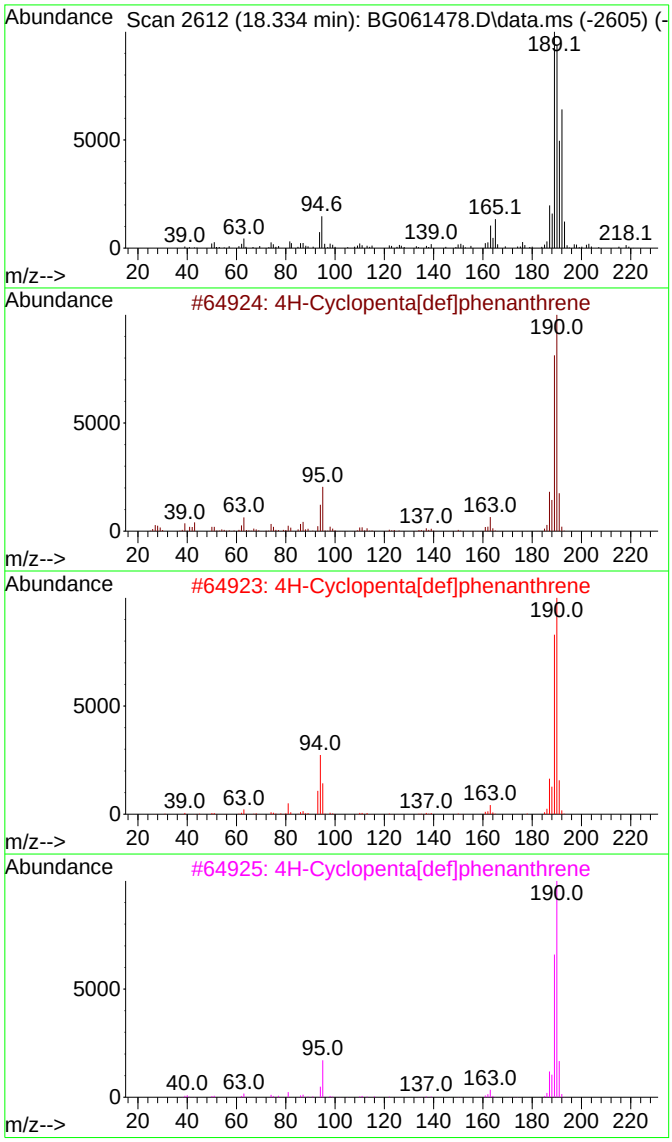
Quant Title : SVOA CALIBRATION

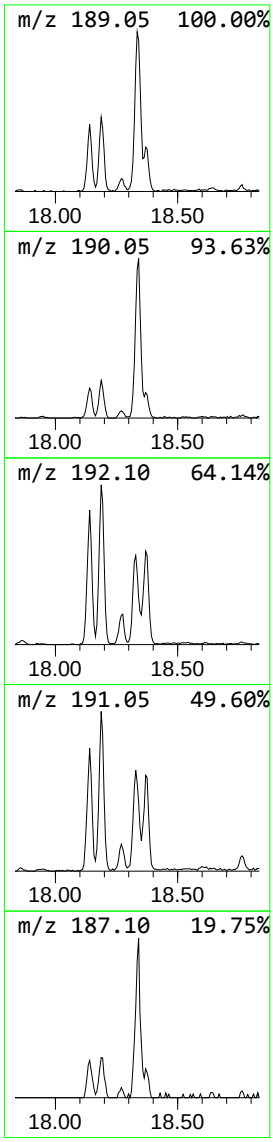
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.334	11.67 ng/ul	317522	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





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Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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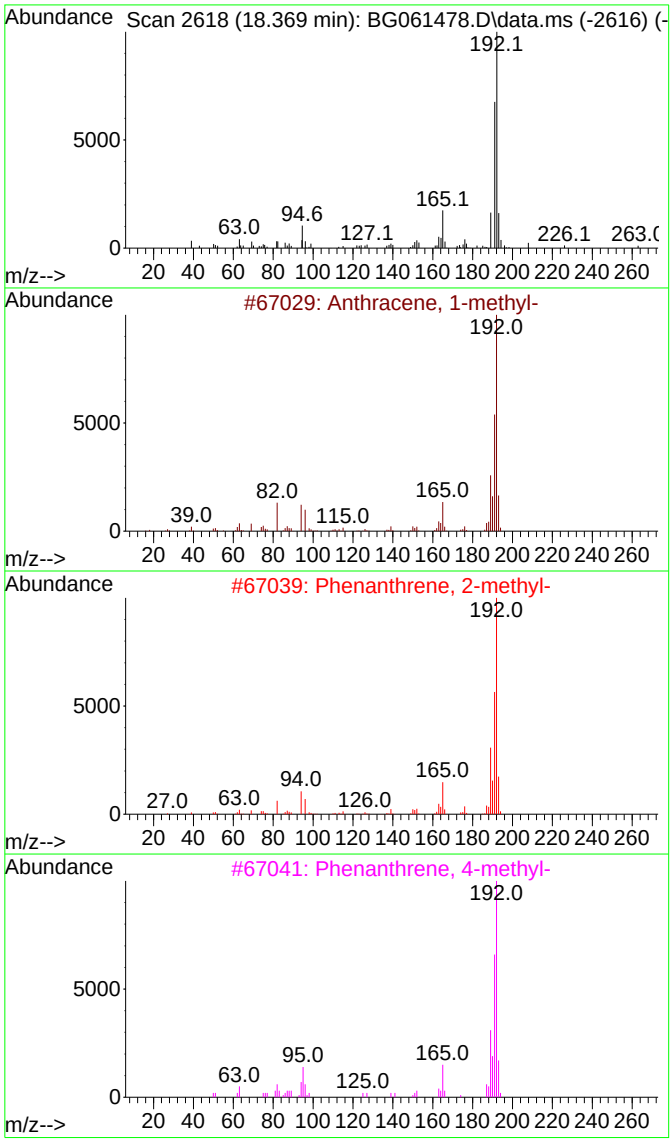
Quant Title : SVOA CALIBRATION

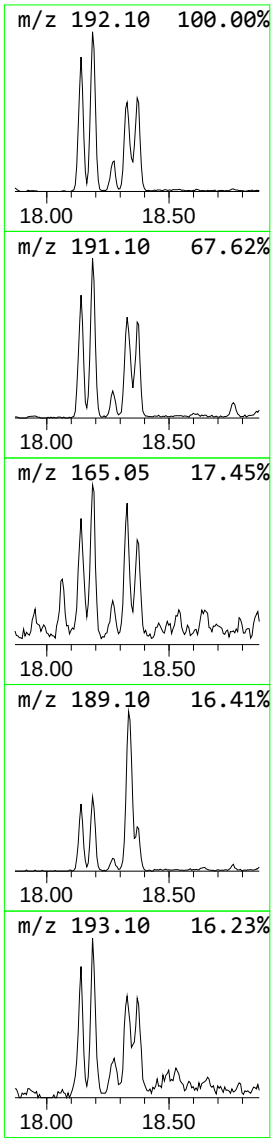
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.369	4.68 ng/ul	127326	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

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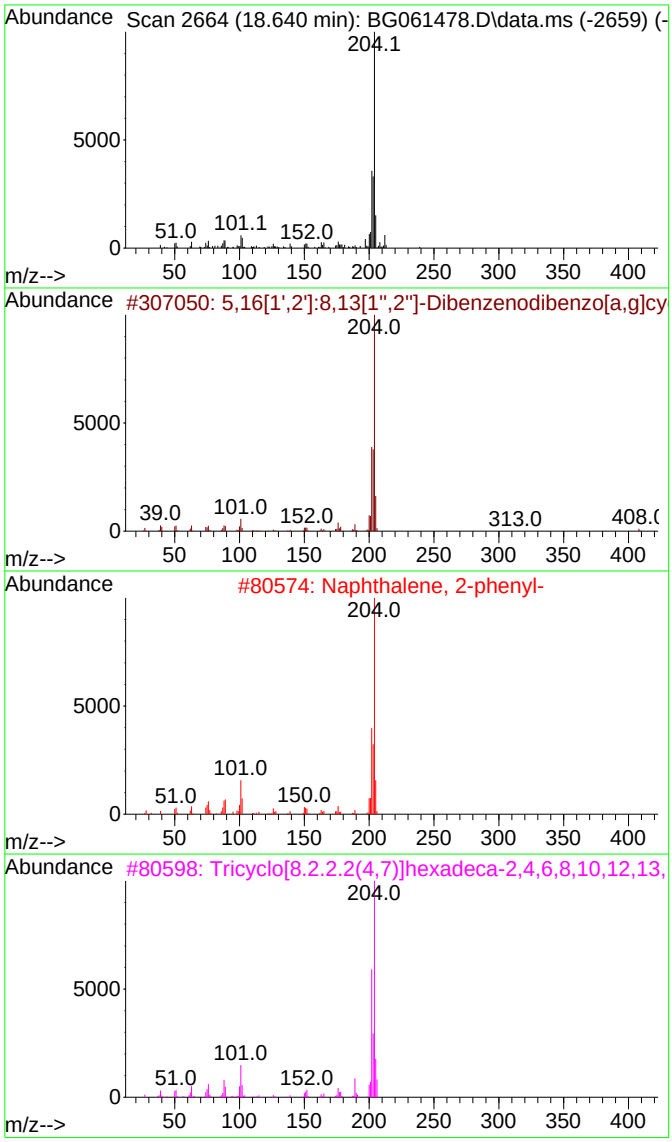
Quant Title : SVOA CALIBRATION

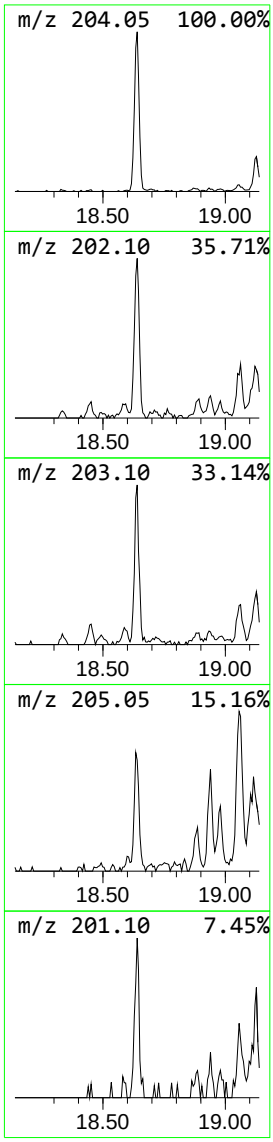
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.640	4.93 ng/ul	134193	Phenanthrene-d10	17.265

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

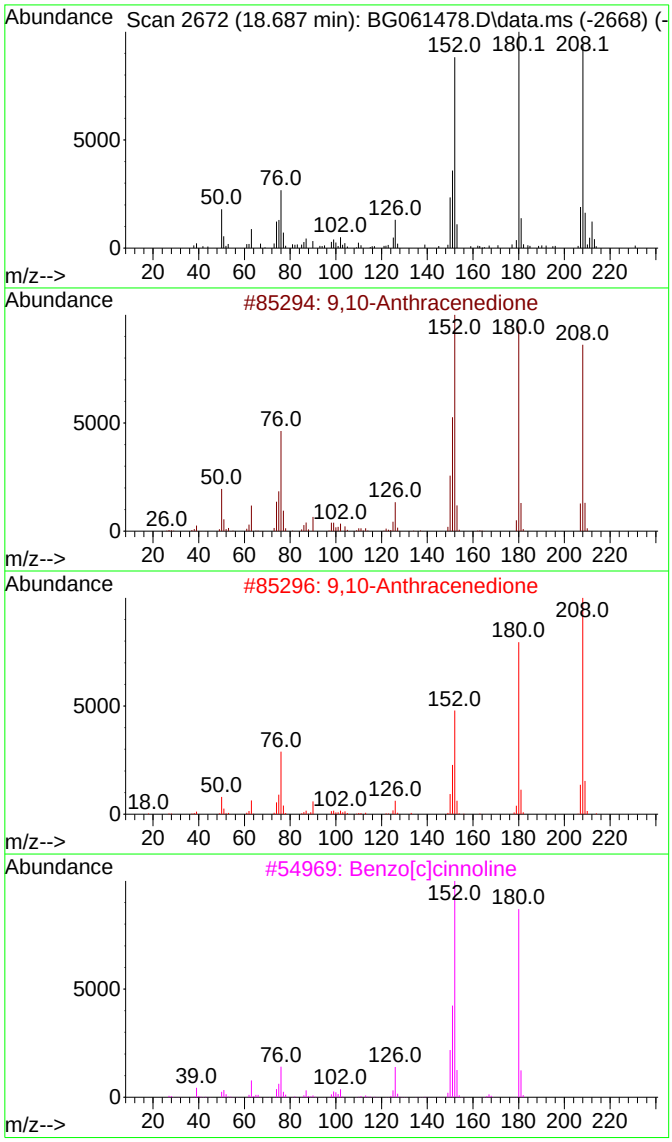
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

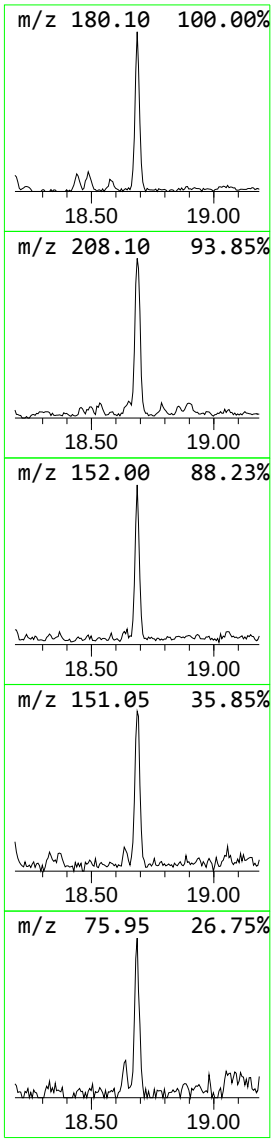
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.687	5.70 ng/ul	155113	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION

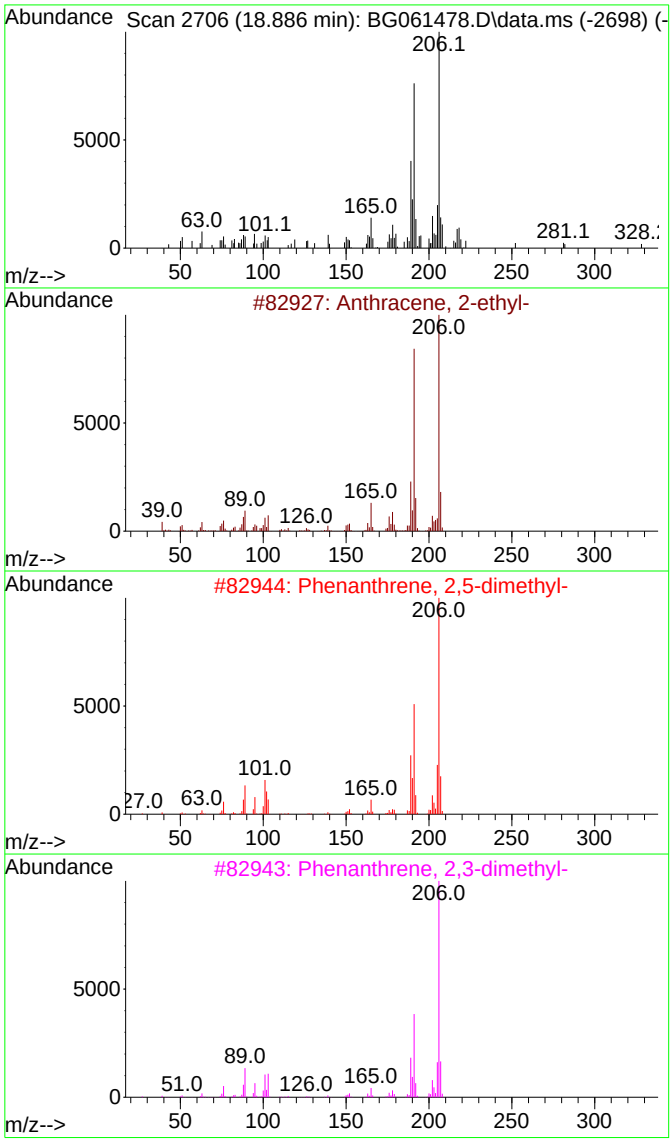
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

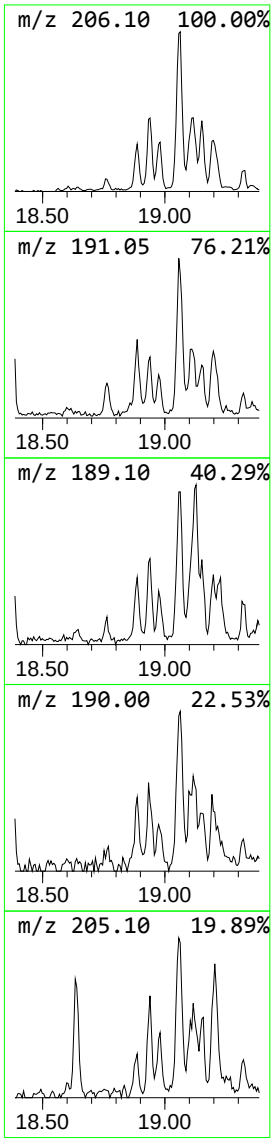
****

Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.886	3.48 ng/ul	94741	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	92
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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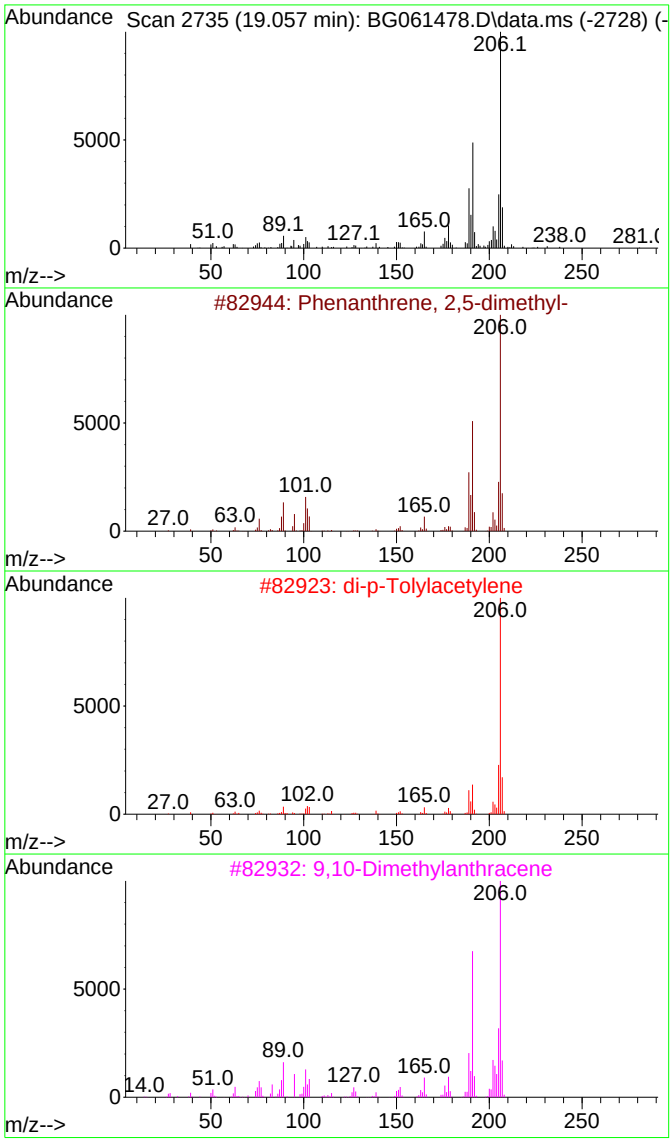
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

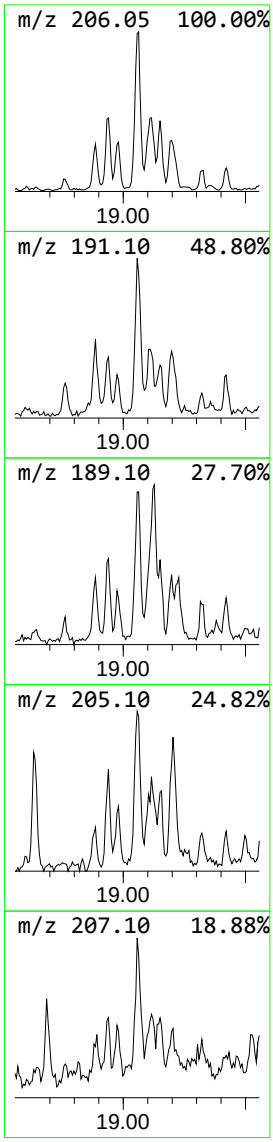
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.057	7.63 ng/ul	207560	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

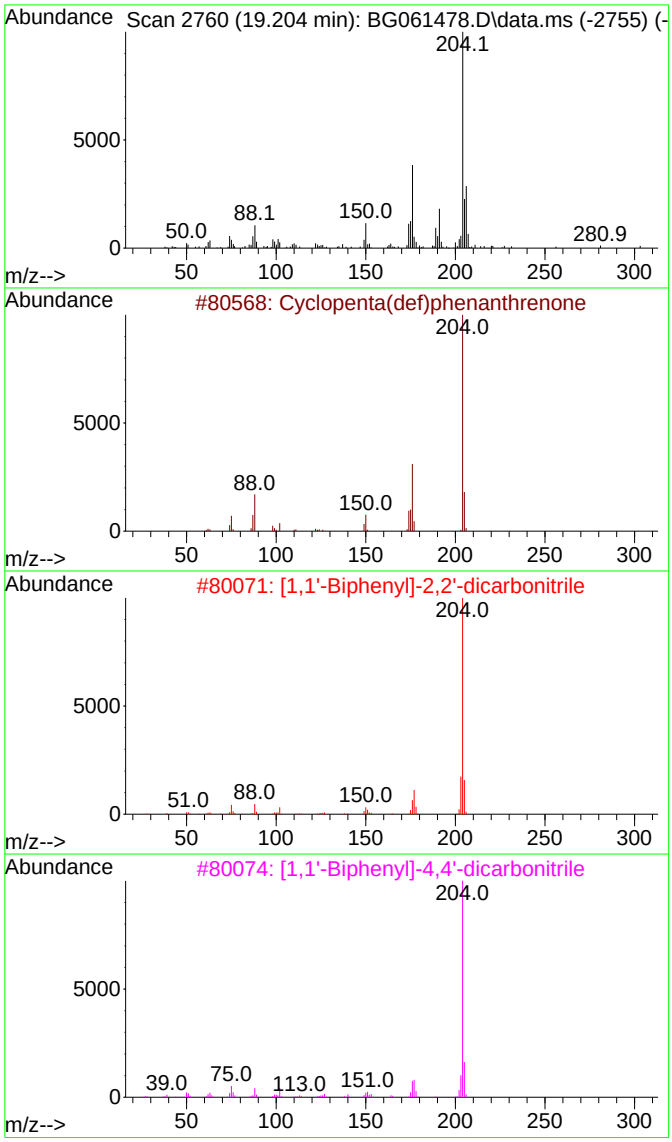
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

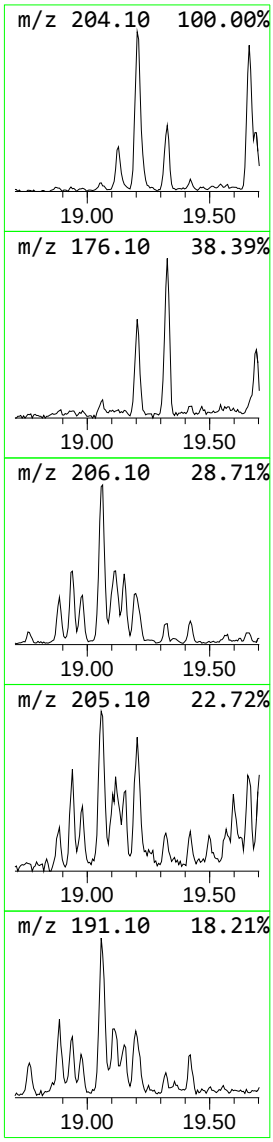
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.204	6.54 ng/ul	178045	Phenanthrene-d10	17.265

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	43
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38





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Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

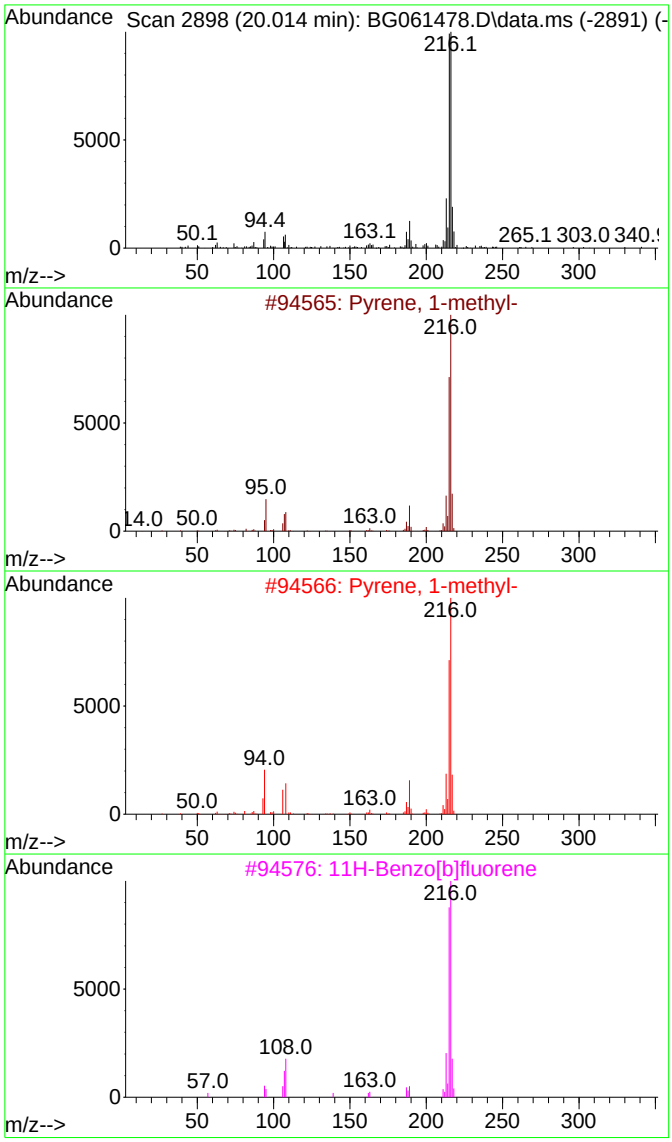
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

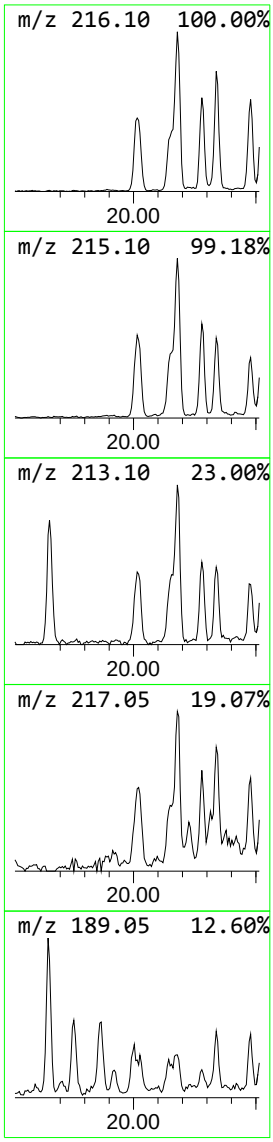
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.014	3.23 ng/ul	329470	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

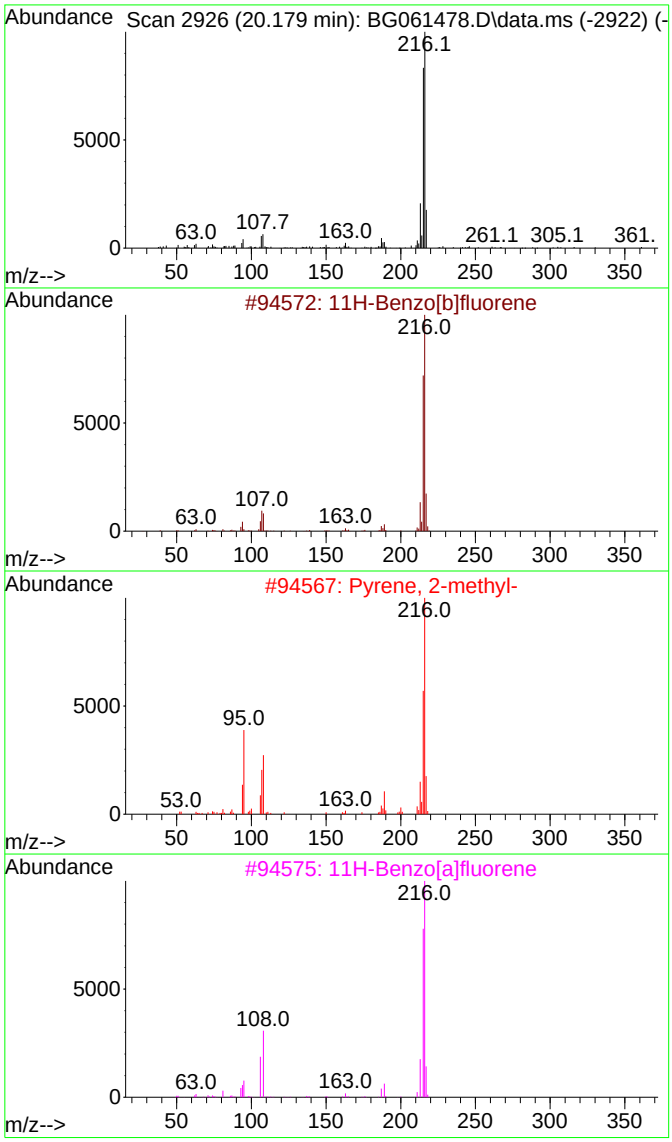
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

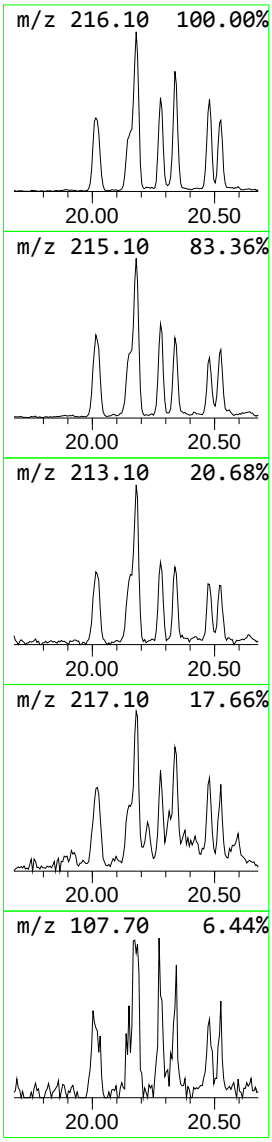
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.179	3.32 ng/ul	338546	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

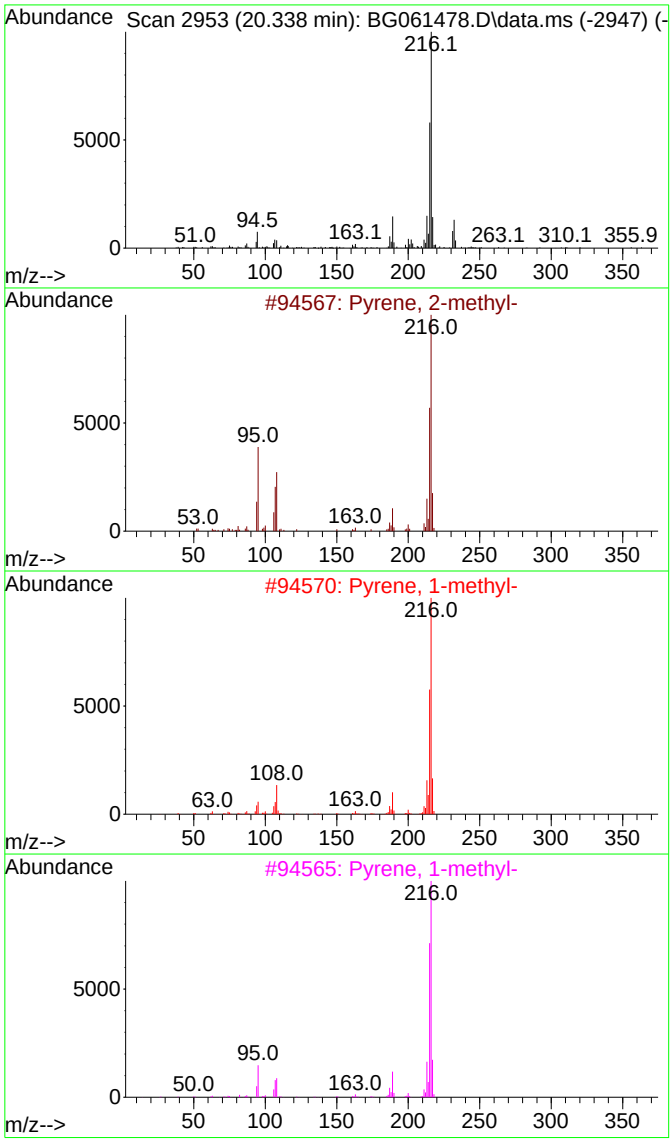
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

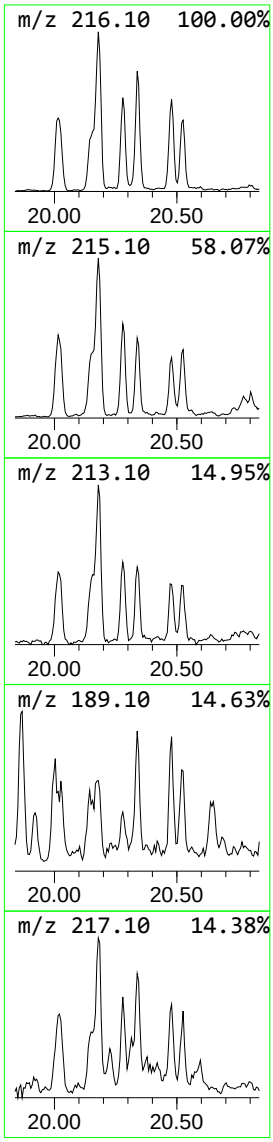
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.338	2.51 ng/ul	255833	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Sample : P2589-04DL 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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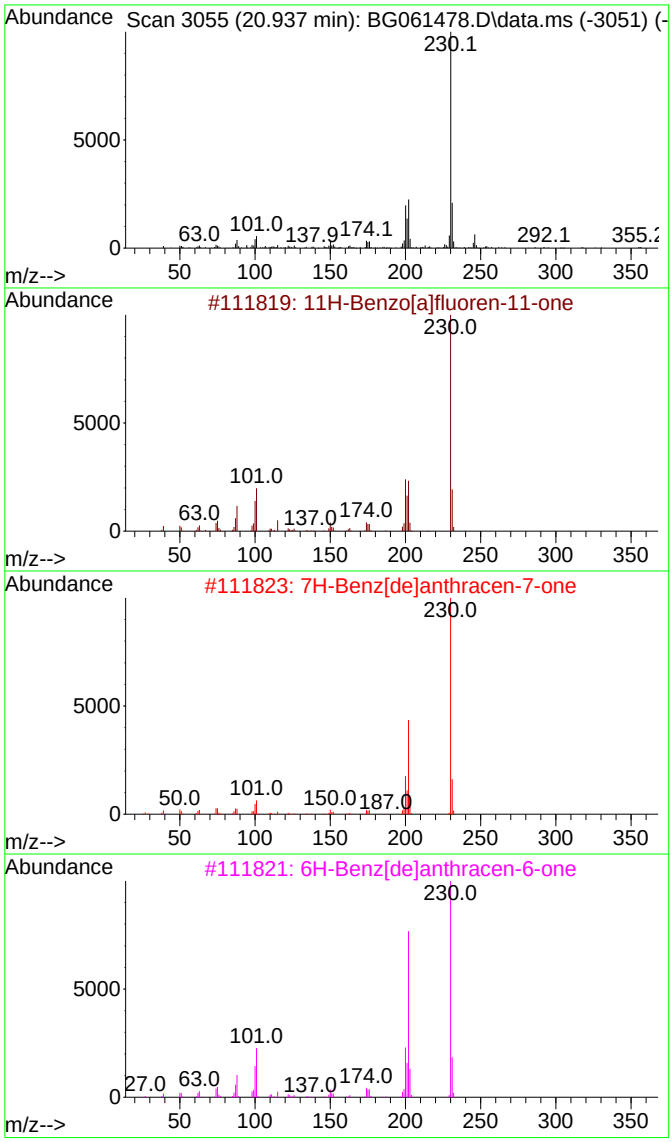
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

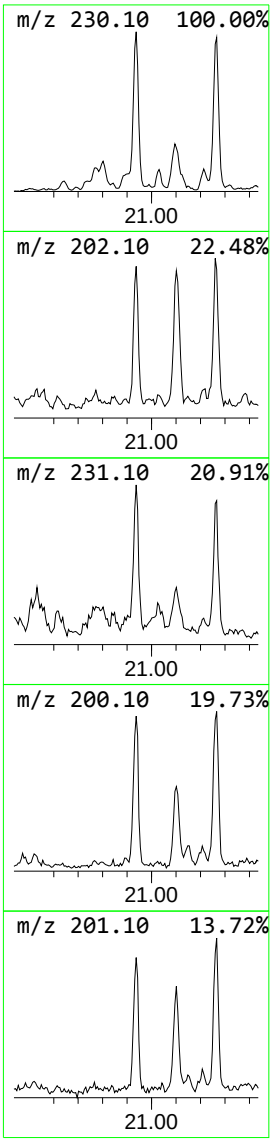
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.937	2.72 ng/ul	277808	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BH5W5DL

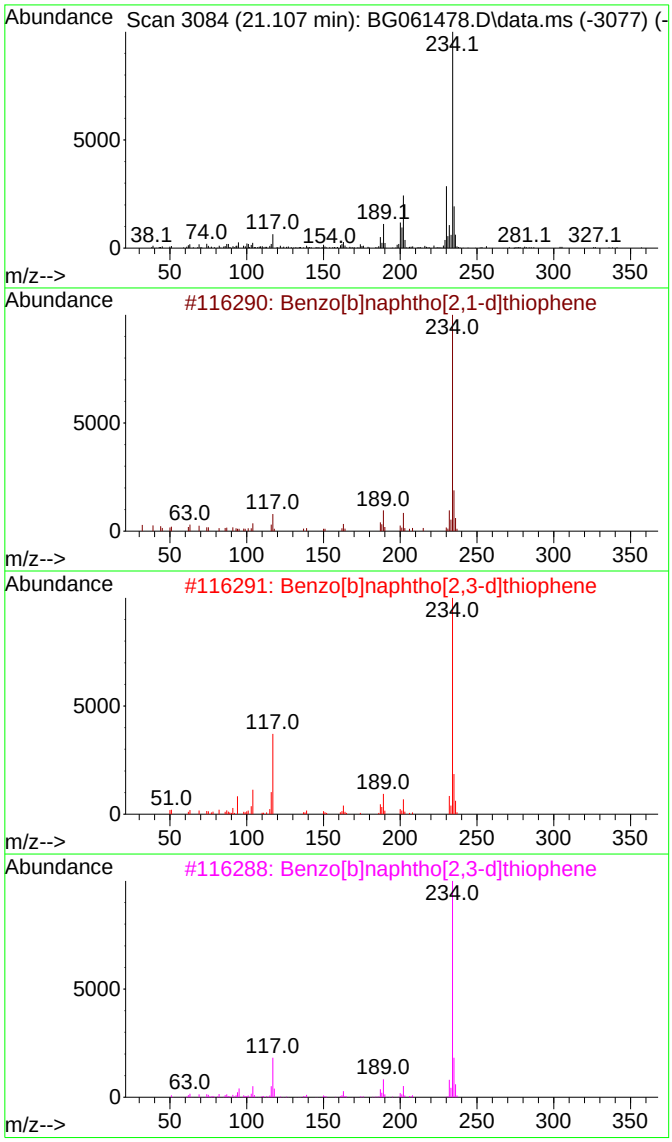
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

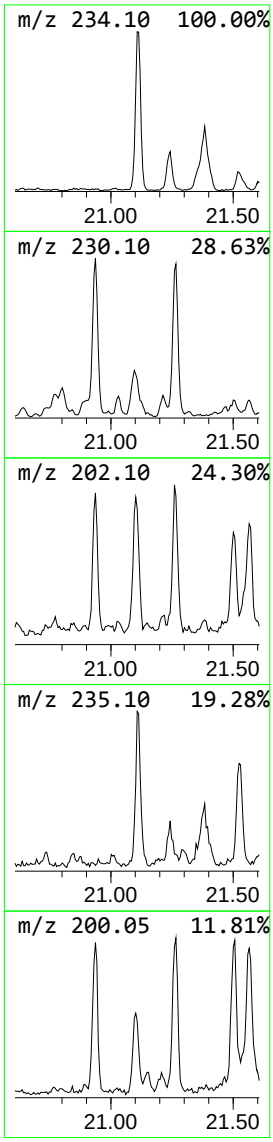
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.107	3.12 ng/ul	318352	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

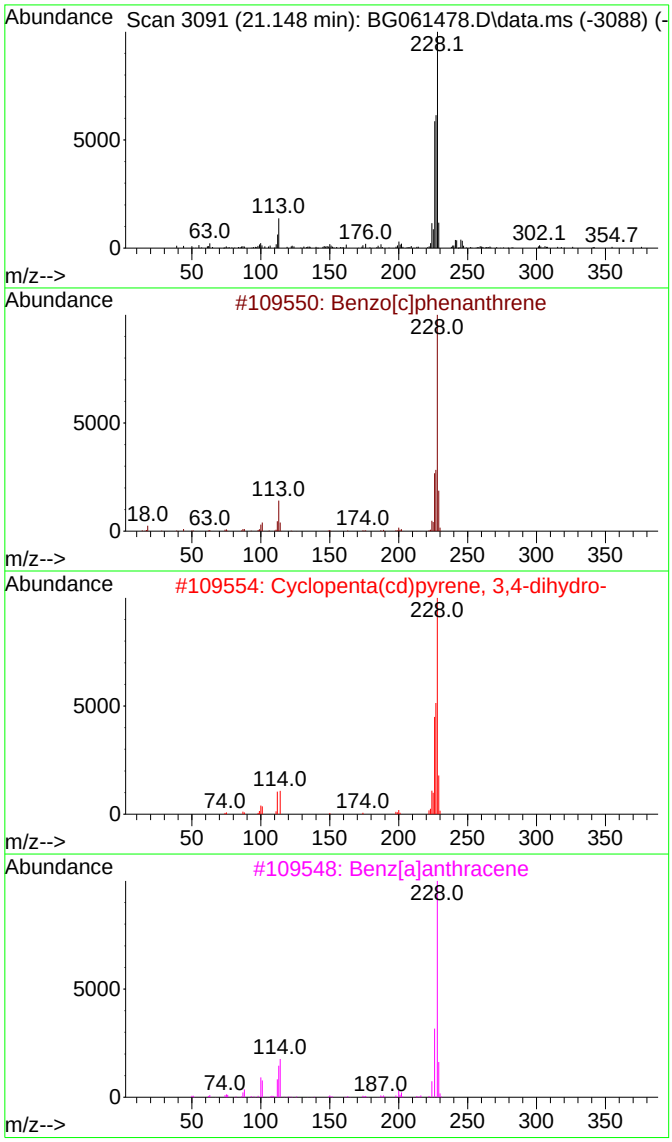
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

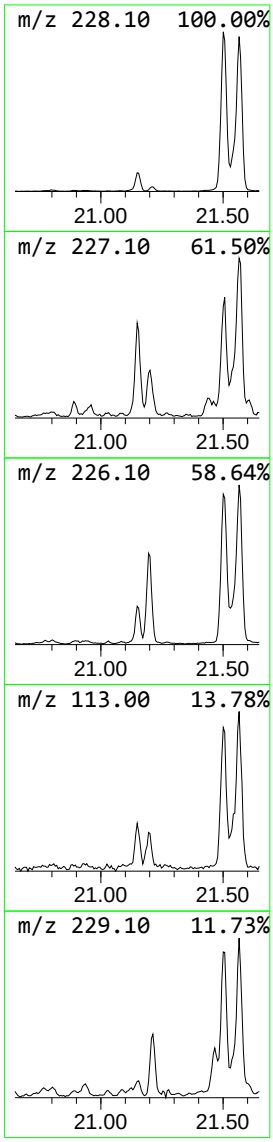
****

Peak Number 18 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.148	2.14 ng/ul	218137	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
3	Benz[a]anthracene	228	C18H12	000056-55-3	45
4	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	42
5	Triphenylene	228	C18H12	000217-59-4	38





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Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

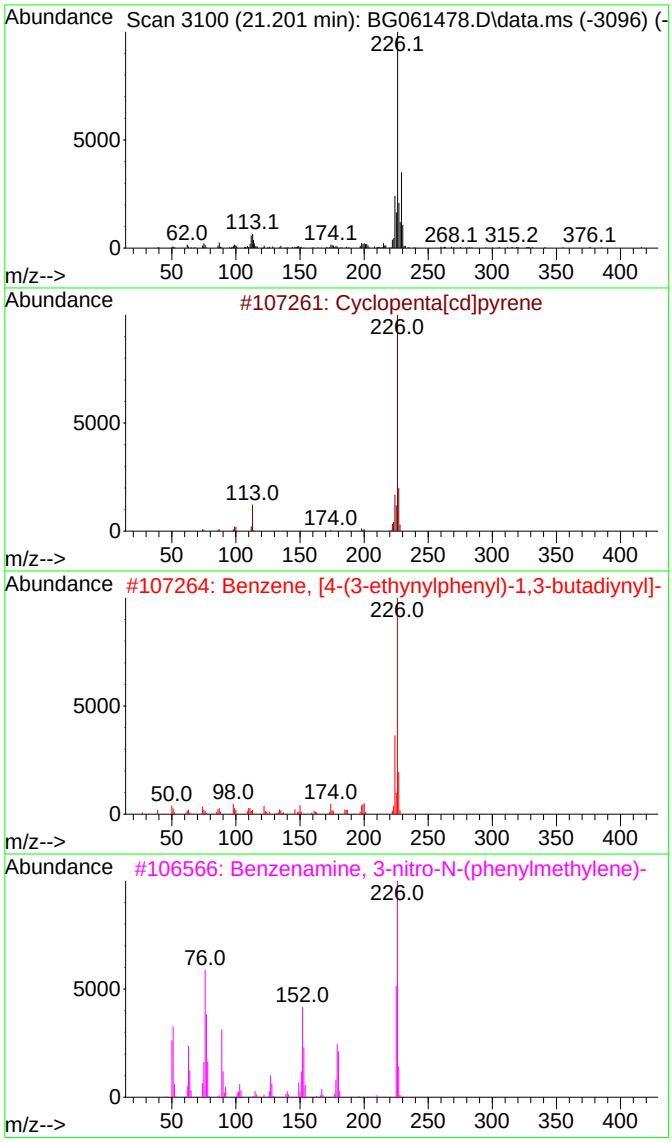
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

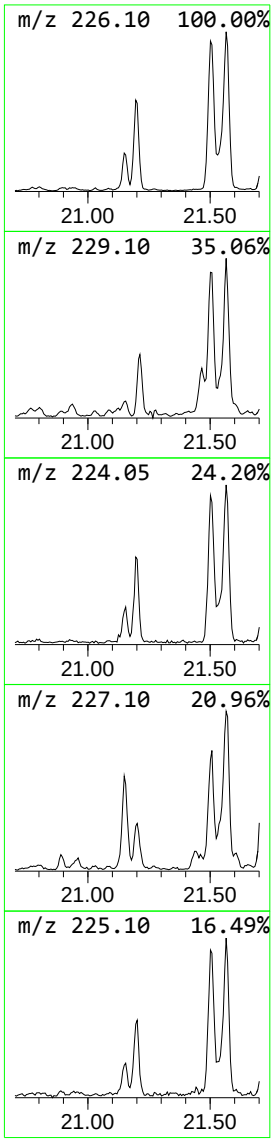
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.201	2.88 ng/ul	293571	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
3	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	47
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	43
5	L-Leucine, N,N-di(3-methylbutyl)...	285	C17H35NO2	1000452-94-0	40





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

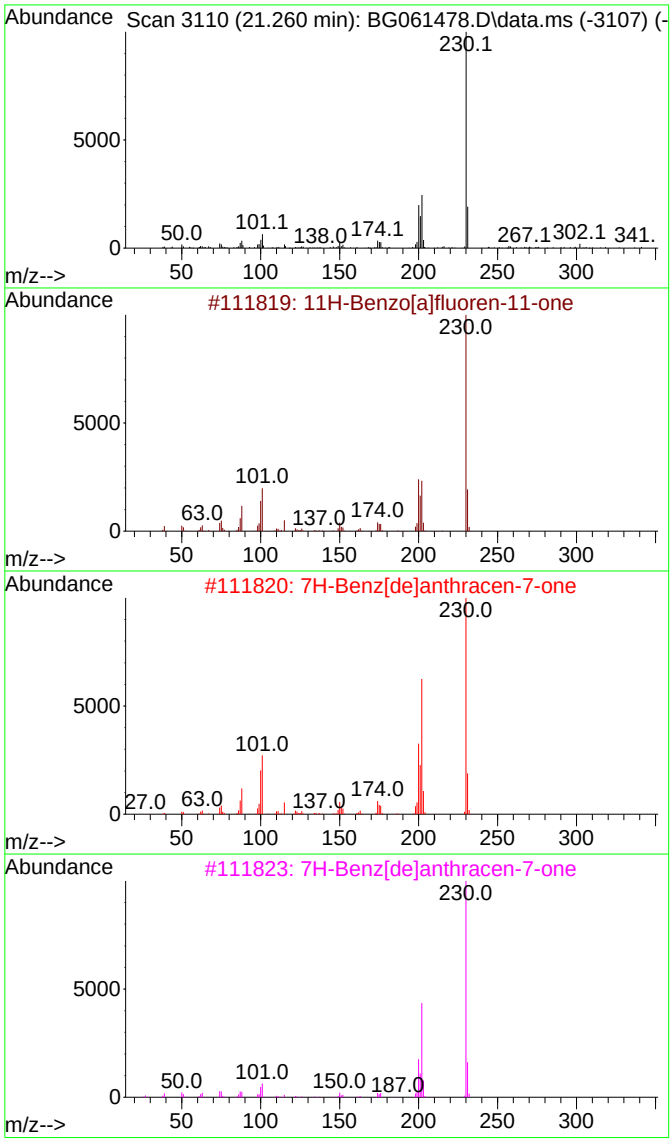
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

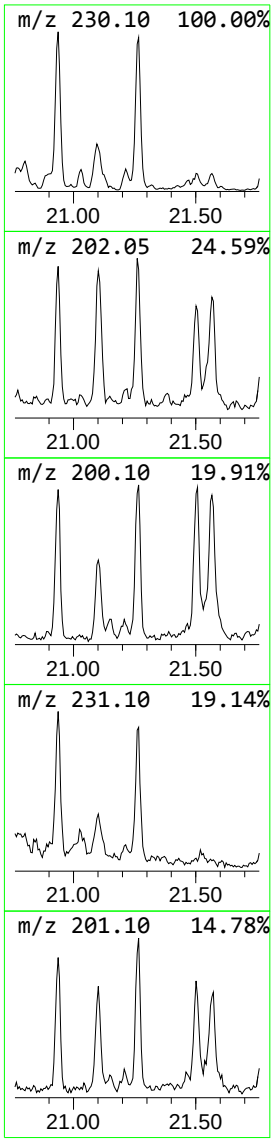
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 7H-Benz[de]anthracen-7-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.260	2.59 ng/ul	264166	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

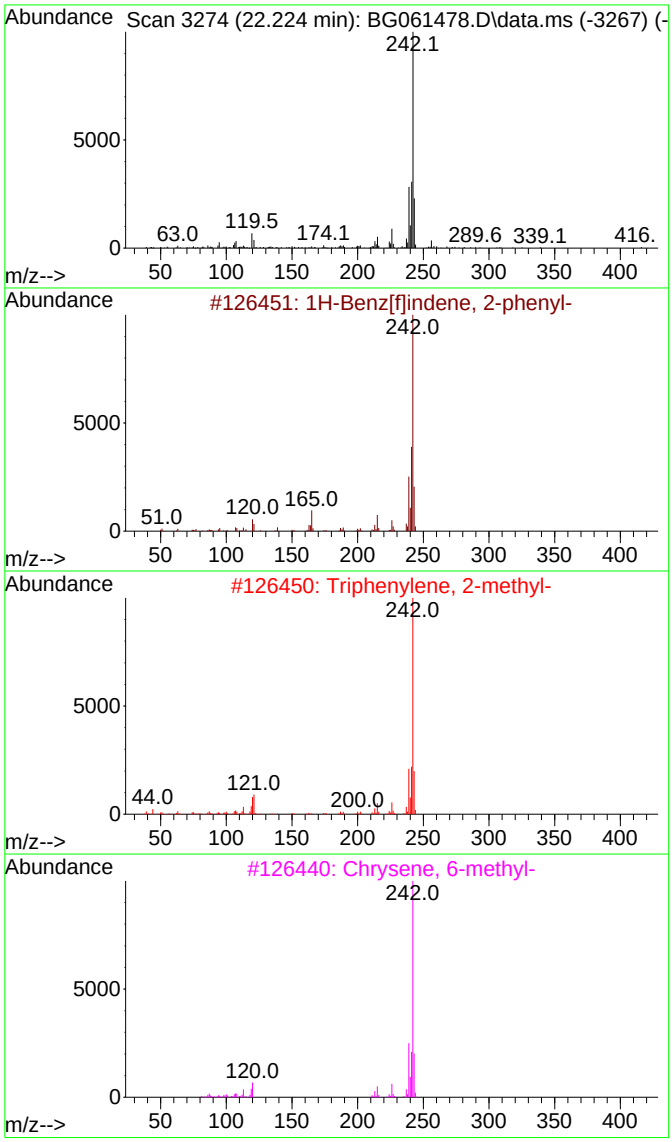
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

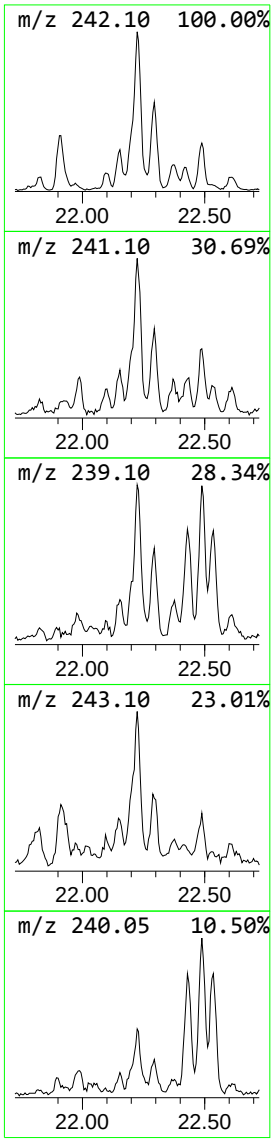
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1H-Benz[f]indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.224	2.92 ng/ul	298151	Chrysene-d12	21.524

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

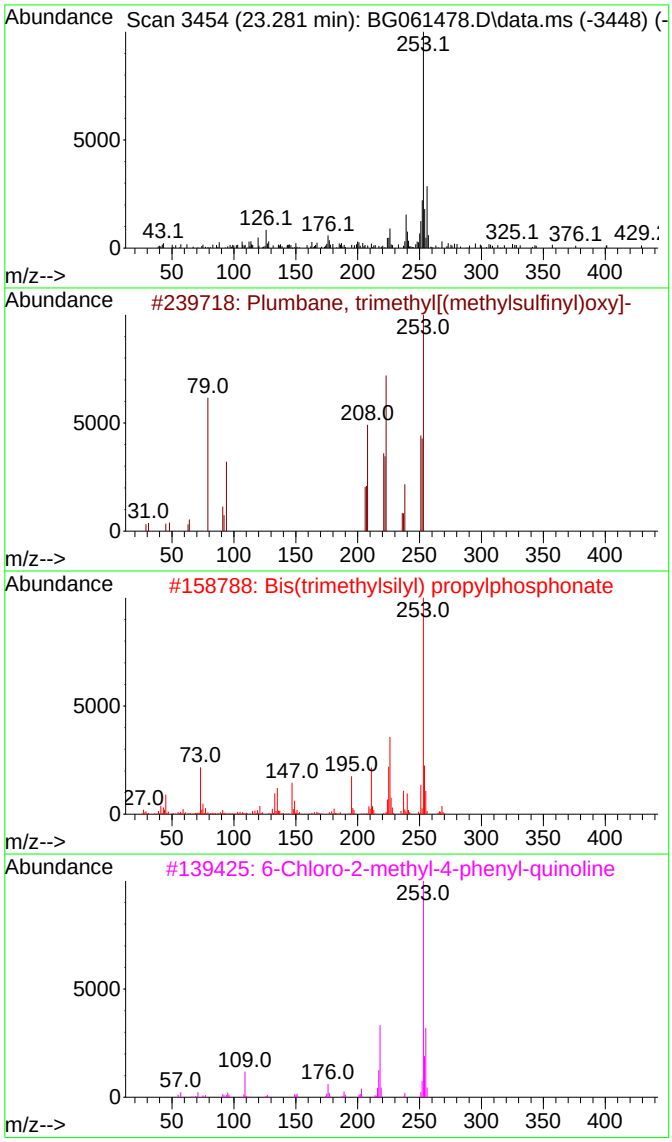
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

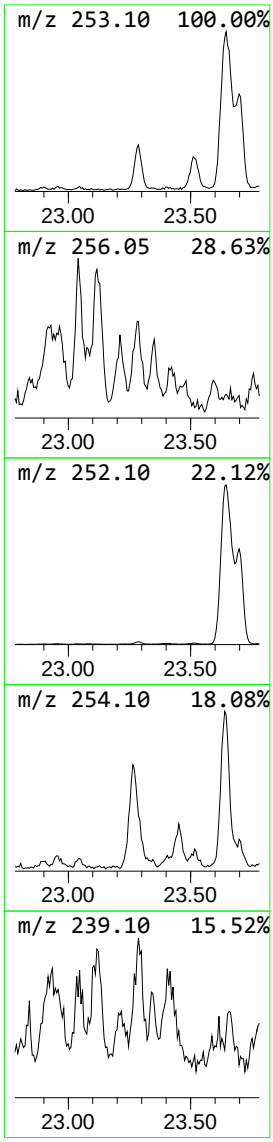
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Plumbane, trimethyl[(methyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.281	4.01 ng/ul	160494	Perylene-d12	24.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Plumbane, trimethyl[(methylsulfi...	332	C4H12O2PbS	044657-41-2	53
2	Bis(trimethylsilyl) propylphosph...	268	C9H25O3PSi2	1000193-07-4	52
3	6-Chloro-2-methyl-4-phenyl-quino...	253	C16H12ClN	022609-12-7	47
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	47
5	10-Chloro-14-azatetracyclo[7.6.1...	253	C15H8ClNO	1000436-07-3	47





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Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

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

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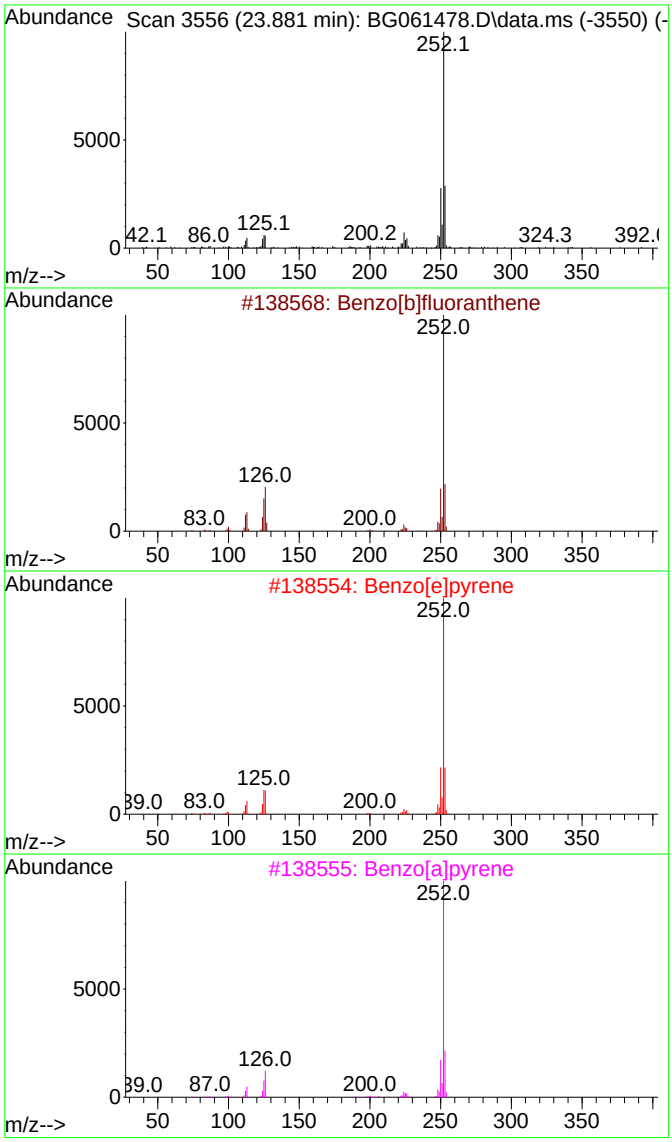
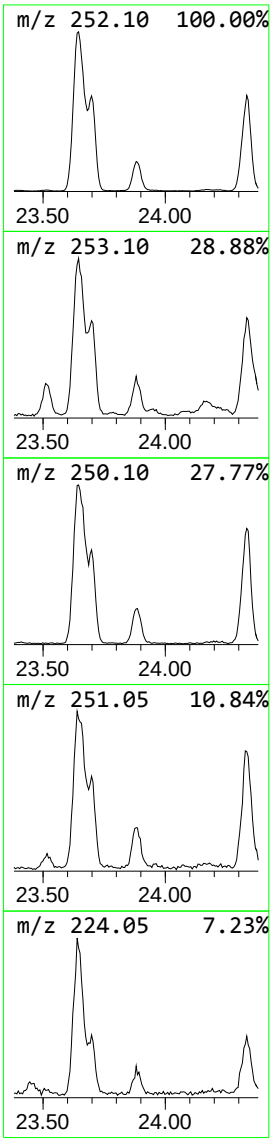
Peak Number 23 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.881	5.87 ng/ul	235303	Perylene-d12	24.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
2	Benzo[e]pyrene	252	C20H12	000192-97-2	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

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

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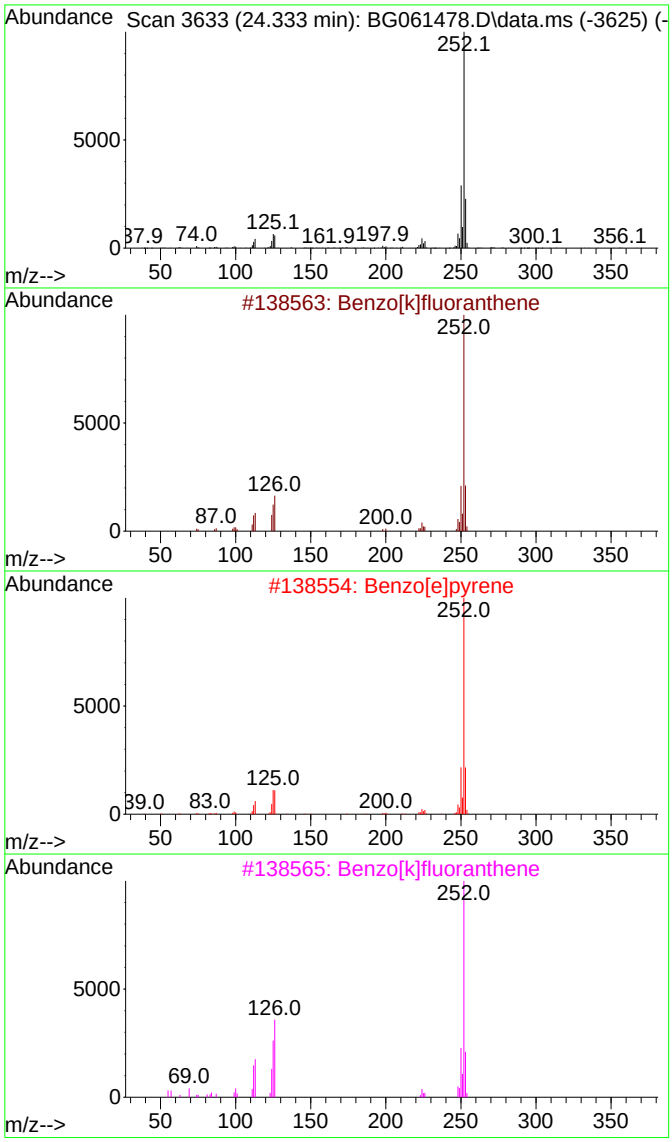
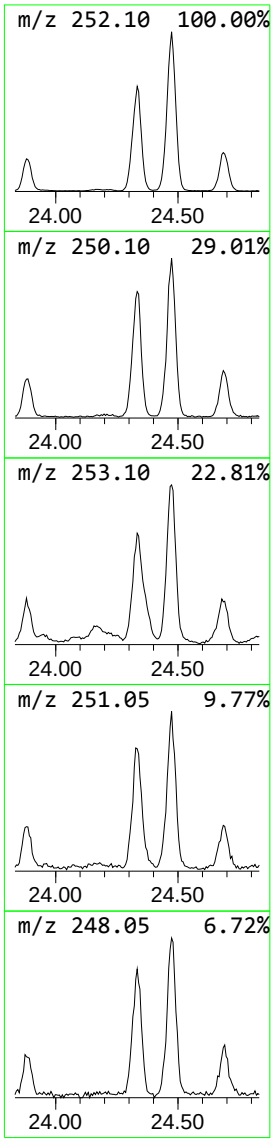
Peak Number 24 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.333	19.54 ng/ul	782903	Perylene-d12	24.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

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

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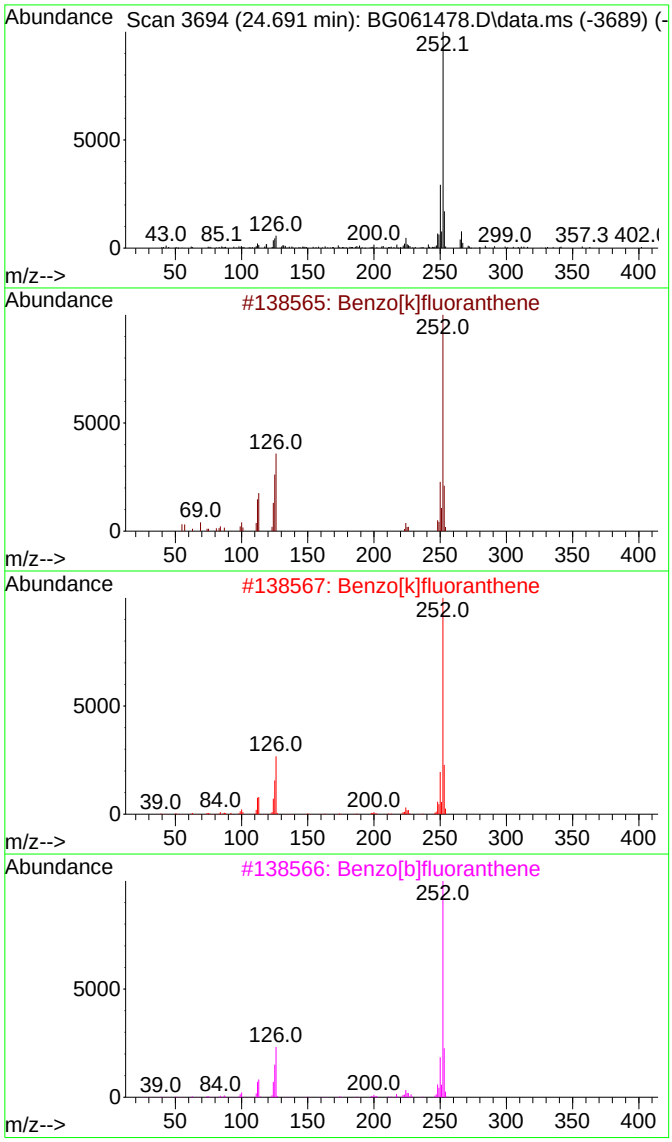
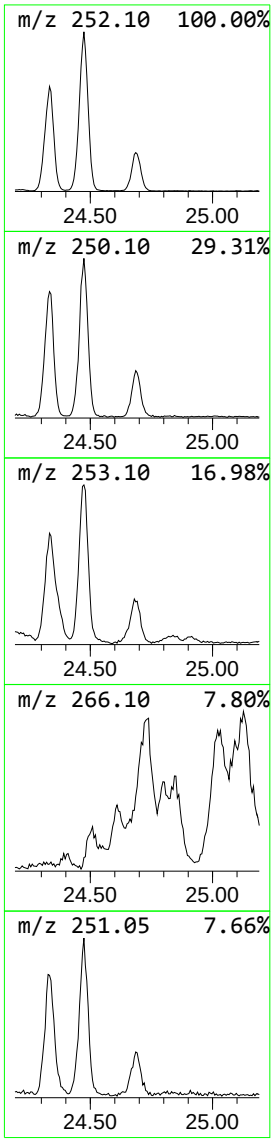
Peak Number 25 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.691	10.08 ng/ul	404056	Perylene-d12	24.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	70
4	Benzo[e]pyrene	252	C20H12	000192-97-2	68
5	Benzo[a]pyrene	252	C20H12	000050-32-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061478.D
Acq On : 5 Jun 2024 7:17
Operator : MA/JU
Sample : P2589-04DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.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
Butane, 2-metho...	3.075	53.4	ng/ul	582768	1	7.876	218410	20.0
Methacrylamide	3.851	2.3	ng/ul	25126	1	7.876	218410	20.0
Dibenzothiophen...	17.846	2.0	ng/ul	54893	4	17.265	544215	20.0
Anthracene, 1-m...	18.140	7.6	ng/ul	206577	4	17.265	544215	20.0
Phenanthrene, 2...	18.187	9.1	ng/ul	247785	4	17.265	544215	20.0
4H-Cyclopenta[d...	18.334	11.7	ng/ul	317522	4	17.265	544215	20.0
Phenanthrene, 4...	18.369	4.7	ng/ul	127326	4	17.265	544215	20.0
5,16[1',2']:8,1...	18.640	4.9	ng/ul	134193	4	17.265	544215	20.0
9,10-Anthracene...	18.687	5.7	ng/ul	155113	4	17.265	544215	20.0
Anthracene, 2-e...	18.886	3.5	ng/ul	94741	4	17.265	544215	20.0
Phenanthrene, 2...	19.057	7.6	ng/ul	207560	4	17.265	544215	20.0
Cyclopenta(def)...	19.204	6.5	ng/ul	178045	4	17.265	544215	20.0
Pyrene, 1-methyl-	20.014	3.2	ng/ul	329470	5	21.524	2039070	20.0
11H-Benzo[b]flu...	20.179	3.3	ng/ul	338546	5	21.524	2039070	20.0
Pyrene, 2-methyl-	20.338	2.5	ng/ul	255833	5	21.524	2039070	20.0
11H-Benzo[a]flu...	20.937	2.7	ng/ul	277808	5	21.524	2039070	20.0
Benzo[b]naphtho...	21.107	3.1	ng/ul	318352	5	21.524	2039070	20.0
unknown-01	21.148	2.1	ng/ul	218137	5	21.524	2039070	20.0
Cyclopenta[cd]p...	21.201	2.9	ng/ul	293571	5	21.524	2039070	20.0
7H-Benz[de]anth...	21.260	2.6	ng/ul	264166	5	21.524	2039070	20.0
1H-Benz[f]inden...	22.224	2.9	ng/ul	298151	5	21.524	2039070	20.0
Plumbane, trime...	23.281	4.0	ng/ul	160494	6	24.615	801343	20.0
Benzo[e]pyrene	23.881	5.9	ng/ul	235303	6	24.615	801343	20.0
unknown-02	24.333	19.5	ng/ul	782903	6	24.615	801343	20.0
unknown-03	24.691	10.1	ng/ul	404056	6	24.615	801343	20.0