LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
Data File : BG057288.D
Acq On : 3 May 2023 15:54
Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW918

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: BG057288.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.213	111	115	123	rVB	7262	11890	0.66%	0.073%
2	7.521	672	678	687	rBB	39213	68203	3.77%	0.418%
3	7.685	699	706	712	rBV	25473	45914	2.54%	0.281%
4	7.908	738	744	751	rBB	37958	62741	3.47%	0.385%
5	8.378	818	824	831	rBB	56201	95006	5.25%	0.582%
6	9.083	938	944	953	rVB2	44280	77500	4.28%	0.475%
7	9.212	960	966	973	rBB3	7468	13181	0.73%	0.081%
8	9.553	1017	1024	1031	rBV	35437	63131	3.49%	0.387%
9	10.287	1142	1149	1156	rBB	31556	53780	2.97%	0.330%
10	10.834	1234	1242	1251	rBB	49140	87193	4.82%	0.535%
11	11.216	1301	1307	1313	rBV	76534	137873	7.62%	0.845%
12	11.274	1313	1317	1324	rVB2	5740	9580	0.53%	0.059%
13	11.345	1324	1329	1337	rBV	18527	31692	1.75%	0.194%
14	12.849	1579	1585	1590	rBV	6072	8146	0.45%	0.050%
15	13.060	1616	1621	1628	rBV2	5718	9244	0.51%	0.057%
16	13.830	1747	1752	1757	rBV3	1821	3085	0.17%	0.019%
17	14.170	1808	1810	1815	rVB2	2539	3252	0.18%	0.020%
18	14.311	1829	1834	1840	rBV2	6731	11532	0.64%	0.071%
19	14.376	1840	1845	1851	rVV	99943	141142	7.80%	0.865%
20	14.552	1868	1875	1878	rBV5	3685	6895	0.38%	0.042%
21	14.693	1892	1899	1910	rBV	104876	176677	9.77%	1.083%
22	14.840	1918	1924	1927	rBV2	2325	3335	0.18%	0.020%
23	14.946	1939	1942	1944	rBV3	2956	3428	0.19%	0.021%
24	14.993	1944	1950	1956	rVV	126170	198535	10.98%	1.217%
25	15.058	1956	1961	1967	rVB	41015	59378	3.28%	0.364%
26	15.193	1977	1984	1994	rBV3	23844	46544	2.57%	0.285%
27	15.386	2011	2017	2023	rVB2	24713	40008	2.21%	0.245%
28	15.451	2023	2028	2033	rBV2	5085	7863	0.43%	0.048%
29	15.592	2047	2052	2057	rBV2	4809	7645	0.42%	0.047%
30	15.645	2057	2061	2067	rBV4	3597	5790	0.32%	0.035%
31	15.768	2079	2082	2086	rVV3	3350	4498	0.25%	0.028%
32	15.939	2106	2111	2112	rBV3	3131	3637	0.20%	0.022%
33	15.980	2112	2118	2123	rVV	136876	205566	11.36%	1.260%
34	16.033	2123	2127	2134	rVB	45502	70342	3.89%	0.431%
35	16.103	2134	2139	2144	rBV3	11340	20033	1.11%	0.123%
36	16.162	2145	2149	2151	rBV2	3989	4489	0.25%	0.028%

LSC Area Percent Report

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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW918

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	16.197	2151	2155	2158	rVV4	4692	5407	0.30%	0.033%
38	16.291	2167	2171	2172	rBV4	3129	4456	0.25%	0.027%
39	16.326	2172	2177	2182	rVB	87190	129683	7.17%	0.795%
40	16.414	2190	2192	2196	rBV5	2067	3117	0.17%	0.019%
41	16.467	2196	2201	2208	rVV2	13610	28350	1.57%	0.174%
42	16.555	2214	2216	2223	rVB6	3583	5852	0.32%	0.036%
43	16.661	2226	2234	2238	rBV4	7908	17111	0.95%	0.105%
44	16.708	2240	2242	2250	rVB3	6984	9290	0.51%	0.057%
45	16.790	2250	2256	2257	rBV5	2197	3958	0.22%	0.024%
46	16.896	2267	2274	2278	rBV3	13001	21842	1.21%	0.134%
47	17.002	2285	2292	2294	rBV6	7618	14647	0.81%	0.090%
48	17.031	2294	2297	2303	rVV3	11934	18660	1.03%	0.114%
49	17.078	2303	2305	2310	rVB3	6864	10870	0.60%	0.067%
50	17.178	2321	2322	2326	rVB4	4663	4199	0.23%	0.026%
51	17.255	2328	2335	2339	rBV5	11817	27344	1.51%	0.168%
52	17.296	2339	2342	2345	rVB3	8045	10349	0.57%	0.063%
53	17.390	2352	2358	2363	rBV	35783	59318	3.28%	0.364%
54	17.448	2363	2368	2371	rBV4	11074	19080	1.05%	0.117%
55	17.554	2379	2386	2390	rBV	30394	50419	2.79%	0.309%
56	17.736	2410	2417	2420	rBV	159622	254114	14.05%	1.558%
57	17.783	2420	2425	2430	rVV	632417	961496	53.16%	5.895%
58	17.836	2430	2434	2437	rVV2	149405	239679	13.25%	1.469%
59	17.871	2437	2440	2446	rVV	125395	188550	10.42%	1.156%
60	17.924	2446	2449	2453	rVV2	16870	26665	1.47%	0.163%
61	18.048	2468	2470	2474	rVB4	8632	9140	0.51%	0.056%
62	18.130	2477	2484	2490	rBV2	72764	142063	7.85%	0.871%
63	18.241	2499	2503	2507	rBV2	14758	17339	0.96%	0.106%
64	18.318	2511	2516	2521	rVV3	16548	28802	1.59%	0.177%
65	18.529	2548	2552	2555	rBV6	12203	15945	0.88%	0.098%
66	18.600	2557	2564	2569	rBV	85046	165134	9.13%	1.012%
67	18.653	2569	2573	2579	rVB	123414	180713	9.99%	1.108%
68	18.729	2579	2586	2591	rBV	45795	83737	4.63%	0.513%
69	18.800	2591	2598	2602	rBV3	129870	274961	15.20%	1.686%
70	18.893	2610	2614	2618	rBV7	10526	15531	0.86%	0.095%
71	18.935	2619	2621	2625	rVB3	11268	12771	0.71%	0.078%
72	19.087	2642	2647	2651	rBV	72194	103950	5.75%	0.637%
73	19.140	2651	2656	2663	rVB	76640	117397	6.49%	0.720%
74	19.334	2685	2689	2692	rVB2	21206	30404	1.68%	0.186%
75	19.499	2713	2717	2721	rBV	38946	64809	3.58%	0.397%
76	19.651	2739	2743	2750	rVB2	59587	97615	5.40%	0.598%

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Misc :
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Instrument : BNA_G
ClientSampleId : EW918

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Integrator: RTE
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77	19.775	2757	2764	2769	rBV	1274329	1808776	100.00%	11.089%
78	19.957	2792	2795	2798	rBV4	23372	28101	1.55%	0.172%
79	20.104	2813	2820	2822	rBV2	312975	574045	31.74%	3.519%
80	20.139	2822	2826	2831	rVV	1099017	1524295	84.27%	9.345%
81	20.192	2831	2835	2839	rVB	60010	81879	4.53%	0.502%
82	20.297	2850	2853	2858	rVB	68948	86645	4.79%	0.531%
83	20.368	2862	2865	2870	rVV	55873	88019	4.87%	0.540%
84	20.450	2873	2879	2884	rVB2	72887	170198	9.41%	1.043%
85	20.609	2903	2906	2912	rVB	149699	220466	12.19%	1.352%
86	20.709	2919	2923	2927	rBV	96424	138830	7.68%	0.851%
87	20.914	2955	2958	2963	rBV	50360	80411	4.45%	0.493%
88	20.961	2964	2966	2977	rVB2	64293	118410	6.55%	0.726%
89	21.408	3037	3042	3049	rVB	121211	194718	10.77%	1.194%
90	21.602	3071	3075	3079	rBV3	78628	129571	7.16%	0.794%
91	21.643	3080	3082	3088	rVB	84767	120940	6.69%	0.741%
92	21.707	3088	3093	3098	rBV2	111457	202169	11.18%	1.239%
93	21.766	3100	3103	3111	rVB	114668	183169	10.13%	1.123%
94	22.042	3143	3150	3157	rBV3	564860	1279722	70.75%	7.846%
95	22.113	3157	3162	3172	rVB	502122	921215	50.93%	5.648%
96	22.277	3185	3190	3197	rBV	76883	143023	7.91%	0.877%
97	22.494	3223	3227	3233	rVB2	79666	145296	8.03%	0.891%
98	24.474	3554	3564	3571	rBV	434850	1451414	80.24%	8.898%
99	25.267	3692	3699	3707	rBV	170696	462624	25.58%	2.836%
100	25.432	3719	3727	3738	rVB	301426	883811	48.86%	5.418%

Sum of corrected areas: 16311262

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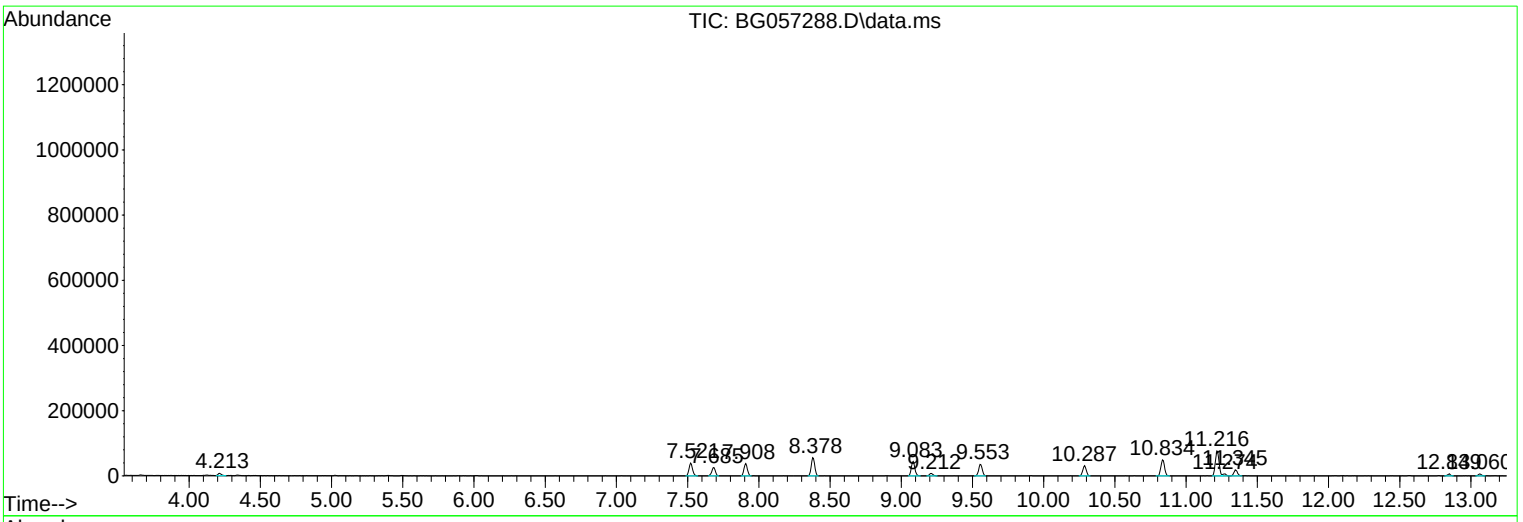
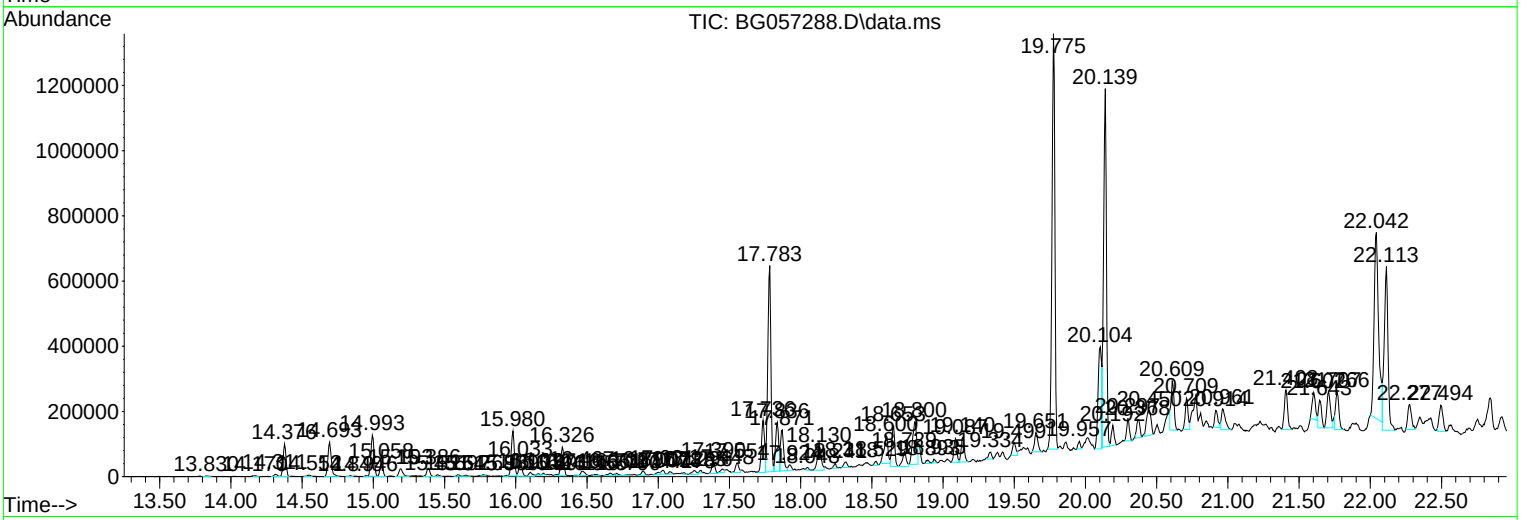
Misc :
ALS Vial : 9 Sample Multiplier: 1

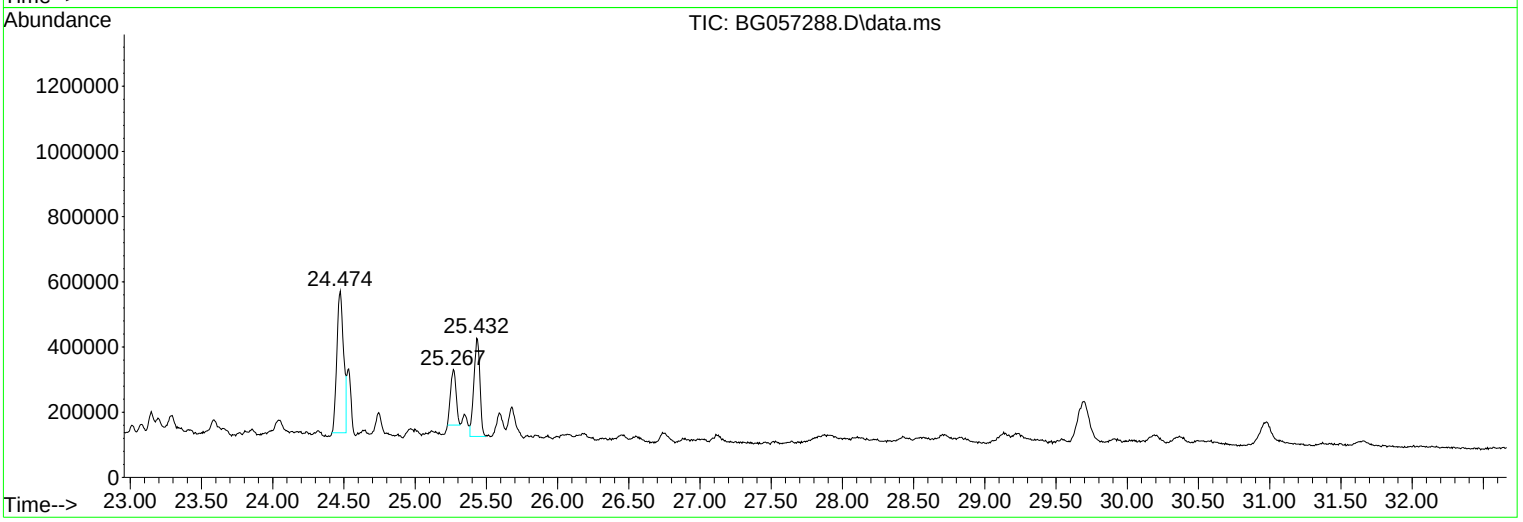
Instrument :
BNA_G
ClientSampleId :
EW918

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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Sample : 02419-21
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Instrument :
BNA_G
ClientSampleId :
EW918

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

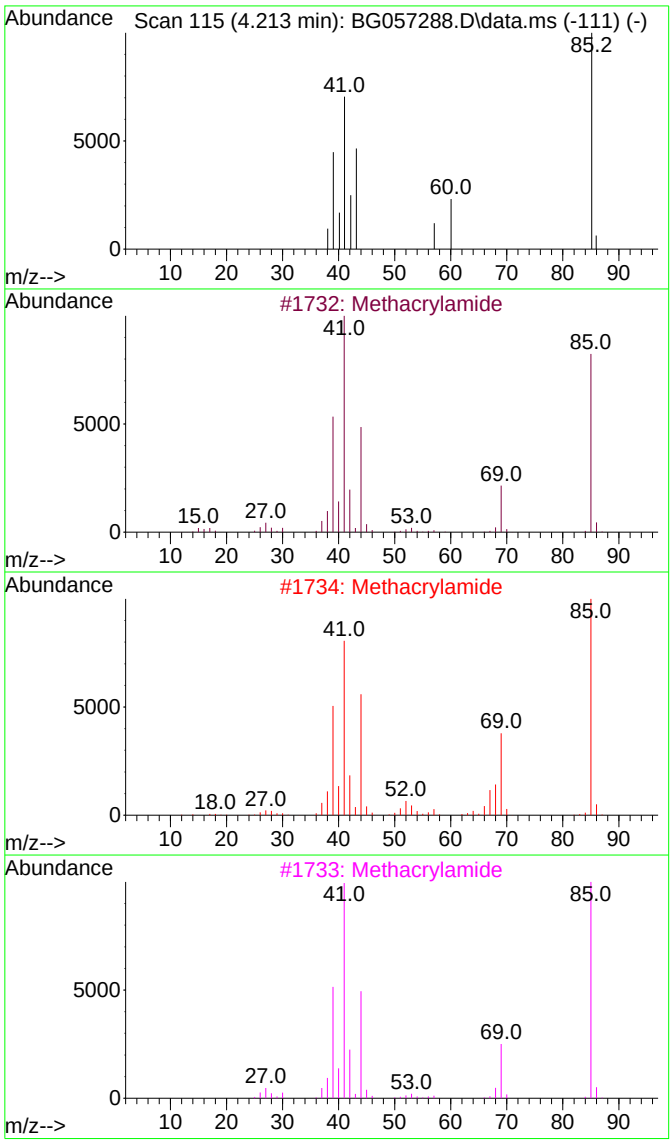
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

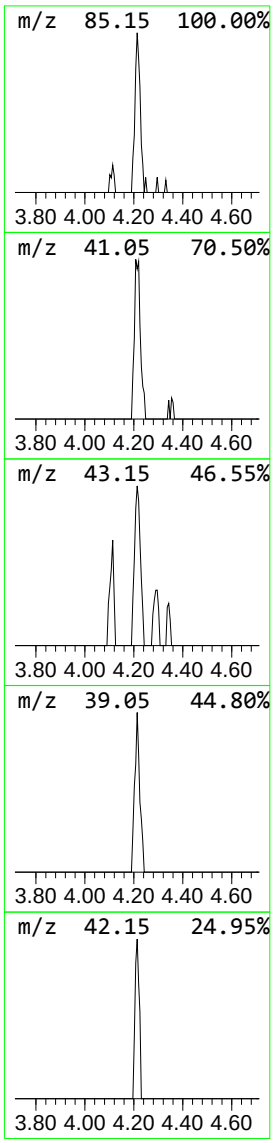
****

Peak Number 1 Methacrylamide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.213	2.50 ng/ul	11890	1,4-Dichlorobenzene-d4	8.378

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	64
2	Methacrylamide	85	C4H7NO	000079-39-0	64
3	Methacrylamide	85	C4H7NO	000079-39-0	64
4	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	12
5	Dimethylketene	70	C4H6O	000598-26-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

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

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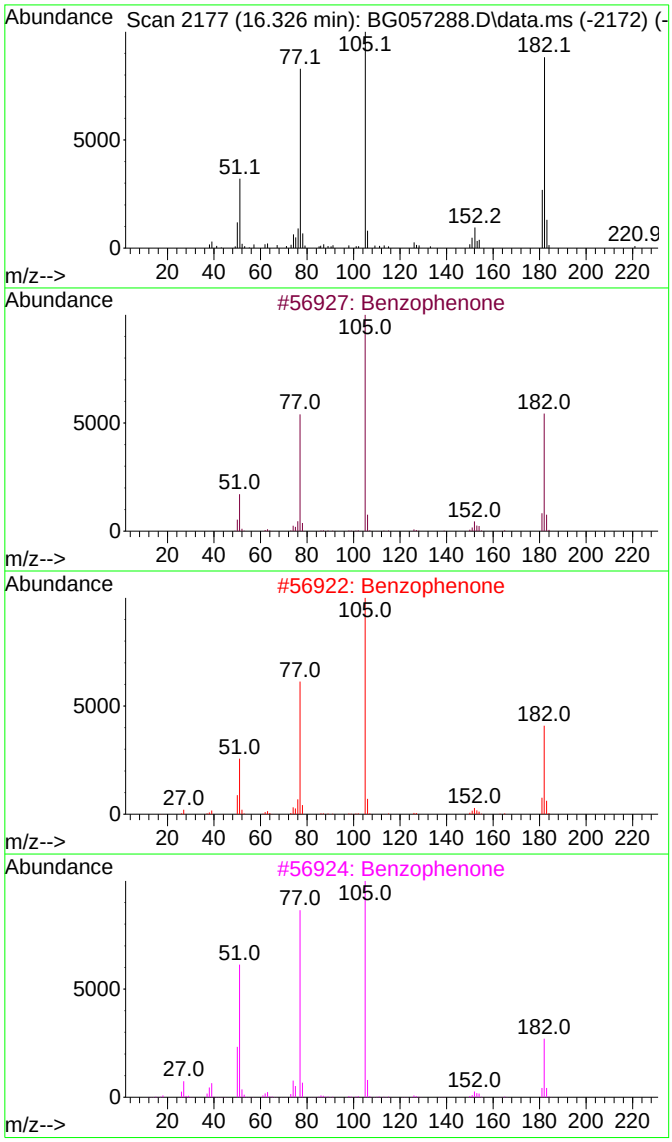
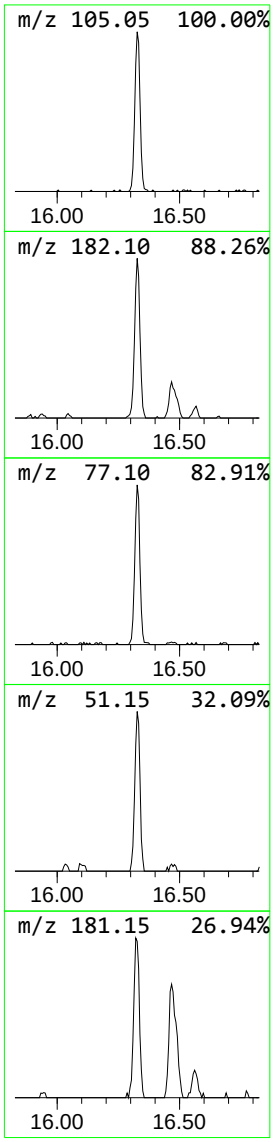
Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.326	13.06 ng/ul	129683	Acenaphthene-d10	14.993

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzophenone	182	C13H10O	000119-61-9	90
3	Benzophenone	182	C13H10O	000119-61-9	89
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Benzophenone	182	C13H10O	000119-61-9	83





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ALS Vial : 9 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

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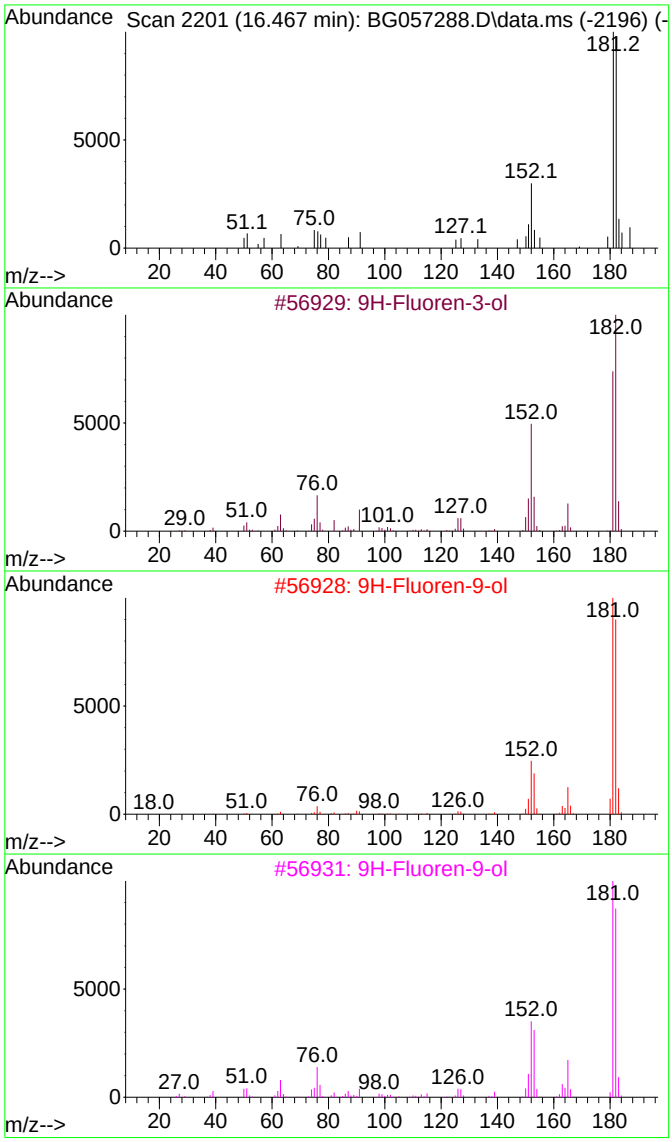
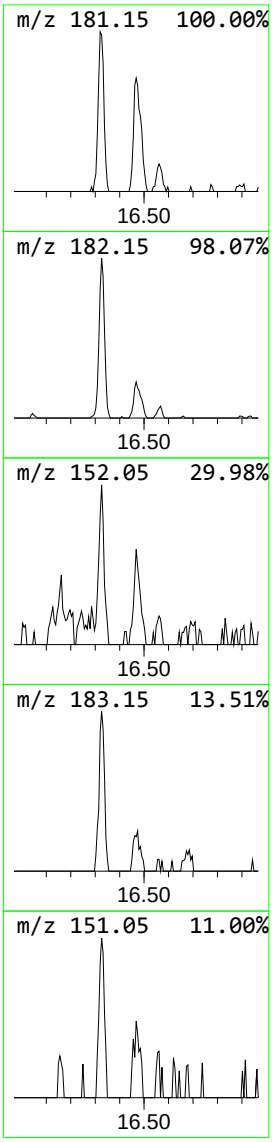
Peak Number 3 9H-Fluoren-3-ol Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.467	2.23 ng/ul	28350	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Misc :
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Instrument :
BNA_G
ClientSampleId :
EW918

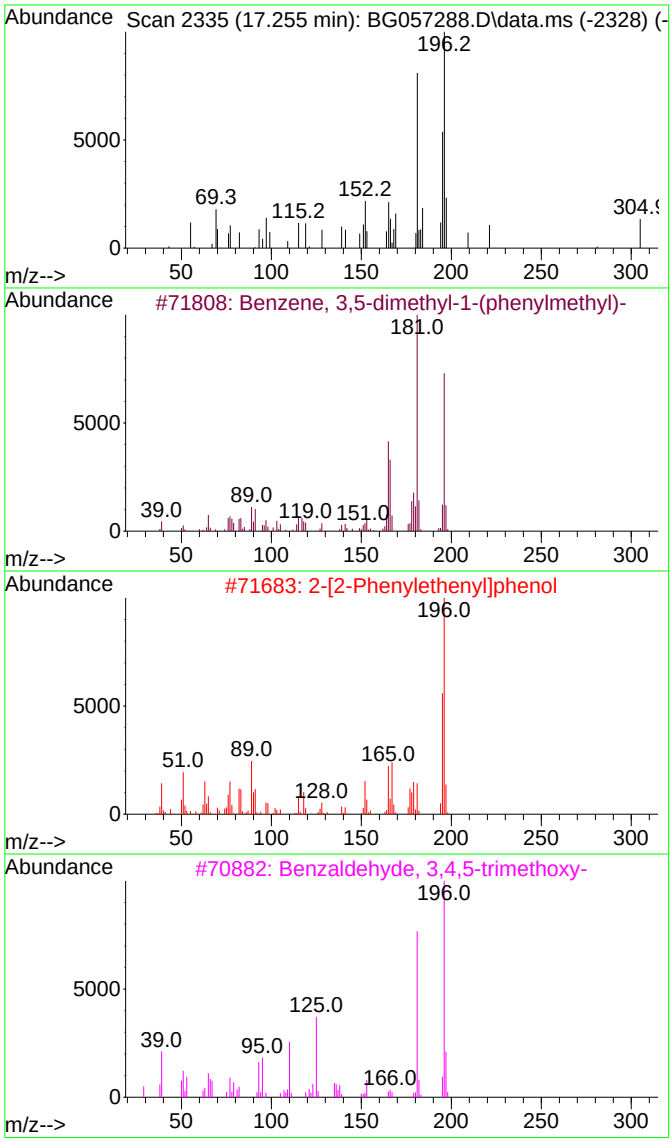
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

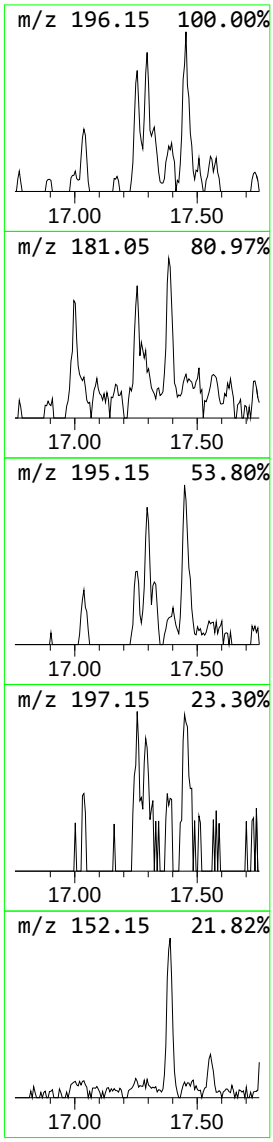
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 3,5-dimethyl-1-(ph... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.255	2.15 ng/ul	27344	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	50
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	49
3	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	47
4	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	43
5	Benzene, 2,6-dimethyl-1-(phenylm...	196	C15H16	028122-29-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
Data File : BG057288.D
Acq On : 3 May 2023 15:54
Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW918

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

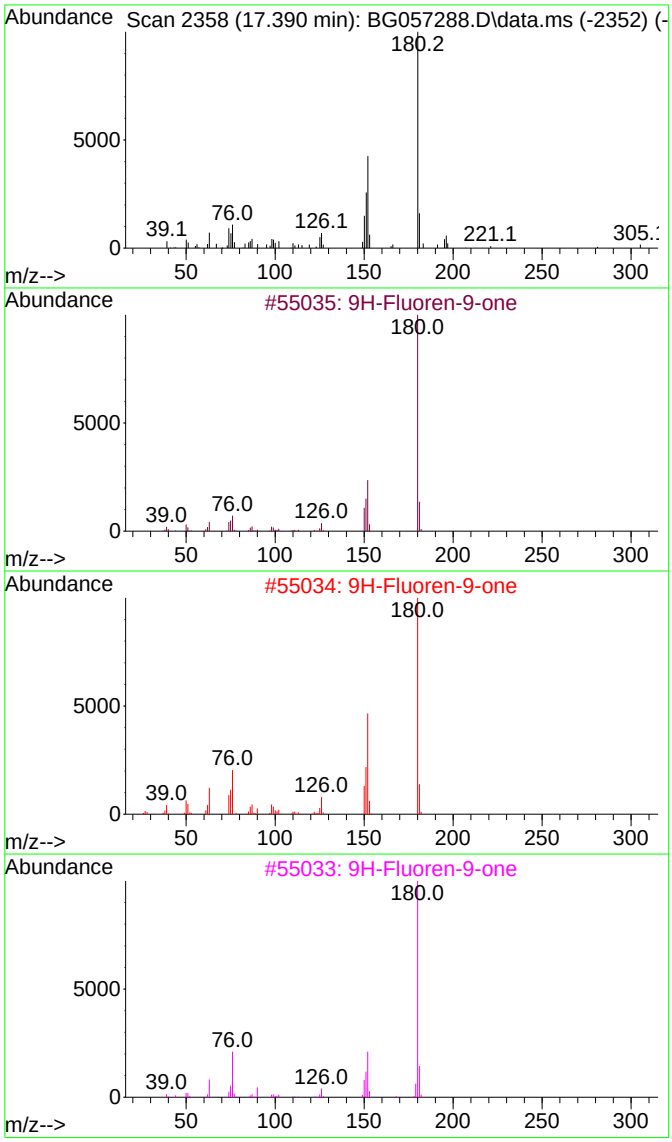
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

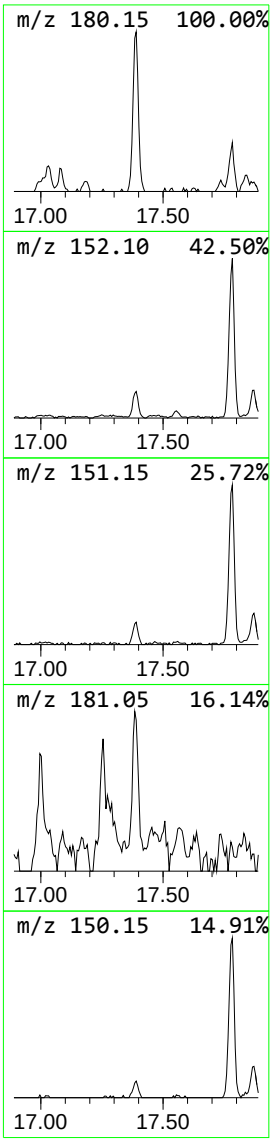
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.390	4.67 ng/ul	59318	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87





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Acq On : 3 May 2023 15:54
Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW918

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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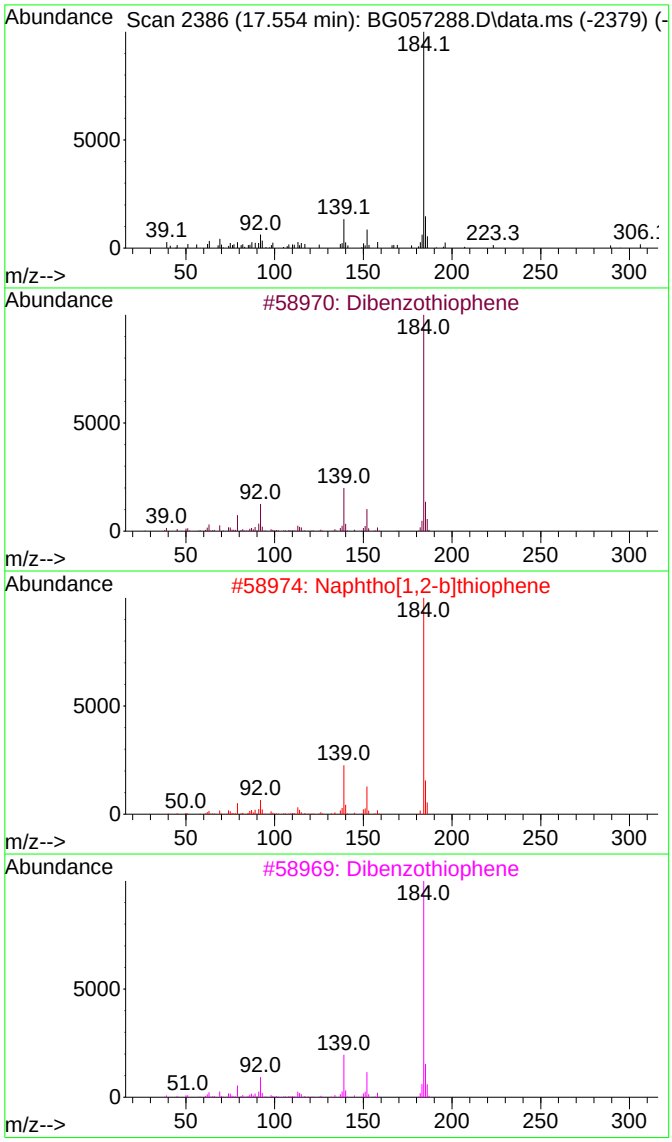
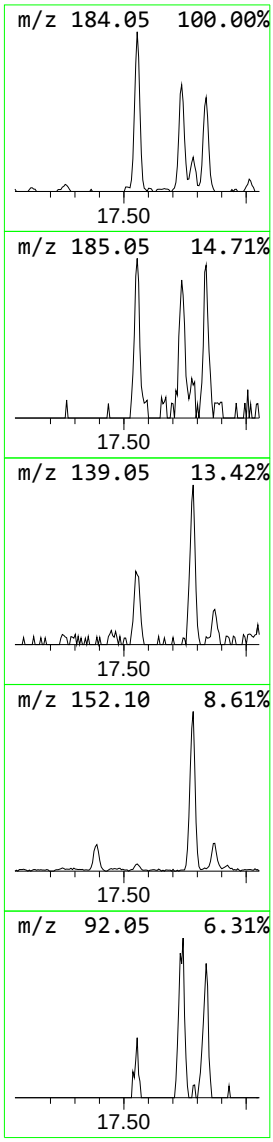
Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.554	3.97 ng/ul	50419	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
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Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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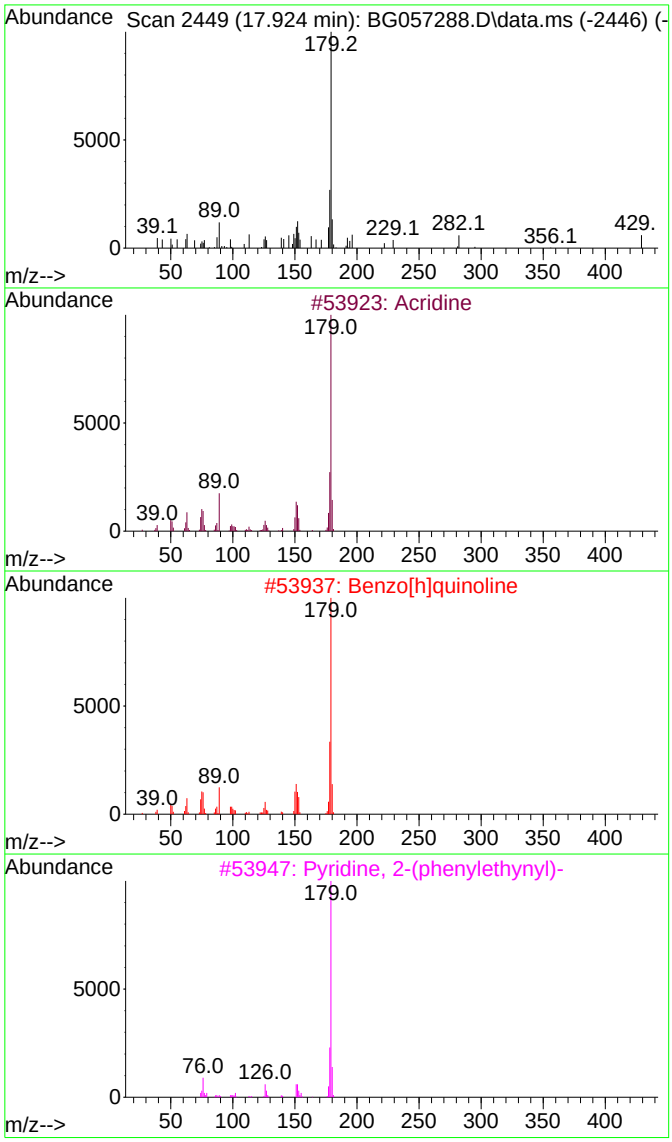
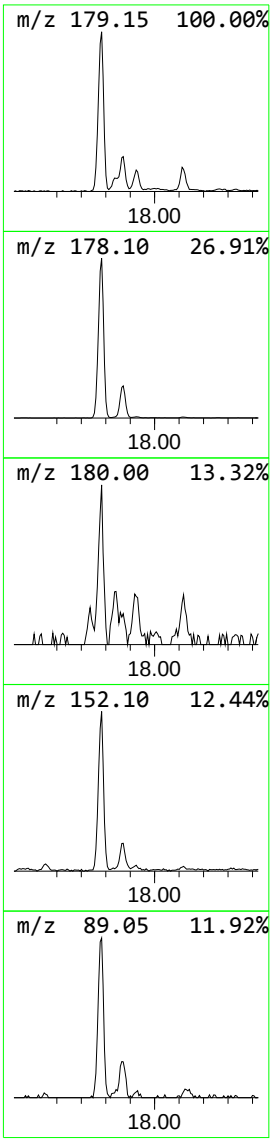
Peak Number 7 Acridine Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.924	2.10 ng/ul	26665	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	91
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	87
3	Pyridine, 2-(phenylethynyl)-	179	C13H9N	013141-42-9	83
4	Acridine	179	C13H9N	000260-94-6	81
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	81





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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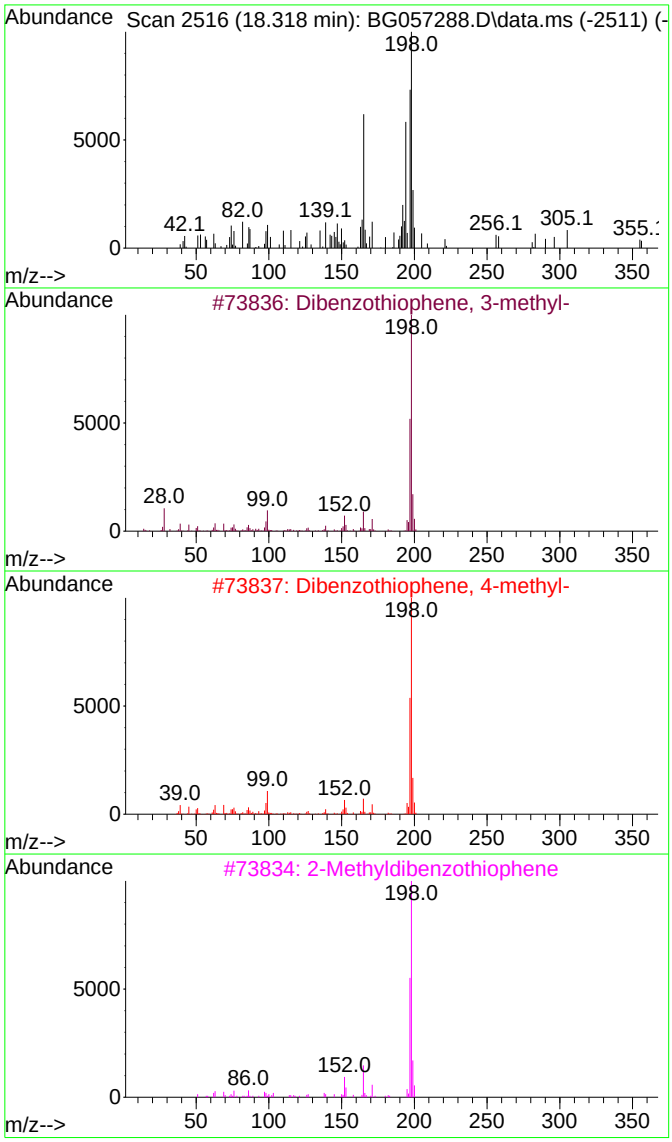
Quant Title : SVOA CALIBRATION

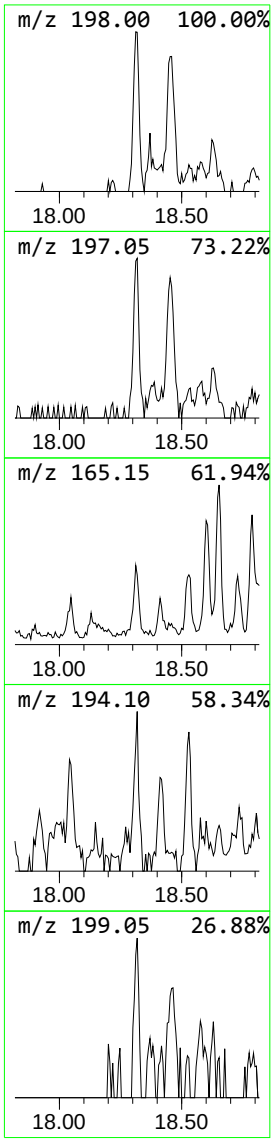
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	2.27 ng/ul	28802	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	60
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	53
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	53
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	49
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	47





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Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 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

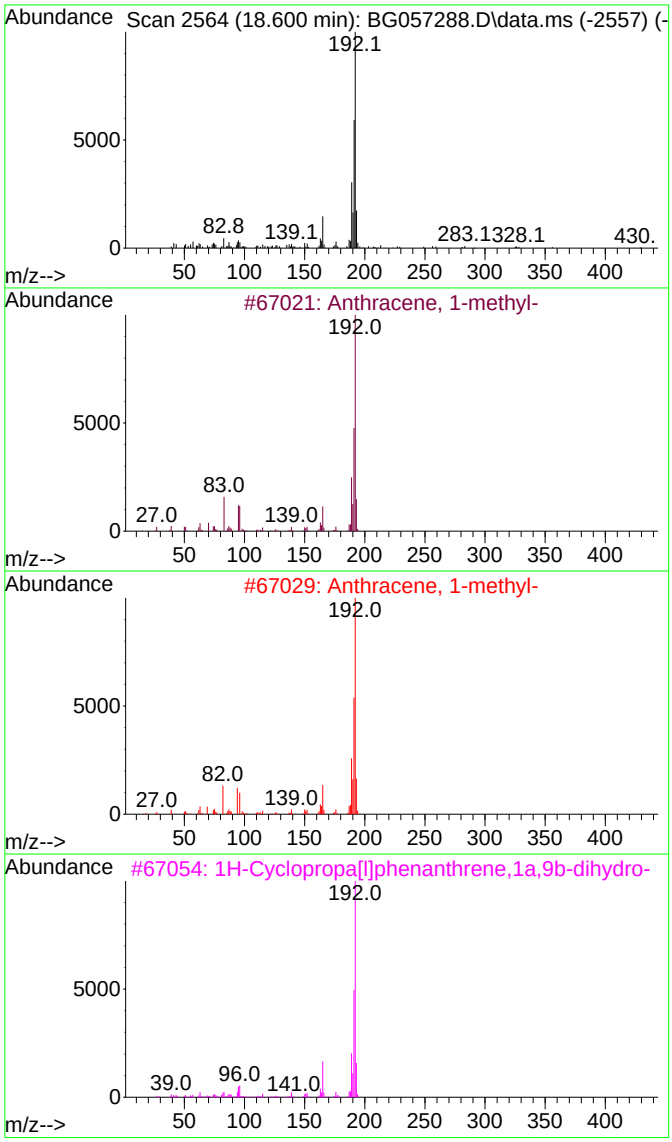
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

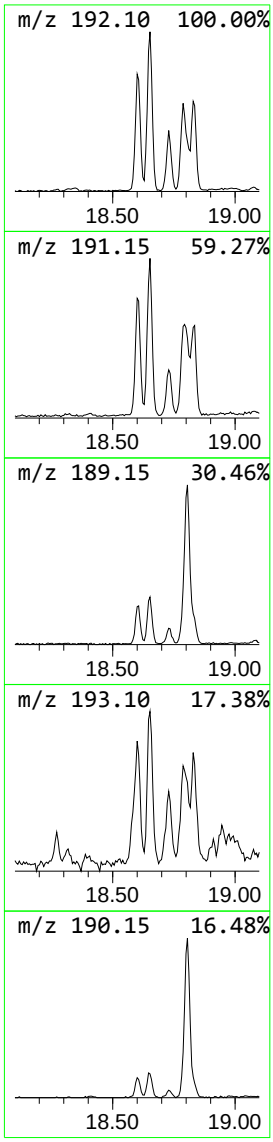
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.600	13.00 ng/ul	165134	Phenanthrene-d10	17.736

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	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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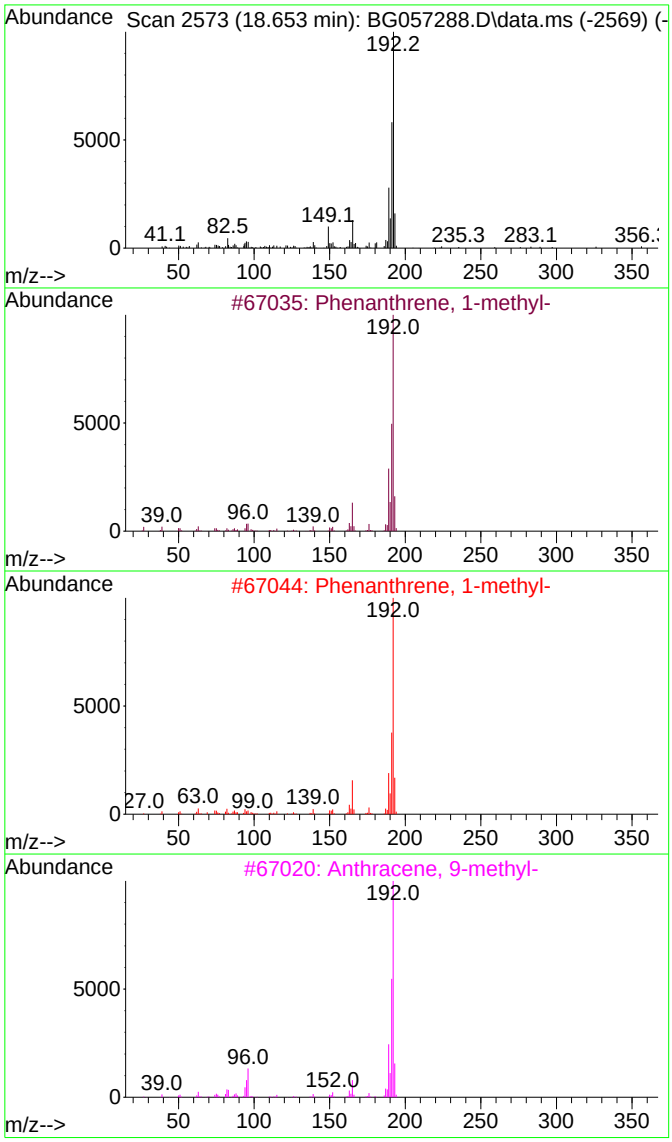
Quant Title : SVOA CALIBRATION

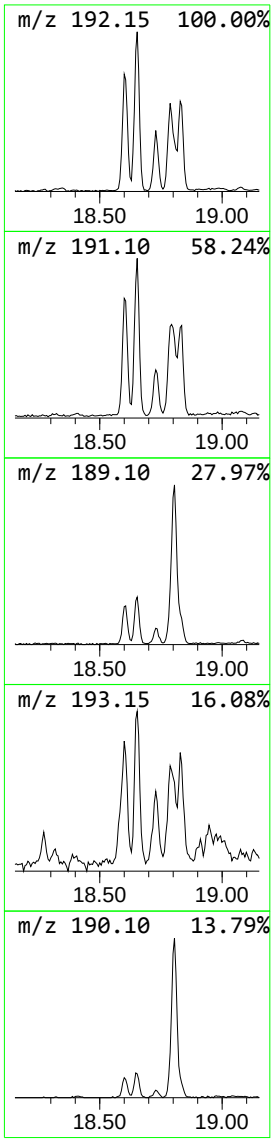
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.653	14.22 ng/ul	180713	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

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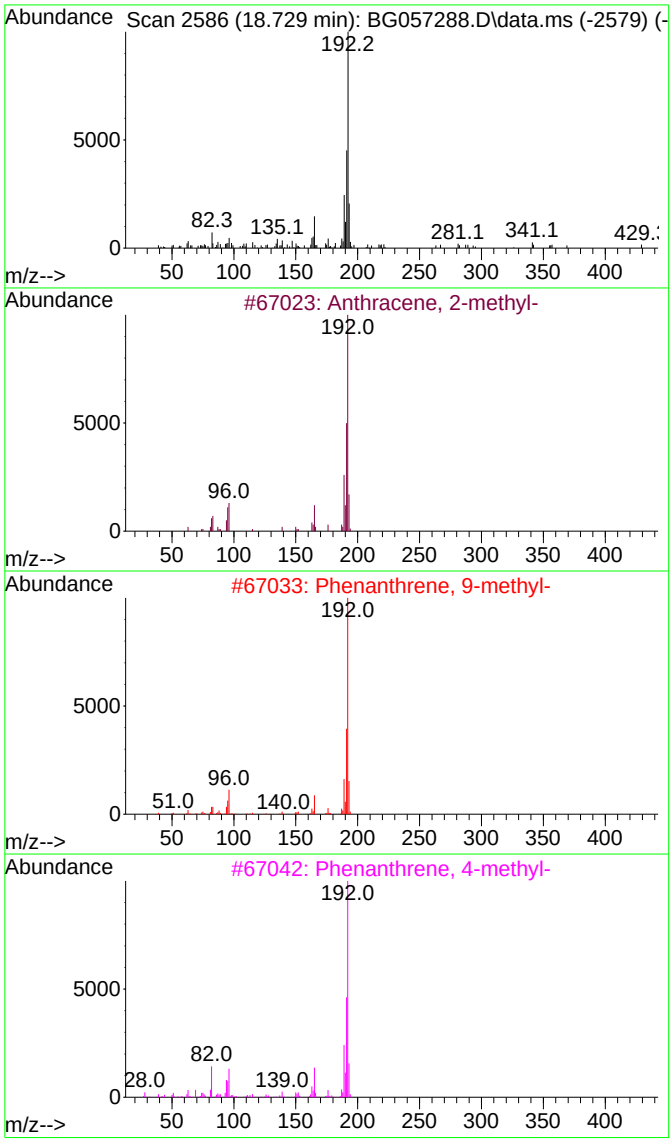
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

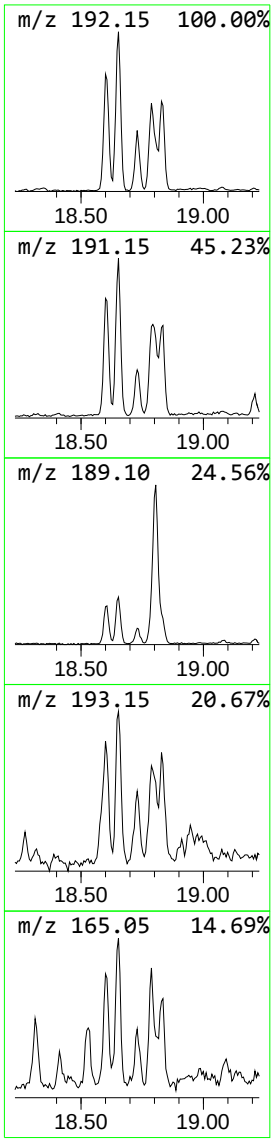
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.729	6.59 ng/ul	83737	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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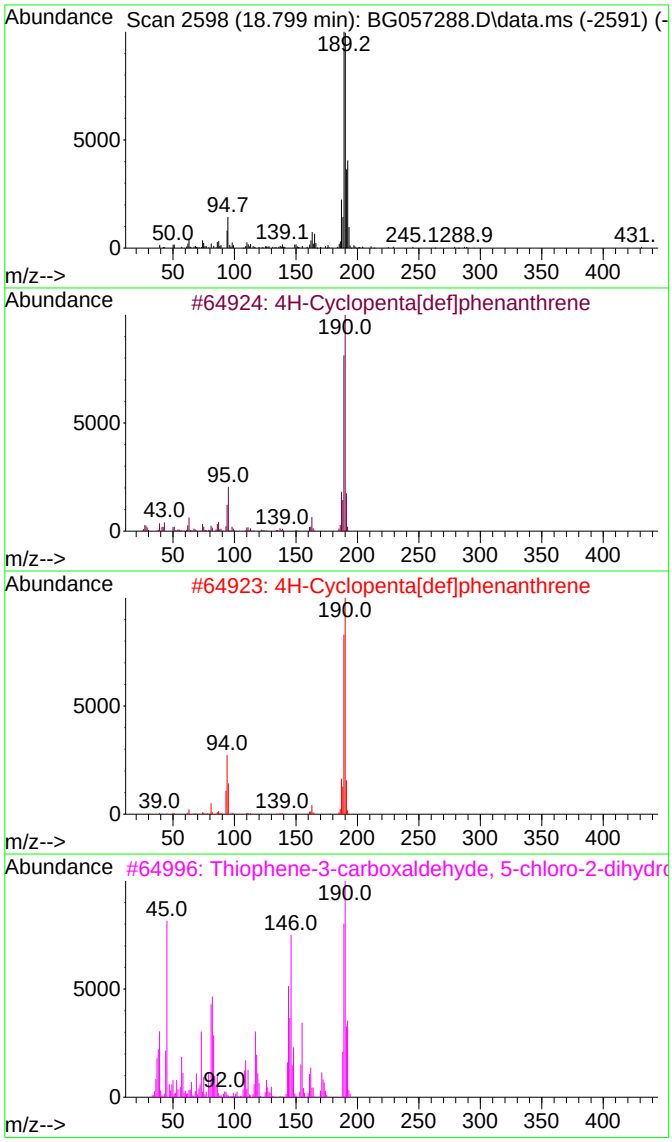
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

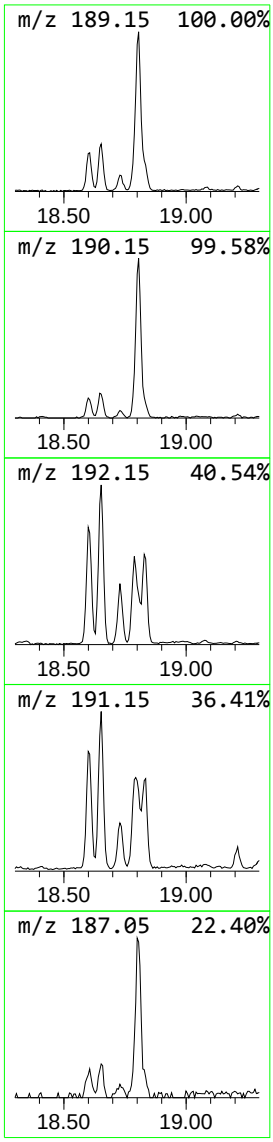
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.799	21.64 ng/ul	274961	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53





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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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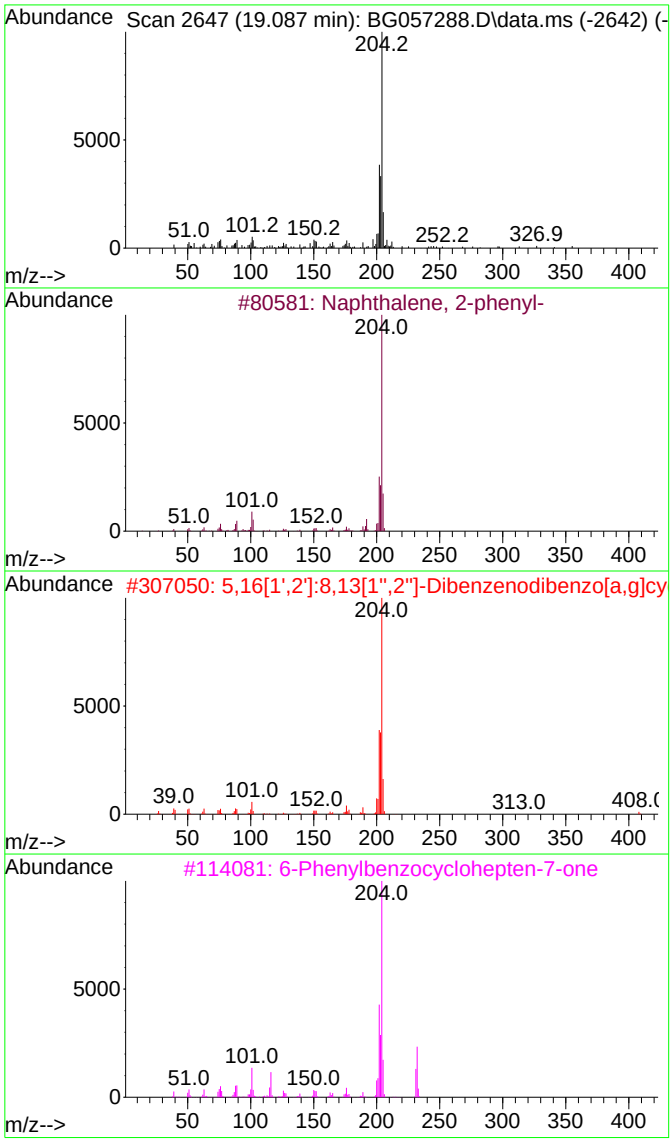
Quant Title : SVOA CALIBRATION

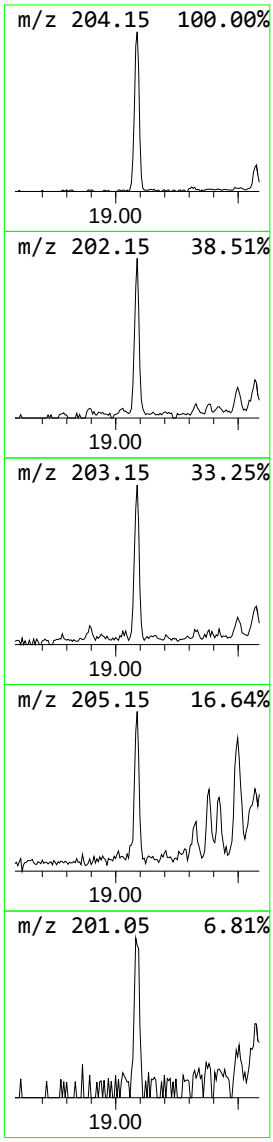
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.087	8.18 ng/ul	103950	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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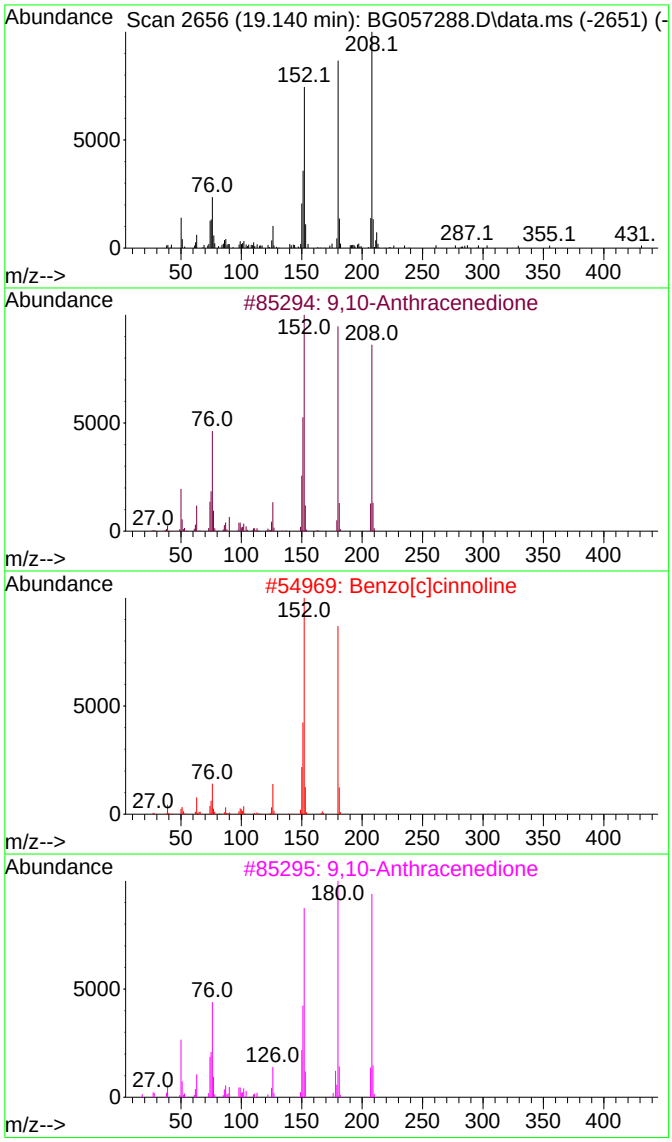
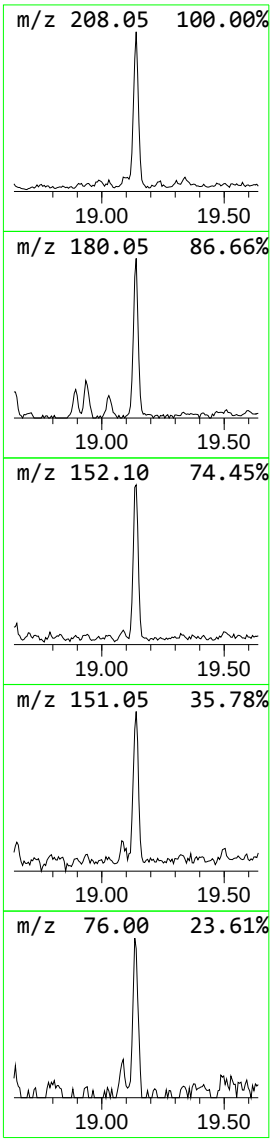
Peak Number 14 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.140	9.24 ng/ul	117397	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94





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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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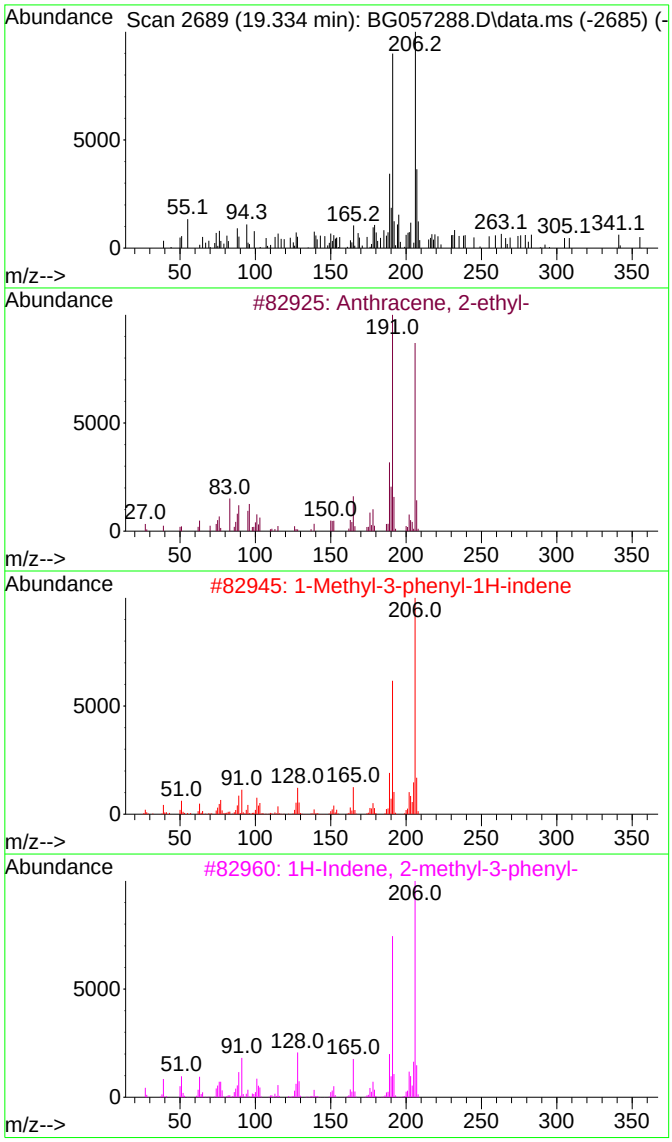
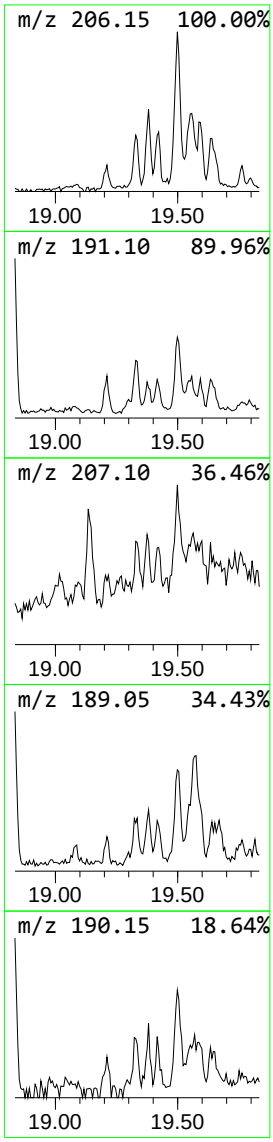
Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.334	2.39 ng/ul	30404	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
2	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	81
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	72
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	72
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72





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ClientSampleId :
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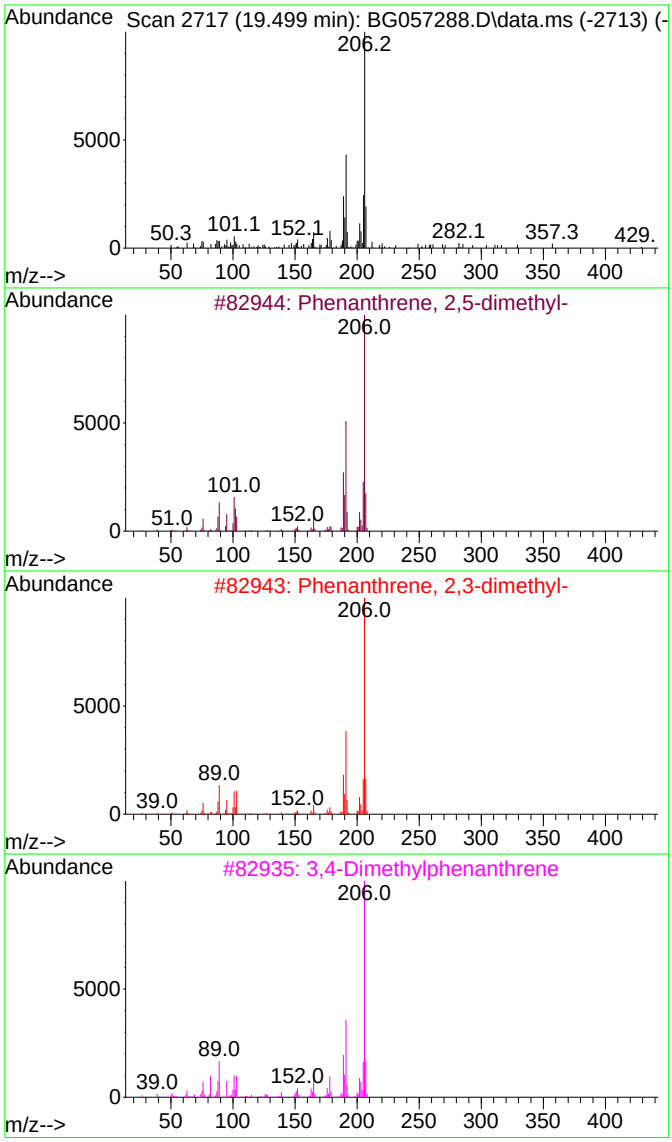
Quant Title : SVOA CALIBRATION

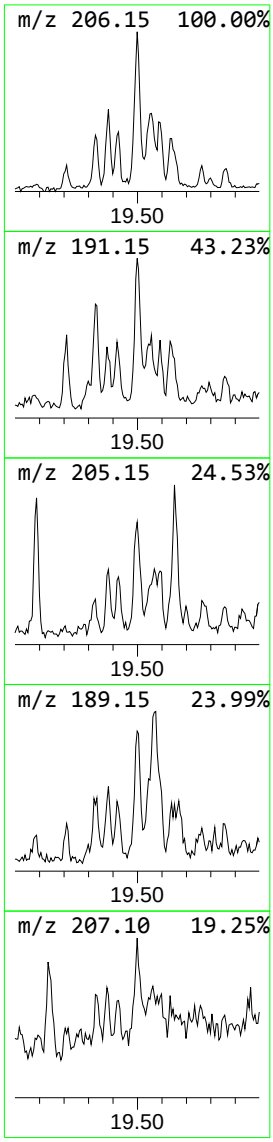
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.499	5.10 ng/ul	64809	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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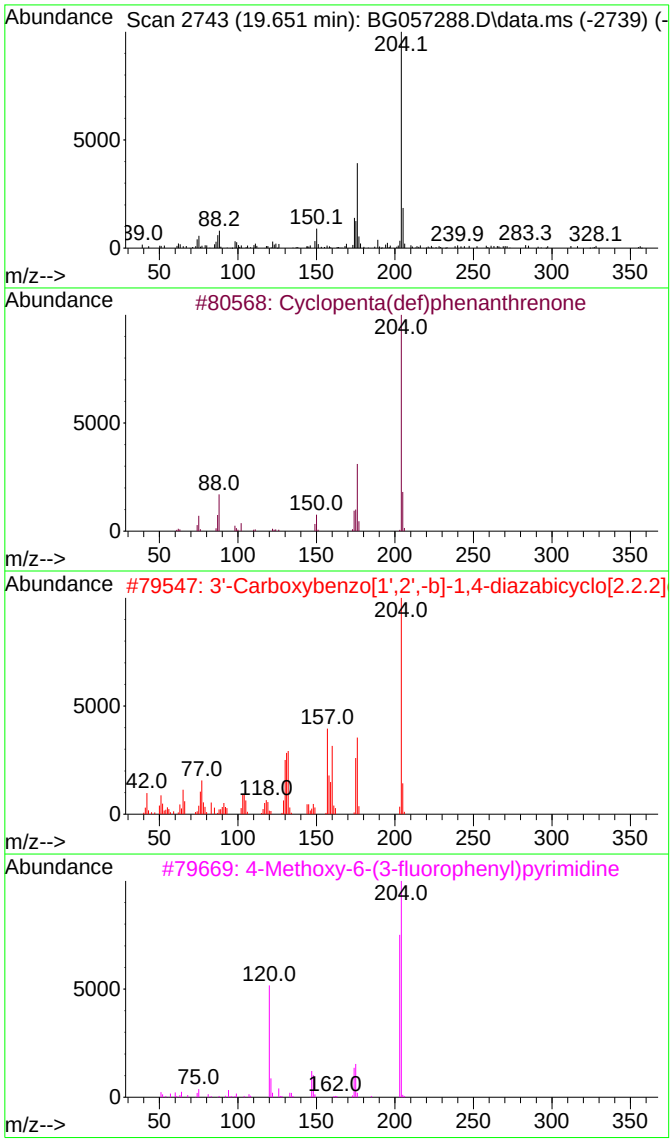
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

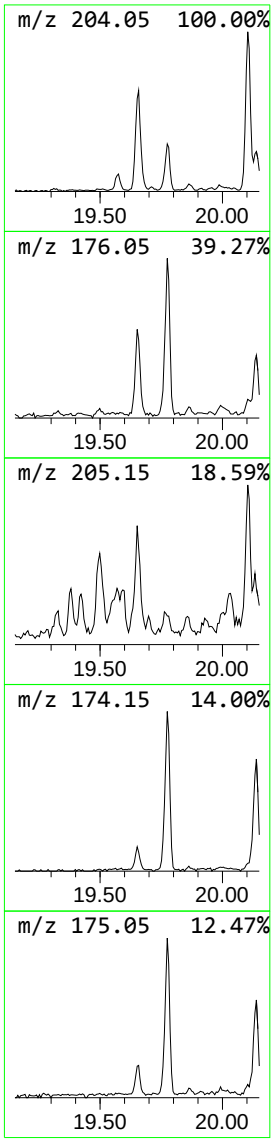
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.651	7.68 ng/ul	97615	Phenanthrene-d10	17.736

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	59
3	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	47
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	46
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	45





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Data File : BG057288.D
Acq On : 3 May 2023 15:54
Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW918

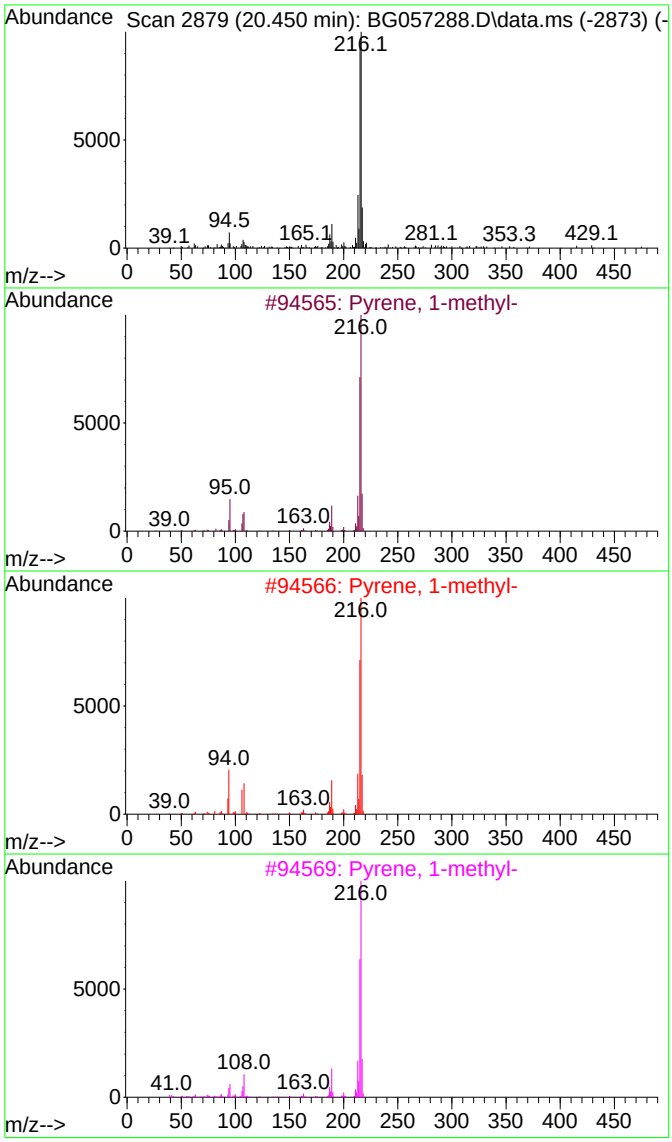
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

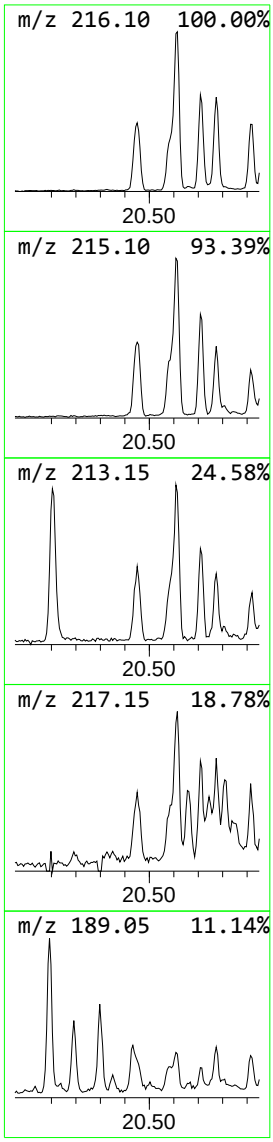
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.450	2.66 ng/ul	170198	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : 02419-21
Misc :
ALS Vial : 9 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

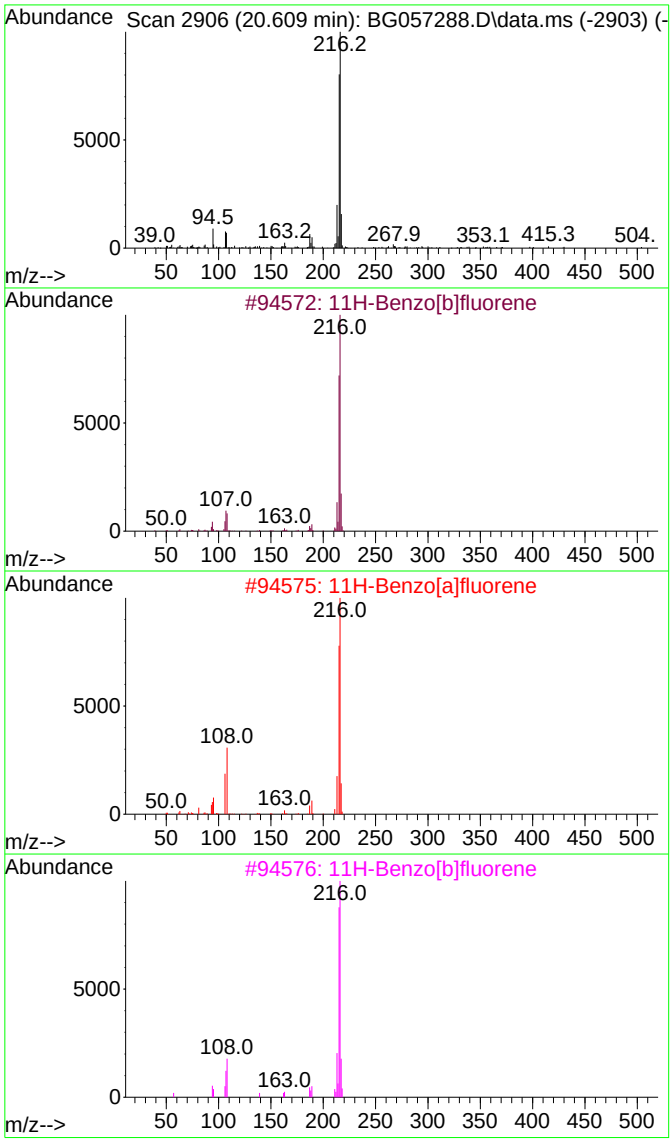
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

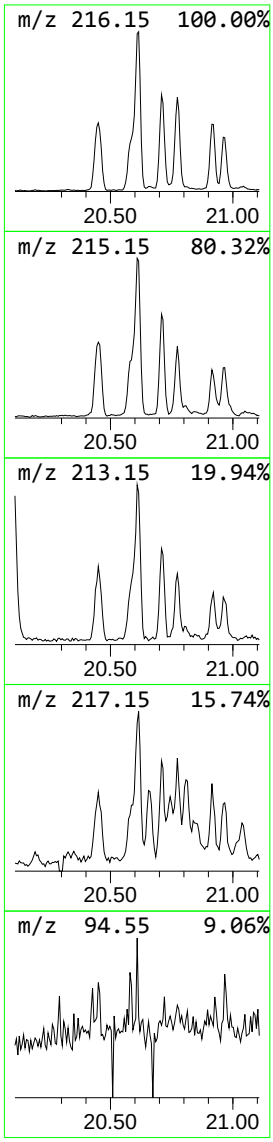
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.609	3.45 ng/ul	220466	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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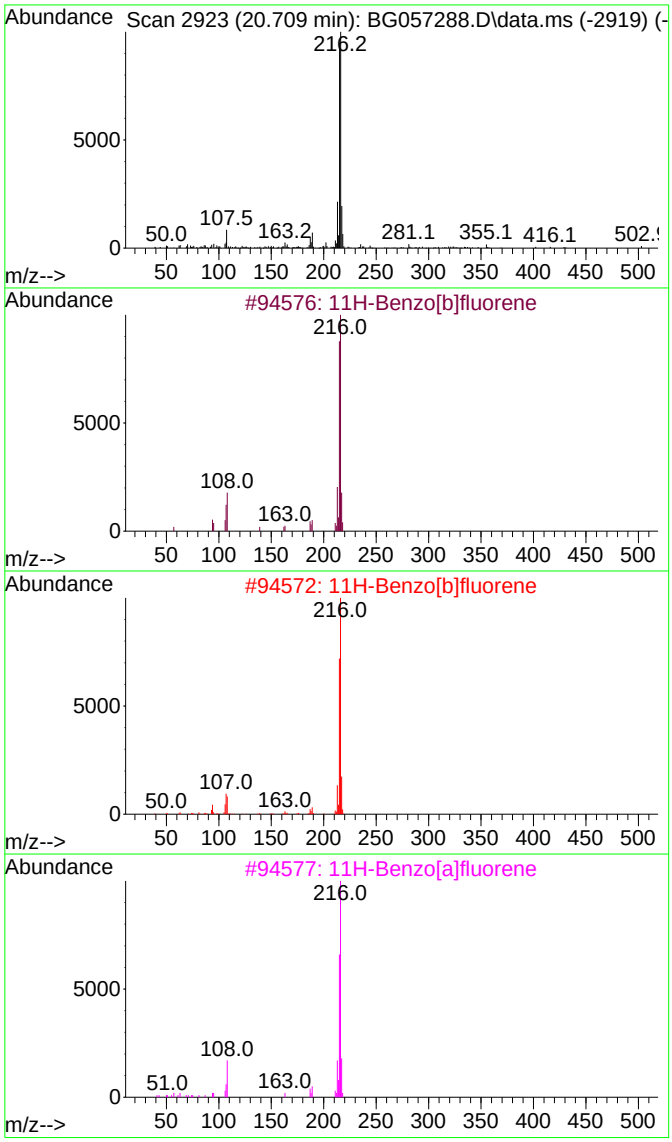
Quant Title : SVOA CALIBRATION

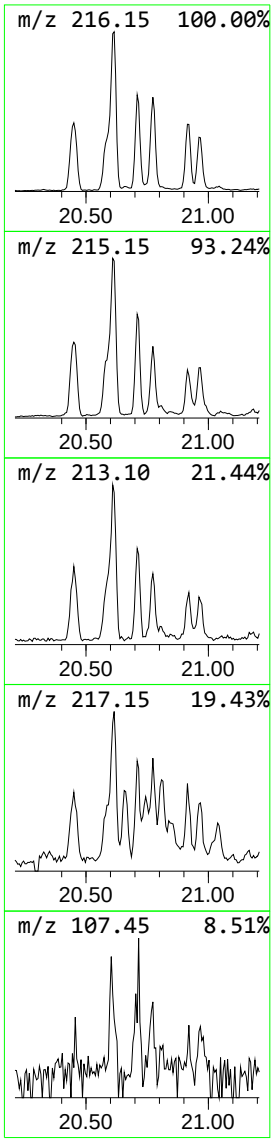
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.709	2.17 ng/ul	138830	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW918

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

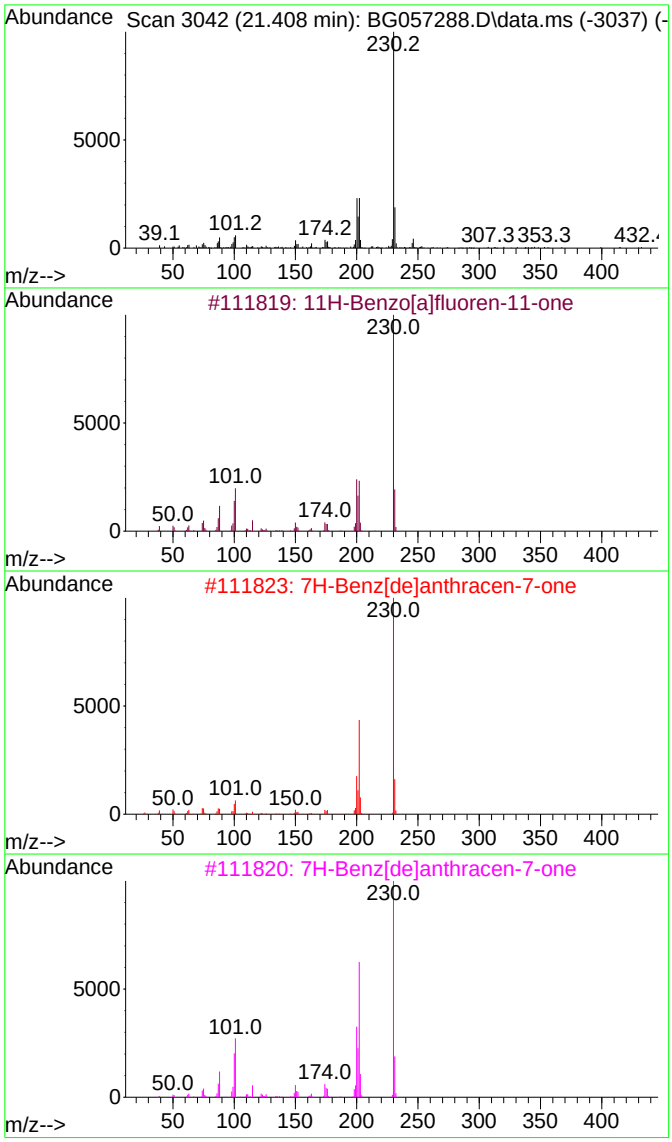
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

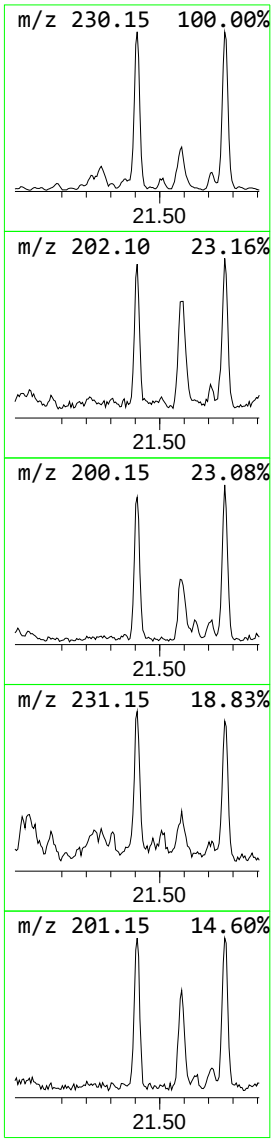
****

Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.408	3.04 ng/ul	194718	Chrysene-d12	22.060

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	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	68





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

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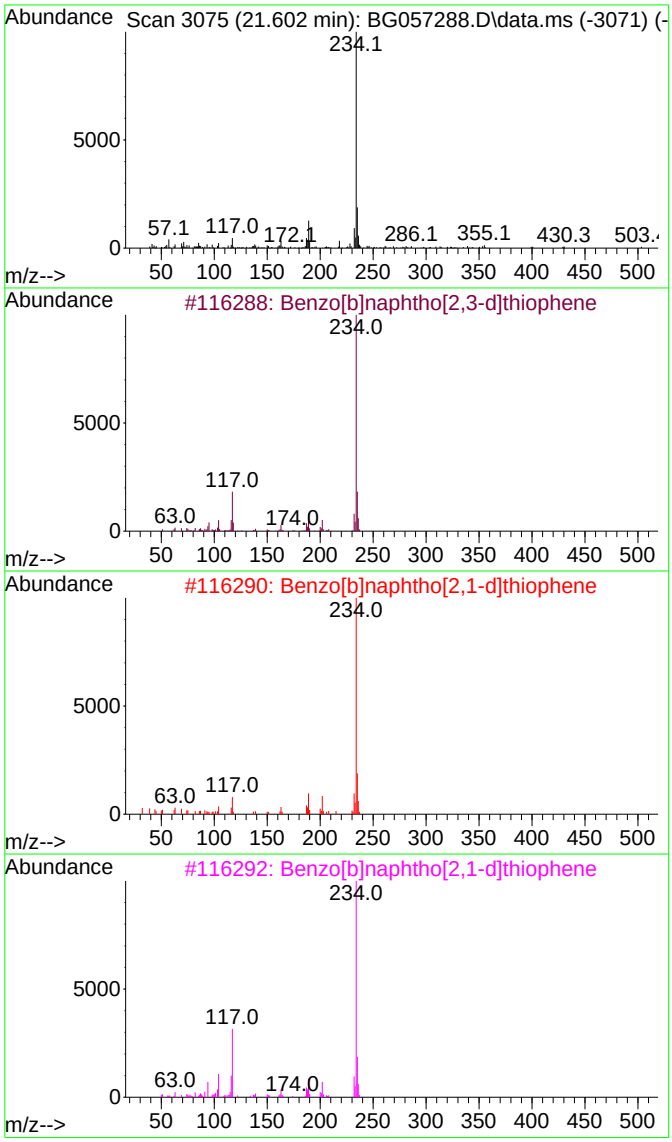
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

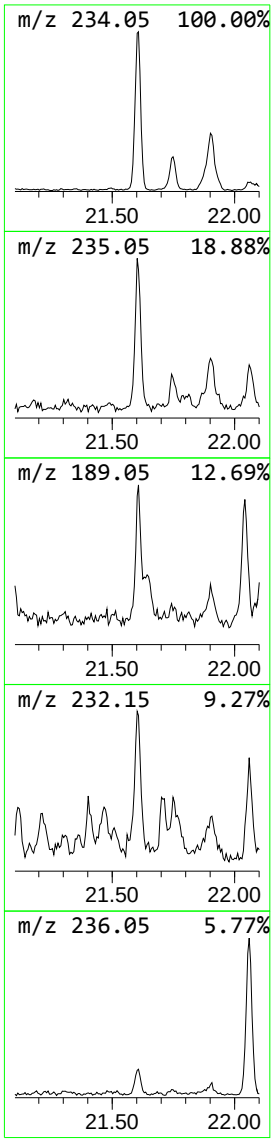
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.602	2.02 ng/ul	129571	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90





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Sample : 02419-21
Misc :
ALS Vial : 9 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

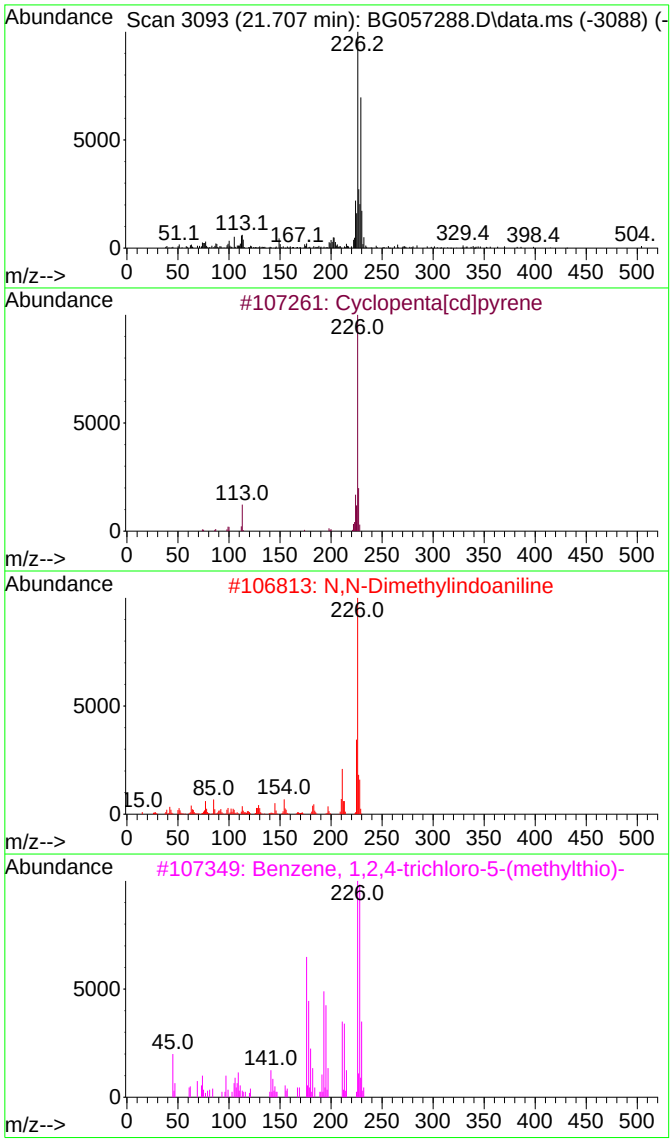
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

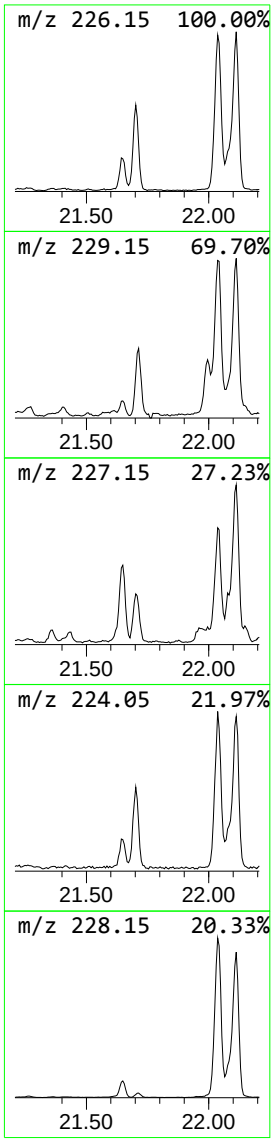
****

Peak Number 23 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.707	3.16 ng/ul	202169	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43
3	Benzene, 1,2,4-trichloro-5-(meth...	226	C7H5Cl3S	004163-78-4	38
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	23
5	Benz[c]acridine	229	C17H11N	000225-51-4	22





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Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

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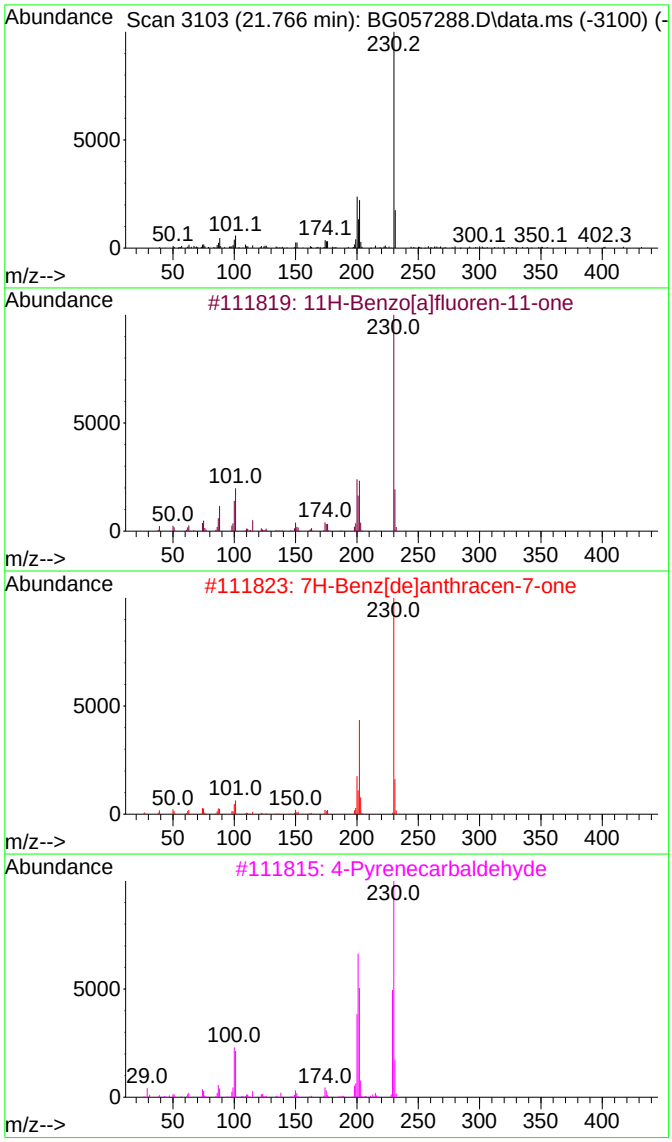
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

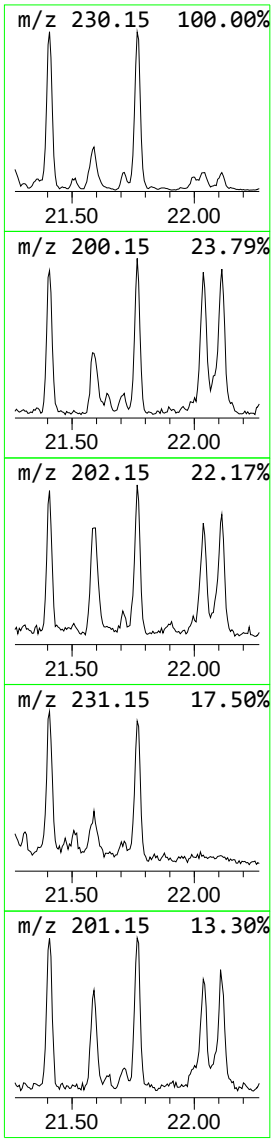
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.766	2.86 ng/ul	183169	Chrysene-d12	22.060

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	76
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

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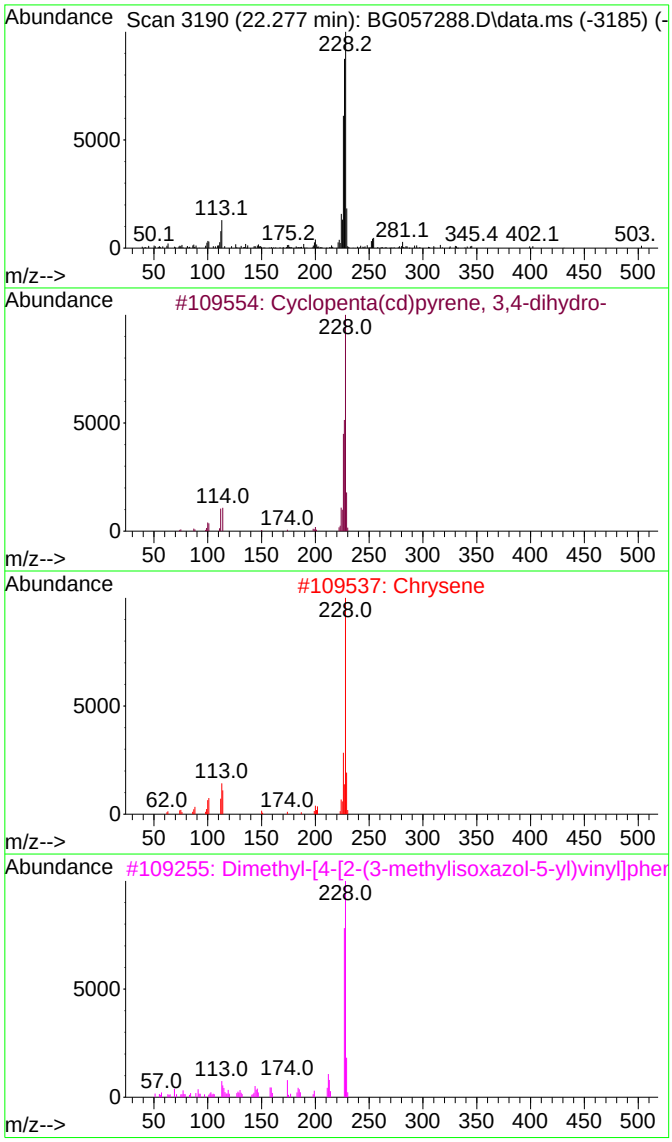
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

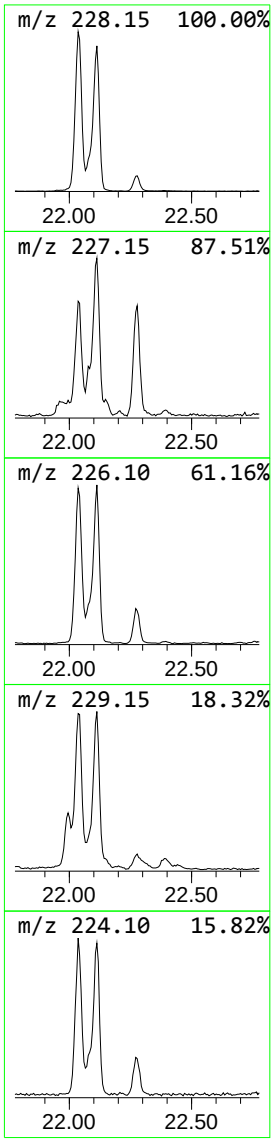
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.277	2.24 ng/ul	143023	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Chrysene	228	C18H12	000218-01-9	41
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
5	Chrysene	228	C18H12	000218-01-9	38





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Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

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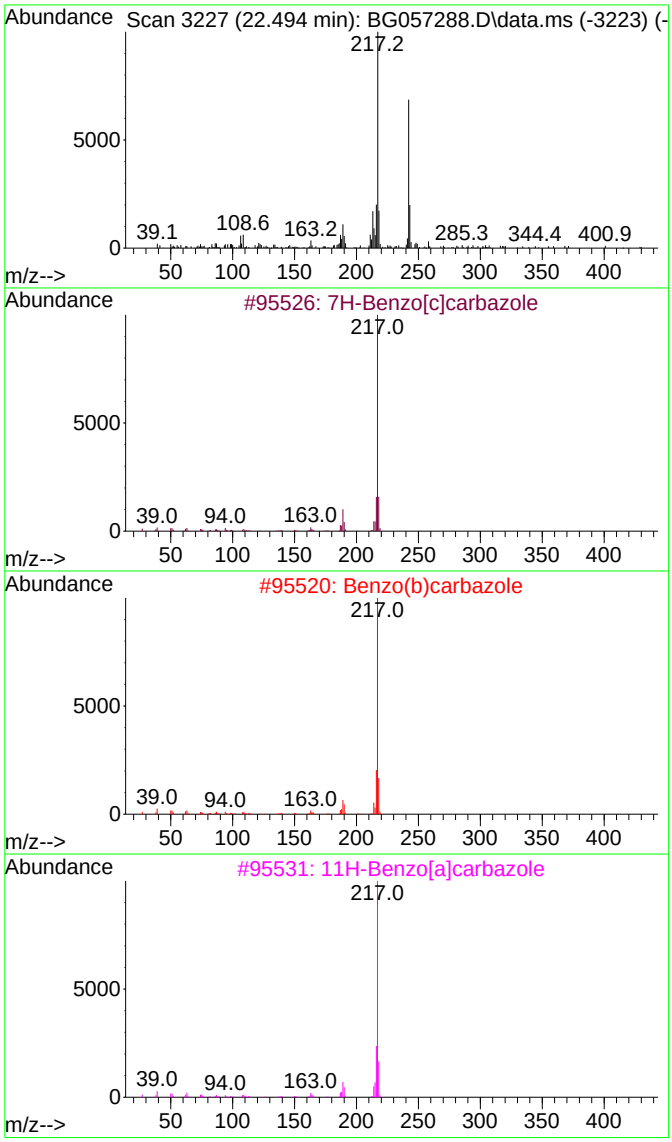
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION

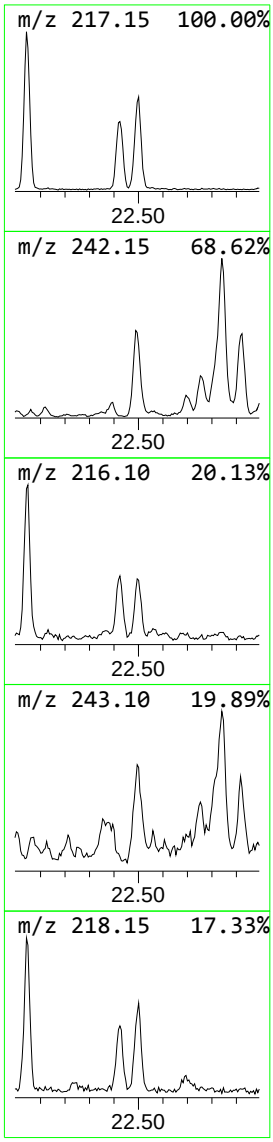
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 7H-Benzo[c]carbazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.494	2.27 ng/ul	145296	Chrysene-d12	22.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	60
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	60
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60





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Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 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

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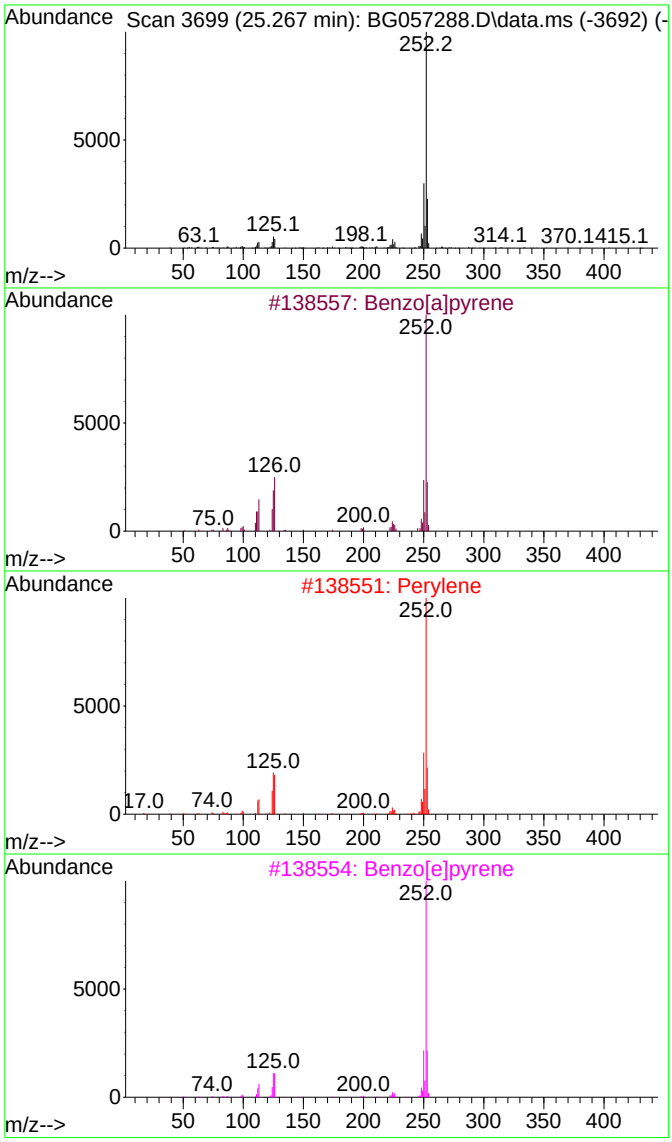
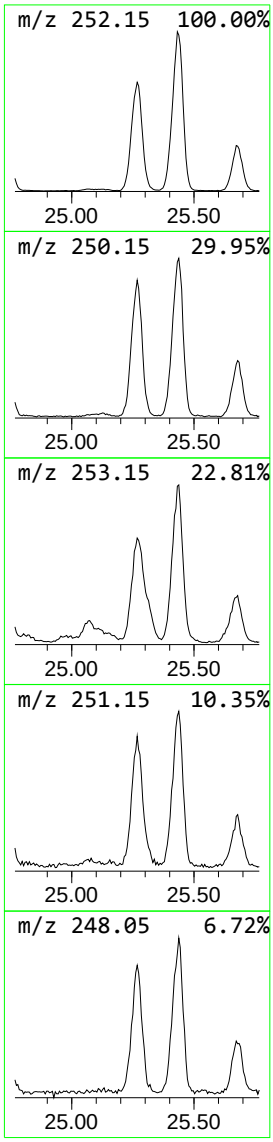
Peak Number 27 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.267	10.47 ng/ul	462624	Perylene-d12	25.590

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

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Data File : BG057288.D
Acq On : 3 May 2023 15:54
Operator : CG/JU
Sample : 02419-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : 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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methacrylamide	4.213	2.5	ng/ul	11890	1	8.378	95006	20.0
Benzophenone	16.326	13.1	ng/ul	129683	3	14.993	198535	20.0
9H-Fluoren-3-ol	16.467	2.2	ng/ul	28350	4	17.736	254114	20.0
Benzene, 3,5-di...	17.255	2.1	ng/ul	27344	4	17.736	254114	20.0
9H-Fluoren-9-one	17.390	4.7	ng/ul	59318	4	17.736	254114	20.0
Dibenzothiophene	17.554	4.0	ng/ul	50419	4	17.736	254114	20.0
Acridine	17.924	2.1	ng/ul	26665	4	17.736	254114	20.0
Dibenzothiophen...	18.318	2.3	ng/ul	28802	4	17.736	254114	20.0
Anthracene, 1-m...	18.600	13.0	ng/ul	165134	4	17.736	254114	20.0
Phenanthrene, 1...	18.653	14.2	ng/ul	180713	4	17.736	254114	20.0
Anthracene, 2-m...	18.729	6.6	ng/ul	83737	4	17.736	254114	20.0
4H-Cyclopenta[d...	18.799	21.6	ng/ul	274961	4	17.736	254114	20.0
Naphthalene, 2-...	19.087	8.2	ng/ul	103950	4	17.736	254114	20.0
9,10-Anthracene...	19.140	9.2	ng/ul	117397	4	17.736	254114	20.0
Anthracene, 2-e...	19.334	2.4	ng/ul	30404	4	17.736	254114	20.0
Phenanthrene, 2...	19.499	5.1	ng/ul	64809	4	17.736	254114	20.0
Cyclopenta(def)...	19.651	7.7	ng/ul	97615	4	17.736	254114	20.0
Pyrene, 1-methyl-	20.450	2.7	ng/ul	170198	5	22.060	1279720	20.0
11H-Benzo[b]flu...	20.609	3.5	ng/ul	220466	5	22.060	1279720	20.0
11H-Benzo[a]flu...	20.709	2.2	ng/ul	138830	5	22.060	1279720	20.0
11H-Benzo[a]flu...	21.408	3.0	ng/ul	194718	5	22.060	1279720	20.0
Benzo[b]naphtho...	21.602	2.0	ng/ul	129571	5	22.060	1279720	20.0
unknown-01	21.707	3.2	ng/ul	202169	5	22.060	1279720	20.0
7H-Benz[de]anth...	21.766	2.9	ng/ul	183169	5	22.060	1279720	20.0
unknown-02	22.277	2.2	ng/ul	143023	5	22.060	1279720	20.0
7H-Benzo[c]carb...	22.494	2.3	ng/ul	145296	5	22.060	1279720	20.0
Perylene	25.267	10.5	ng/ul	462624	6	25.590	883811	20.0