LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A44S3

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_M\Methods\SFAM-EPA-BM012825.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BM049557.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.510	761	769	781	rBV	761482	1205297	5.51%	0.656%
2	8.334	902	909	916	rVV	71947	133590	0.61%	0.073%
3	10.269	1231	1238	1244	rBV	1018347	1696879	7.76%	0.924%
4	10.322	1244	1247	1256	rVB	138181	217462	0.99%	0.118%
5	11.945	1516	1523	1530	rBV	87028	148927	0.68%	0.081%
6	12.169	1553	1561	1567	rVB	80691	138274	0.63%	0.075%
7	13.475	1777	1783	1788	rBV	92512	163058	0.75%	0.089%
8	13.575	1796	1800	1810	rVB	75804	124017	0.57%	0.068%
9	13.845	1839	1846	1847	rBV	89942	123576	0.57%	0.067%
10	13.875	1847	1851	1862	rVB	184095	316933	1.45%	0.173%
11	14.157	1889	1899	1904	rBV	1615010	2398595	10.97%	1.306%
12	14.216	1904	1909	1918	rVV	629544	951571	4.35%	0.518%
13	14.374	1930	1936	1944	rBV2	39410	104306	0.48%	0.057%
14	14.469	1944	1952	1957	rVV2	70919	129514	0.59%	0.071%
15	14.557	1957	1967	1976	rVV	328012	554119	2.53%	0.302%
16	14.786	2000	2006	2011	rBV2	48953	94394	0.43%	0.051%
17	15.157	2064	2069	2073	rVV2	116784	189262	0.87%	0.103%
18	15.210	2073	2078	2083	rVV	743483	1022529	4.68%	0.557%
19	15.304	2090	2094	2096	rVV	74345	99838	0.46%	0.054%
20	15.339	2096	2100	2103	rVV	138754	214028	0.98%	0.117%
21	15.374	2103	2106	2111	rVV2	128196	192906	0.88%	0.105%
22	15.421	2111	2114	2118	rVV3	66921	118398	0.54%	0.064%
23	15.463	2118	2121	2124	rVV2	77383	117071	0.54%	0.064%
24	15.510	2124	2129	2140	rVB	179028	332807	1.52%	0.181%
25	15.657	2150	2154	2162	rVB	168148	333087	1.52%	0.181%
26	15.745	2162	2169	2176	rVB3	54655	125526	0.57%	0.068%
27	15.892	2190	2194	2206	rVB4	106185	191057	0.87%	0.104%
28	16.221	2239	2250	2255	rBV3	172054	442489	2.02%	0.241%
29	16.268	2255	2258	2264	rVV2	113603	160922	0.74%	0.088%
30	16.368	2272	2275	2280	rVB3	95476	142467	0.65%	0.078%
31	16.492	2292	2296	2299	rVB2	116200	146043	0.67%	0.080%
32	16.568	2304	2309	2316	rVV	293871	487028	2.23%	0.265%
33	16.645	2318	2322	2329	rVV3	136520	322001	1.47%	0.175%
34	16.727	2332	2336	2346	rVB	423106	665064	3.04%	0.362%
35	16.910	2361	2367	2370	rBV	1897982	2724352	12.46%	1.484%
36	16.957	2370	2375	2380	rVB	7854376	11029922	50.45%	6.008%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

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_M\Methods\SFAM-EPA-BM012825.MA.M
Title : SVOA CALIBRATION

37	17.045	2385	2390	2396	rVV	2367457	3232638	14.79%	1.761%
38	17.104	2396	2400	2406	rVV3	184928	295998	1.35%	0.161%
39	17.292	2427	2432	2433	rBV	114336	145631	0.67%	0.079%
40	17.321	2433	2437	2442	rVB	642589	798752	3.65%	0.435%
41	17.433	2452	2456	2462	rBV2	212122	289597	1.32%	0.158%
42	17.492	2462	2466	2475	rVB3	262321	422672	1.93%	0.230%
43	17.633	2486	2490	2498	rVB	155177	282830	1.29%	0.154%
44	17.710	2499	2503	2507	rBV2	78861	112886	0.52%	0.061%
45	17.786	2510	2516	2520	rBV	1020020	1531543	7.01%	0.834%
46	17.833	2520	2524	2532	rVB	1472462	2125831	9.72%	1.158%
47	17.915	2533	2538	2543	rBV	676583	953585	4.36%	0.519%
48	17.980	2543	2549	2553	rBV2	1955807	3419713	15.64%	1.863%
49	18.021	2553	2556	2563	rVB	778287	1029737	4.71%	0.561%
50	18.098	2566	2569	2572	rBV2	96525	141669	0.65%	0.077%
51	18.139	2573	2576	2581	rVB4	121629	165913	0.76%	0.090%
52	18.192	2581	2585	2588	rBV3	150275	222512	1.02%	0.121%
53	18.298	2598	2603	2606	rBV	755657	1036123	4.74%	0.564%
54	18.339	2606	2610	2617	rVB2	583586	835577	3.82%	0.455%
55	18.515	2637	2640	2642	rBV2	130278	171063	0.78%	0.093%
56	18.545	2642	2645	2650	rVB2	324370	434610	1.99%	0.237%
57	18.598	2650	2654	2657	rBV	344255	439644	2.01%	0.239%
58	18.633	2657	2660	2666	rVB2	293054	392213	1.79%	0.214%
59	18.721	2670	2675	2680	rBV	666449	1124264	5.14%	0.612%
60	18.780	2680	2685	2689	rVV3	325296	499031	2.28%	0.272%
61	18.862	2694	2699	2706	rBV	865743	1485303	6.79%	0.809%
62	18.986	2714	2720	2726	rBV	16297106	21862607	100.00%	11.908%
63	19.057	2728	2732	2734	rVV	207339	270642	1.24%	0.147%
64	19.086	2734	2737	2741	rVV2	354363	459572	2.10%	0.250%
65	19.133	2742	2745	2749	rVB2	176316	222680	1.02%	0.121%
66	19.227	2758	2761	2765	rVB	304956	394380	1.80%	0.215%
67	19.351	2778	2782	2790	rVB	11598577	16708496	76.42%	9.100%
68	19.427	2790	2795	2801	rBV2	586136	1035358	4.74%	0.564%
69	19.533	2809	2813	2819	rVV	871021	1193295	5.46%	0.650%
70	19.592	2819	2823	2829	rVB	848193	1393399	6.37%	0.759%
71	19.680	2832	2838	2845	rBV2	915969	2263116	10.35%	1.233%
72	19.768	2851	2853	2856	rBV3	151444	141489	0.65%	0.077%
73	19.815	2856	2861	2863	rBV4	831117	1369927	6.27%	0.746%
74	19.851	2864	2867	2871	rVV	2015052	2716129	12.42%	1.479%
75	19.898	2873	2875	2878	rVV2	273039	369851	1.69%	0.201%
76	19.951	2880	2884	2888	rVV	1396833	1885922	8.63%	1.027%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

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_M\Methods\SFAM-EPA-BM012825.MA.M
Title : SVOA CALIBRATION

77	20.009	2888	2894	2898	rVV2	1587668	2580329	11.80%	1.405%
78	20.051	2898	2901	2905	rVV	544548	843523	3.86%	0.459%
79	20.092	2905	2908	2912	rVV	349534	526623	2.41%	0.287%
80	20.151	2914	2918	2922	rVV	684627	917534	4.20%	0.500%
81	20.192	2922	2925	2930	rVB	706735	1014993	4.64%	0.553%
82	20.603	2991	2995	3001	rBV	1365136	1848627	8.46%	1.007%
83	20.768	3018	3023	3027	rBV3	1379246	2272564	10.39%	1.238%
84	20.809	3027	3030	3033	rVV	1288372	1489378	6.81%	0.811%
85	20.851	3033	3037	3042	rVV2	1057771	2108387	9.64%	1.148%
86	20.909	3043	3047	3053	rVB	1524168	2067146	9.46%	1.126%
87	21.139	3077	3086	3091	rBV3	9233718	17186684	78.61%	9.361%
88	21.192	3091	3095	3107	rVB	7004680	10402540	47.58%	5.666%
89	21.321	3114	3117	3124	rBV	925755	1567266	7.17%	0.854%
90	21.386	3125	3128	3131	rVV2	397842	533386	2.44%	0.291%
91	21.503	3145	3148	3150	rBV	310529	422614	1.93%	0.230%
92	21.798	3195	3198	3203	rVB	1141150	1598464	7.31%	0.871%
93	21.856	3205	3208	3216	rVB	604832	1069397	4.89%	0.582%
94	22.033	3235	3238	3242	rBV	602102	847950	3.88%	0.462%
95	23.080	3408	3416	3421	rBV	4624075	12854820	58.80%	7.002%
96	23.292	3447	3452	3458	rVB	911252	1673293	7.65%	0.911%
97	23.686	3514	3519	3532	rVB2	1181230	3172388	14.51%	1.728%
98	23.815	3534	3541	3552	rVB	2573061	6068238	27.76%	3.305%
99	23.944	3556	3563	3570	rBV	1324108	3163381	14.47%	1.723%
100	27.050	4083	4091	4111	rVB2	1394181	5937135	27.16%	3.234%

Sum of corrected areas: 183600167

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
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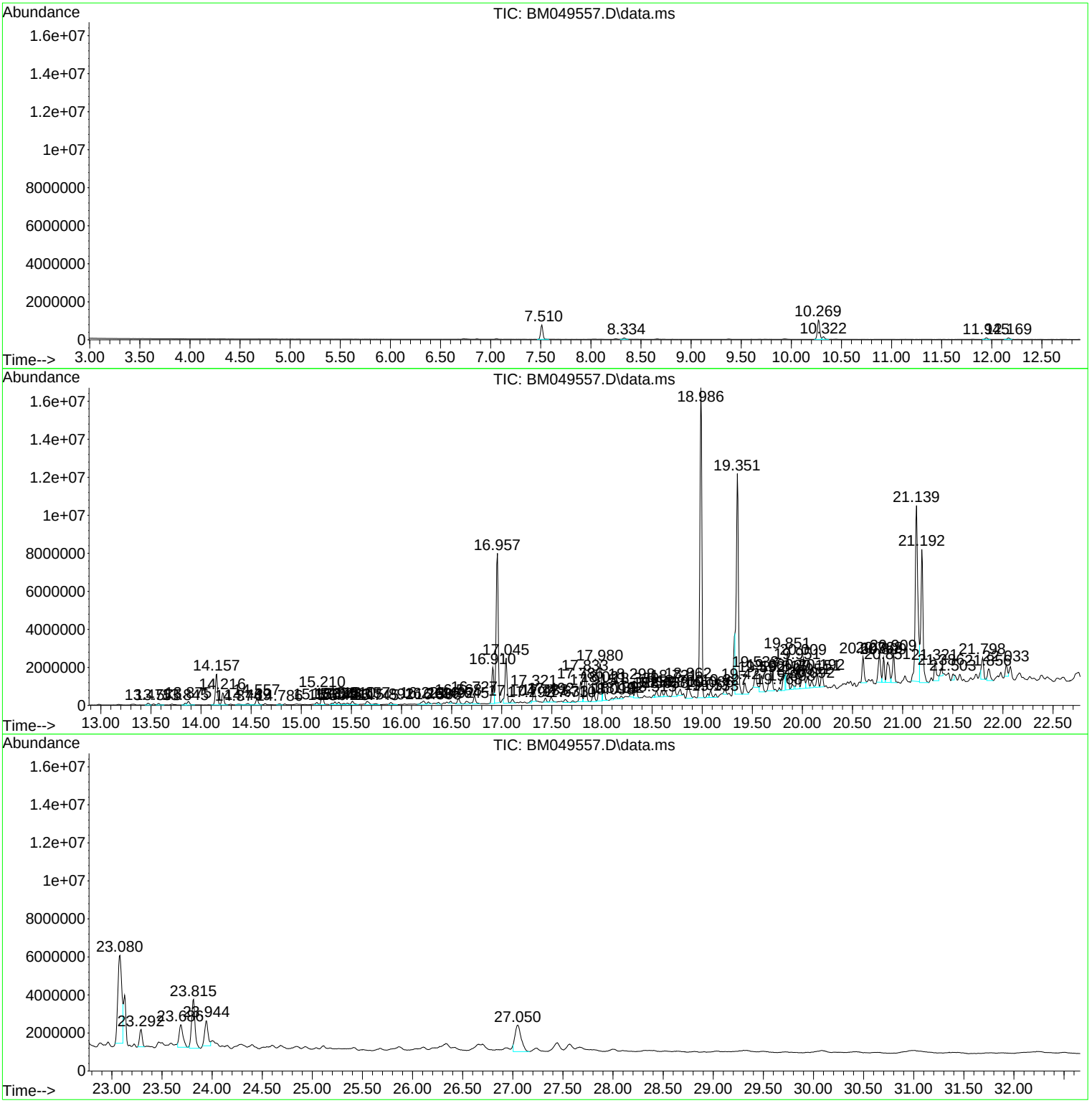
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

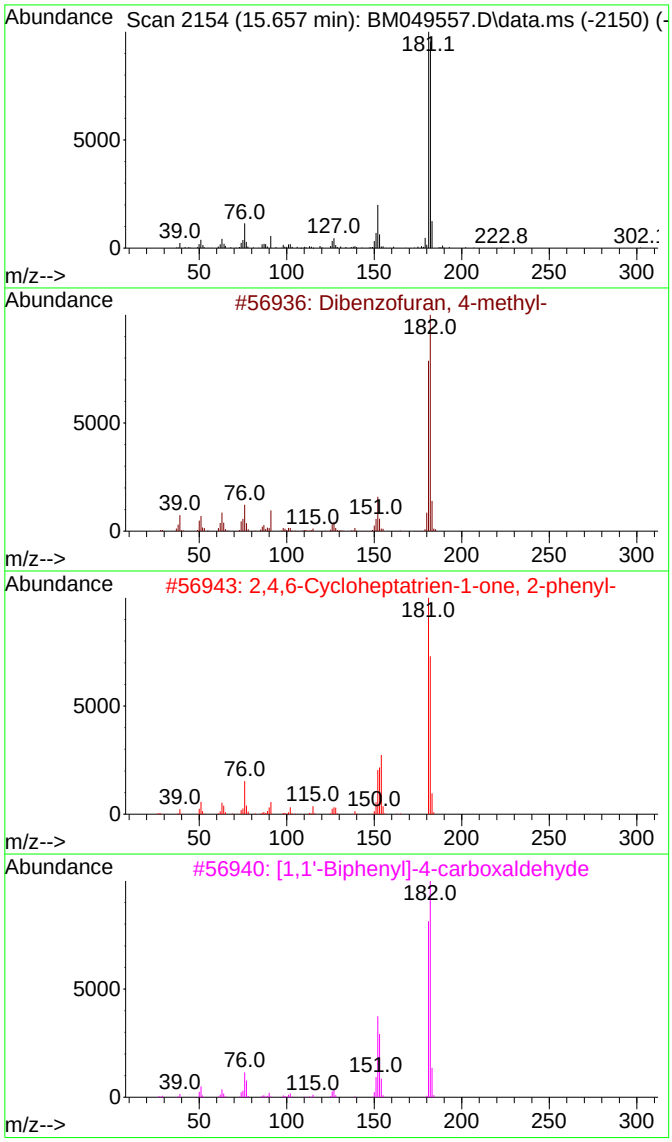
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

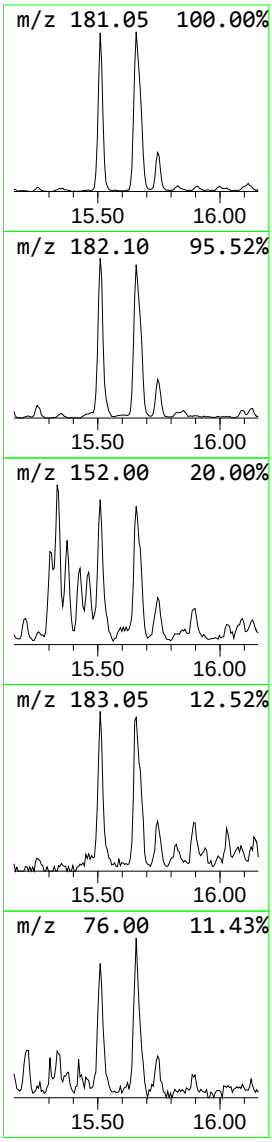
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.657	2.45 ng/ul	333087	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

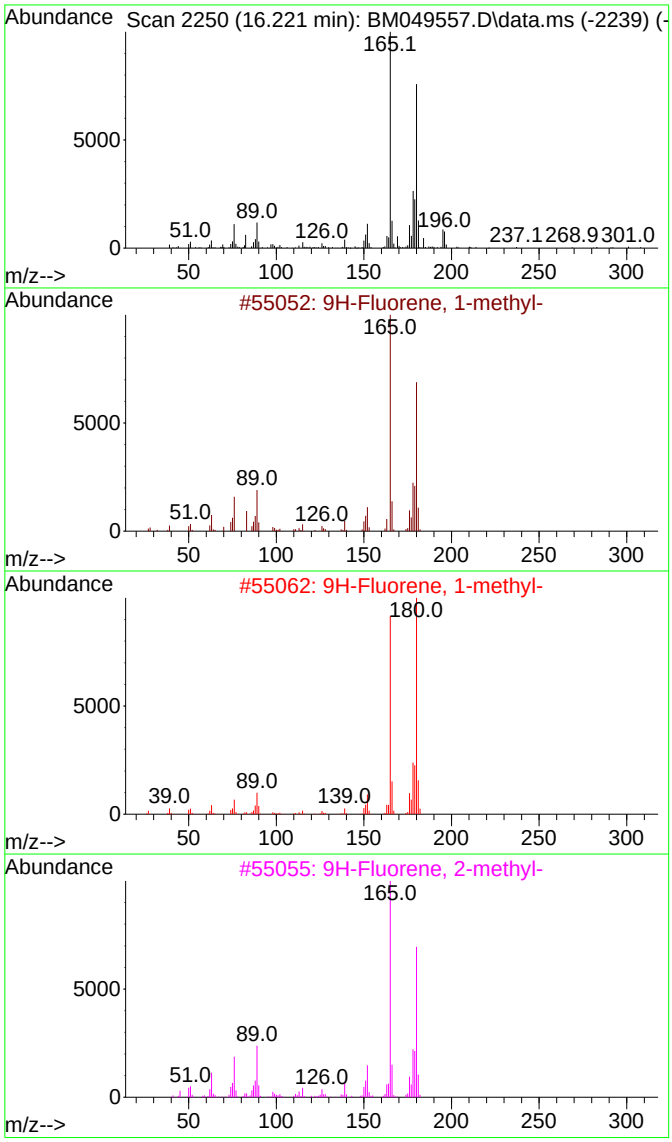
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

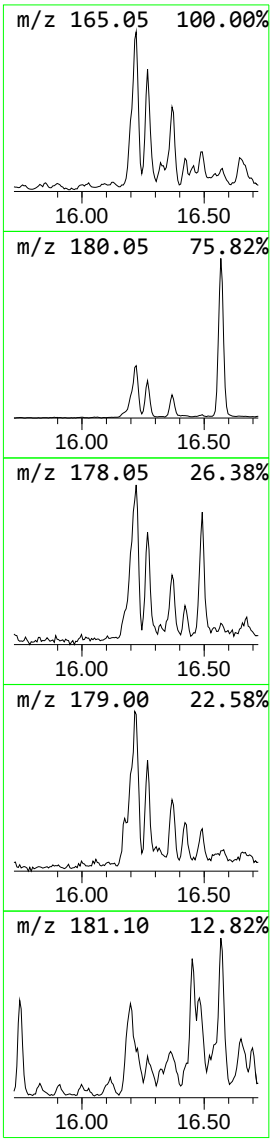
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.221	3.25 ng/ul	442489	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

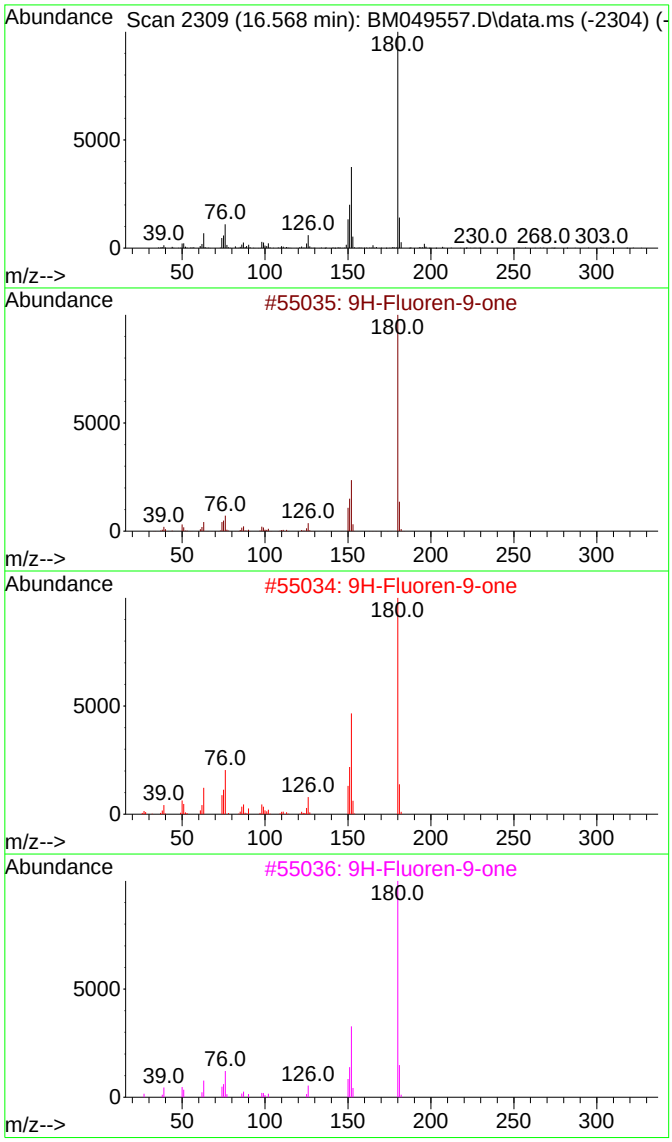
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

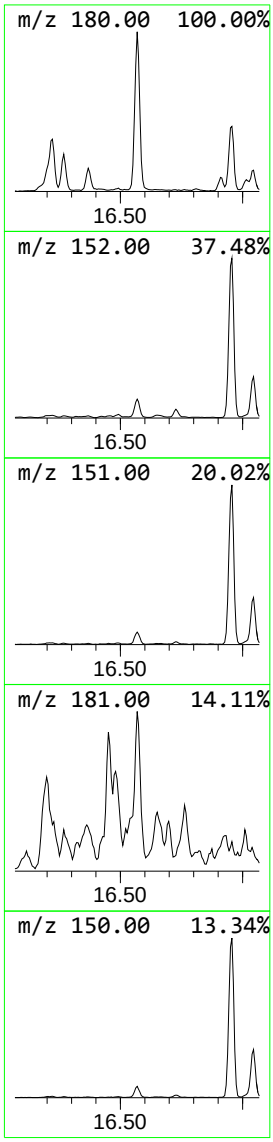
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.568	3.58 ng/ul	487028	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

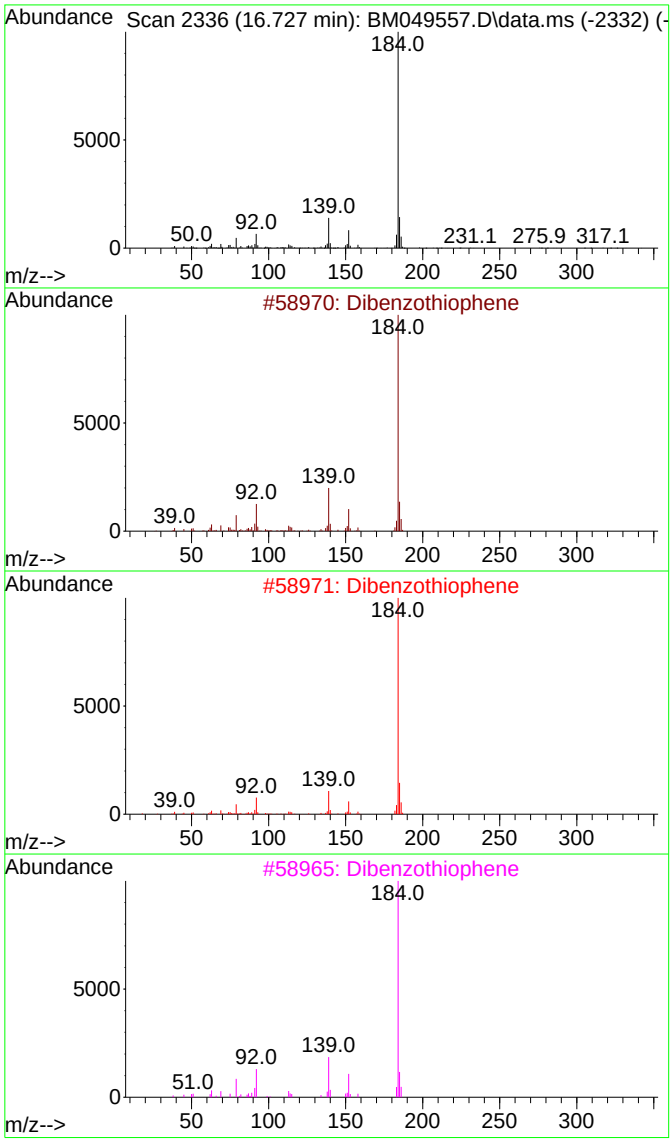
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

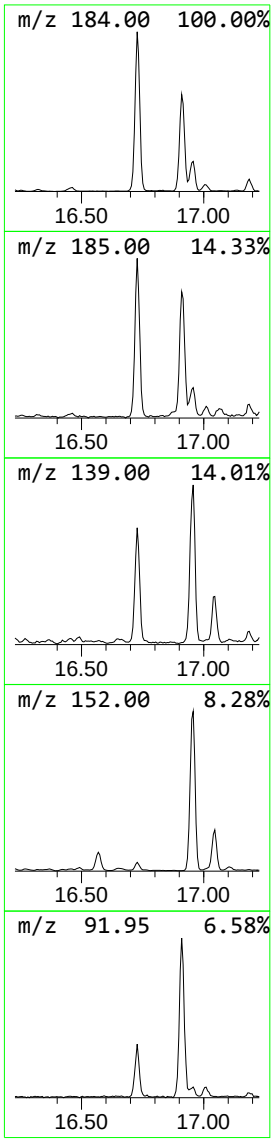
****

Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.727	4.88 ng/ul	665064	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

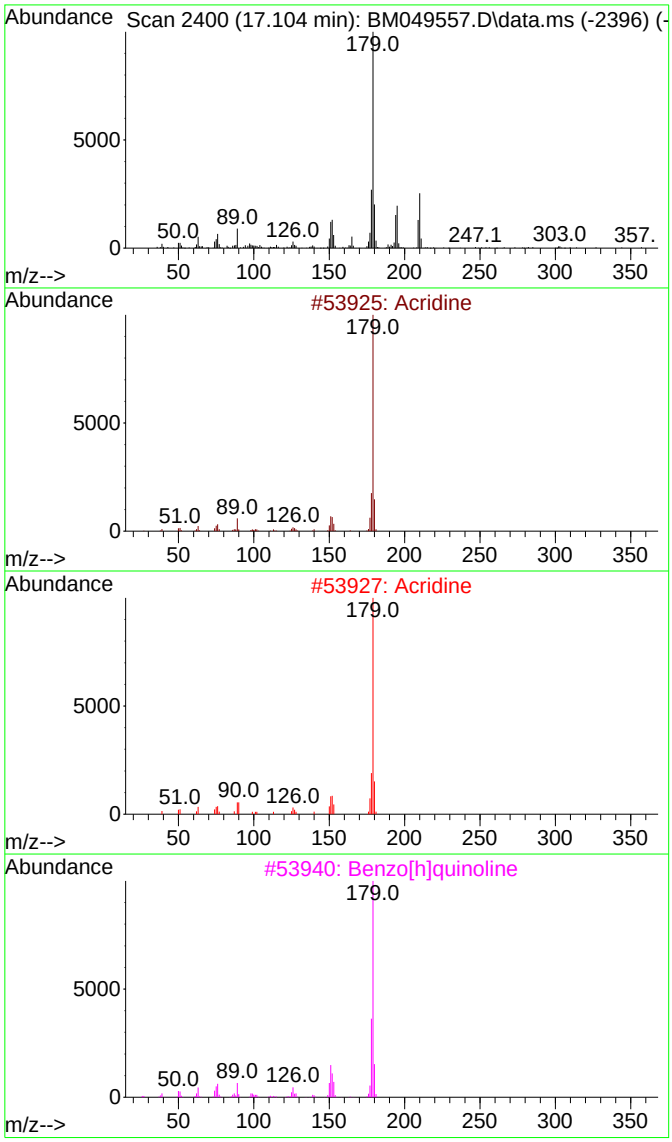
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

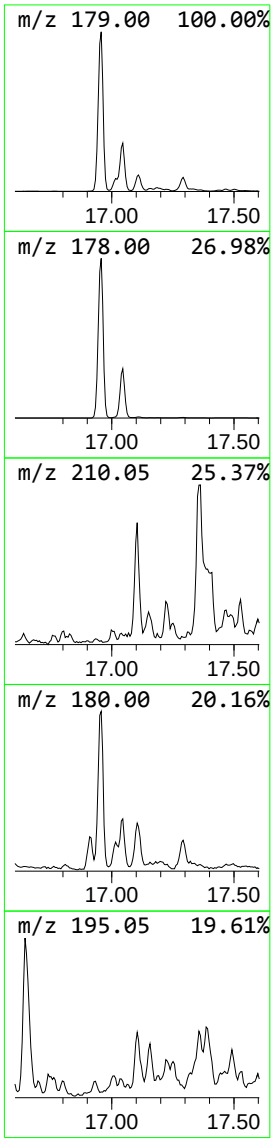
****

Peak Number 7 Acridine Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.104	2.17 ng/ul	295998	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	91
2	Acridine	179	C13H9N	000260-94-6	70
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	64
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	64





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Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

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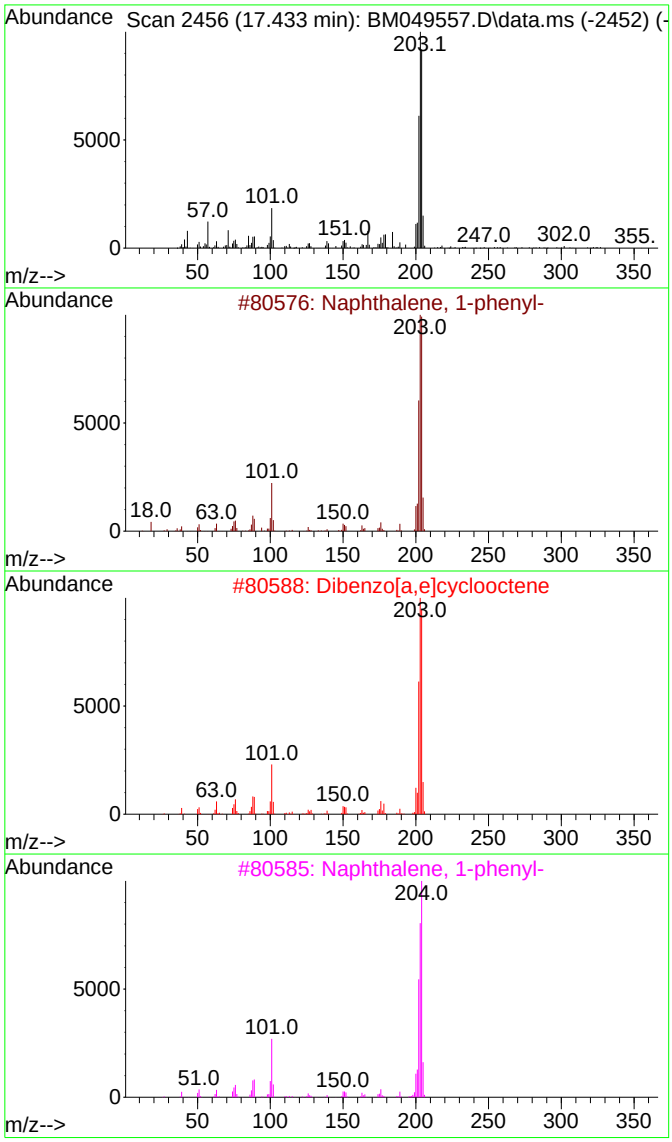
Quant Title : SVOA CALIBRATION

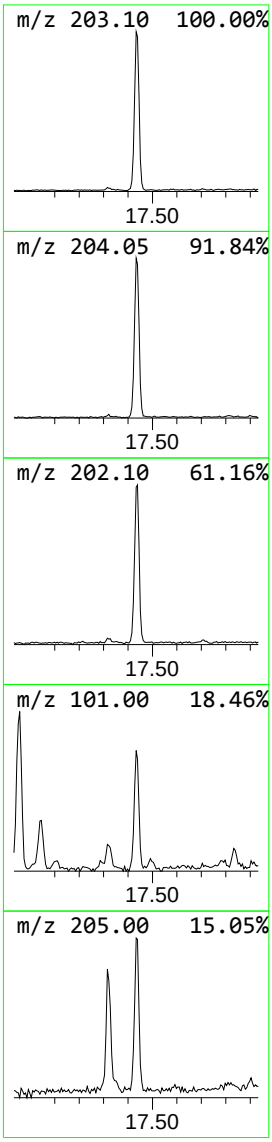
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1-phenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.433	2.13 ng/ul	289597	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

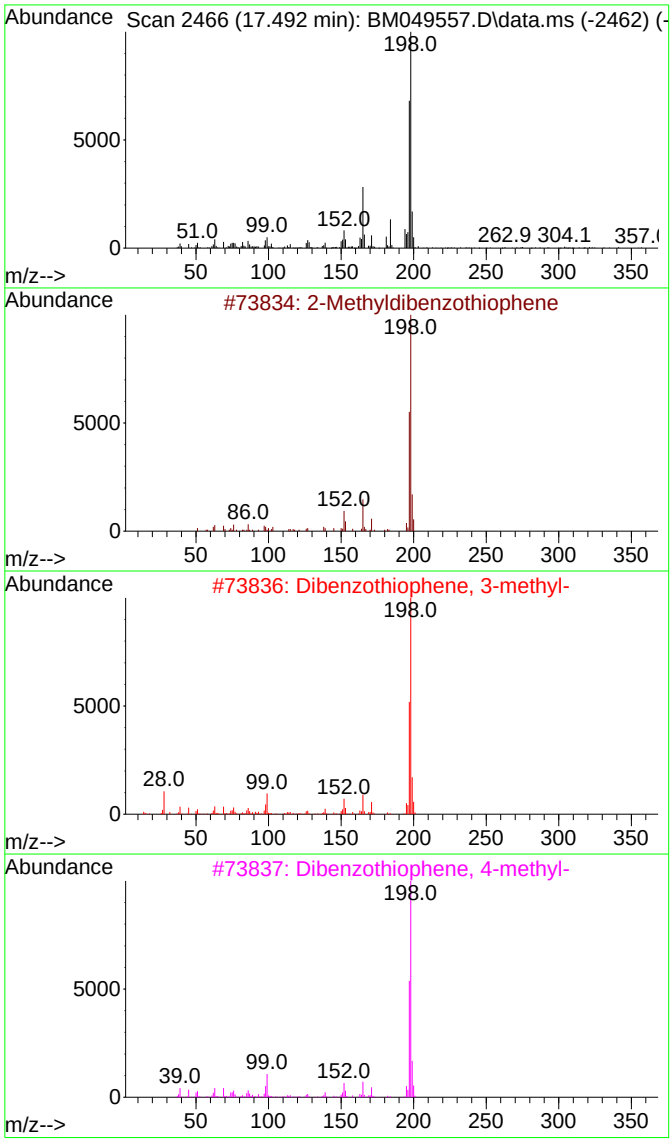
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

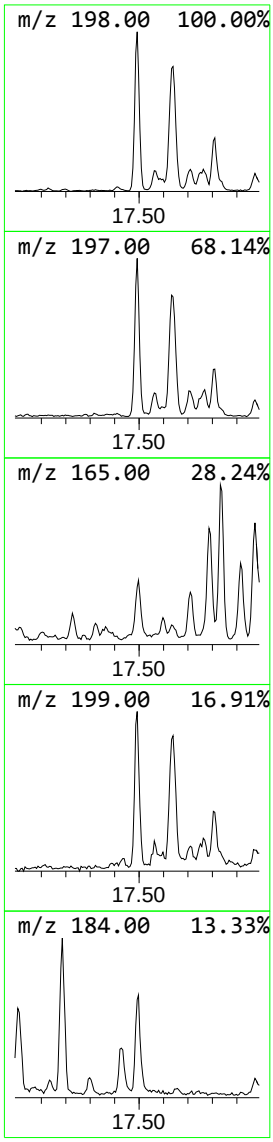
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.492	3.10 ng/ul	422672	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
5	Tacrine	198	C13H14N2	000321-64-2	64





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
A44S3

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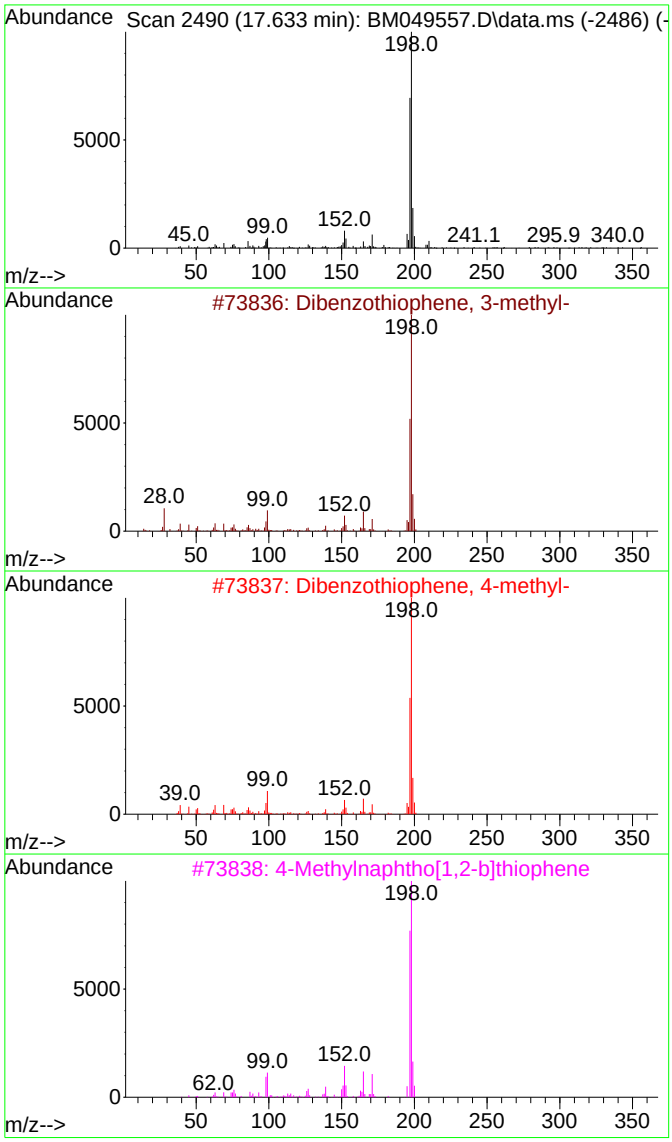
Quant Title : SVOA CALIBRATION

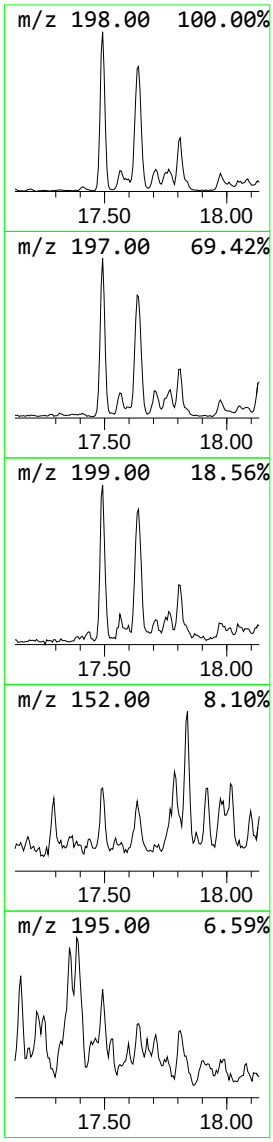
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dibenzothiophene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.633	2.08 ng/ul	282830	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

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Quant Title : SVOA CALIBRATION

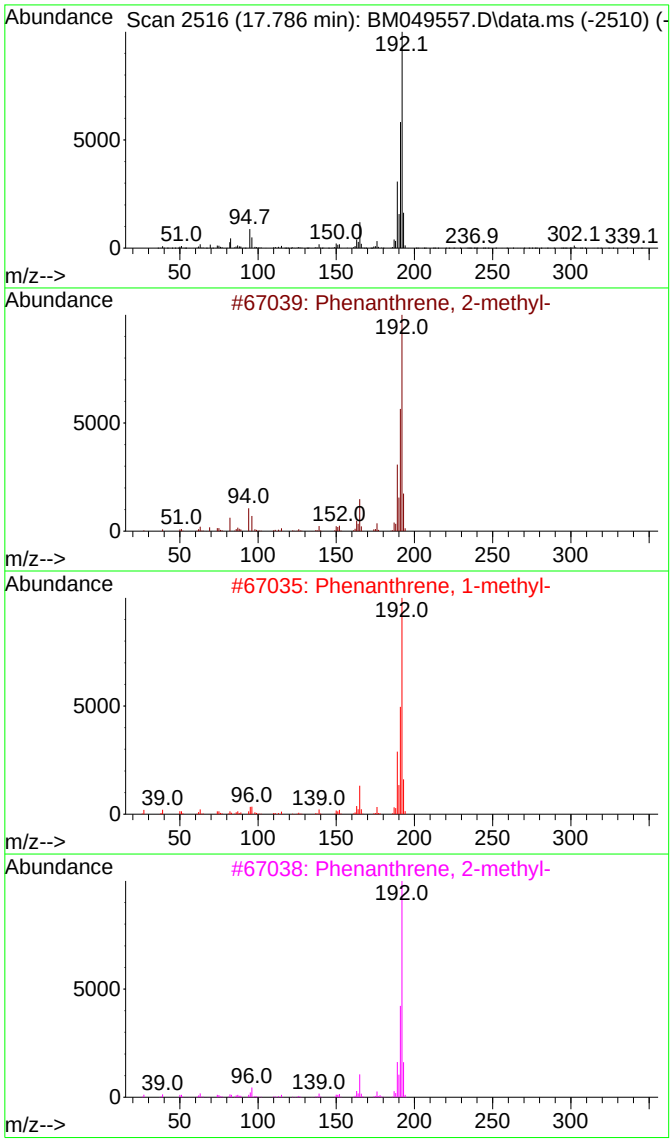
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

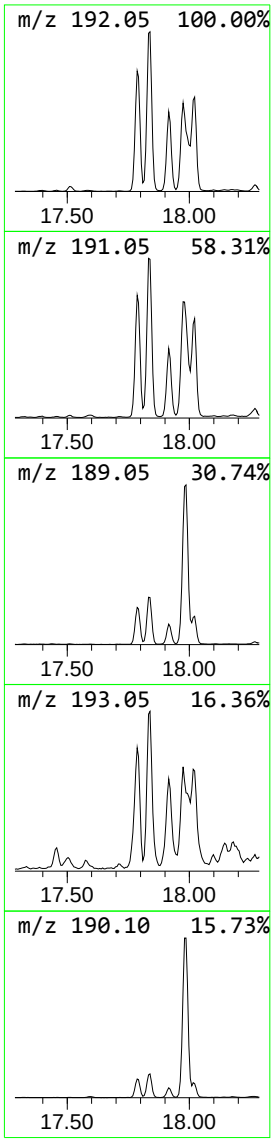
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.786	11.24 ng/ul	1531540	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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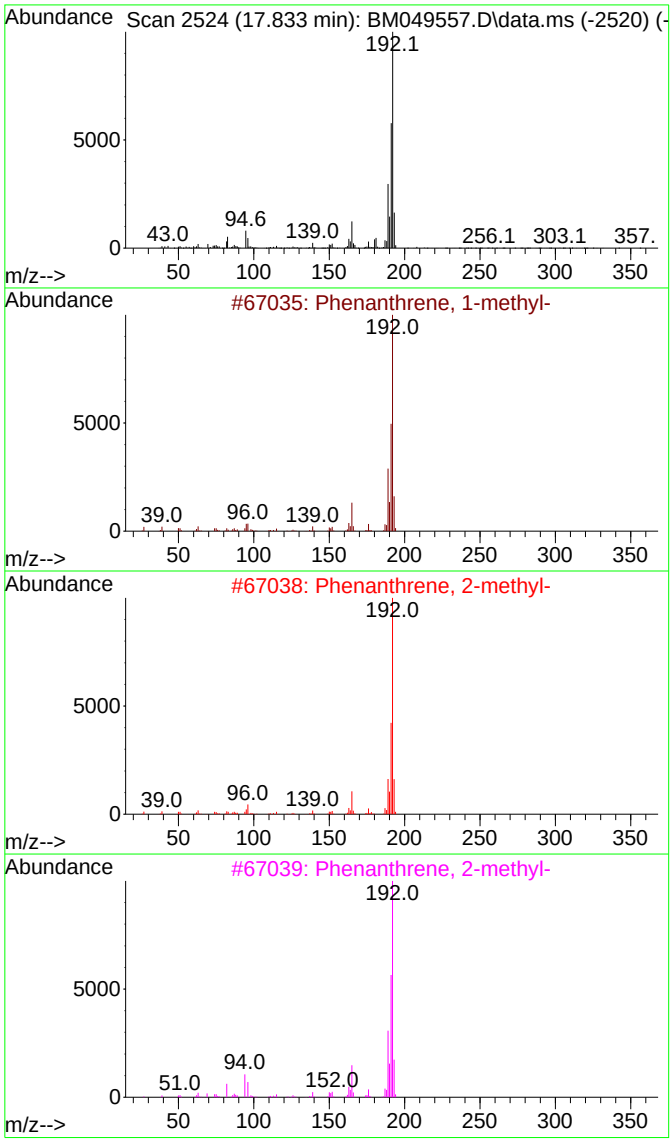
Quant Title : SVOA CALIBRATION

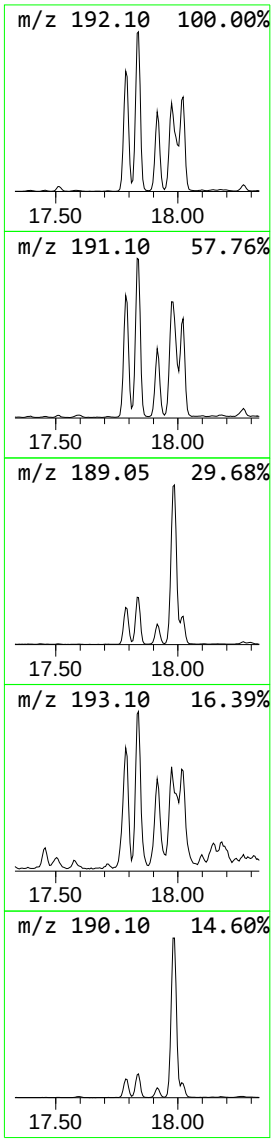
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	15.61 ng/ul	2125830	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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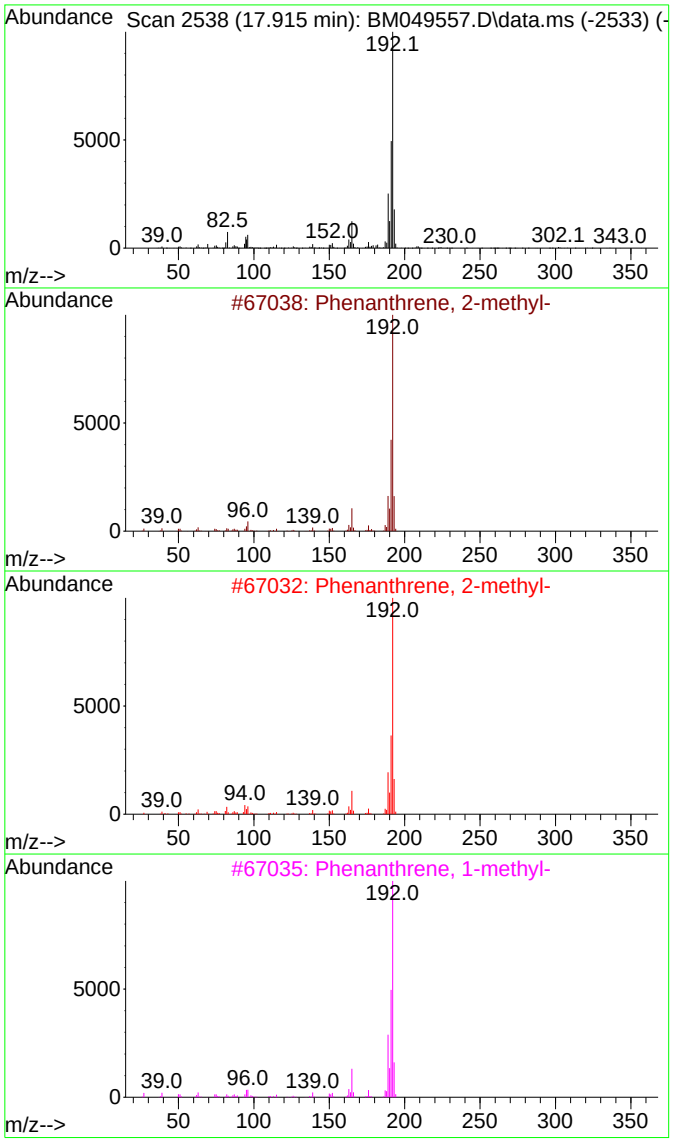
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

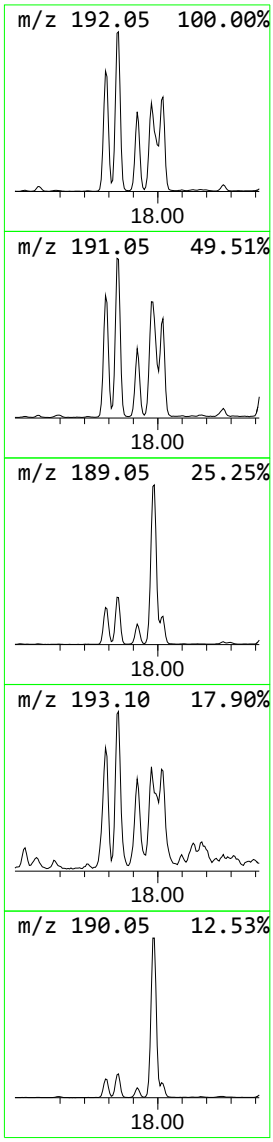
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.915	7.00 ng/ul	953585	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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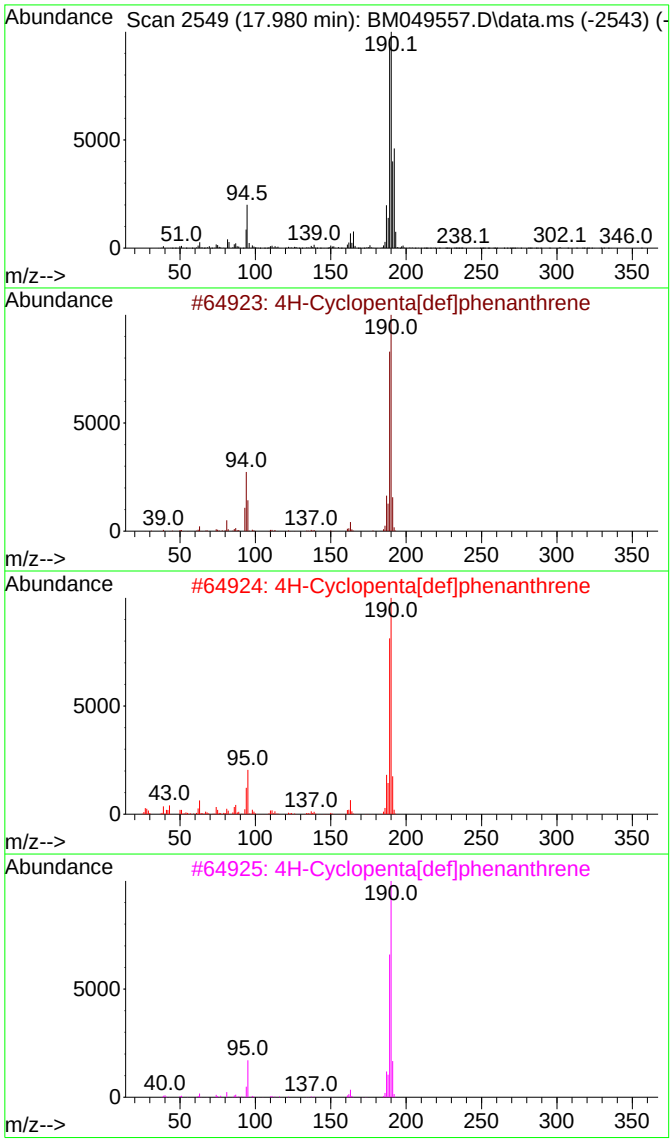
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

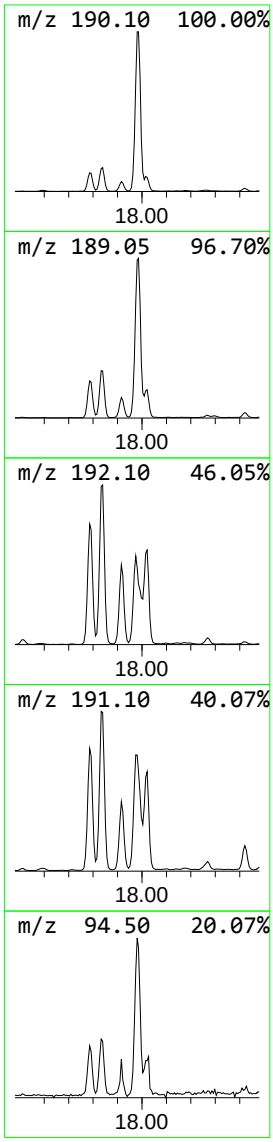
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.980	25.10 ng/ul	3419710	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





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Misc :
ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SVOA CALIBRATION

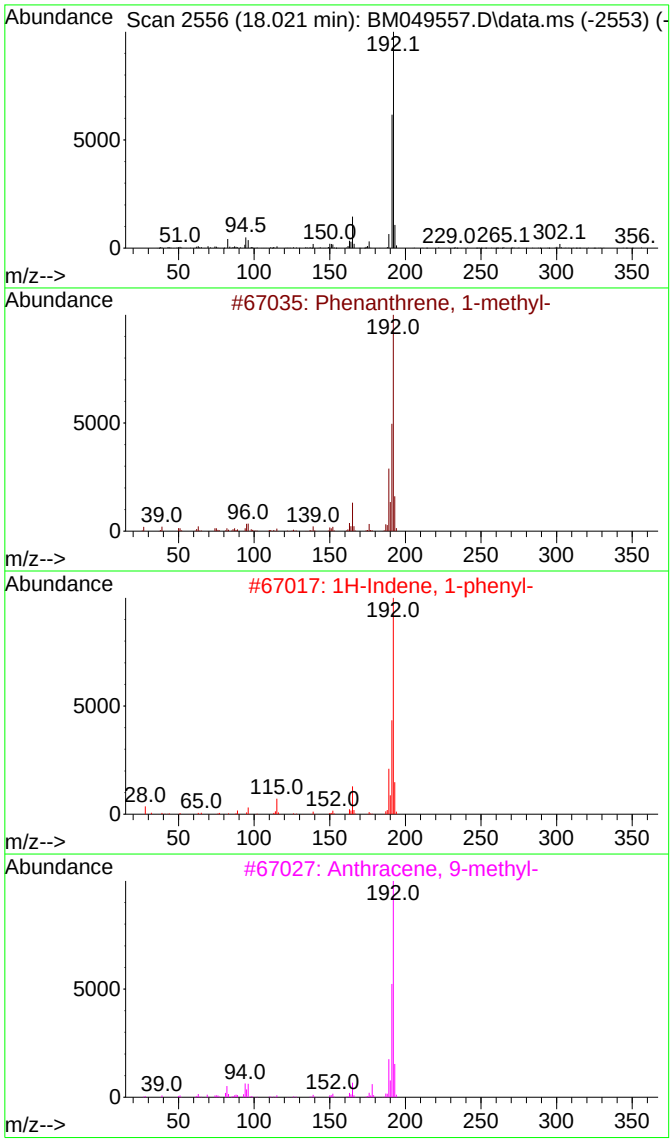
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

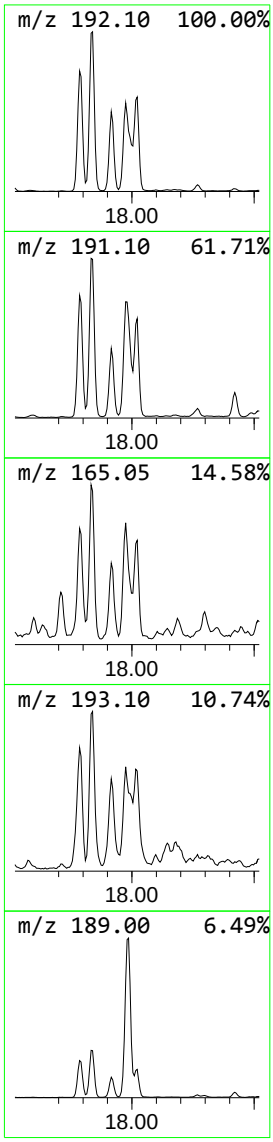
****

Peak Number 15 1H-Indene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.021	7.56 ng/ul	1029740	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83





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ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

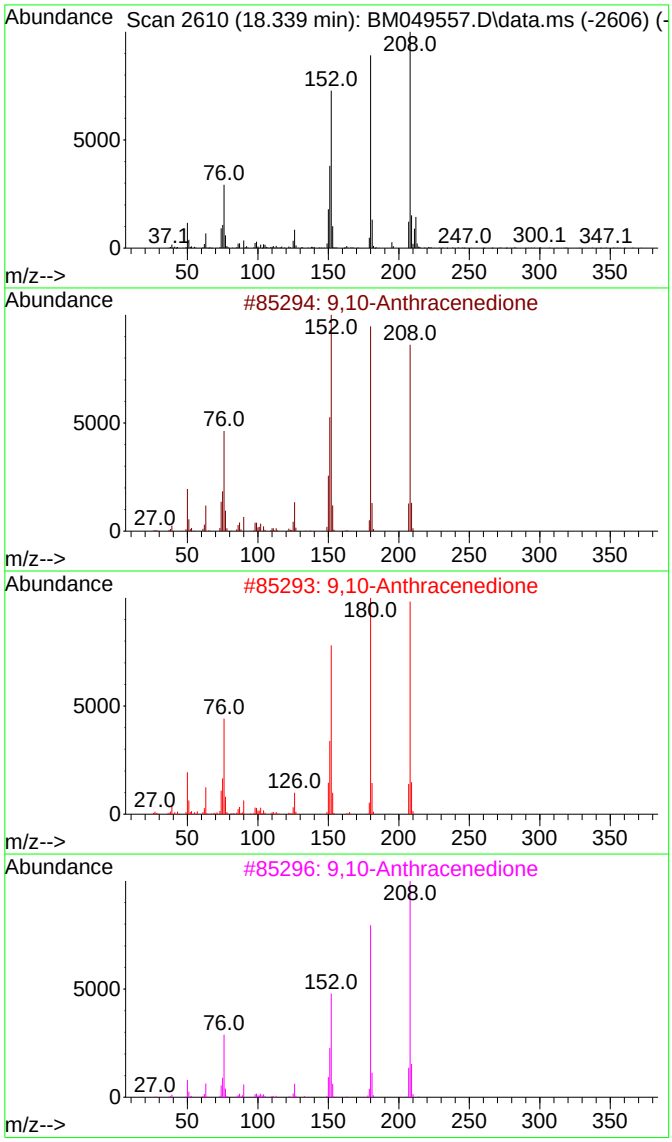
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

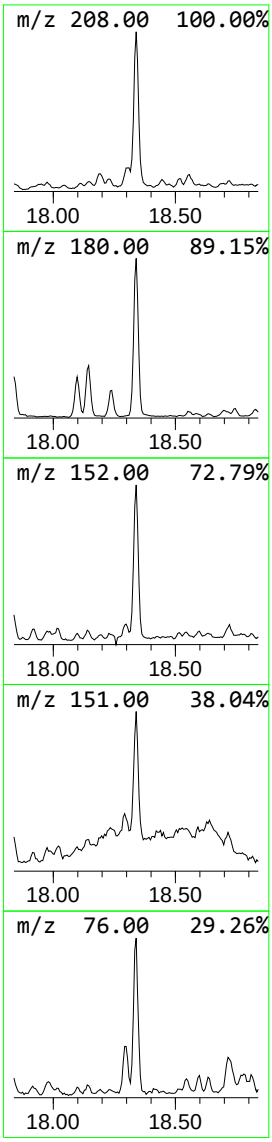
****

Peak Number 17 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	6.13 ng/ul	835577	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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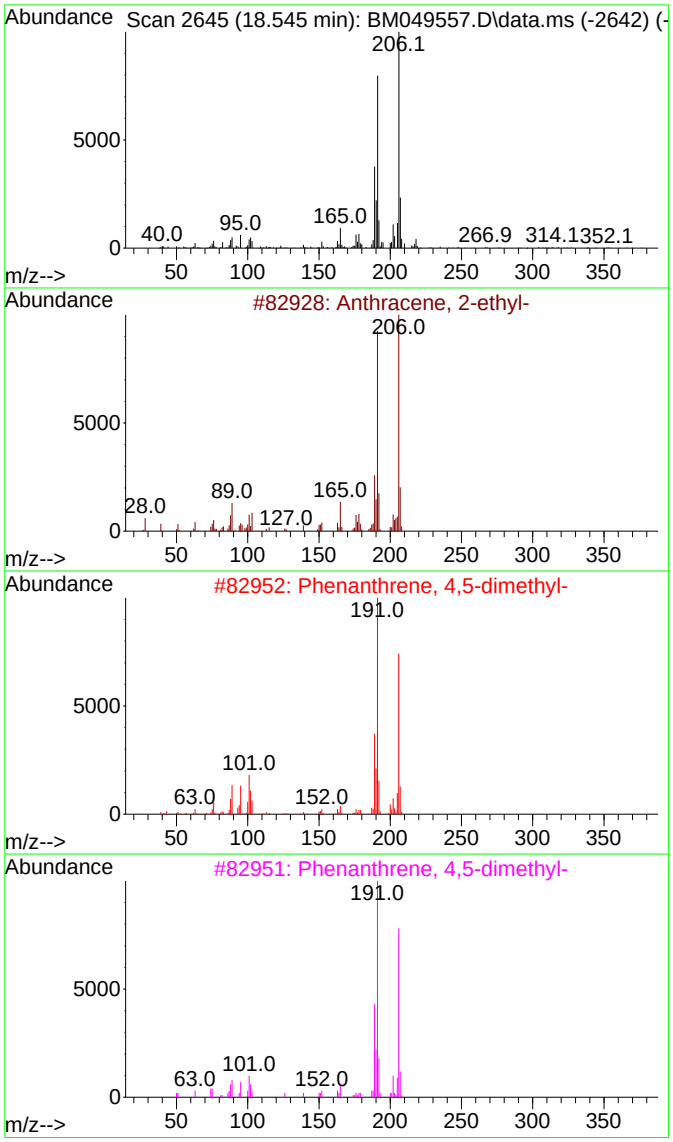
Quant Title : SVOA CALIBRATION

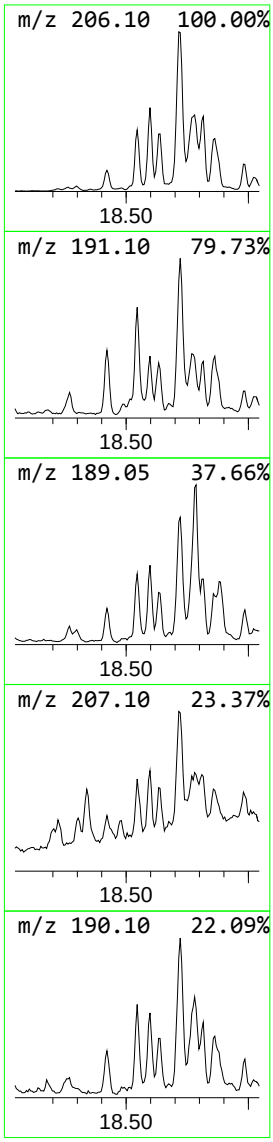
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.545	3.19 ng/ul	434610	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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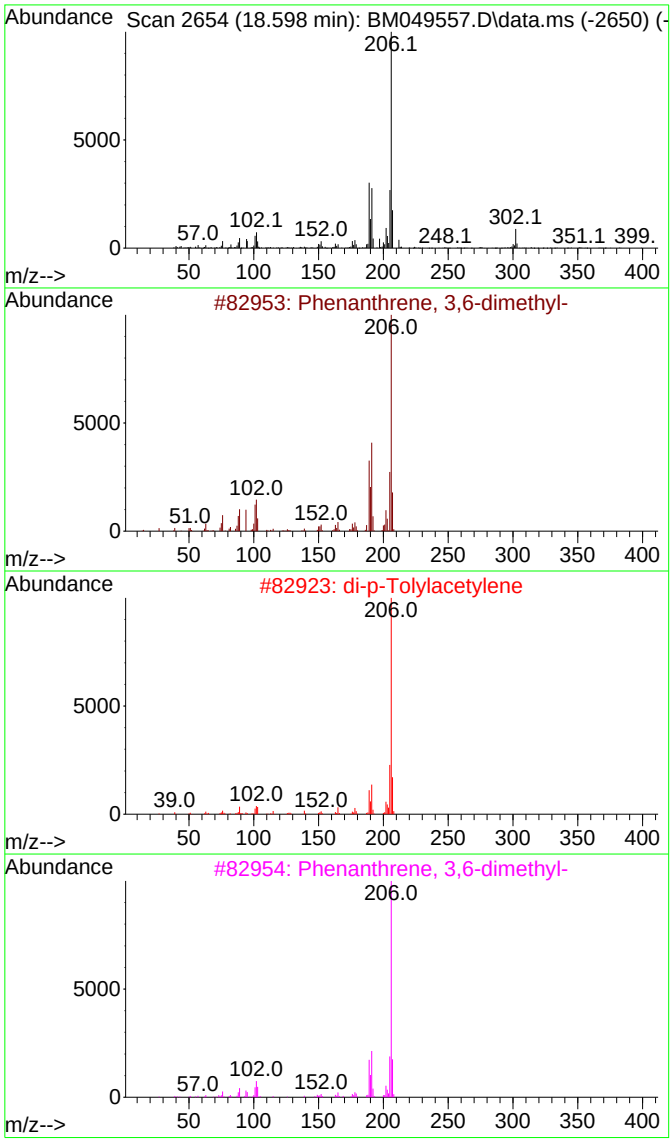
Quant Title : SVOA CALIBRATION

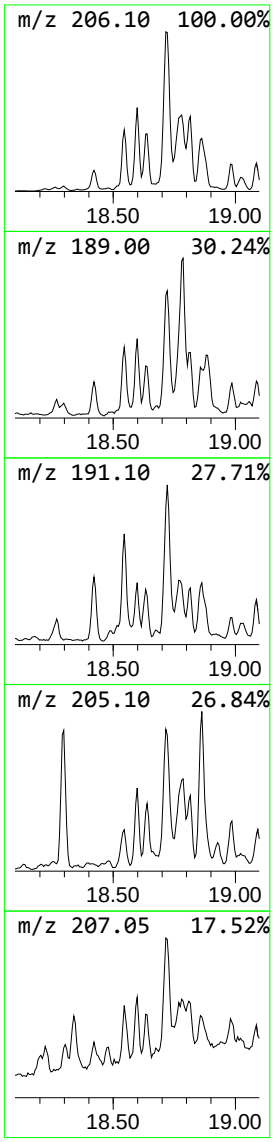
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	3.23 ng/ul	439644	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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ClientSampleId :
A44S3

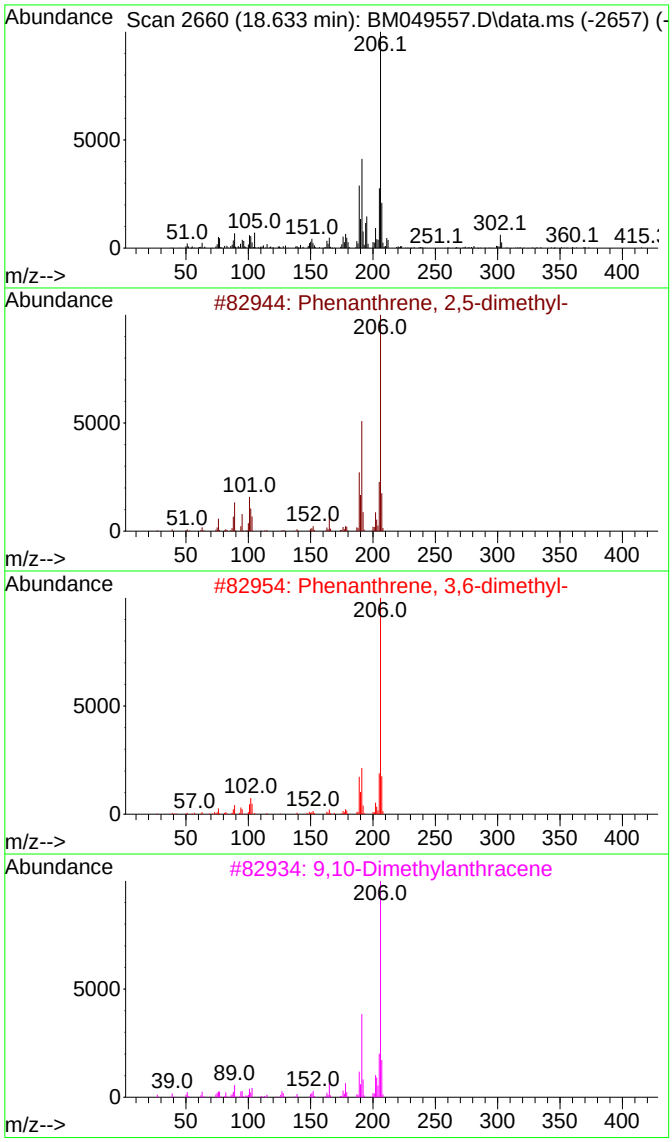
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

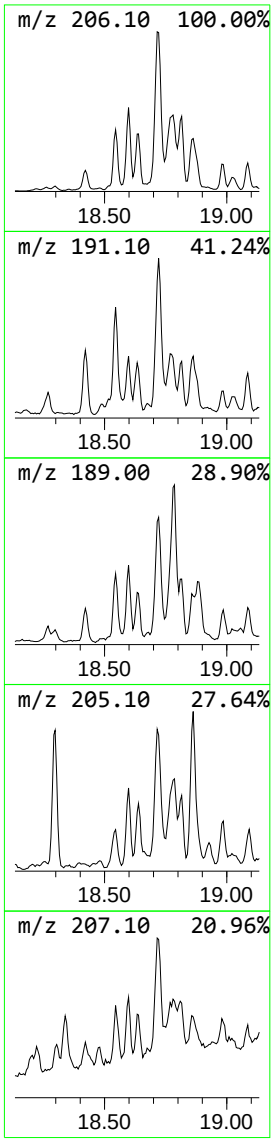
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.633	2.88 ng/ul	392213	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	89
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

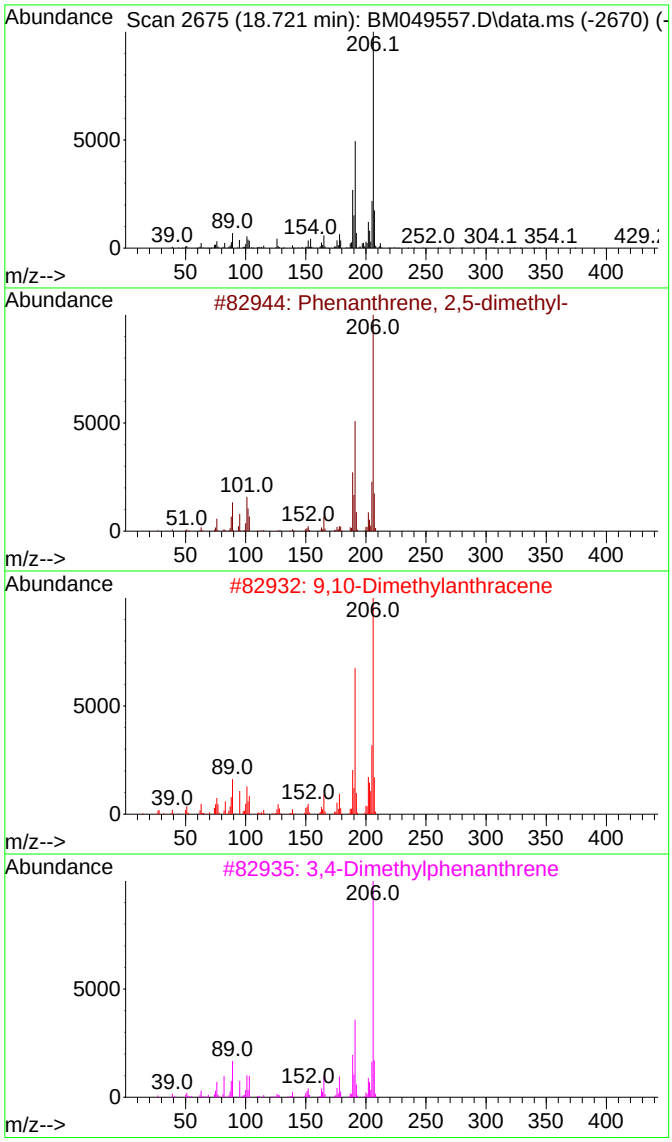
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

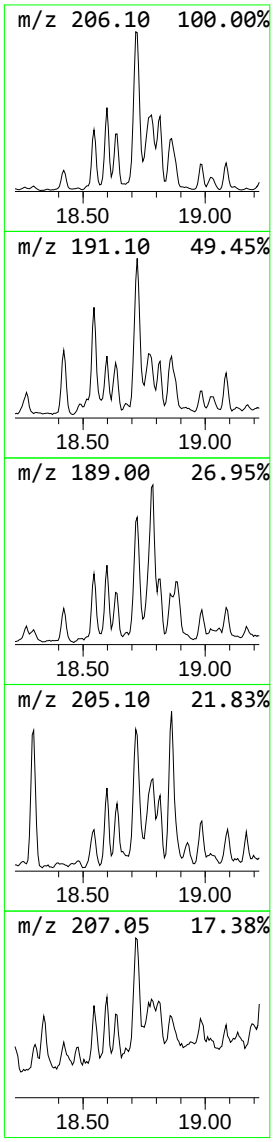
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.721	8.25 ng/ul	1124260	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

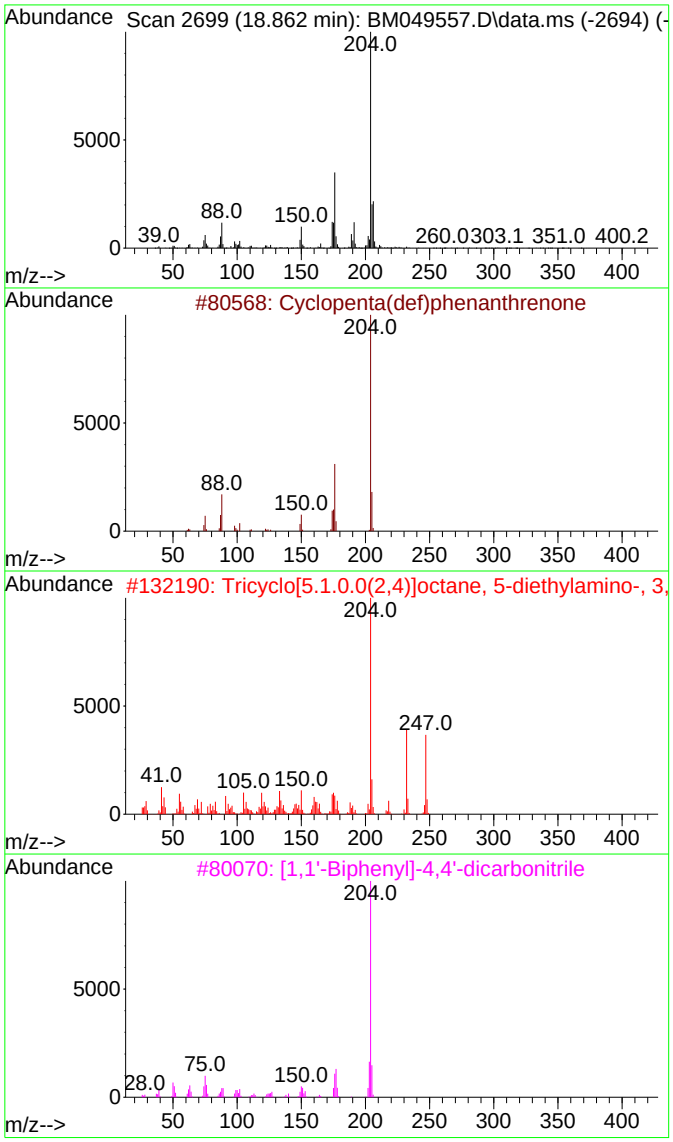
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

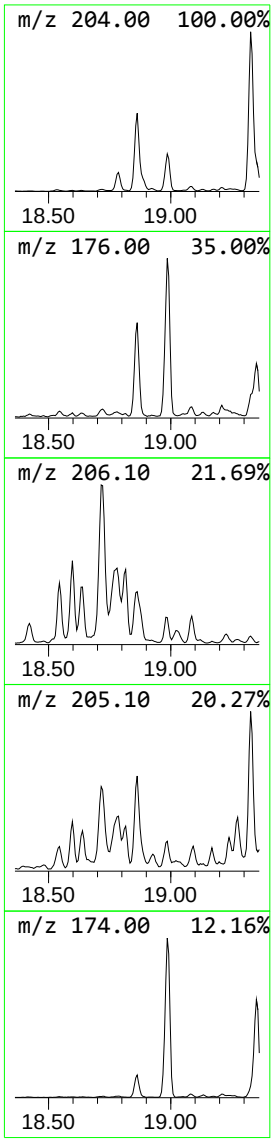
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.862	10.90 ng/ul	1485300	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

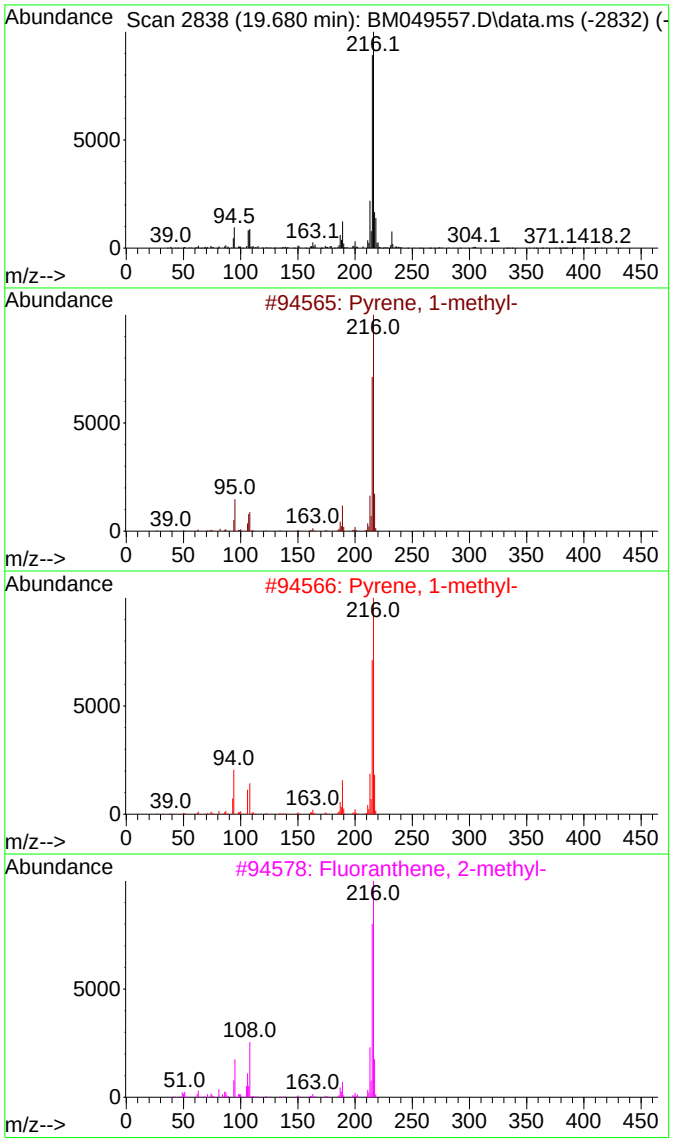
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

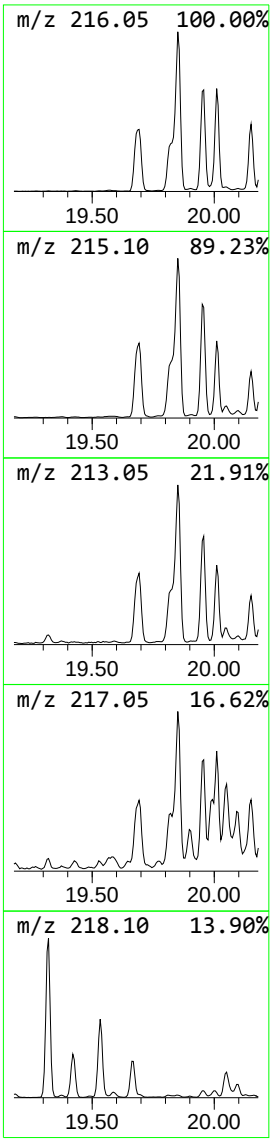
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.680	2.63 ng/ul	2263120	Chrysene-d12	21.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Acq On : 31 Jan 2025 14:38
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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

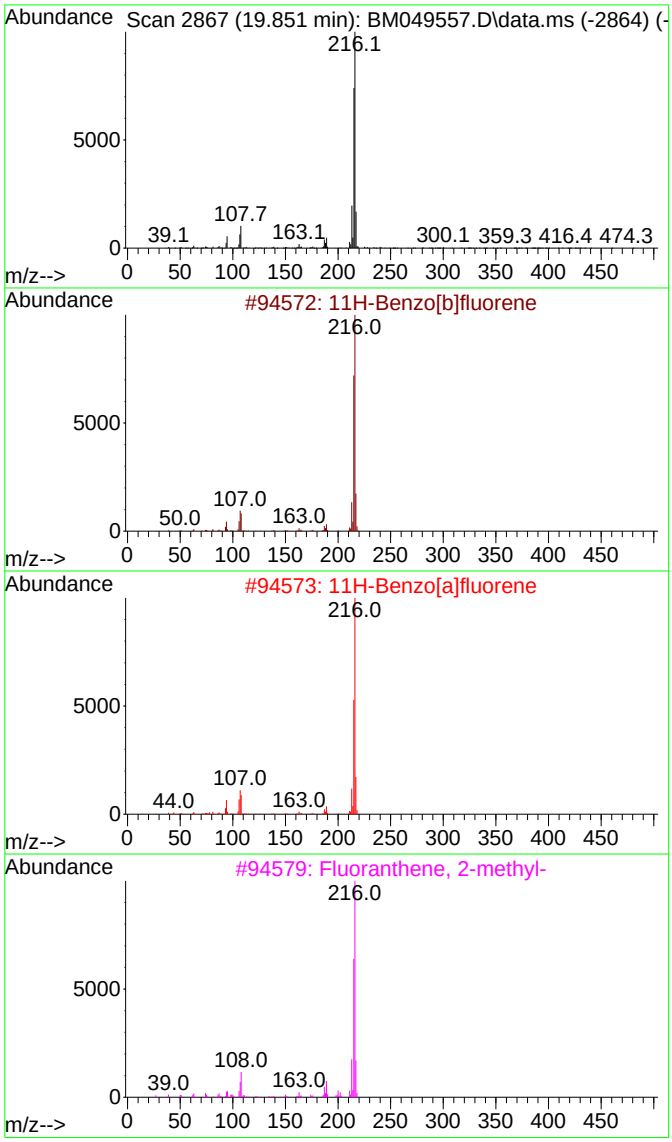
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

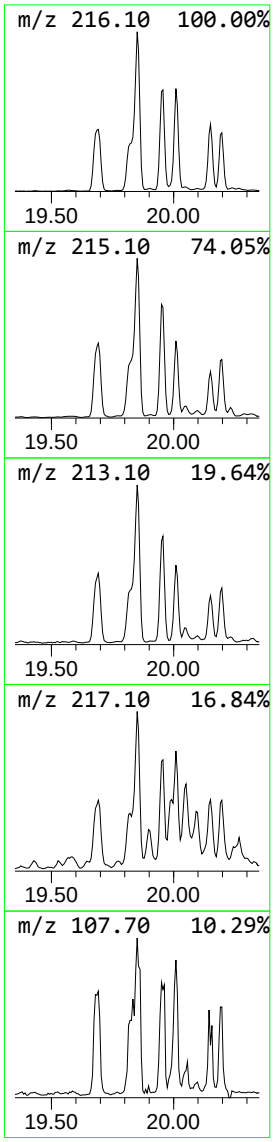
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.851	3.16 ng/ul	2716130	Chrysene-d12	21.151

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





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Acq On : 31 Jan 2025 14:38
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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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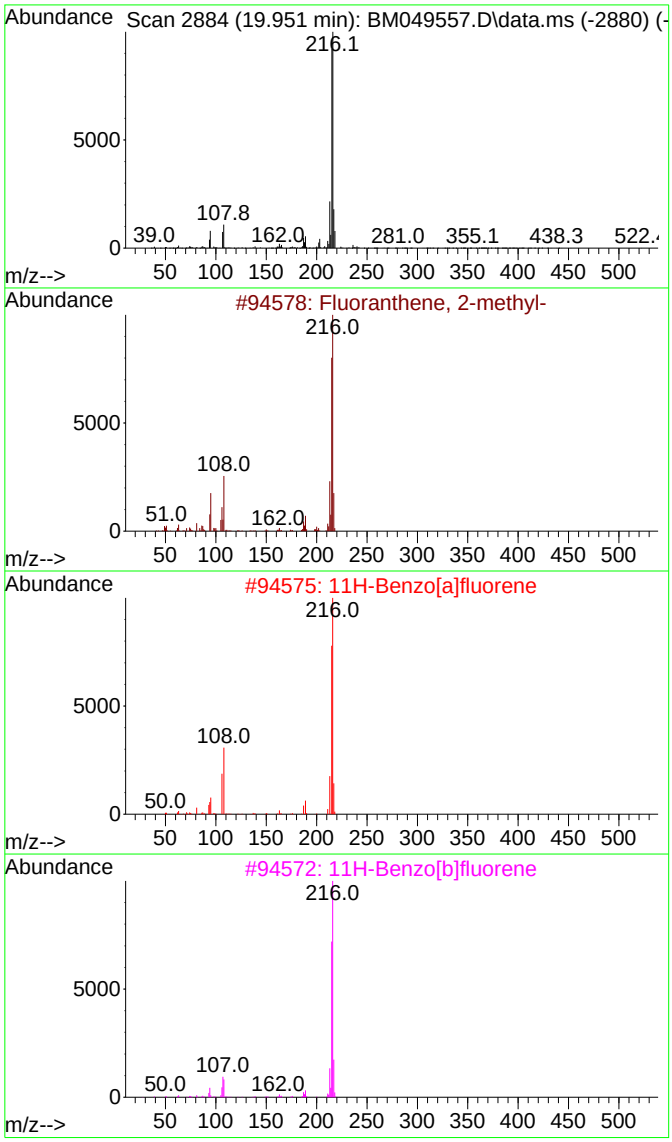
Quant Title : SVOA CALIBRATION

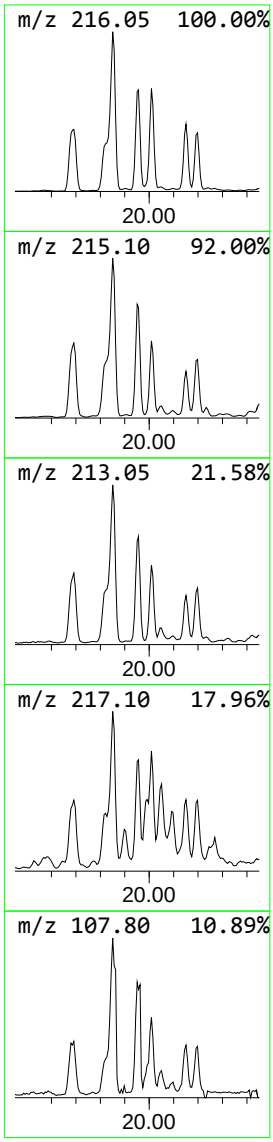
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.951	2.19 ng/ul	1885920	Chrysene-d12	21.151

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





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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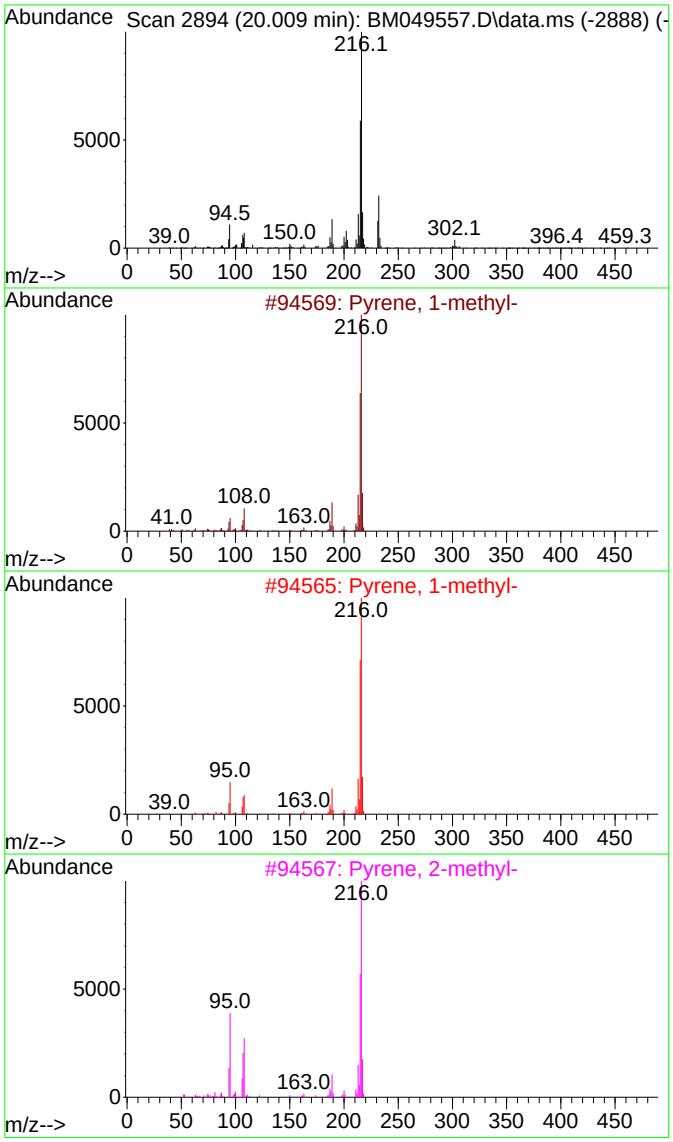
Quant Title : SVOA CALIBRATION

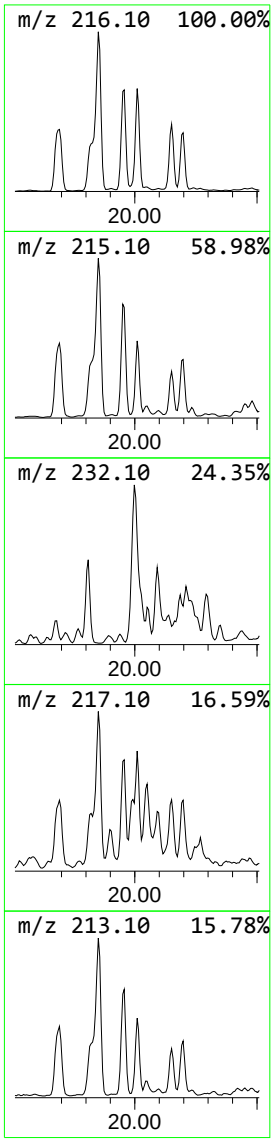
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.009	3.00 ng/ul	2580330	Chrysene-d12	21.151

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	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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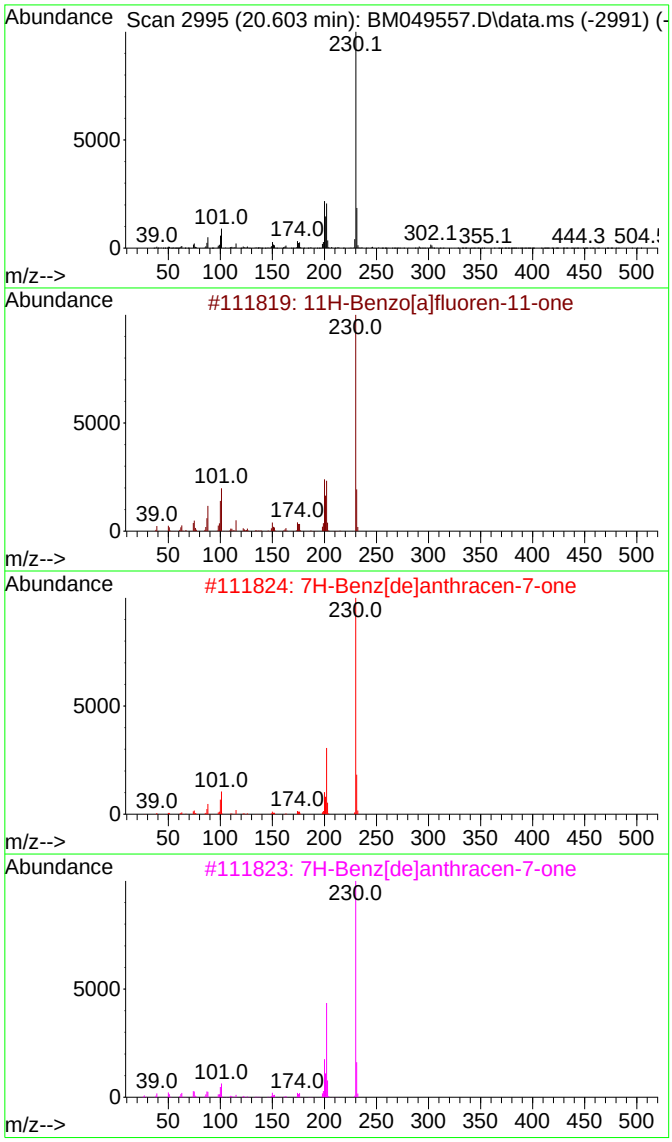
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

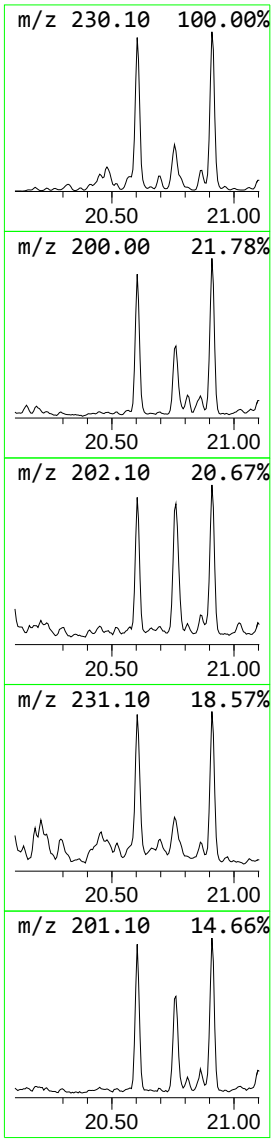
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.604	2.15 ng/ul	1848630	Chrysene-d12	21.151

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	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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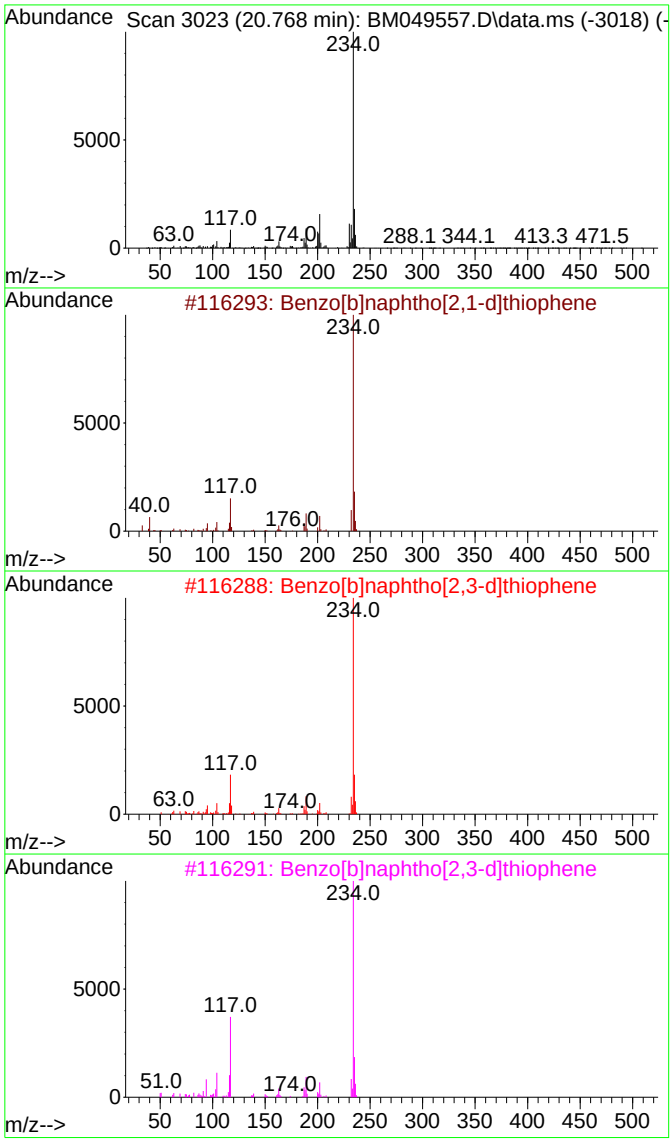
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

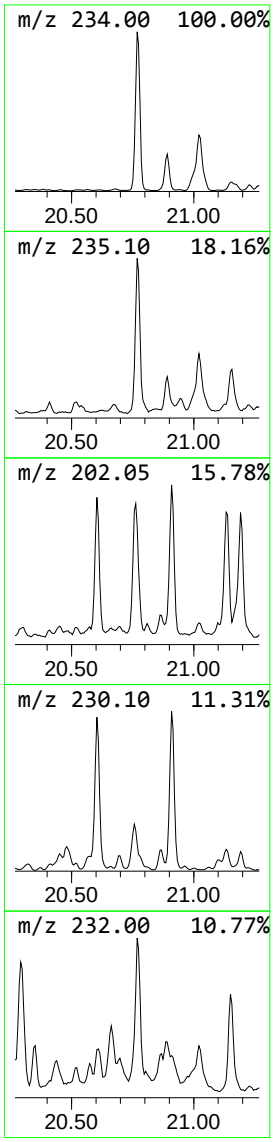
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.768	2.64 ng/ul	2272560	Chrysene-d12	21.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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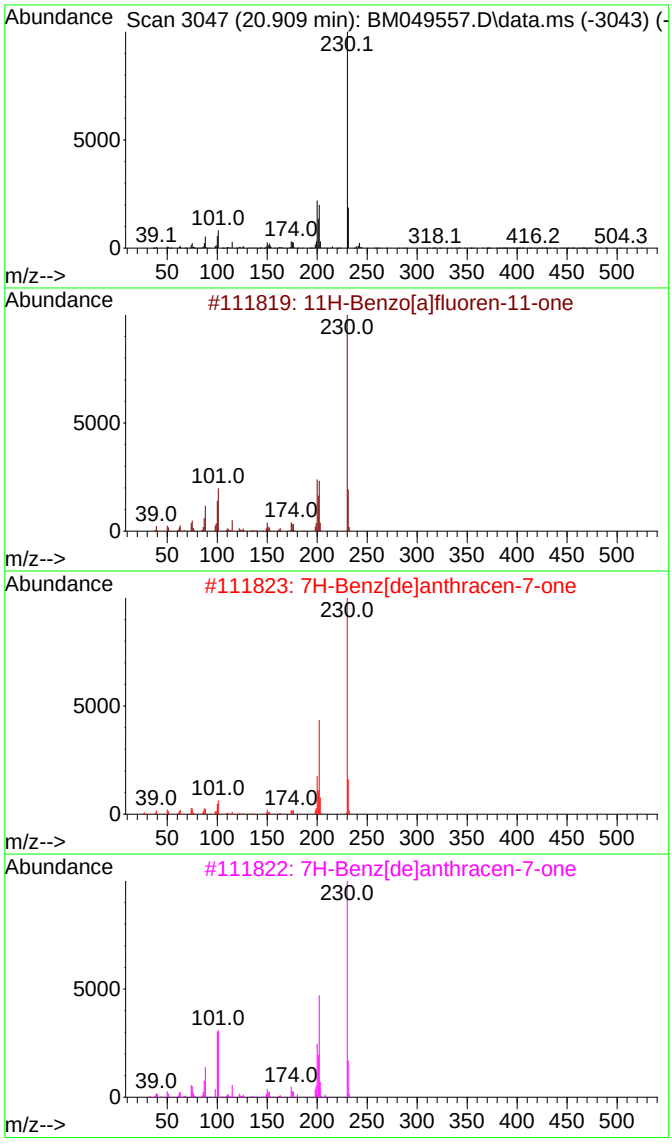
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

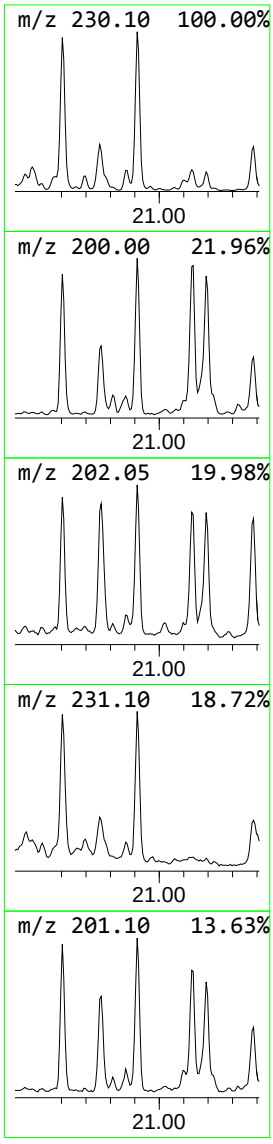
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 7H-Benz[de]anthracen-7-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.909	2.41 ng/ul	2067150	Chrysene-d12	21.151

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	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SVOA CALIBRATION

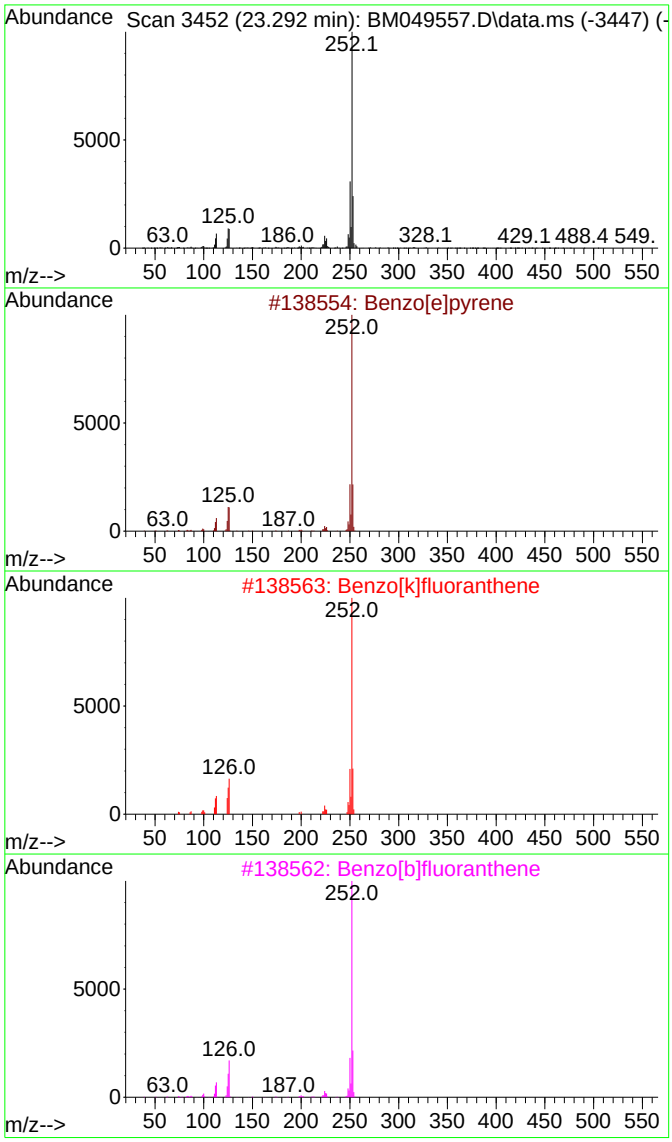
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

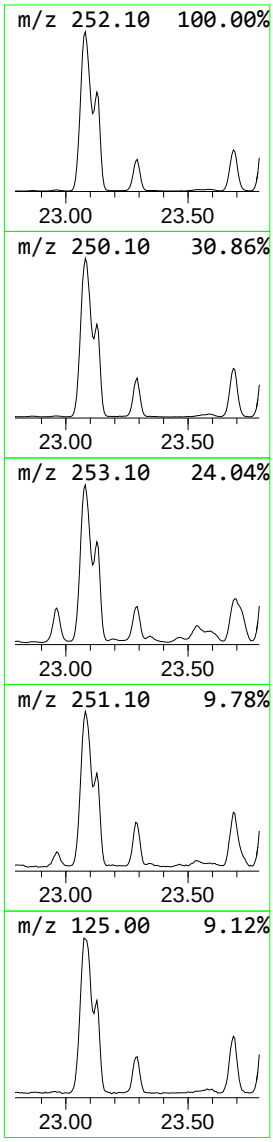
****

Peak Number 32 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.291	10.58 ng/ul	1673290	Perylene-d12	23.944

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SVOA CALIBRATION

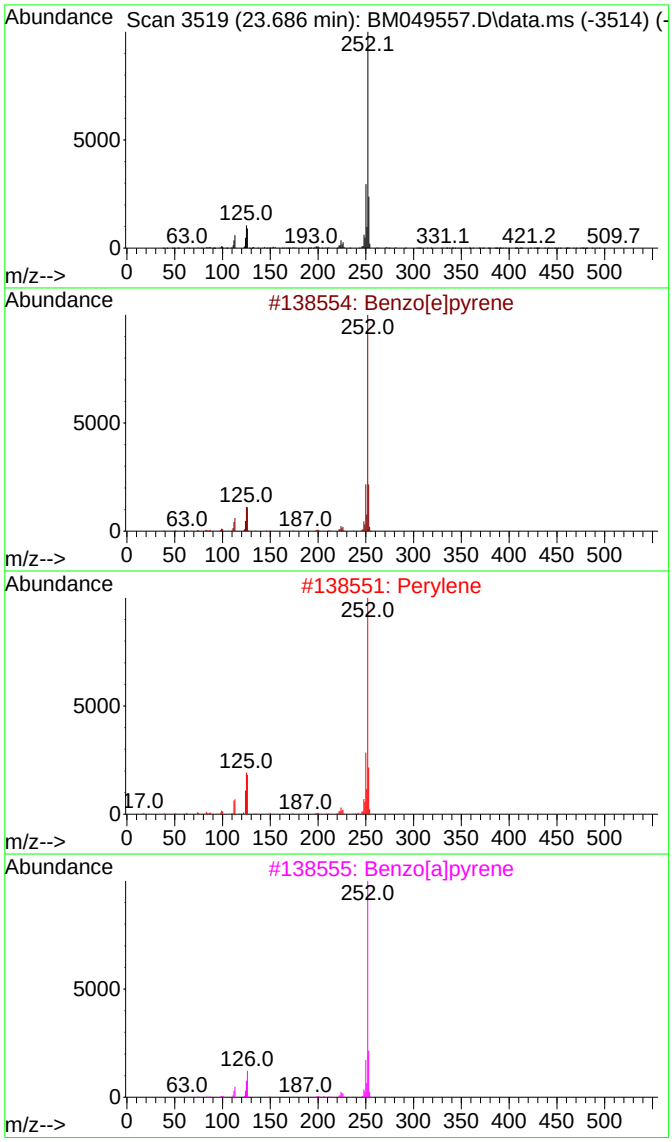
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

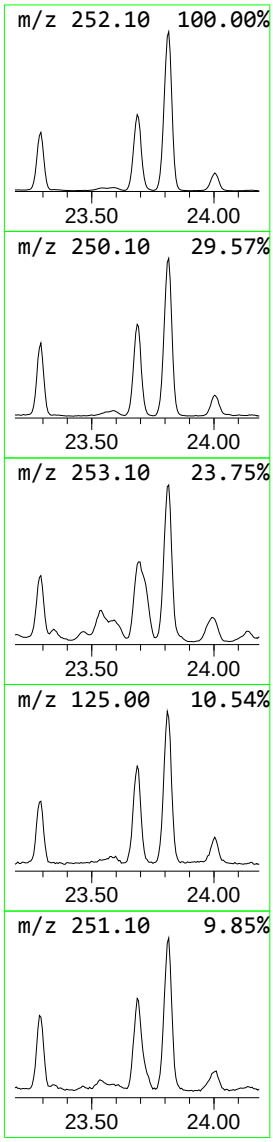
****

Peak Number 33 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.686	20.06 ng/ul	3172390	Perylene-d12	23.944

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049557.D
Acq On : 31 Jan 2025 14:38
Operator : RC/JU
Sample : Q1190-02 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.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
Dibenzofuran, 4...	15.657	2.5	ng/ul	333087	4	16.910	2724350	20.0
9H-Fluorene, 1-...	16.221	3.3	ng/ul	442489	4	16.910	2724350	20.0
9H-Fluoren-9-one	16.568	3.6	ng/ul	487028	4	16.910	2724350	20.0
Dibenzothiophene	16.727	4.9	ng/ul	665064	4	16.910	2724350	20.0
Acridine	17.104	2.2	ng/ul	295998	4	16.910	2724350	20.0
Naphthalene, 1-...	17.433	2.1	ng/ul	289597	4	16.910	2724350	20.0
2-Methyldibenzo...	17.492	3.1	ng/ul	422672	4	16.910	2724350	20.0
Dibenzothiophen...	17.633	2.1	ng/ul	282830	4	16.910	2724350	20.0
Phenanthrene, 2...	17.786	11.2	ng/ul	1531540	4	16.910	2724350	20.0
Phenanthrene, 1...	17.833	15.6	ng/ul	2125830	4	16.910	2724350	20.0
1H-Cyclopropa[l...	17.915	7.0	ng/ul	953585	4	16.910	2724350	20.0
4H-Cyclopenta[d...	17.980	25.1	ng/ul	3419710	4	16.910	2724350	20.0
1H-Indene, 1-ph...	18.021	7.6	ng/ul	1029740	4	16.910	2724350	20.0
9,10-Anthracene...	18.339	6.1	ng/ul	835577	4	16.910	2724350	20.0
Anthracene, 2-e...	18.545	3.2	ng/ul	434610	4	16.910	2724350	20.0
Phenanthrene, 3...	18.598	3.2	ng/ul	439644	4	16.910	2724350	20.0
Phenanthrene, 2...	18.633	2.9	ng/ul	392213	4	16.910	2724350	20.0
9,10-Dimethylan...	18.721	8.3	ng/ul	1124260	4	16.910	2724350	20.0
Cyclopenta(def)...	18.862	10.9	ng/ul	1485300	4	16.910	2724350	20.0
Pyrene, 1-methyl-	19.680	2.6	ng/ul	2263120	5	21.151	17186700	20.0
11H-Benzo[b]flu...	19.851	3.2	ng/ul	2716130	5	21.151	17186700	20.0
Fluoranthene, 2...	19.951	2.2	ng/ul	1885920	5	21.151	17186700	20.0
Pyrene, 2-methyl-	20.009	3.0	ng/ul	2580330	5	21.151	17186700	20.0
11H-Benzo[a]flu...	20.604	2.1	ng/ul	1848630	5	21.151	17186700	20.0
Benzo[b]naphtho...	20.768	2.6	ng/ul	2272560	5	21.151	17186700	20.0
7H-Benz[de]anth...	20.909	2.4	ng/ul	2067150	5	21.151	17186700	20.0
Benzo[e]pyrene	23.291	10.6	ng/ul	1673290	6	23.944	3163380	20.0
Perylene	23.686	20.1	ng/ul	3172390	6	23.944	3163380	20.0