LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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: BM049534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.510	85	89	101	rBV	113642	184077	0.98%	0.112%
2	4.699	284	291	298	rVB2	75958	147616	0.78%	0.090%
3	6.728	631	636	652	rVV2	358372	714226	3.80%	0.435%
4	6.863	652	659	669	rVB	291872	463726	2.46%	0.283%
5	7.057	686	692	702	rVB	384750	601464	3.20%	0.367%
6	7.510	762	769	779	rVB	777454	1200898	6.38%	0.732%
7	8.240	887	893	901	rBV	387405	639517	3.40%	0.390%
8	8.328	901	908	919	rVB	347468	596353	3.17%	0.363%
9	8.657	957	964	975	rBV	320254	537905	2.86%	0.328%
10	9.369	1078	1085	1092	rBV	263560	451448	2.40%	0.275%
11	9.586	1114	1122	1131	rBV2	75363	157489	0.84%	0.096%
12	9.922	1173	1179	1190	rBV	417141	722635	3.84%	0.440%
13	10.269	1230	1238	1244	rBV	1004731	1652459	8.78%	1.007%
14	10.322	1244	1247	1255	rVB	75364	119352	0.63%	0.073%
15	10.428	1260	1265	1275	rBV2	77174	170520	0.91%	0.104%
16	13.474	1777	1783	1787	rBV	66512	122019	0.65%	0.074%
17	13.574	1795	1800	1813	rVV	787342	1150436	6.11%	0.701%
18	13.839	1837	1845	1849	rBV	769307	1284022	6.82%	0.782%
19	14.151	1890	1898	1905	rBV	1532249	2280913	12.12%	1.390%
20	14.216	1905	1909	1918	rVB	199716	299009	1.59%	0.182%
21	14.433	1941	1946	1960	rVV	234507	502784	2.67%	0.306%
22	14.557	1961	1967	1975	rVV2	164964	304994	1.62%	0.186%
23	14.780	1999	2005	2011	rBV4	52852	127469	0.68%	0.078%
24	15.151	2063	2068	2074	rVV	947751	1375681	7.31%	0.838%
25	15.210	2074	2078	2084	rVB	266478	356897	1.90%	0.217%
26	15.292	2087	2092	2097	rBV	195405	272448	1.45%	0.166%
27	15.527	2124	2132	2142	rVV2	294465	571577	3.04%	0.348%
28	15.657	2150	2154	2162	rVV	99548	208222	1.11%	0.127%
29	15.892	2188	2194	2204	rVB3	150258	262357	1.39%	0.160%
30	16.221	2240	2250	2255	rBV3	99682	258137	1.37%	0.157%
31	16.568	2304	2309	2317	rVB2	683547	1041608	5.54%	0.635%
32	16.645	2318	2322	2328	rBV2	78550	141669	0.75%	0.086%
33	16.727	2332	2336	2345	rVB	304029	464757	2.47%	0.283%
34	16.910	2361	2367	2370	rBV	1951866	2770721	14.73%	1.688%
35	16.951	2370	2374	2379	rVV	7007573	9472671	50.34%	5.772%
36	17.010	2379	2384	2387	rVV	1146459	1704186	9.06%	1.038%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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	17.039	2387	2389	2395	rVV	722844	905129	4.81%	0.552%
38	17.104	2396	2400	2406	rVB3	122252	194089	1.03%	0.118%
39	17.227	2417	2421	2425	rVB3	84296	120690	0.64%	0.074%
40	17.292	2427	2432	2433	rBV	146524	182834	0.97%	0.111%
41	17.321	2433	2437	2441	rVB	614590	832420	4.42%	0.507%
42	17.433	2452	2456	2461	rVB3	207214	263688	1.40%	0.161%
43	17.492	2462	2466	2476	rVB3	234489	361148	1.92%	0.220%
44	17.633	2487	2490	2496	rVB	85447	136872	0.73%	0.083%
45	17.709	2499	2503	2506	rVB2	92984	116227	0.62%	0.071%
46	17.786	2511	2516	2520	rBV	948018	1276201	6.78%	0.778%
47	17.833	2520	2524	2533	rVV	1856466	2573004	13.67%	1.568%
48	17.915	2533	2538	2542	rVV2	201068	321948	1.71%	0.196%
49	17.974	2543	2548	2552	rVV2	1235307	2052674	10.91%	1.251%
50	18.015	2552	2555	2561	rVB	684749	859822	4.57%	0.524%
51	18.098	2565	2569	2573	rBV2	99068	198513	1.06%	0.121%
52	18.139	2573	2576	2580	rVV3	129323	215649	1.15%	0.131%
53	18.186	2581	2584	2588	rVB3	101026	151560	0.81%	0.092%
54	18.292	2598	2602	2605	rBV	690707	877403	4.66%	0.535%
55	18.333	2605	2609	2615	rVB	1683360	2243359	11.92%	1.367%
56	18.398	2616	2620	2622	rBV3	103824	145854	0.78%	0.089%
57	18.545	2641	2645	2649	rVV	218380	291854	1.55%	0.178%
58	18.592	2650	2653	2656	rVV	215337	258010	1.37%	0.157%
59	18.633	2656	2660	2664	rVB2	242191	302333	1.61%	0.184%
60	18.721	2670	2675	2679	rBV2	645101	1035715	5.50%	0.631%
61	18.774	2679	2684	2688	rVV3	267170	487454	2.59%	0.297%
62	18.809	2688	2690	2693	rVV	192420	200588	1.07%	0.122%
63	18.856	2693	2698	2711	rVV	908015	1636007	8.69%	0.997%
64	18.986	2713	2720	2725	rVB	14157574	18816154	100.00%	11.466%
65	19.051	2728	2731	2734	rBV	153687	192600	1.02%	0.117%
66	19.080	2734	2736	2740	rVB2	219689	242483	1.29%	0.148%
67	19.127	2741	2744	2749	rBV2	471063	626739	3.33%	0.382%
68	19.186	2750	2754	2757	rVV2	338215	509094	2.71%	0.310%
69	19.227	2758	2761	2765	rVB	242229	327696	1.74%	0.200%
70	19.315	2771	2776	2778	rBV	2916571	4106412	21.82%	2.502%
71	19.345	2778	2781	2790	rVV	9470838	13047596	69.34%	7.951%
72	19.421	2790	2794	2801	rVB2	471094	813014	4.32%	0.495%
73	19.527	2808	2812	2817	rBV	567574	723810	3.85%	0.441%
74	19.586	2818	2822	2828	rVB2	390050	614550	3.27%	0.374%
75	19.680	2832	2838	2844	rBV2	771619	1737755	9.24%	1.059%
76	19.809	2856	2860	2863	rBV4	646191	1171962	6.23%	0.714%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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	19.845	2863	2866	2871	rVB	1247385	1734036	9.22%	1.057%
78	19.951	2880	2884	2887	rBV2	624925	754660	4.01%	0.460%
79	20.003	2888	2893	2898	rVV2	1055047	1581840	8.41%	0.964%
80	20.092	2905	2908	2912	rBV3	186532	263923	1.40%	0.161%
81	20.145	2914	2917	2921	rVV	537108	612805	3.26%	0.373%
82	20.192	2921	2925	2929	rVV	568042	771076	4.10%	0.470%
83	20.598	2990	2994	3001	rVB	1625499	2166388	11.51%	1.320%
84	20.762	3017	3022	3026	rBV2	1207994	2031513	10.80%	1.238%
85	20.803	3026	3029	3033	rVV	1005273	1299113	6.90%	0.792%
86	20.845	3033	3036	3042	rVV2	892491	1942915	10.33%	1.184%
87	20.903	3042	3046	3052	rVB	1652953	2243294	11.92%	1.367%
88	21.074	3072	3075	3079	rBV2	352431	657731	3.50%	0.401%
89	21.133	3080	3085	3091	rVV3	5883138	12533179	66.61%	7.637%
90	21.186	3091	3094	3103	rVB	6028414	8438985	44.85%	5.142%
91	21.315	3114	3116	3119	rBV	246697	313977	1.67%	0.191%
92	21.380	3124	3127	3134	rVB3	345891	528932	2.81%	0.322%
93	21.792	3194	3197	3202	rVB	761999	1156956	6.15%	0.705%
94	21.862	3204	3209	3215	rVB2	824142	1602206	8.52%	0.976%
95	23.068	3406	3414	3420	rBV	4378233	12419745	66.01%	7.568%
96	23.280	3446	3450	3457	rVB	502148	916645	4.87%	0.559%
97	23.680	3512	3518	3524	rBV	854900	1753258	9.32%	1.068%
98	23.797	3532	3538	3551	rVB	1883271	4523221	24.04%	2.756%
99	23.933	3554	3561	3578	rVV2	1440527	4103084	21.81%	2.500%
100	27.032	4079	4088	4105	rVB2	1201993	5253321	27.92%	3.201%

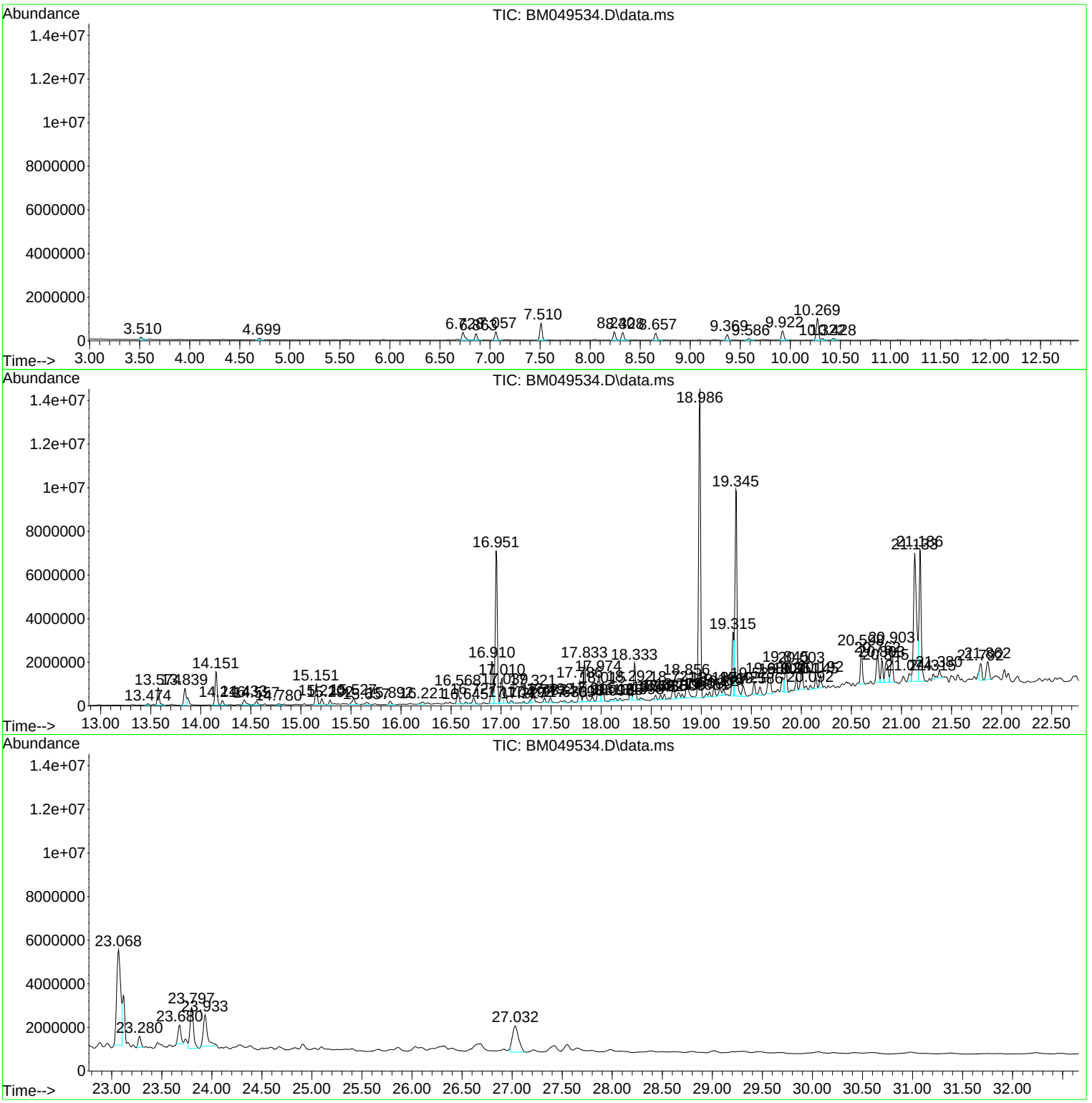
Sum of corrected areas: 164105975

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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 : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

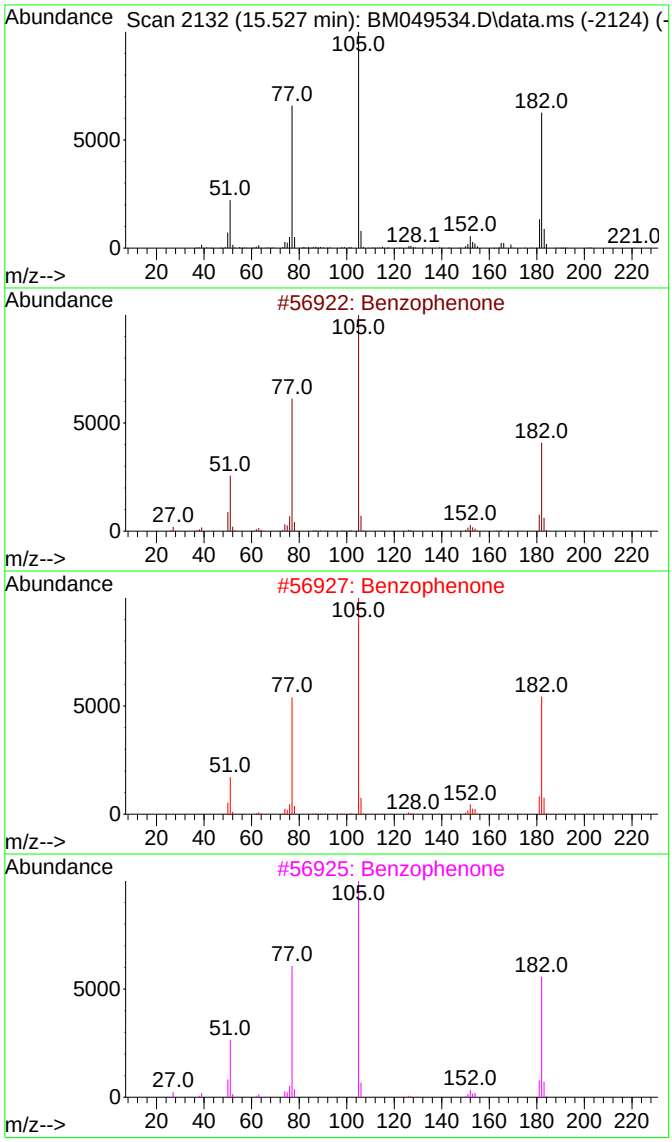
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

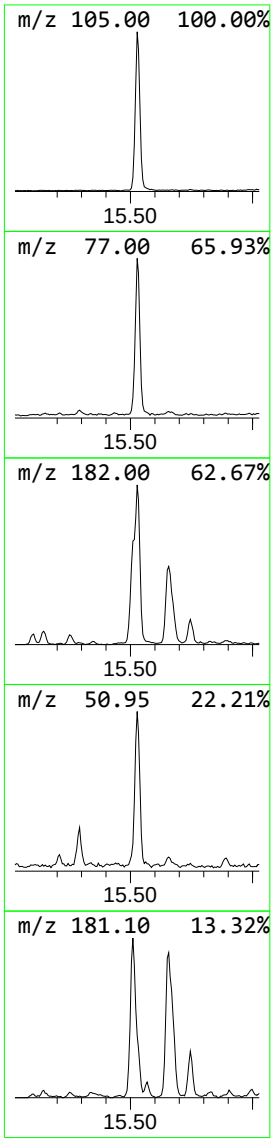
****

Peak Number 2 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.527	5.01 ng/ul	571577	Acenaphthene-d10	14.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	96
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

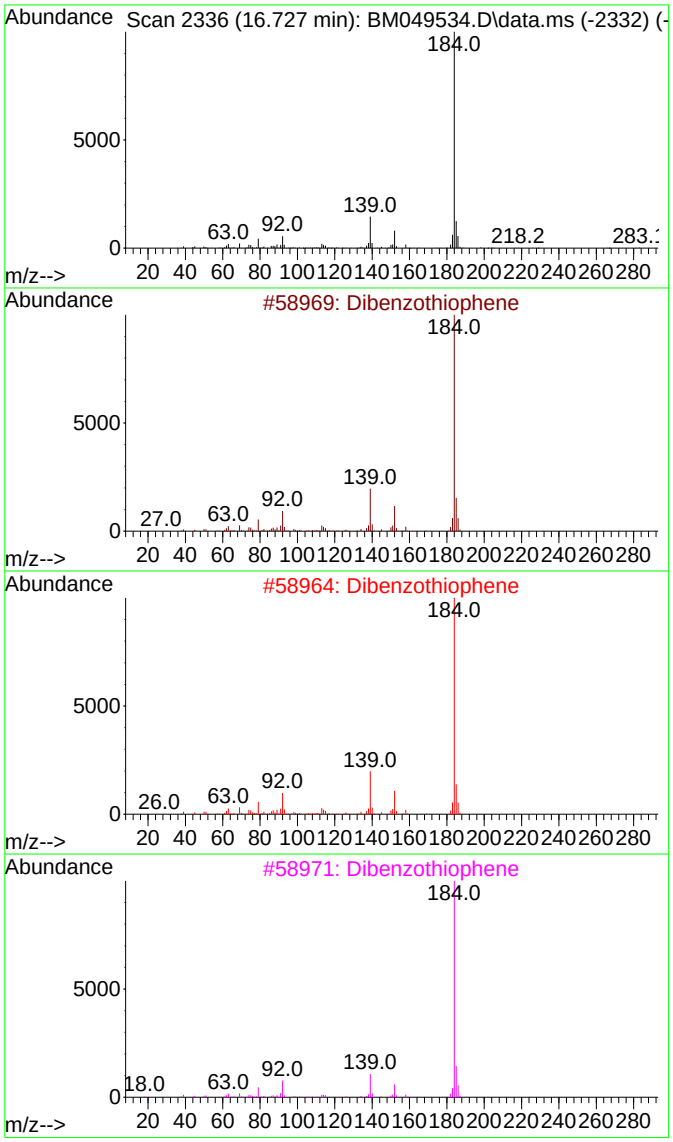
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

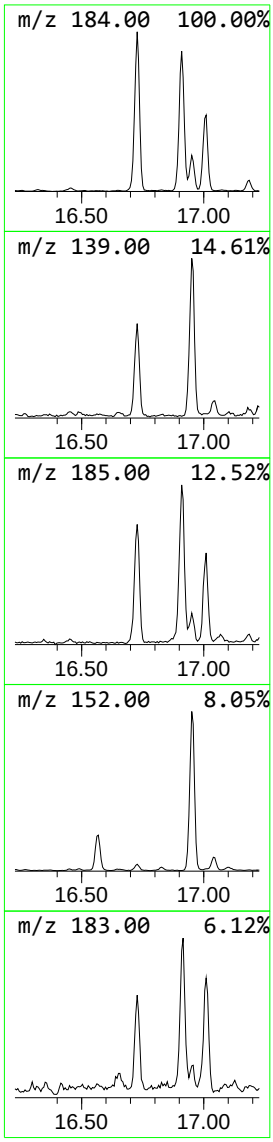
****

Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.727	3.35 ng/ul	464757	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	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

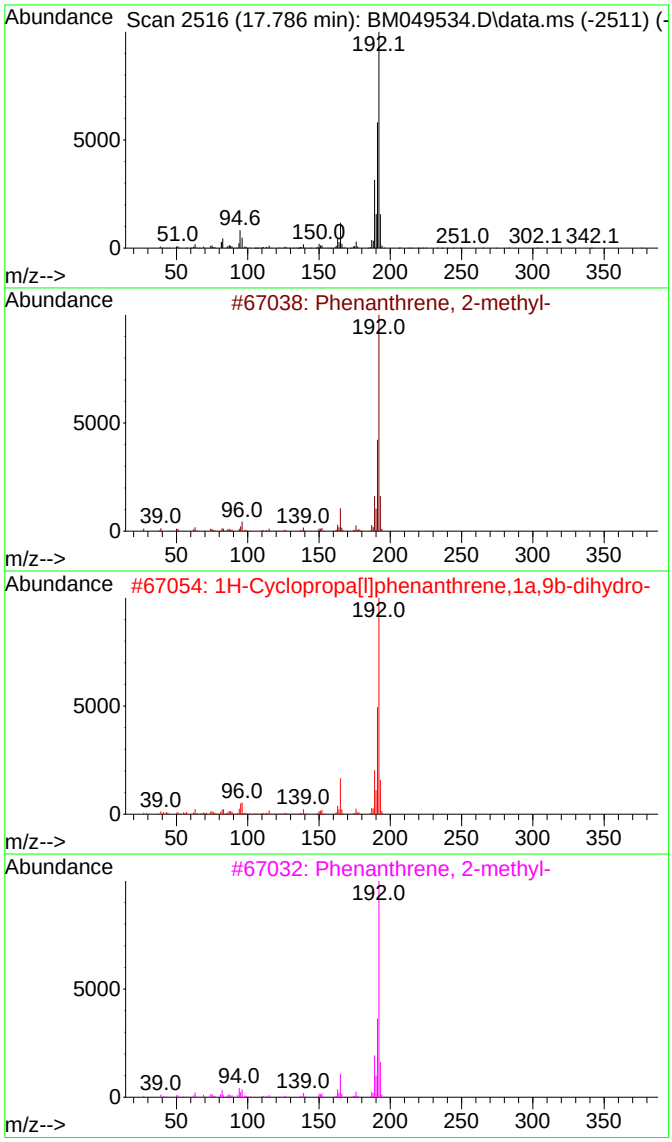
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

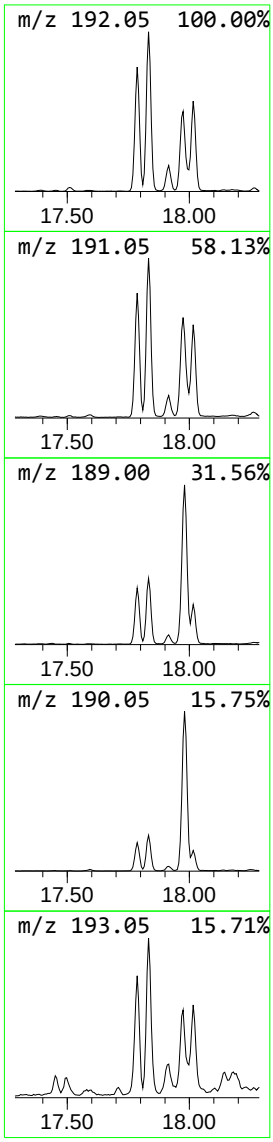
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.786	9.21 ng/ul	1276200	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

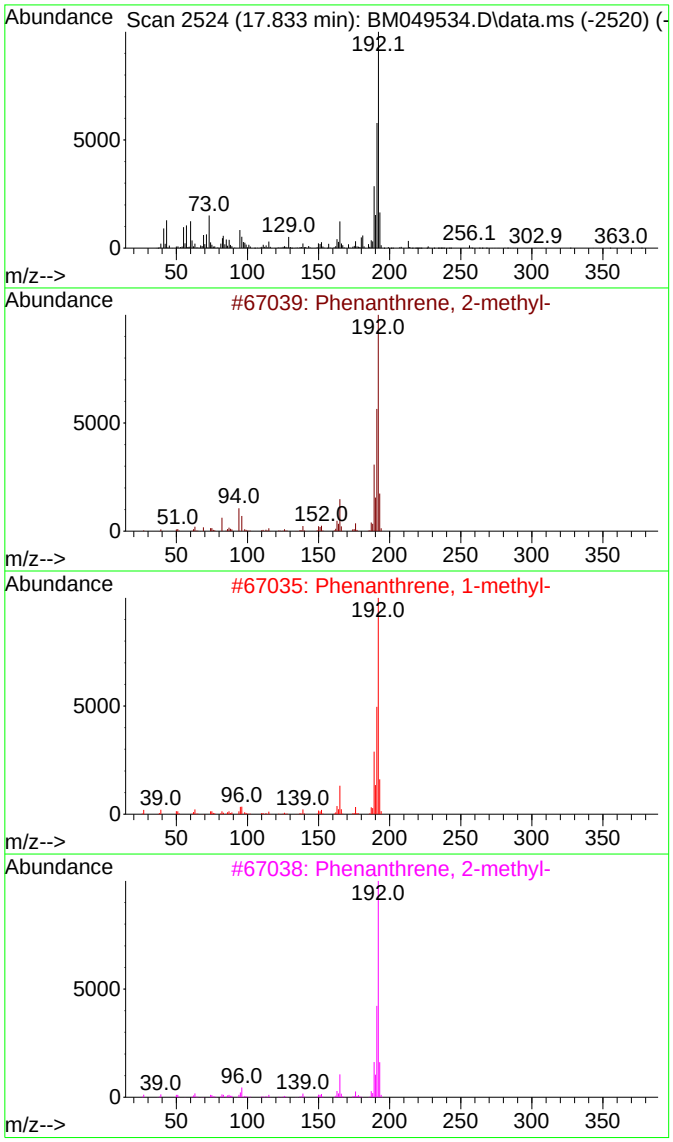
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

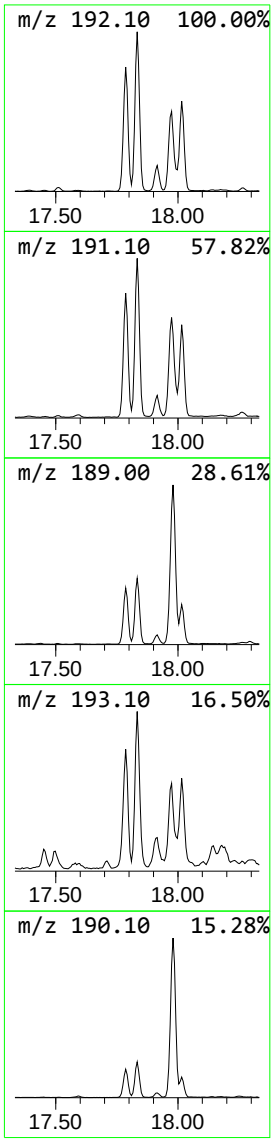
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	18.57 ng/ul	2573000	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

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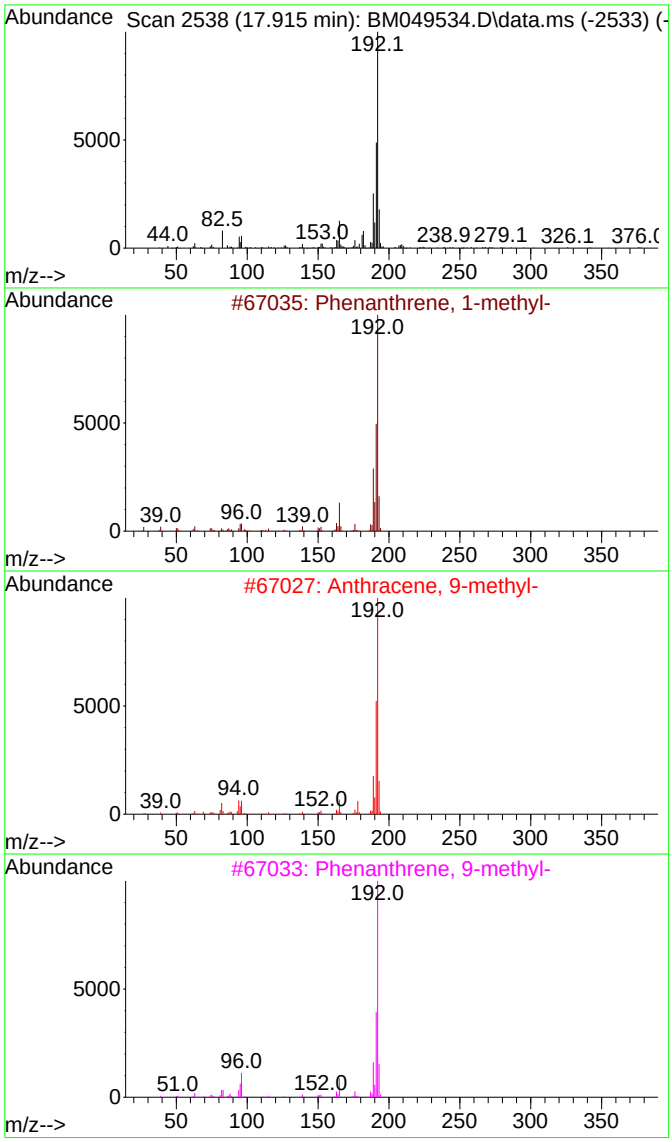
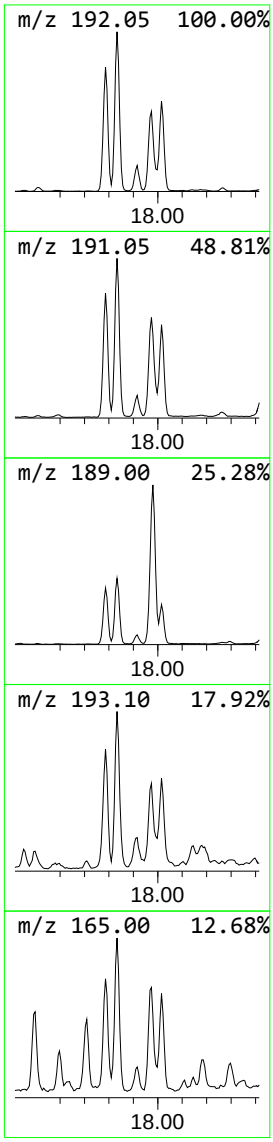
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.915	2.32 ng/ul	321948	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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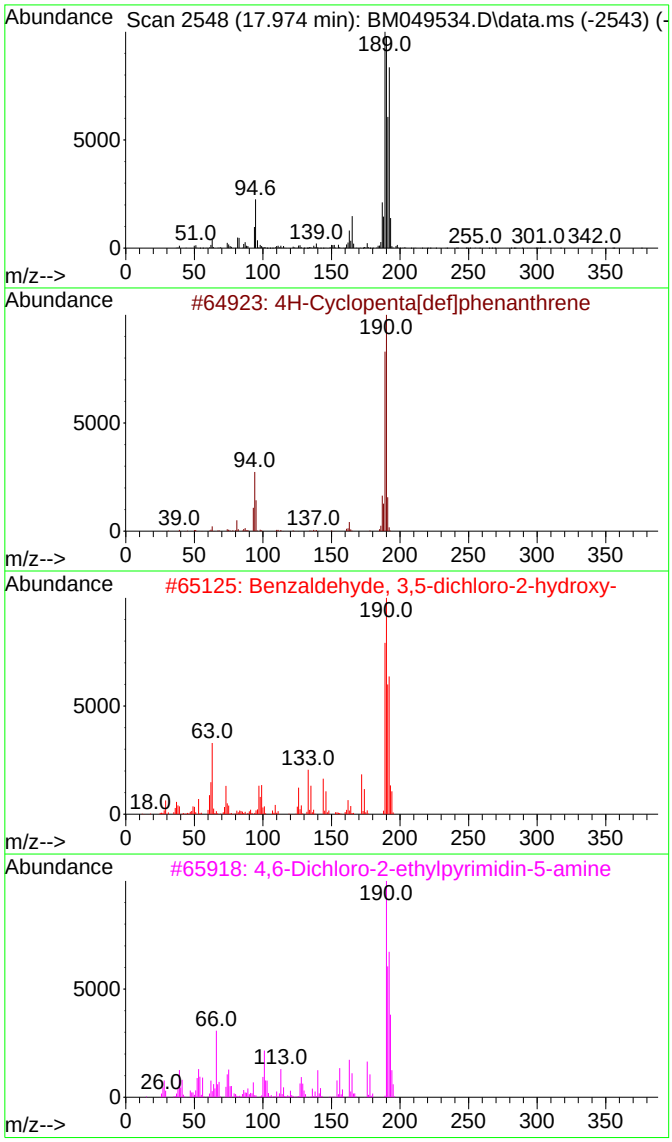
Quant Title : SVOA CALIBRATION

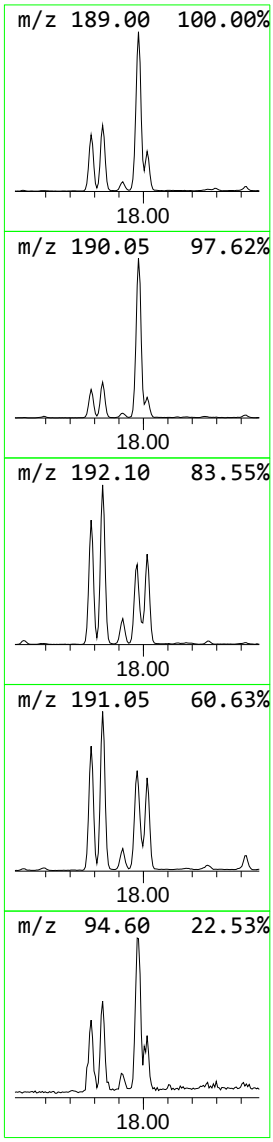
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.974	14.82 ng/ul	2052670	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

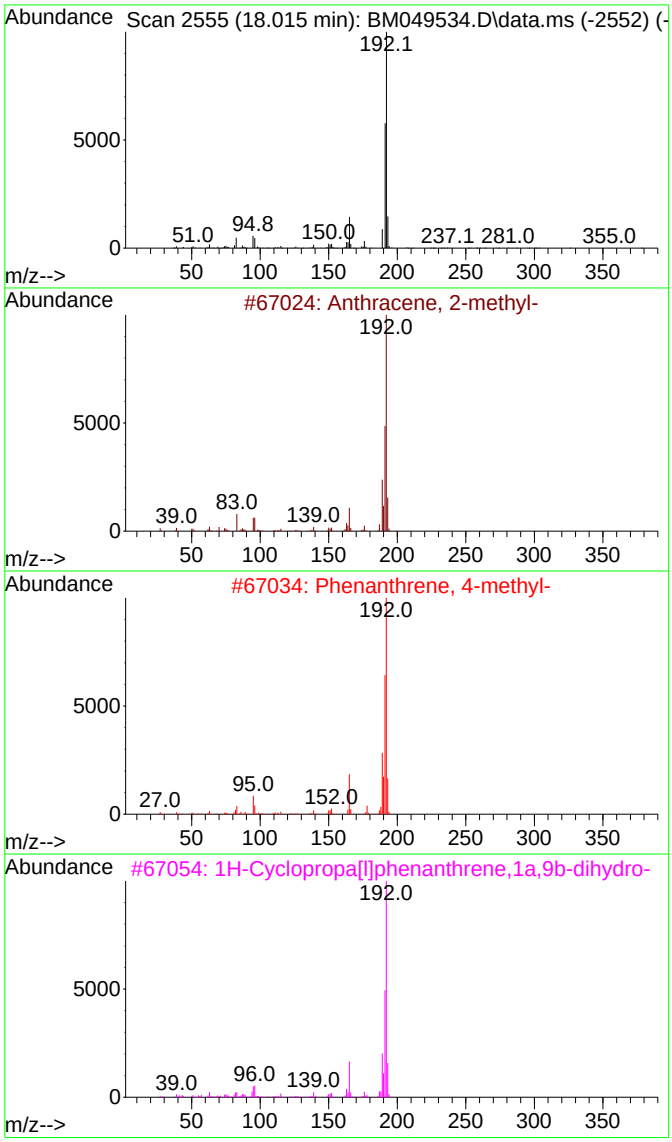
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

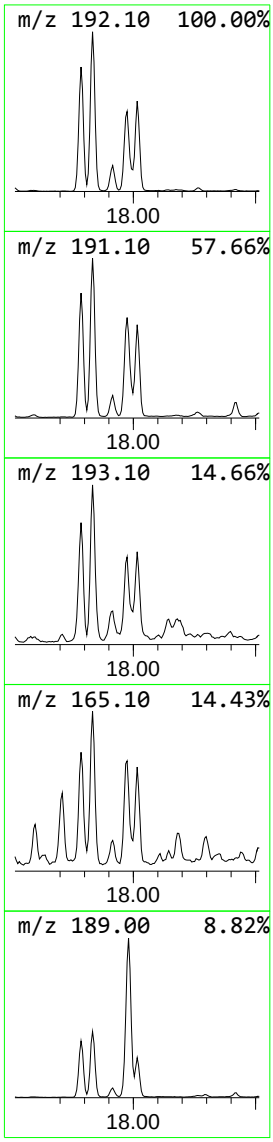
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	6.21 ng/ul	859822	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
A44Q5

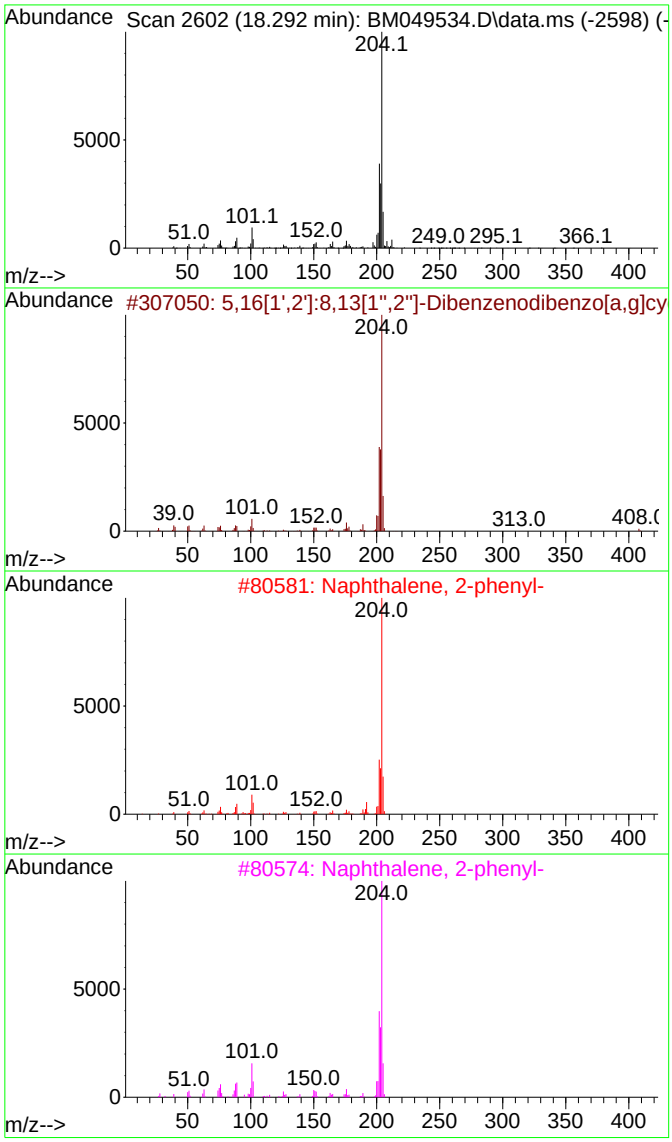
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

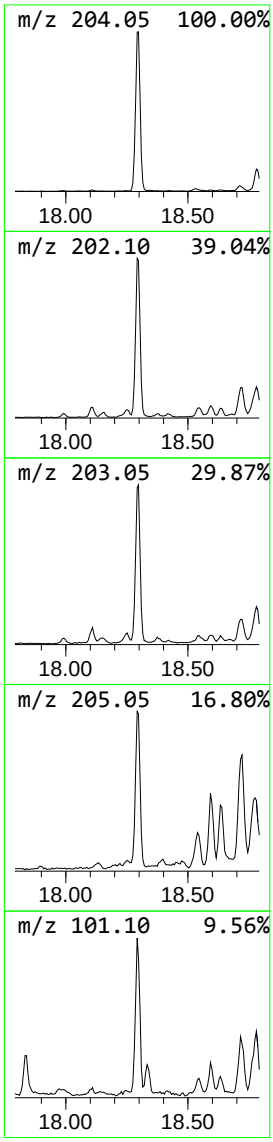
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.292	6.33 ng/ul	877403	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

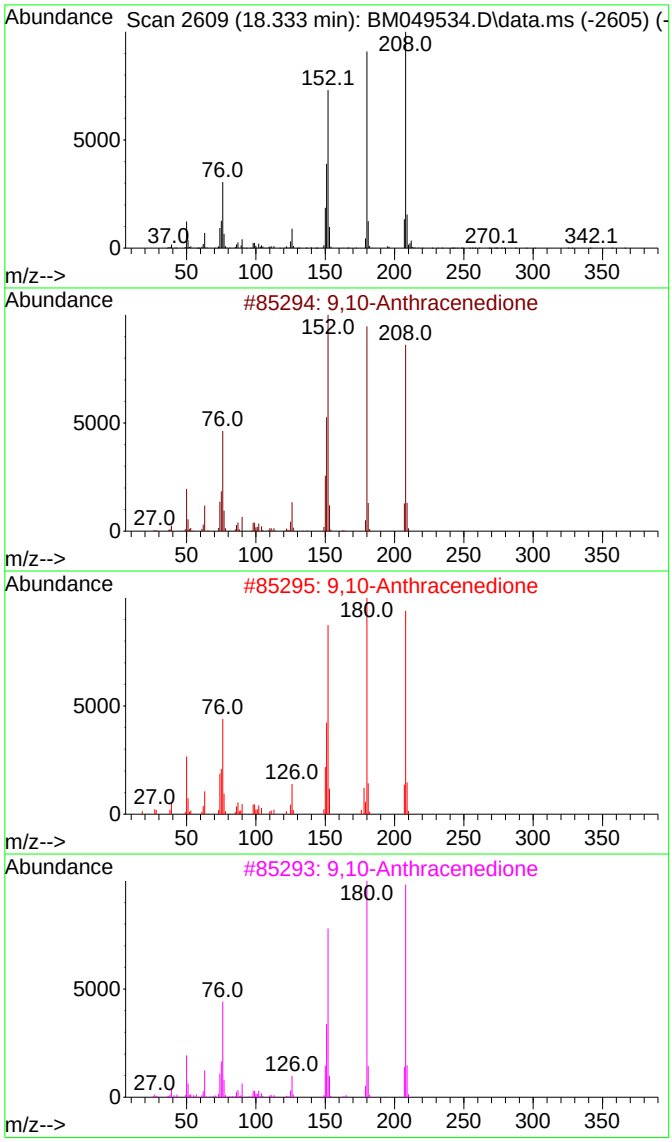
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

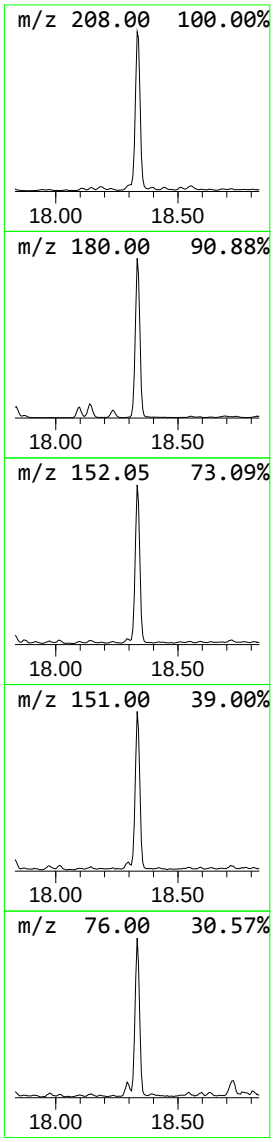
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.333	16.19 ng/ul	2243360	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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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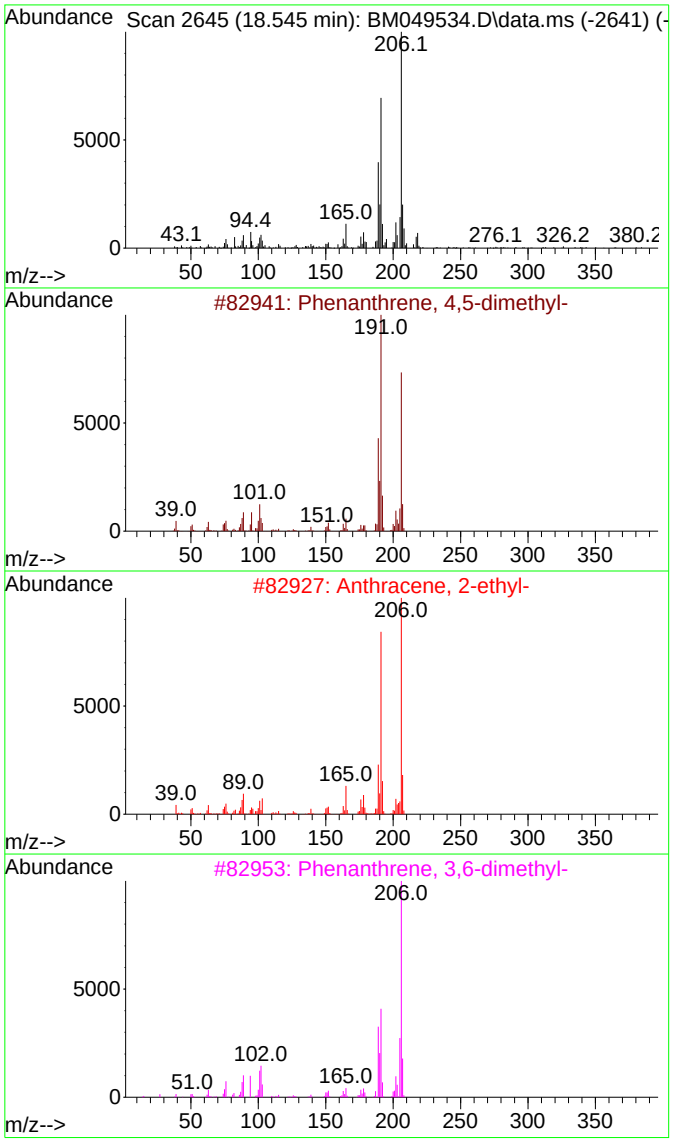
Quant Title : SVOA CALIBRATION

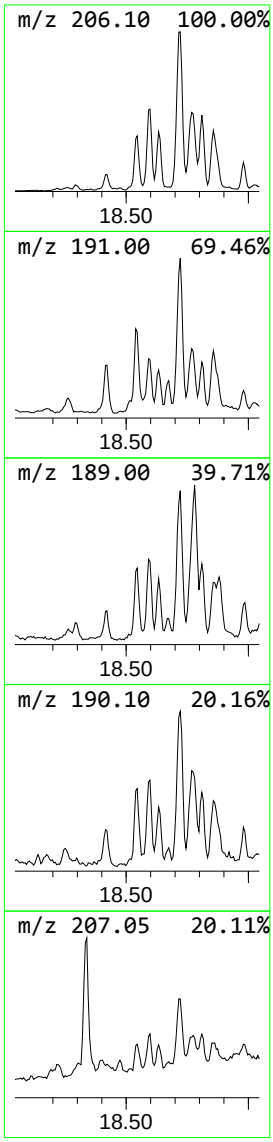
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.545	2.11 ng/ul	291854	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





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Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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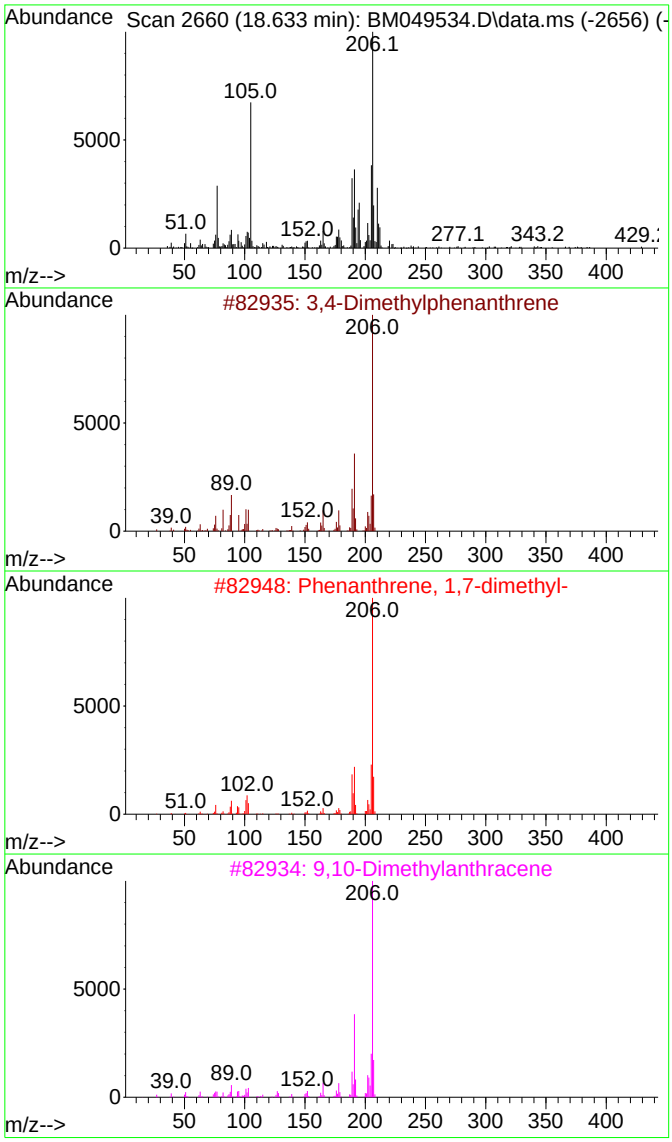
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

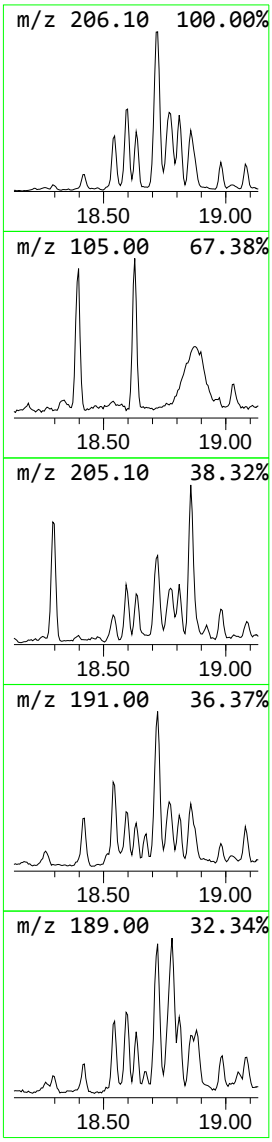
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 3,4-Dimethylphenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.633	2.18 ng/ul	302333	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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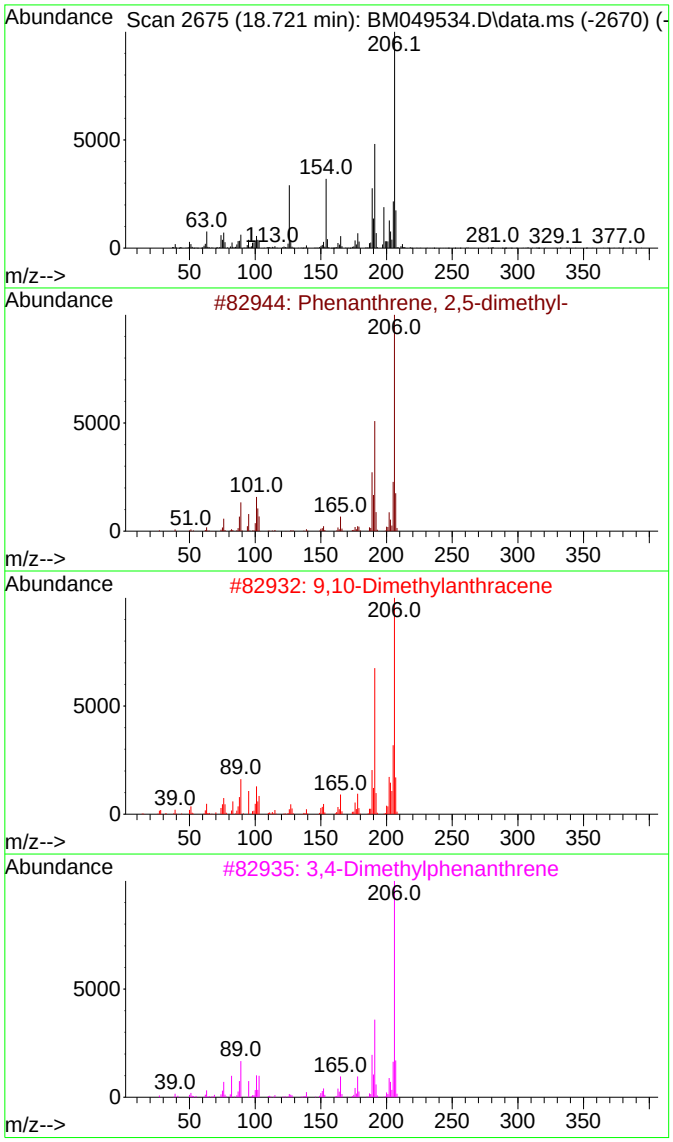
Quant Title : SVOA CALIBRATION

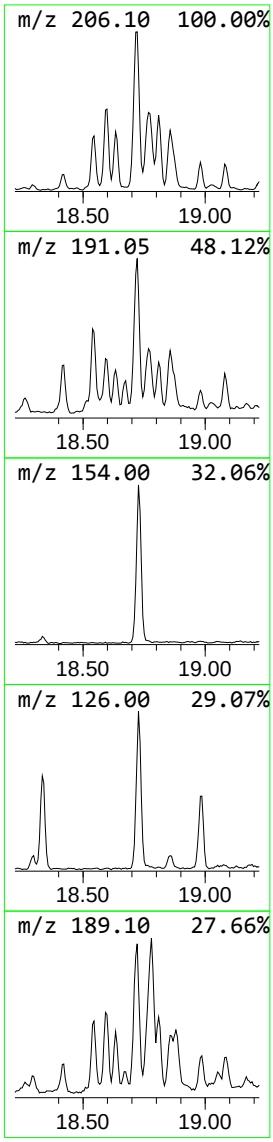
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.721	7.48 ng/ul	1035720	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	64
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	62





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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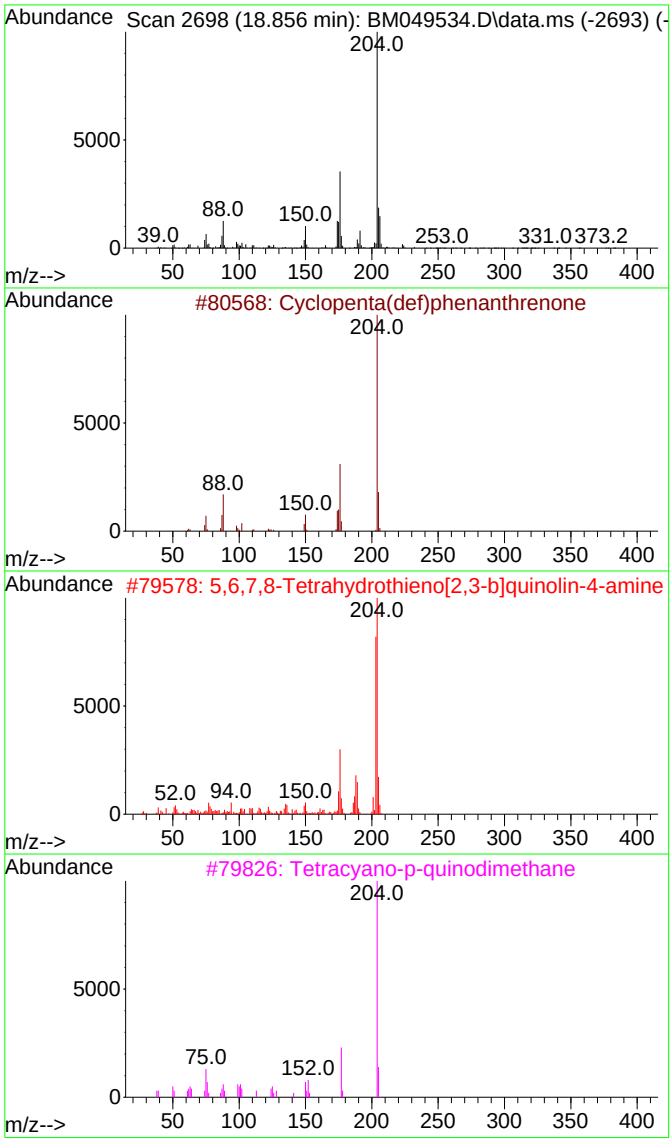
Quant Title : SVOA CALIBRATION

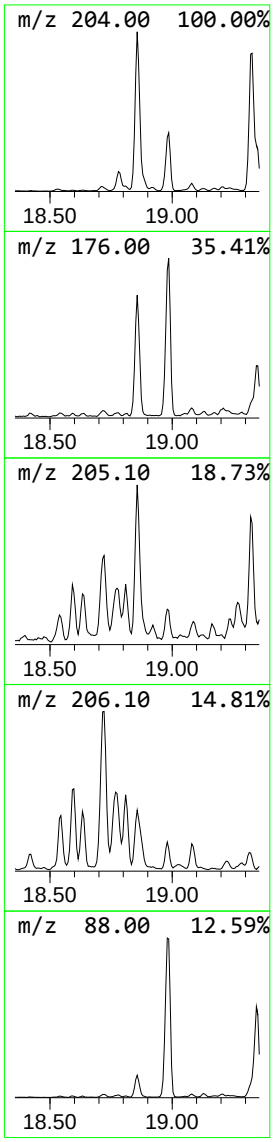
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.857	11.81 ng/ul	1636010	Phenanthrene-d10	16.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	49
5	Multifidin, 4TMS derivative	547	C23H49NO6Si4	1000480-87-0	47





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ClientSampleId :
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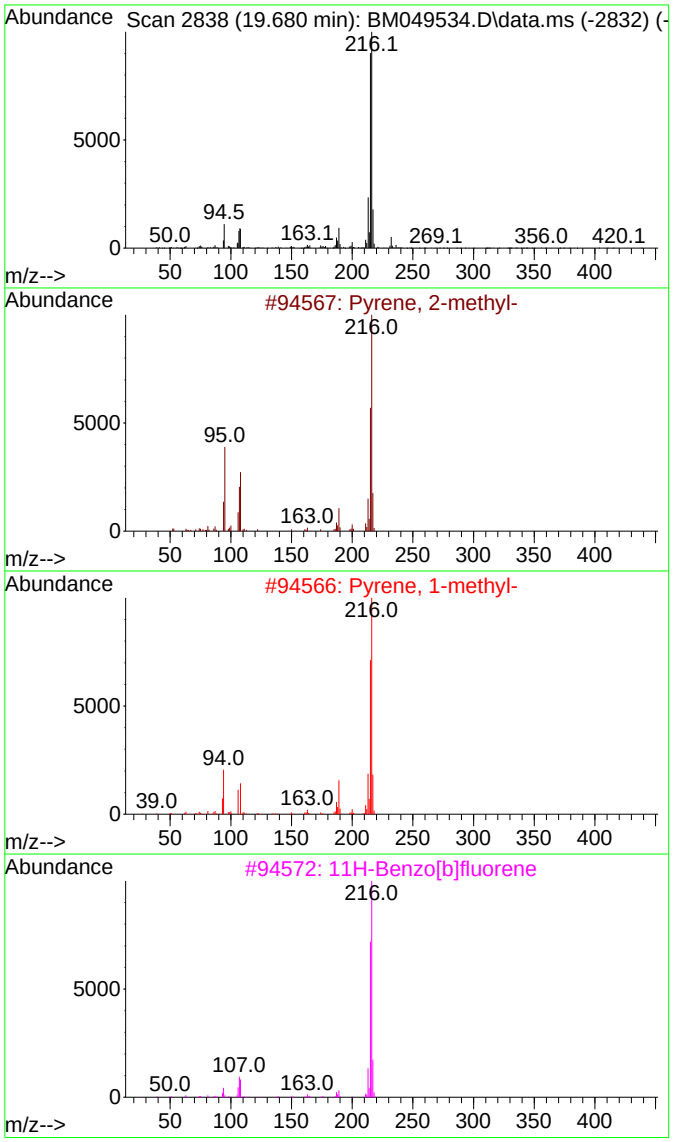
Quant Title : SVOA CALIBRATION

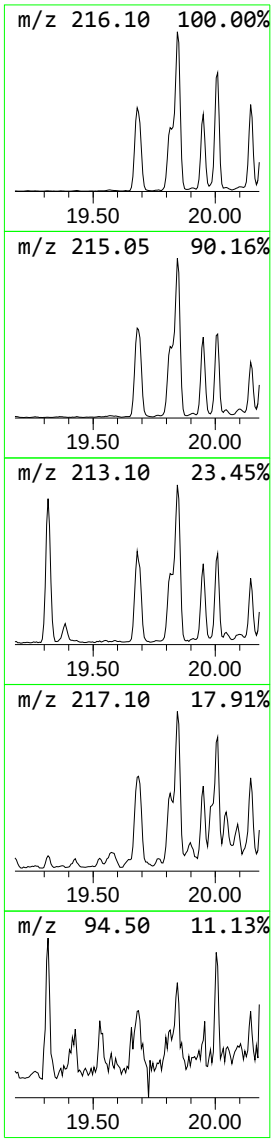
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.680	2.77 ng/ul	1737760	Chrysene-d12	21.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

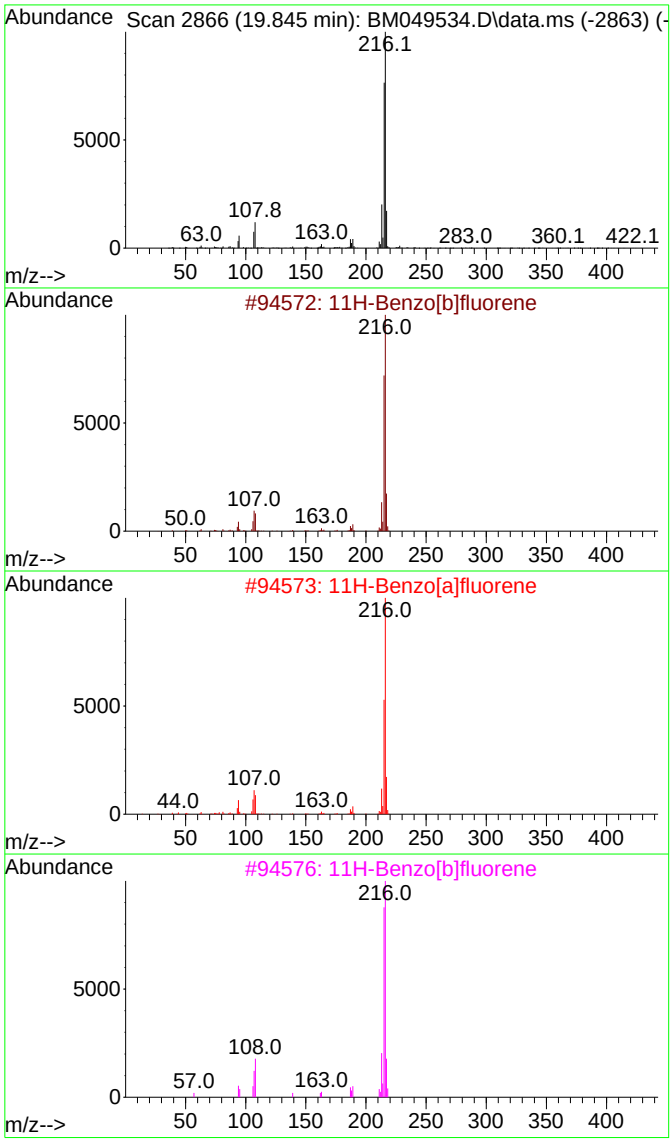
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

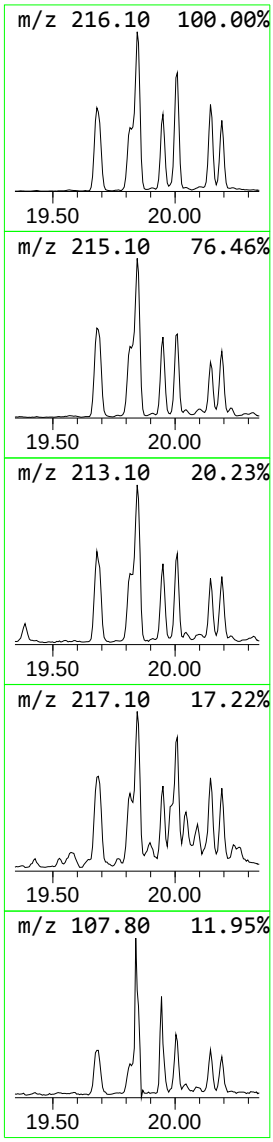
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.845	2.77 ng/ul	1734040	Chrysene-d12	21.145

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	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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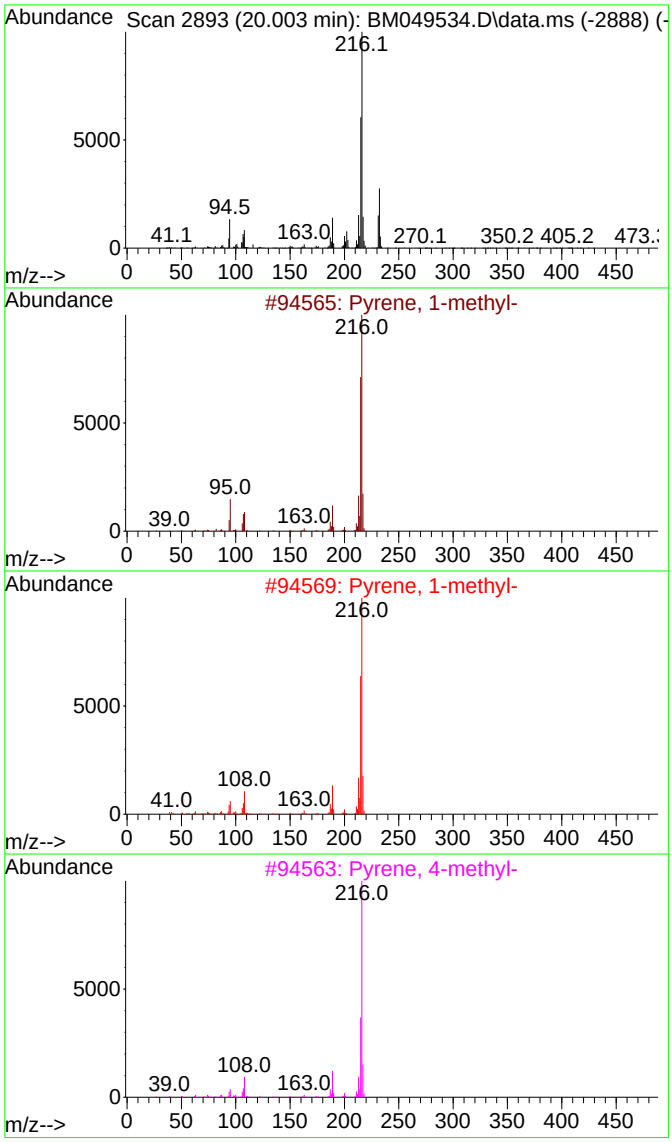
Quant Title : SVOA CALIBRATION

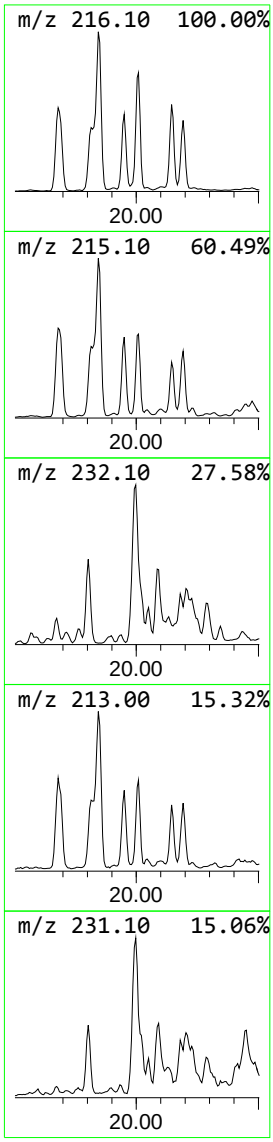
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.003	2.52 ng/ul	1581840	Chrysene-d12	21.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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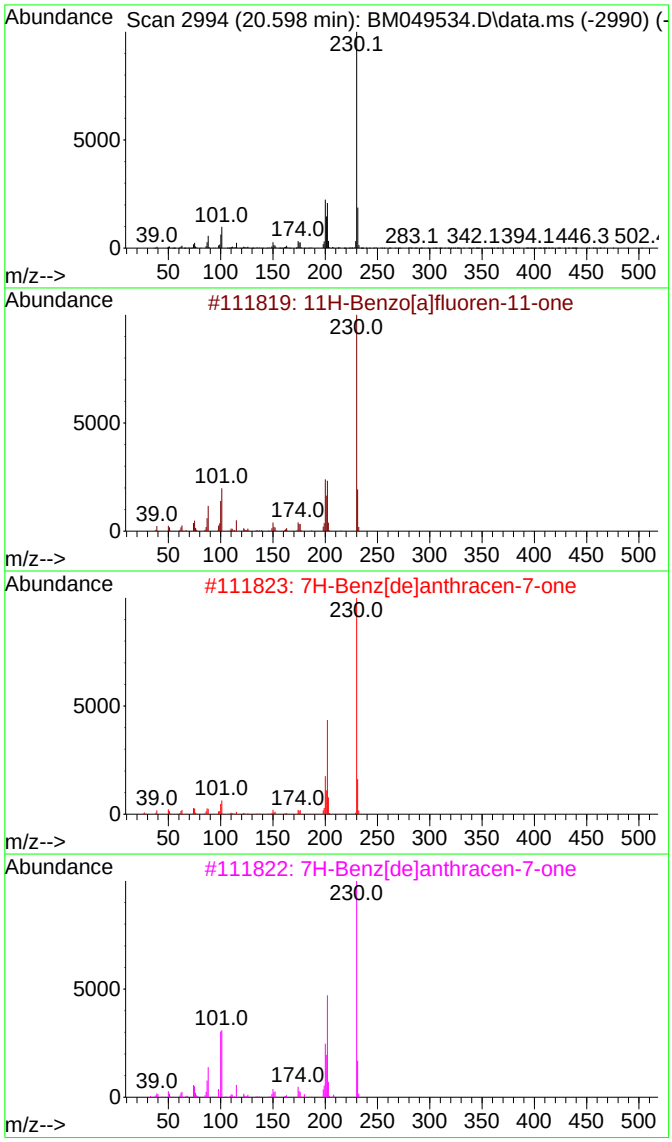
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

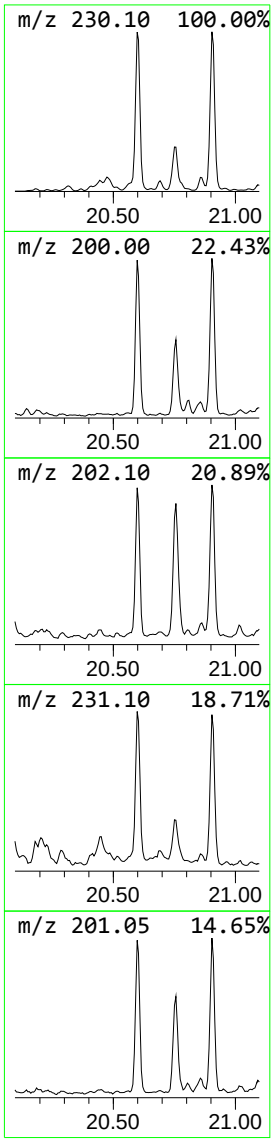
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.598	3.46 ng/ul	2166390	Chrysene-d12	21.145

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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

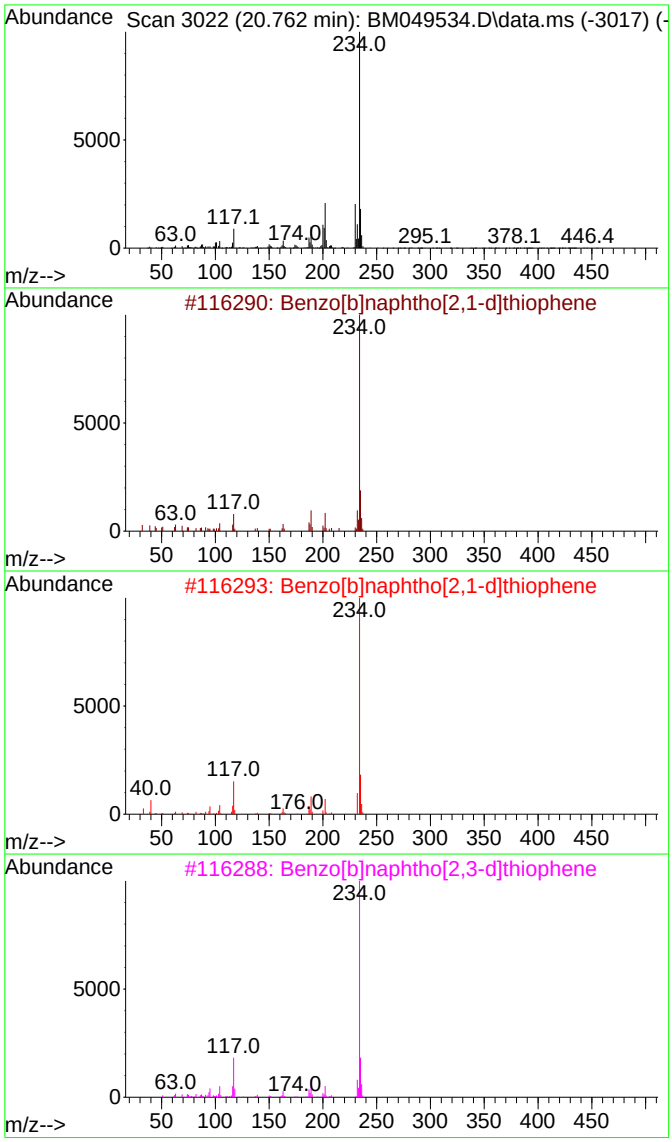
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

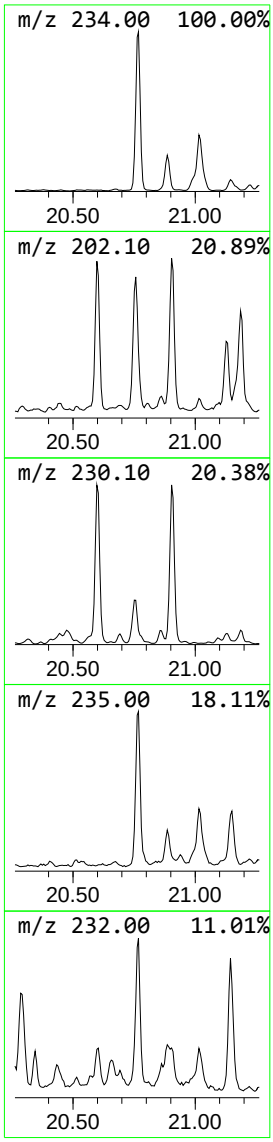
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.762	3.24 ng/ul	2031510	Chrysene-d12	21.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	58





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Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

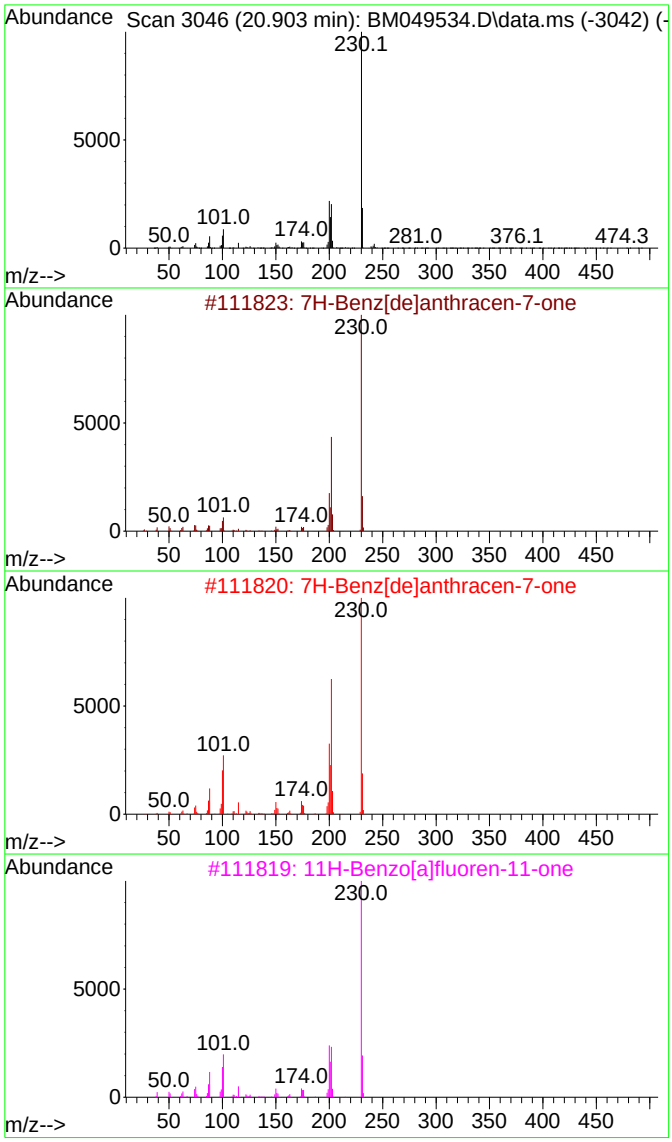
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION

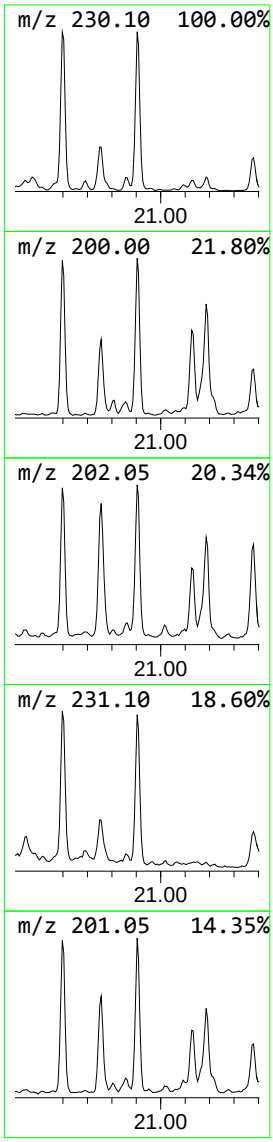
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.903	3.58 ng/ul	2243290	Chrysene-d12	21.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80





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Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

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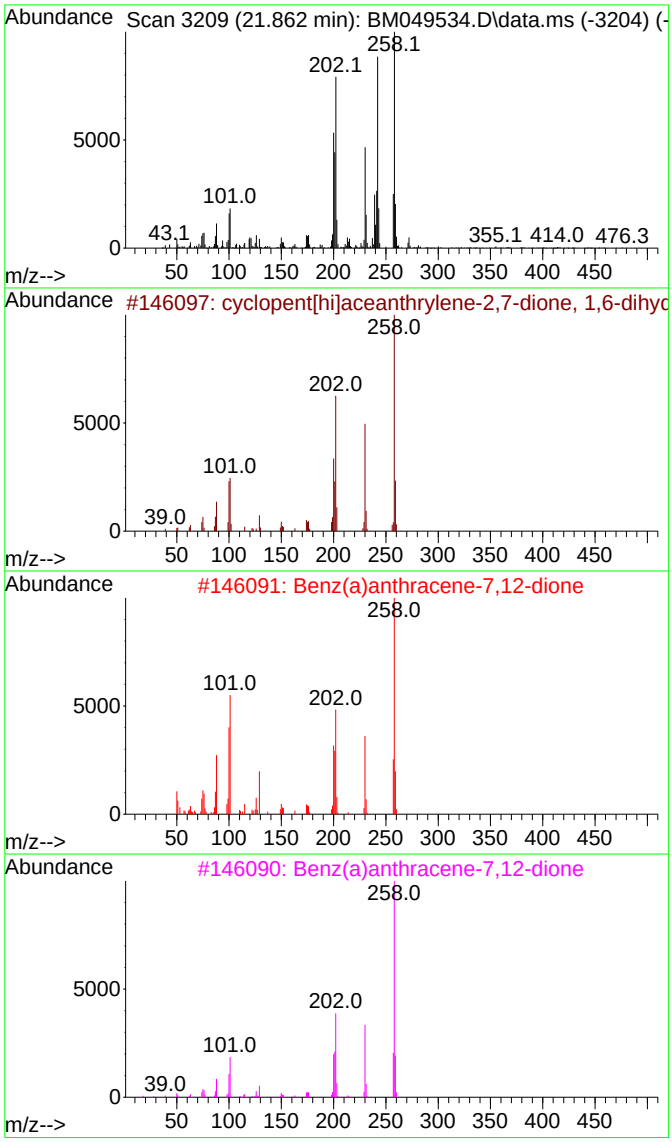
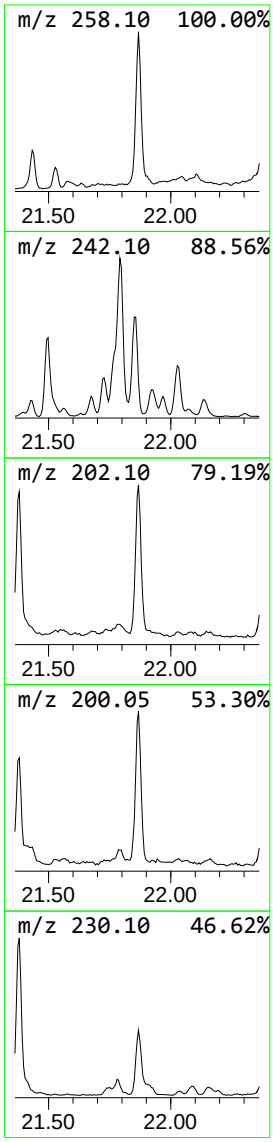
Peak Number 25 cyclopent[hi]aceanthrylene-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.862	2.56 ng/ul	1602210	Chrysene-d12	21.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cyclopent[hi]aceanthrylene-2,7-d...	258	C18H10O2	1000396-75-6	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	83





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Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

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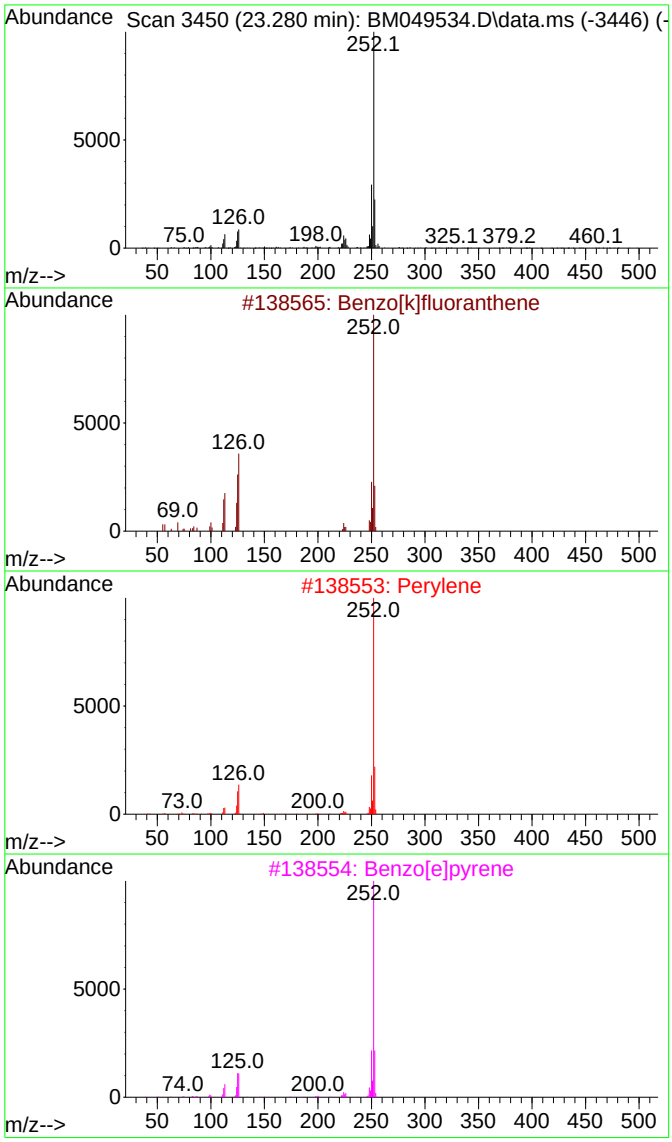
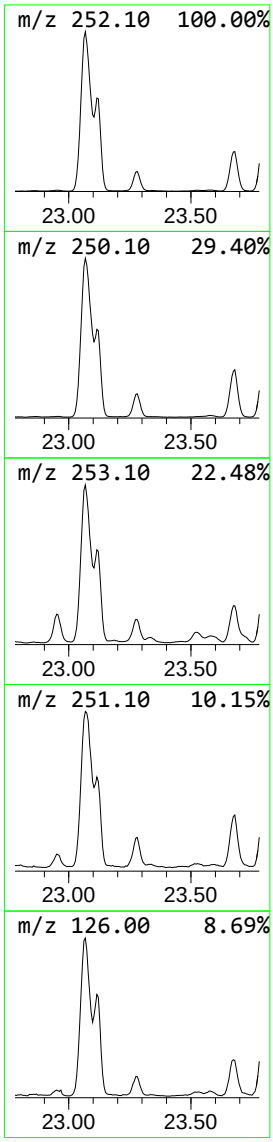
Peak Number 26 Perylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.280	4.47 ng/ul	916645	Perylene-d12	23.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





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Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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

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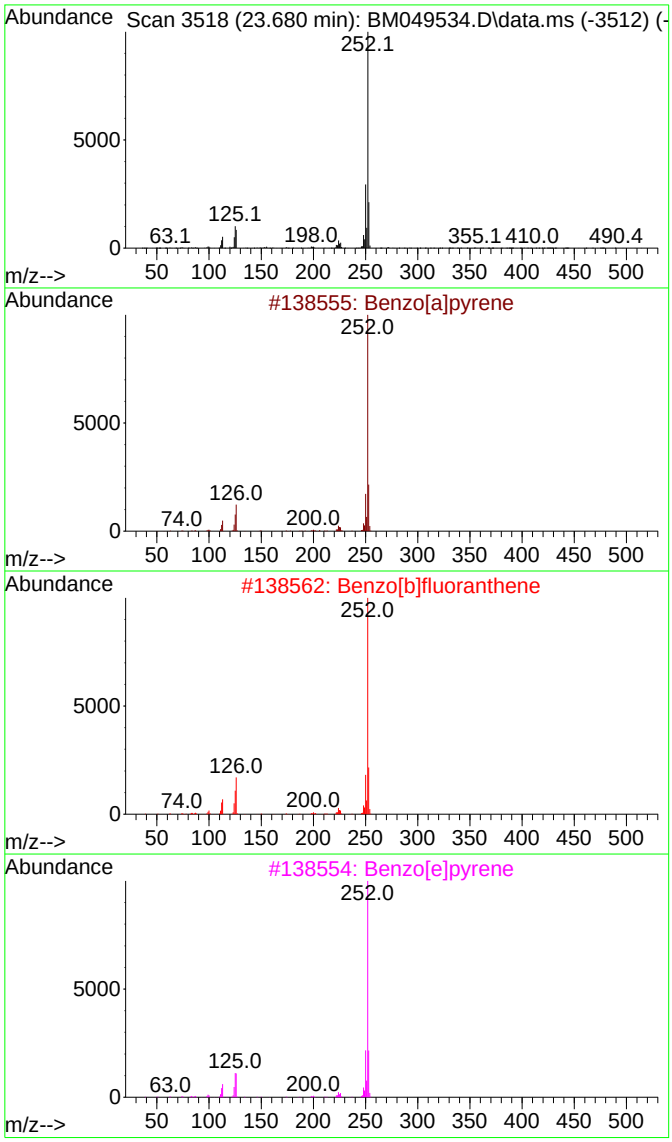
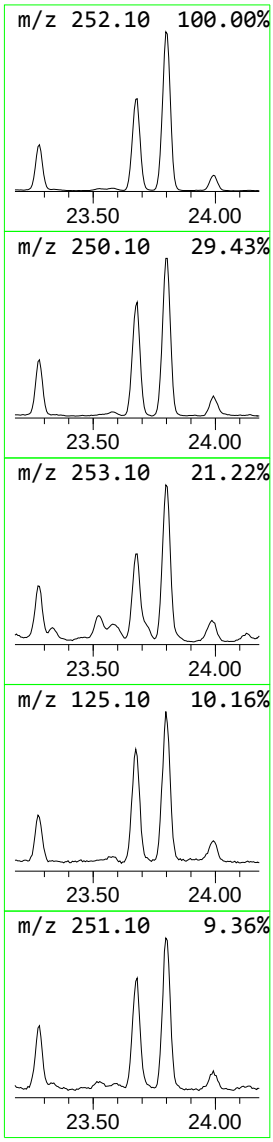
Peak Number 27 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.680	8.55 ng/ul	1753260	Perylene-d12	23.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049534.D
Acq On : 30 Jan 2025 19:50
Operator : RC/JU
Sample : Q1189-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44Q5

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
Benzophenone	15.527	5.0	ng/ul	571577	3	14.151	2280910	20.0
Dibenzothiophene	16.727	3.4	ng/ul	464757	4	16.910	2770720	20.0
Phenanthrene, 2...	17.786	9.2	ng/ul	1276200	4	16.910	2770720	20.0
Phenanthrene, 1...	17.833	18.6	ng/ul	2573000	4	16.910	2770720	20.0
Anthracene, 9-m...	17.915	2.3	ng/ul	321948	4	16.910	2770720	20.0
4H-Cyclopenta[d...	17.974	14.8	ng/ul	2052670	4	16.910	2770720	20.0
Anthracene, 2-m...	18.015	6.2	ng/ul	859822	4	16.910	2770720	20.0
5,16[1',2']:8,1...	18.292	6.3	ng/ul	877403	4	16.910	2770720	20.0
9,10-Anthracene...	18.333	16.2	ng/ul	2243360	4	16.910	2770720	20.0
Phenanthrene, 4...	18.545	2.1	ng/ul	291854	4	16.910	2770720	20.0
3,4-Dimethylphe...	18.633	2.2	ng/ul	302333	4	16.910	2770720	20.0
Phenanthrene, 2...	18.721	7.5	ng/ul	1035720	4	16.910	2770720	20.0
Cyclopenta(def)...	18.857	11.8	ng/ul	1636010	4	16.910	2770720	20.0
Pyrene, 2-methyl-	19.680	2.8	ng/ul	1737760	5	21.145	12533200	20.0
11H-Benzo[b]flu...	19.845	2.8	ng/ul	1734040	5	21.145	12533200	20.0
Pyrene, 1-methyl-	20.003	2.5	ng/ul	1581840	5	21.145	12533200	20.0
11H-Benzo[a]flu...	20.598	3.5	ng/ul	2166390	5	21.145	12533200	20.0
Benzo[b]naphtho...	20.762	3.2	ng/ul	2031510	5	21.145	12533200	20.0
7H-Benz[de]anth...	20.903	3.6	ng/ul	2243290	5	21.145	12533200	20.0
cyclopent[hi]ac...	21.862	2.6	ng/ul	1602210	5	21.145	12533200	20.0
Perylene	23.280	4.5	ng/ul	916645	6	23.933	4103080	20.0
Benzo[e]pyrene	23.680	8.6	ng/ul	1753260	6	23.933	4103080	20.0