LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBXN0MEDL

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-BM120722.M
Title : SVOA CALIBRATION

Signal : TIC: BM037938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.857	111	114	129	rBV	333586	547241	6.62%	0.602%
2	7.234	681	688	697	rVB	506646	799533	9.67%	0.880%
3	7.398	711	716	728	rVB	414812	646814	7.82%	0.712%
4	7.604	744	751	760	rBV	537243	821181	9.93%	0.903%
5	8.075	824	831	840	rBV	770017	1240936	15.00%	1.365%
6	8.786	945	952	964	rBV	610192	960022	11.61%	1.056%
7	9.251	1023	1031	1039	rBV	499057	809932	9.79%	0.891%
8	9.975	1147	1154	1165	rBV	396793	641673	7.76%	0.706%
9	10.516	1238	1246	1264	rBV	577103	962169	11.63%	1.058%
10	10.898	1304	1311	1317	rBV	990812	1620117	19.59%	1.782%
11	11.033	1327	1334	1350	rBV	512111	918946	11.11%	1.011%
12	12.763	1621	1628	1634	rVB	105155	170048	2.06%	0.187%
13	13.545	1753	1761	1766	rVV	85008	138688	1.68%	0.153%
14	13.874	1809	1817	1818	rBV	50610	81802	0.99%	0.090%
15	14.033	1835	1844	1849	rBV	165485	308315	3.73%	0.339%
16	14.116	1849	1858	1864	rVV	951773	1382299	16.71%	1.521%
17	14.263	1873	1883	1887	rBV2	89878	159905	1.93%	0.176%
18	14.404	1901	1907	1920	rBV	1154618	1883212	22.77%	2.072%
19	14.710	1948	1959	1964	rBV	1253544	1900823	22.98%	2.091%
20	14.774	1964	1970	1977	rVB	1910050	2773692	33.53%	3.051%
21	14.898	1986	1991	2003	rBV2	294872	550093	6.65%	0.605%
22	15.015	2004	2011	2015	rVV	94443	160437	1.94%	0.176%
23	15.104	2019	2026	2034	rVV	958960	1389938	16.80%	1.529%
24	15.174	2034	2038	2047	rVV2	59259	95859	1.16%	0.105%
25	15.321	2057	2063	2067	rBV3	48931	86563	1.05%	0.095%
26	15.492	2085	2092	2094	rBV4	37538	68141	0.82%	0.075%
27	15.527	2094	2098	2104	rVB2	75653	111099	1.34%	0.122%
28	15.698	2118	2127	2131	rBV	1379305	1985989	24.01%	2.185%
29	15.751	2131	2136	2142	rVV2	1813121	2515870	30.42%	2.768%
30	15.815	2142	2147	2150	rVV	264199	359319	4.34%	0.395%
31	15.874	2154	2157	2160	rVV	100356	117130	1.42%	0.129%
32	15.910	2160	2163	2168	rVB2	128323	173900	2.10%	0.191%
33	15.998	2174	2178	2181	rBV	69187	88157	1.07%	0.097%
34	16.039	2181	2185	2191	rVB	223542	317798	3.84%	0.350%
35	16.186	2206	2210	2218	rVV	222194	448490	5.42%	0.493%
36	16.280	2218	2226	2231	rVB2	51615	129063	1.56%	0.142%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

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-BM120722.M
Title : SVOA CALIBRATION

37	16.392	2240	2245	2248	rBV3	165313	254246	3.07%	0.280%
38	16.421	2248	2250	2257	rVB3	129791	172690	2.09%	0.190%
39	16.751	2295	2306	2310	rBV2	176158	403315	4.88%	0.444%
40	16.798	2310	2314	2320	rVV2	82646	129340	1.56%	0.142%
41	16.898	2327	2331	2336	rVB2	94010	135522	1.64%	0.149%
42	16.974	2336	2344	2347	rBV3	82193	171570	2.07%	0.189%
43	17.015	2347	2351	2355	rVB3	61283	80587	0.97%	0.089%
44	17.098	2362	2365	2372	rVB4	60821	95095	1.15%	0.105%
45	17.180	2374	2379	2385	rVV4	166149	316107	3.82%	0.348%
46	17.233	2385	2388	2390	rVV4	72306	105003	1.27%	0.116%
47	17.268	2390	2394	2402	rVB	350784	501827	6.07%	0.552%
48	17.451	2419	2425	2428	rBV	1326079	2014797	24.36%	2.216%
49	17.492	2428	2432	2437	rVV	5310369	7250856	87.66%	7.977%
50	17.545	2437	2441	2444	rVV	1394130	2098084	25.37%	2.308%
51	17.580	2444	2447	2453	rVV	3404239	4718063	57.04%	5.190%
52	17.639	2454	2457	2462	rVB	105742	182011	2.20%	0.200%
53	17.721	2467	2471	2480	rVB2	59290	120743	1.46%	0.133%
54	17.851	2488	2493	2502	rBV	802741	1169562	14.14%	1.287%
55	17.921	2502	2505	2509	rVV	118434	145670	1.76%	0.160%
56	17.962	2509	2512	2518	rVV2	100540	150771	1.82%	0.166%
57	18.027	2521	2523	2530	rVB3	59592	87628	1.06%	0.096%
58	18.280	2563	2566	2569	rBV	46036	68739	0.83%	0.076%
59	18.321	2569	2573	2577	rVV	439869	563832	6.82%	0.620%
60	18.368	2577	2581	2588	rVB	454958	633845	7.66%	0.697%
61	18.451	2589	2595	2600	rBV	232375	333387	4.03%	0.367%
62	18.521	2600	2607	2611	rBV	1338352	2045059	24.72%	2.250%
63	18.615	2619	2623	2628	rVB3	116011	159776	1.93%	0.176%
64	18.668	2628	2632	2635	rBV4	45540	69900	0.85%	0.077%
65	18.715	2636	2640	2643	rBV3	57397	76897	0.93%	0.085%
66	18.815	2653	2657	2661	rBV	184995	237920	2.88%	0.262%
67	18.862	2661	2665	2669	rVB2	149624	194737	2.35%	0.214%
68	19.062	2695	2699	2703	rVB4	69026	93104	1.13%	0.102%
69	19.239	2723	2729	2733	rBV2	168144	297602	3.60%	0.327%
70	19.298	2734	2739	2747	rVB3	127234	272386	3.29%	0.300%
71	19.398	2753	2756	2760	rVB3	77649	107096	1.29%	0.118%
72	19.498	2767	2773	2779	rBV	6330960	8271433	100.00%	9.099%
73	19.592	2785	2789	2793	rBV2	188643	231278	2.80%	0.254%
74	19.739	2808	2814	2822	rVB2	215856	448238	5.42%	0.493%
75	19.827	2823	2829	2832	rVV2	2471333	3989883	48.24%	4.389%
76	19.862	2832	2835	2842	rVV	4474366	5683884	68.72%	6.253%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

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-BM120722.M
Title : SVOA CALIBRATION

77	19.927	2842	2846	2852	rVB2	166770	250781	3.03%	0.276%
78	20.033	2860	2864	2870	rVB	213129	288078	3.48%	0.317%
79	20.103	2872	2876	2883	rVB	207963	295908	3.58%	0.326%
80	20.174	2883	2888	2895	rBV4	212300	515638	6.23%	0.567%
81	20.239	2896	2899	2903	rVV	62894	91966	1.11%	0.101%
82	20.350	2906	2918	2922	rVB2	632415	1293725	15.64%	1.423%
83	20.445	2930	2934	2938	rBV	550472	759162	9.18%	0.835%
84	20.509	2938	2945	2948	rVV2	228515	462533	5.59%	0.509%
85	20.545	2948	2951	2954	rVB	104608	120401	1.46%	0.132%
86	20.645	2965	2968	2972	rBV	136603	200863	2.43%	0.221%
87	20.692	2974	2976	2980	rVB	121886	130130	1.57%	0.143%
88	20.839	2999	3001	3006	rVB2	69665	75018	0.91%	0.083%
89	20.939	3015	3018	3020	rBV	97076	115243	1.39%	0.127%
90	21.050	3034	3037	3042	rBV3	100072	167104	2.02%	0.184%
91	21.262	3069	3073	3076	rBV	268151	358938	4.34%	0.395%
92	21.297	3076	3079	3083	rVV2	434593	595522	7.20%	0.655%
93	21.339	3083	3086	3091	rVB2	257714	371226	4.49%	0.408%
94	21.615	3126	3133	3137	rBV2	1906085	3993710	48.28%	4.393%
95	21.656	3137	3140	3146	rVB	1060624	1394129	16.85%	1.534%
96	21.786	3159	3162	3169	rVB2	201896	310604	3.76%	0.342%
97	23.338	3417	3426	3432	rBV	922770	2362023	28.56%	2.598%
98	23.880	3514	3518	3522	rBV	350058	602939	7.29%	0.663%
99	23.938	3523	3528	3533	rBV2	1294708	2405049	29.08%	2.646%
100	24.103	3549	3556	3562	rBV2	1112794	2293229	27.72%	2.523%

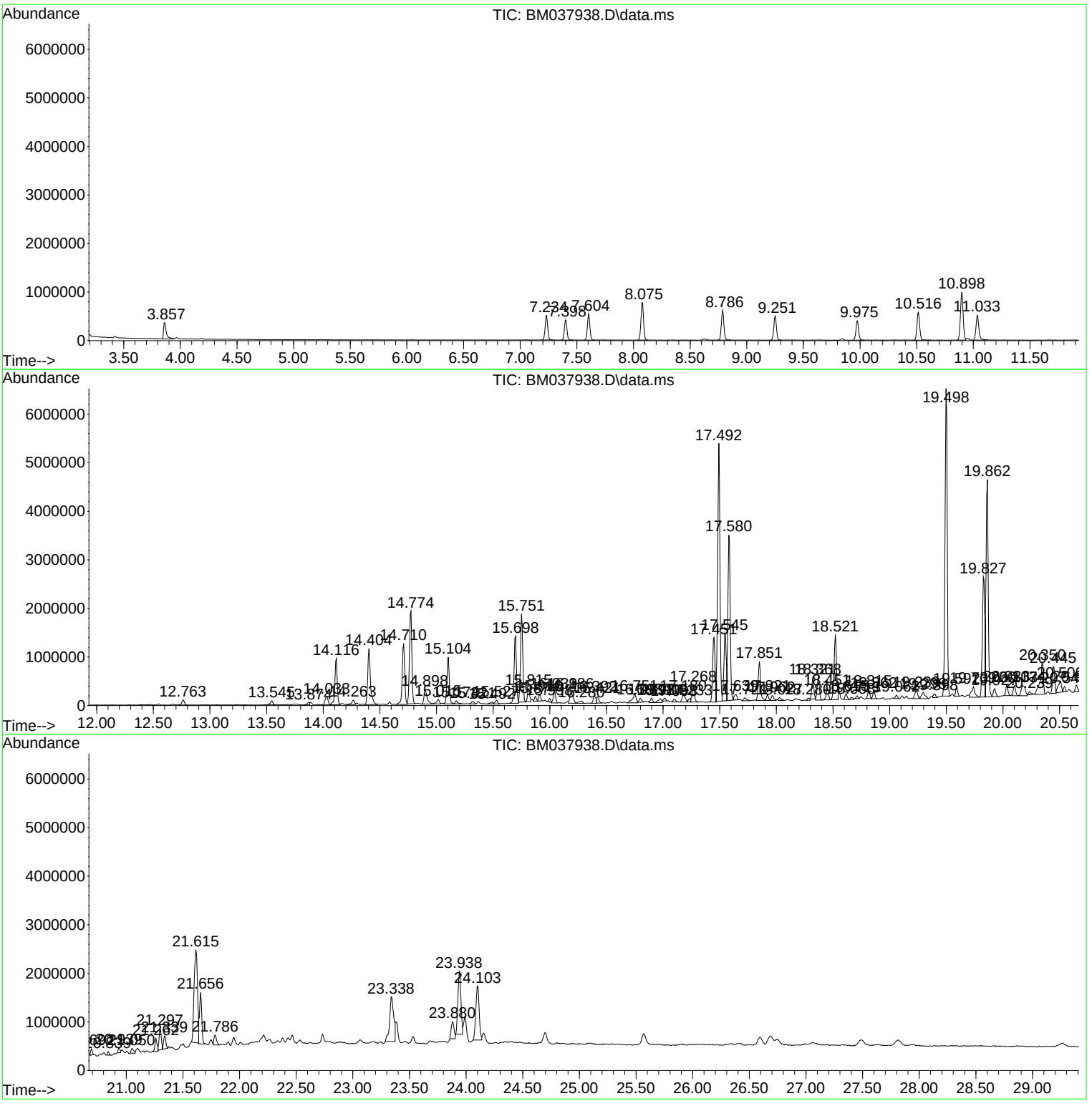
Sum of corrected areas: 90901596

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

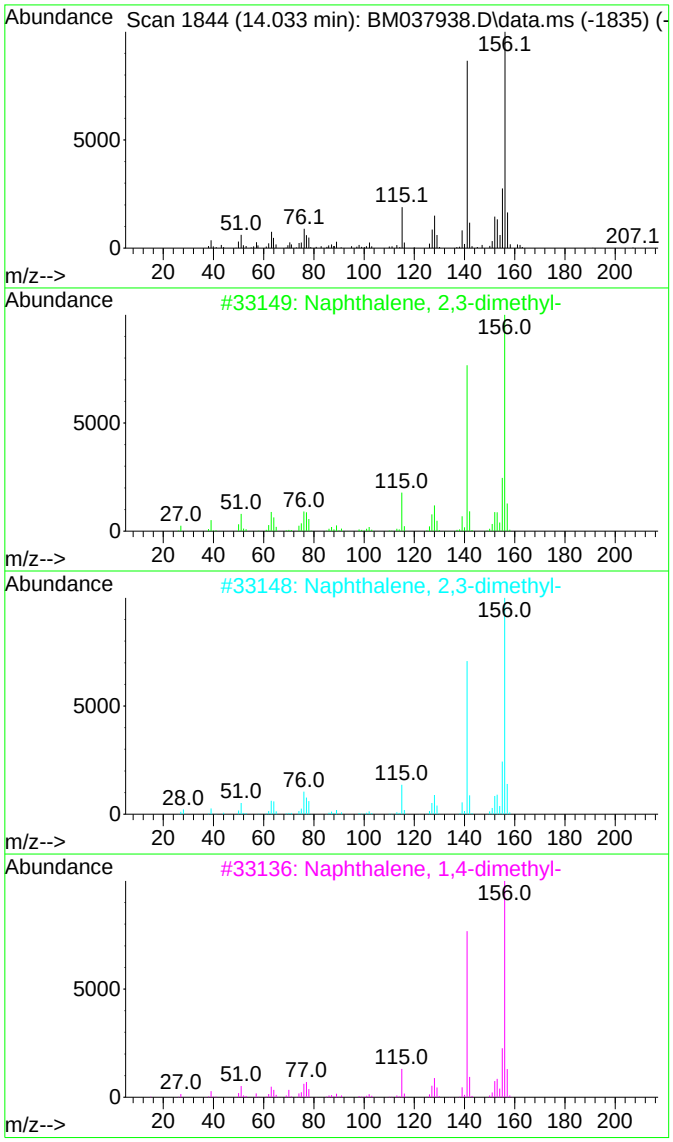
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

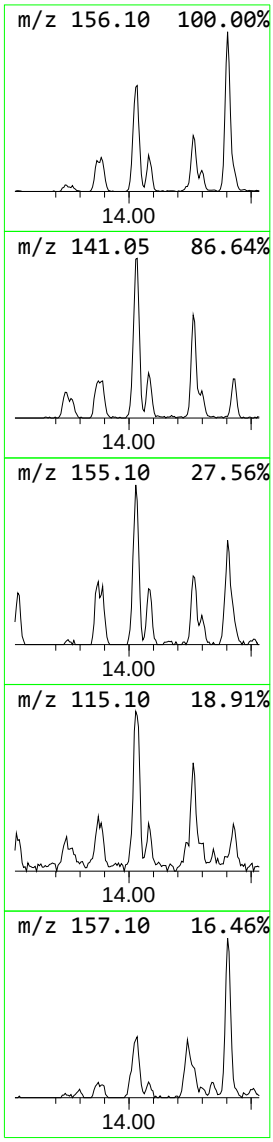
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.033	3.24 ng/ul	308315	Acenaphthene-d10	14.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

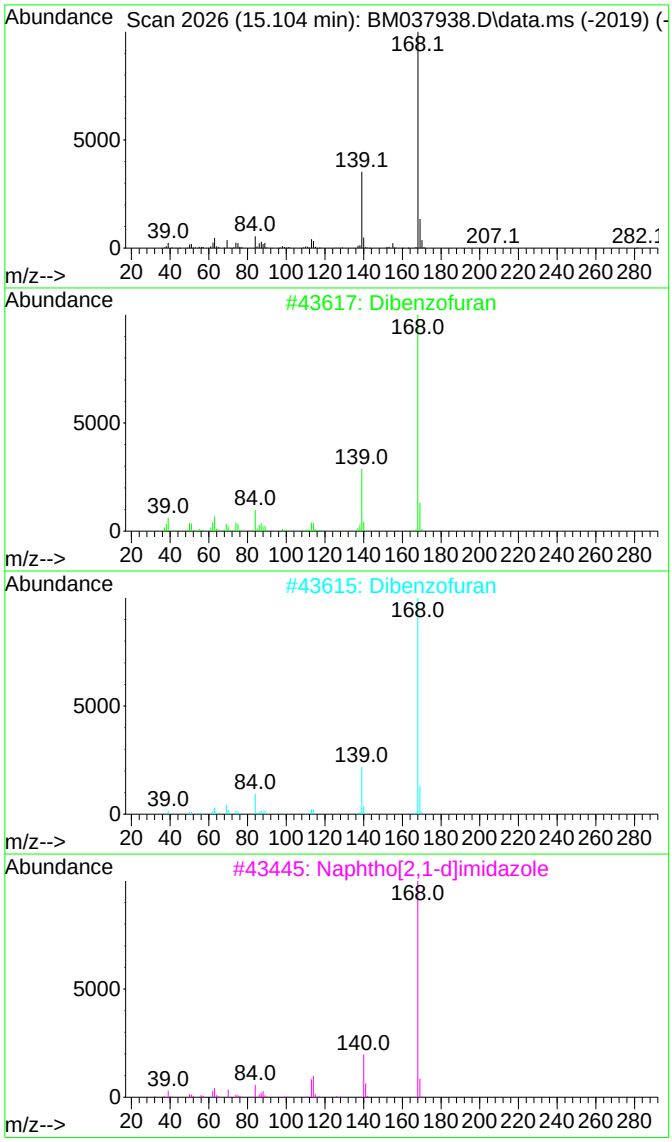
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

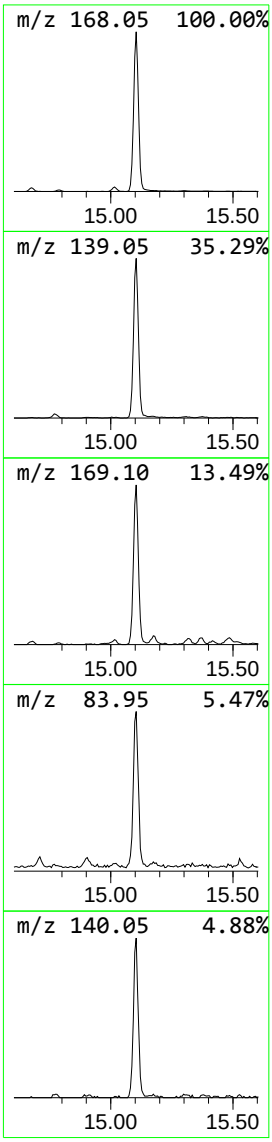
****

Peak Number 2 Dibenzo furan Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	14.62 ng/ul	1389940	Acenaphthene-d10	14.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	90
2	Dibenzofuran	168	C12H8O	000132-64-9	87
3	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	64
4	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	64
5	4-Fluoro-1,3-benzothiazol-2-ylamine	168	C7H5FN2S	020358-06-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

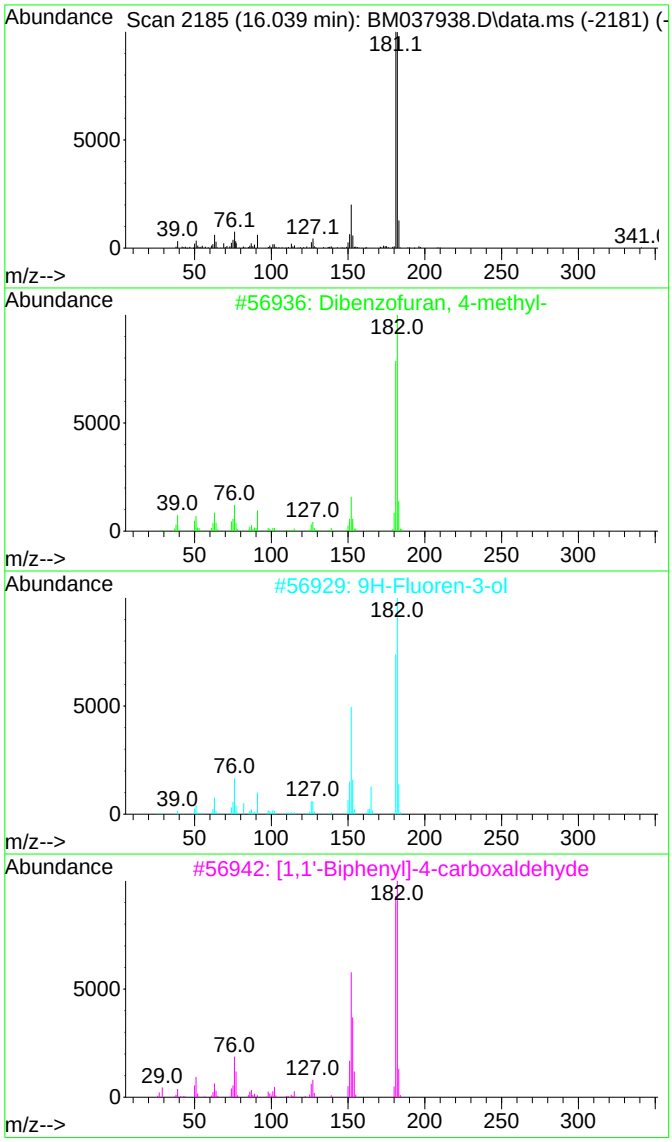
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

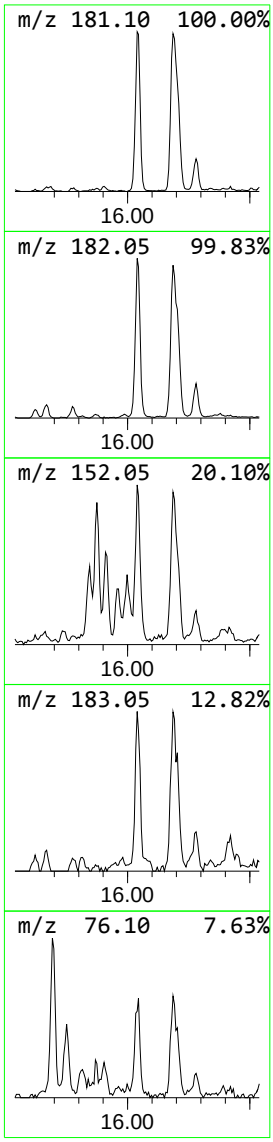
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.039	3.34 ng/ul	317798	Acenaphthene-d10	14.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

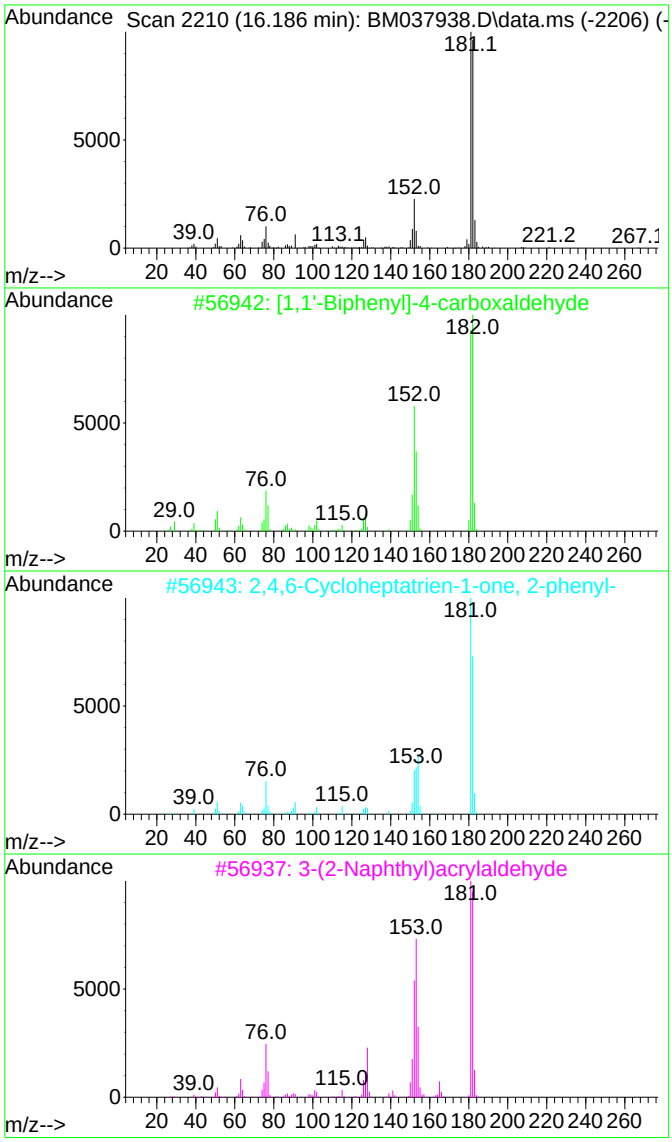
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

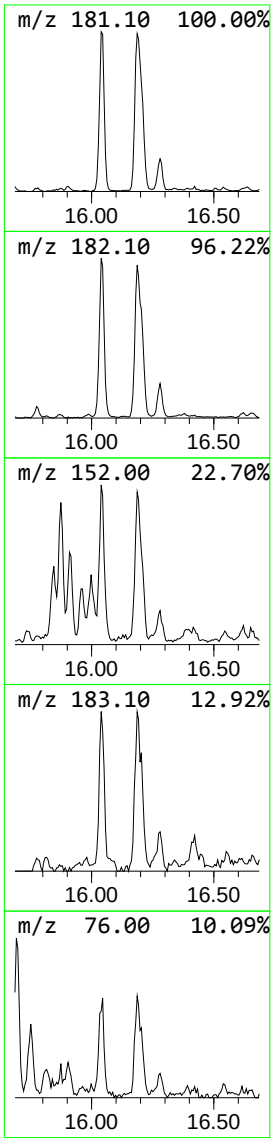
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.186	4.45 ng/ul	448490	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

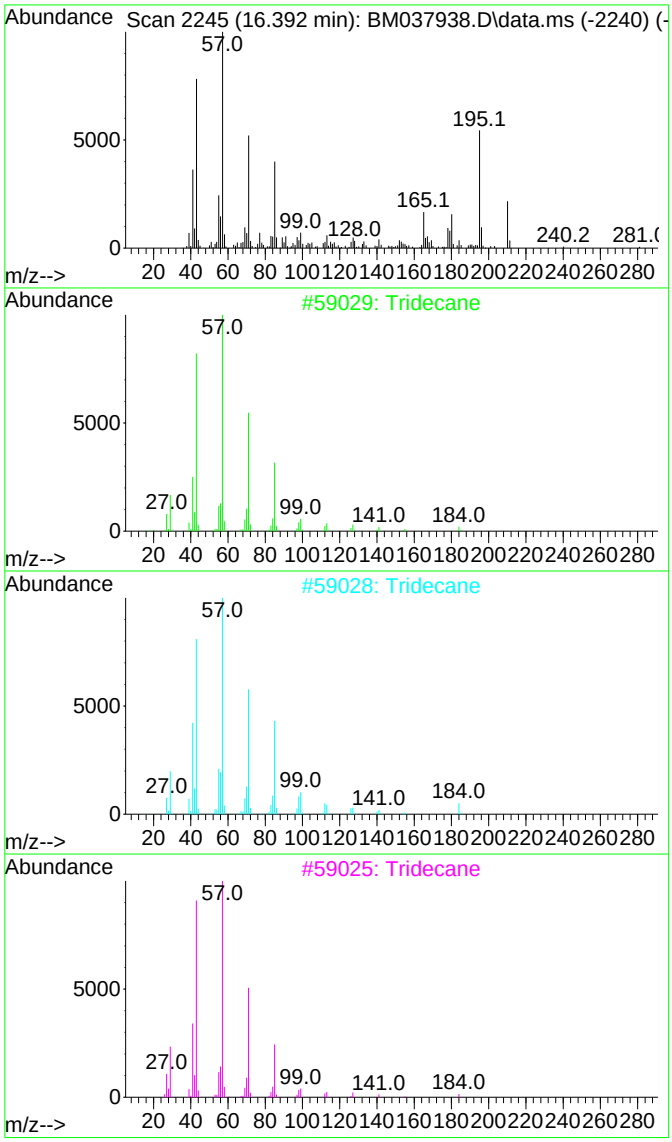
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

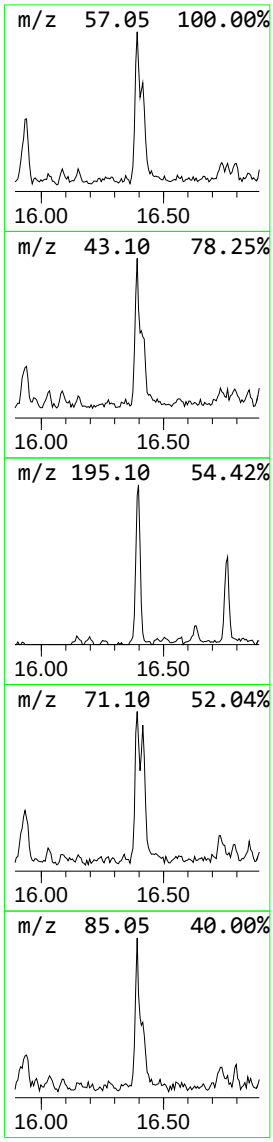
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.392	2.52 ng/ul	254246	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	Tridecane	184	C13H28	000629-50-5	43
3	Tridecane	184	C13H28	000629-50-5	42
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
5	Nonadecane	268	C19H40	000629-92-5	38





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Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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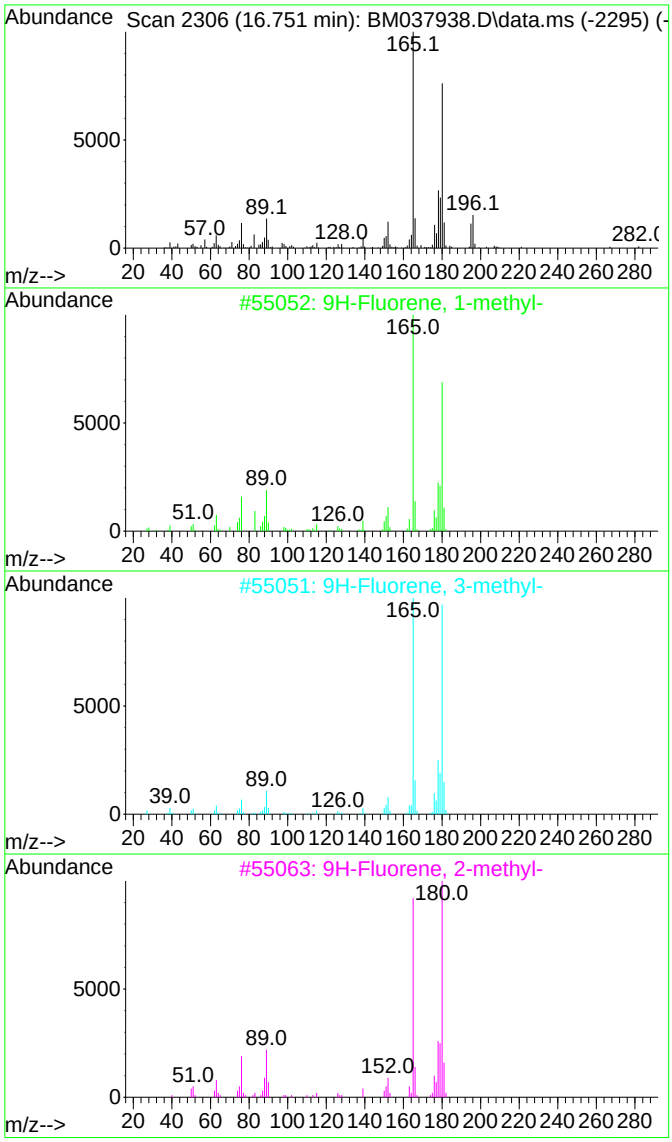
Quant Title : SVOA CALIBRATION

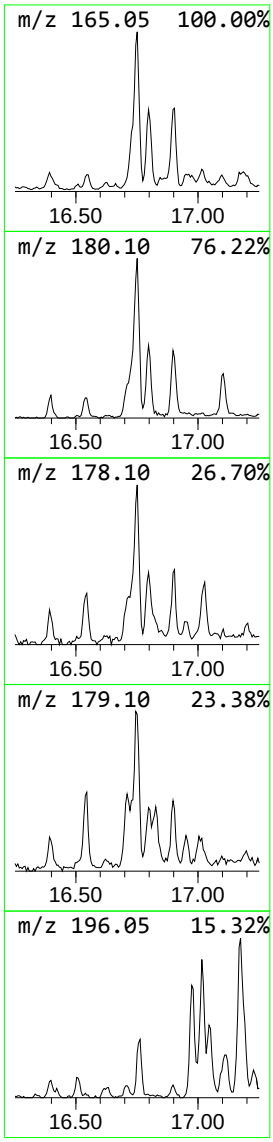
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.751	4.00 ng/ul	403315	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DBXN0MEDL

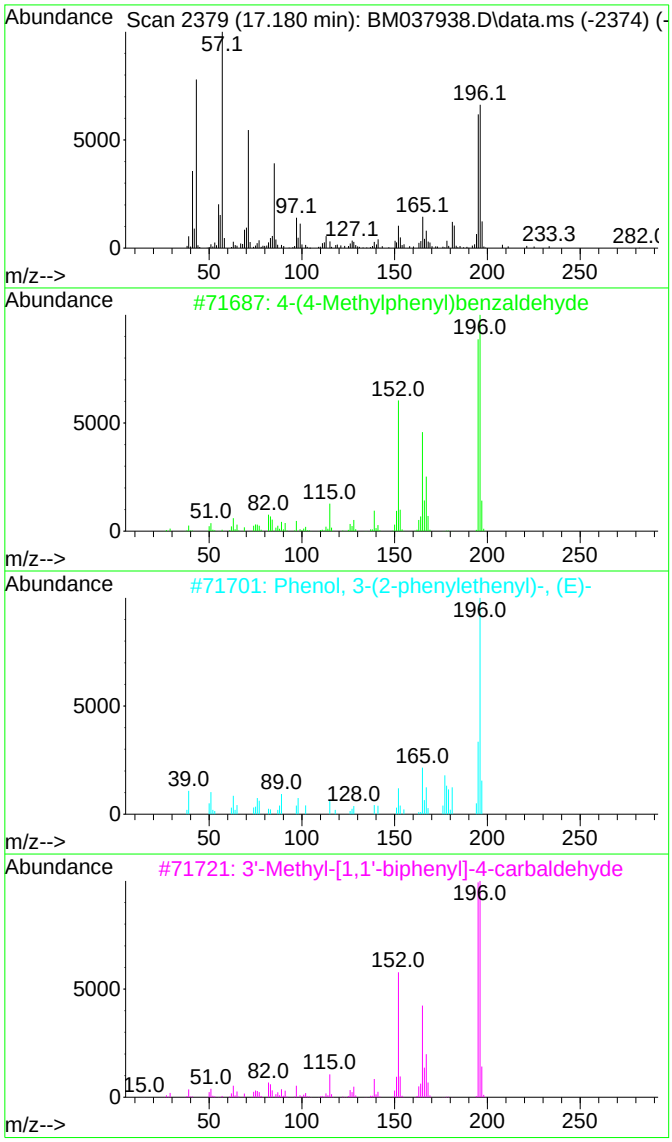
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

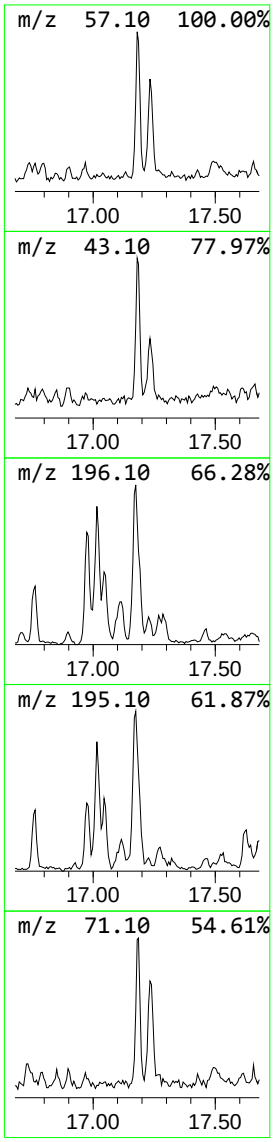
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4-(4-Methylphenyl)benzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.180	3.14 ng/ul	316107	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	64
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	62
3	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	50
4	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	46
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

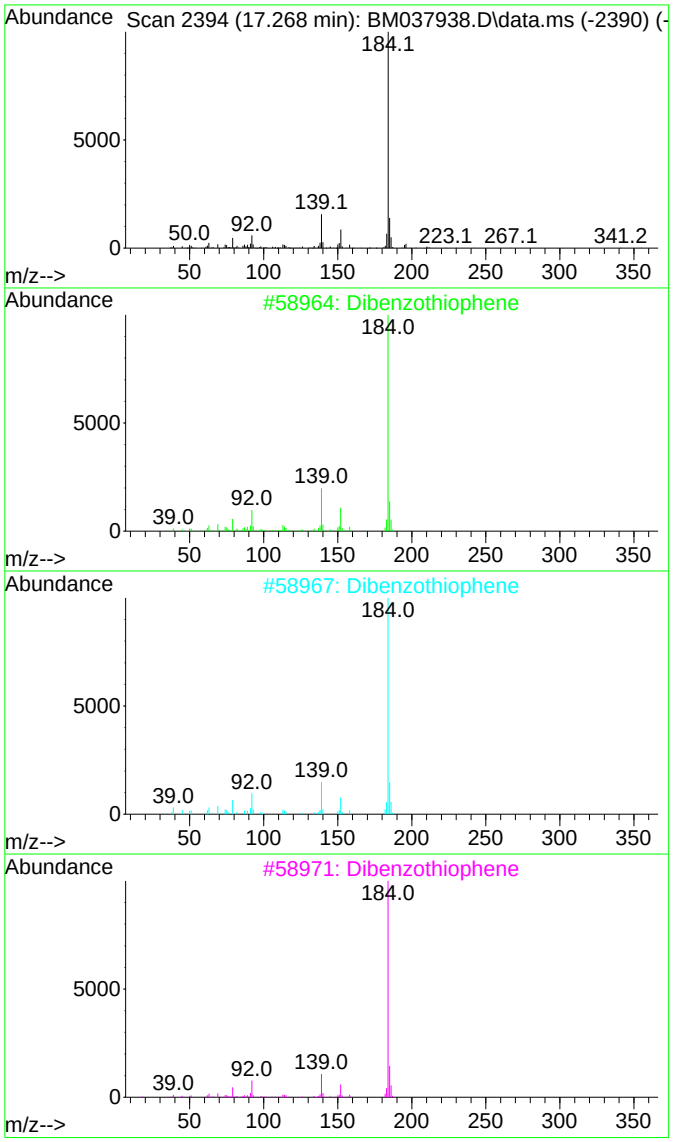
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

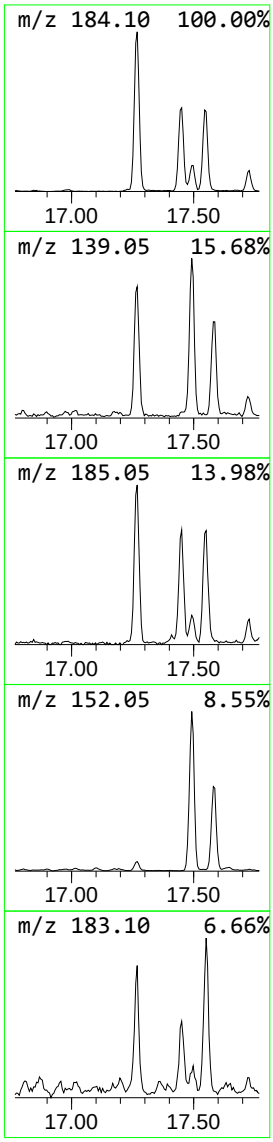
****

Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.268	4.98 ng/ul	501827	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

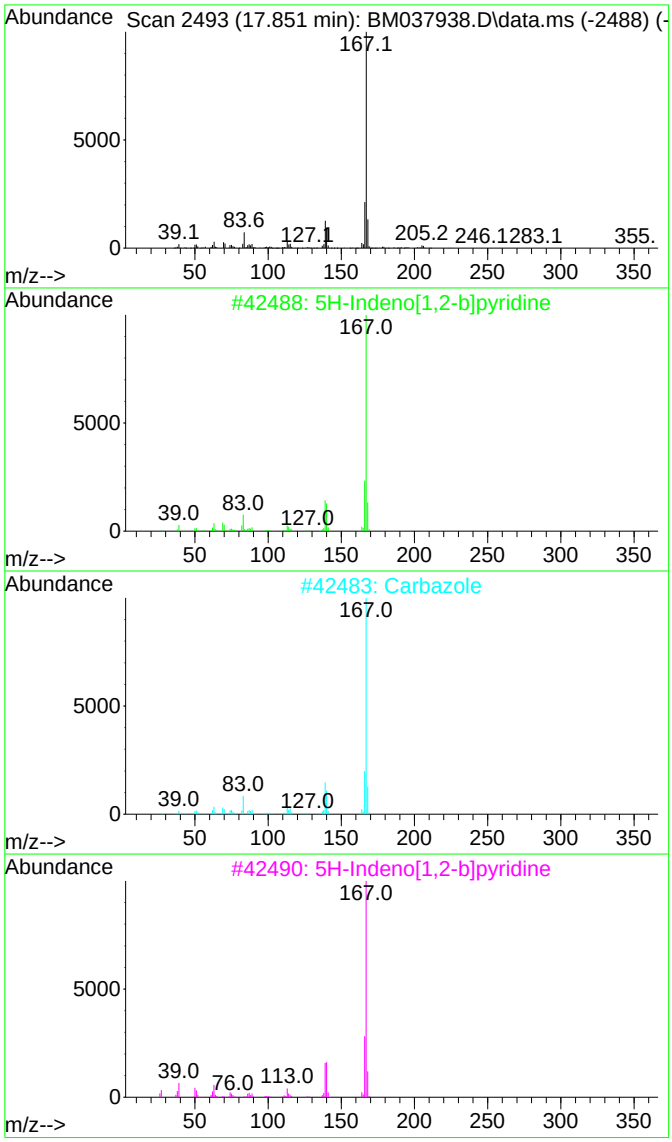
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

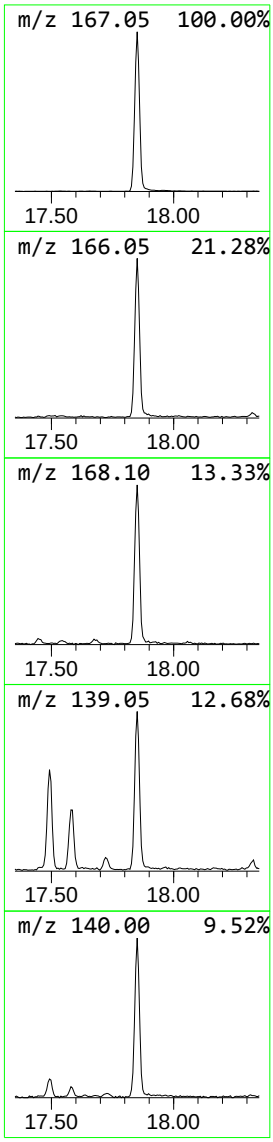
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	11.61 ng/ul	1169560	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	95
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
4	Carbazole	167	C12H9N	000086-74-8	81
5	Carbazole	167	C12H9N	000086-74-8	80





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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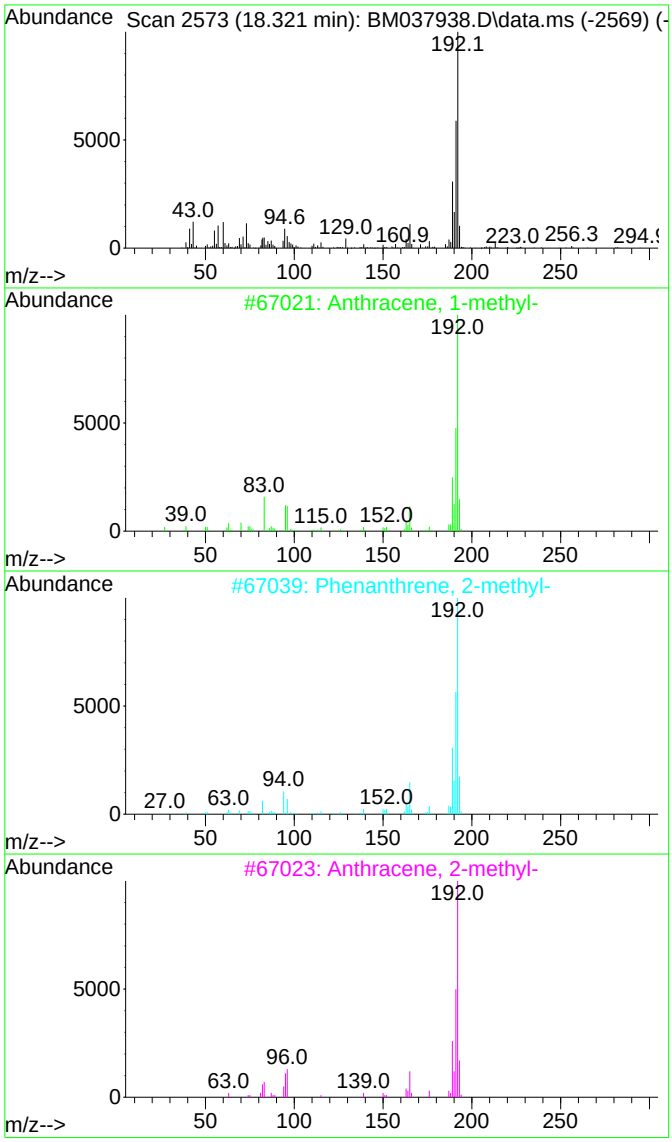
Quant Title : SVOA CALIBRATION

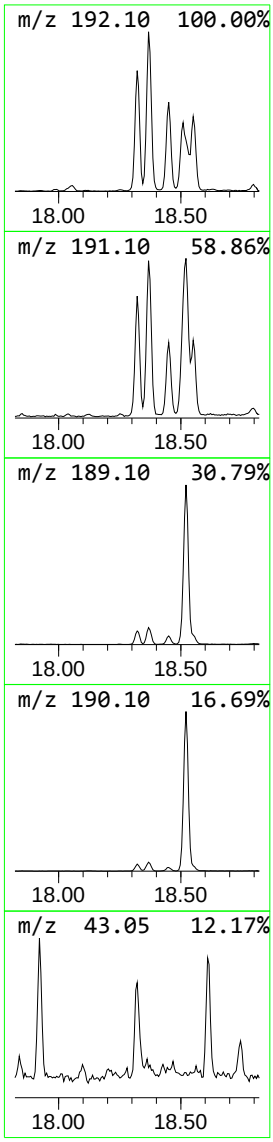
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.321	5.60 ng/ul	563832	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	62





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Acq On : 10 Dec 2022 17:17
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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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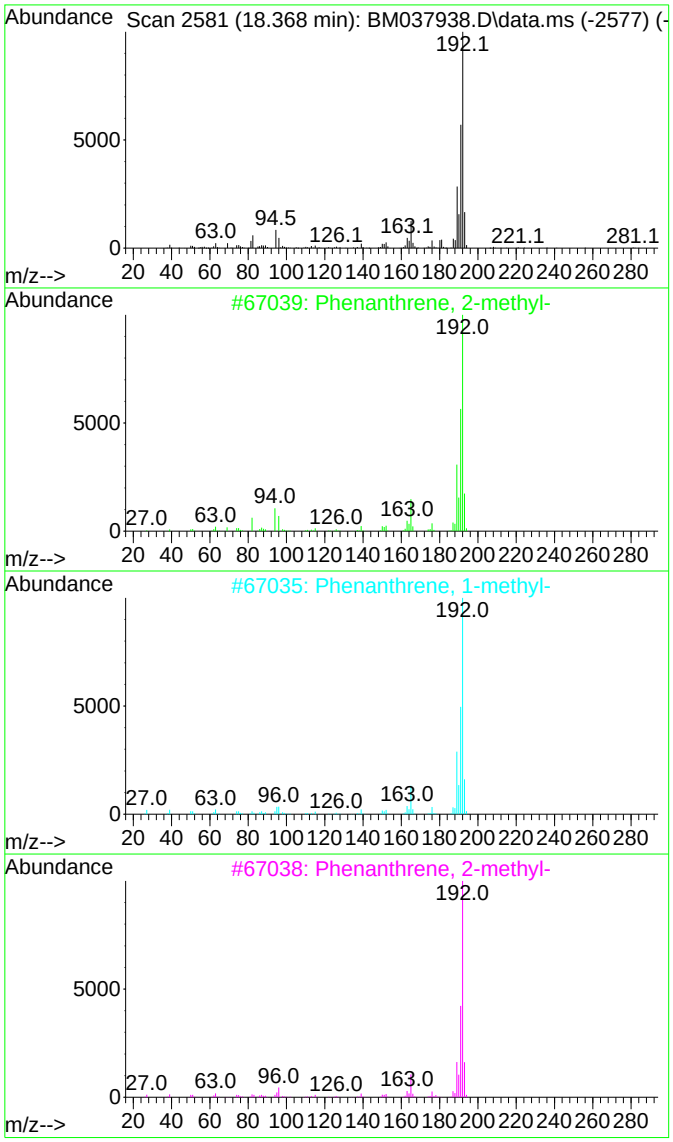
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

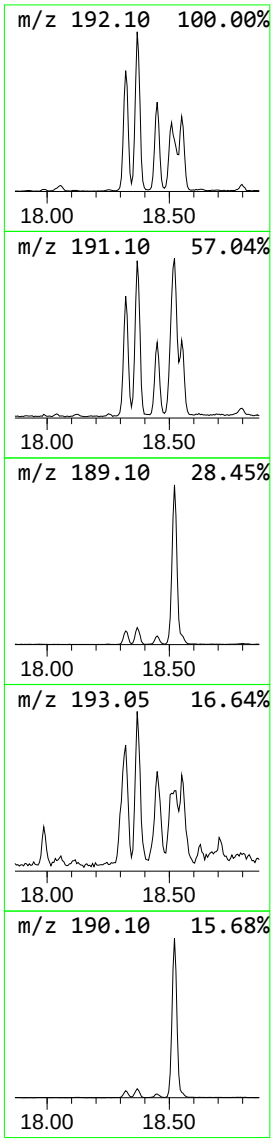
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.368	6.29 ng/ul	633845	Phenanthrene-d10	17.451

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	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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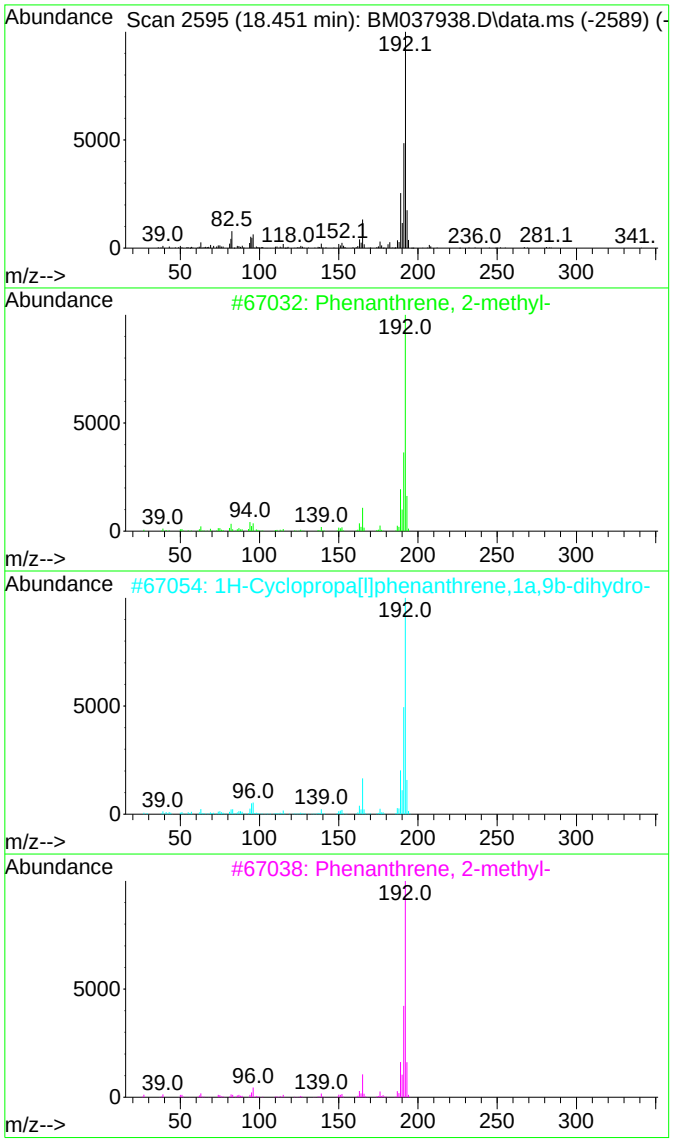
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

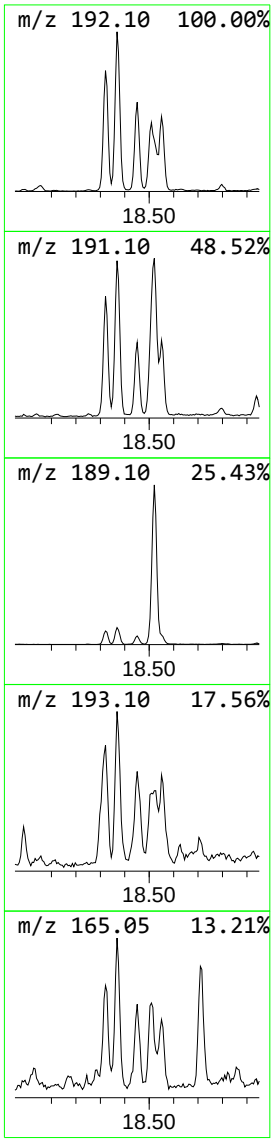
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.451	3.31 ng/ul	333387	Phenanthrene-d10	17.451

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	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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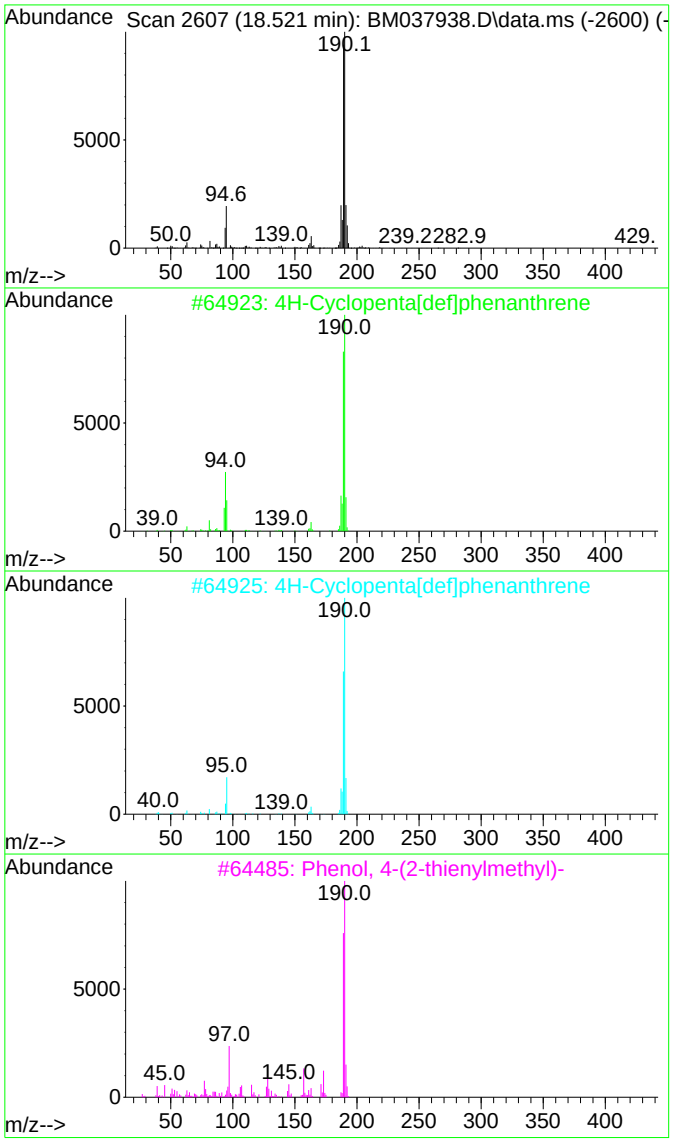
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

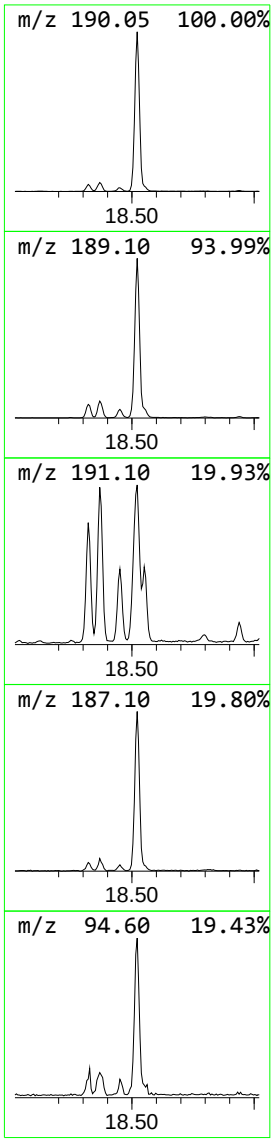
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.521	20.30 ng/ul	2045060	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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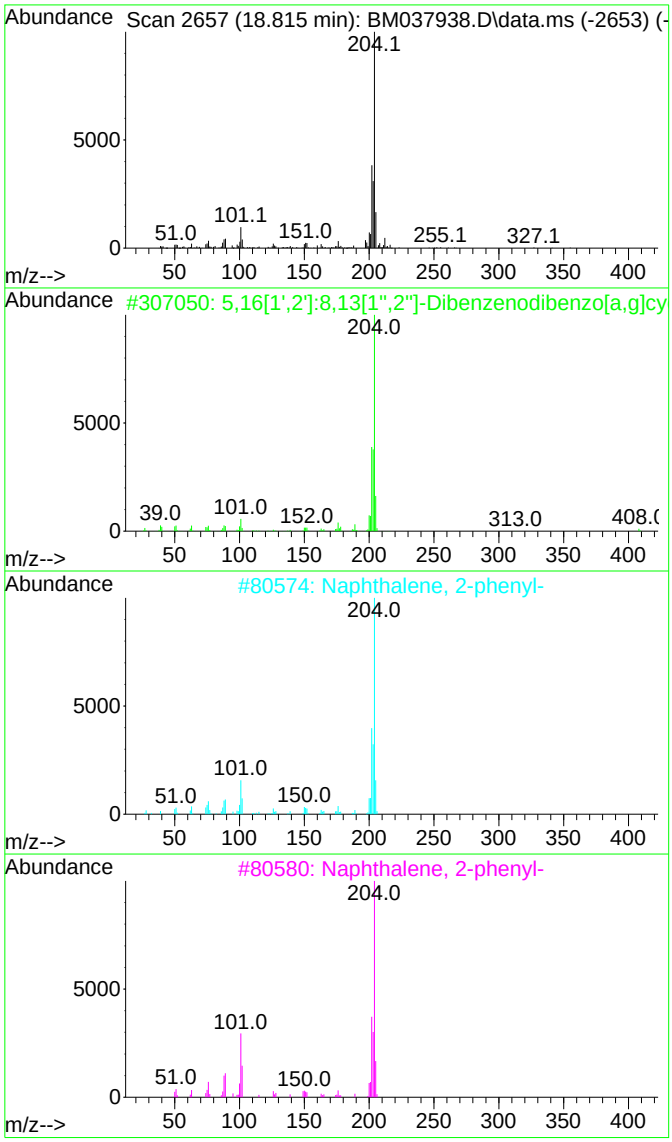
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

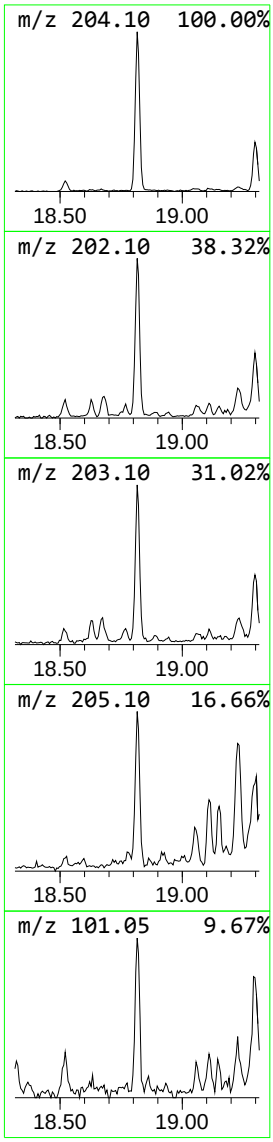
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.815	2.36 ng/ul	237920	Phenanthrene-d10	17.451

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	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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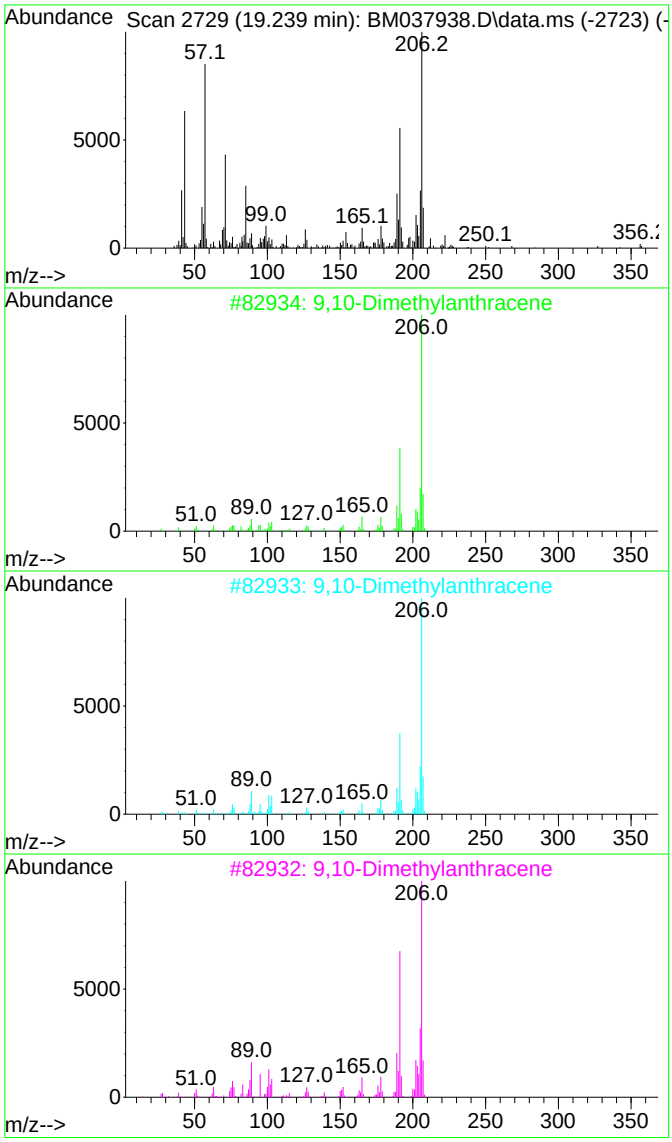
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

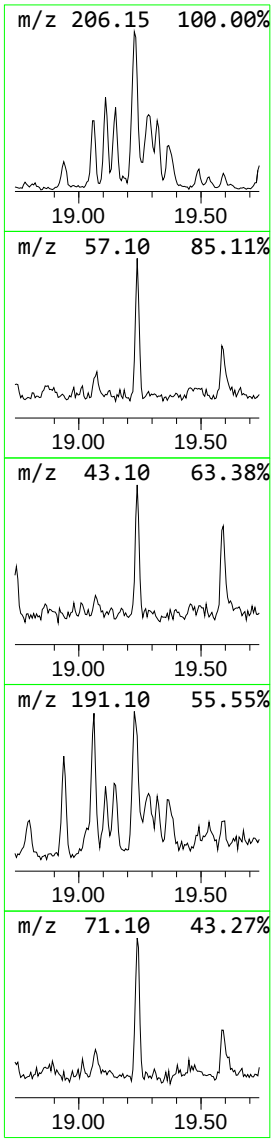
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	2.95 ng/ul	297602	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	70
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





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ALS Vial : 13 Sample Multiplier: 1

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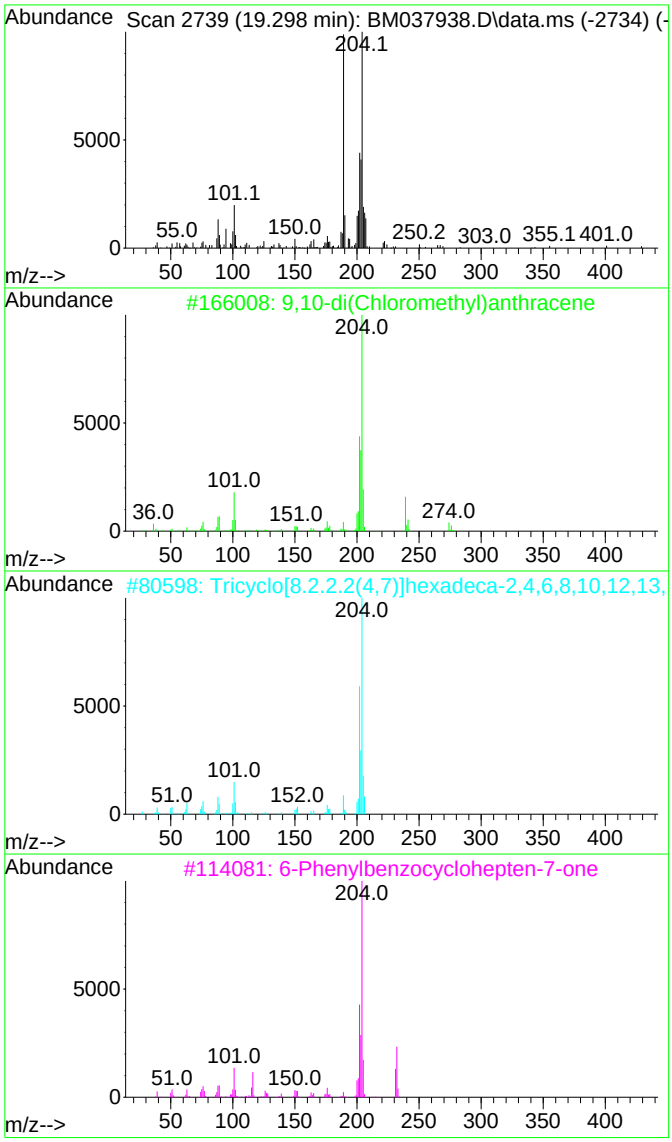
Quant Title : SVOA CALIBRATION

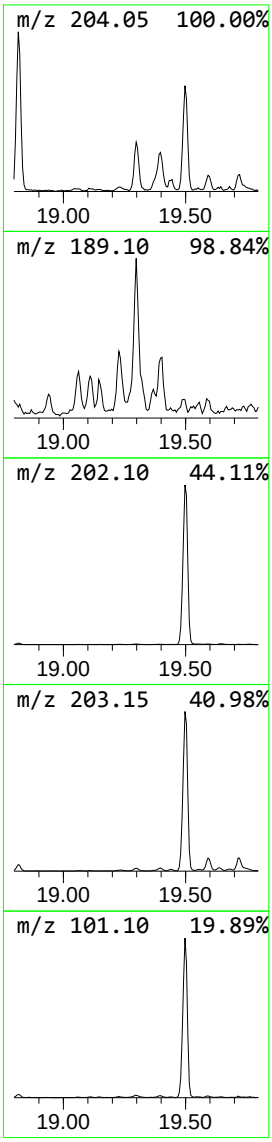
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10-di(Chloromethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.298	2.70 ng/ul	272386	Phenanthrene-d10	17.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	58
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	52
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50





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Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

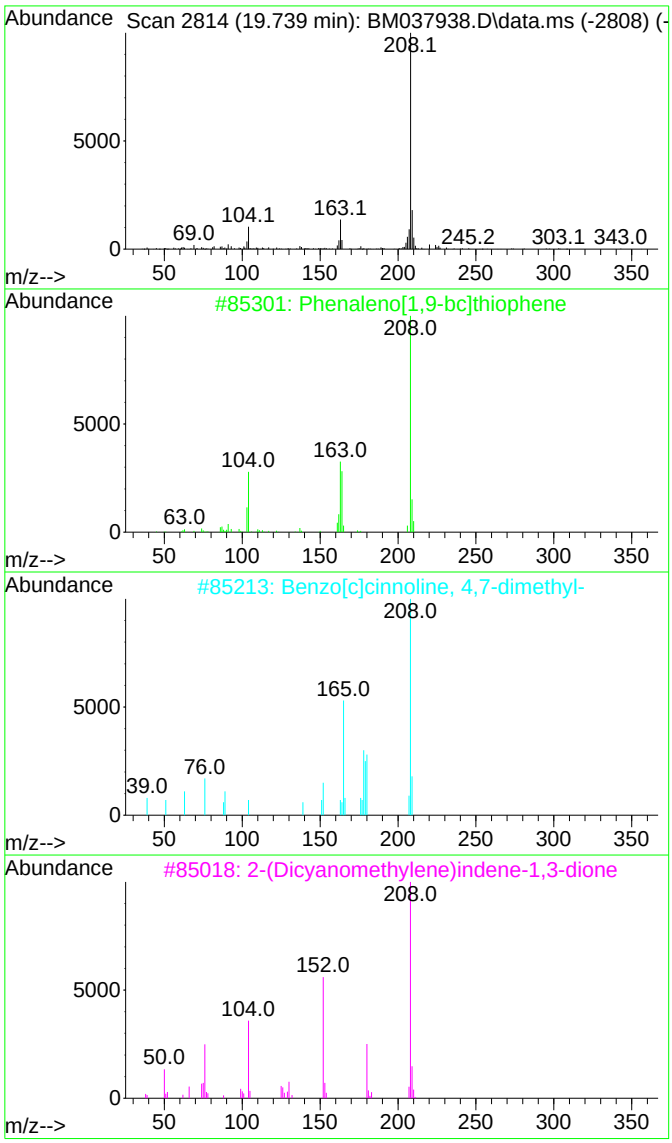
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

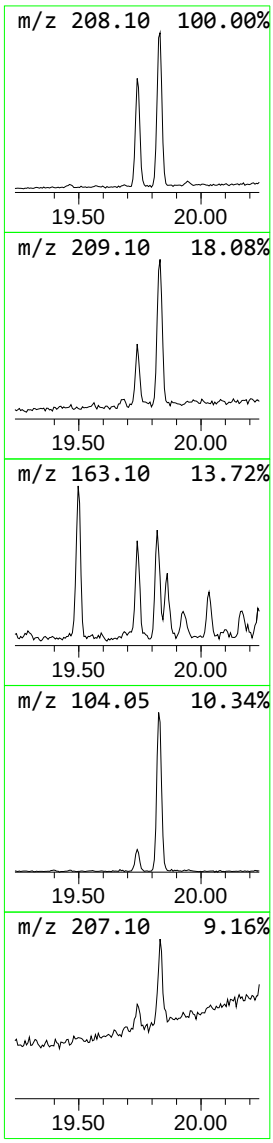
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Phenaleno[1,9-bc]thiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.739	2.24 ng/ul	448238	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	74
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	72
3	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	64
4	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
5	Ethanol, 2-[4-vinyl-2-methoxy-6-...	208	C12H16O3	1000132-26-4	64





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Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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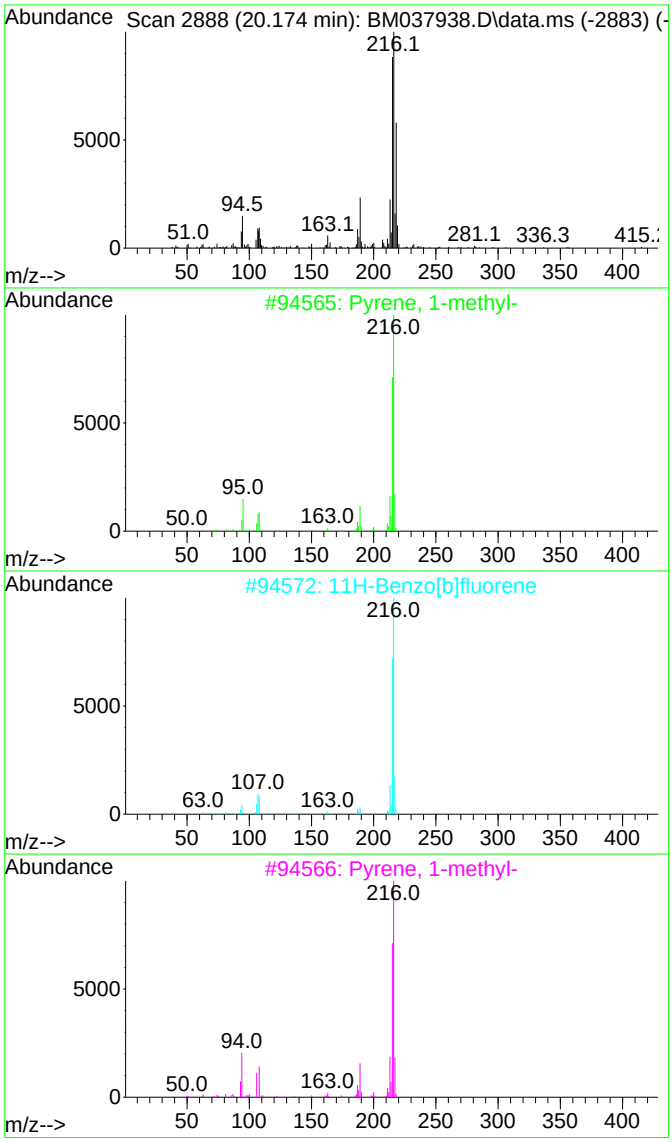
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

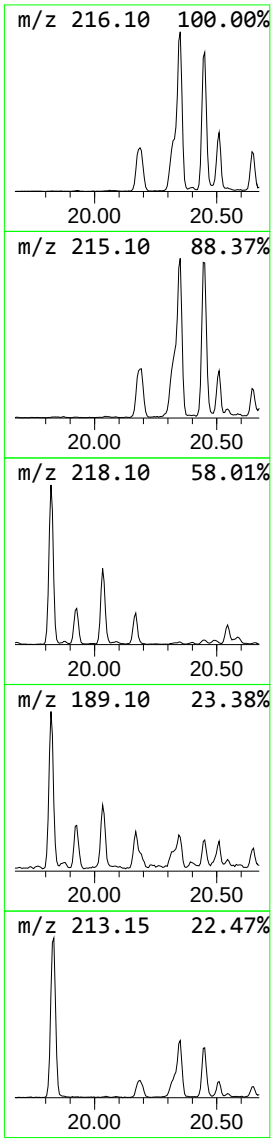
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.174	2.58 ng/ul	515638	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

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

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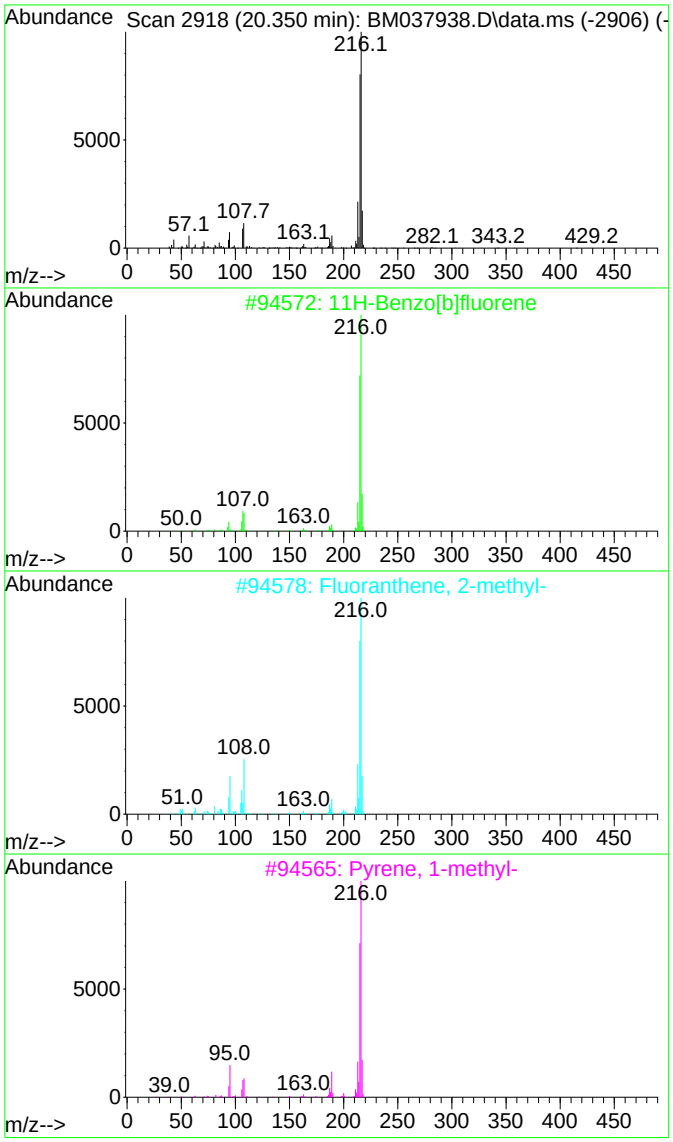
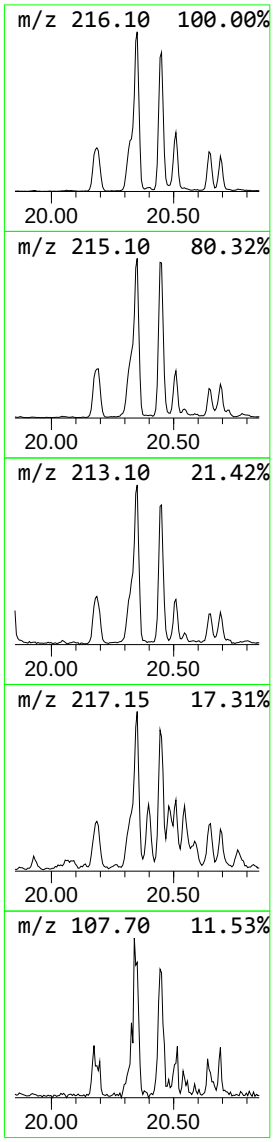
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.350	6.48 ng/ul	1293730	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

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

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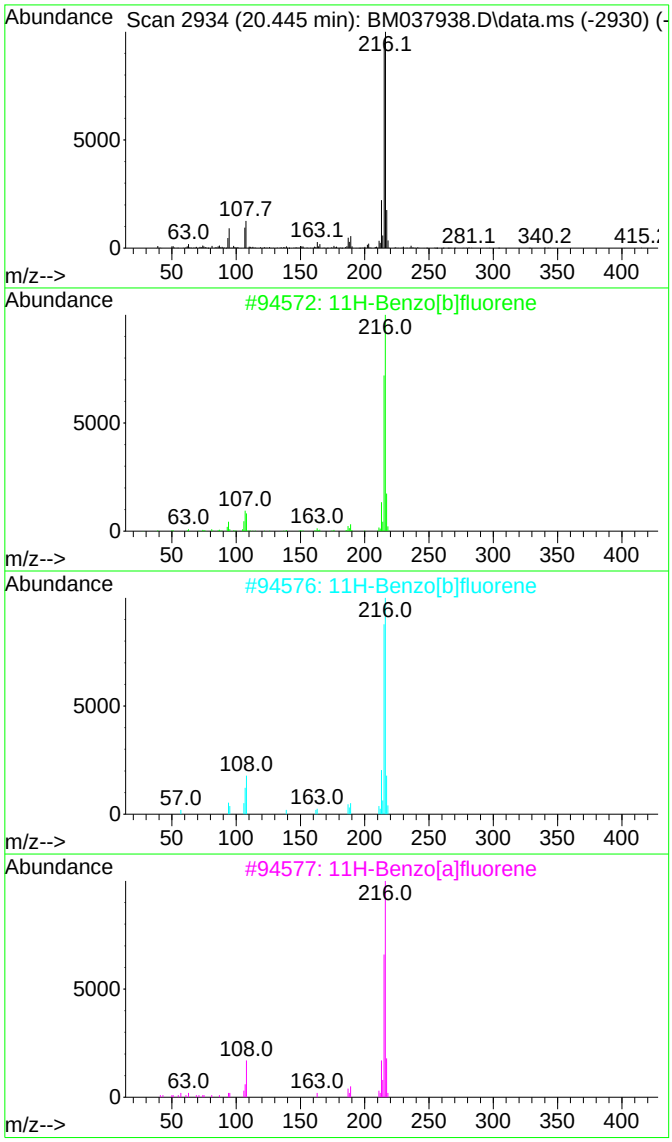
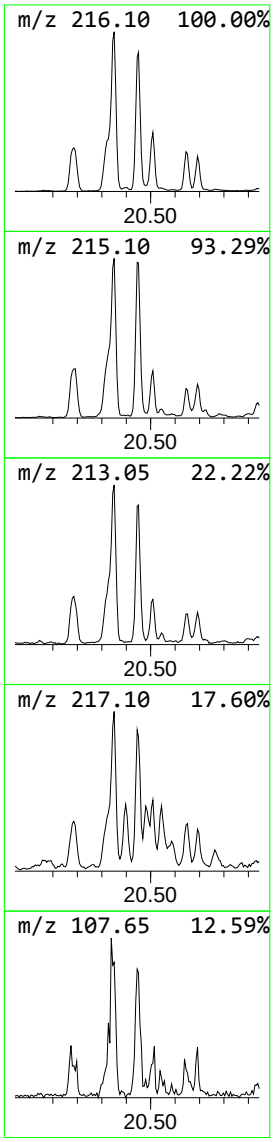
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.445	3.80 ng/ul	759162	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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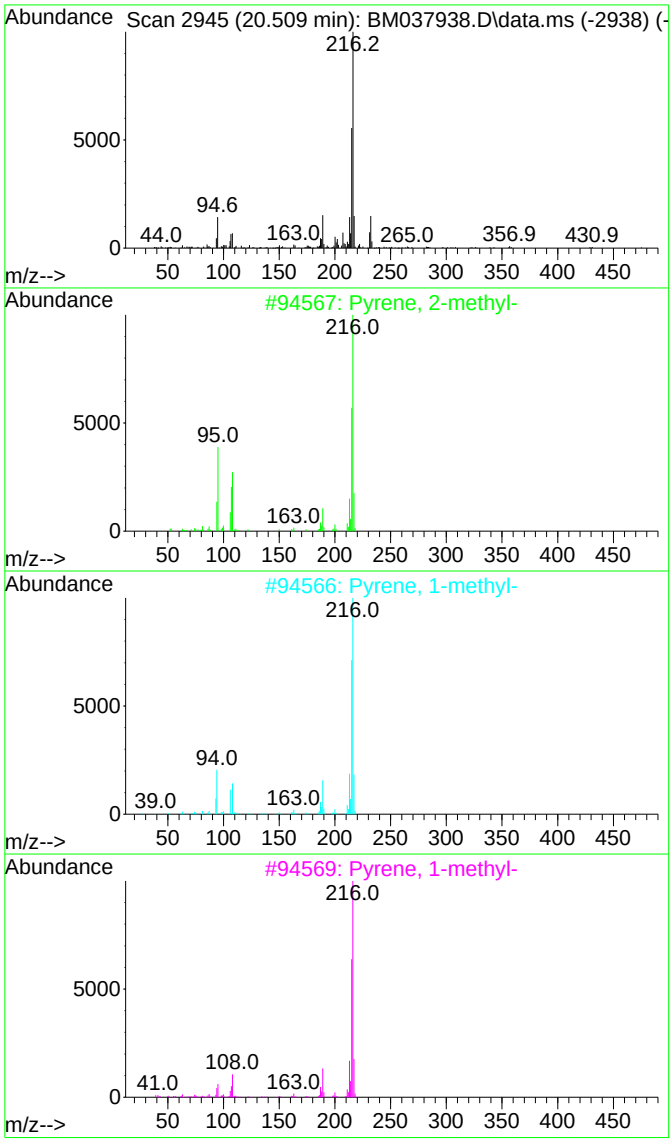
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

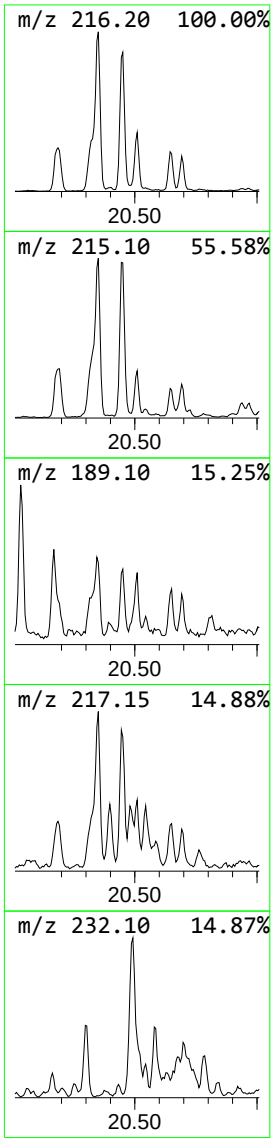
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.509	2.32 ng/ul	462533	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Data File : BM037938.D
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Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

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

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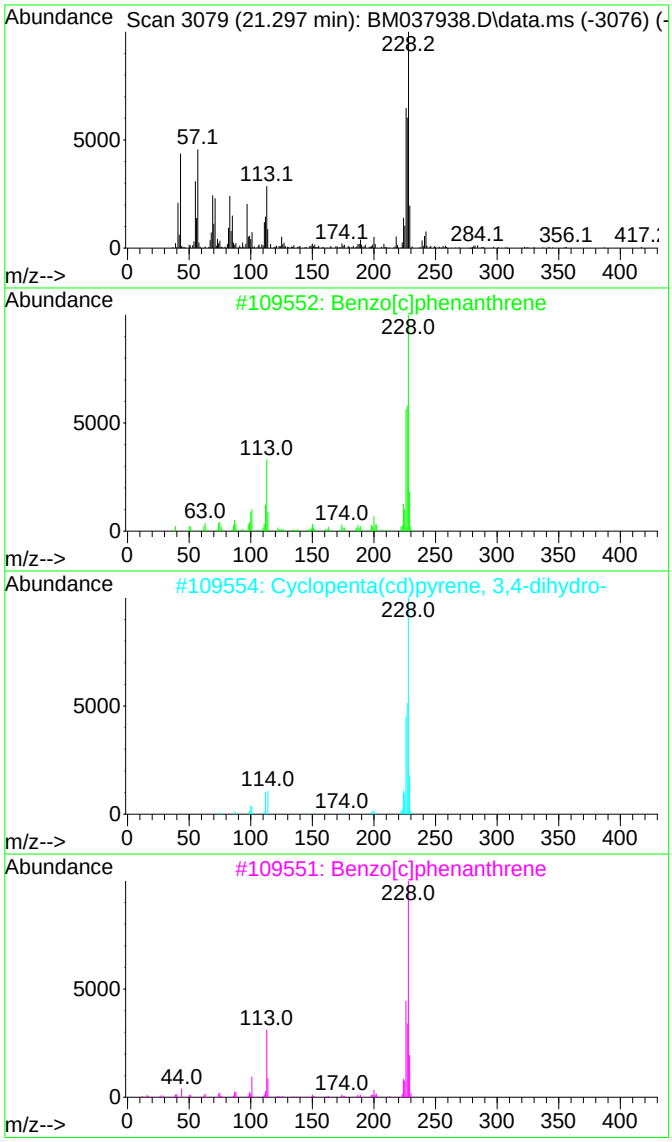
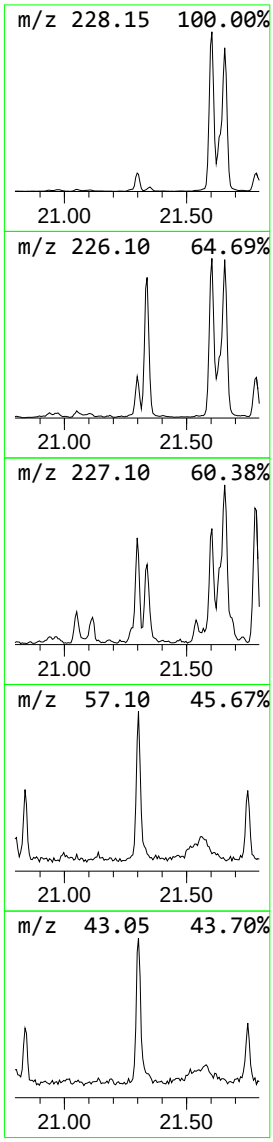
Peak Number 22 Benzo[c]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.297	2.98 ng/ul	595522	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	86
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
5	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	49





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Sample : N5896-12MEDL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION

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

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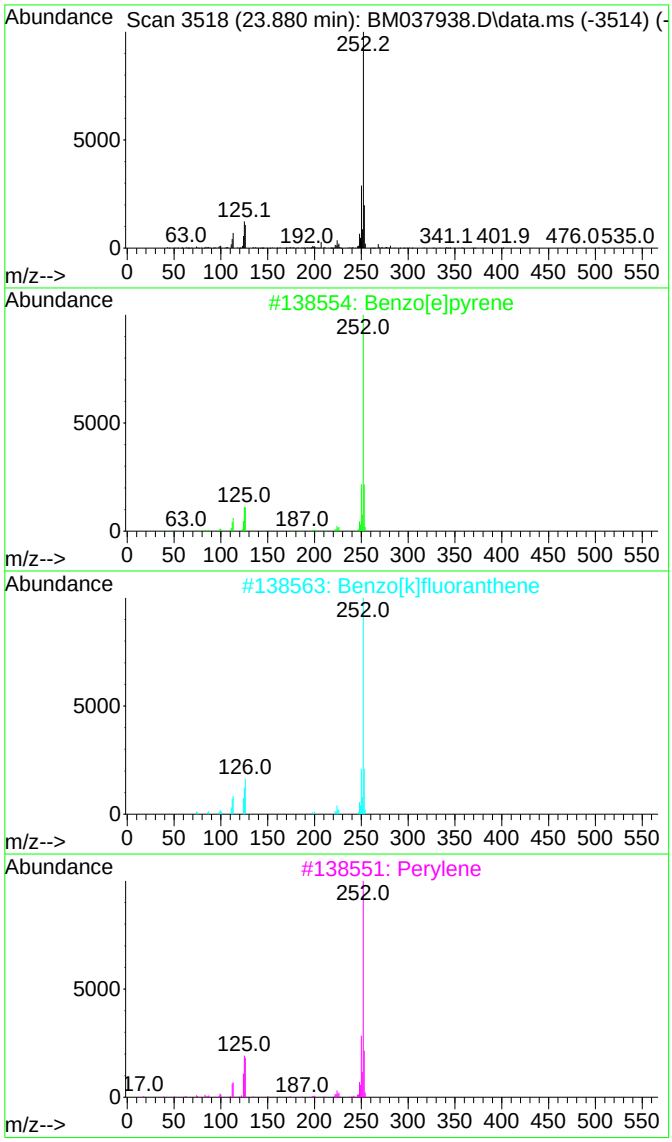
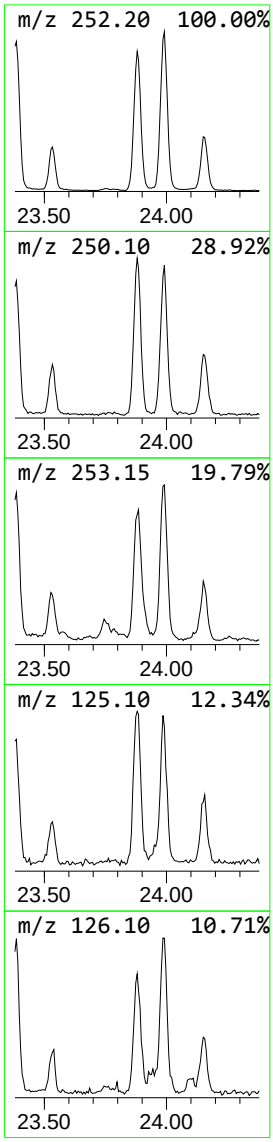
Peak Number 23 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.880	5.26 ng/ul	602939	Perylene-d12	24.103

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96





Tentatively Identified Compound (LSC) summary

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Data File : BM037938.D
Acq On : 10 Dec 2022 17:17
Operator : CG/JU
Sample : N5896-12MEDL 2X
Misc :
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.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
Naphthalene, 2,...	14.033	3.2	ng/ul	308315	3	14.710	1900820	20.0
Dibenzo furan	15.104	14.6	ng/ul	1389940	3	14.710	1900820	20.0
Dibenzofuran, 4...	16.039	3.3	ng/ul	317798	3	14.710	1900820	20.0
[1,1'-Biphenyl]...	16.186	4.5	ng/ul	448490	4	17.451	2014800	20.0
(DEL) Alkane: S...	16.392	2.5	ng/ul	254246	4	17.451	2014800	20.0
9H-Fluorene, 1-...	16.751	4.0	ng/ul	403315	4	17.451	2014800	20.0
4-(4-Methylphen...	17.180	3.1	ng/ul	316107	4	17.451	2014800	20.0
Dibenzothiophene	17.268	5.0	ng/ul	501827	4	17.451	2014800	20.0
5H-Indeno[1,2-b...	17.851	11.6	ng/ul	1169560	4	17.451	2014800	20.0
Anthracene, 1-m...	18.321	5.6	ng/ul	563832	4	17.451	2014800	20.0
Phenanthrene, 2...	18.368	6.3	ng/ul	633845	4	17.451	2014800	20.0
1H-Cyclopropa[l...	18.451	3.3	ng/ul	333387	4	17.451	2014800	20.0
4H-Cyclopenta[d...	18.521	20.3	ng/ul	2045060	4	17.451	2014800	20.0
5,16[1',2']:8,1...	18.815	2.4	ng/ul	237920	4	17.451	2014800	20.0
9,10-Dimethylan...	19.239	3.0	ng/ul	297602	4	17.451	2014800	20.0
9,10-di(Chlorom...	19.298	2.7	ng/ul	272386	4	17.451	2014800	20.0
Phenaleno[1,9-b...	19.739	2.2	ng/ul	448238	5	21.621	3993710	20.0
Pyrene, 1-methyl-	20.174	2.6	ng/ul	515638	5	21.621	3993710	20.0
11H-Benzo[b]flu...	20.350	6.5	ng/ul	1293730	5	21.621	3993710	20.0
11H-Benzo[a]flu...	20.445	3.8	ng/ul	759162	5	21.621	3993710	20.0
Pyrene, 2-methyl-	20.509	2.3	ng/ul	462533	5	21.621	3993710	20.0
Benzo[c]phenant...	21.297	3.0	ng/ul	595522	5	21.621	3993710	20.0
Benzo[e]pyrene	23.880	5.3	ng/ul	602939	6	24.103	2293230	20.0