LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

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_P\Methods\SFAM-EPA-BP050323.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BP014968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.017	102	107	112	rVB	253022	319540	1.67%	0.165%
2	5.299	320	325	332	rBV	47597	73197	0.38%	0.038%
3	7.310	657	667	676	rBV	293383	545113	2.84%	0.281%
4	7.481	690	696	703	rBV	272052	435253	2.27%	0.225%
5	7.693	726	732	742	rVB	315540	507737	2.65%	0.262%
6	8.169	803	813	826	rBV	961757	1512453	7.88%	0.781%
7	8.875	927	933	941	rBV	283296	461721	2.41%	0.238%
8	8.999	948	954	962	rVB	94850	162091	0.84%	0.084%
9	9.346	1006	1013	1019	rVV	261804	452092	2.36%	0.233%
10	10.075	1121	1137	1143	rBV	202323	360557	1.88%	0.186%
11	10.616	1222	1229	1238	rVB	299981	508129	2.65%	0.262%
12	11.004	1283	1295	1300	rBV	1131392	1944502	10.14%	1.004%
13	11.051	1300	1303	1311	rVB	123197	199981	1.04%	0.103%
14	11.140	1311	1318	1328	rBV	127523	265706	1.38%	0.137%
15	12.651	1565	1575	1581	rVB	212969	338068	1.76%	0.175%
16	12.869	1605	1612	1621	rVB	163010	263332	1.37%	0.136%
17	13.622	1735	1740	1743	rBV	69819	109882	0.57%	0.057%
18	13.840	1773	1777	1780	rBV	70943	109356	0.57%	0.056%
19	13.975	1794	1800	1801	rBV2	114278	165659	0.86%	0.086%
20	14.134	1821	1827	1831	rBV	182216	313518	1.63%	0.162%
21	14.210	1831	1840	1847	rVV	527287	920883	4.80%	0.475%
22	14.275	1847	1851	1855	rVB3	48897	70163	0.37%	0.036%
23	14.369	1863	1867	1870	rBV	92946	126341	0.66%	0.065%
24	14.504	1884	1890	1894	rBV	642401	1021584	5.32%	0.527%
25	14.687	1917	1921	1925	rBV	71151	96099	0.50%	0.050%
26	14.810	1932	1942	1948	rBV	1469133	2227548	11.61%	1.150%
27	14.875	1948	1953	1960	rVB	585259	893633	4.66%	0.461%
28	14.940	1960	1964	1968	rVB2	46858	69037	0.36%	0.036%
29	15.004	1969	1975	1985	rVB3	113817	303639	1.58%	0.157%
30	15.098	1986	1991	1993	rBV2	47567	77362	0.40%	0.040%
31	15.204	2003	2009	2017	rBV2	361599	590034	3.08%	0.305%
32	15.281	2018	2022	2030	rVB2	93901	137467	0.72%	0.071%
33	15.422	2042	2046	2050	rBV2	78135	121529	0.63%	0.063%
34	15.475	2051	2055	2059	rVV	84521	110889	0.58%	0.057%
35	15.592	2069	2075	2078	rBV3	83118	161412	0.84%	0.083%
36	15.634	2078	2082	2087	rVB2	114397	172866	0.90%	0.089%

LSC Area Percent Report

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Data File : BP014968.D
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Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

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_P\Methods\SFAM-EPA-BP050323.MA.M
Title : SVOA CALIBRATION

37	15.798	2106	2110	2115	rVB	703966	984799	5.13%	0.508%
38	15.857	2115	2120	2126	rBV	590557	848770	4.42%	0.438%
39	15.981	2138	2141	2144	rVB	69654	70136	0.37%	0.036%
40	16.022	2144	2148	2150	rBV2	89016	126848	0.66%	0.065%
41	16.157	2166	2171	2176	rVB2	273222	485876	2.53%	0.251%
42	16.298	2191	2195	2203	rVB2	166517	312852	1.63%	0.162%
43	16.528	2225	2234	2240	rBV2	335836	710641	3.70%	0.367%
44	16.910	2296	2299	2305	rVB4	102162	155903	0.81%	0.080%
45	17.216	2347	2351	2357	rVB	402721	566537	2.95%	0.293%
46	17.298	2361	2365	2370	rBV3	149585	256646	1.34%	0.133%
47	17.386	2376	2380	2386	rVB	439032	671032	3.50%	0.346%
48	17.569	2405	2411	2414	rBV	1625098	2553086	13.31%	1.318%
49	17.610	2414	2418	2423	rVV	8436376	12390894	64.58%	6.398%
50	17.663	2423	2427	2430	rVV	981474	1494162	7.79%	0.771%
51	17.698	2430	2433	2438	rVV	2434526	3258762	16.99%	1.683%
52	17.757	2438	2443	2447	rVB	307872	445000	2.32%	0.230%
53	17.963	2471	2478	2486	rBV2	1193309	1901515	9.91%	0.982%
54	18.075	2494	2497	2504	rBV2	142167	193393	1.01%	0.100%
55	18.139	2505	2508	2515	rVB2	212775	308016	1.61%	0.159%
56	18.422	2551	2556	2560	rBV	1098703	1500040	7.82%	0.775%
57	18.469	2560	2564	2570	rVV	1342811	1755890	9.15%	0.907%
58	18.545	2573	2577	2582	rVV	432708	601843	3.14%	0.311%
59	18.616	2582	2589	2592	rVV3	1741039	2970508	15.48%	1.534%
60	18.645	2592	2594	2600	rVB	679744	702183	3.66%	0.363%
61	18.751	2609	2612	2616	rVB2	156180	188890	0.98%	0.098%
62	18.898	2633	2637	2641	rBV	805365	986823	5.14%	0.510%
63	18.939	2641	2644	2650	rVB2	679543	903616	4.71%	0.467%
64	19.133	2675	2677	2681	rVB2	250298	256994	1.34%	0.133%
65	19.186	2683	2686	2688	rVV	183320	200366	1.04%	0.103%
66	19.222	2689	2692	2695	rVB	192946	221286	1.15%	0.114%
67	19.304	2701	2706	2711	rBV2	530593	968391	5.05%	0.500%
68	19.439	2725	2729	2736	rBV2	551145	995569	5.19%	0.514%
69	19.563	2744	2750	2755	rBV	12900895	19185986	100.00%	9.906%
70	19.651	2762	2765	2769	rVB	437612	535235	2.79%	0.276%
71	19.798	2787	2790	2798	rVB	496183	841887	4.39%	0.435%
72	19.886	2799	2805	2806	rBV3	3490411	4895937	25.52%	2.528%
73	19.916	2806	2810	2816	rVV	11425265	17274958	90.04%	8.920%
74	19.975	2817	2820	2826	rVB3	649833	927489	4.83%	0.479%
75	20.080	2835	2838	2843	rVB	707511	870589	4.54%	0.450%
76	20.145	2845	2849	2854	rVB	903421	1262228	6.58%	0.652%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : EW949

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_P\Methods\SFAM-EPA-BP050323.MA.M
Title : SVOA CALIBRATION

77	20.222	2857	2862	2868	rBV3	669457	1594451	8.31%	0.823%
78	20.275	2868	2871	2875	rBV	382270	489341	2.55%	0.253%
79	20.386	2887	2890	2895	rVB	1817706	2545652	13.27%	1.314%
80	20.486	2903	2907	2911	rBV	1583189	1989247	10.37%	1.027%
81	20.545	2914	2917	2920	rVV2	1049521	1286218	6.70%	0.664%
82	20.580	2920	2923	2926	rVB	460673	496784	2.59%	0.257%
83	20.680	2937	2940	2944	rBV	860553	1068622	5.57%	0.552%
84	20.727	2945	2948	2958	rVB2	787670	1151319	6.00%	0.594%
85	21.116	3011	3014	3020	rVB	976252	1349033	7.03%	0.697%
86	21.286	3040	3043	3045	rVV	765696	813970	4.24%	0.420%
87	21.316	3045	3048	3052	rVB2	1424671	1843682	9.61%	0.952%
88	21.363	3052	3056	3060	rBV2	1407897	1946226	10.14%	1.005%
89	21.527	3081	3084	3089	rVB	798585	938358	4.89%	0.484%
90	21.633	3097	3102	3108	rBV3	7513562	14077660	73.37%	7.269%
91	21.692	3108	3112	3121	rVB	6685330	10020667	52.23%	5.174%
92	21.821	3130	3134	3139	rBV	1596358	2187069	11.40%	1.129%
93	21.992	3159	3163	3169	rBV	1138224	1729624	9.02%	0.893%
94	23.457	3406	3412	3418	rBV	4769929	12683667	66.11%	6.549%
95	23.657	3442	3446	3453	rVB	1153592	1992752	10.39%	1.029%
96	24.027	3503	3509	3515	rBV2	3069704	6426022	33.49%	3.318%
97	24.145	3523	3529	3537	rVB	5125485	10648769	55.50%	5.498%
98	24.257	3544	3548	3553	rVV2	1021711	1919836	10.01%	0.991%
99	24.315	3554	3558	3567	rVB	1641844	3550567	18.51%	1.833%
100	27.027	4012	4019	4033	rVB2	2657453	8996451	46.89%	4.645%

Sum of corrected areas: 193675936

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
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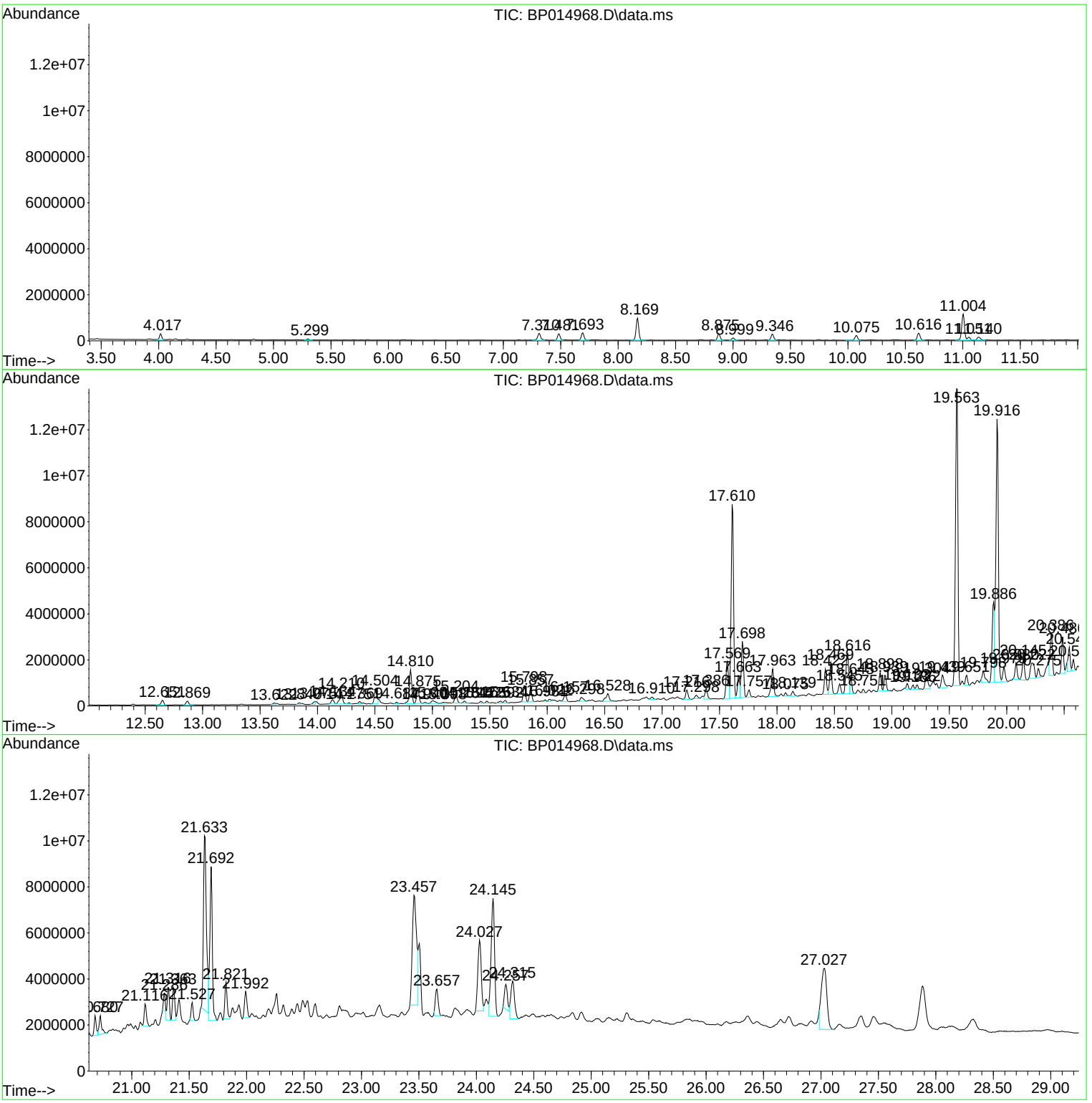
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

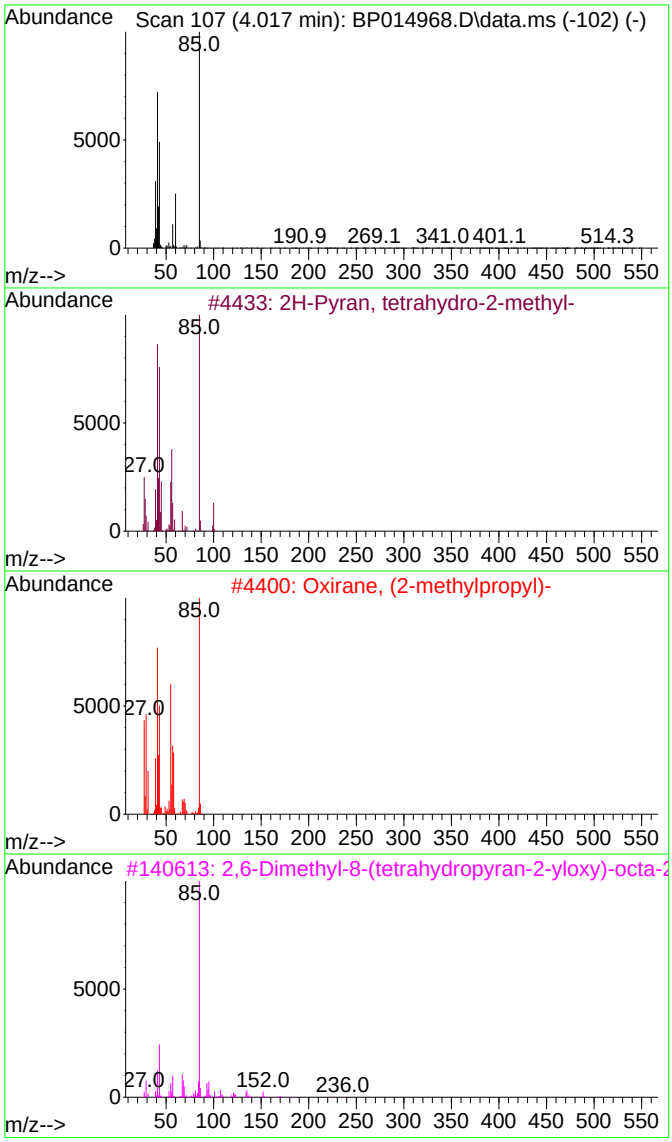
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

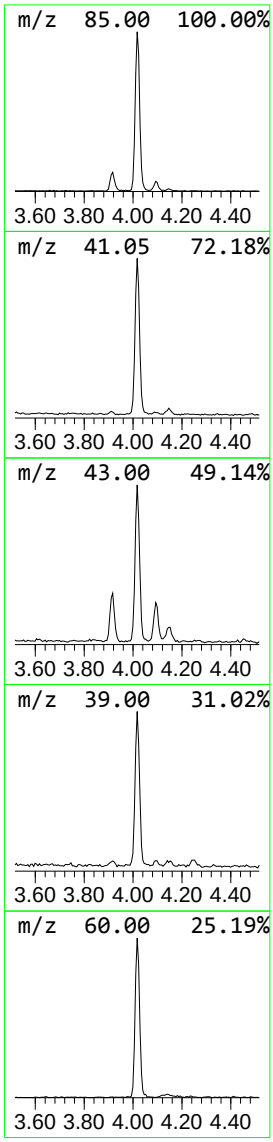
****

Peak Number 1 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.017	4.23 ng/ul	319540	1,4-Dichlorobenzene-d4	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
2	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	36
3	2,6-Dimethyl-8-(tetrahydropyran-...	254	C15H26O3	038290-53-8	9
4	2,7-Dimethyl-2,6-octadien-4-ol	154	C10H18O	037665-99-9	9
5	Methacrylamide	85	C4H7NO	000079-39-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
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Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

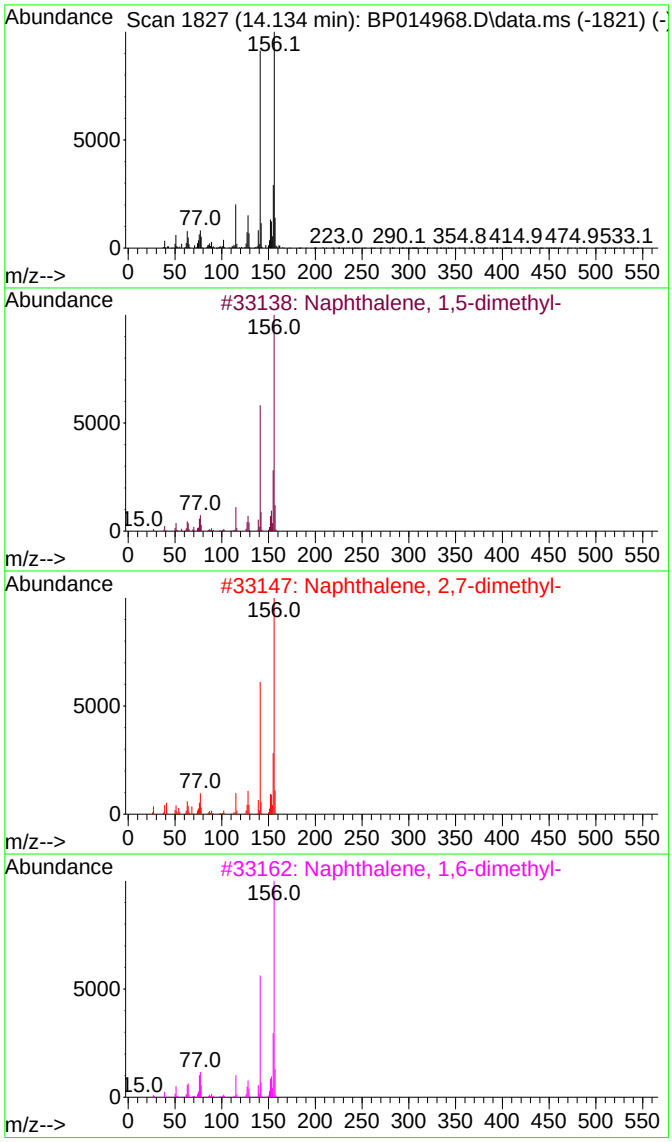
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

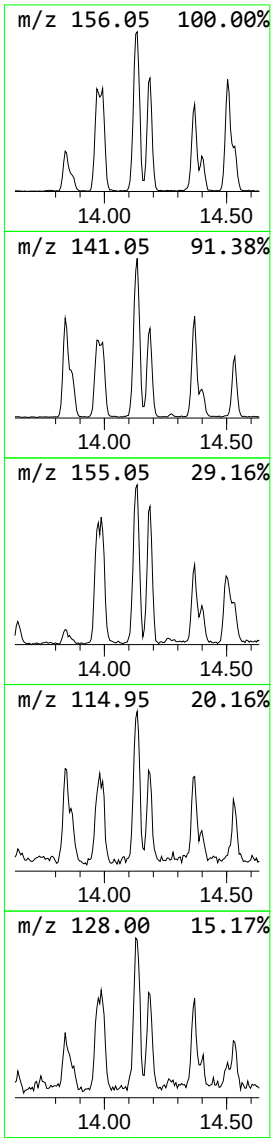
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.134	2.81 ng/ul	313518	Acenaphthene-d10	14.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

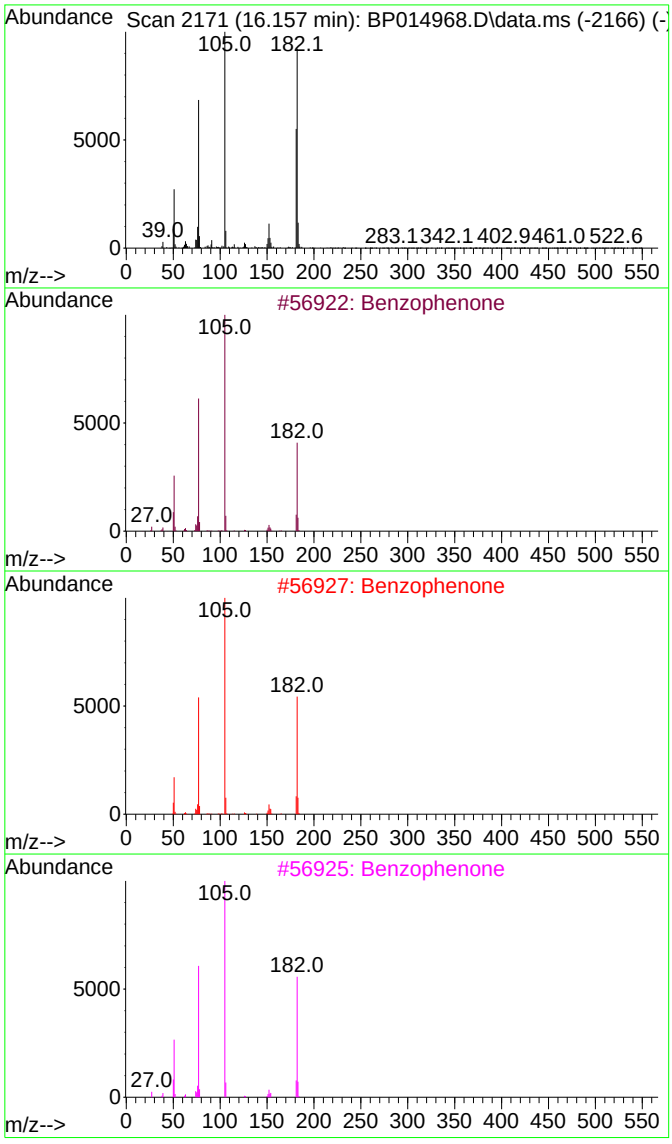
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

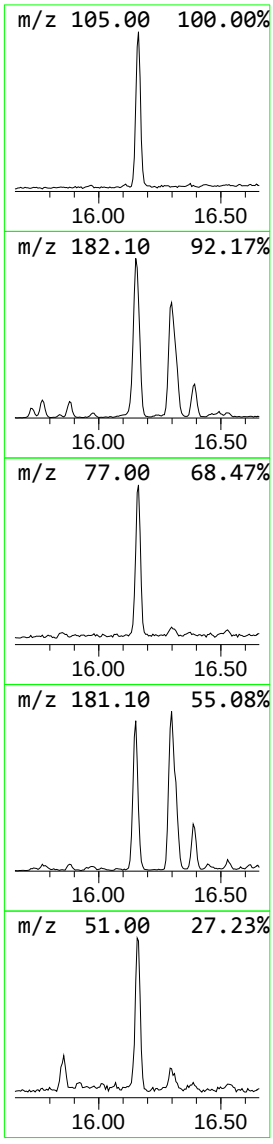
****

Peak Number 3 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	4.36 ng/ul	485876	Acenaphthene-d10	14.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Benzophenone	182	C13H10O	000119-61-9	91
3	Benzophenone	182	C13H10O	000119-61-9	81
4	Benzophenone	182	C13H10O	000119-61-9	74
5	Benzophenone	182	C13H10O	000119-61-9	68





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Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EW949

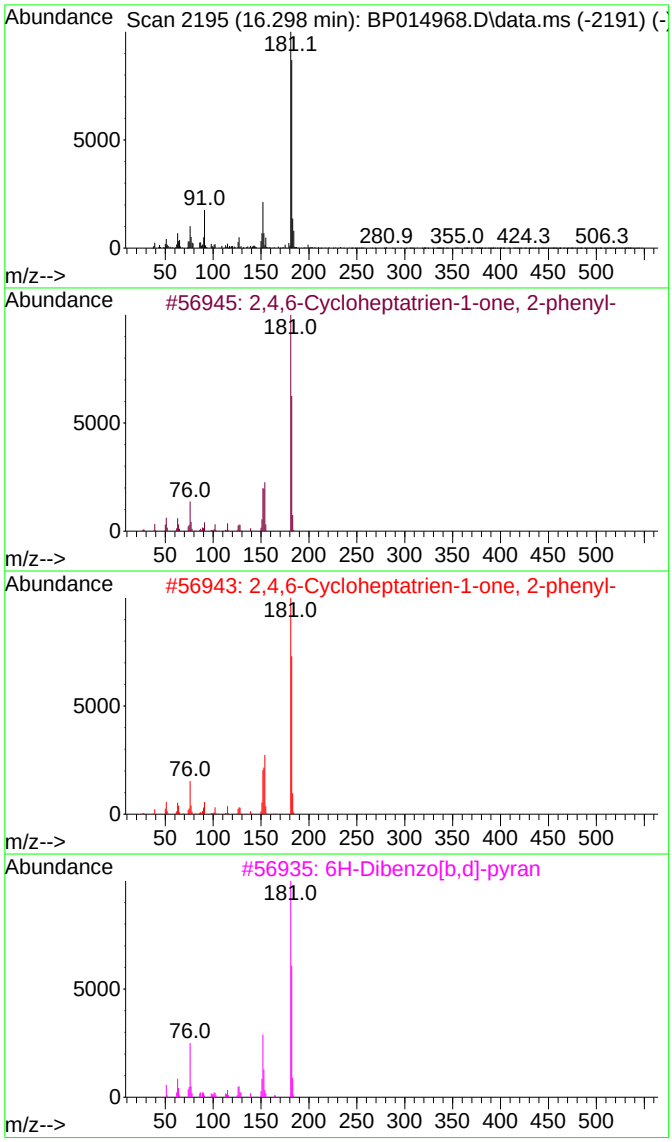
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

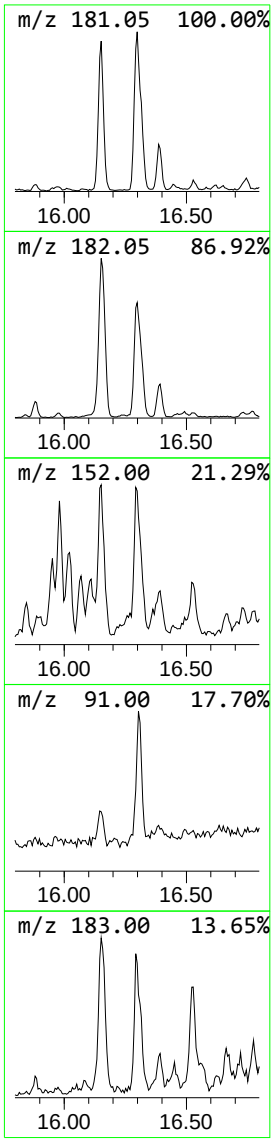
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.298	2.45 ng/ul	312852	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

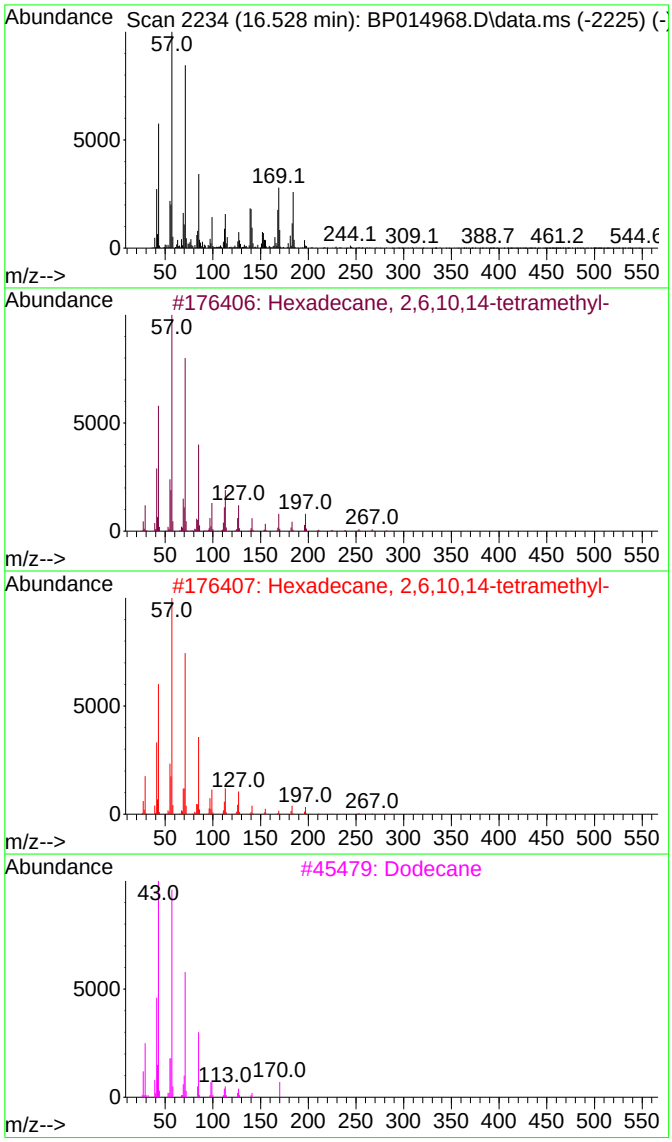
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

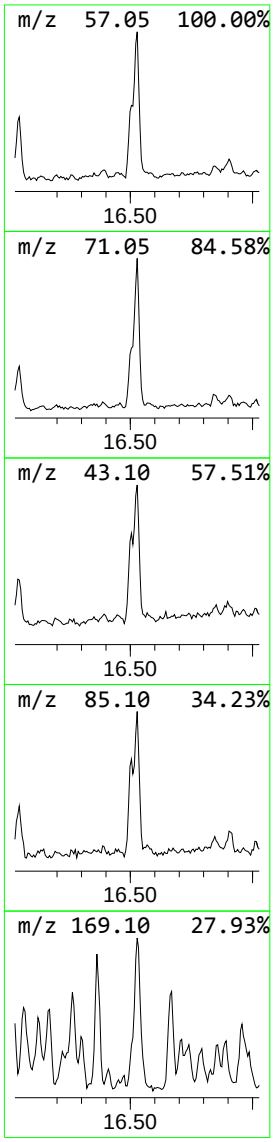
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.528	5.57 ng/ul	710641	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	60
3	Dodecane	170	C12H26	000112-40-3	55
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
5	Decane, 2-methyl-	156	C11H24	006975-98-0	50





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Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

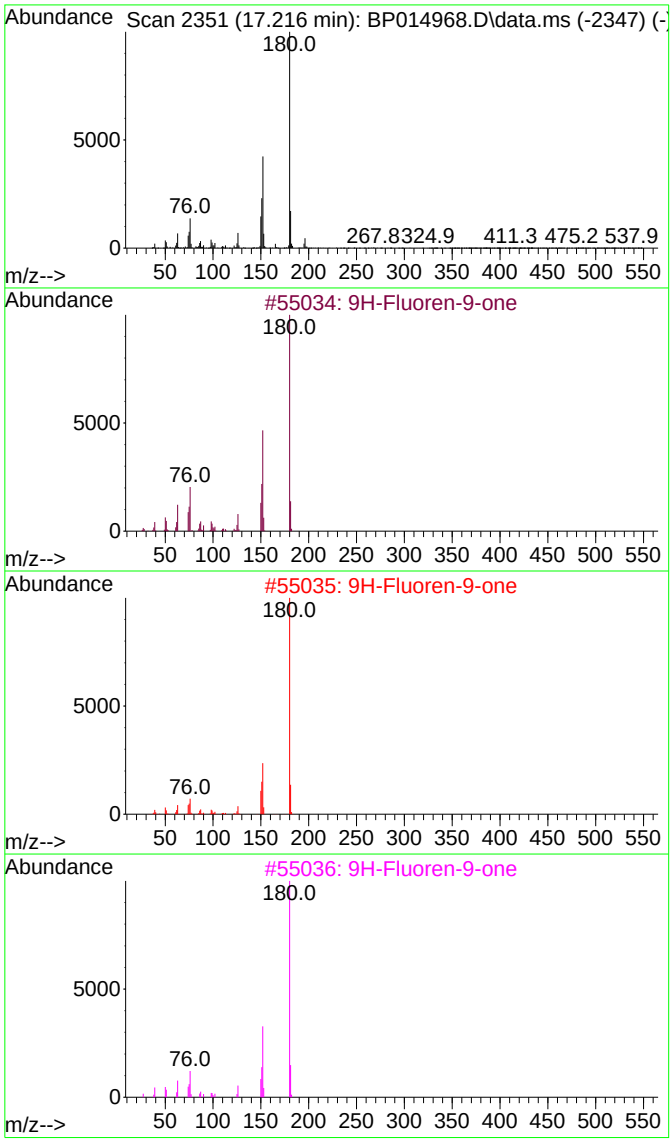
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

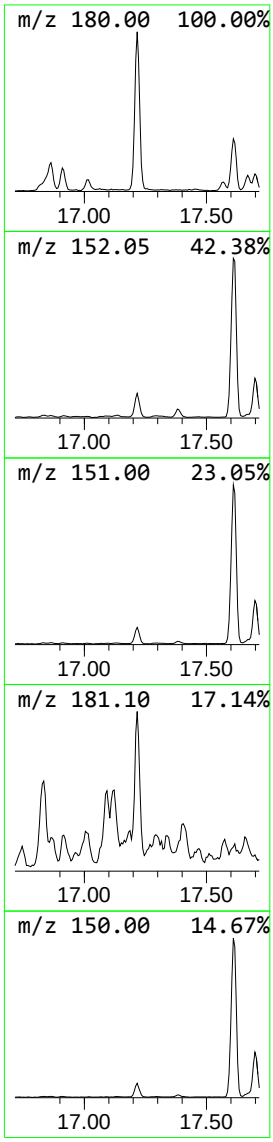
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.216	4.44 ng/ul	566537	Phenanthrene-d10	17.569

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91





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Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

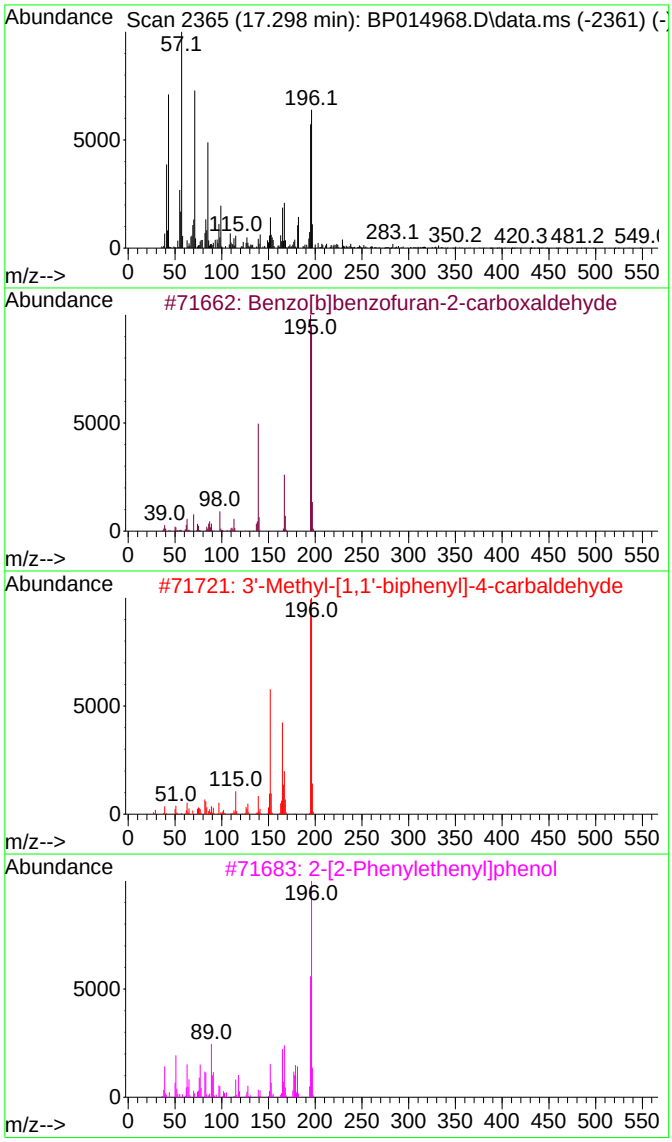
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

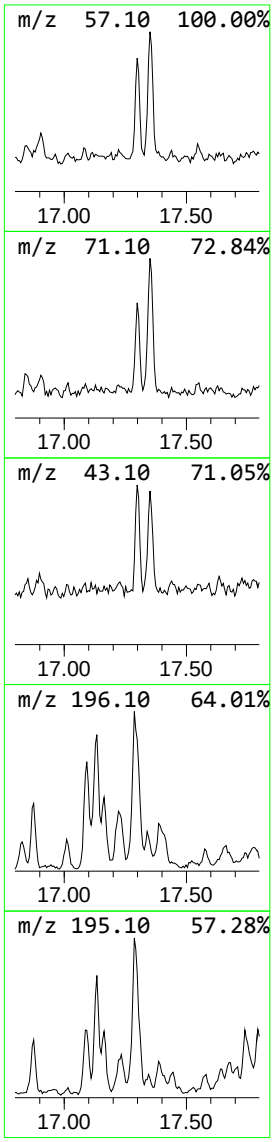
****

Peak Number 7 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.298	2.01 ng/ul	256646	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	42
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	38
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	38
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	38
5	3-tert.Butyldimethylsilyloxy-4-m...	268	C14H24O3Si	1000461-63-6	38





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ClientSampleId :
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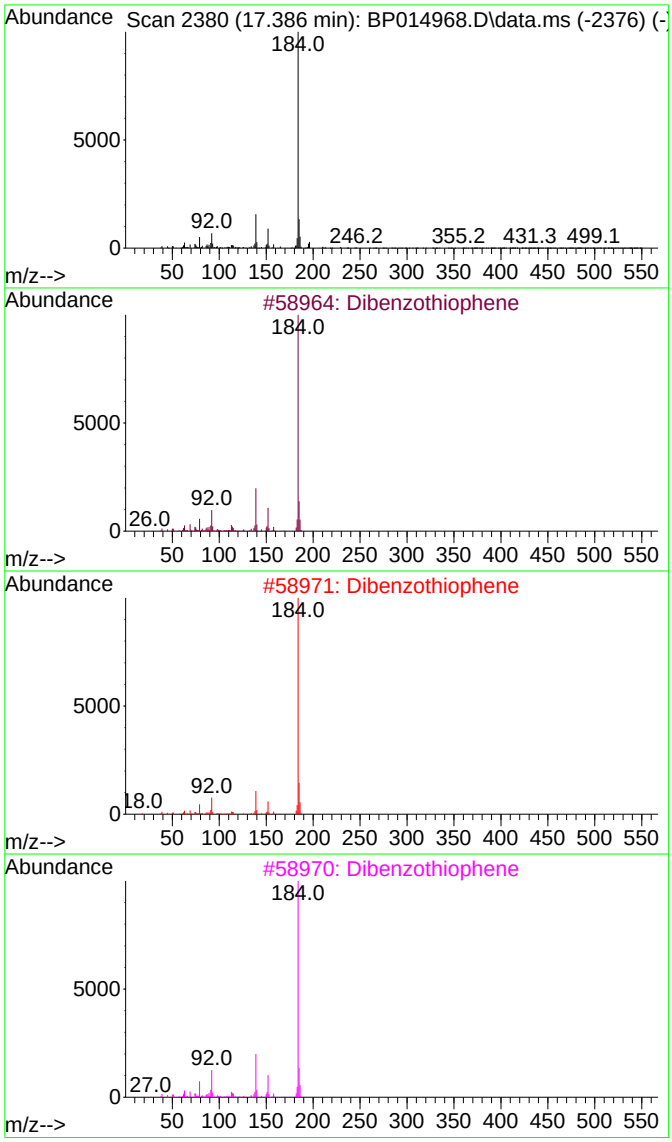
Quant Title : SVOA CALIBRATION

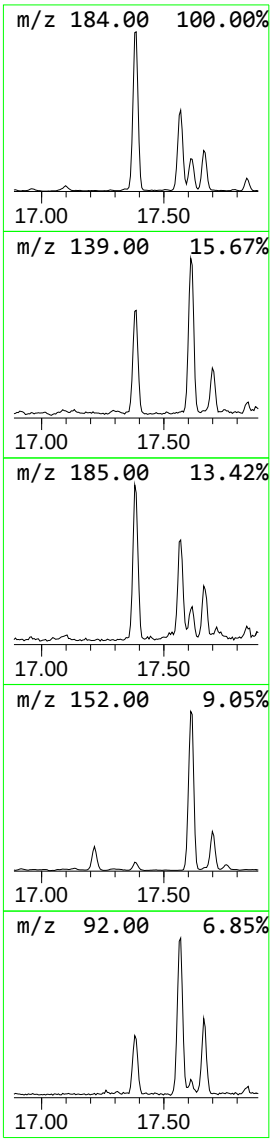
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.386	5.26 ng/ul	671032	Phenanthrene-d10	17.569

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[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

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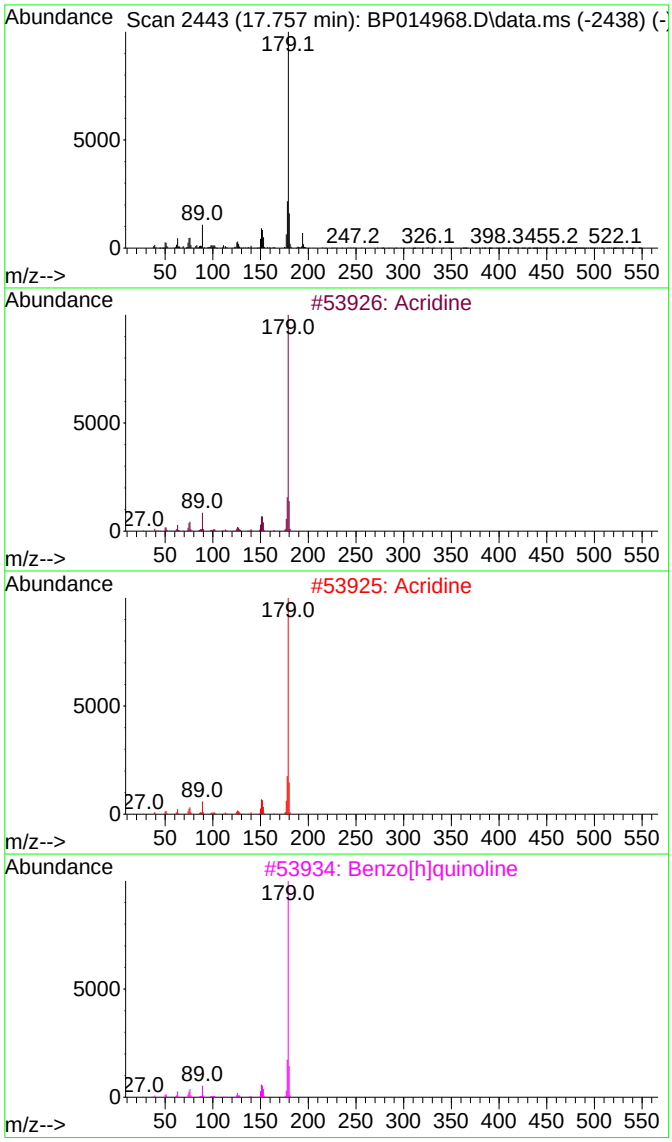
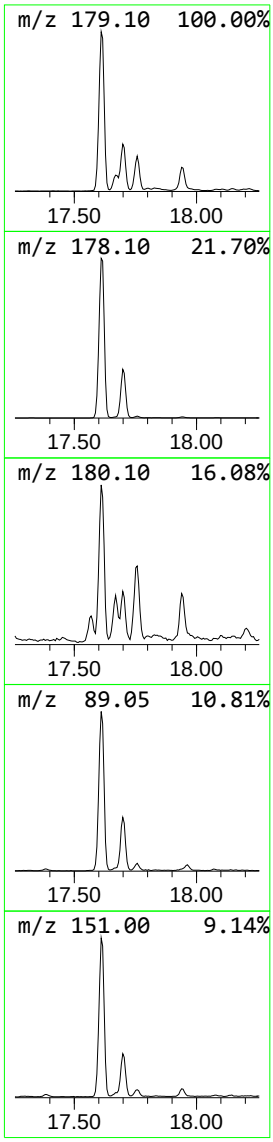
Peak Number 9 Acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.757	3.49 ng/ul	445000	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Acridine	179	C13H9N	000260-94-6	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	95
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
5	Acridine	179	C13H9N	000260-94-6	91





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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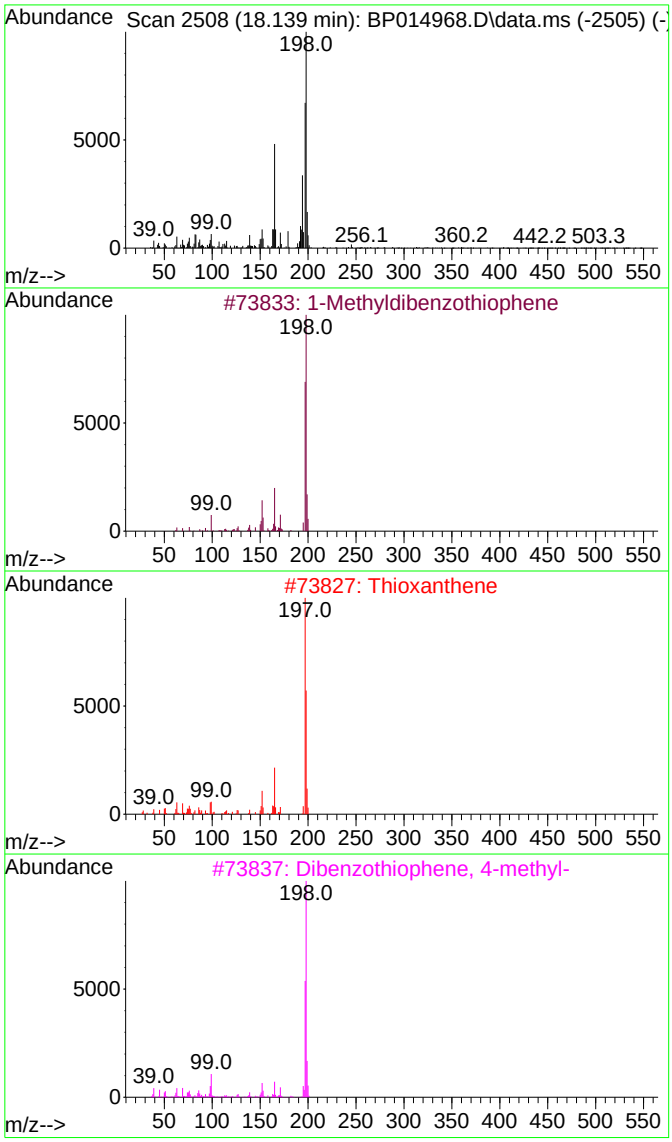
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

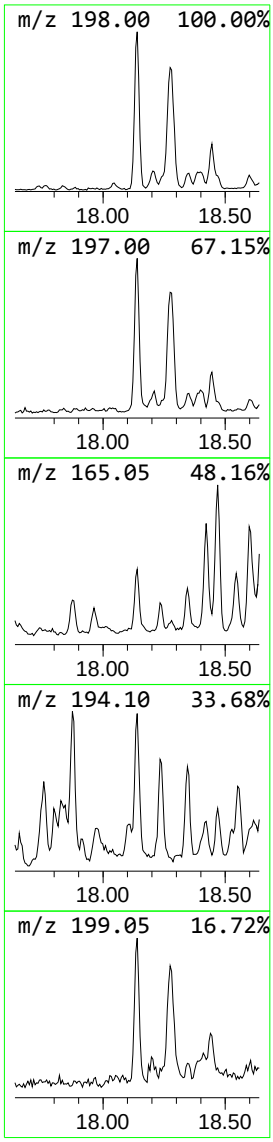
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Methyldibenzothiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	2.41 ng/ul	308016	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	62
2	Thioxanthene	198	C13H10S	000261-31-4	58
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	58
5	Methanethione, diphenyl-	198	C13H10S	001450-31-3	53





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Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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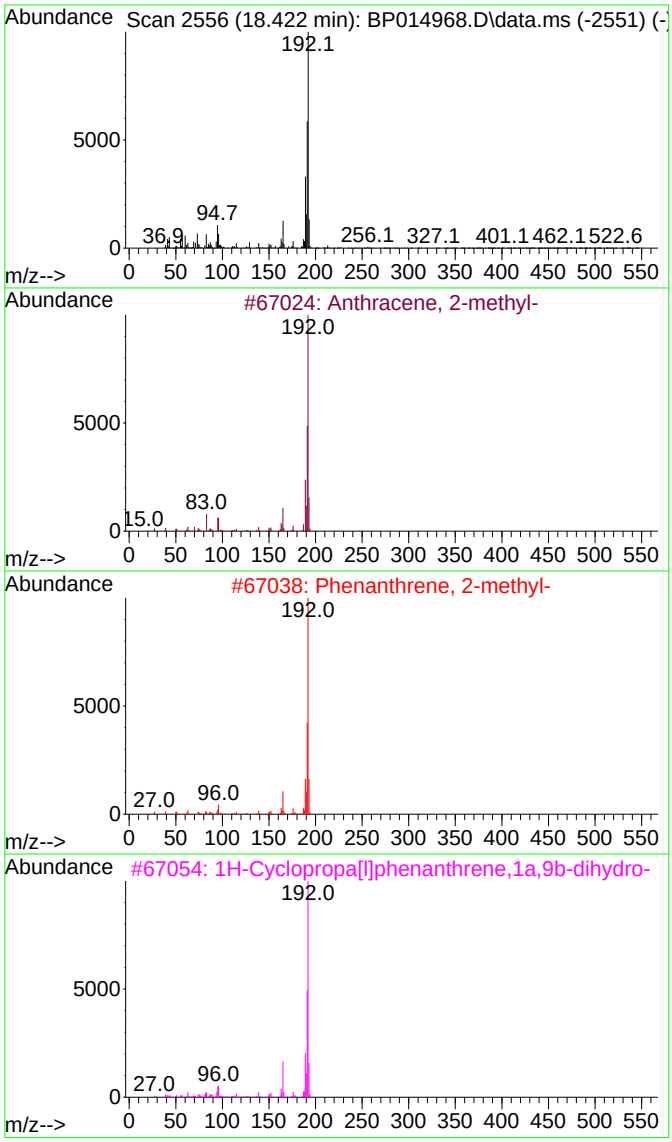
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

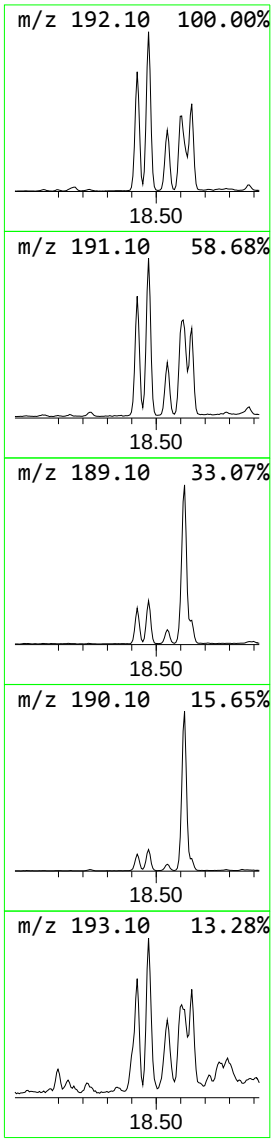
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	11.75 ng/ul	1500040	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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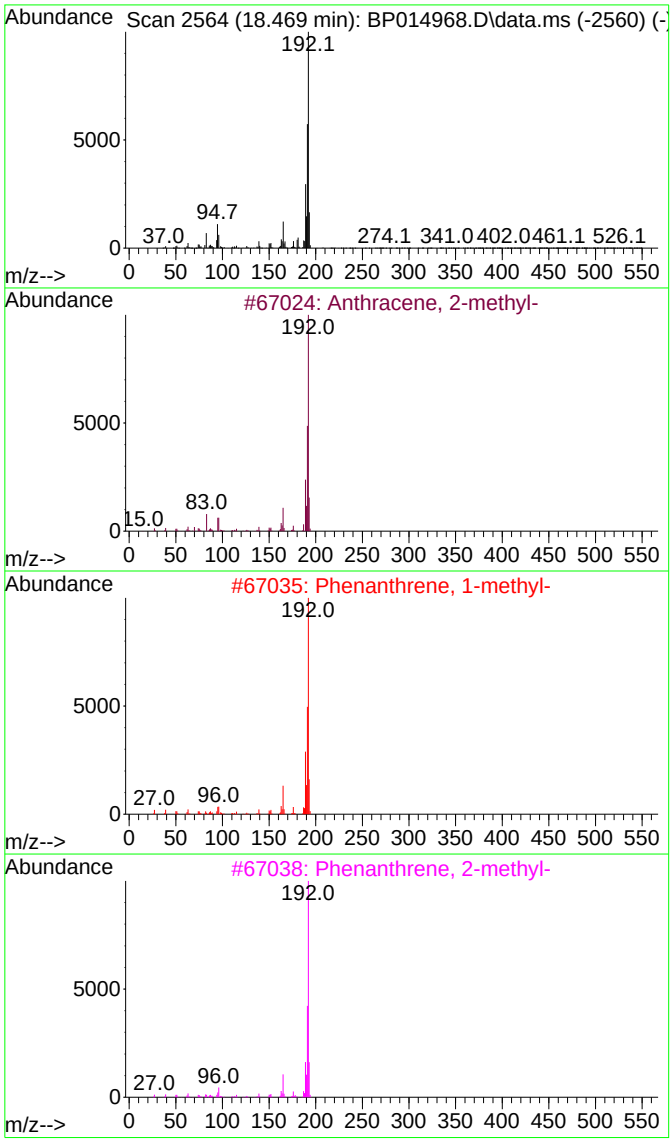
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

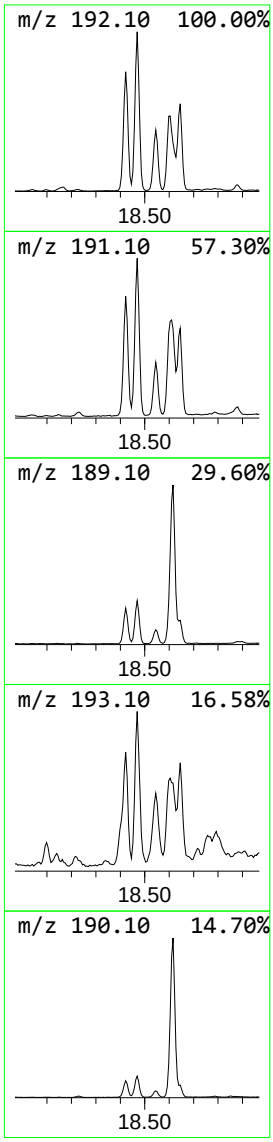
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.469	13.76 ng/ul	1755890	Phenanthrene-d10	17.569

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





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ALS Vial : 27 Sample Multiplier: 1

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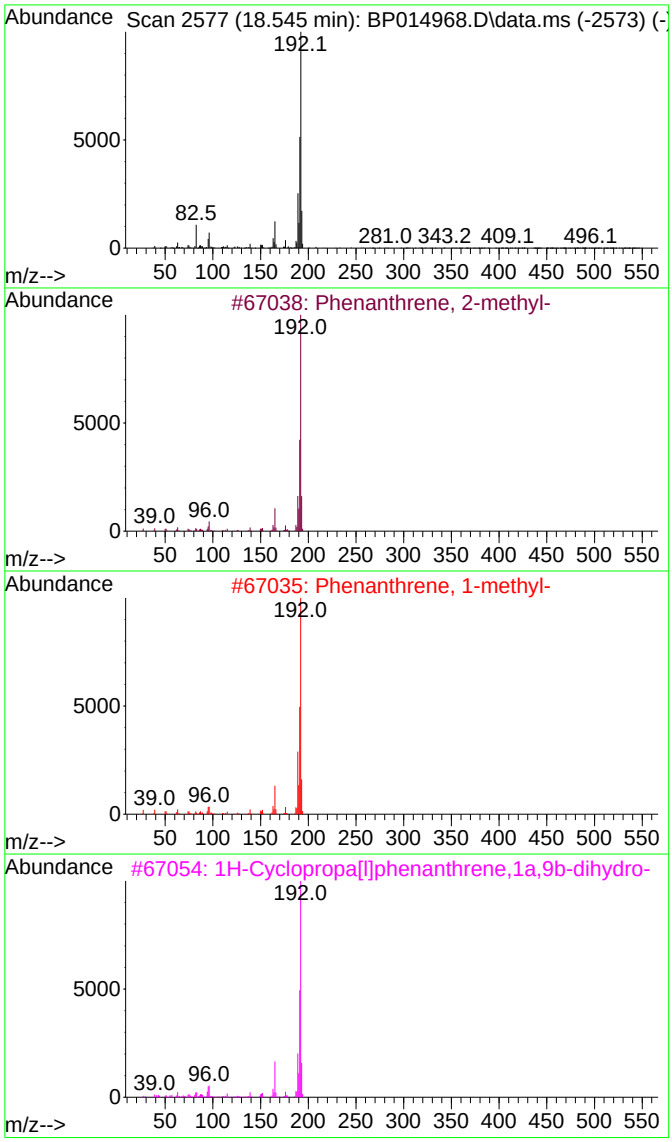
Quant Title : SVOA CALIBRATION

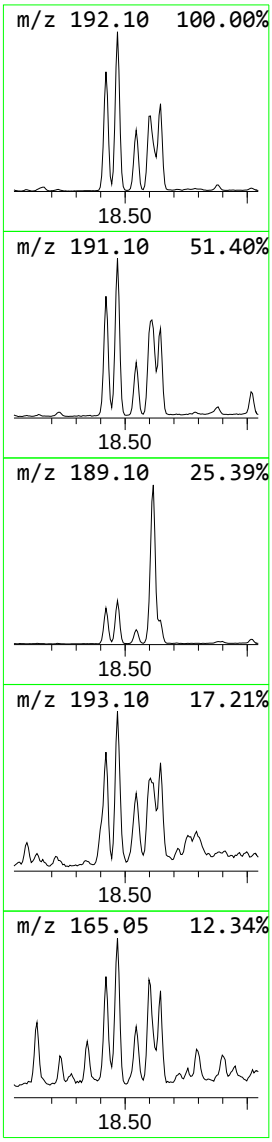
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.545	4.71 ng/ul	601843	Phenanthrene-d10	17.569

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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ALS Vial : 27 Sample Multiplier: 1

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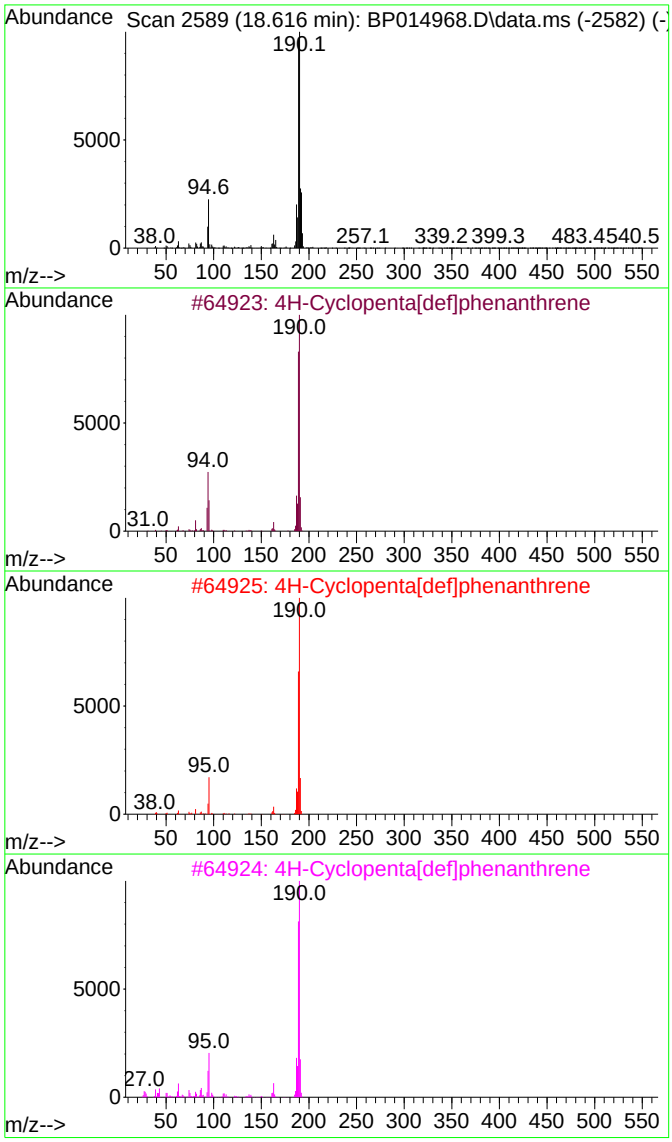
Quant Title : SVOA CALIBRATION

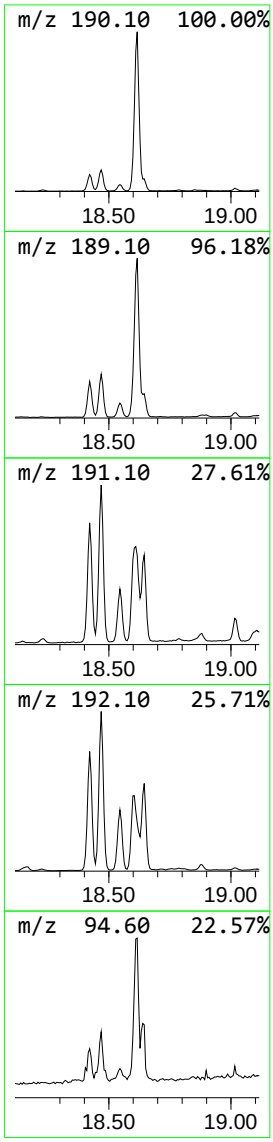
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	23.27 ng/ul	2970510	Phenanthrene-d10	17.569

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	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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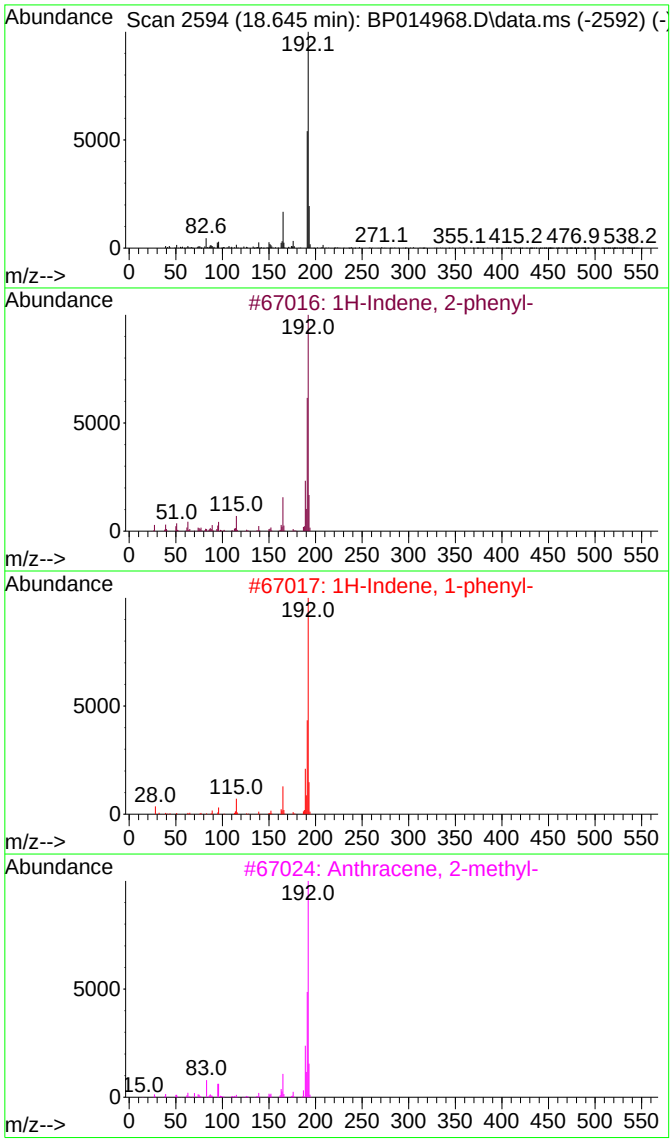
Quant Title : SVOA CALIBRATION

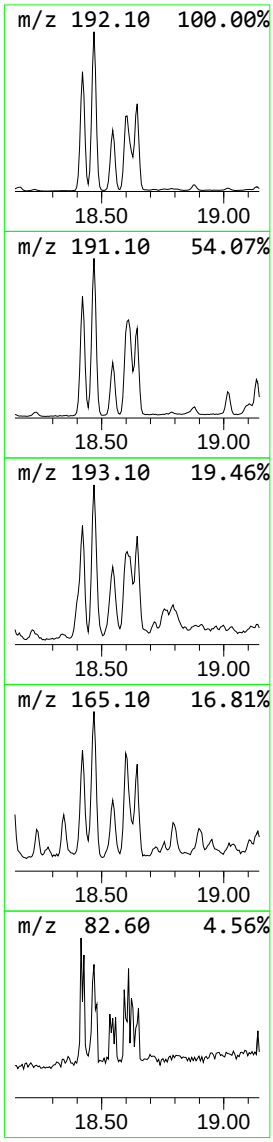
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.645	5.50 ng/ul	702183	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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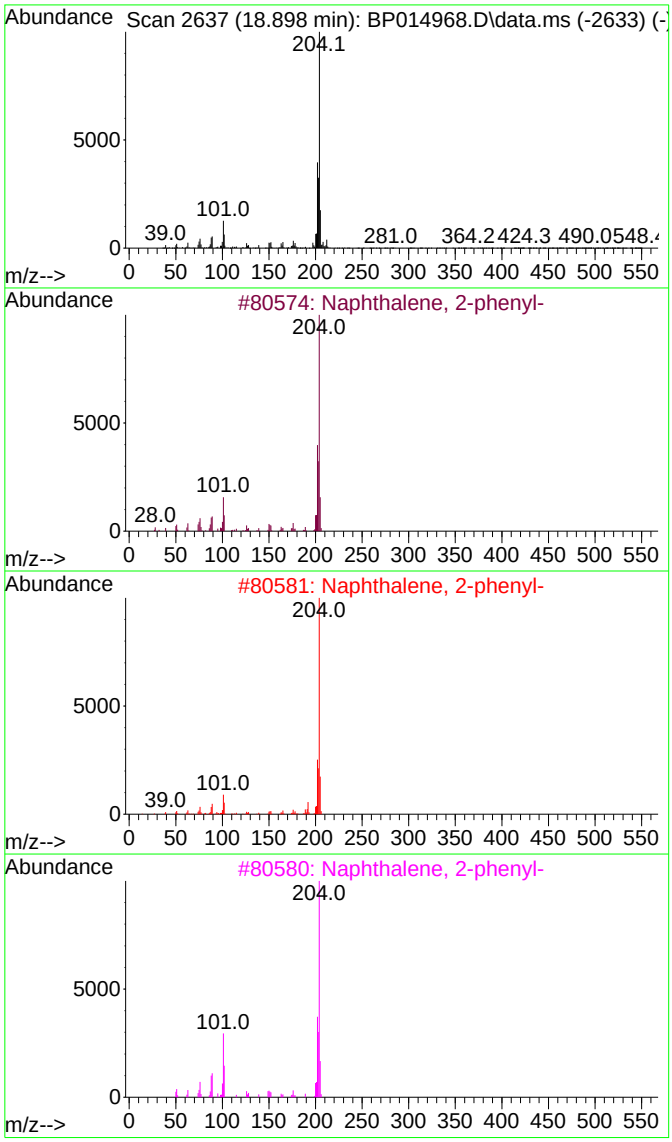
Quant Title : SVOA CALIBRATION

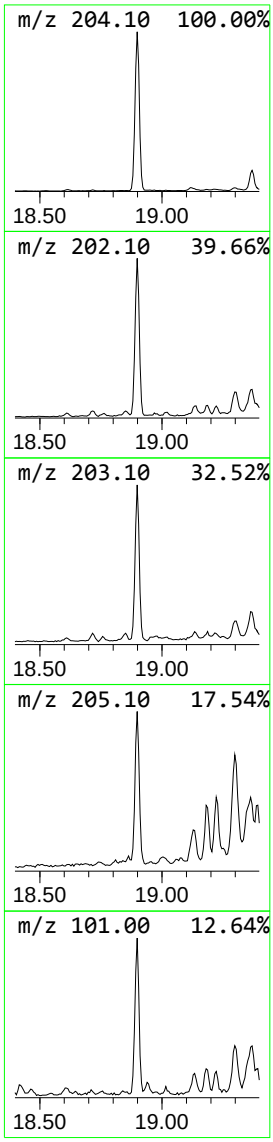
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.898	7.73 ng/ul	986823	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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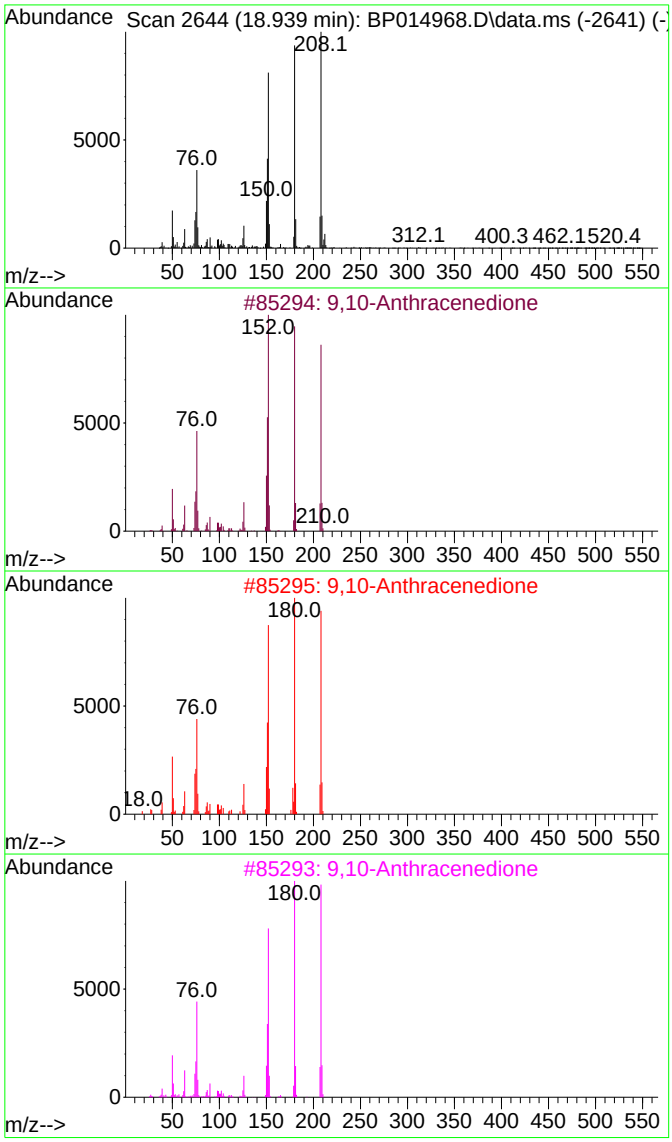
Quant Title : SVOA CALIBRATION

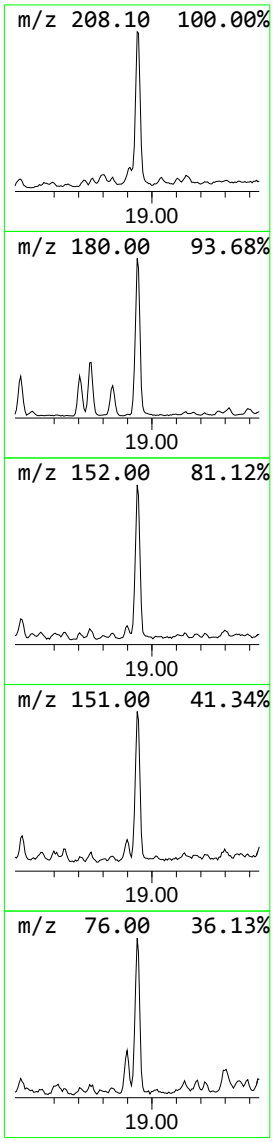
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	7.08 ng/ul	903616	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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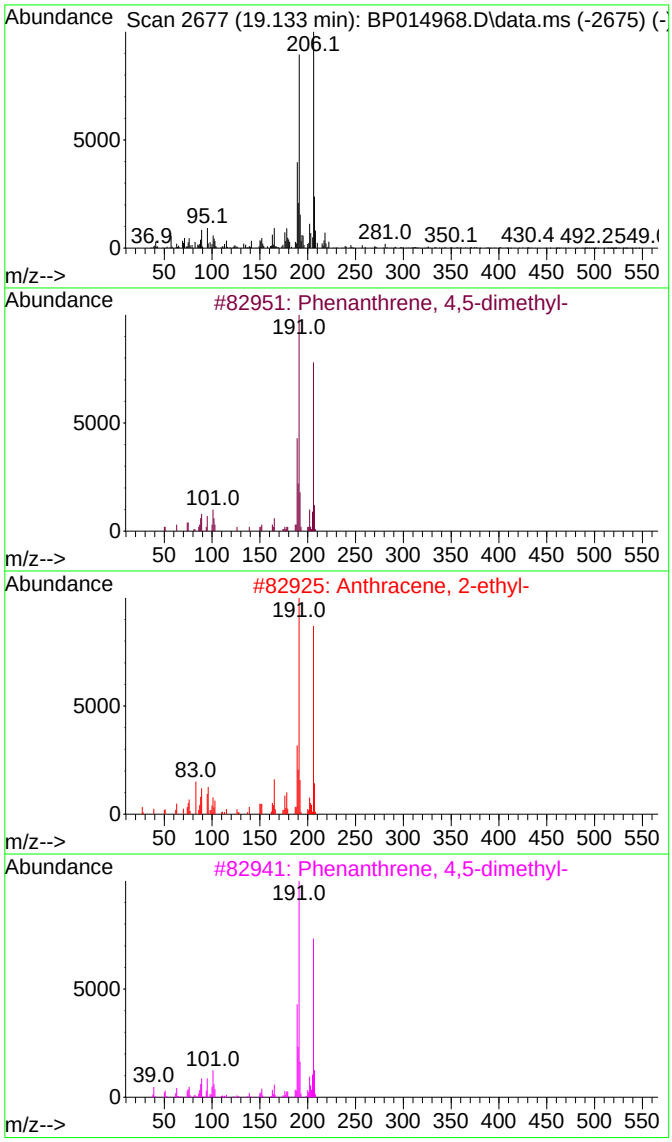
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

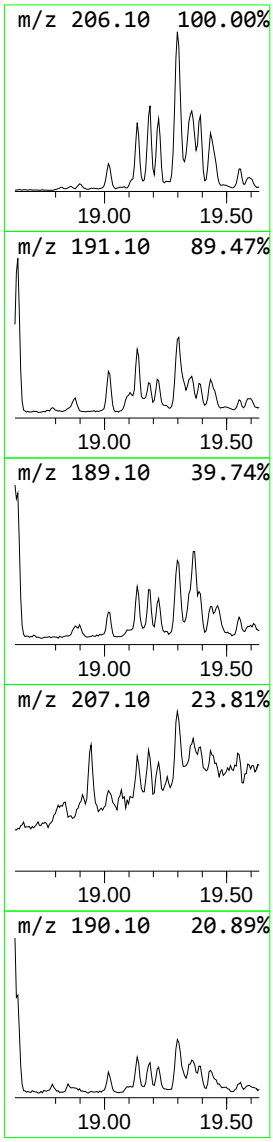
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.133	2.01 ng/ul	256994	Phenanthrene-d10	17.569

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	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81





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Sample : 02479-08
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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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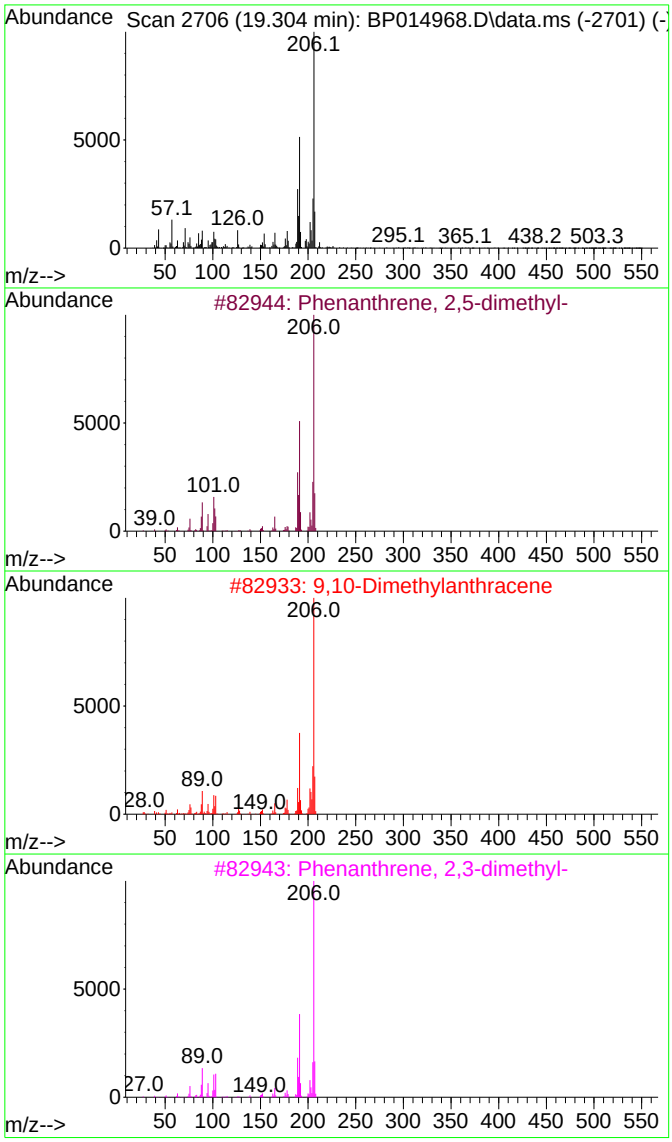
Quant Title : SVOA CALIBRATION

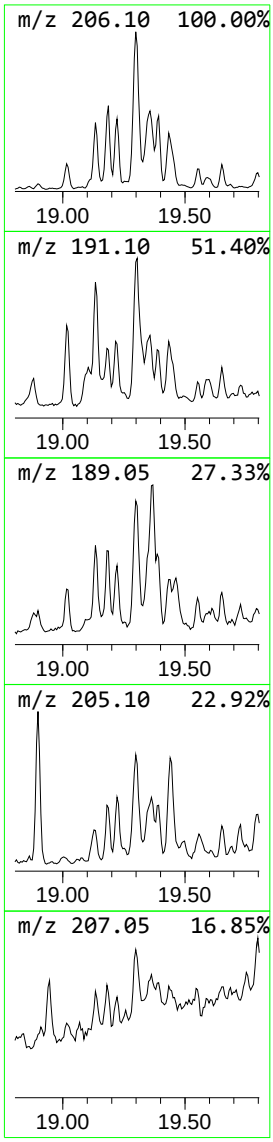
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	7.59 ng/ul	968391	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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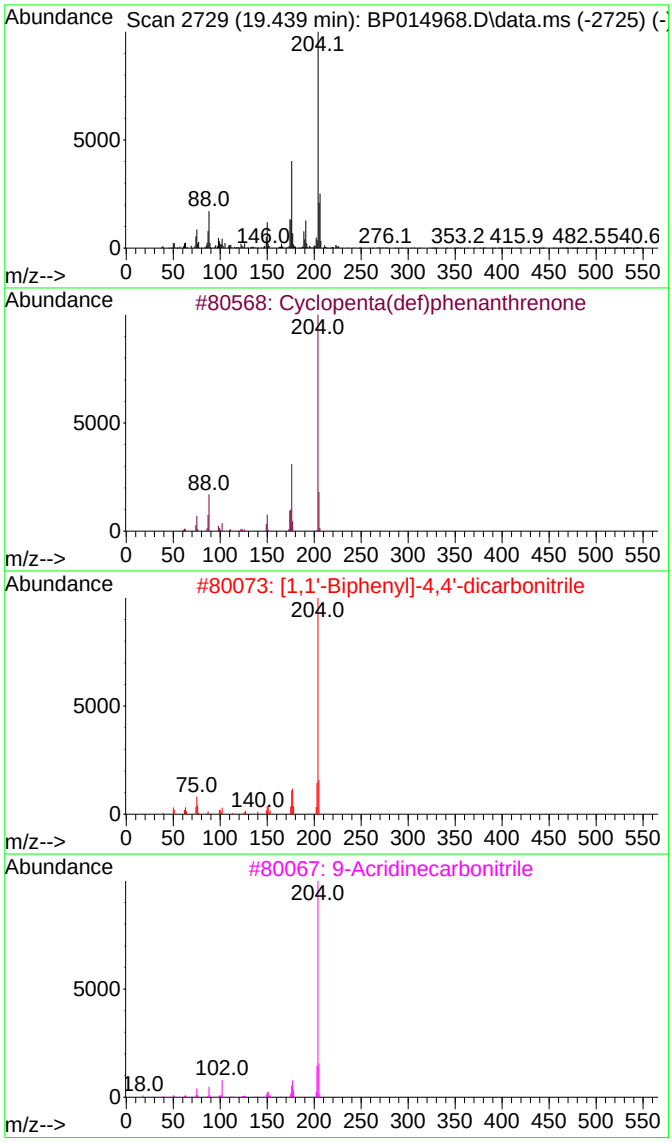
Quant Title : SVOA CALIBRATION

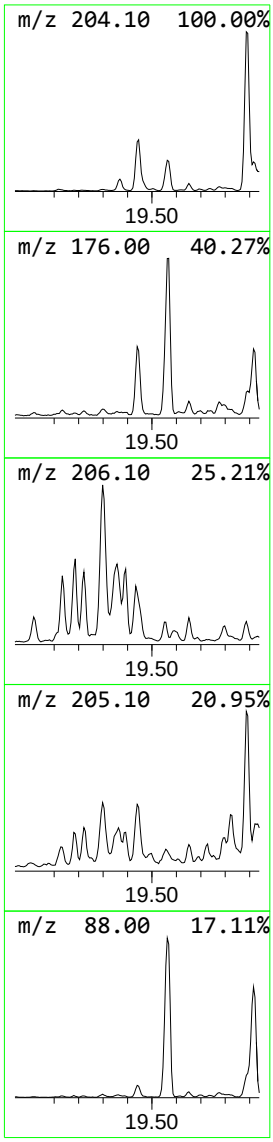
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.439	7.80 ng/ul	995569	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43





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Sample : 02479-08
Misc :
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Instrument :
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ClientSampleId :
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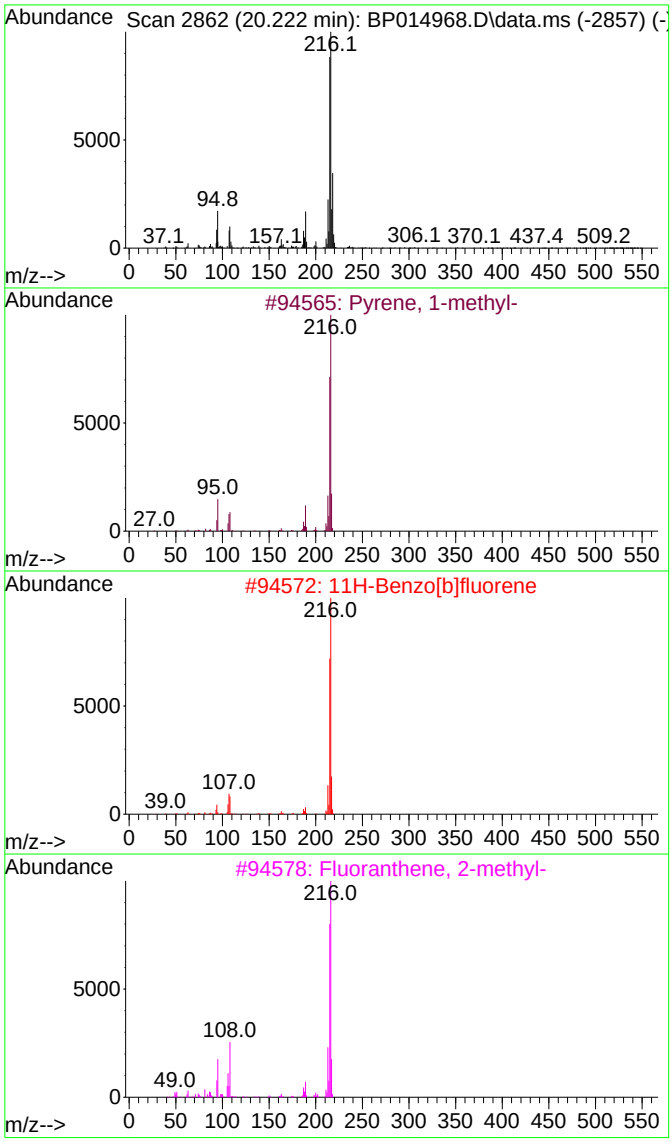
Quant Title : SVOA CALIBRATION

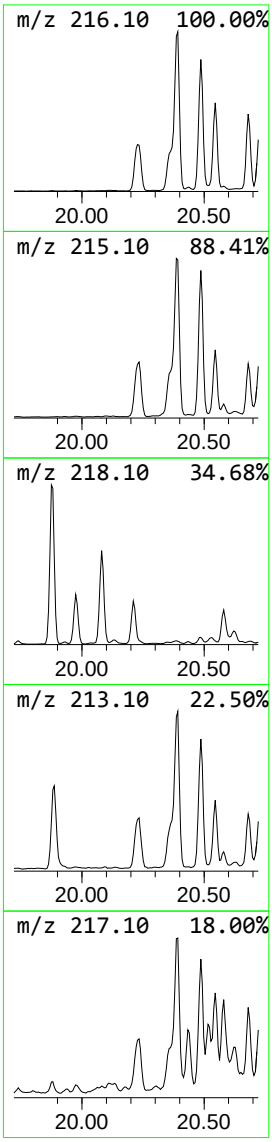
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.222	2.27 ng/ul	1594450	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





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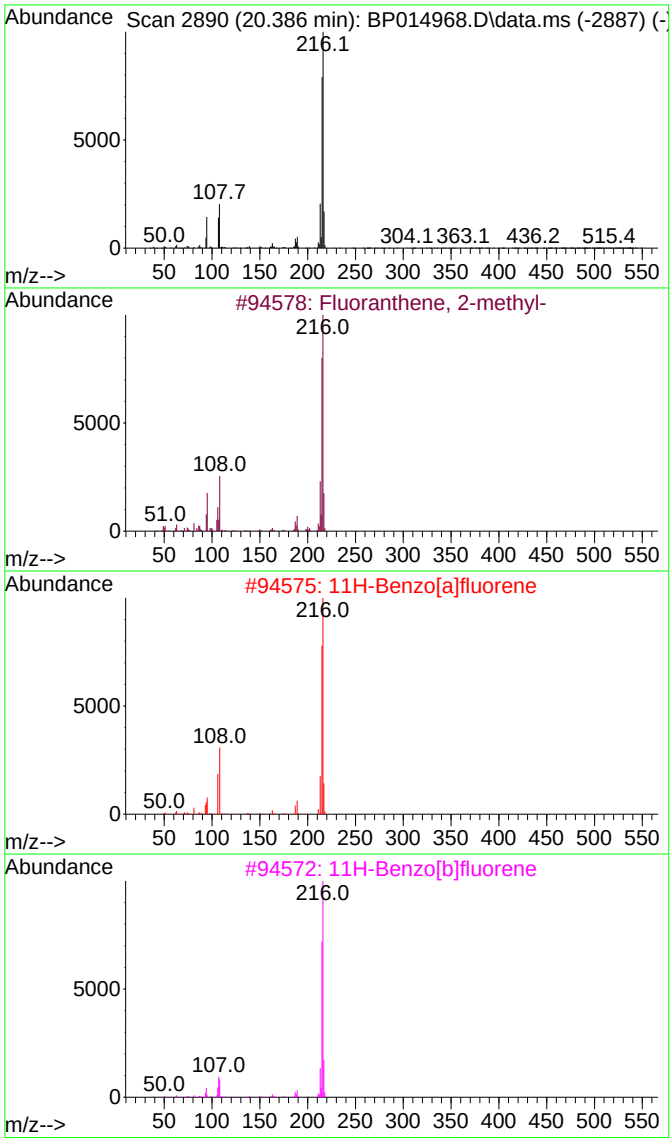
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

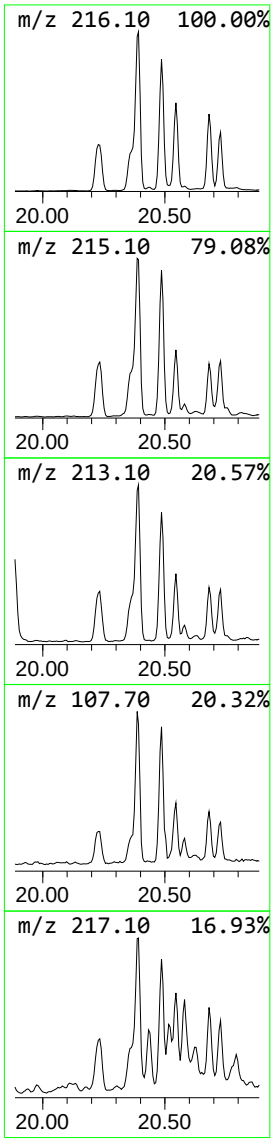
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.386	3.62 ng/ul	2545650	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
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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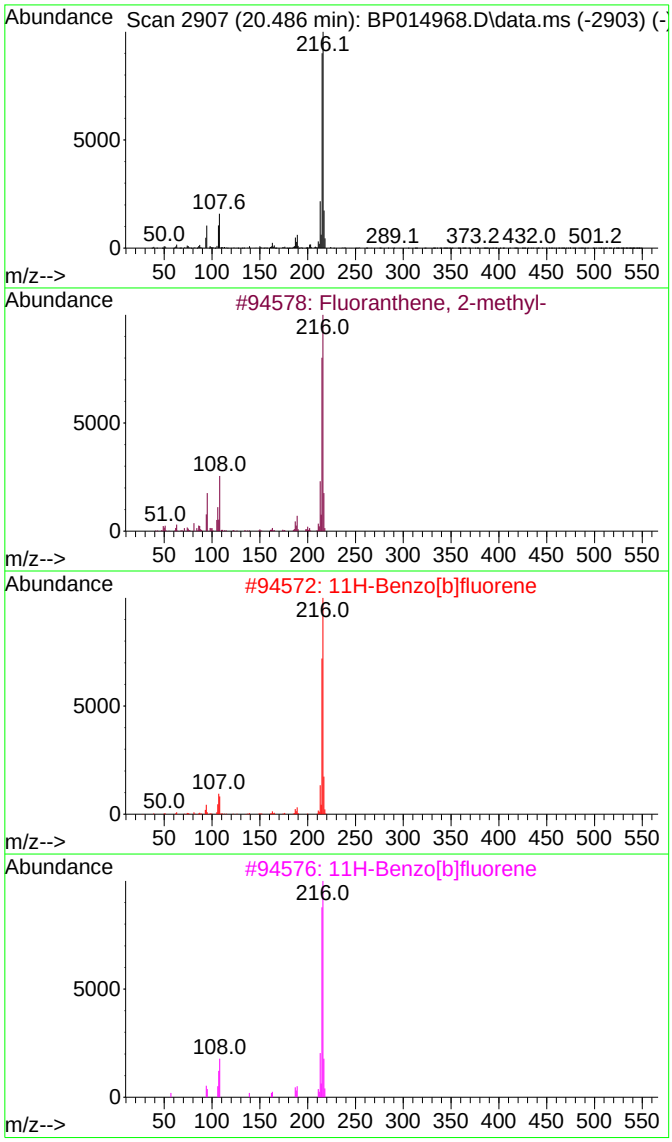
Quant Title : SVOA CALIBRATION

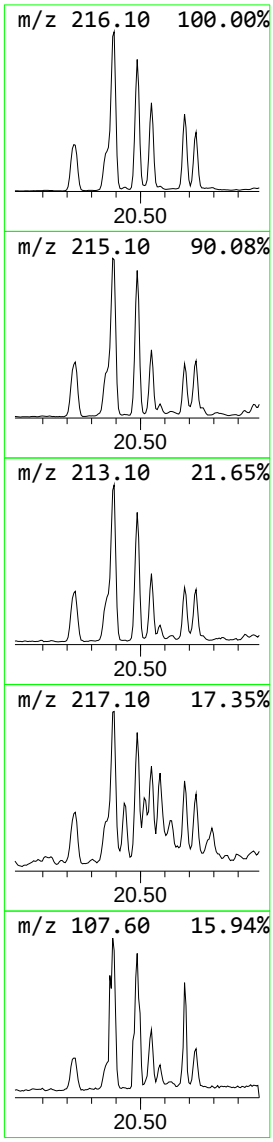
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.486	2.83 ng/ul	1989250	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Instrument :
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ClientSampleId :
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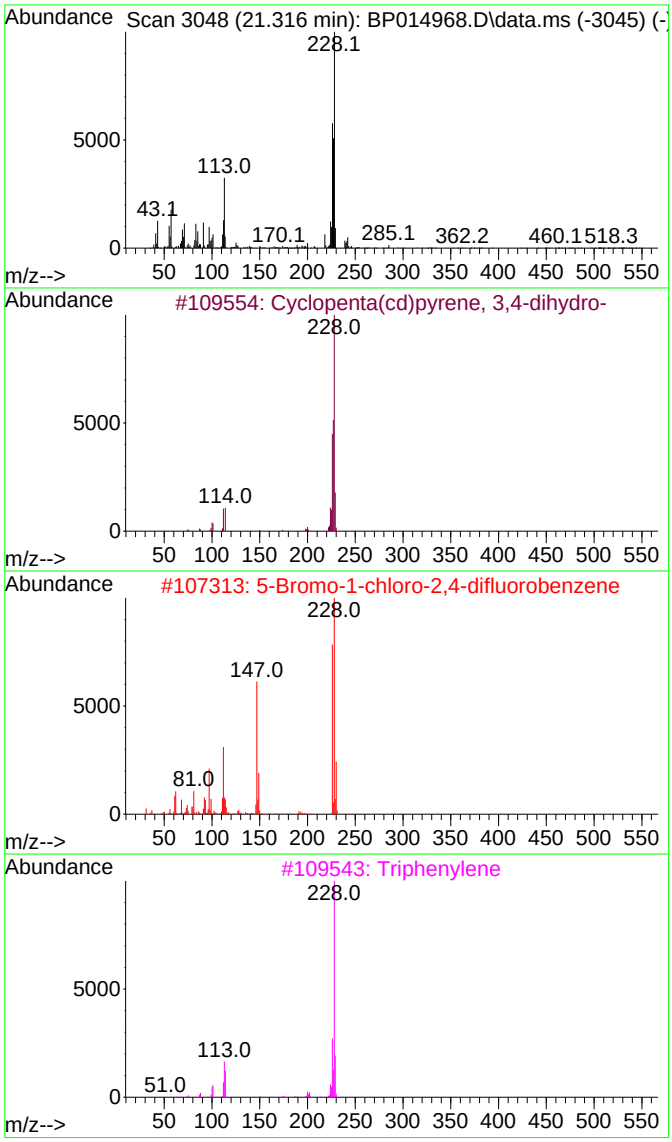
Quant Title : SVOA CALIBRATION

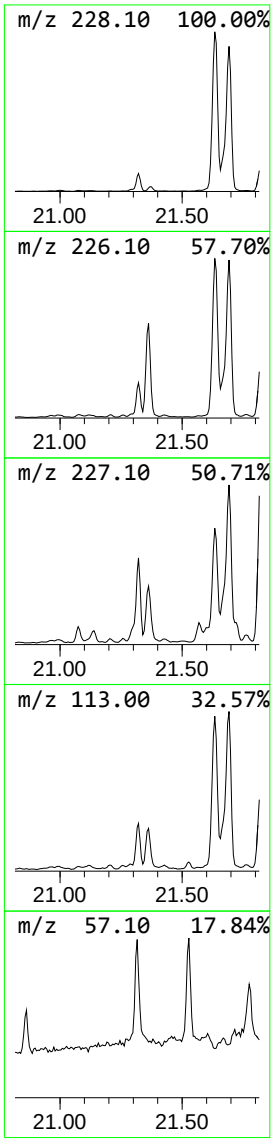
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.316	2.62 ng/ul	1843680	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	50
3	Triphenylene	228	C18H12	000217-59-4	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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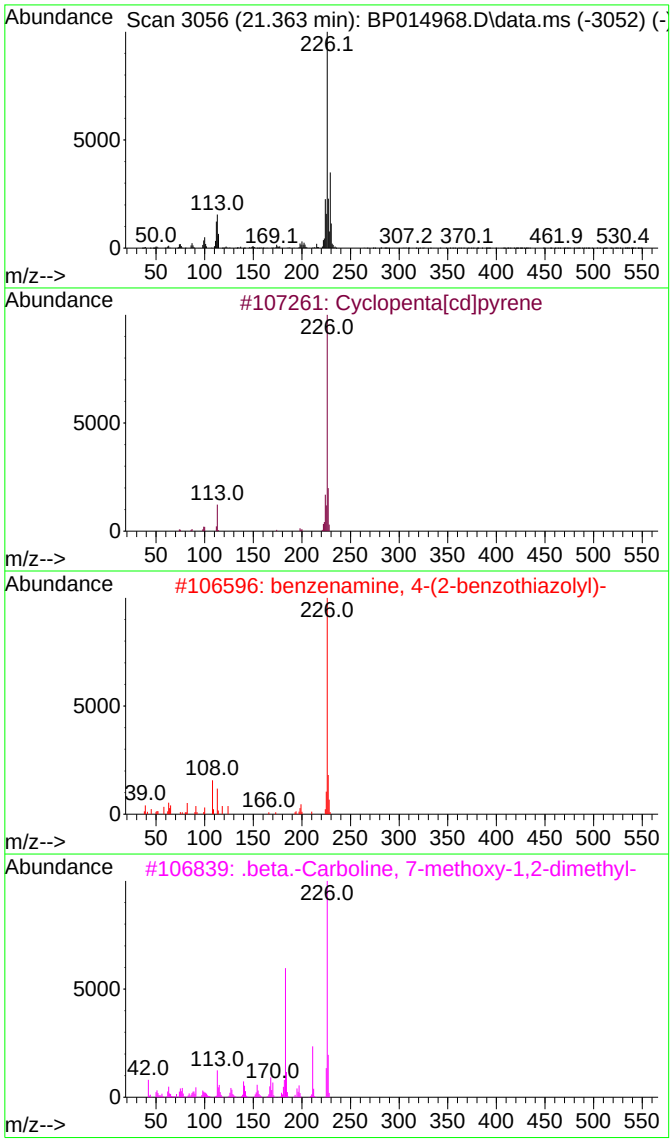
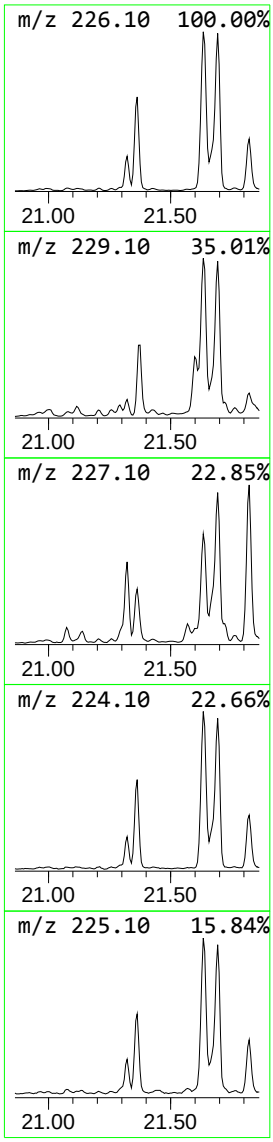
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.363	2.76 ng/ul	1946230	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	50
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	46
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	43





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ClientSampleId :
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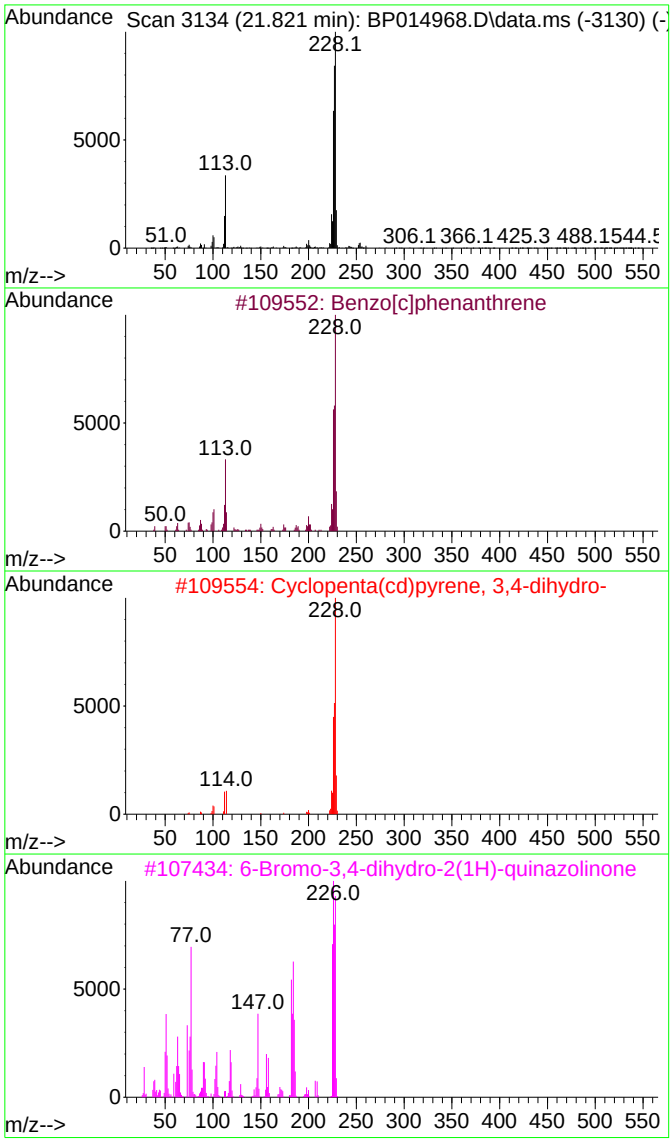
Quant Title : SVOA CALIBRATION

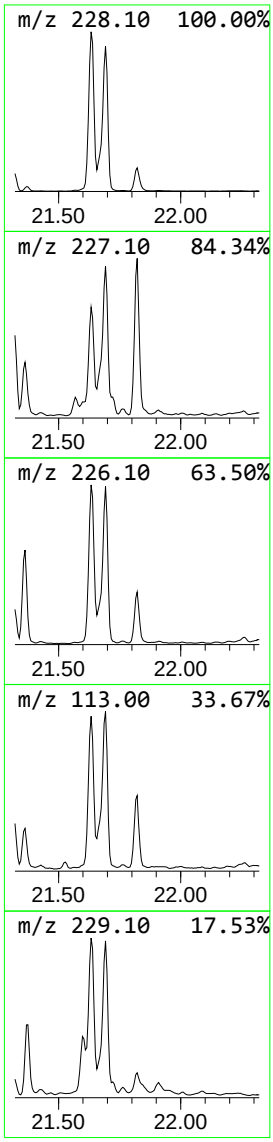
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.822	3.11 ng/ul	2187070	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	74
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
3	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	59
4	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50





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Quant Title : SVOA CALIBRATION

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

****
Peak Number 27 Benzo(b)carbazole Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.992	2.46 ng/ul	1729620	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
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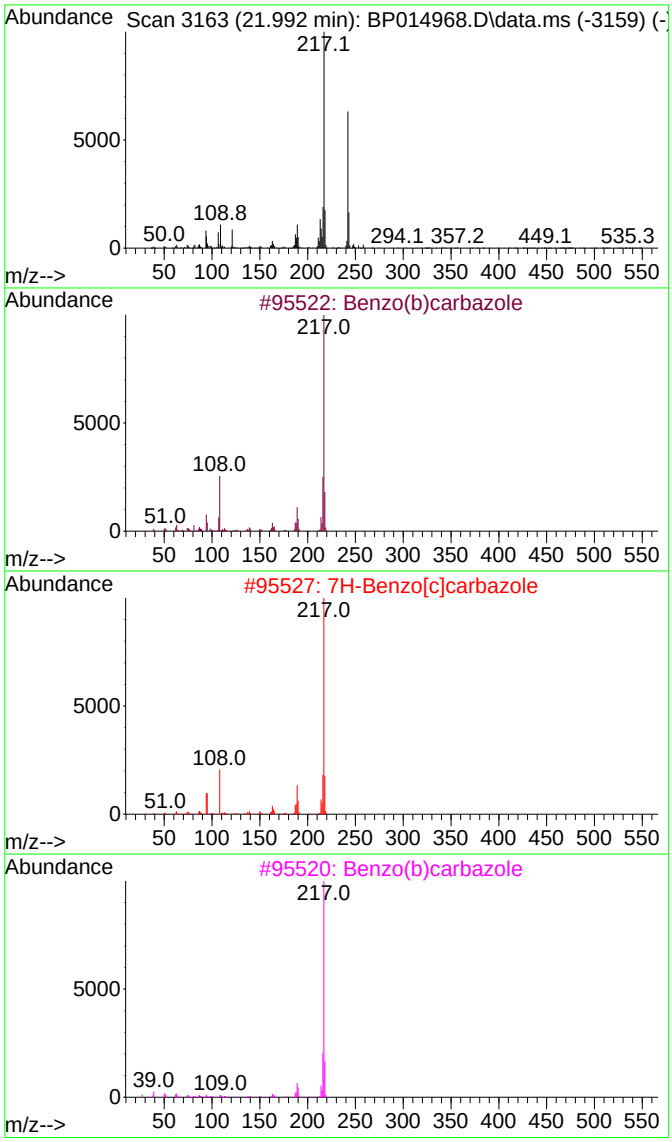

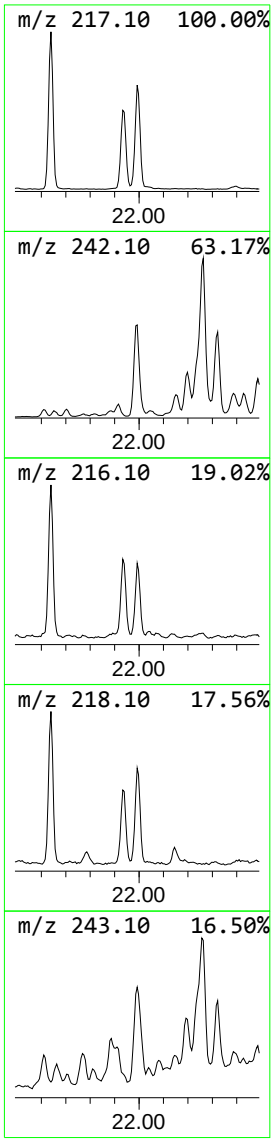

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Quant Title : SVOA CALIBRATION

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

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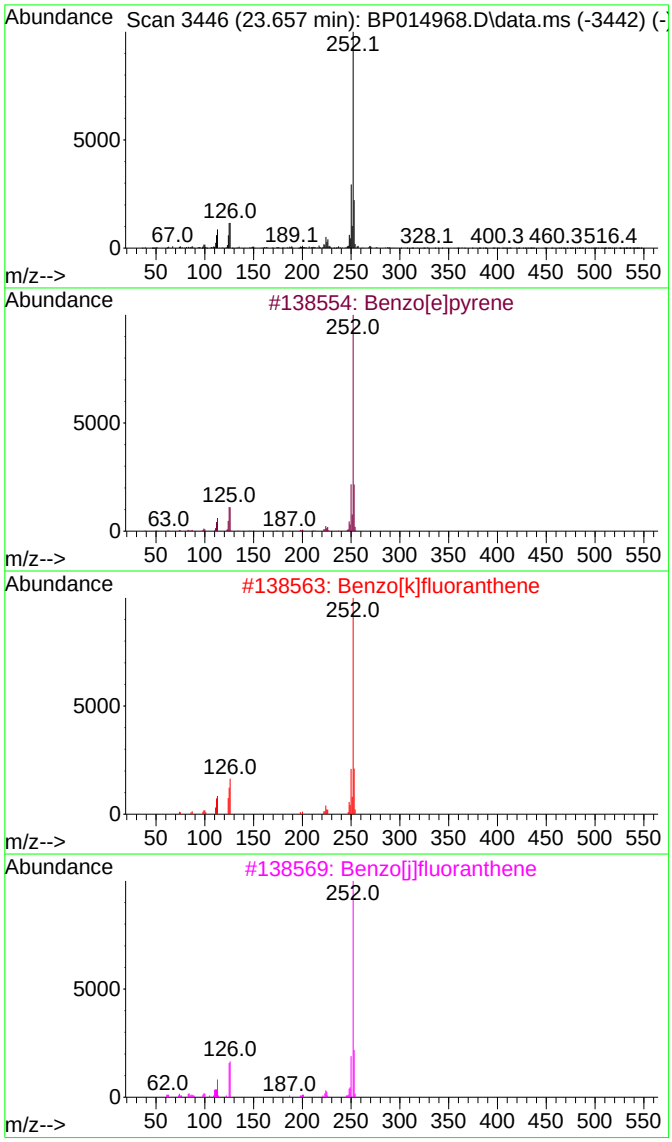
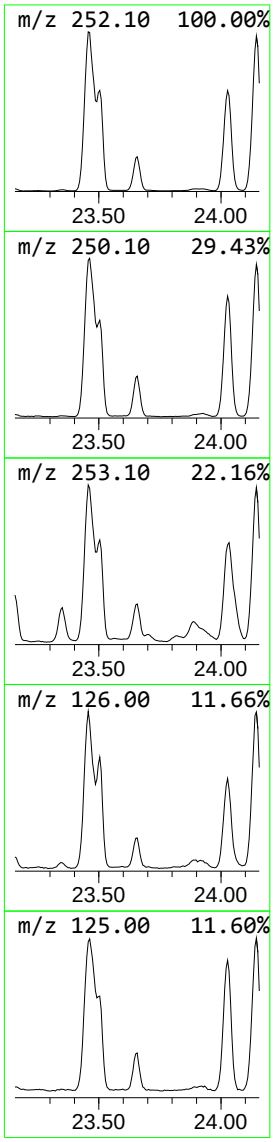
Peak Number 28 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.657	20.76 ng/ul	1992750	Perylene-d12	24.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

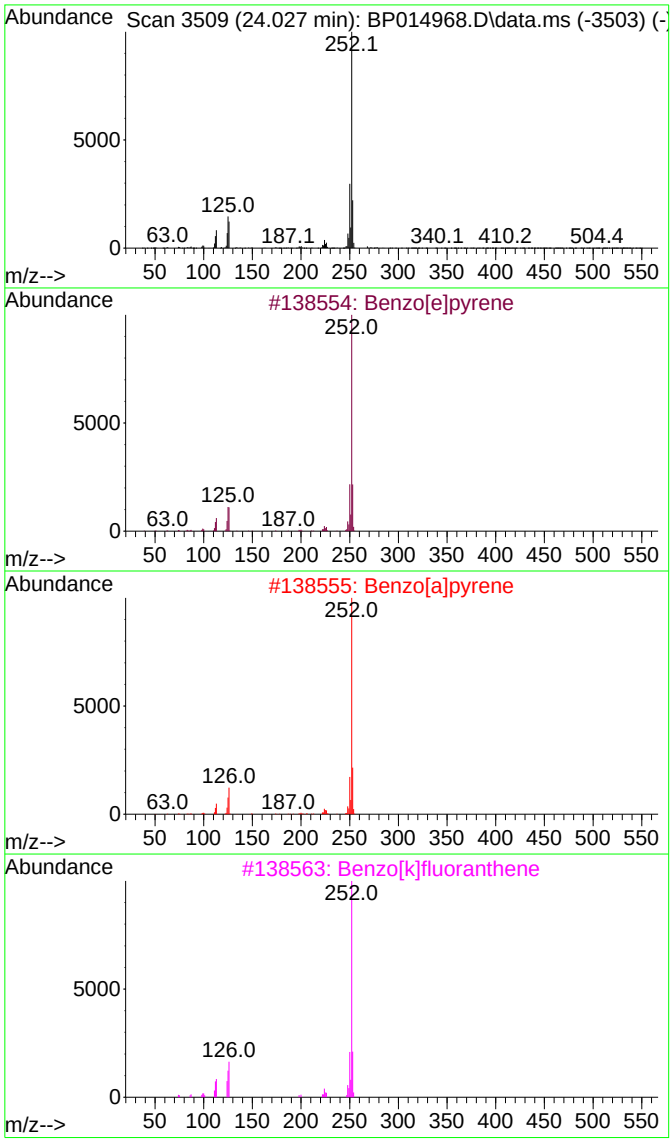
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

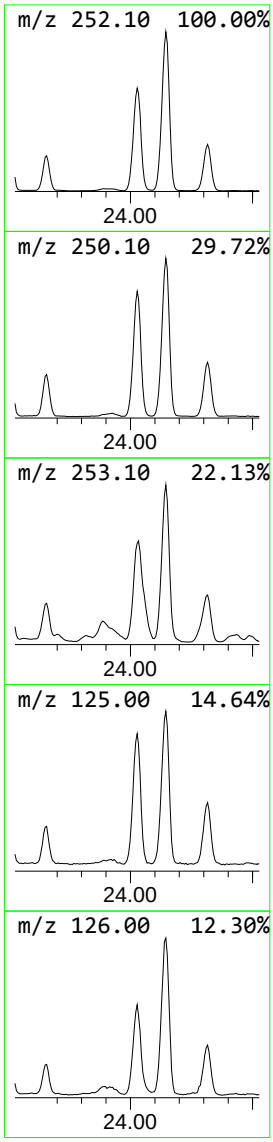
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.027	66.94 ng/ul	6426020	Perylene-d12	24.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

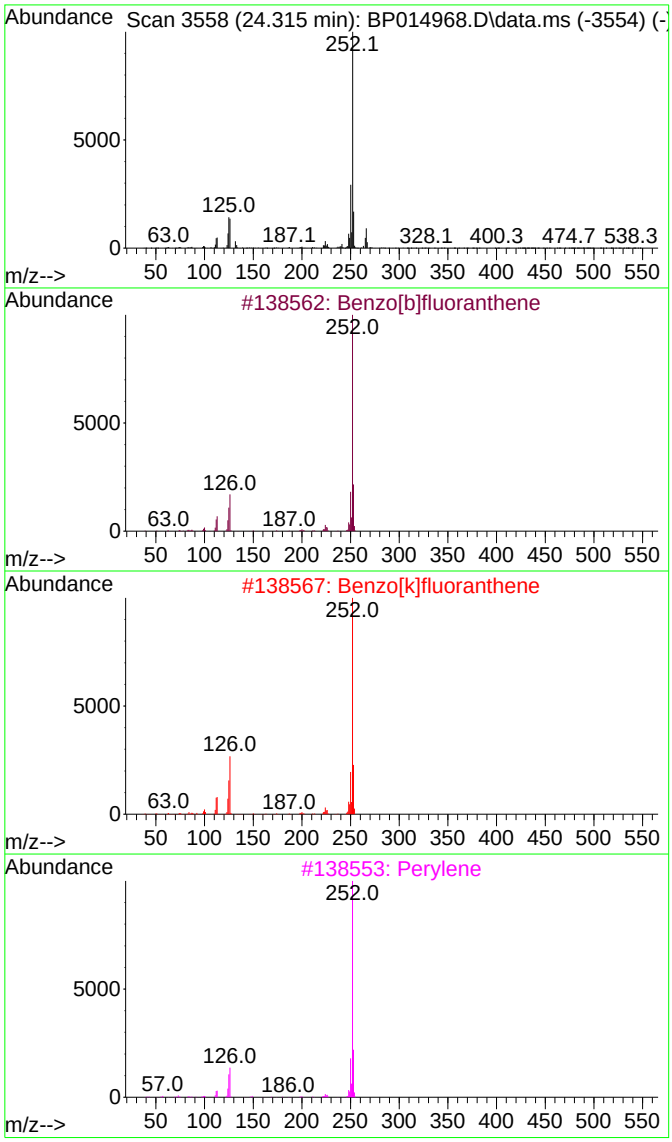
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

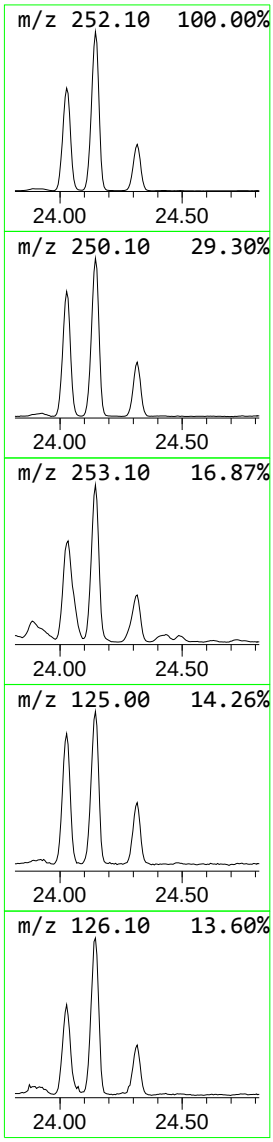
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.316	36.99 ng/ul	3550570	Perylene-d12	24.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	93
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014968.D
Acq On : 04 May 2023 23:54
Operator : CG/JU
Sample : 02479-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW949

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.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
unknown-01	4.017	4.2	ng/ul	319540	1	8.169	1512450	20.0
Naphthalene, 1,...	14.134	2.8	ng/ul	313518	3	14.810	2227550	20.0
Benzophenone	16.157	4.4	ng/ul	485876	3	14.810	2227550	20.0
2,4,6-Cycloheptt...	16.298	2.5	ng/ul	312852	4	17.569	2553090	20.0
(DEL) Alkane: S...	16.528	5.6	ng/ul	710641	4	17.569	2553090	20.0
9H-Fluoren-9-one	17.216	4.4	ng/ul	566537	4	17.569	2553090	20.0
unknown-02	17.298	2.0	ng/ul	256646	4	17.569	2553090	20.0
Dibenzothiophene	17.386	5.3	ng/ul	671032	4	17.569	2553090	20.0
Acridine	17.757	3.5	ng/ul	445000	4	17.569	2553090	20.0
1-Methyldibenzo...	18.139	2.4	ng/ul	308016	4	17.569	2553090	20.0
Anthracene, 2-m...	18.422	11.8	ng/ul	1500040	4	17.569	2553090	20.0
Phenanthrene, 1...	18.469	13.8	ng/ul	1755890	4	17.569	2553090	20.0
Phenanthrene, 2...	18.545	4.7	ng/ul	601843	4	17.569	2553090	20.0
4H-Cyclopenta[d...	18.616	23.3	ng/ul	2970510	4	17.569	2553090	20.0
1H-Indene, 2-ph...	18.645	5.5	ng/ul	702183	4	17.569	2553090	20.0
Naphthalene, 2-...	18.898	7.7	ng/ul	986823	4	17.569	2553090	20.0
9,10-Anthracene...	18.939	7.1	ng/ul	903616	4	17.569	2553090	20.0
Phenanthrene, 4...	19.133	2.0	ng/ul	256994	4	17.569	2553090	20.0
Phenanthrene, 2...	19.304	7.6	ng/ul	968391	4	17.569	2553090	20.0
Cyclopenta(def)...	19.439	7.8	ng/ul	995569	4	17.569	2553090	20.0
Pyrene, 1-methyl-	20.222	2.3	ng/ul	1594450	5	21.651	14077700	20.0
Fluoranthene, 2...	20.386	3.6	ng/ul	2545650	5	21.651	14077700	20.0
11H-Benzo[b]flu...	20.486	2.8	ng/ul	1989250	5	21.651	14077700	20.0
Cyclopenta(cd)p...	21.316	2.6	ng/ul	1843680	5	21.651	14077700	20.0
Cyclopenta[cd]p...	21.363	2.8	ng/ul	1946230	5	21.651	14077700	20.0
Benzo[c]phenant...	21.822	3.1	ng/ul	2187070	5	21.651	14077700	20.0
Benzo(b)carbazole	21.992	2.5	ng/ul	1729620	5	21.651	14077700	20.0
Benzo[e]pyrene	23.657	20.8	ng/ul	1992750	6	24.257	1919840	20.0
Perylene	24.027	66.9	ng/ul	6426020	6	24.257	1919840	20.0
Benzo[j]fluoran...	24.316	37.0	ng/ul	3550570	6	24.257	1919840	20.0