LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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: BP014944.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.899	84	87	101	rBV	445586	678681	2.19%	0.204%
2	4.011	102	106	114	rVV	294026	393751	1.27%	0.118%
3	7.305	658	666	681	rBV	569745	916949	2.96%	0.275%
4	7.481	689	696	707	rBV	524378	810575	2.62%	0.243%
5	7.687	724	731	743	rBV	630190	992947	3.21%	0.298%
6	8.163	803	812	821	rBV	1024232	1618418	5.23%	0.485%
7	8.869	925	932	944	rBV	614549	1005225	3.25%	0.301%
8	9.340	1004	1012	1021	rBV	519816	872164	2.82%	0.262%
9	10.069	1128	1136	1144	rBV	400632	658508	2.13%	0.197%
10	10.610	1220	1228	1236	rBV	631559	1071617	3.46%	0.321%
11	10.998	1284	1294	1300	rBV	1281036	2143932	6.92%	0.643%
12	11.134	1310	1317	1339	rBV	358297	719944	2.33%	0.216%
13	14.204	1831	1839	1845	rBV	1038082	1469358	4.75%	0.441%
14	14.504	1883	1890	1907	rBV	1284000	1947942	6.29%	0.584%
15	14.810	1932	1942	1947	rBV	1679593	2527729	8.16%	0.758%
16	14.869	1947	1952	1960	rVV	1489692	2199960	7.11%	0.660%
17	14.987	1967	1972	1984	rVB	176684	304627	0.98%	0.091%
18	15.204	2003	2009	2018	rVV	644179	968256	3.13%	0.290%
19	15.798	2101	2110	2115	rBV	1629817	2306556	7.45%	0.692%
20	15.857	2115	2120	2125	rVV	1549894	2240137	7.24%	0.672%
21	15.916	2125	2130	2133	rVV	211676	326851	1.06%	0.098%
22	16.016	2144	2147	2152	rVV2	161119	239359	0.77%	0.072%
23	16.157	2165	2171	2179	rVB2	747117	1182761	3.82%	0.355%
24	16.292	2189	2194	2202	rVB	167611	327666	1.06%	0.098%
25	16.863	2286	2291	2295	rVB2	208903	320576	1.04%	0.096%
26	17.216	2346	2351	2358	rVB	159638	249478	0.81%	0.075%
27	17.381	2373	2379	2390	rVB	1004911	1454148	4.70%	0.436%
28	17.569	2404	2411	2413	rBV	1873893	2815627	9.09%	0.844%
29	17.616	2413	2419	2424	rVV	14405148	23314288	75.30%	6.992%
30	17.663	2424	2427	2430	rVV	1802386	2660337	8.59%	0.798%
31	17.698	2430	2433	2439	rVB	4970504	6521058	21.06%	1.956%
32	17.751	2439	2442	2452	rVB	262284	413067	1.33%	0.124%
33	17.957	2468	2477	2489	rBV	1502902	2418688	7.81%	0.725%
34	18.075	2492	2497	2503	rBV3	230451	319123	1.03%	0.096%
35	18.422	2550	2556	2559	rBV	1035915	1388167	4.48%	0.416%
36	18.463	2559	2563	2570	rVB	1256117	1774865	5.73%	0.532%

LSC Area Percent Report

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Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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	18.545	2570	2577	2582	rBV	438160	615088	1.99%	0.184%
38	18.610	2582	2588	2592	rBV	3090498	4739254	15.31%	1.421%
39	18.798	2615	2620	2624	rBV5	274777	412808	1.33%	0.124%
40	18.898	2631	2637	2640	rBV	1048694	1360125	4.39%	0.408%
41	18.939	2640	2644	2650	rVV	447047	583773	1.89%	0.175%
42	19.304	2700	2706	2711	rBV3	205808	470915	1.52%	0.141%
43	19.439	2724	2729	2736	rBV3	297986	531470	1.72%	0.159%
44	19.569	2743	2751	2756	rVV	18278119	30960172	100.00%	9.285%
45	19.651	2761	2765	2769	rVV	369313	512242	1.65%	0.154%
46	19.692	2769	2772	2776	rVB3	155826	217785	0.70%	0.065%
47	19.739	2776	2780	2783	rBV3	130223	193903	0.63%	0.058%
48	19.792	2783	2789	2797	rVV2	747546	1315472	4.25%	0.395%
49	19.886	2797	2805	2806	rVV2	6103899	8578006	27.71%	2.573%
50	19.922	2806	2811	2816	rVV	16257371	26885987	86.84%	8.063%
51	19.974	2816	2820	2827	rVB2	584703	877948	2.84%	0.263%
52	20.080	2833	2838	2843	rBV	938609	1180428	3.81%	0.354%
53	20.139	2844	2848	2855	rVB	736375	1043441	3.37%	0.313%
54	20.216	2855	2861	2867	rBV2	772871	1840130	5.94%	0.552%
55	20.274	2867	2871	2876	rVB	508877	626364	2.02%	0.188%
56	20.351	2878	2884	2885	rBV3	543286	800670	2.59%	0.240%
57	20.386	2886	2890	2895	rVB	3007131	3994484	12.90%	1.198%
58	20.486	2901	2907	2911	rBV	3293403	4466679	14.43%	1.340%
59	20.539	2911	2916	2919	rVV2	952687	1506413	4.87%	0.452%
60	20.574	2919	2922	2926	rVV	920090	1122274	3.62%	0.337%
61	20.616	2926	2929	2934	rVB2	223007	334246	1.08%	0.100%
62	20.680	2936	2940	2943	rBV	511552	654923	2.12%	0.196%
63	20.722	2943	2947	2951	rVB	516391	629387	2.03%	0.189%
64	20.957	2984	2987	2990	rBV4	159660	206534	0.67%	0.062%
65	21.004	2990	2995	2998	rBV2	204148	336105	1.09%	0.101%
66	21.074	3003	3007	3011	rBV2	313614	534891	1.73%	0.160%
67	21.116	3011	3014	3020	rVB2	348427	561336	1.81%	0.168%
68	21.280	3037	3042	3045	rBV	2053436	2710351	8.75%	0.813%
69	21.316	3045	3048	3052	rVV	1802702	2370032	7.66%	0.711%
70	21.363	3052	3056	3060	rVV2	2132773	3235856	10.45%	0.970%
71	21.404	3060	3063	3075	rVB2	677292	1174256	3.79%	0.352%
72	21.521	3076	3083	3089	rBV	678905	1324419	4.28%	0.397%
73	21.633	3092	3102	3108	rVV2	12148335	24094189	77.82%	7.226%
74	21.692	3108	3112	3121	rVB	9513528	14154278	45.72%	4.245%
75	21.774	3123	3126	3129	rVV3	204661	247390	0.80%	0.074%
76	21.816	3129	3133	3139	rVV	3426924	5018591	16.21%	1.505%

LSC Area Percent Report

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Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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	21.874	3140	3143	3146	rVV2	334861	533892	1.72%	0.160%
78	21.933	3149	3153	3157	rVV	714245	1092569	3.53%	0.328%
79	21.986	3157	3162	3168	rVB2	1585010	2409456	7.78%	0.723%
80	22.257	3201	3208	3212	rBV	740018	1457087	4.71%	0.437%
81	22.316	3215	3218	3223	rVB	466039	639526	2.07%	0.192%
82	22.392	3227	3231	3234	rBV2	306274	442371	1.43%	0.133%
83	22.433	3234	3238	3242	rVV2	823282	1243967	4.02%	0.373%
84	22.486	3243	3247	3250	rVV	928723	1613290	5.21%	0.484%
85	22.527	3250	3254	3259	rVB2	1377781	2269120	7.33%	0.681%
86	22.592	3260	3265	3275	rVB2	712313	1302058	4.21%	0.391%
87	22.810	3297	3302	3304	rBV2	309915	587078	1.90%	0.176%
88	23.151	3356	3360	3372	rVB	478163	987728	3.19%	0.296%
89	23.457	3402	3412	3417	rBV	7768317	21895390	70.72%	6.567%
90	23.651	3439	3445	3451	rVB	1582481	2911974	9.41%	0.873%
91	23.804	3467	3471	3476	rBV5	353904	844424	2.73%	0.253%
92	24.021	3500	3508	3514	rBV	4740295	11118009	35.91%	3.334%
93	24.080	3515	3518	3522	rVV2	1334269	2582317	8.34%	0.774%
94	24.145	3522	3529	3536	rVB	7566593	16466098	53.18%	4.938%
95	24.251	3541	3547	3551	rVV	1576568	3504207	11.32%	1.051%
96	24.310	3551	3557	3566	rVB	2737976	5908969	19.09%	1.772%
97	25.292	3719	3724	3739	rVB2	614546	1664306	5.38%	0.499%
98	27.015	4005	4017	4029	rVB2	3858735	13561939	43.80%	4.067%
99	27.868	4150	4162	4182	rVB	2708419	10696254	34.55%	3.208%
100	28.309	4230	4237	4259	rVB2	944540	3705175	11.97%	1.111%

Sum of corrected areas: 333433154

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
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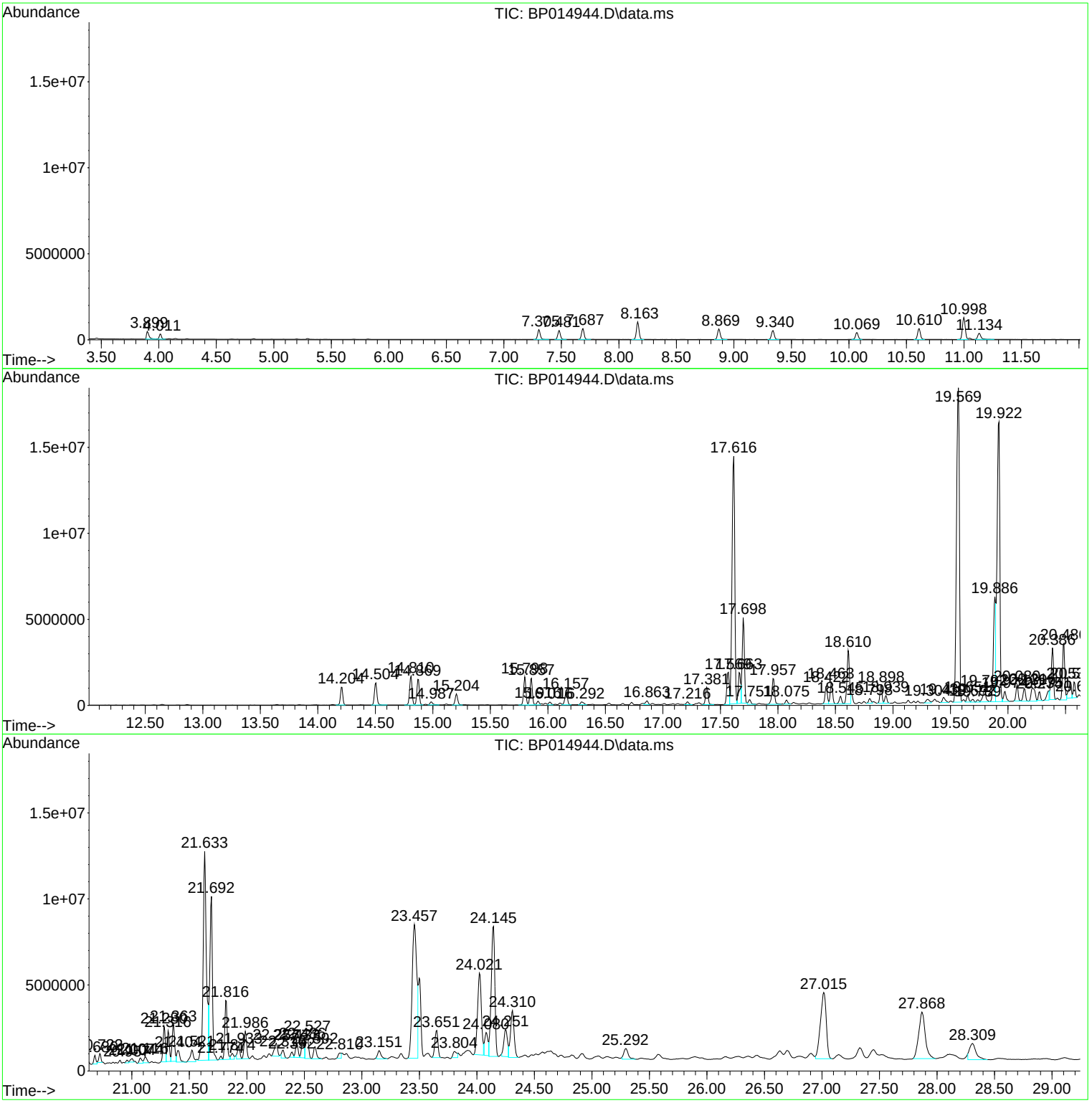
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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 : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

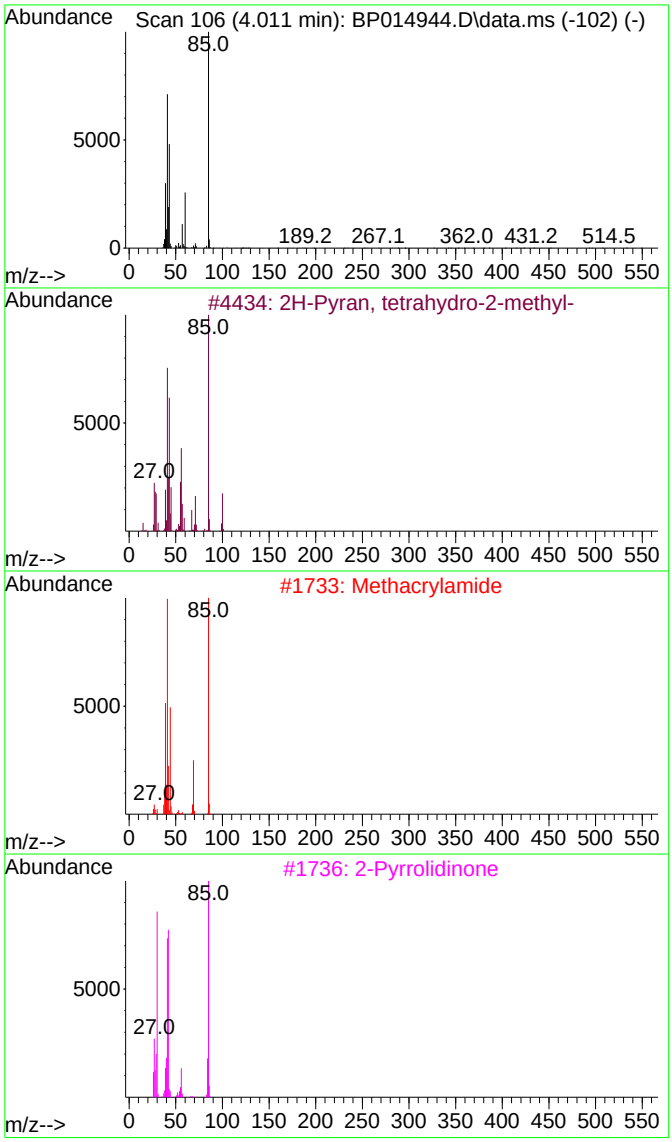
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

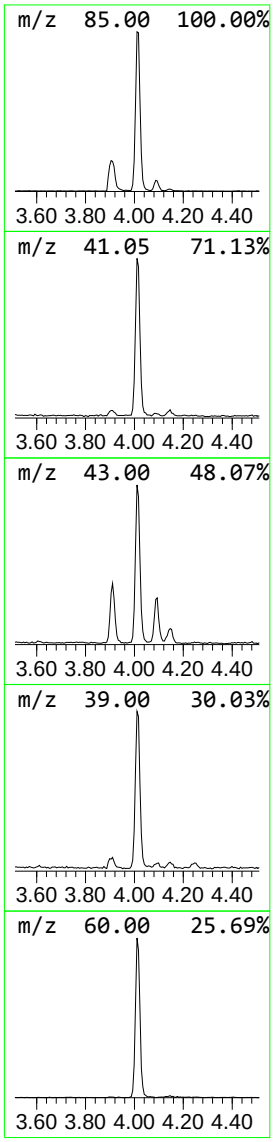
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.011	4.87 ng/ul	393751	1,4-Dichlorobenzene-d4	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
2	Methacrylamide	85	C4H7NO	000079-39-0	33
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33
4	Thiazole	85	C3H3NS	000288-47-1	28
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 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

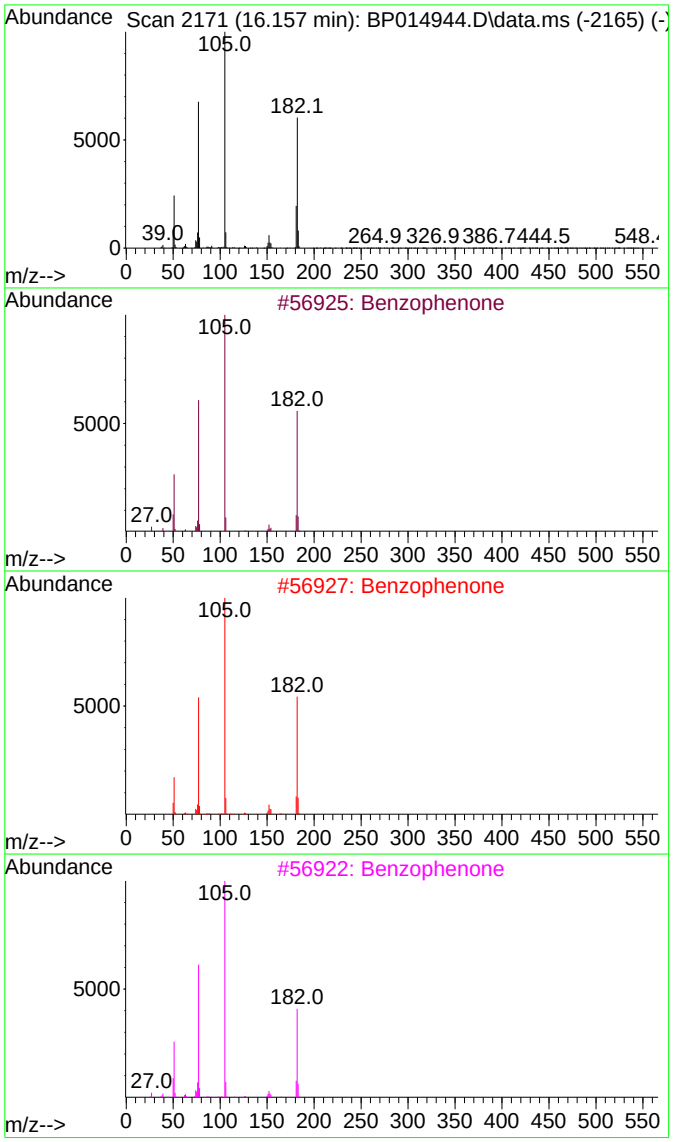
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

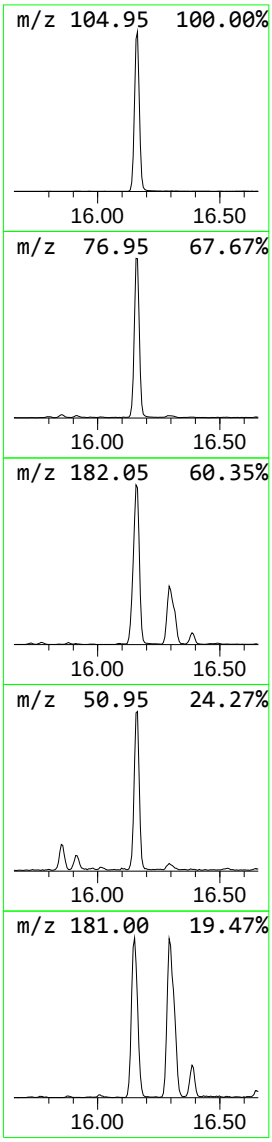
****

Peak Number 2 Benzophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	9.36 ng/ul	1182760	Acenaphthene-d10	14.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	94
3	Benzophenone	182	C13H10O	000119-61-9	93
4	Benzophenone	182	C13H10O	000119-61-9	74
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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

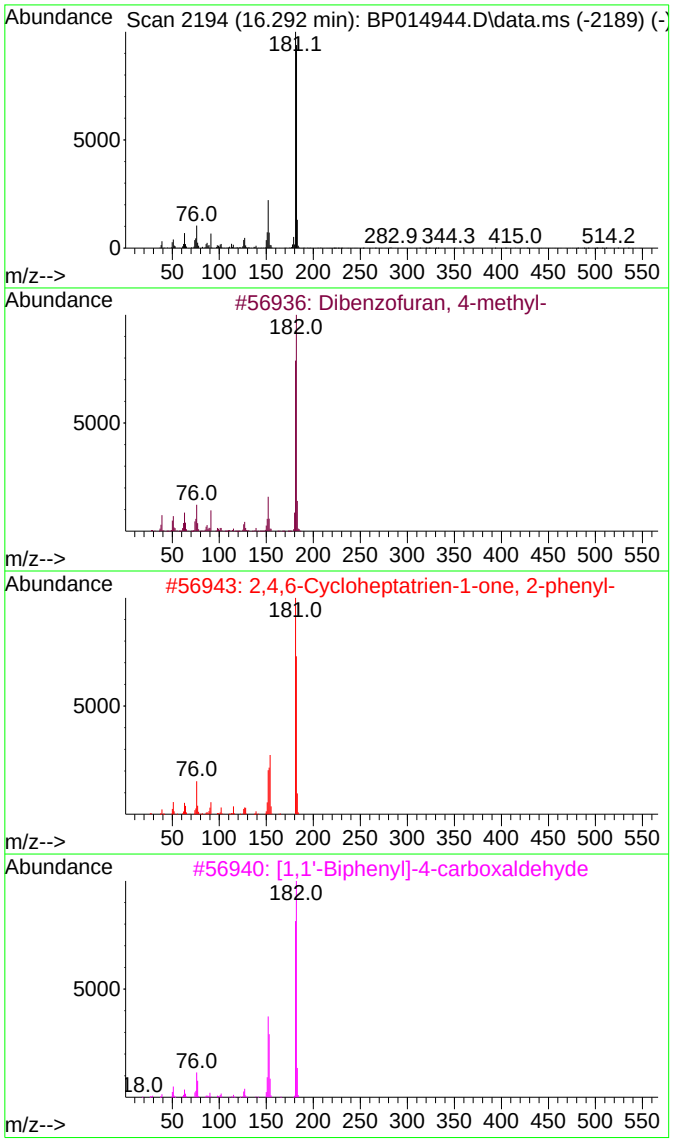
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

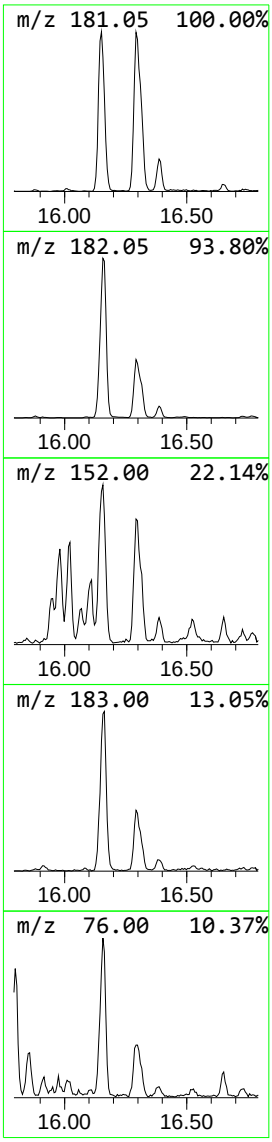
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	2.33 ng/ul	327666	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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

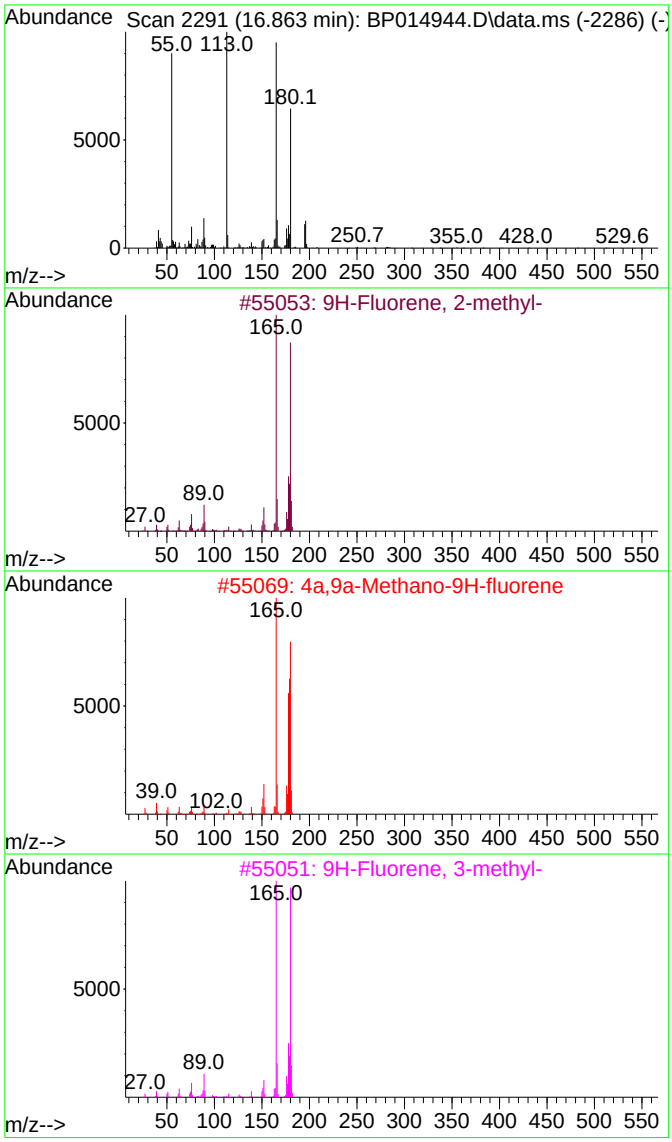
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

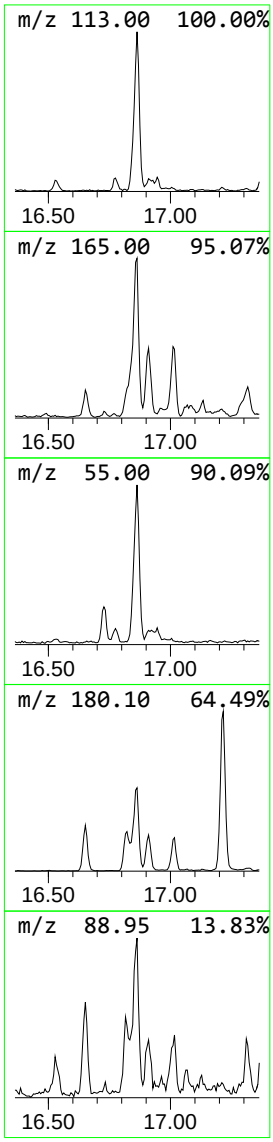
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.863	2.28 ng/ul	320576	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	45
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	45
4	N-Ethyl-2-methyl-4-nitroaniline	180	C9H12N2O2	088374-25-8	43
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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

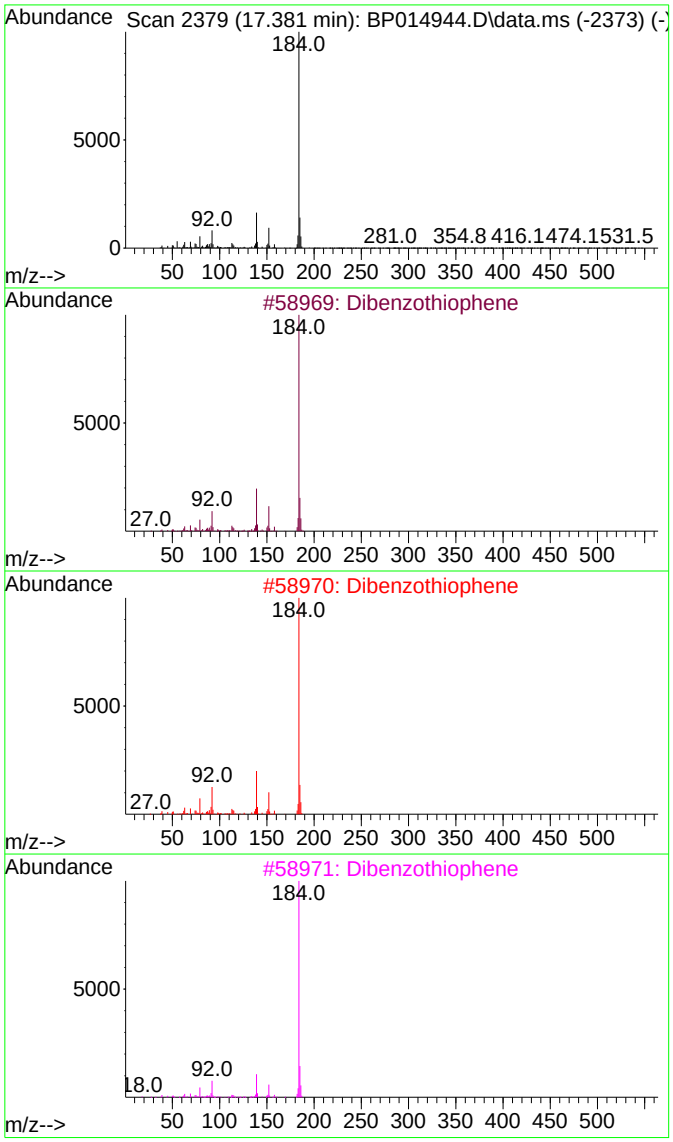
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

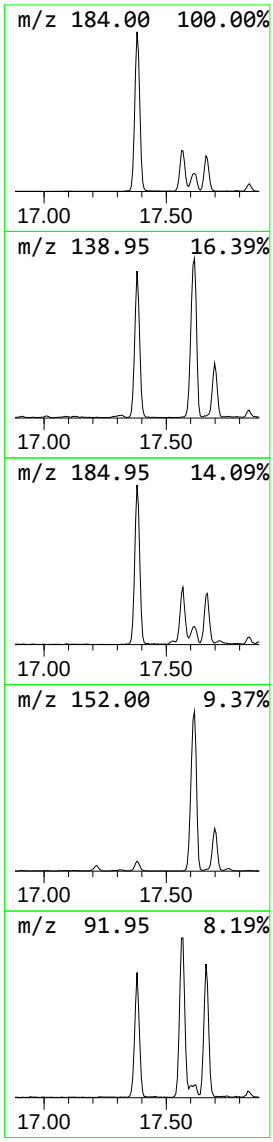
****

Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.381	10.33 ng/ul	1454150	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	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Dibenzothiophene	184	C12H8S	000132-65-0	96
5	Dibenzothiophene	184	C12H8S	000132-65-0	96





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Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : SVOA CALIBRATION

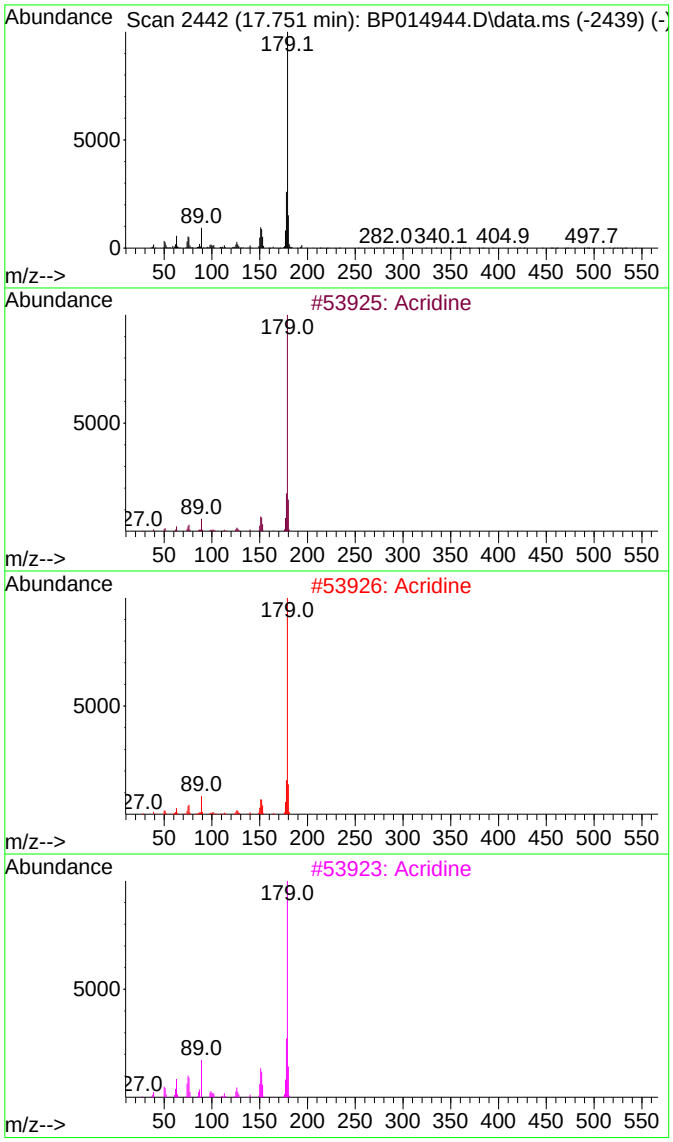
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

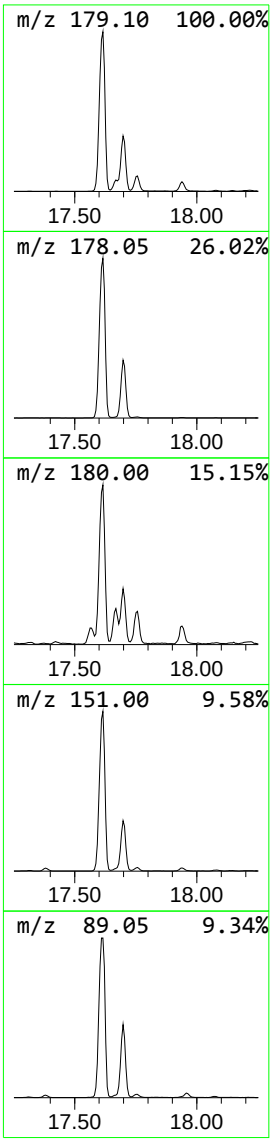
****

Peak Number 6 Acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.751	2.93 ng/ul	413067	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Acridine	179	C13H9N	000260-94-6	94
3	Acridine	179	C13H9N	000260-94-6	94
4	Phenanthridine	179	C13H9N	000229-87-8	93
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	91





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Instrument :
BNA_P
ClientSampleId :
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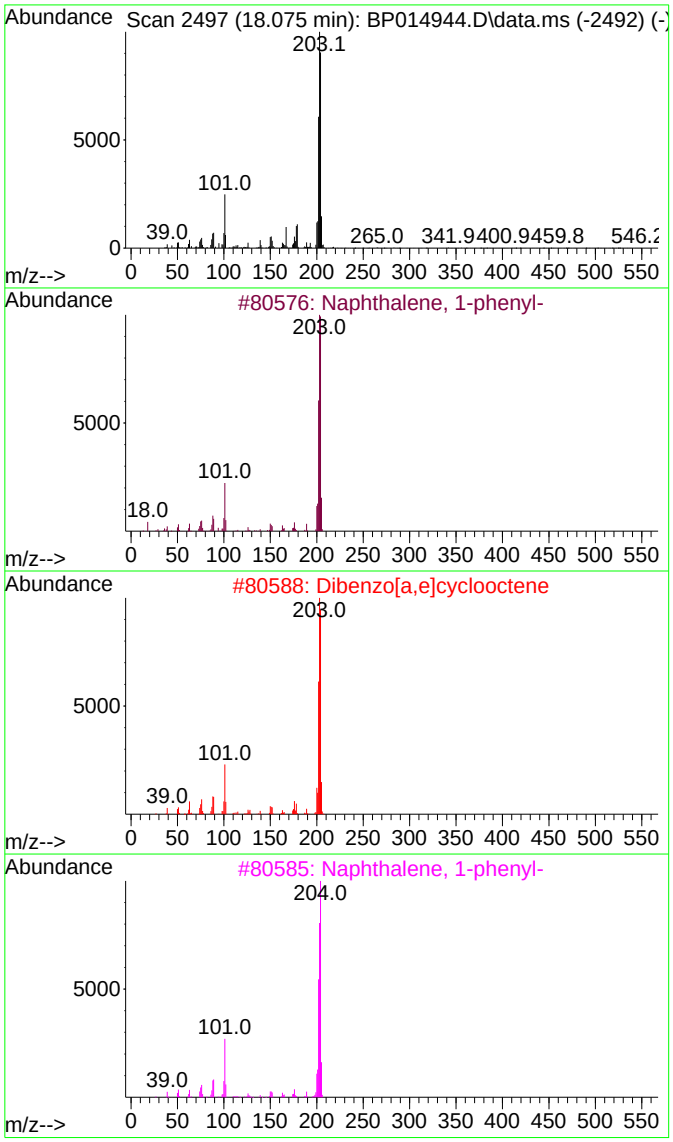
Quant Title : SVOA CALIBRATION

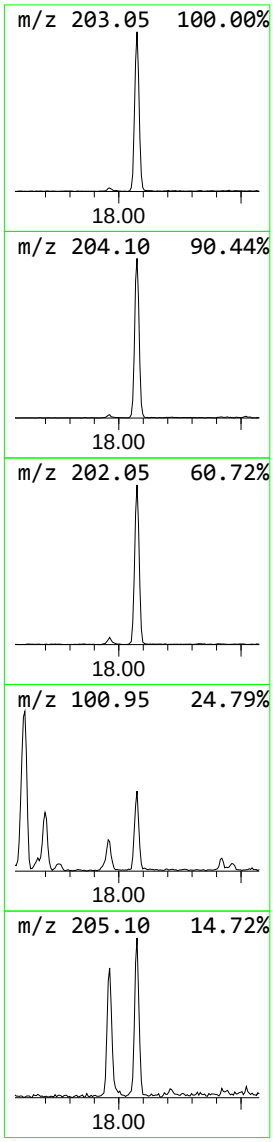
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	2.27 ng/ul	319123	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	93





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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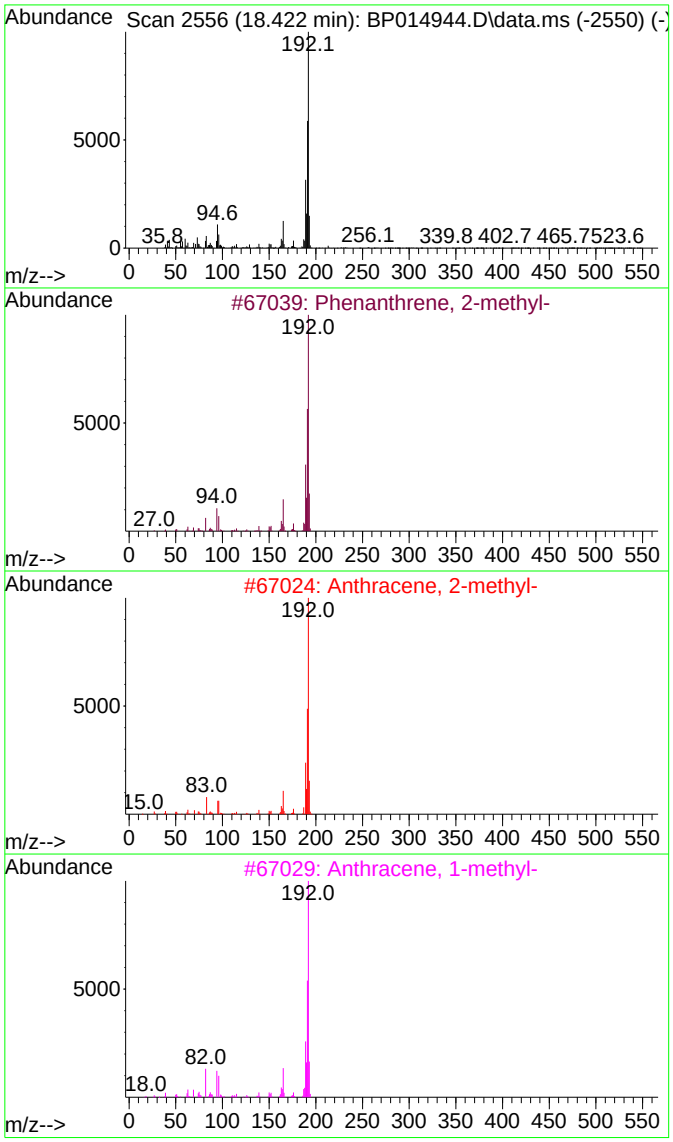
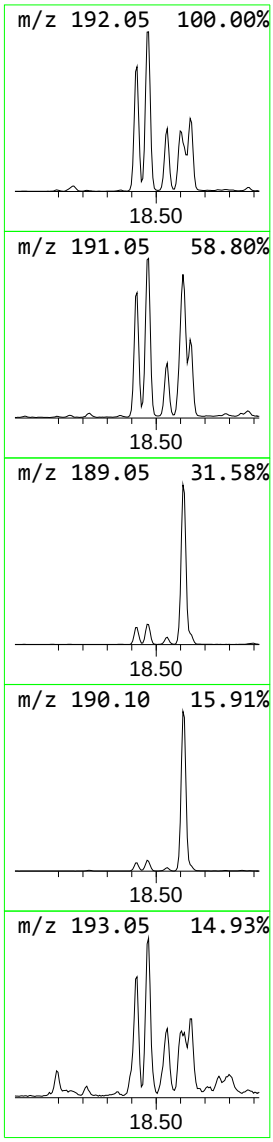
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	9.86 ng/ul	1388170	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

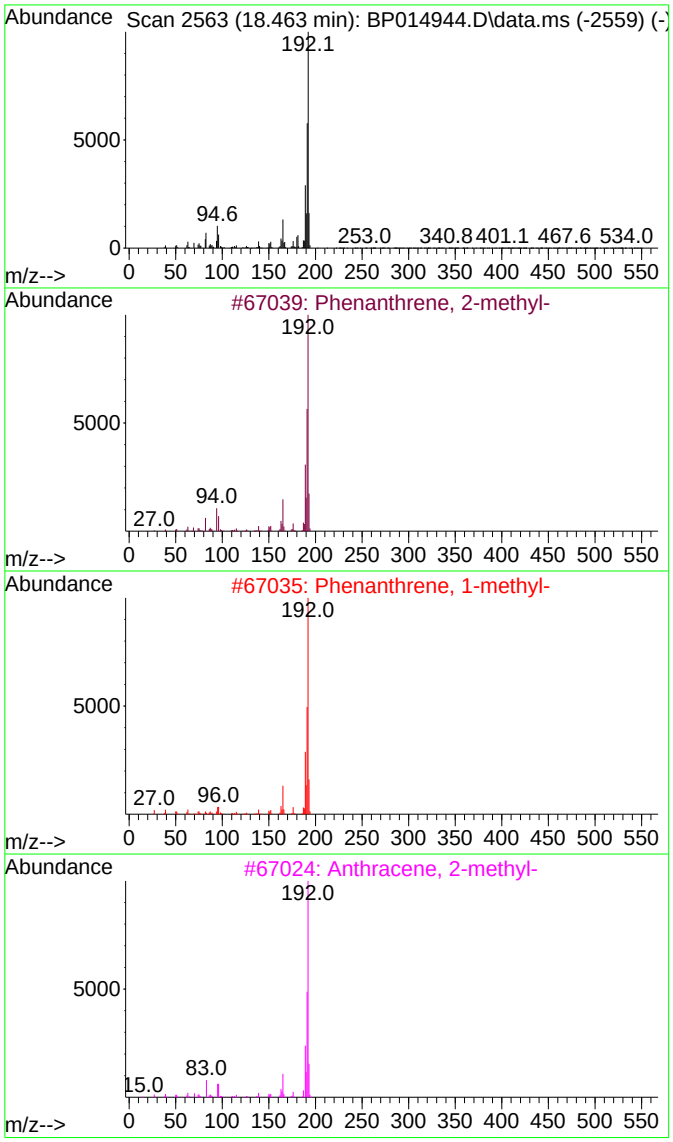
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

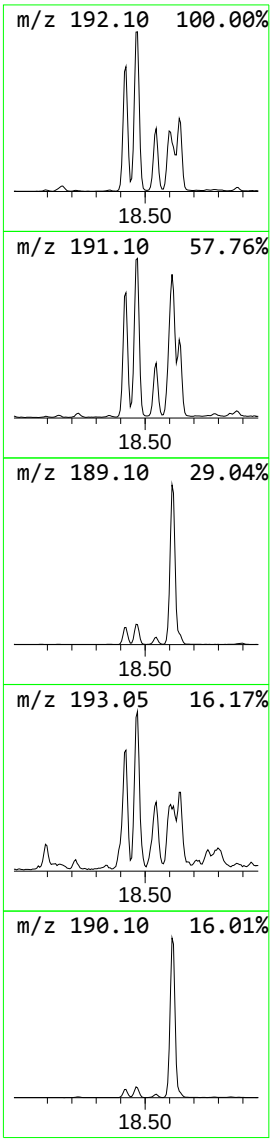
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.463	12.61 ng/ul	1774870	Phenanthrene-d10	17.569

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





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : SVOA CALIBRATION

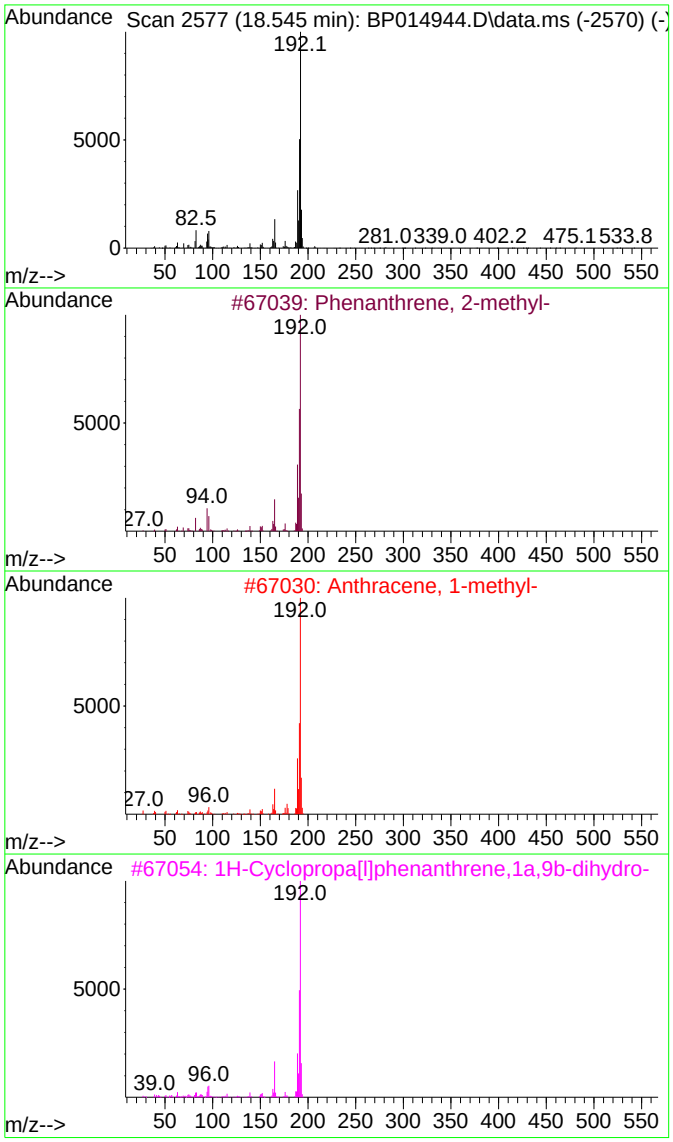
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

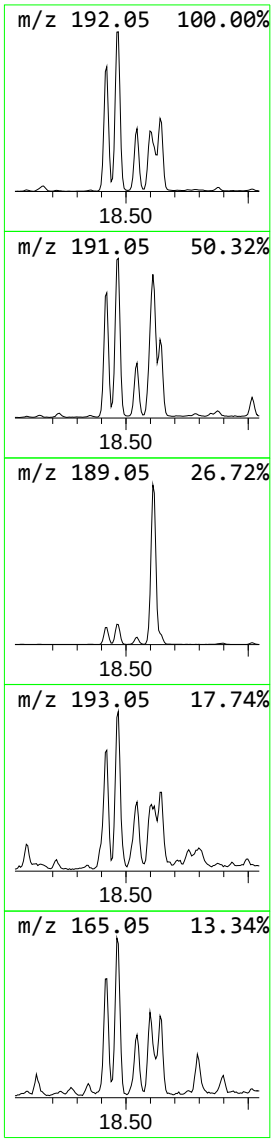
****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.545	4.37 ng/ul	615088	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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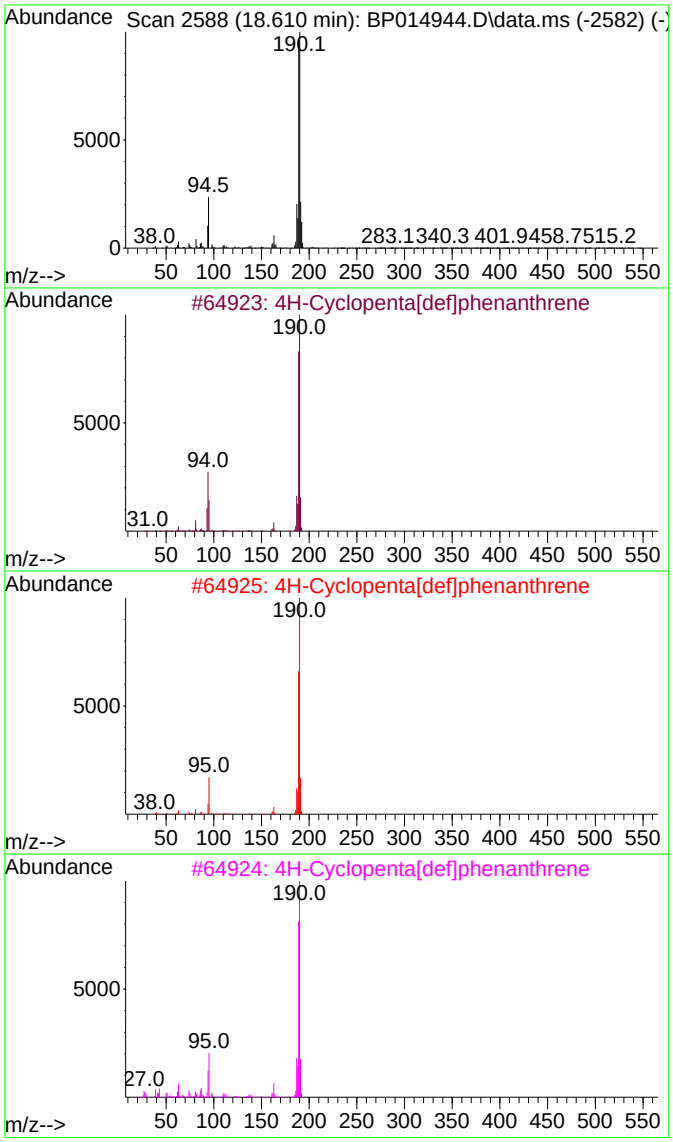
Quant Title : SVOA CALIBRATION

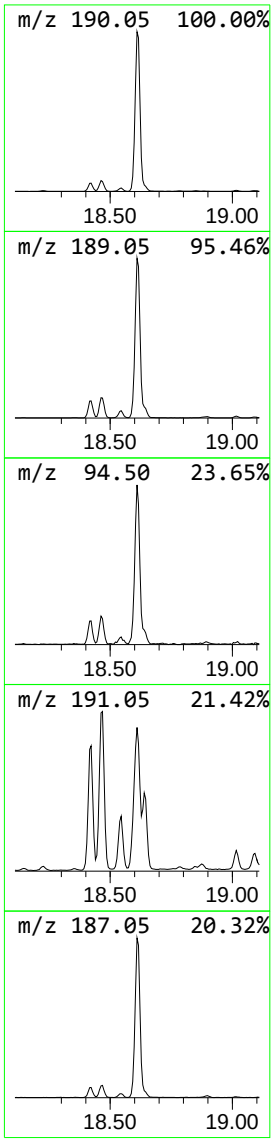
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	33.66 ng/ul	4739250	Phenanthrene-d10	17.569

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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59





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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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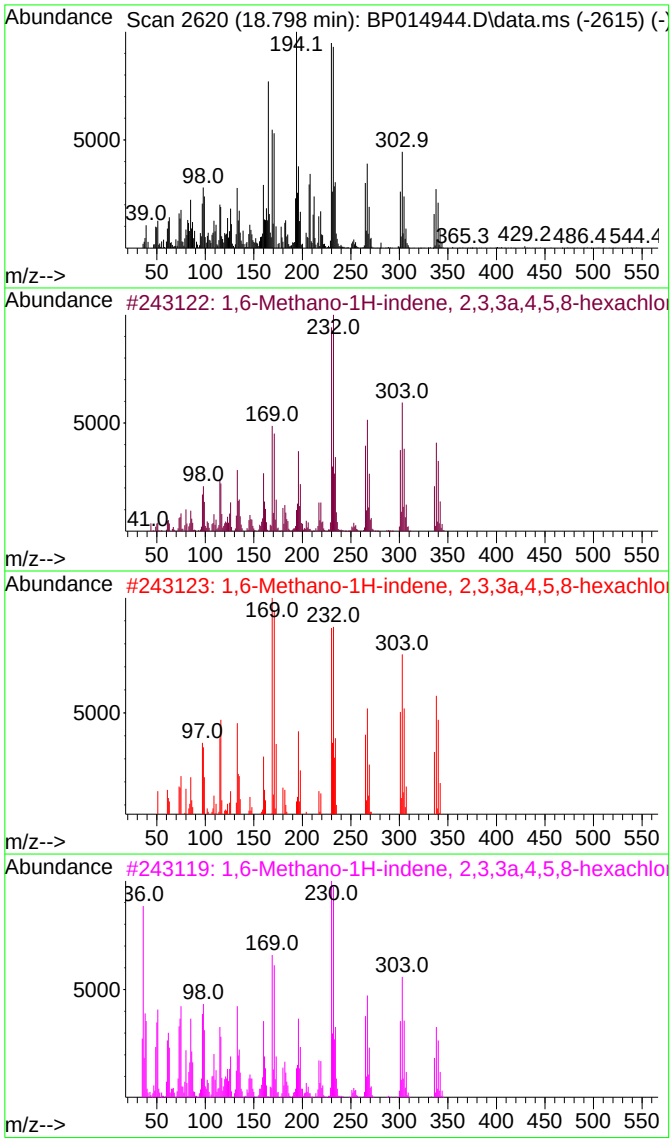
Quant Title : SVOA CALIBRATION

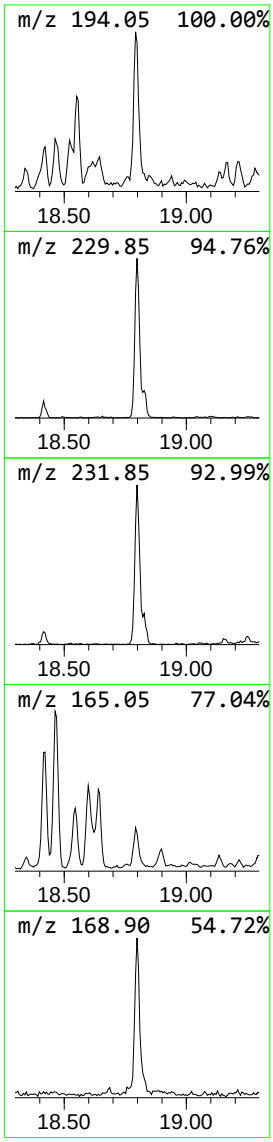
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,6-Methano-1H-indene, 2,3,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.798	2.93 ng/ul	412808	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	98
2	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	93
3	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	069743-73-3	83
4	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	60
5	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	53





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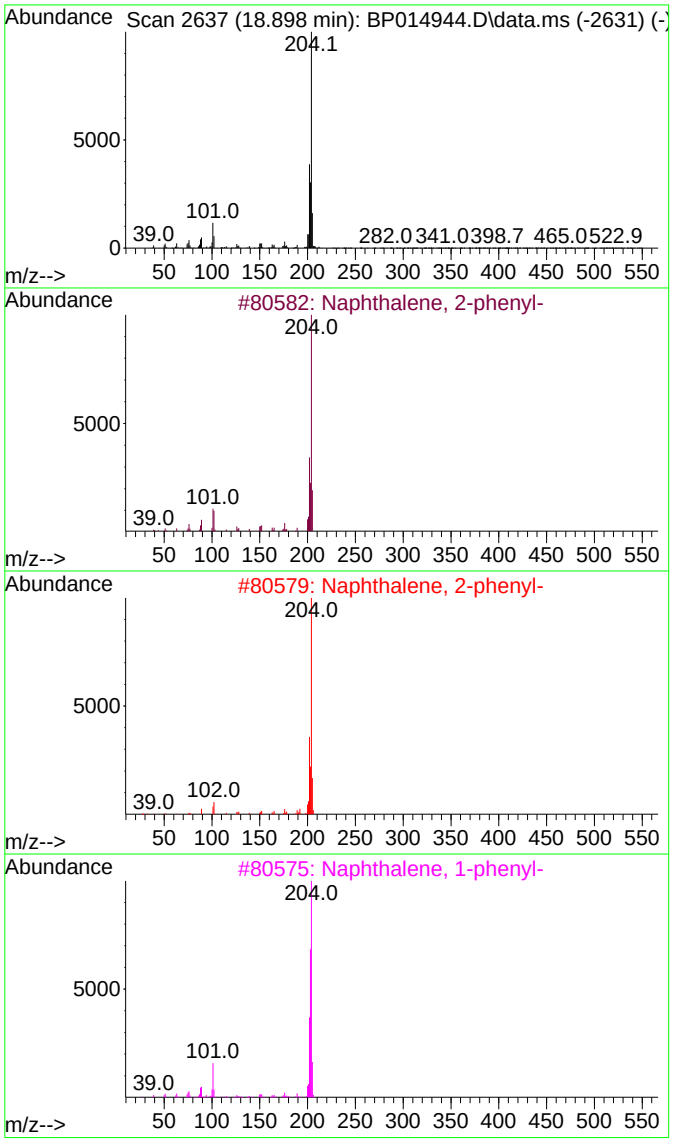
Quant Title : SVOA CALIBRATION

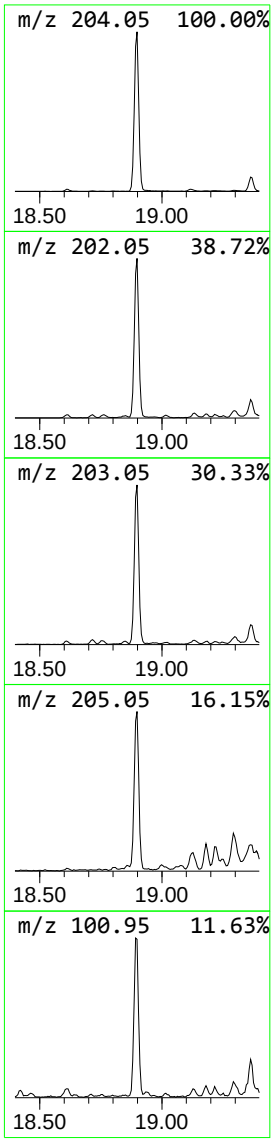
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.898	9.66 ng/ul	1360130	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89





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Quant Title : SVOA CALIBRATION

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

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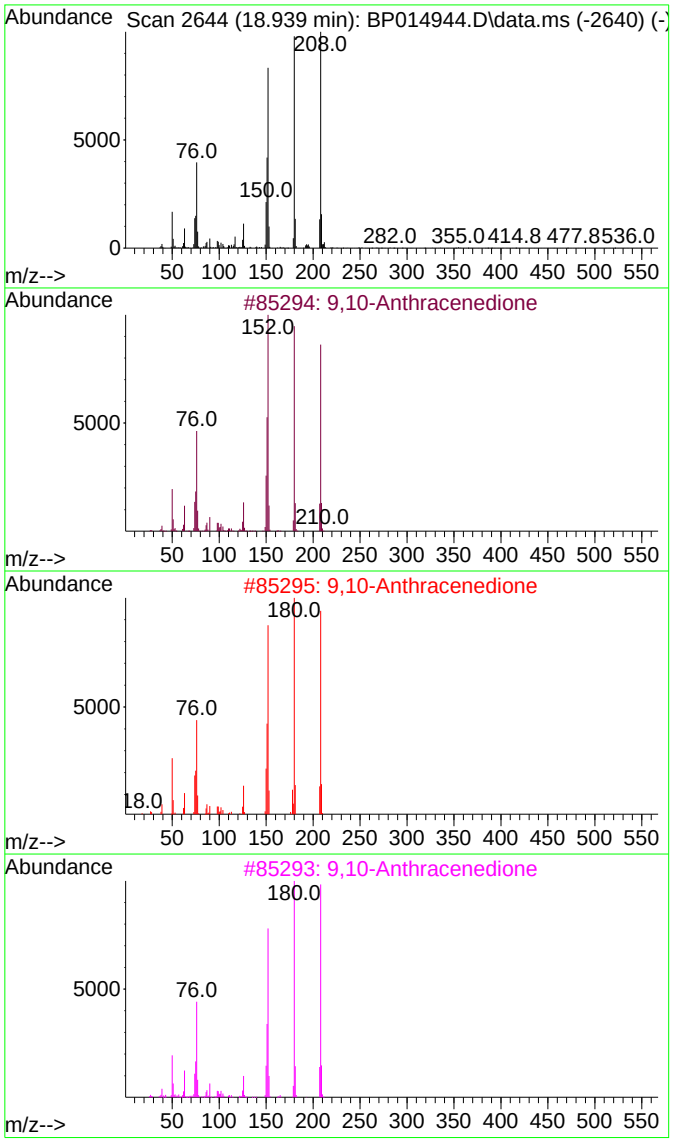
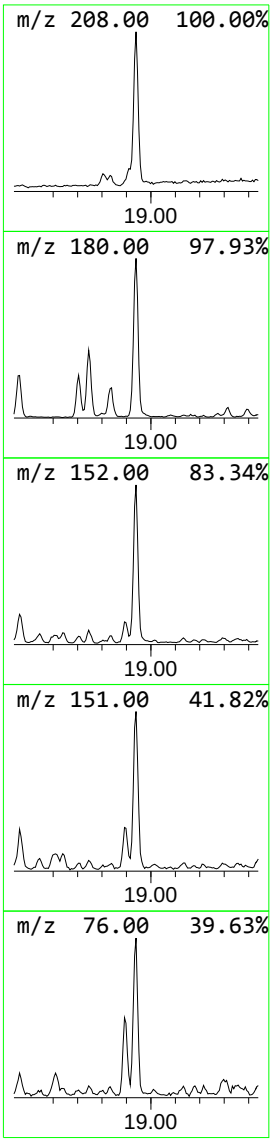
Peak Number 14 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	4.15 ng/ul	583773	Phenanthrene-d10	17.569

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	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91





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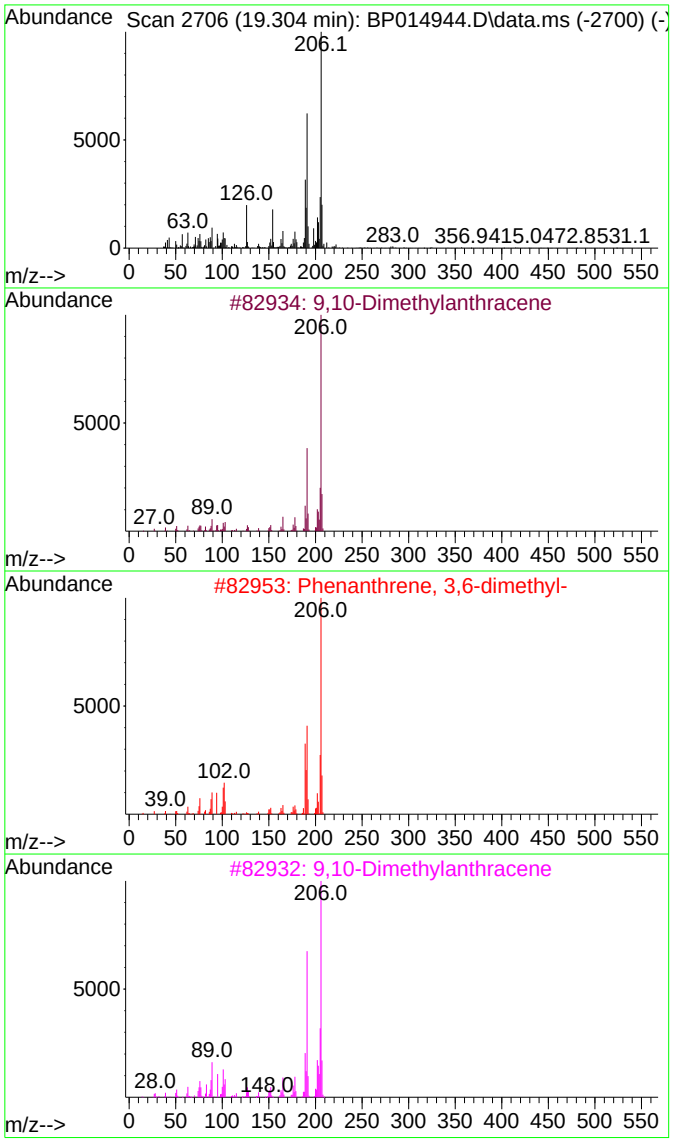
Quant Title : SVOA CALIBRATION

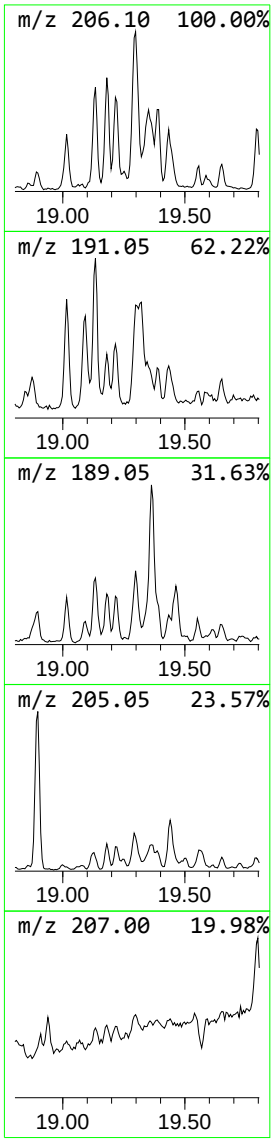
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	3.35 ng/ul	470915	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76





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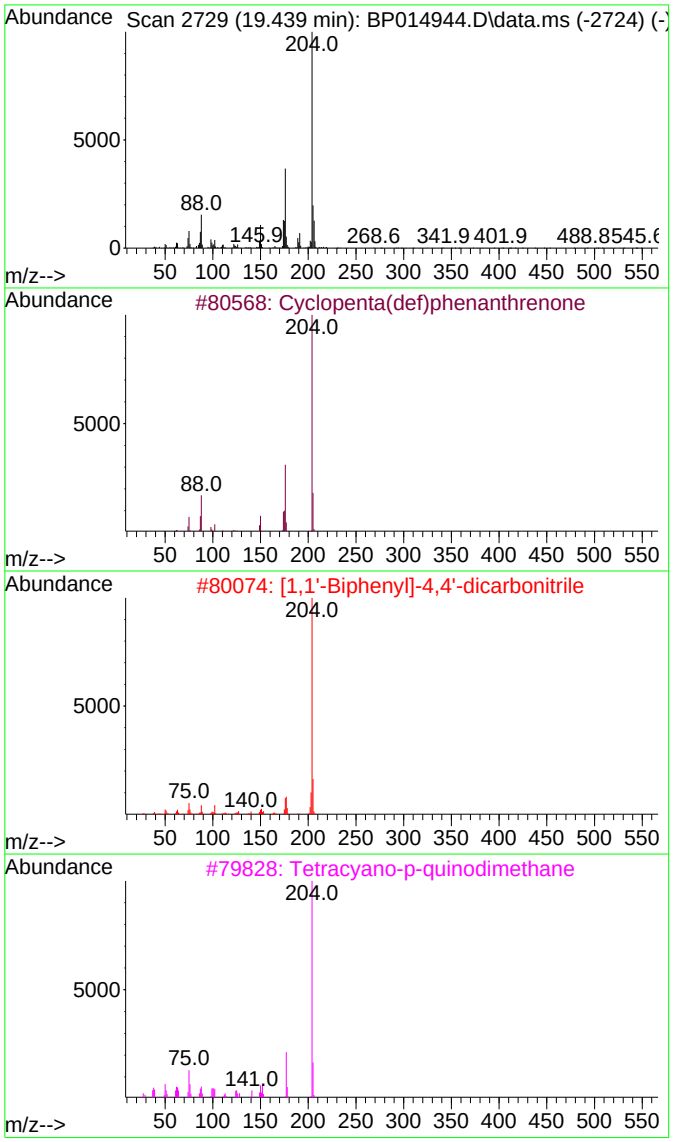
Quant Title : SVOA CALIBRATION

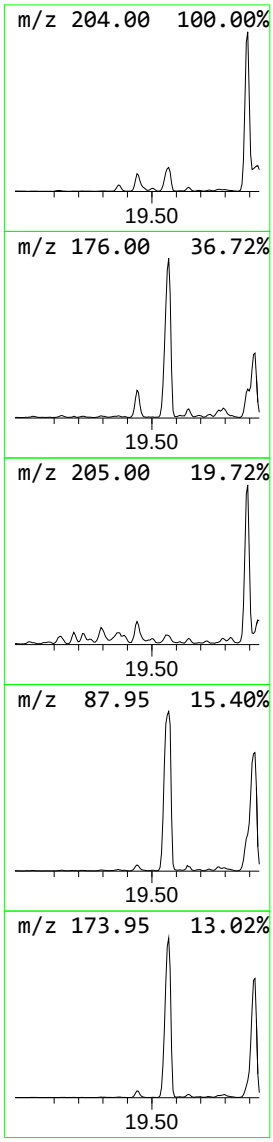
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.439	3.78 ng/ul	531470	Phenanthrene-d10	17.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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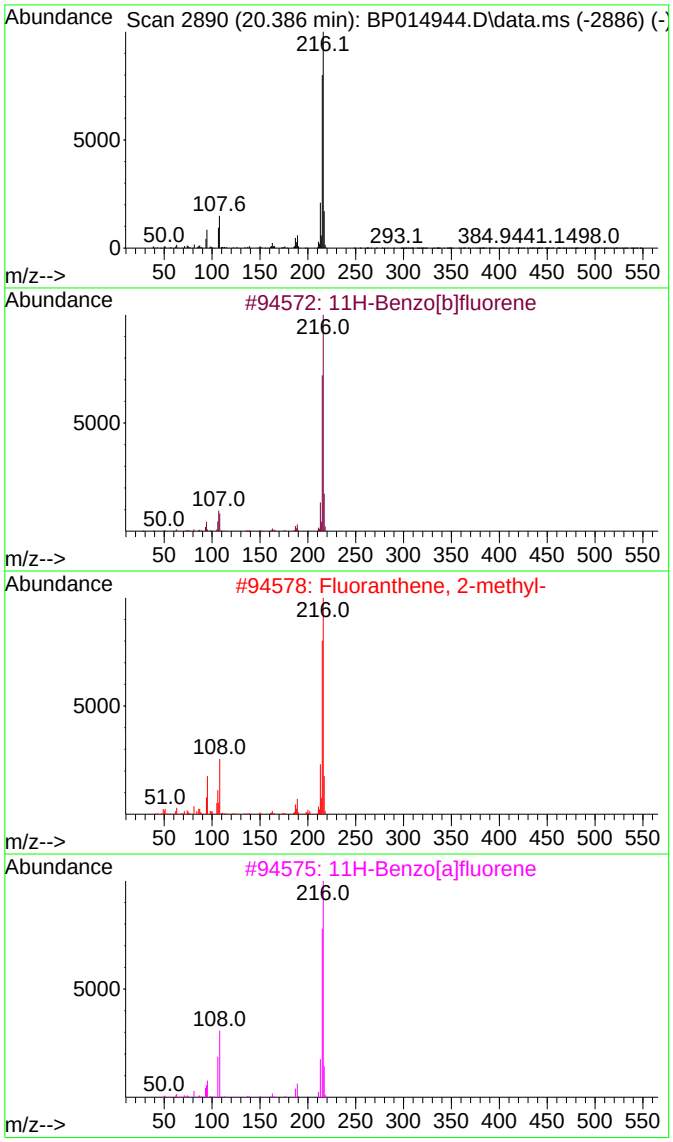
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

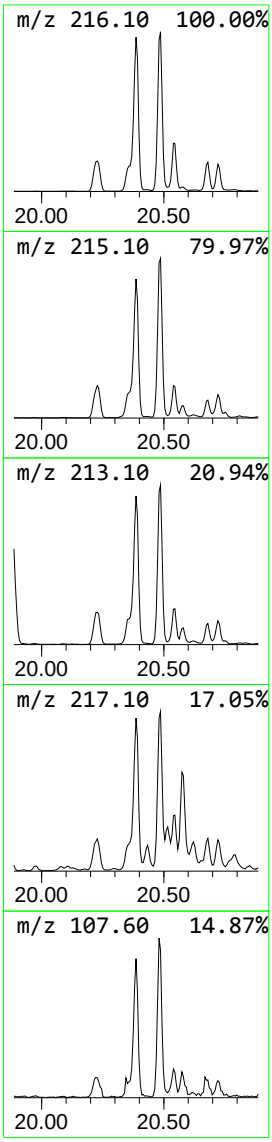
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.386	3.32 ng/ul	3994480	Chrysene-d12	21.651

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	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

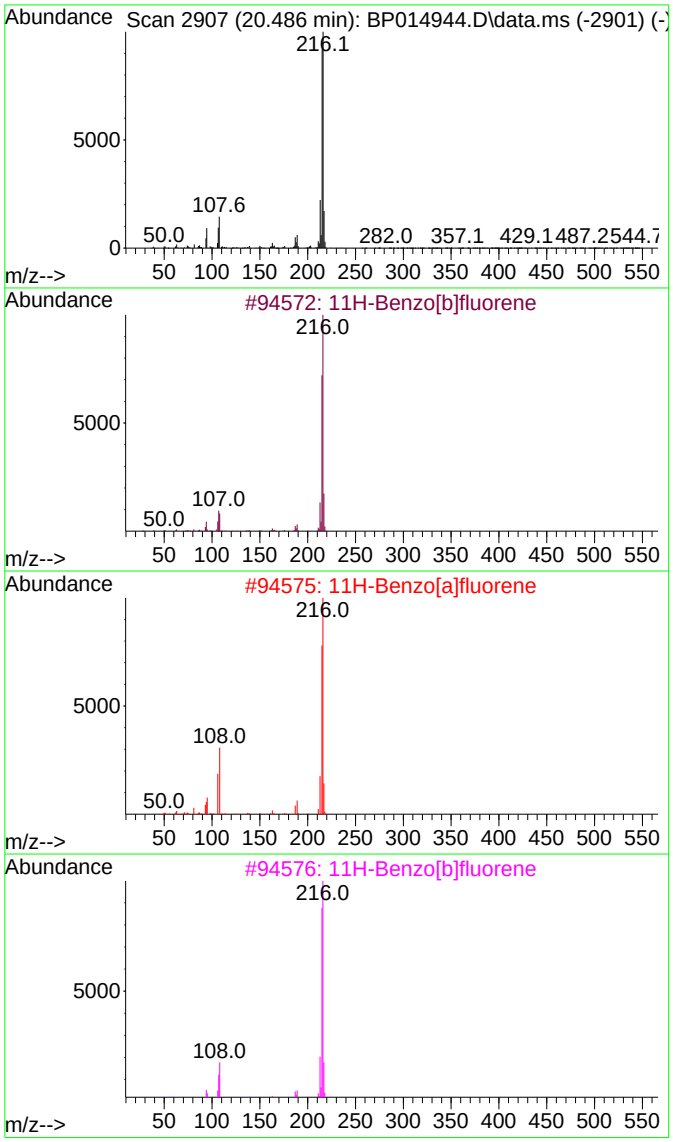
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

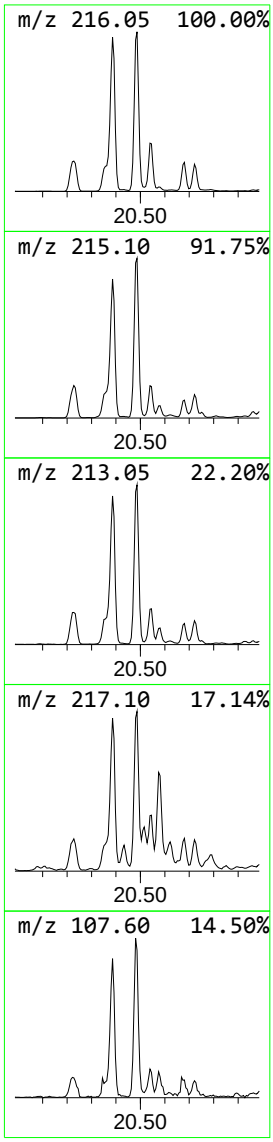
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.486	3.71 ng/ul	4466680	Chrysene-d12	21.651

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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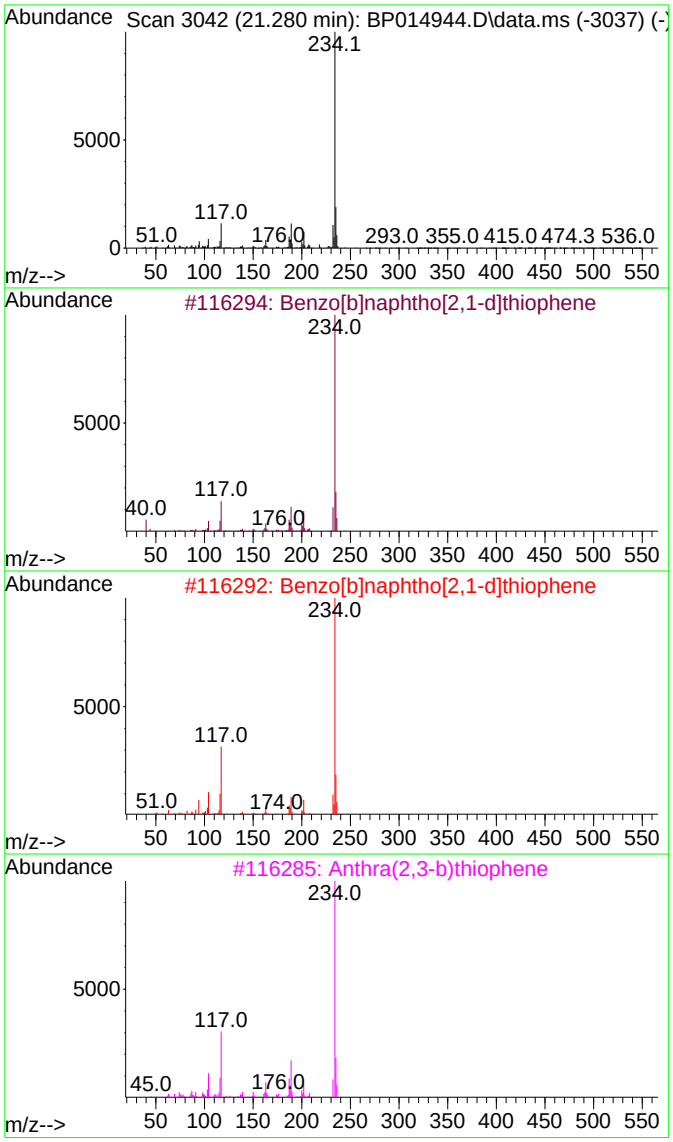
Quant Title : SVOA CALIBRATION

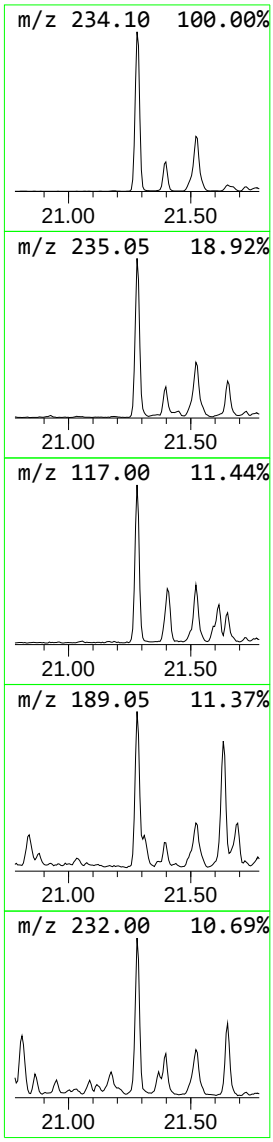
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.280	2.25 ng/ul	2710350	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	97
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96





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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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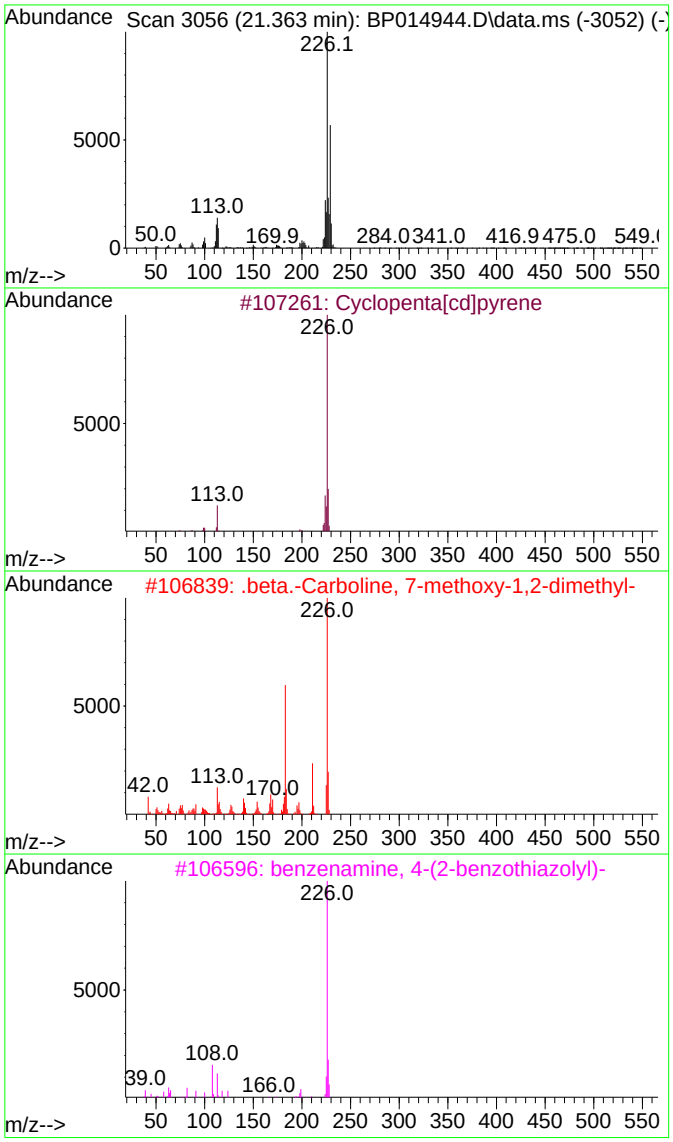
Quant Title : SVOA CALIBRATION

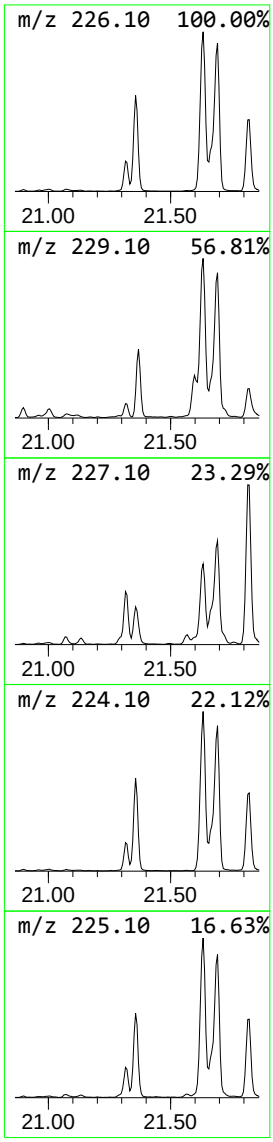
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.363	2.69 ng/ul	3235860	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	49
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	47
4	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	43
5	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	43





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Acq On : 04 May 2023 10:32
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Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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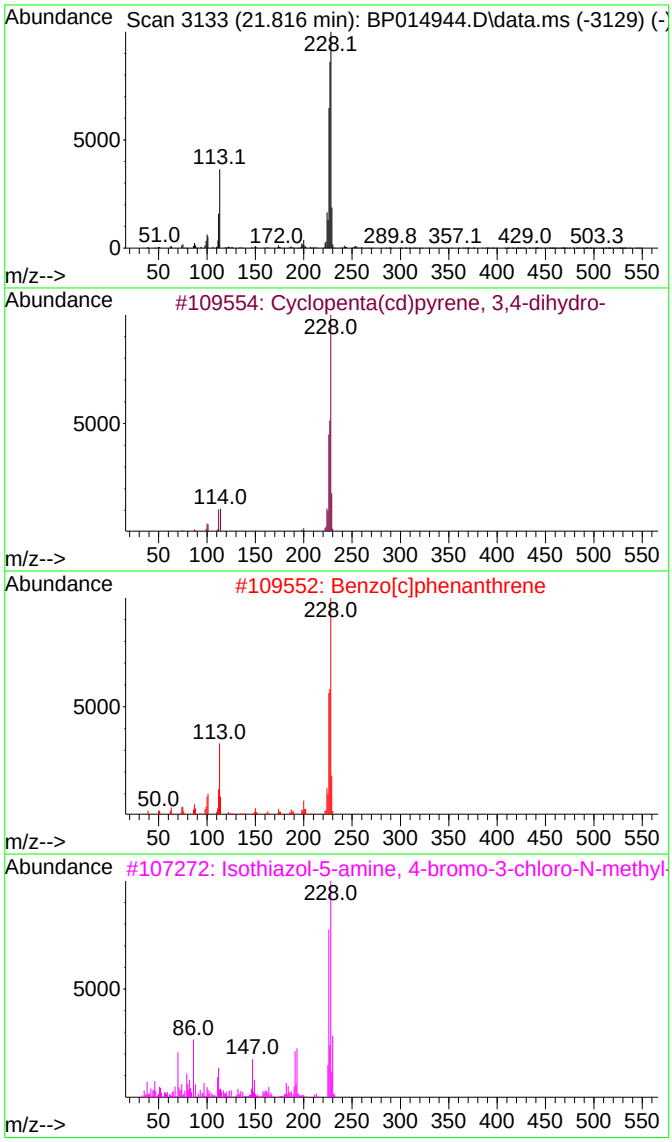
Quant Title : SVOA CALIBRATION

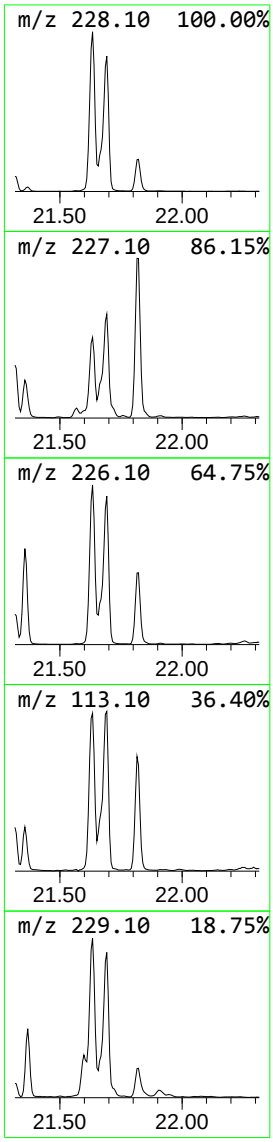
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.816	4.17 ng/ul	5018590	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	87
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	81
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	50





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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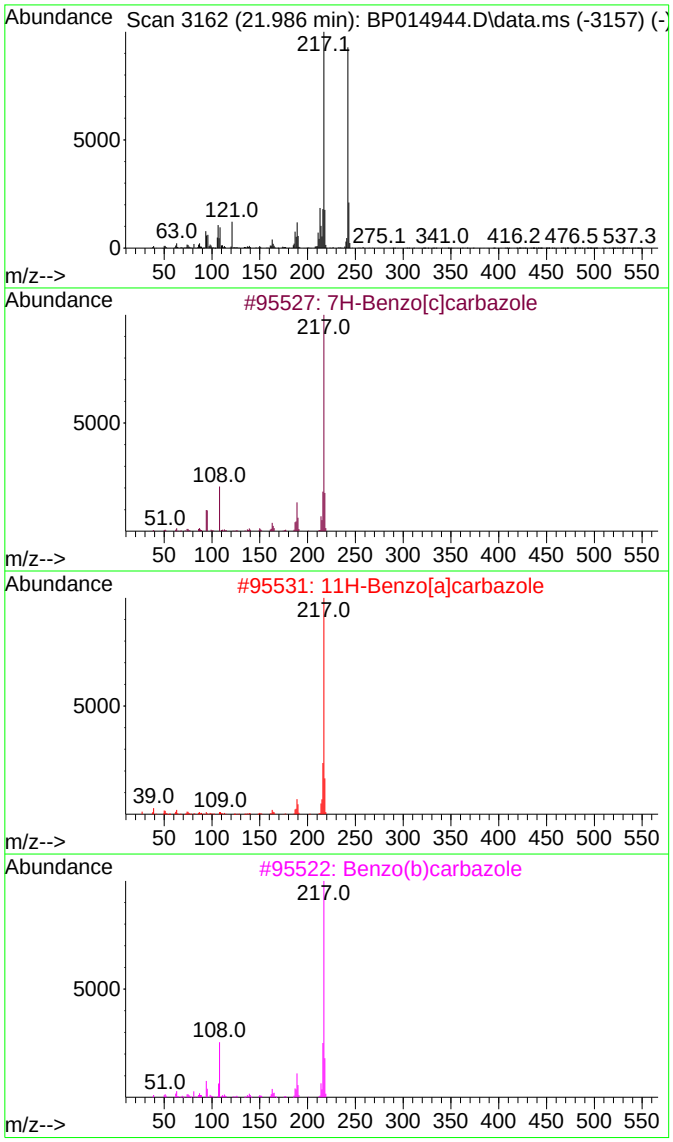
Quant Title : SVOA CALIBRATION

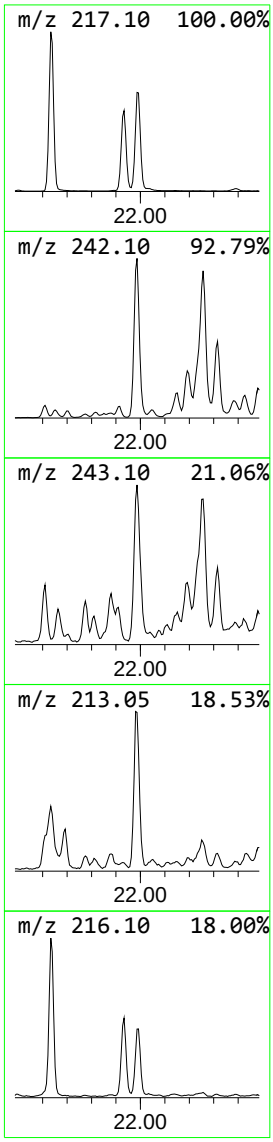
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 7H-Benzo[c]carbazole Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.986	2.00 ng/ul	2409460	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	89
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	50
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	50





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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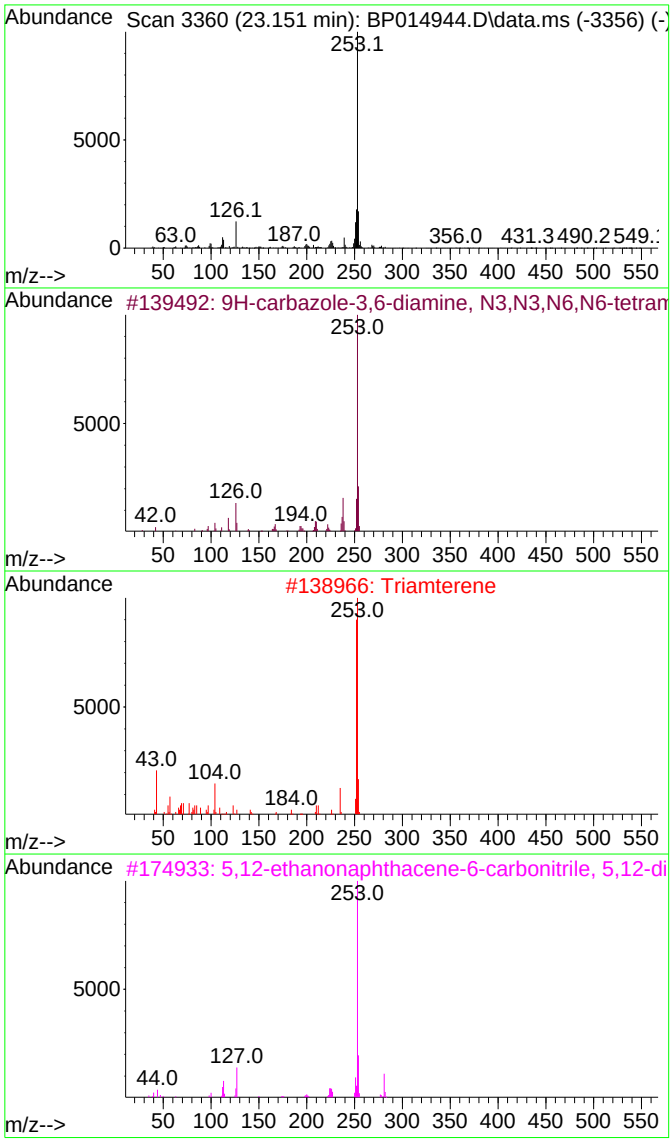
Quant Title : SVOA CALIBRATION

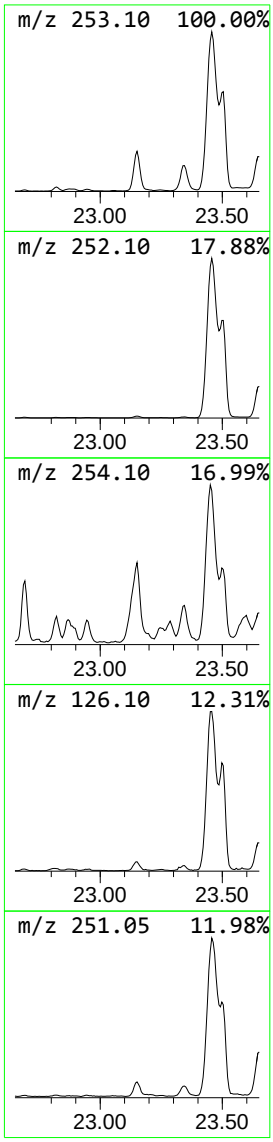
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 9H-carbazole-3,6-diamine, N... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.151	5.64 ng/ul	987728	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	64
2	Triamterene	253	C12H11N7	000396-01-0	59
3	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	56
4	5-Nitro-4-(pyrrol-1-yl)naphthale...	253	C14H11N3O2	1000443-35-3	50
5	Benzaldehyde, 4-((4-(dimethylami...	253	C15H15N3O	039208-00-9	50





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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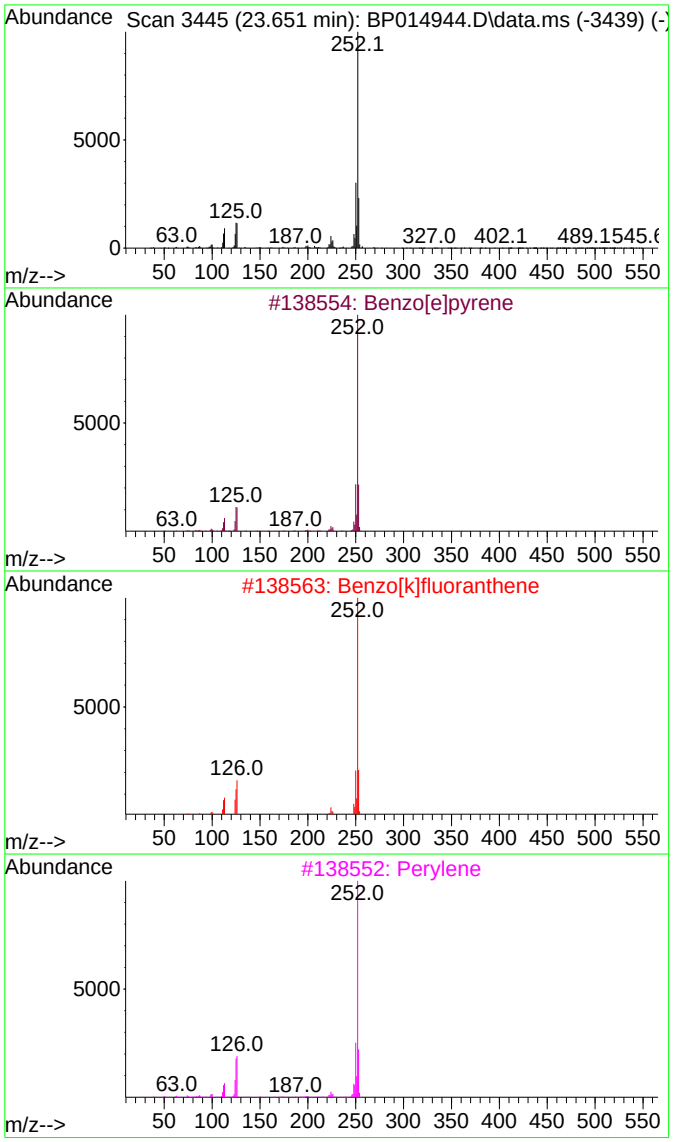
Quant Title : SVOA CALIBRATION

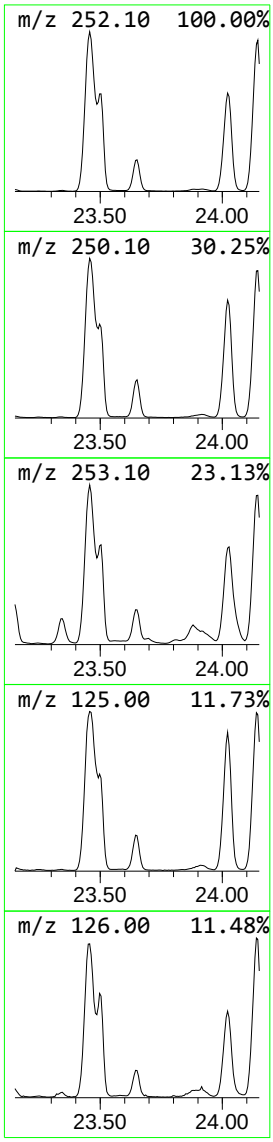
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.651	16.62 ng/ul	2911970	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Operator : CG/JU
Sample : 02447-23
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ALS Vial : 4 Sample Multiplier: 1

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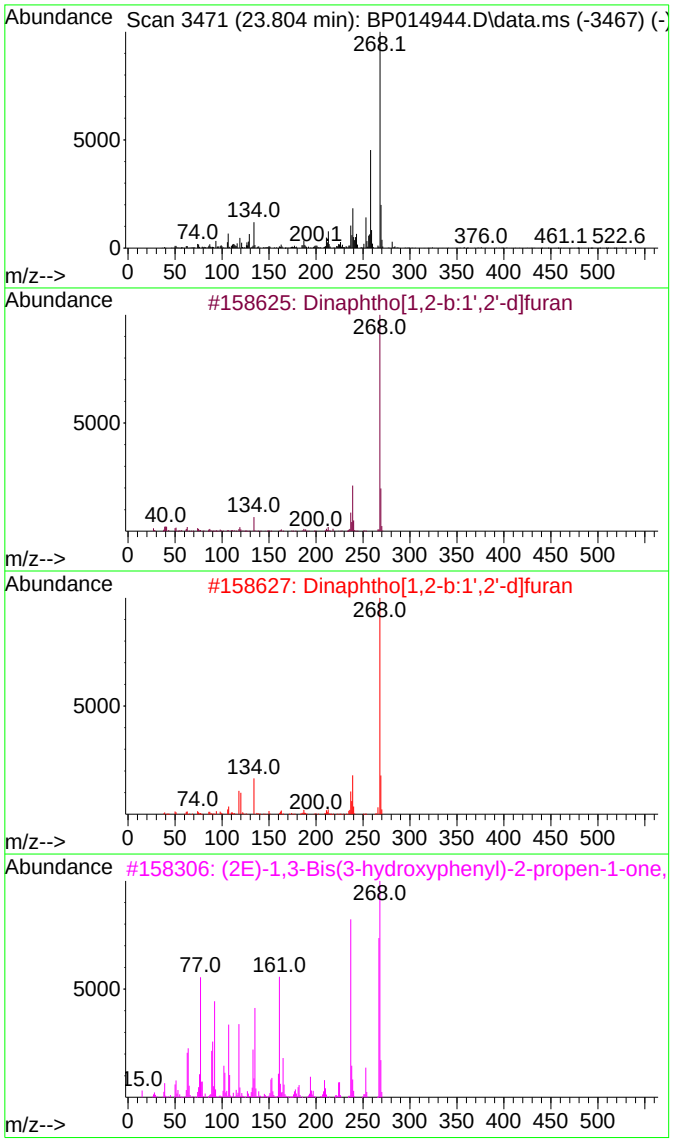
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

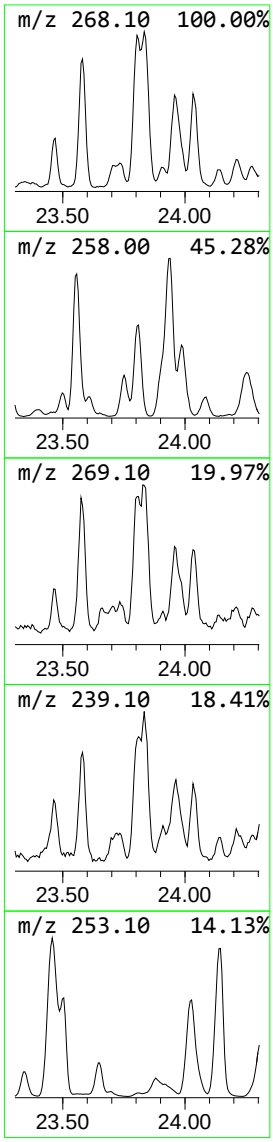
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.804	4.82 ng/ul	844424	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	92
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
3	(2E)-1,3-Bis(3-hydroxyphenyl)-2-...	268	C17H16O3	1000504-86-0	60
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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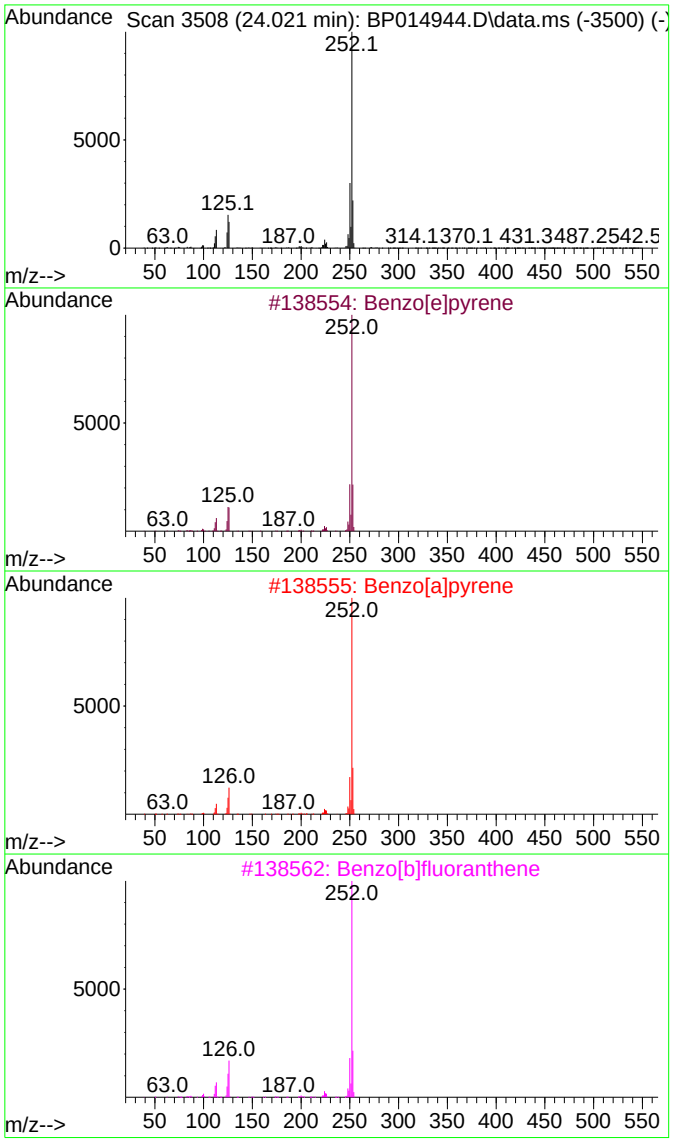
Quant Title : SVOA CALIBRATION

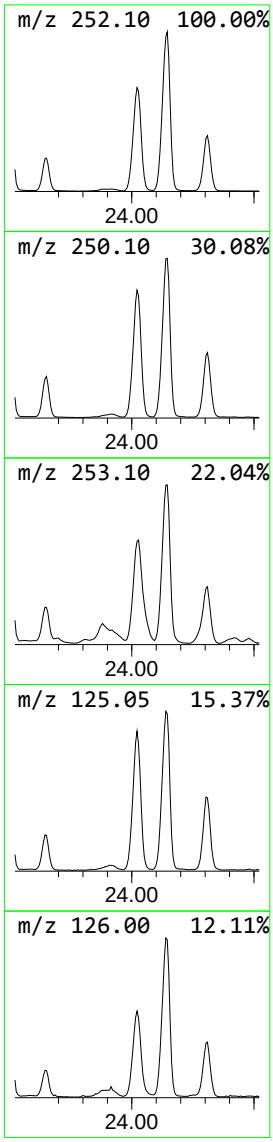
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.021	63.46 ng/ul	11118000	Perylene-d12	24.251

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	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95





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Quant Title : SVOA CALIBRATION

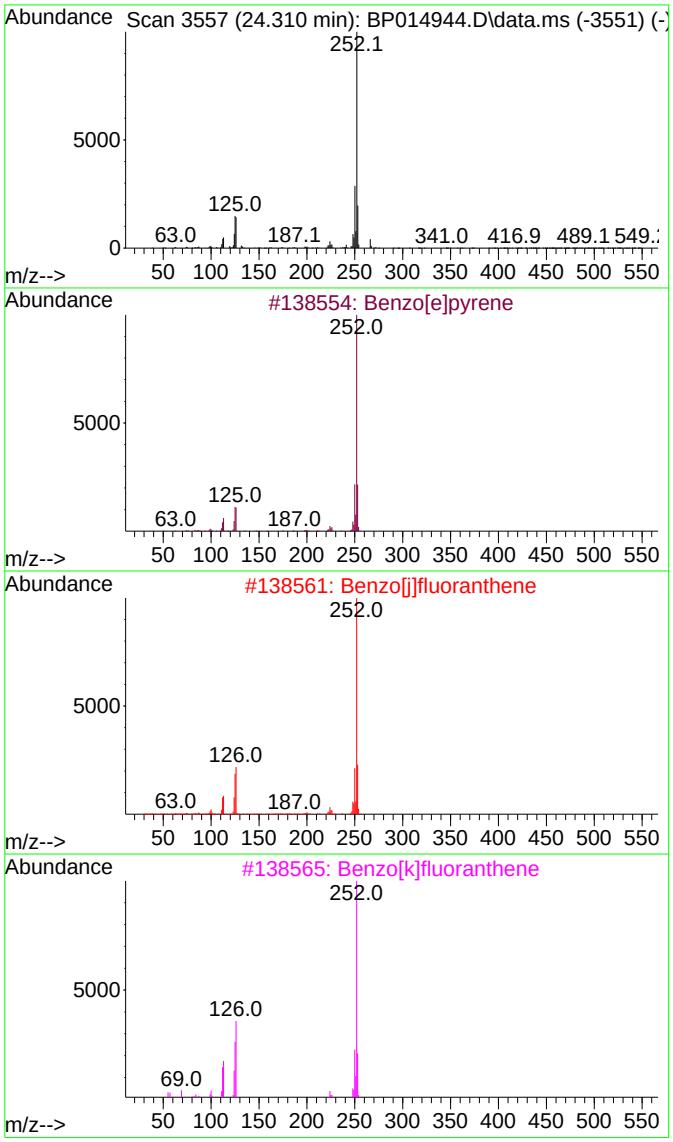
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

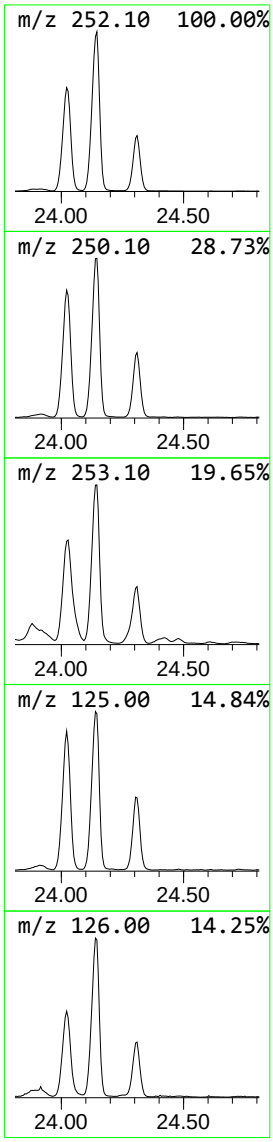
****

Peak Number 27 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.310	33.73 ng/ul	5908970	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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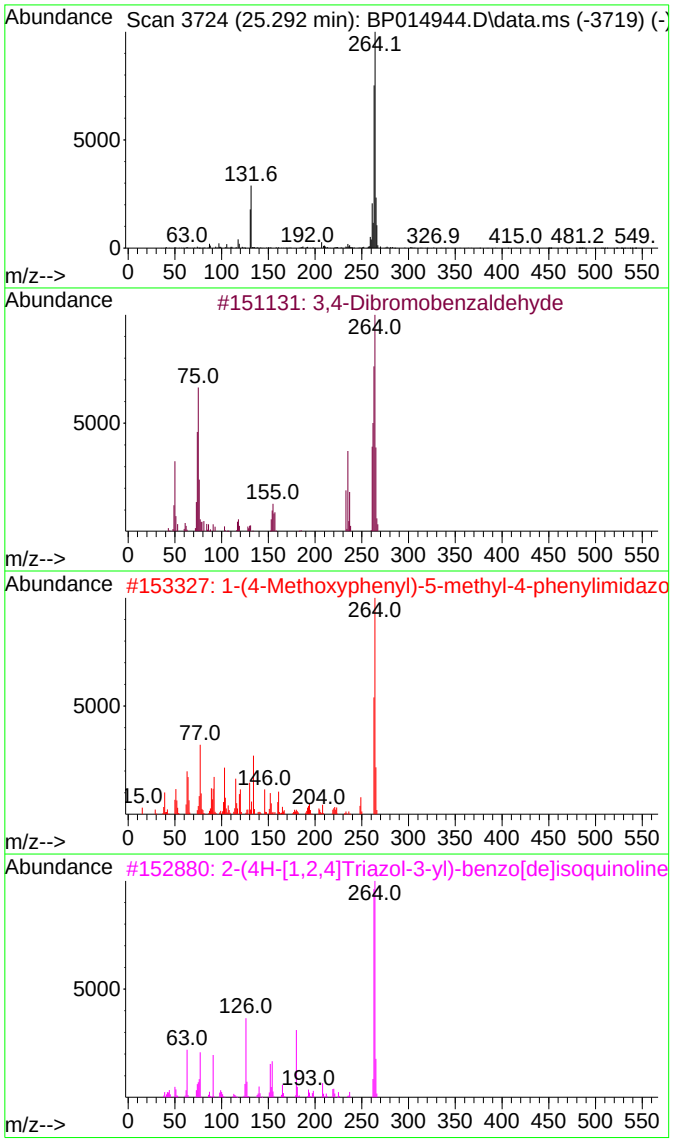
Quant Title : SVOA CALIBRATION

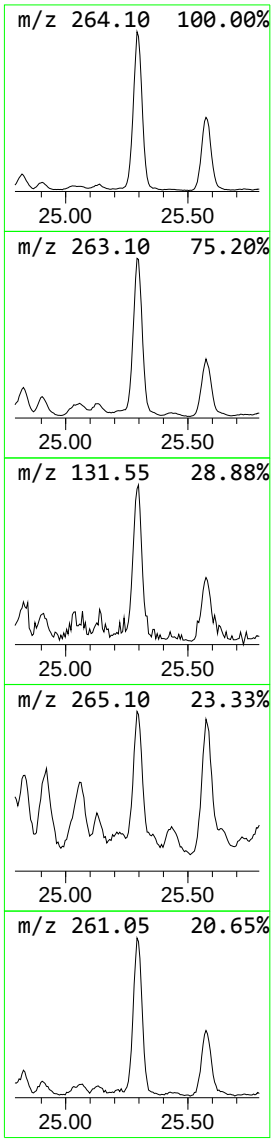
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 3,4-Dibromobenzaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.292	9.50 ng/ul	1664310	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	53
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	42
4	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	38
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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

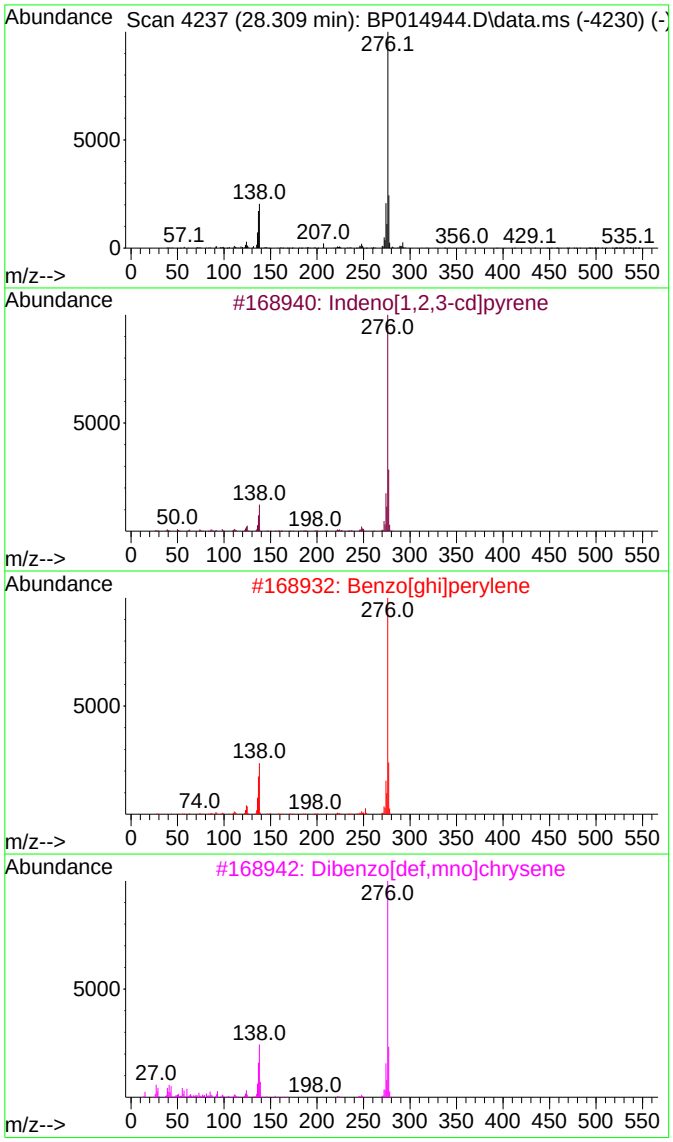
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

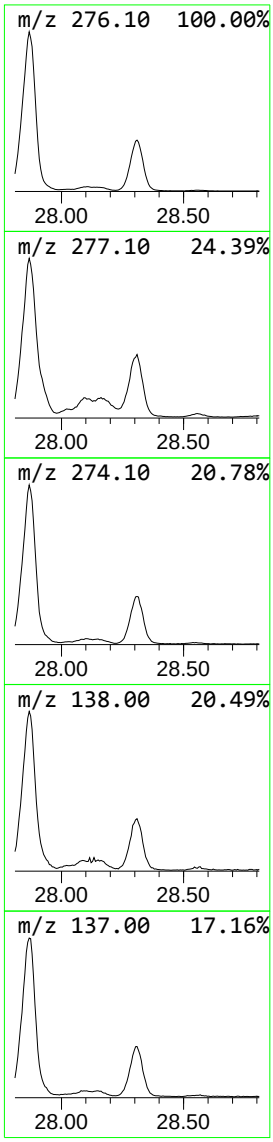
****

Peak Number 29 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.309	21.15 ng/ul	3705180	Perylene-d12	24.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014944.D
Acq On : 04 May 2023 10:32
Operator : CG/JU
Sample : 02447-23
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW941

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	4.011	4.9	ng/ul	393751	1	8.163	1618420	20.0
Benzophenone	16.157	9.4	ng/ul	1182760	3	14.810	2527730	20.0
Dibenzofuran, 4...	16.292	2.3	ng/ul	327666	4	17.569	2815630	20.0
9H-Fluorene, 2-...	16.863	2.3	ng/ul	320576	4	17.569	2815630	20.0
Dibenzothiophene	17.381	10.3	ng/ul	1454150	4	17.569	2815630	20.0
Acridine	17.751	2.9	ng/ul	413067	4	17.569	2815630	20.0
Naphthalene, 1-...	18.075	2.3	ng/ul	319123	4	17.569	2815630	20.0
Phenanthrene, 2...	18.422	9.9	ng/ul	1388170	4	17.569	2815630	20.0
Phenanthrene, 1...	18.463	12.6	ng/ul	1774870	4	17.569	2815630	20.0
Anthracene, 1-m...	18.545	4.4	ng/ul	615088	4	17.569	2815630	20.0
4H-Cyclopenta[d...	18.610	33.7	ng/ul	4739250	4	17.569	2815630	20.0
1,6-Methano-1H-...	18.798	2.9	ng/ul	412808	4	17.569	2815630	20.0
Naphthalene, 2-...	18.898	9.7	ng/ul	1360130	4	17.569	2815630	20.0
9,10-Anthracene...	18.939	4.2	ng/ul	583773	4	17.569	2815630	20.0
9,10-Dimethylan...	19.304	3.4	ng/ul	470915	4	17.569	2815630	20.0
Cyclopenta(def)...	19.439	3.8	ng/ul	531470	4	17.569	2815630	20.0
11H-Benzo[b]flu...	20.386	3.3	ng/ul	3994480	5	21.651	24094200	20.0
11H-Benzo[a]flu...	20.486	3.7	ng/ul	4466680	5	21.651	24094200	20.0
Benzo[b]naphtho...	21.280	2.3	ng/ul	2710350	5	21.651	24094200	20.0
Cyclopenta[cd]p...	21.363	2.7	ng/ul	3235860	5	21.651	24094200	20.0
Cyclopenta(cd)p...	21.816	4.2	ng/ul	5018590	5	21.651	24094200	20.0
7H-Benzo[c]carb...	21.986	2.0	ng/ul	2409460	5	21.651	24094200	20.0
9H-carbazole-3,...	23.151	5.6	ng/ul	987728	6	24.251	3504210	20.0
Benzo[e]pyrene	23.651	16.6	ng/ul	2911970	6	24.251	3504210	20.0
Dinaphtho[1,2-b...	23.804	4.8	ng/ul	844424	6	24.251	3504210	20.0
Perylene	24.021	63.5	ng/ul	11118000	6	24.251	3504210	20.0
Benzo[j]fluoran...	24.310	33.7	ng/ul	5908970	6	24.251	3504210	20.0
3,4-Dibromobenz...	25.292	9.5	ng/ul	1664310	6	24.251	3504210	20.0
Dibenzo[def,mno...	28.309	21.1	ng/ul	3705180	6	24.251	3504210	20.0