LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4734DL

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_G\Methods\SFAM-EPA-BG071723.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG058474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.975	145	151	162	rBV3	69887	130268	5.67%	0.541%
2	4.545	243	248	253	rVV	182863	280965	12.23%	1.167%
3	4.586	253	255	261	rVB	38286	51628	2.25%	0.214%
4	6.642	601	605	612	rVV2	19857	38365	1.67%	0.159%
5	6.983	654	663	669	rVV3	19784	47315	2.06%	0.197%
6	7.142	684	690	699	rBV	20805	38791	1.69%	0.161%
7	7.348	719	725	734	rVB	26594	44883	1.95%	0.186%
8	7.818	798	805	814	rVB	174775	311137	13.55%	1.292%
9	8.528	921	926	934	rBV	22343	44109	1.92%	0.183%
10	8.640	940	945	954	rVB	25029	44410	1.93%	0.184%
11	8.981	995	1003	1011	rBV	22728	46797	2.04%	0.194%
12	10.250	1206	1219	1224	rBV7	20212	53419	2.33%	0.222%
13	10.620	1270	1282	1287	rVV	253352	467207	20.34%	1.941%
14	10.667	1287	1290	1301	rVB	66356	111130	4.84%	0.462%
15	12.283	1559	1565	1571	rVB	37492	62642	2.73%	0.260%
16	12.500	1596	1602	1608	rBV2	31162	55084	2.40%	0.229%
17	13.634	1787	1795	1803	rBV4	15851	45873	2.00%	0.191%
18	13.781	1812	1820	1825	rBV2	30355	58129	2.53%	0.241%
19	13.869	1825	1835	1840	rVV2	74861	146749	6.39%	0.610%
20	14.157	1878	1884	1888	rBV	63488	108837	4.74%	0.452%
21	14.463	1926	1936	1942	rVV	418538	683128	29.74%	2.838%
22	14.527	1942	1947	1954	rVV	195002	312242	13.59%	1.297%
23	14.768	1983	1988	1994	rVV3	21683	40182	1.75%	0.167%
24	14.862	1998	2004	2013	rVV	131612	217494	9.47%	0.903%
25	15.250	2063	2070	2073	rBV4	22957	38794	1.69%	0.161%
26	15.456	2099	2105	2109	rVV	102891	161300	7.02%	0.670%
27	15.509	2109	2114	2124	rVV	211419	338727	14.75%	1.407%
28	15.638	2132	2136	2138	rVV2	25310	39562	1.72%	0.164%
29	15.673	2138	2142	2145	rVV2	36379	56514	2.46%	0.235%
30	15.714	2145	2149	2154	rVV2	60248	93210	4.06%	0.387%
31	15.802	2160	2164	2171	rVB	54237	88549	3.85%	0.368%
32	15.955	2183	2190	2198	rVV	57800	124697	5.43%	0.518%
33	16.043	2198	2205	2211	rVB4	18084	38328	1.67%	0.159%
34	16.184	2221	2229	2235	rVB4	17758	40445	1.76%	0.168%
35	16.319	2242	2252	2256	rBV6	35204	82040	3.57%	0.341%
36	16.437	2268	2272	2276	rBV	37831	55167	2.40%	0.229%

LSC Area Percent Report

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Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

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_G\Methods\SFAM-EPA-BG071723.MA.M
Title : SVOA CALIBRATION

37	16.513	2277	2285	2290	rVV4	38927	88313	3.84%	0.367%
38	16.737	2316	2323	2327	rBV4	65450	121663	5.30%	0.505%
39	16.860	2340	2344	2351	rVB	38533	64452	2.81%	0.268%
40	16.960	2353	2361	2367	rBV4	44398	117896	5.13%	0.490%
41	17.024	2367	2372	2378	rVV	76679	127407	5.55%	0.529%
42	17.083	2378	2382	2385	rVV2	103822	148526	6.47%	0.617%
43	17.118	2385	2388	2393	rVB	80476	108497	4.72%	0.451%
44	17.207	2396	2403	2407	rBV	512473	910316	39.63%	3.781%
45	17.254	2407	2411	2416	rVV	1456749	2131538	92.80%	8.854%
46	17.306	2416	2420	2422	rVV2	124709	181986	7.92%	0.756%
47	17.342	2422	2426	2430	rVV	309849	470138	20.47%	1.953%
48	17.383	2430	2433	2440	rVB3	104739	182229	7.93%	0.757%
49	17.612	2465	2472	2476	rBV2	48636	102019	4.44%	0.424%
50	17.659	2476	2480	2482	rVV2	63122	95471	4.16%	0.397%
51	17.688	2482	2485	2488	rVV3	52068	74216	3.23%	0.308%
52	17.724	2488	2491	2498	rVV2	31915	50582	2.20%	0.210%
53	17.806	2498	2505	2511	rVB3	196423	407201	17.73%	1.691%
54	17.923	2520	2525	2531	rBV3	43367	71664	3.12%	0.298%
55	18.082	2543	2552	2556	rBV	158884	311862	13.58%	1.295%
56	18.135	2556	2561	2565	rVV	213463	321487	14.00%	1.335%
57	18.211	2569	2574	2579	rVB	83989	124700	5.43%	0.518%
58	18.282	2579	2586	2590	rBV2	291535	551545	24.01%	2.291%
59	18.317	2590	2592	2599	rVB3	112251	193855	8.44%	0.805%
60	18.382	2599	2603	2608	rVB3	52405	80796	3.52%	0.336%
61	18.581	2630	2637	2641	rBV	129697	216373	9.42%	0.899%
62	18.628	2641	2645	2649	rVB	57113	81968	3.57%	0.340%
63	18.828	2675	2679	2684	rVB3	55524	76958	3.35%	0.320%
64	18.881	2684	2688	2690	rBV	31705	42327	1.84%	0.176%
65	18.999	2703	2708	2713	rBV	72190	137085	5.97%	0.569%
66	19.093	2722	2724	2728	rVV2	53579	55736	2.43%	0.232%
67	19.140	2728	2732	2740	rVV5	69548	126552	5.51%	0.526%
68	19.269	2747	2754	2759	rBV	1634871	2296998	100.00%	9.541%
69	19.316	2759	2762	2767	rVV3	58006	104013	4.53%	0.432%
70	19.363	2767	2770	2774	rVV	56811	84058	3.66%	0.349%
71	19.398	2774	2776	2782	rVV3	26995	46790	2.04%	0.194%
72	19.463	2782	2787	2789	rVV5	27103	48321	2.10%	0.201%
73	19.516	2793	2796	2804	rVV5	54675	103105	4.49%	0.428%
74	19.598	2804	2810	2812	rVV3	371538	559817	24.37%	2.325%
75	19.627	2812	2815	2823	rVV	411461	648350	28.23%	2.693%
76	19.698	2823	2827	2832	rVB3	88333	138125	6.01%	0.574%

LSC Area Percent Report

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Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

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_G\Methods\SFAM-EPA-BG071723.MA.M
Title : SVOA CALIBRATION

77	19.804	2841	2845	2850	rVB	89192	134813	5.87%	0.560%
78	19.868	2852	2856	2864	rVB	49685	87709	3.82%	0.364%
79	19.950	2864	2870	2877	rBV3	97710	237443	10.34%	0.986%
80	20.121	2887	2899	2904	rBV	255367	511049	22.25%	2.123%
81	20.221	2911	2916	2920	rBV	210346	295366	12.86%	1.227%
82	20.274	2920	2925	2929	rVV3	88405	185868	8.09%	0.772%
83	20.315	2929	2932	2936	rVB	47447	54495	2.37%	0.226%
84	20.356	2936	2939	2944	rVB2	44390	56529	2.46%	0.235%
85	20.462	2954	2957	2961	rVB2	43372	55652	2.42%	0.231%
86	20.561	2971	2974	2980	rVB6	46246	77452	3.37%	0.322%
87	20.832	3016	3020	3023	rBV4	59139	100273	4.37%	0.417%
88	20.873	3023	3027	3033	rVB	80082	131367	5.72%	0.546%
89	21.043	3053	3056	3060	rVV	56898	77154	3.36%	0.320%
90	21.084	3060	3063	3068	rVV	106969	145654	6.34%	0.605%
91	21.137	3068	3072	3077	rVV3	77126	135426	5.90%	0.563%
92	21.190	3077	3081	3088	rVB2	68357	128388	5.59%	0.533%
93	21.337	3102	3106	3111	rVB	125624	167504	7.29%	0.696%
94	21.437	3117	3123	3129	rBV3	764924	1826441	79.51%	7.587%
95	21.496	3129	3133	3144	rVB	529915	898548	39.12%	3.732%
96	21.637	3153	3157	3163	rBV4	31337	54548	2.37%	0.227%
97	22.148	3240	3244	3249	rVB	99329	162213	7.06%	0.674%
98	22.207	3251	3254	3264	rVB2	71633	145072	6.32%	0.603%
99	23.546	3474	3482	3488	rBV	332064	968142	42.15%	4.022%
100	24.522	3638	3648	3658	rBV	368228	1033930	45.01%	4.295%

Sum of corrected areas: 24074088

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
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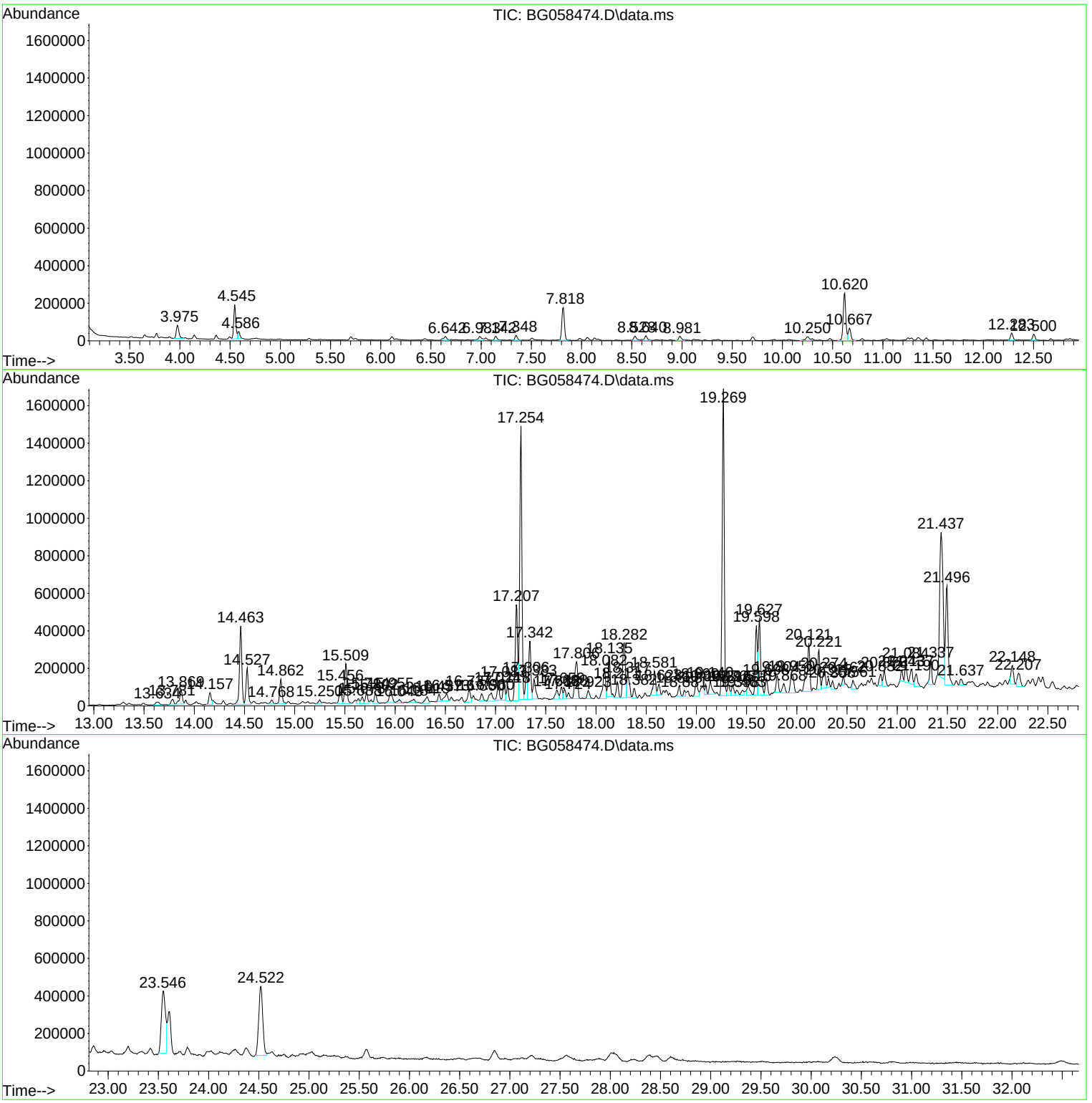
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

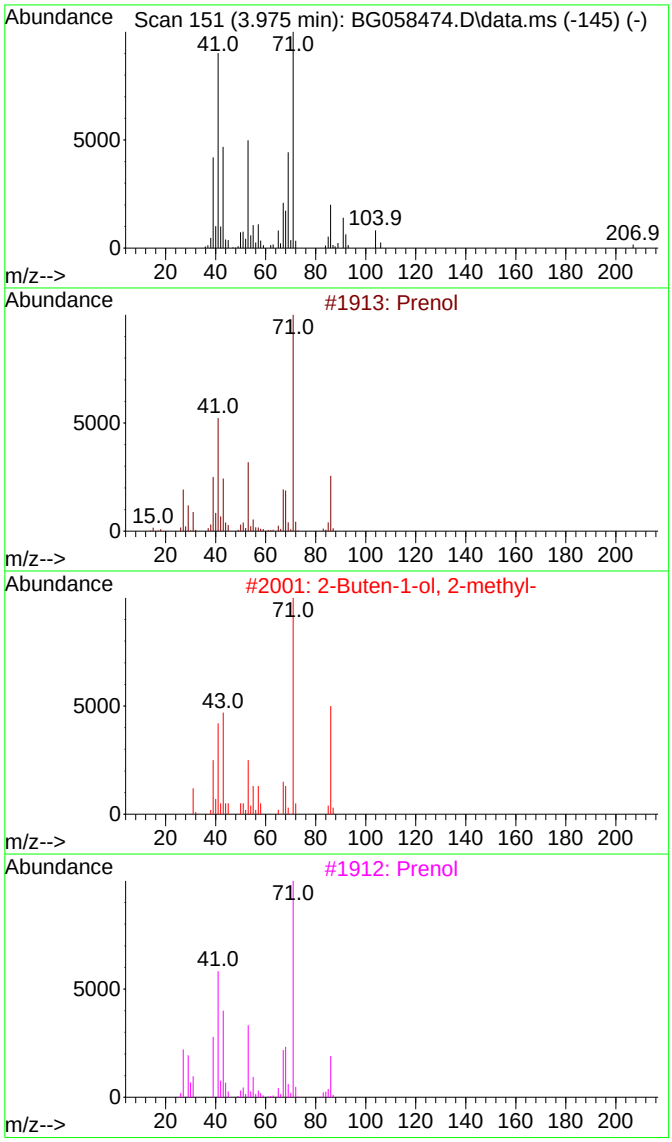
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

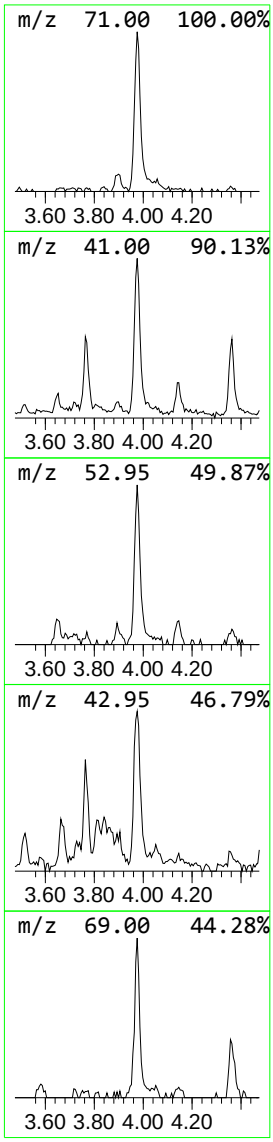
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.975	8.37 ng/ul	130268	1,4-Dichlorobenzene-d4	7.818

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Prenol	86	C5H10O	000556-82-1	38
2	2-Buten-1-ol, 2-methyl-	86	C5H10O	004675-87-0	37
3	Prenol	86	C5H10O	000556-82-1	30
4	Prenol	86	C5H10O	000556-82-1	25
5	1-Butene, 1-methoxy-	86	C5H10O	029512-02-5	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

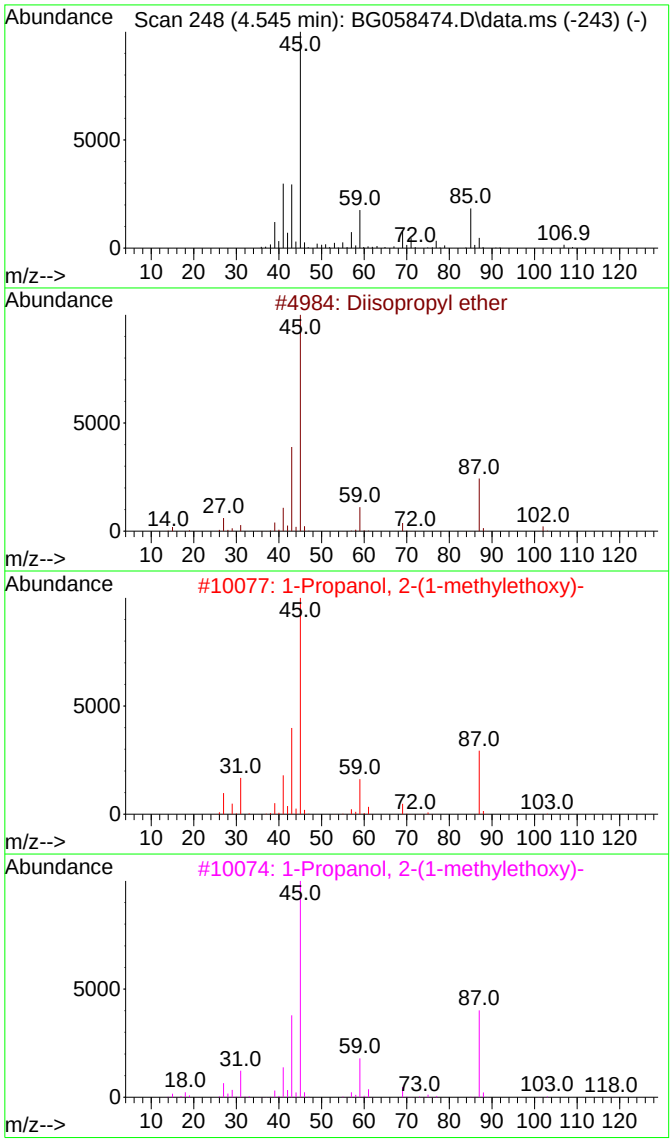
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

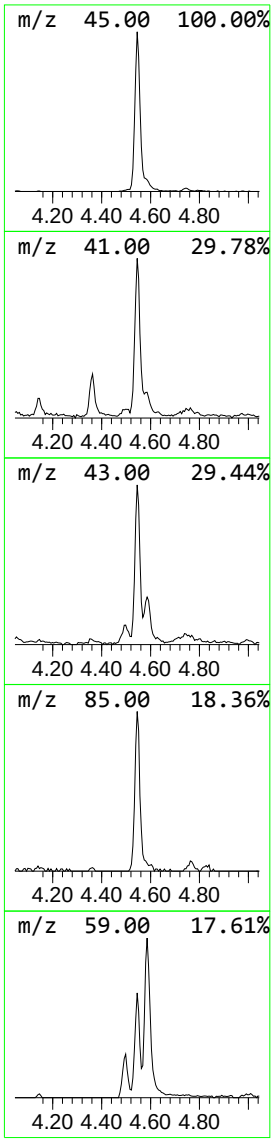
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.545	18.06 ng/ul	280965	1,4-Dichlorobenzene-d4	7.818

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	64
2	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	64
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	50
4	(R)-(-)-3-Methyl-2-butanol	88	C5H12O	001572-93-6	50
5	Butane, 2-ethoxy-	102	C6H14O	002679-87-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

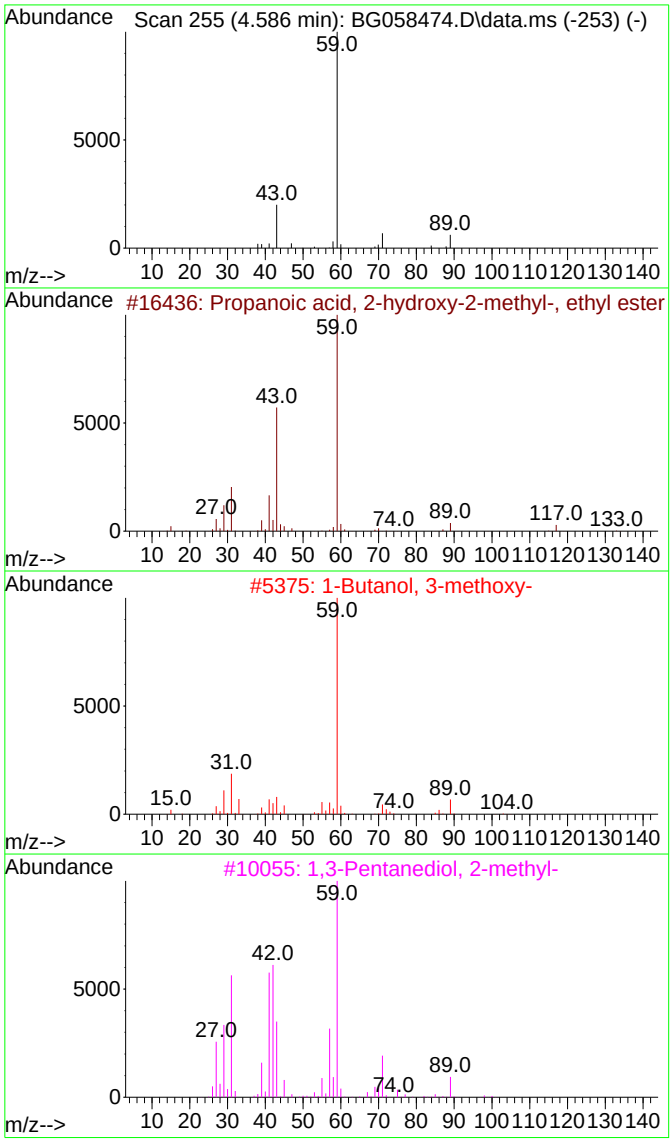
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

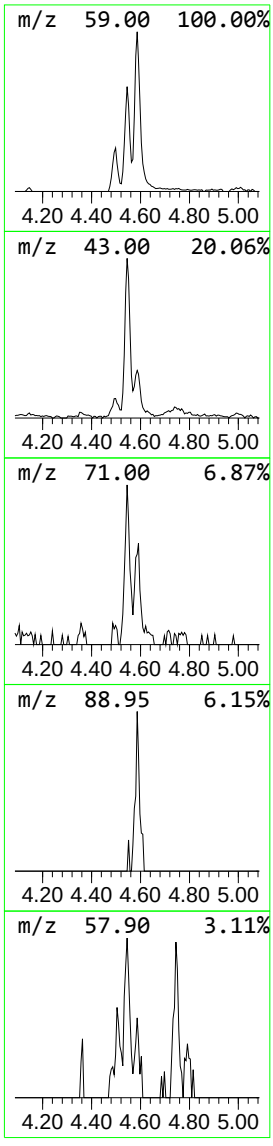
****

Peak Number 3 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.586	3.32 ng/ul	51628	1,4-Dichlorobenzene-d4	7.818

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9
2	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	4
3	1,3-Pentanediol, 2-methyl-	118	C6H14O2	000149-31-5	4
4	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	4
5	2-Hydroxy-2-methylhept-6-en-3-one	142	C8H14O2	000996-61-2	4





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

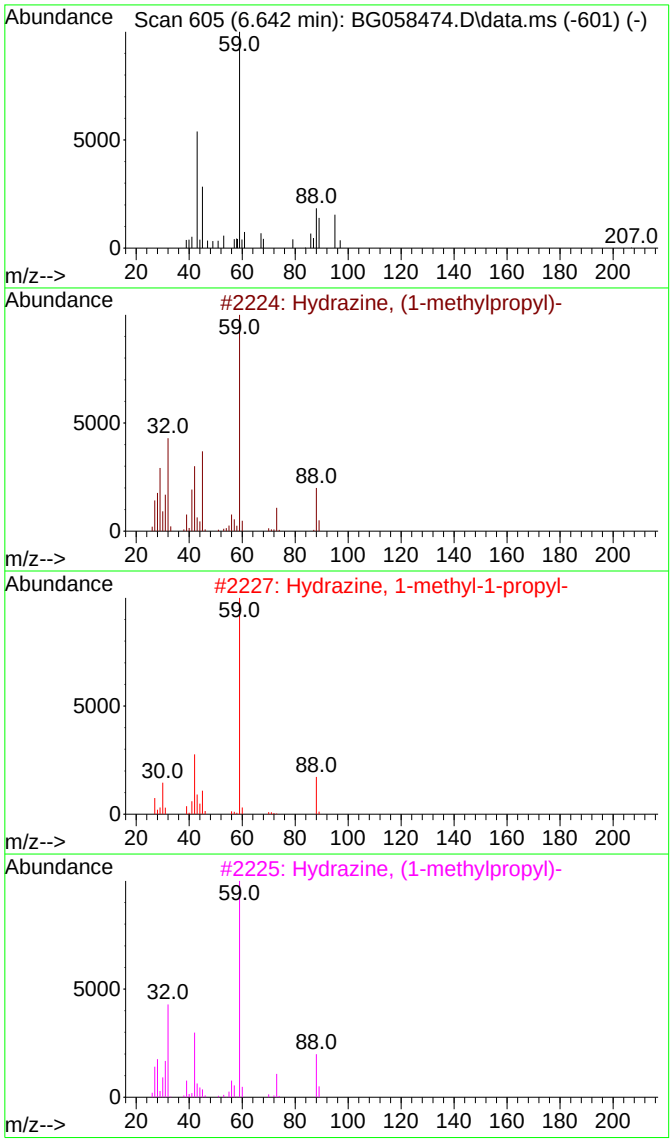
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

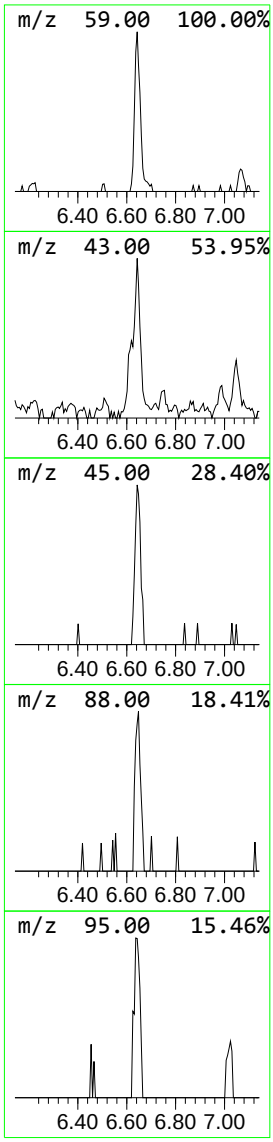
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hydrazine, (1-methylpropyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.642	2.47 ng/ul	38365	1,4-Dichlorobenzene-d4	7.818

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, (1-methylpropyl)-	88	C4H12N2	030924-14-2	59
2	Hydrazine, 1-methyl-1-propyl-	88	C4H12N2	004986-49-6	47
3	Hydrazine, (1-methylpropyl)-	88	C4H12N2	030924-14-2	47
4	Hydrazine, 1-methyl-1-propyl-	88	C4H12N2	004986-49-6	37
5	dl-Threonine, methyl ester	133	C5H11NO3	1000130-33-2	36





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

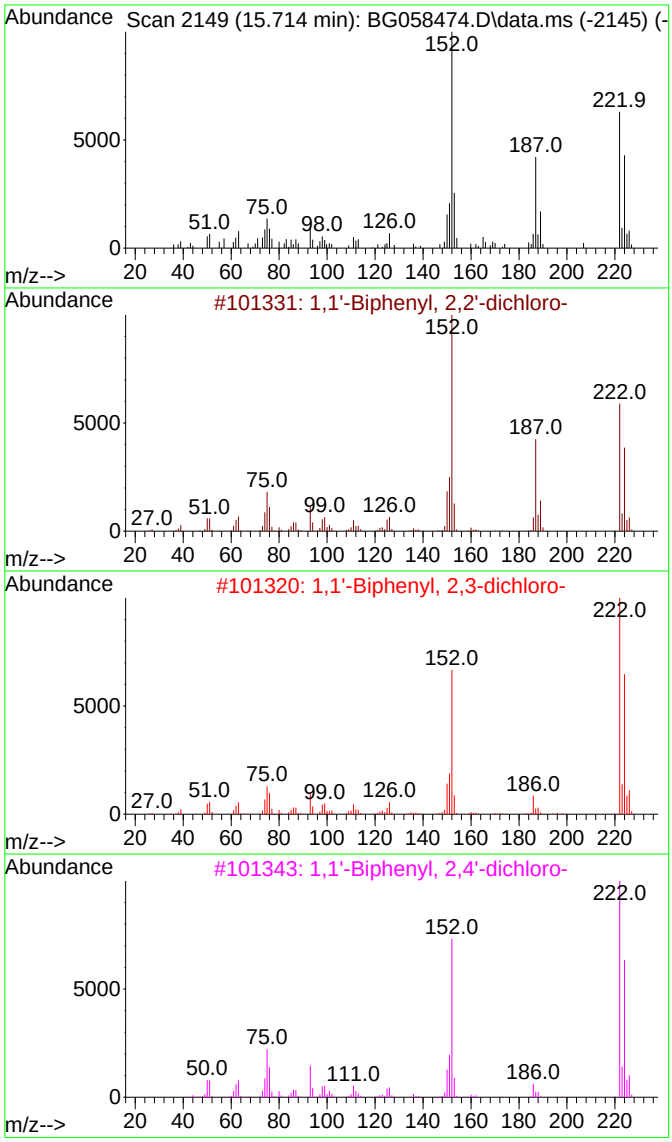
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

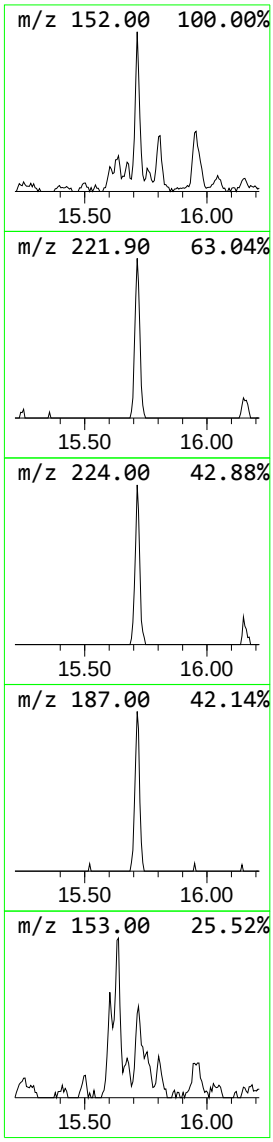
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.714	2.73 ng/ul	93210	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
3	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	95
4	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	95
5	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	95





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Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

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Quant Title : SVOA CALIBRATION

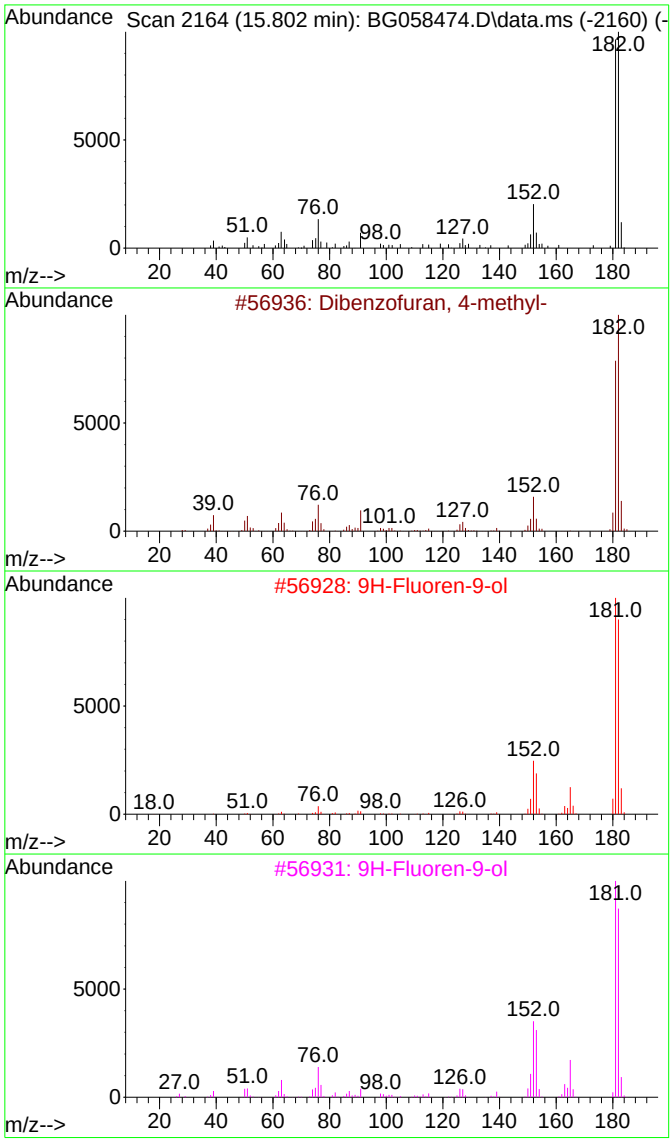
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

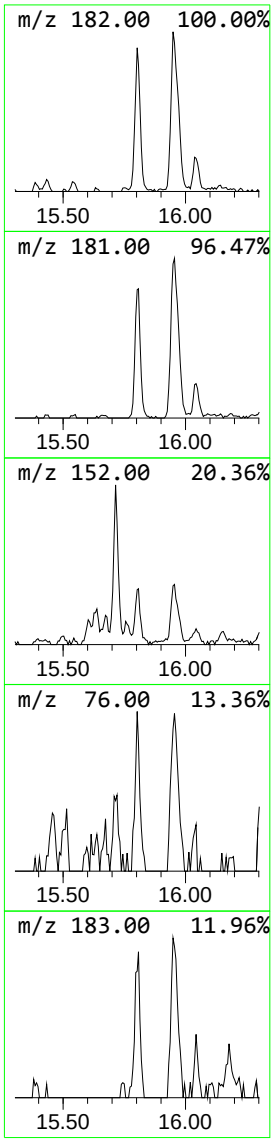
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.802	2.59 ng/ul	88549	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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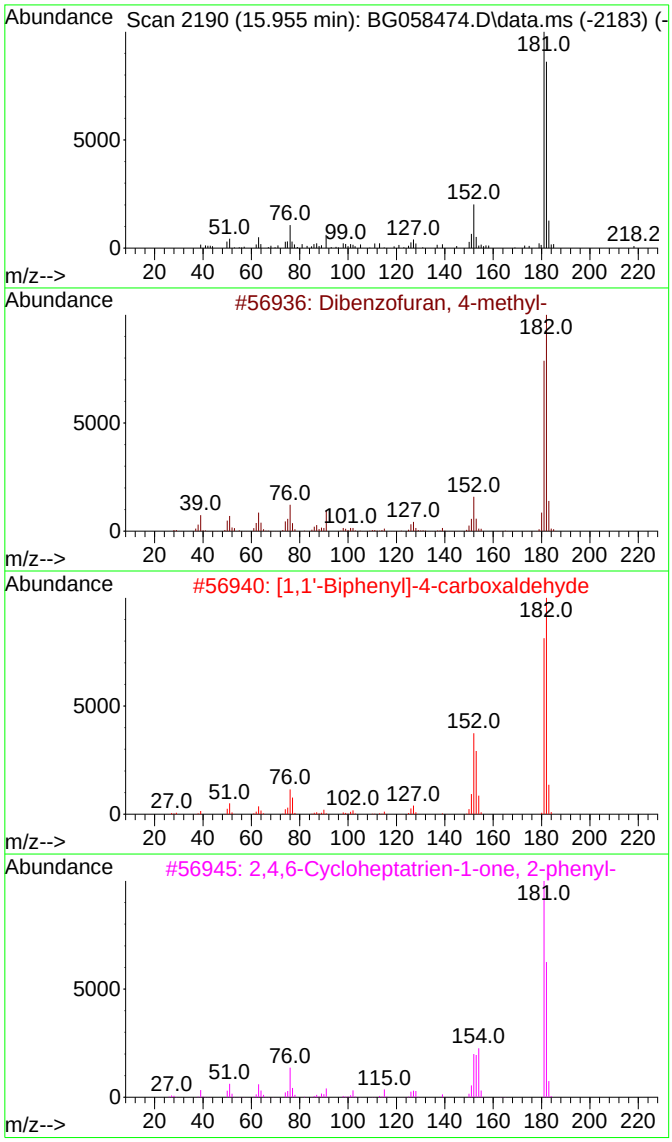
Quant Title : SVOA CALIBRATION

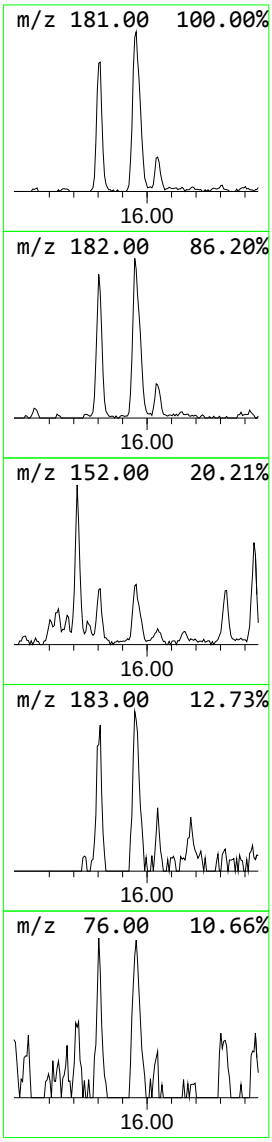
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.955	2.74 ng/ul	124697	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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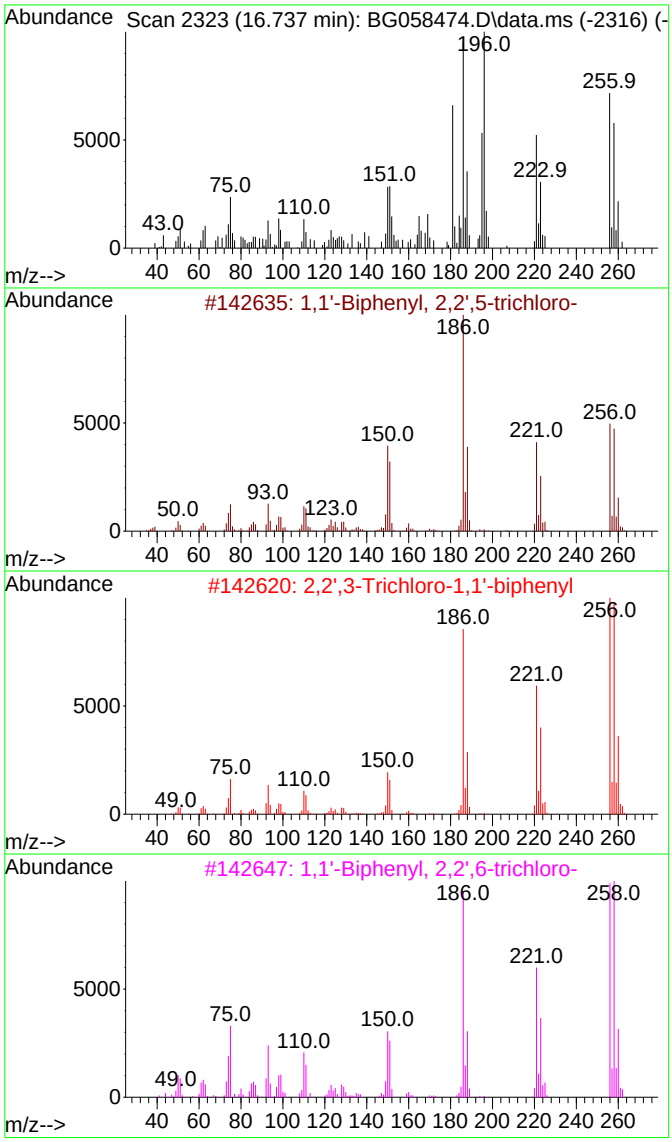
Quant Title : SVOA CALIBRATION

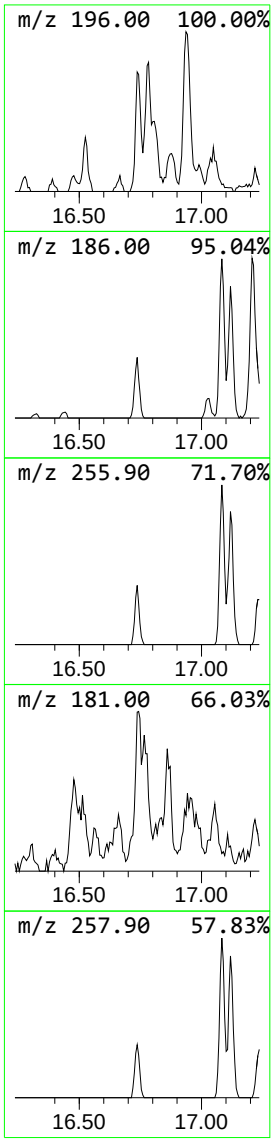
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.736	2.67 ng/ul	121663	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
2	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	96
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	95
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	95





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Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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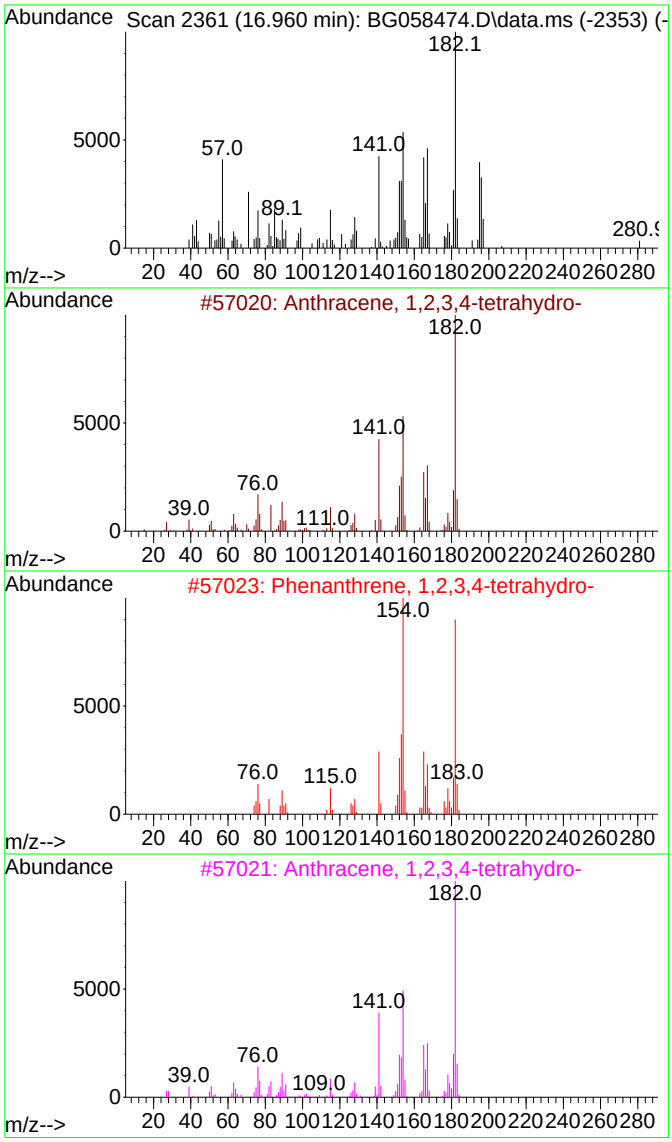
Quant Title : SVOA CALIBRATION

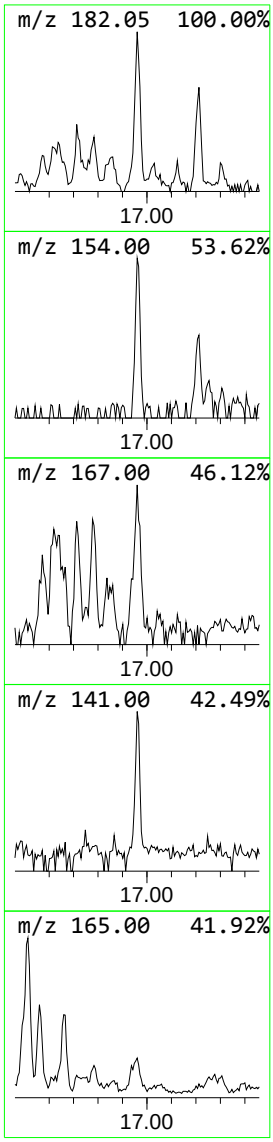
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.960	2.59 ng/ul	117896	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	60
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55





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ClientSampleId :
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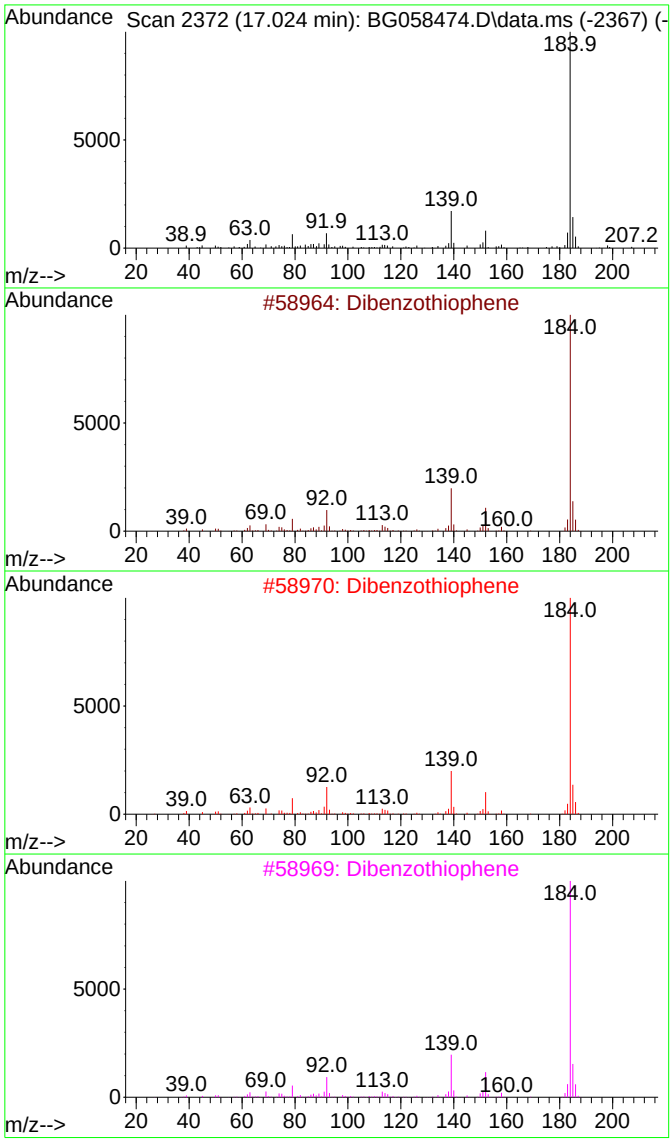
Quant Title : SVOA CALIBRATION

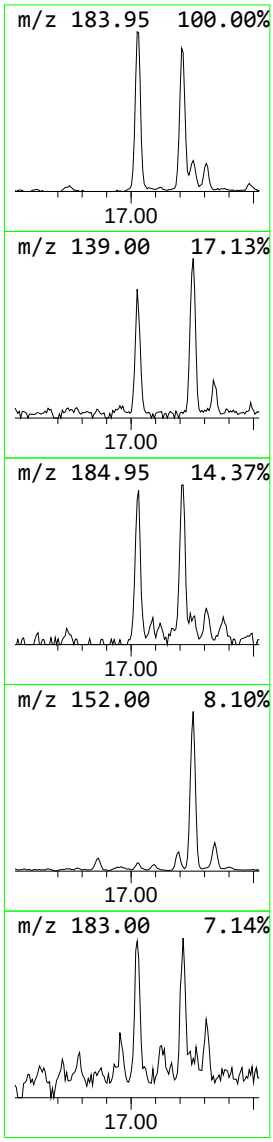
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.024	2.80 ng/ul	127407	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95





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Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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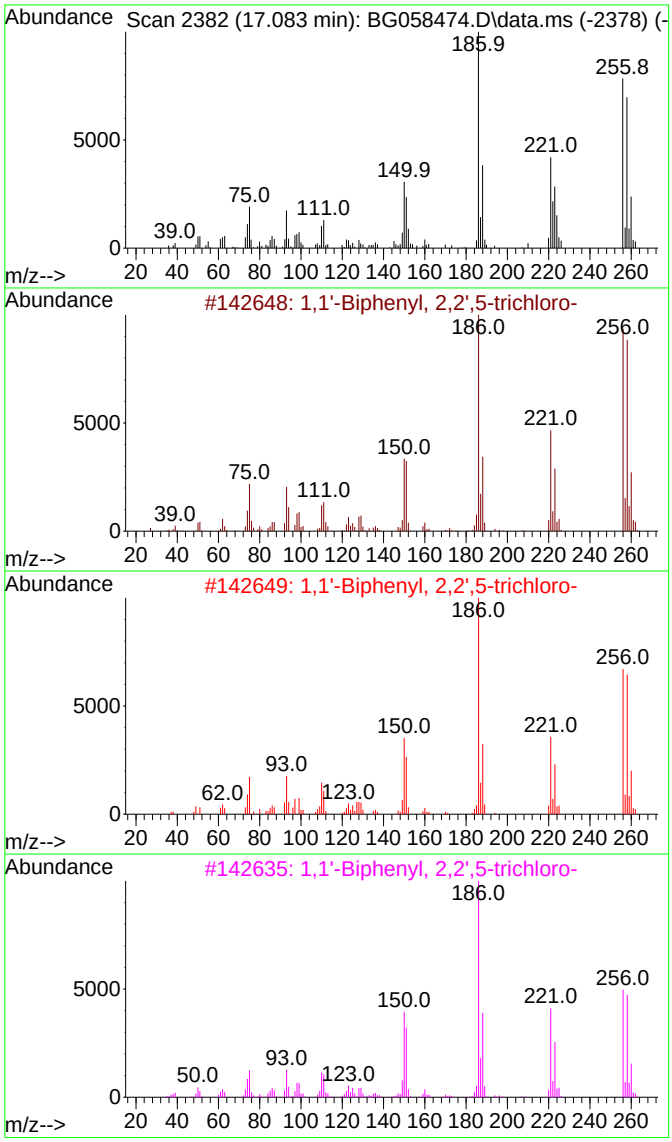
Quant Title : SVOA CALIBRATION

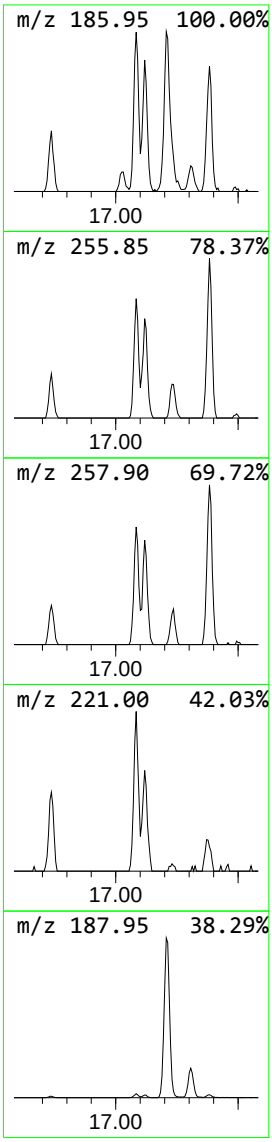
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 2,2',3-Trichloro-1,1'-biphenyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.083	3.26 ng/ul	148526	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
4	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	98
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
A4734DL

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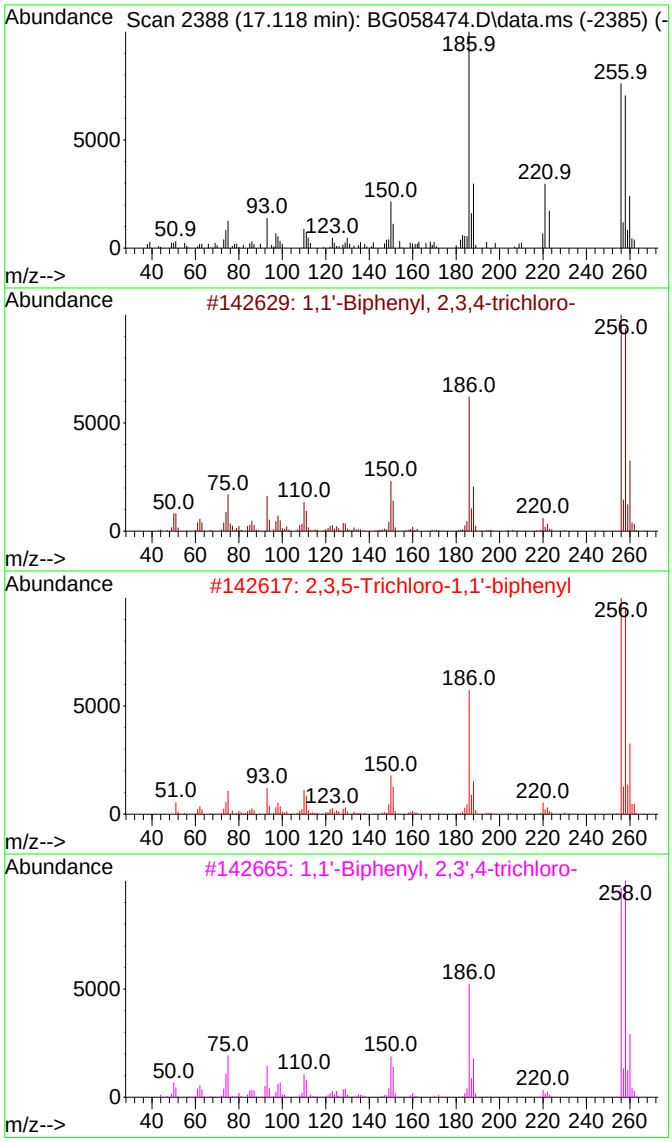
Quant Title : SVOA CALIBRATION

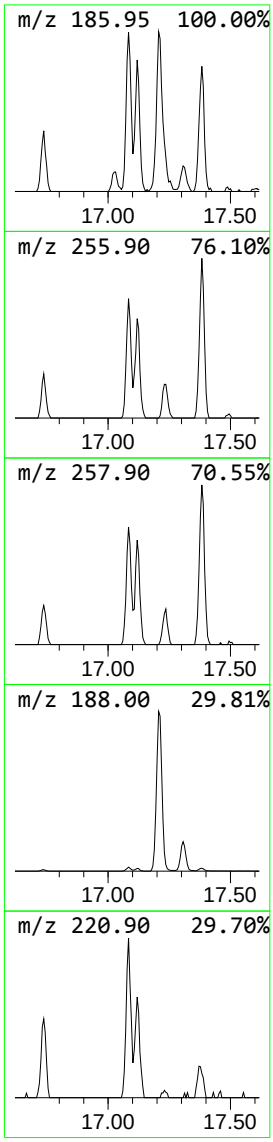
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.118	2.38 ng/ul	108497	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
2	2,3,5-Trichloro-1,1'-biphenyl	256	C12H7Cl3	055720-44-0	97
3	1,1'-Biphenyl, 2,3',4-trichloro-	256	C12H7Cl3	055712-37-3	96
4	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	96
5	2,4',6-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-77-8	96





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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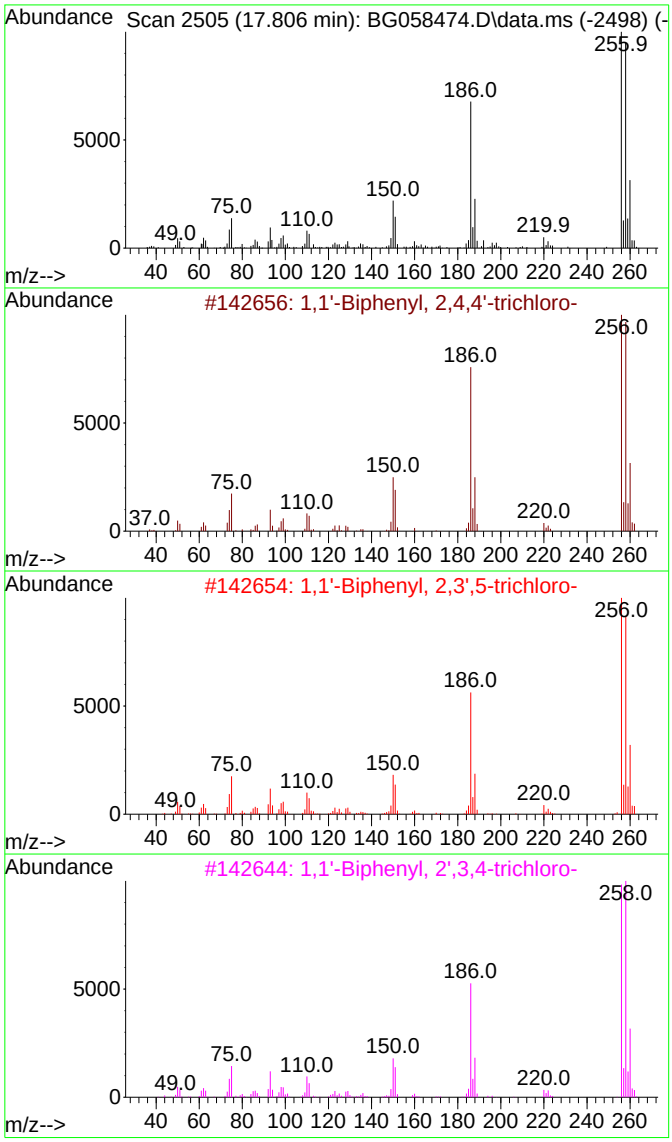
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

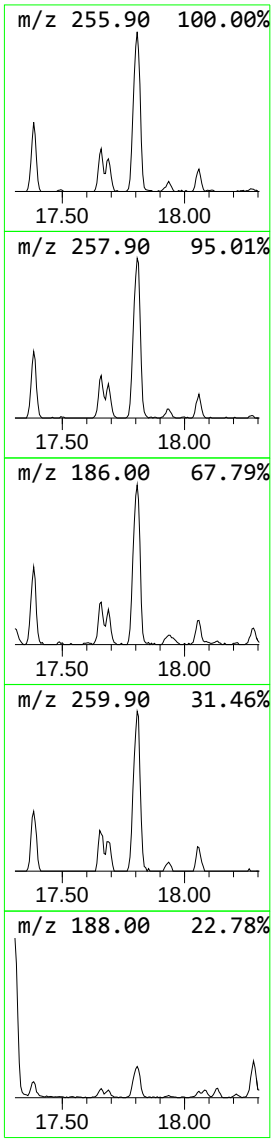
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.806	8.95 ng/ul	407201	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99





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Misc :
ALS Vial : 29 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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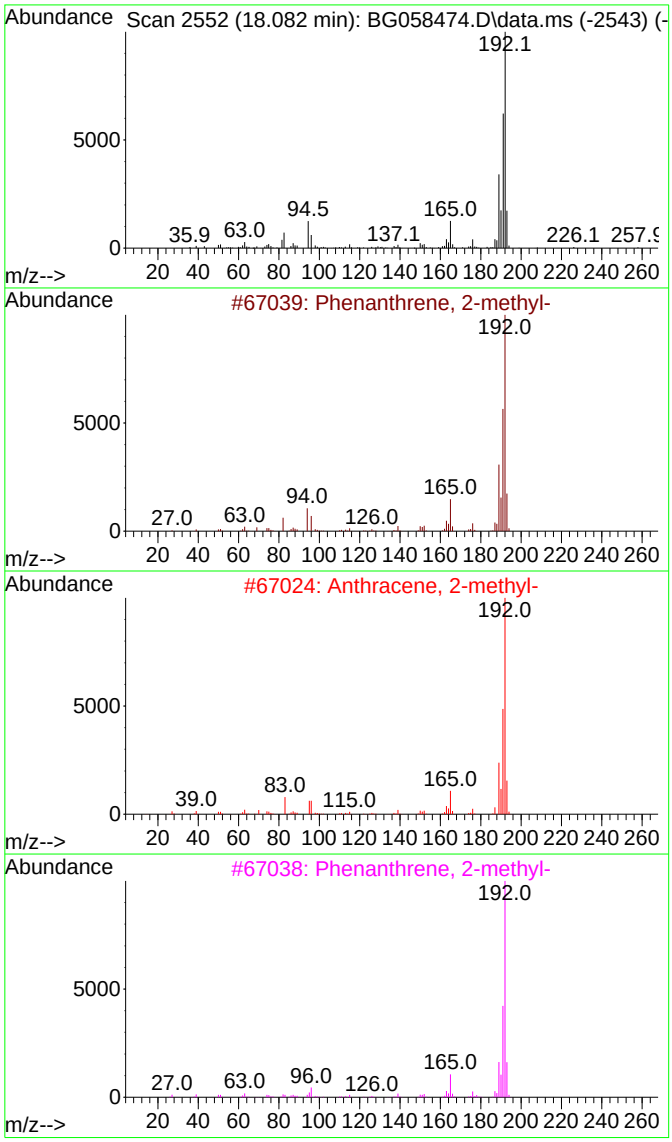
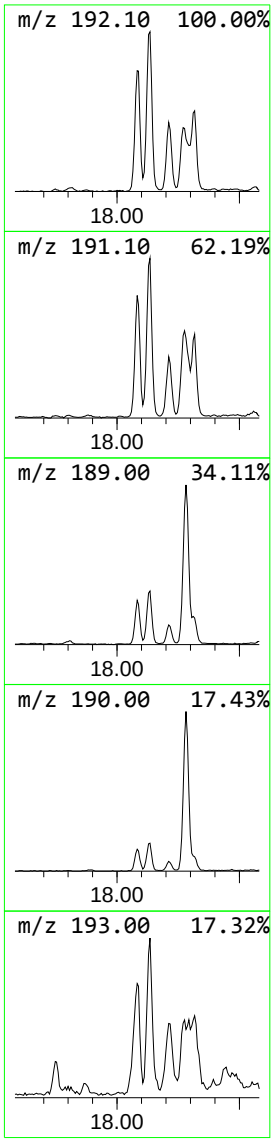
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.082	6.85 ng/ul	311862	Phenanthrene-d10	17.207

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId :
A4734DL

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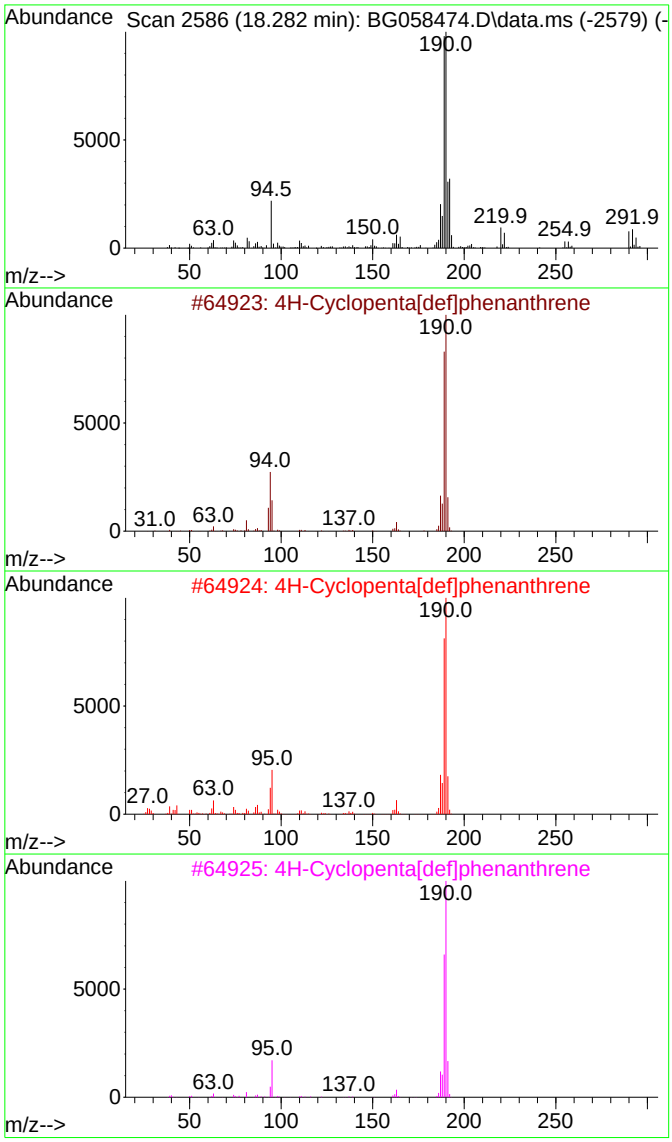
Quant Title : SVOA CALIBRATION

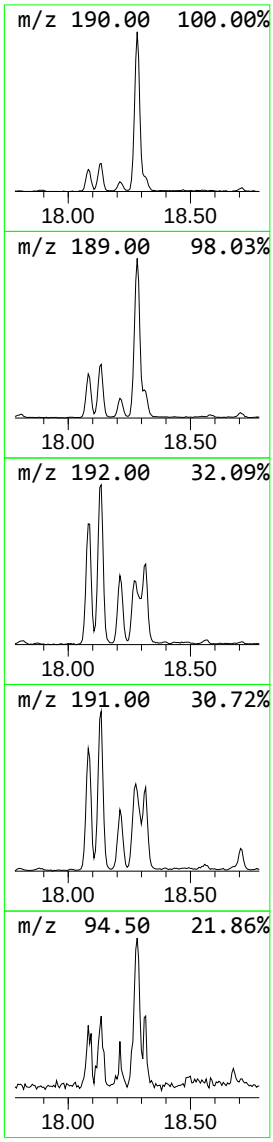
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.282	12.12 ng/ul	551545	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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ClientSampleId :
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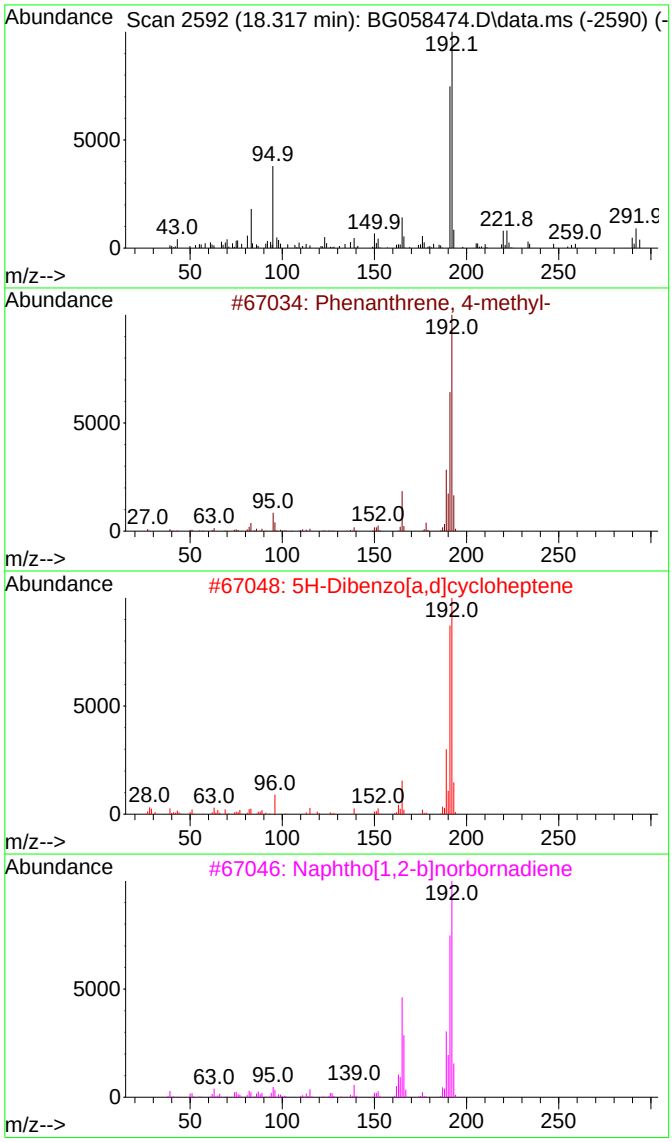
Quant Title : SVOA CALIBRATION

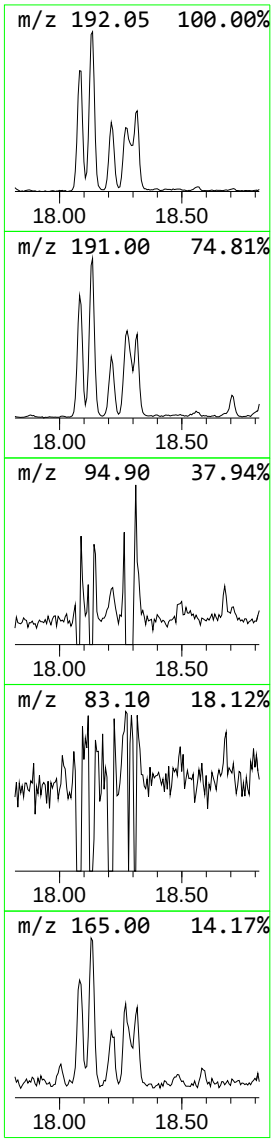
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.317	4.26 ng/ul	193855	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	59
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	53
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	53





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Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

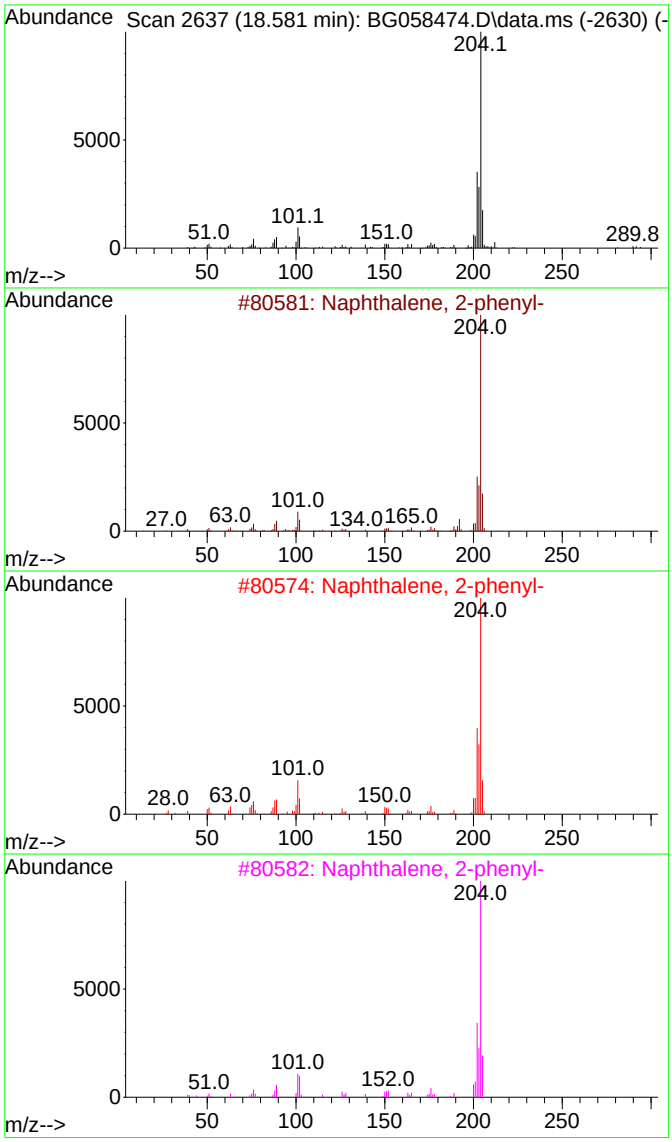
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

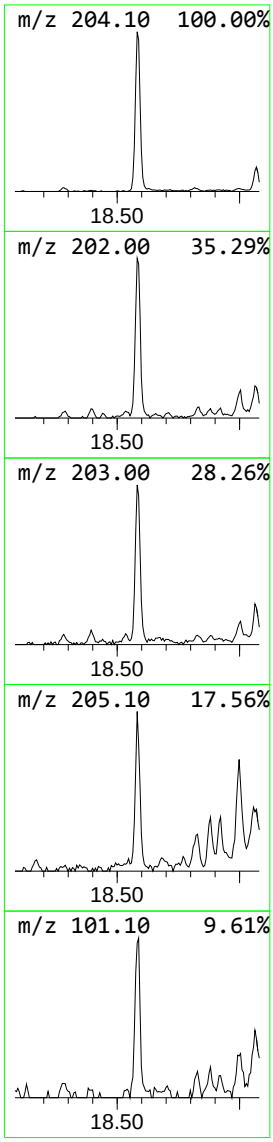
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.581	4.75 ng/ul	216373	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87





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Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

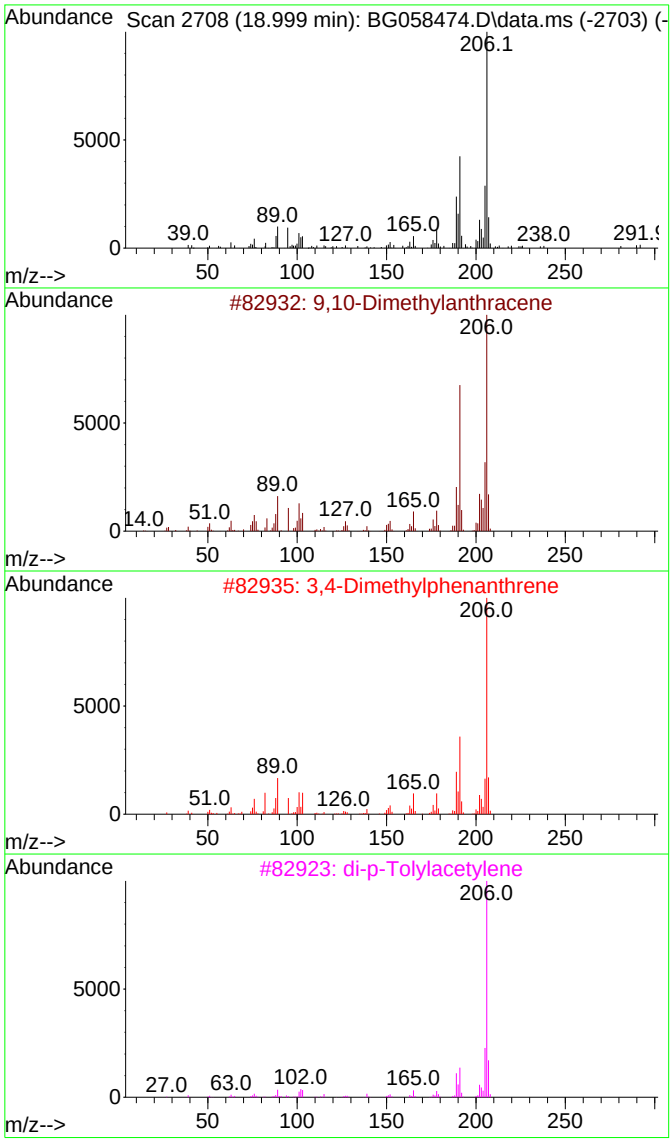
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

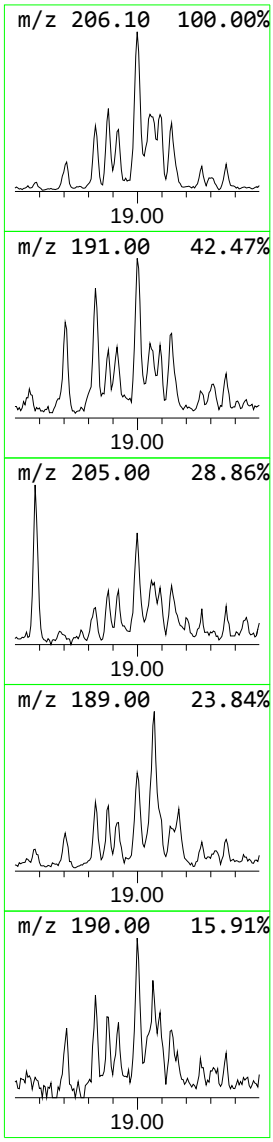
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.999	3.01 ng/ul	137085	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

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

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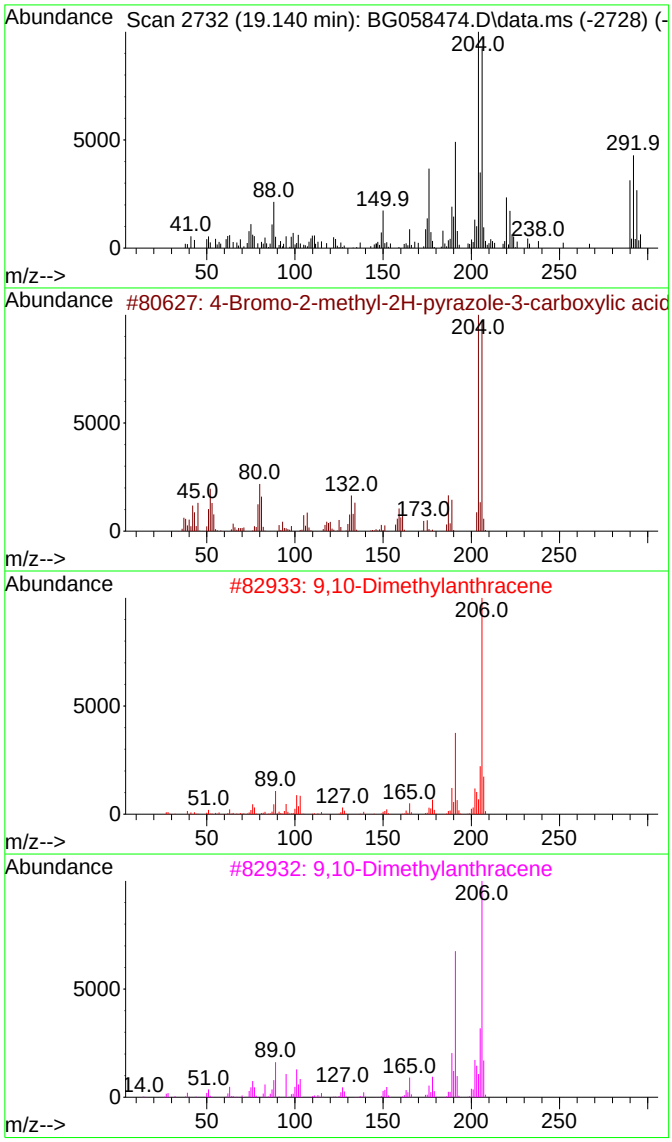
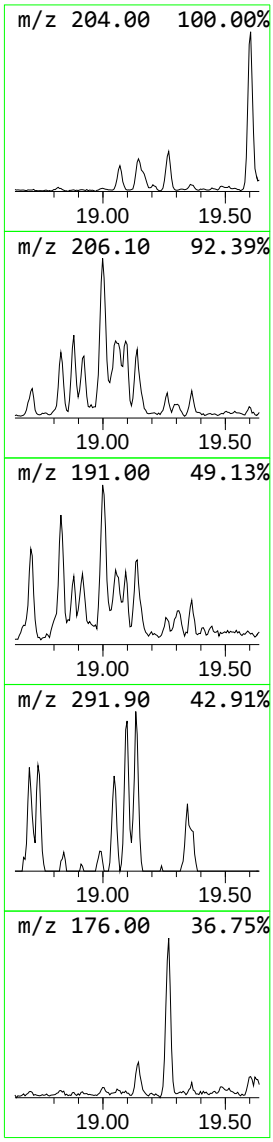
Peak Number 19 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.140	2.78 ng/ul	126552	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	43
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	41
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	41
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	30





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Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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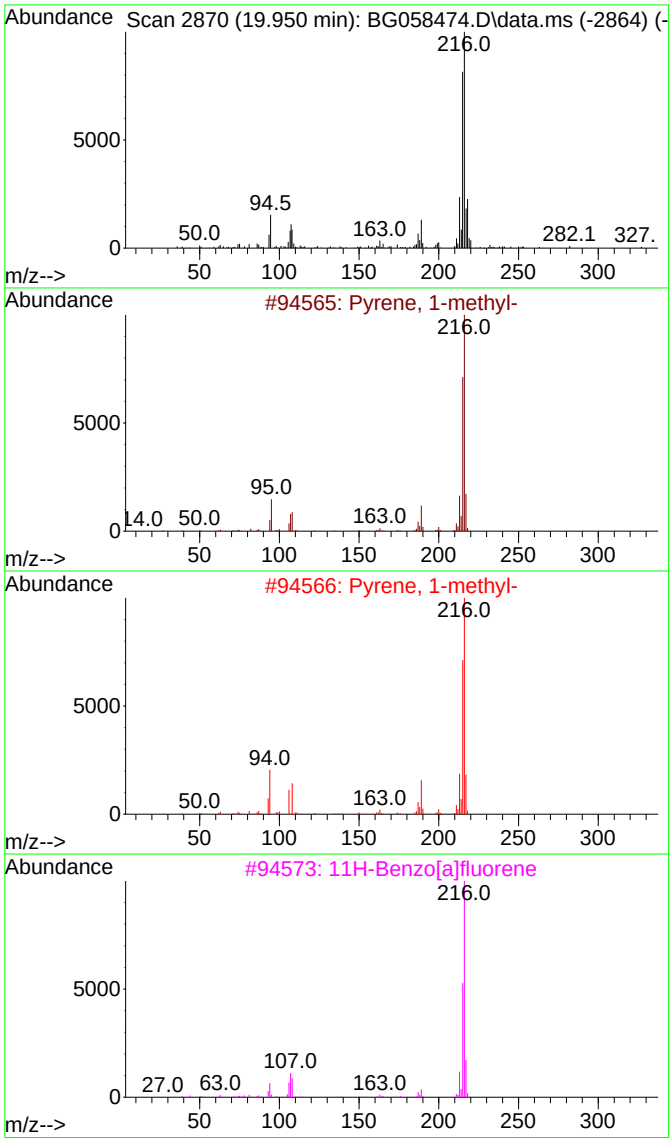
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

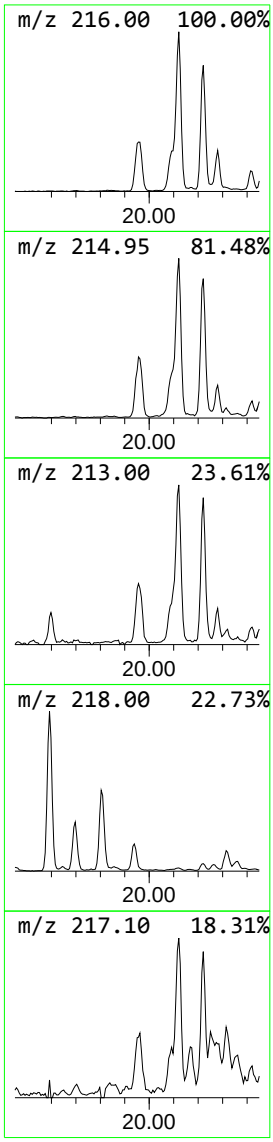
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.950	2.60 ng/ul	237443	Chrysene-d12	21.449

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

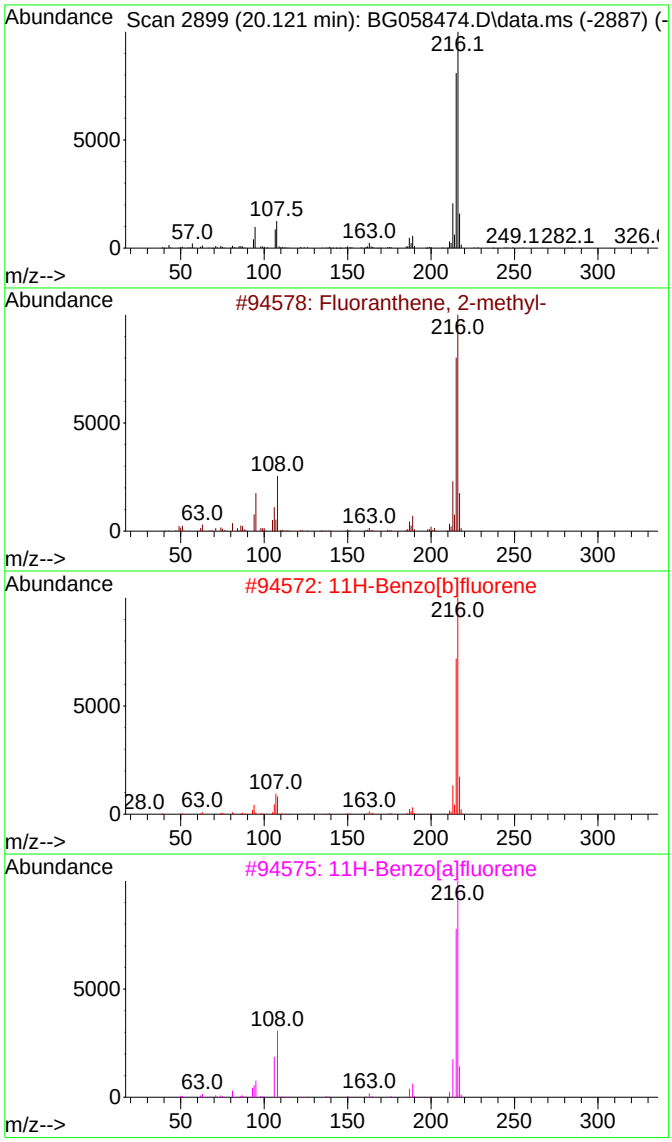
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

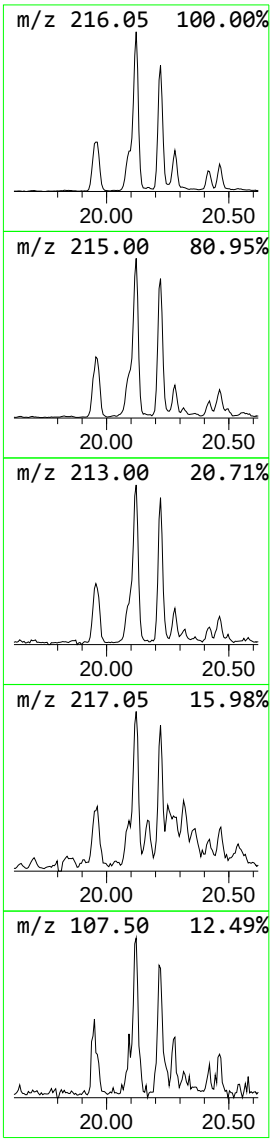
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.121	5.60 ng/ul	511049	Chrysene-d12	21.449

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	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

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

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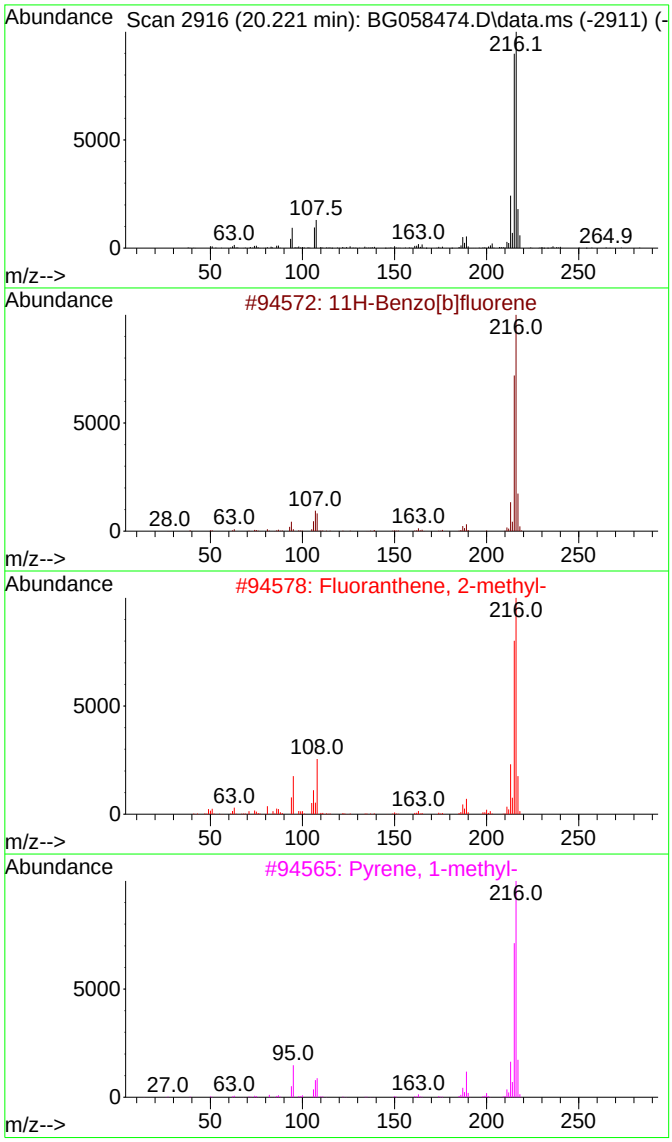
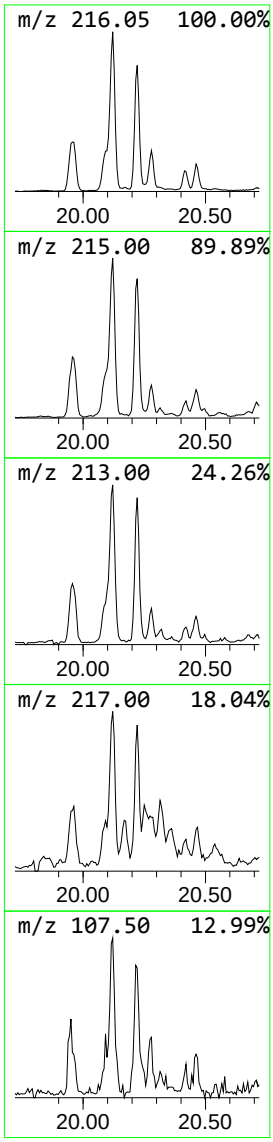
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.221	3.23 ng/ul	295366	Chrysene-d12	21.449

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

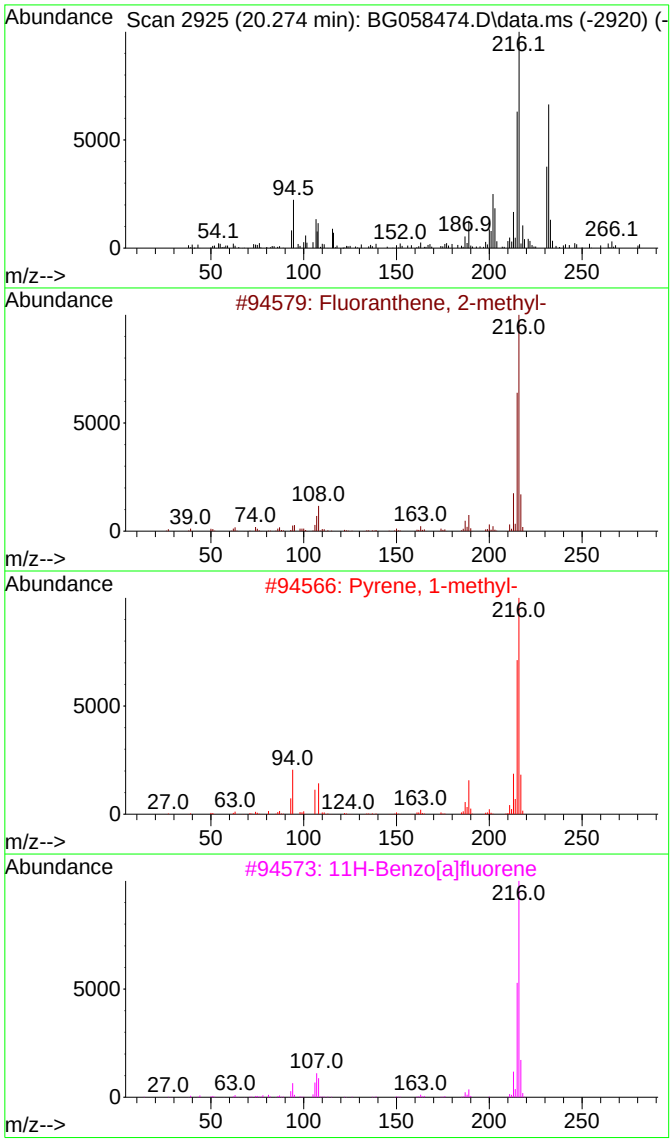
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION

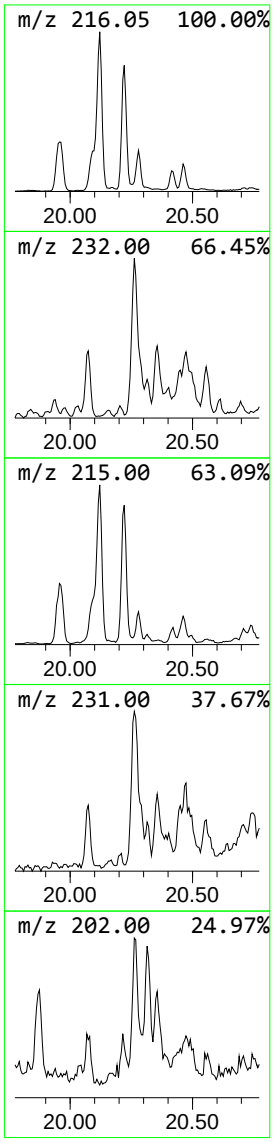
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.274	2.04 ng/ul	185868	Chrysene-d12	21.449

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058474.D
Acq On : 26 Jul 2023 11:30
Operator : CG/JU
Sample : 03540-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4734DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.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	3.975	8.4	ng/ul	130268	1	7.818	311137	20.0
Diisopropyl ether	4.545	18.1	ng/ul	280965	1	7.818	311137	20.0
unknown-02	4.586	3.3	ng/ul	51628	1	7.818	311137	20.0
Hydrazine, (1-m...	6.642	2.5	ng/ul	38365	1	7.818	311137	20.0
1,1'-Biphenyl, ...	15.714	2.7	ng/ul	93210	3	14.463	683128	20.0
Dibenzofuran, 4...	15.802	2.6	ng/ul	88549	3	14.463	683128	20.0
[1,1'-Biphenyl]...	15.955	2.7	ng/ul	124697	4	17.207	910316	20.0
1,1'-Biphenyl, ...	16.736	2.7	ng/ul	121663	4	17.207	910316	20.0
Anthracene, 1,2...	16.960	2.6	ng/ul	117896	4	17.207	910316	20.0
Dibenzothiophene	17.024	2.8	ng/ul	127407	4	17.207	910316	20.0
2,2',3-Trichlor...	17.083	3.3	ng/ul	148526	4	17.207	910316	20.0
1,1'-Biphenyl, ...	17.118	2.4	ng/ul	108497	4	17.207	910316	20.0
1,1'-Biphenyl, ...	17.806	8.9	ng/ul	407201	4	17.207	910316	20.0
Phenanthrene, 2...	18.082	6.8	ng/ul	311862	4	17.207	910316	20.0
4H-Cyclopenta[d...	18.282	12.1	ng/ul	551545	4	17.207	910316	20.0
Phenanthrene, 4...	18.317	4.3	ng/ul	193855	4	17.207	910316	20.0
Naphthalene, 2-...	18.581	4.8	ng/ul	216373	4	17.207	910316	20.0
9,10-Dimethylan...	18.999	3.0	ng/ul	137085	4	17.207	910316	20.0
unknown-03	19.140	2.8	ng/ul	126552	4	17.207	910316	20.0
Pyrene, 1-methyl-	19.950	2.6	ng/ul	237443	5	21.449	1826440	20.0
Fluoranthene, 2...	20.121	5.6	ng/ul	511049	5	21.449	1826440	20.0
11H-Benzo[b]flu...	20.221	3.2	ng/ul	295366	5	21.449	1826440	20.0
11H-Benzo[a]flu...	20.274	2.0	ng/ul	185868	5	21.449	1826440	20.0