LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011121\
Data File : BP004495.D
Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

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\SOM-EPA-BP121820MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.822	104	108	116	rVV	142392	196889	3.23%	0.231%
2	4.046	140	146	157	rVB	337637	501084	8.22%	0.587%
3	6.993	638	647	663	rBV	444443	841199	13.80%	0.986%
4	7.157	668	675	688	rVV	333857	561573	9.21%	0.658%
5	7.357	702	709	720	rBV	490163	805485	13.22%	0.944%
6	7.828	781	789	797	rBV	620849	1038234	17.04%	1.217%
7	8.534	902	909	922	rBV	540311	920627	15.11%	1.079%
8	8.981	978	985	995	rBV	398078	671863	11.02%	0.787%
9	9.704	1098	1108	1115	rBV	329676	575606	9.44%	0.674%
10	10.245	1193	1200	1210	rBV	589891	1023458	16.79%	1.199%
11	10.622	1253	1264	1270	rBV	819096	1422074	23.33%	1.666%
12	10.757	1280	1287	1308	rVB	204960	430707	7.07%	0.505%
13	12.145	1513	1523	1531	rBV3	39093	88680	1.46%	0.104%
14	12.504	1577	1584	1594	rVB	62768	105335	1.73%	0.123%
15	13.304	1714	1720	1728	rVV4	45854	84826	1.39%	0.099%
16	13.792	1796	1803	1808	rVV	98087	179613	2.95%	0.210%
17	13.875	1808	1817	1823	rVV	929434	1443484	23.69%	1.691%
18	14.028	1834	1843	1847	rVV2	52002	111607	1.83%	0.131%
19	14.163	1860	1866	1884	rVB	1288620	2007244	32.94%	2.352%
20	14.475	1909	1919	1925	rBV	1244527	1965626	32.25%	2.303%
21	14.533	1925	1929	1937	rVV	384408	604467	9.92%	0.708%
22	14.686	1948	1955	1965	rBV	327699	601721	9.87%	0.705%
23	14.786	1966	1972	1975	rVV2	46363	96741	1.59%	0.113%
24	14.875	1982	1987	1995	rVB	192481	310738	5.10%	0.364%
25	15.098	2016	2025	2030	rBV3	56722	126305	2.07%	0.148%
26	15.151	2030	2034	2046	rVB2	50772	87200	1.43%	0.102%
27	15.269	2046	2054	2057	rBV4	64359	129389	2.12%	0.152%
28	15.469	2080	2088	2093	rVV	1577168	2349603	38.55%	2.753%
29	15.528	2093	2098	2103	rVV2	310729	490519	8.05%	0.575%
30	15.604	2106	2111	2116	rVV2	277645	468517	7.69%	0.549%
31	15.651	2116	2119	2122	rVV2	95402	138384	2.27%	0.162%
32	15.692	2122	2126	2131	rVV2	99295	187897	3.08%	0.220%
33	15.739	2131	2134	2137	rVV2	54055	83720	1.37%	0.098%
34	15.775	2137	2140	2143	rVV2	54369	84932	1.39%	0.100%

LSC Area Percent Report

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Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

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\SOM-EPA-BP121820MA.M
Title : SVOA CALIBRATION

35	15.822	2143	2148	2156	rVB	150224	248533	4.08%	0.291%
36	15.969	2168	2173	2181	rVB	145235	302875	4.97%	0.355%
37	16.063	2181	2189	2195	rVB4	51640	116758	1.92%	0.137%
38	16.204	2209	2213	2220	rVB3	76593	128825	2.11%	0.151%
39	16.510	2259	2265	2267	rBV3	58938	111907	1.84%	0.131%
40	16.539	2267	2270	2274	rVB2	73479	106359	1.75%	0.125%
41	16.586	2274	2278	2283	rVB2	51539	76089	1.25%	0.089%
42	16.769	2301	2309	2312	rBV3	105246	212268	3.48%	0.249%
43	16.810	2312	2316	2319	rVB3	88973	127981	2.10%	0.150%
44	16.886	2324	2329	2336	rVB	243716	385323	6.32%	0.451%
45	16.963	2337	2342	2350	rBV3	121678	299924	4.92%	0.351%
46	17.051	2353	2357	2366	rVB	204135	343763	5.64%	0.403%
47	17.233	2382	2388	2392	rVV	1486313	2364127	38.79%	2.770%
48	17.280	2392	2396	2401	rVV	3255278	4662083	76.50%	5.463%
49	17.333	2401	2405	2409	rVV2	1800288	2752513	45.16%	3.225%
50	17.369	2409	2411	2416	rVV	879004	1037885	17.03%	1.216%
51	17.427	2416	2421	2427	rVV3	85902	145307	2.38%	0.170%
52	17.551	2439	2442	2448	rVB4	46494	76346	1.25%	0.089%
53	17.639	2448	2457	2461	rBV2	309552	601172	9.86%	0.704%
54	17.757	2474	2477	2483	rVB2	60639	76083	1.25%	0.089%
55	17.816	2483	2487	2491	rBV3	75671	108345	1.78%	0.127%
56	18.027	2519	2523	2527	rVB2	80478	108013	1.77%	0.127%
57	18.104	2527	2536	2540	rBV	491062	894780	14.68%	1.048%
58	18.151	2540	2544	2549	rVV	701166	1025684	16.83%	1.202%
59	18.233	2553	2558	2562	rVB	330365	458309	7.52%	0.537%
60	18.292	2562	2568	2572	rBV2	643567	1237533	20.31%	1.450%
61	18.327	2572	2574	2580	rVB	374231	466041	7.65%	0.546%
62	18.404	2583	2587	2590	rVV3	69529	112358	1.84%	0.132%
63	18.445	2591	2594	2597	rVB2	68426	88042	1.44%	0.103%
64	18.586	2614	2618	2622	rBV	349953	486173	7.98%	0.570%
65	18.633	2622	2626	2630	rVB	249863	360898	5.92%	0.423%
66	18.827	2656	2659	2662	rBV	130779	159645	2.62%	0.187%
67	18.863	2662	2665	2670	rVB2	255553	354913	5.82%	0.416%
68	18.916	2670	2674	2677	rVB2	102478	136658	2.24%	0.160%
69	18.951	2677	2680	2682	rBV	68628	84734	1.39%	0.099%
70	18.992	2683	2687	2694	rBV	244026	497743	8.17%	0.583%
71	19.057	2696	2698	2701	rVB	85760	88778	1.46%	0.104%

LSC Area Percent Report

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Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

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\SOM-EPA-BP121820MA.M
Title : SVOA CALIBRATION

72	19.133	2706	2711	2718	rVB	323429	556568	9.13%	0.652%
73	19.251	2726	2731	2737	rVB	4513297	5936298	97.41%	6.956%
74	19.345	2744	2747	2752	rVB	157461	198909	3.26%	0.233%
75	19.433	2758	2762	2766	rBV4	130946	257736	4.23%	0.302%
76	19.574	2781	2786	2789	rBV2	3020528	4680435	76.80%	5.484%
77	19.604	2789	2791	2799	rVV	3737794	4861208	79.76%	5.696%
78	19.674	2799	2803	2810	rVB2	270192	451876	7.41%	0.529%
79	19.780	2816	2821	2826	rBV	237485	374920	6.15%	0.439%
80	19.839	2827	2831	2838	rVB	239138	359131	5.89%	0.421%
81	19.921	2839	2845	2851	rBV3	317812	835804	13.71%	0.979%
82	20.057	2862	2868	2869	rBV4	234582	399128	6.55%	0.468%
83	20.086	2870	2873	2878	rVB	462911	657527	10.79%	0.770%
84	20.186	2887	2890	2893	rBV	138040	161925	2.66%	0.190%
85	20.239	2893	2899	2903	rBV2	432245	752726	12.35%	0.882%
86	20.321	2910	2913	2917	rVB3	111824	141593	2.32%	0.166%
87	20.380	2919	2923	2926	rBV	244026	326644	5.36%	0.383%
88	20.421	2927	2930	2934	rVB	245648	318018	5.22%	0.373%
89	20.821	2994	2998	3003	rBV	539557	715905	11.75%	0.839%
90	20.980	3020	3025	3028	rBV2	367061	655963	10.76%	0.769%
91	21.015	3028	3031	3033	rBV	284710	310225	5.09%	0.363%
92	21.110	3043	3047	3053	rVB	552149	791669	12.99%	0.928%
93	21.321	3077	3083	3088	rBV3	2979261	6094429	100.00%	7.141%
94	21.363	3088	3090	3100	rVB	1930411	2445257	40.12%	2.865%
95	21.651	3136	3139	3144	rVB3	267776	362147	5.94%	0.424%
96	22.974	3358	3364	3370	rBV2	1243393	3347196	54.92%	3.922%
97	23.486	3448	3451	3455	rBV	520824	783027	12.85%	0.917%
98	23.539	3456	3460	3465	rVV	1355466	2736744	44.91%	3.207%
99	23.592	3465	3469	3476	rVB	1177062	2208041	36.23%	2.587%
100	23.692	3481	3486	3491	rVB2	1142601	2043483	33.53%	2.394%

Sum of corrected areas: 85344647

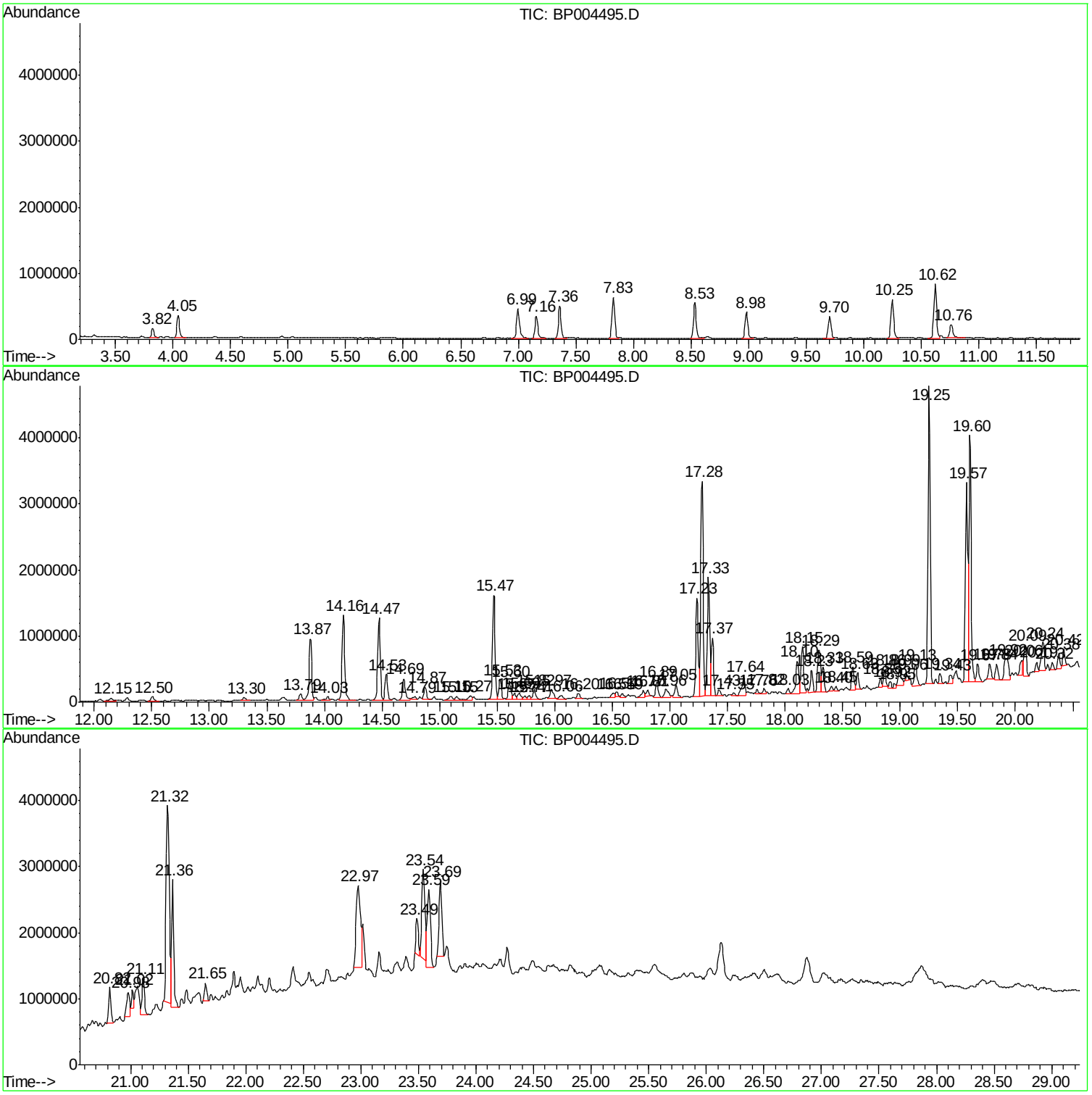
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011121\
Data File : BP004495.D
Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011121\
Data File : BP004495.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

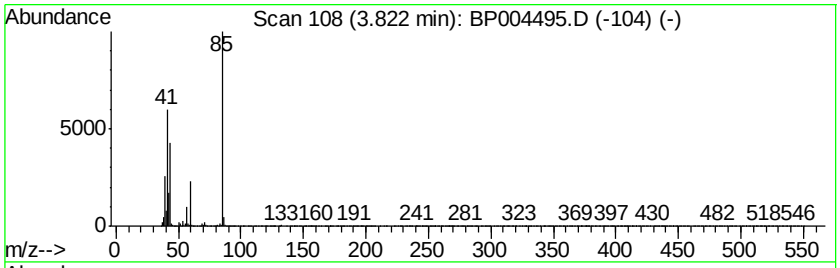
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

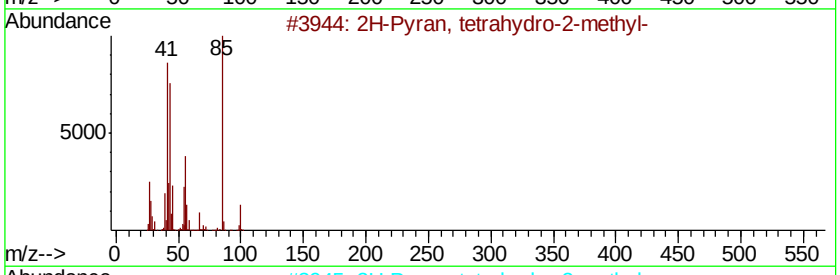
****

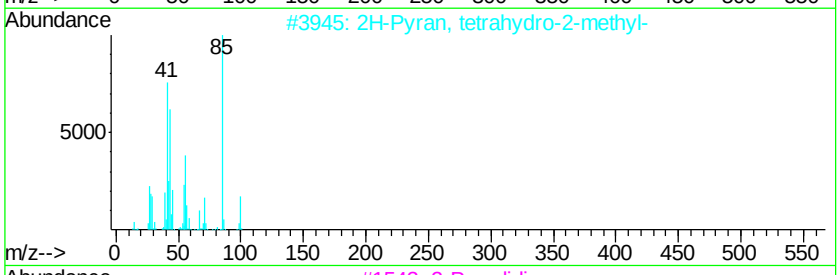
Peak Number 1 unknown-01 Concentration Rank 11

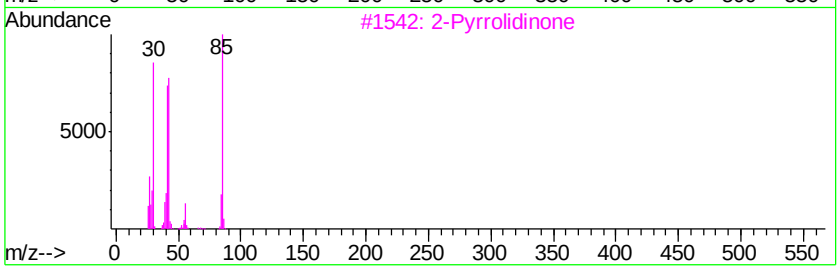
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	3.79 ng/ul	196889	1,4-Dichlorobenzene-d4	7.83

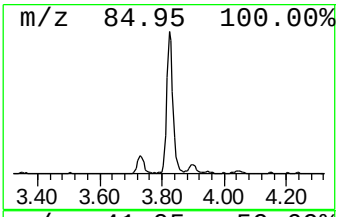
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33
4	2,6-Dimethyl-8-(tetrahydropyran-...	254	C15H26O3	038290-53-8	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9

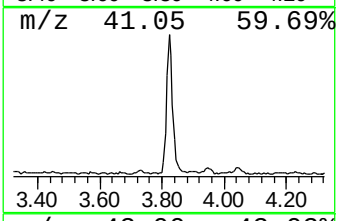


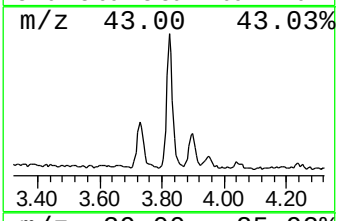


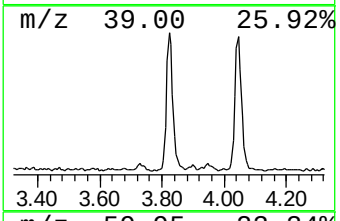


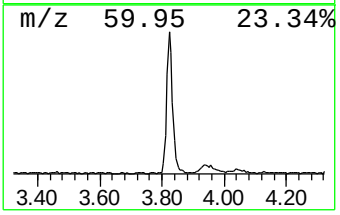












Library Search Compound Report

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Instrument : BNA_P
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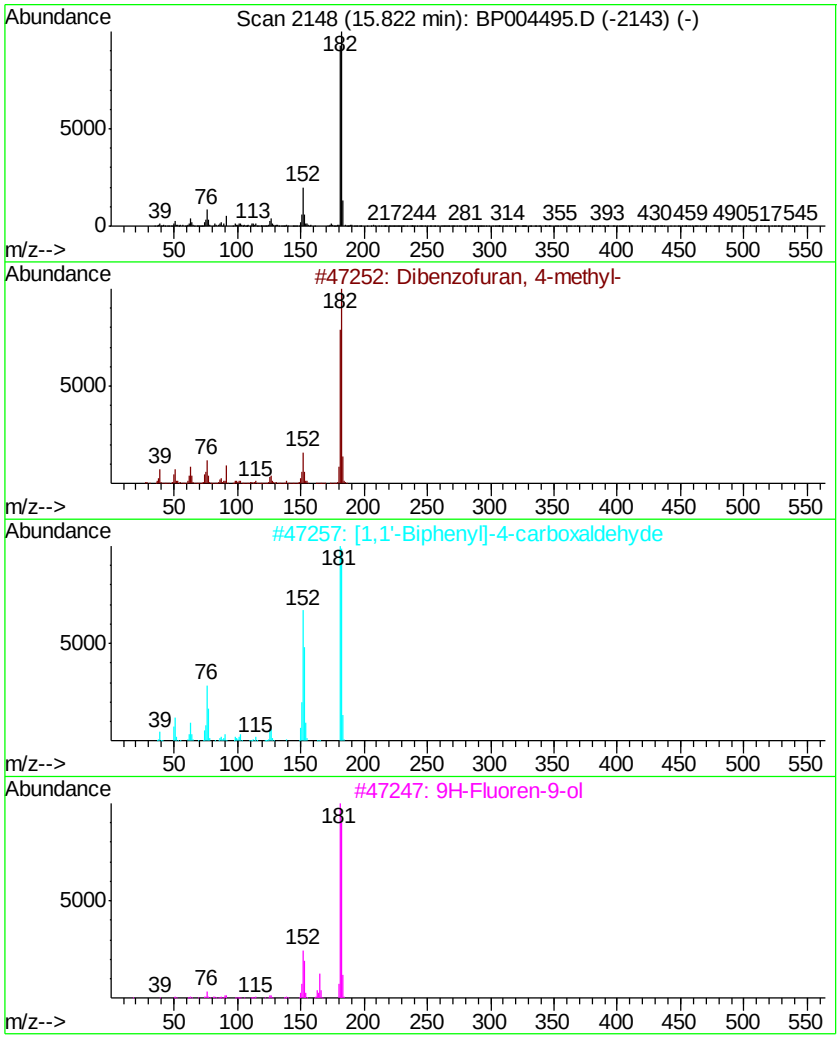
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

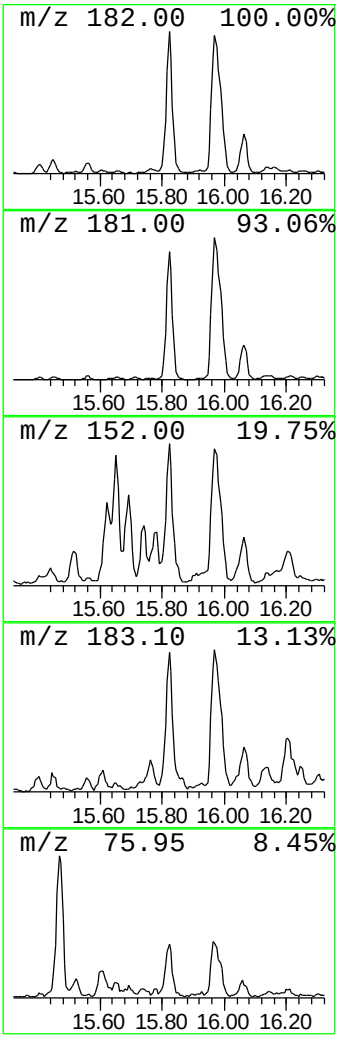
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.53 ng/ul	248533	Acenaphthene-d10	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Library Search Compound Report

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Instrument : BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

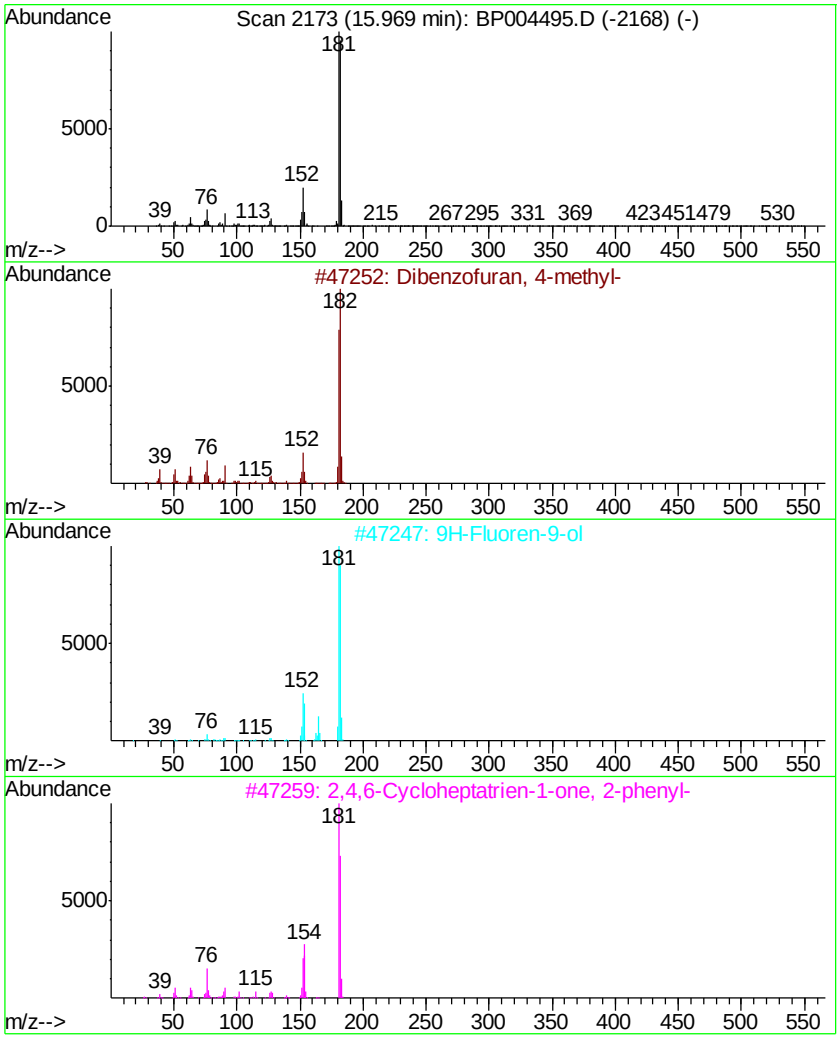
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

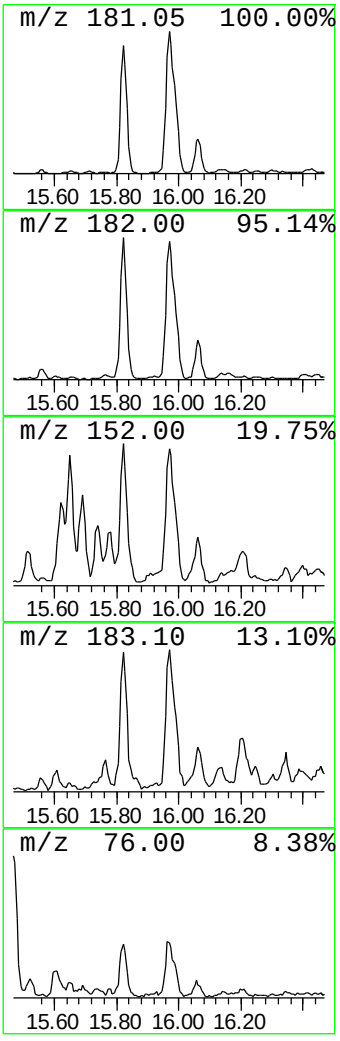
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	2.56 ng/ul	302875	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Data File : BP004495.D
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Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

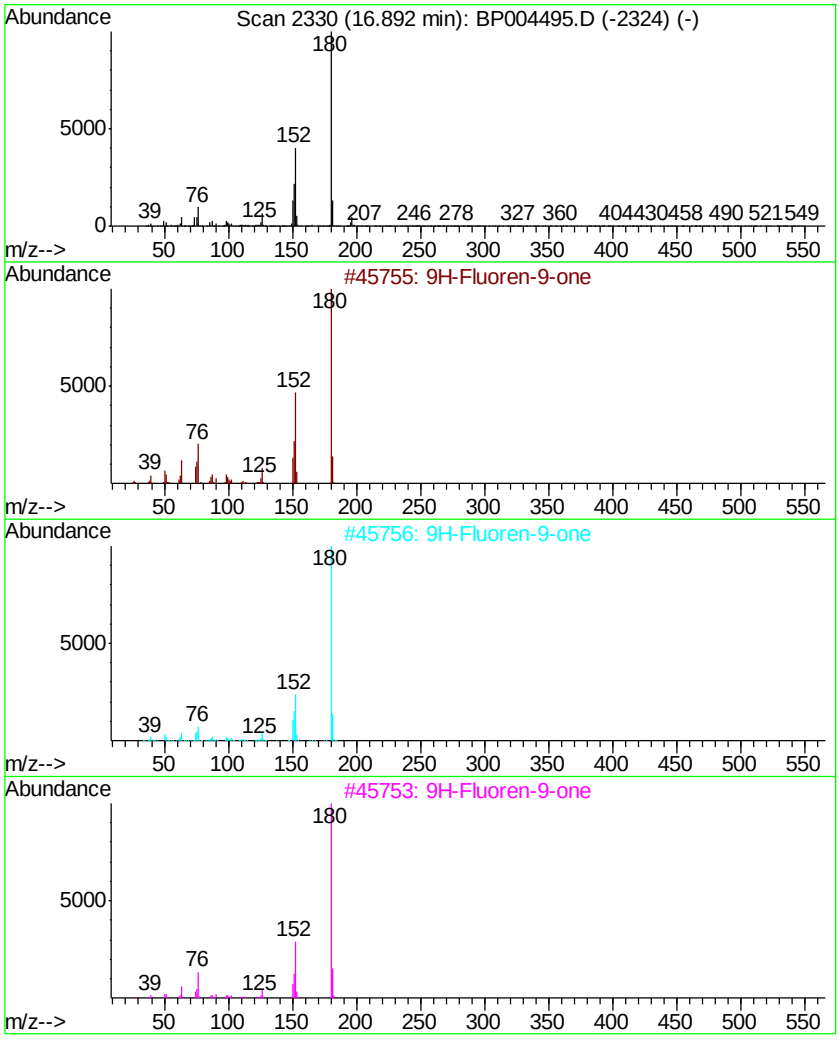
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

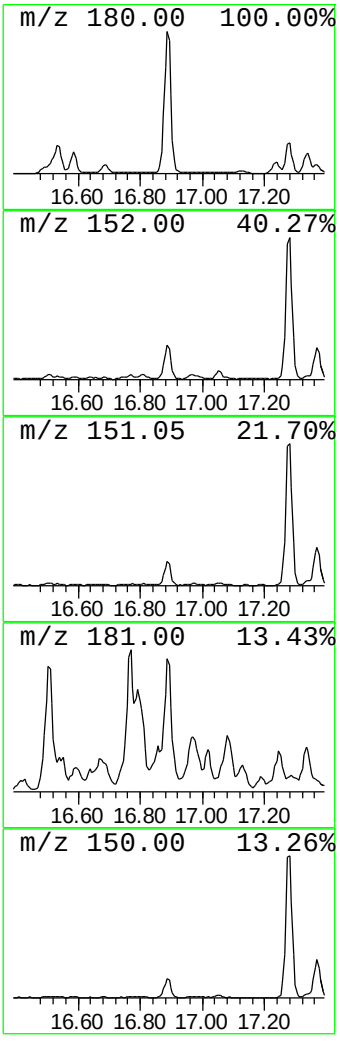
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.26 ng/ul	385323	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





Library Search Compound Report

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Operator : CG/JU
Sample : M1053-01
Misc :
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Instrument : BNA_P
ClientSampleId : BFN59

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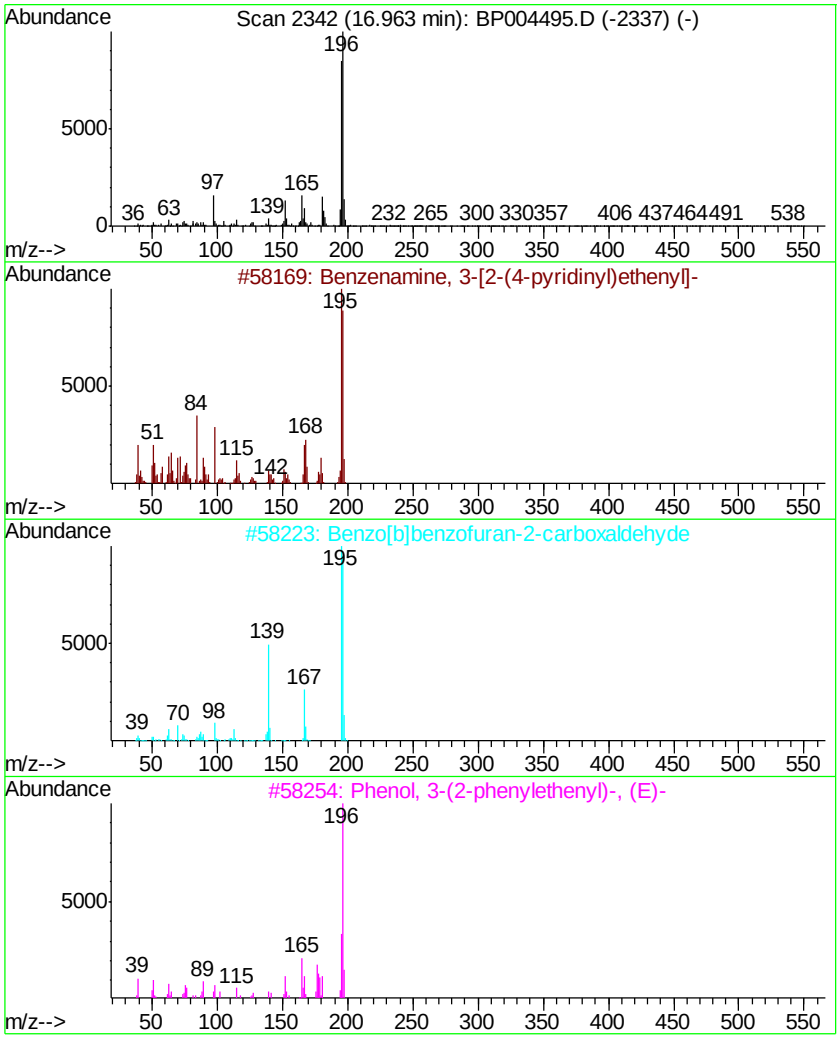
Quant Title : SVOA CALIBRATION

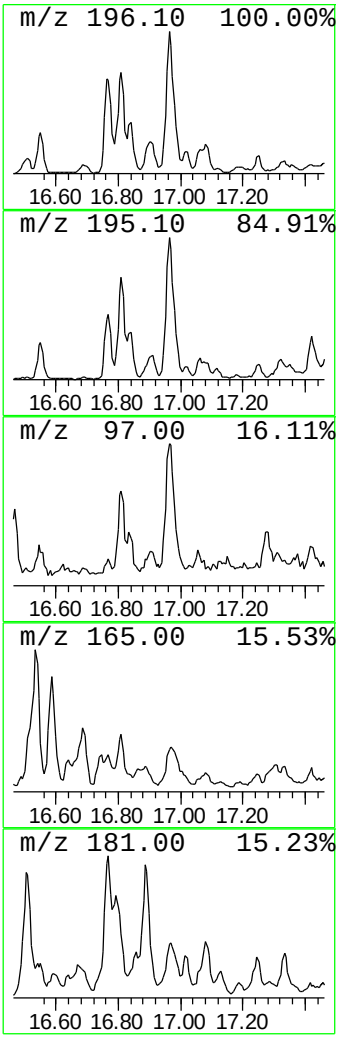
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.54 ng/ul	299924	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	64
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	58
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	52





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ClientSampleId : BFN59

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Quant Title : SVOA CALIBRATION

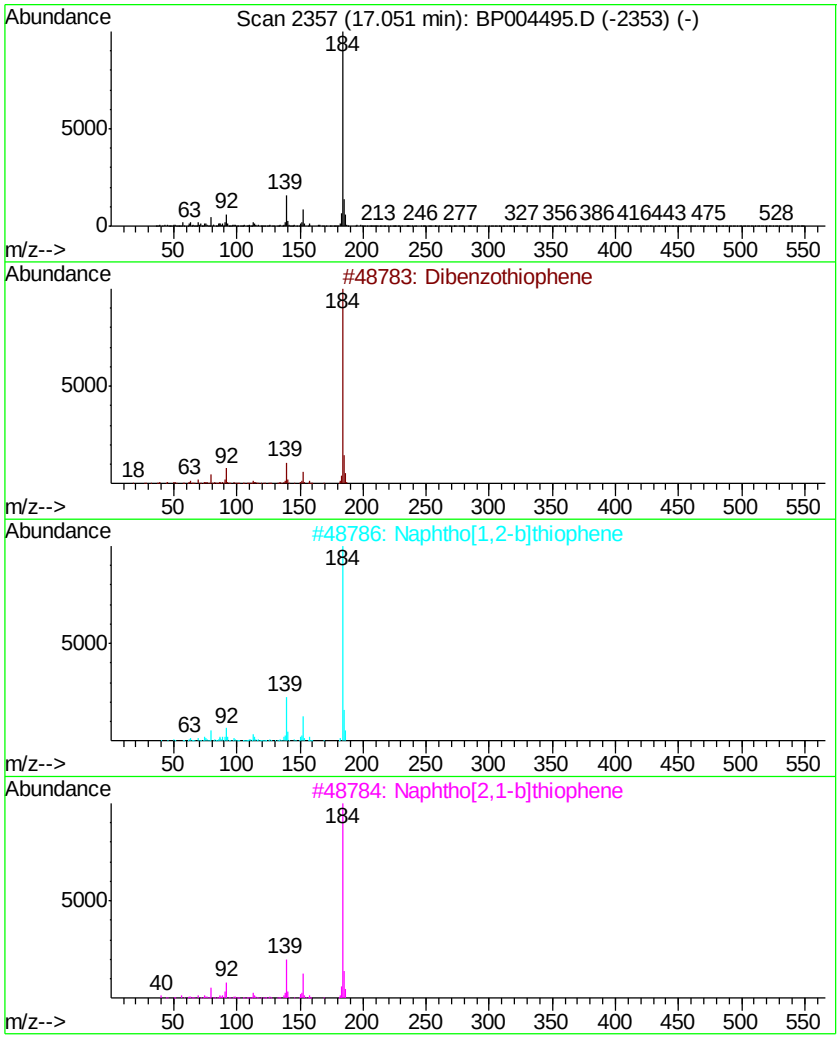
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

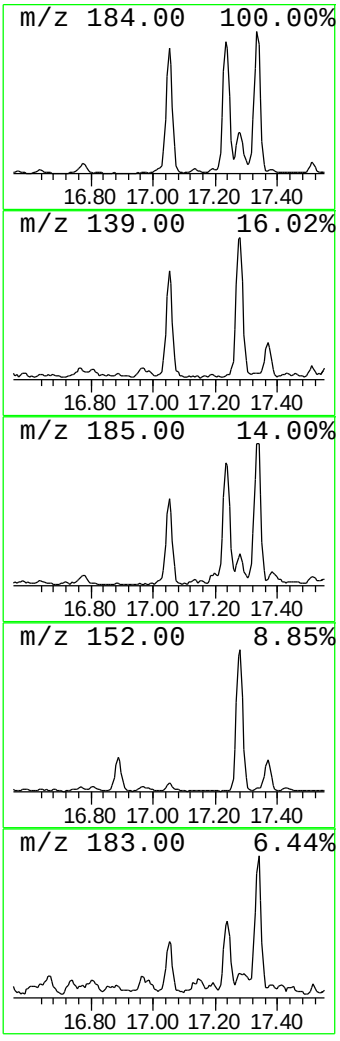
****

Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	2.91 ng/ul	343763	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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Quant Title : SVOA CALIBRATION

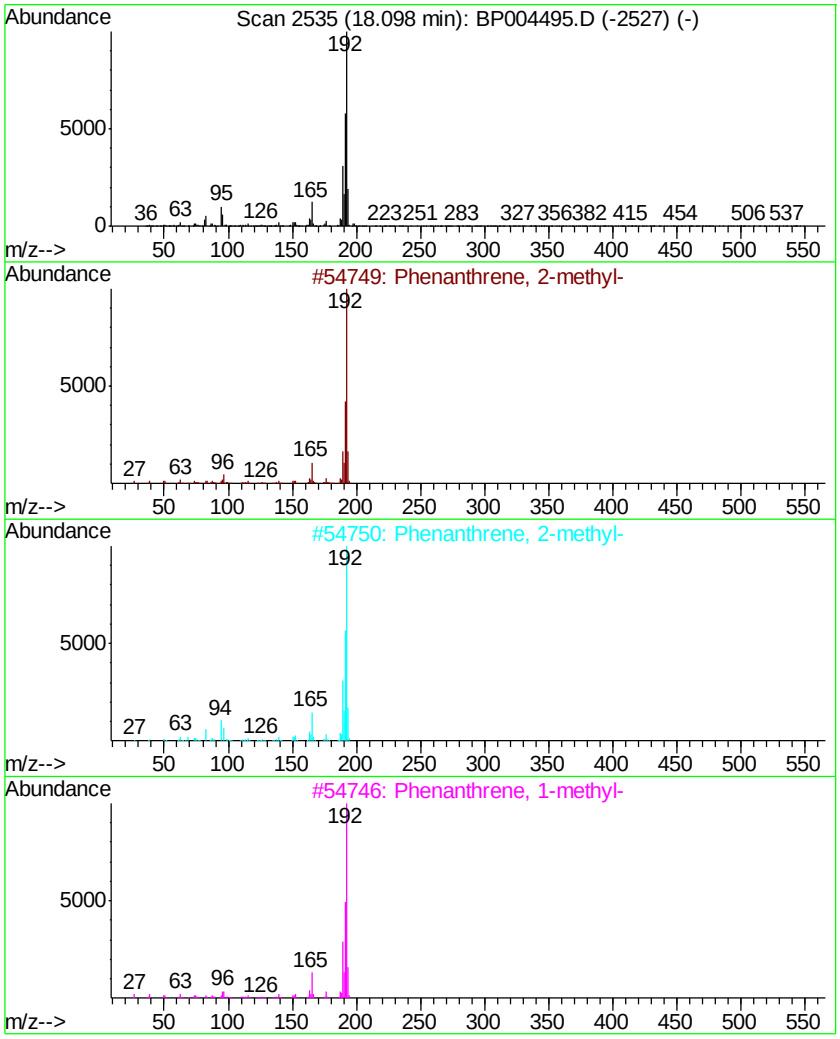
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

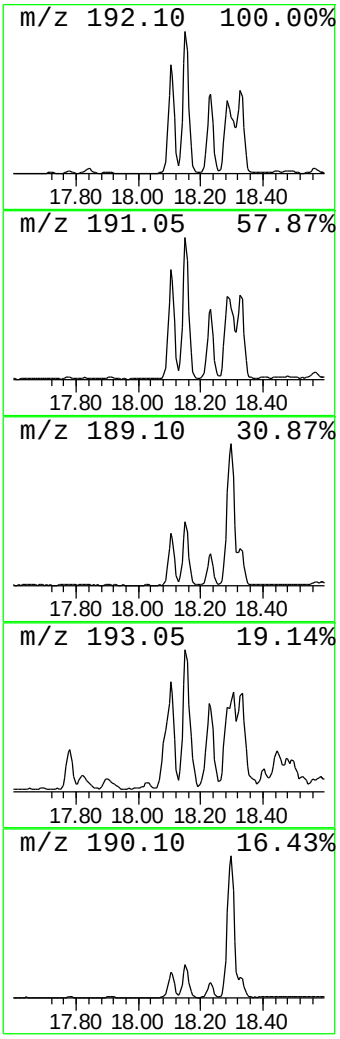
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	7.57 ng/ul	894780	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_P
ClientSampleId : BFN59

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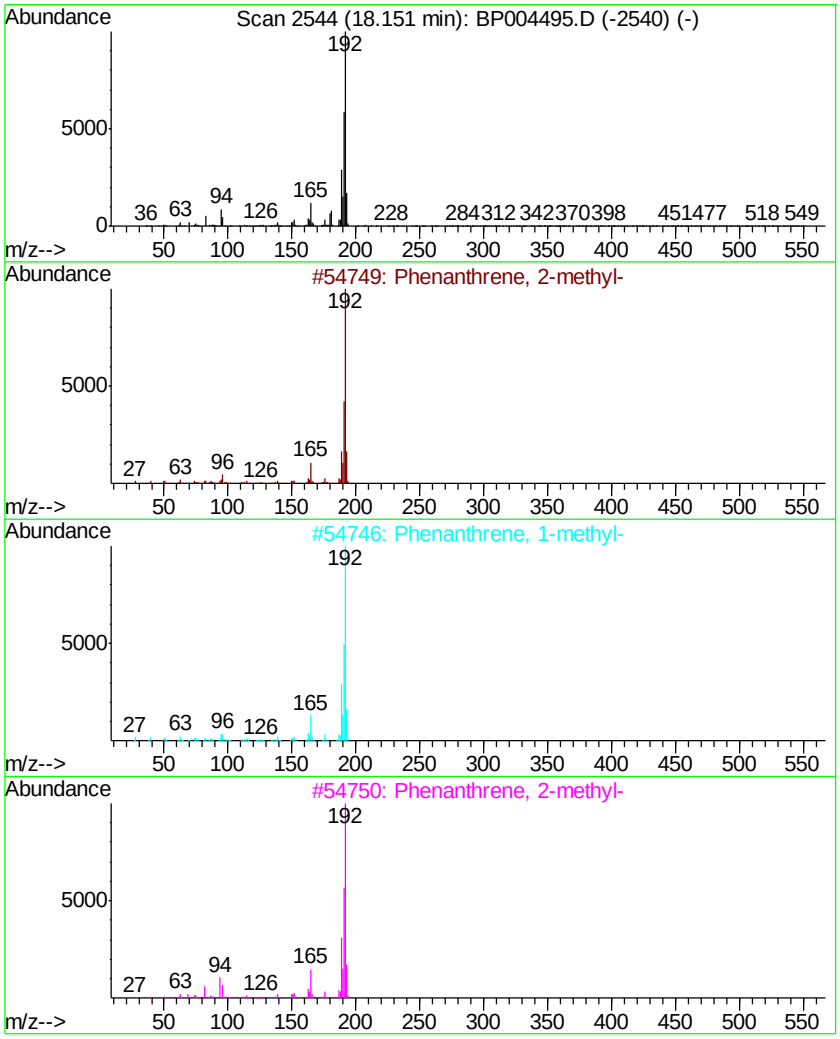
Quant Title : SVOA CALIBRATION

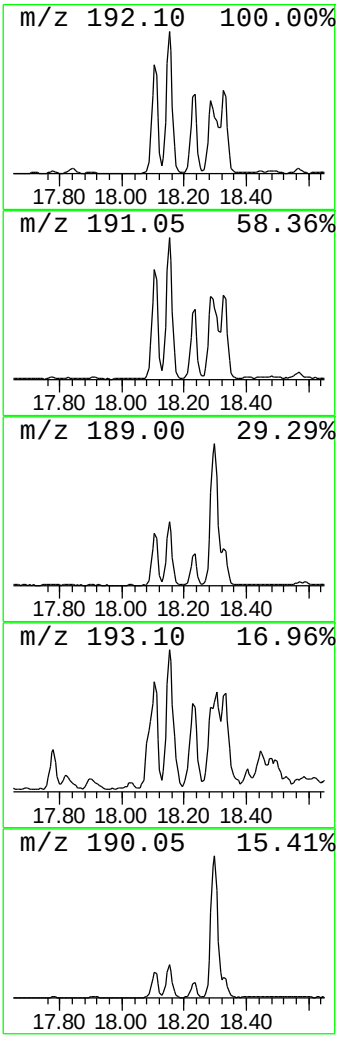
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	8.68 ng/ul	1025680	Phenanthrene-d10	17.23

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	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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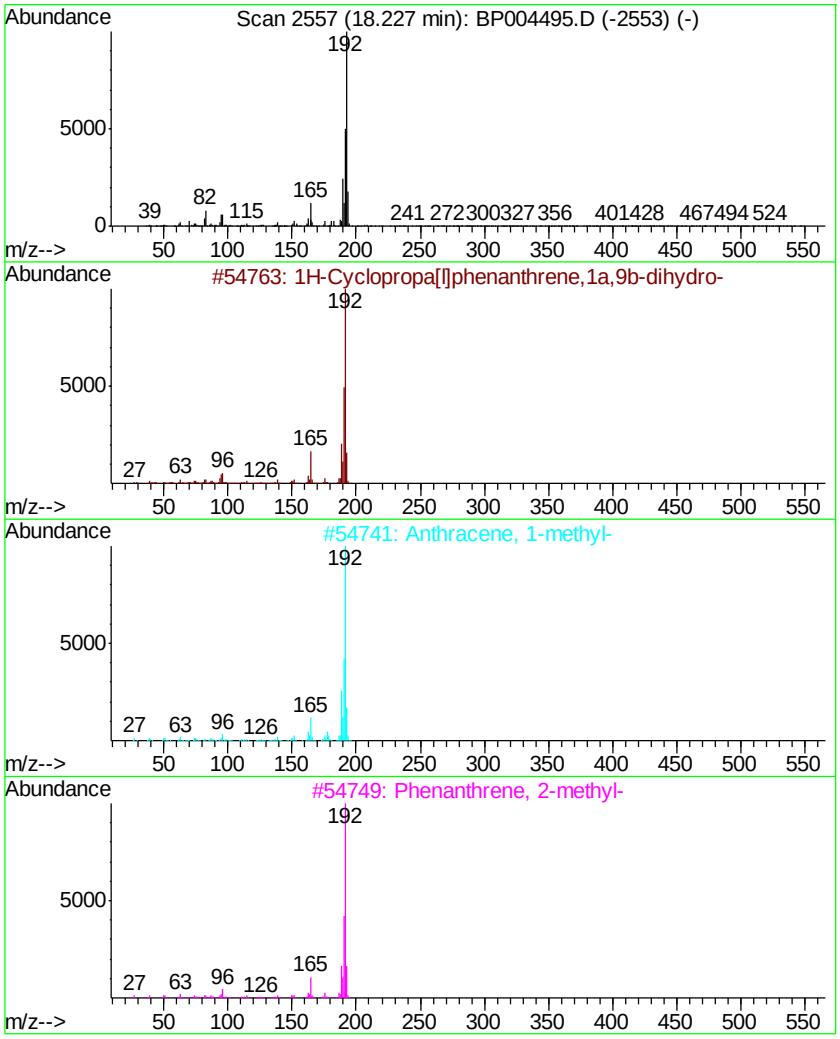
Quant Title : SVOA CALIBRATION

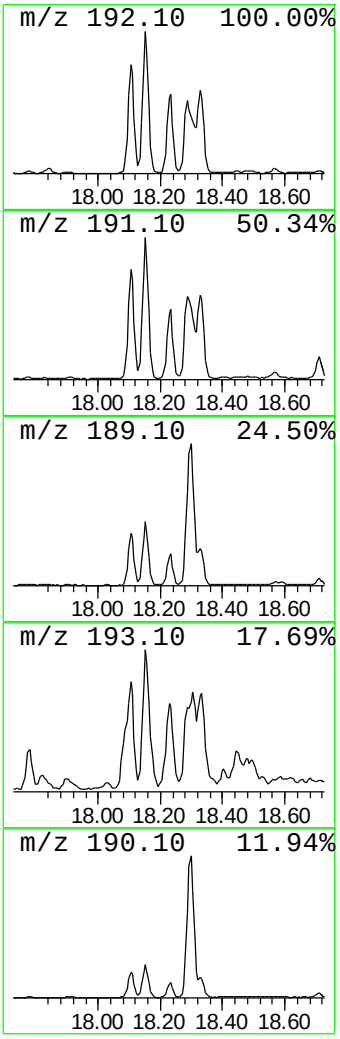
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.88 ng/ul	458309	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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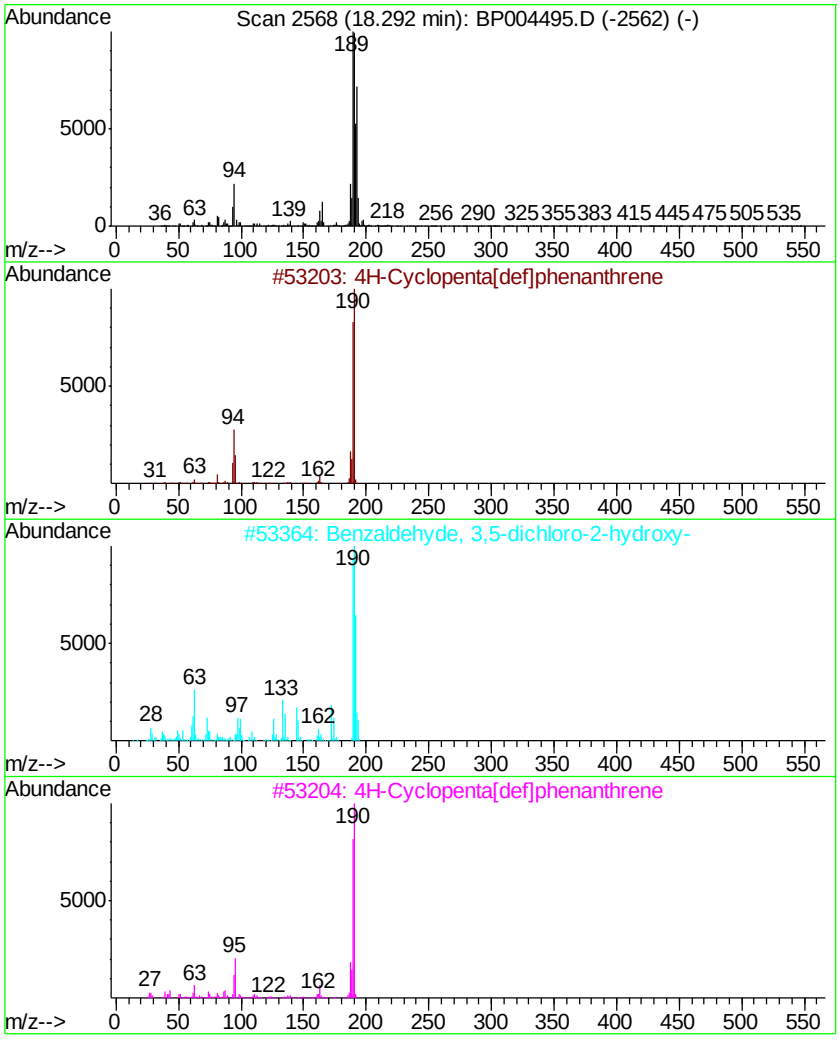
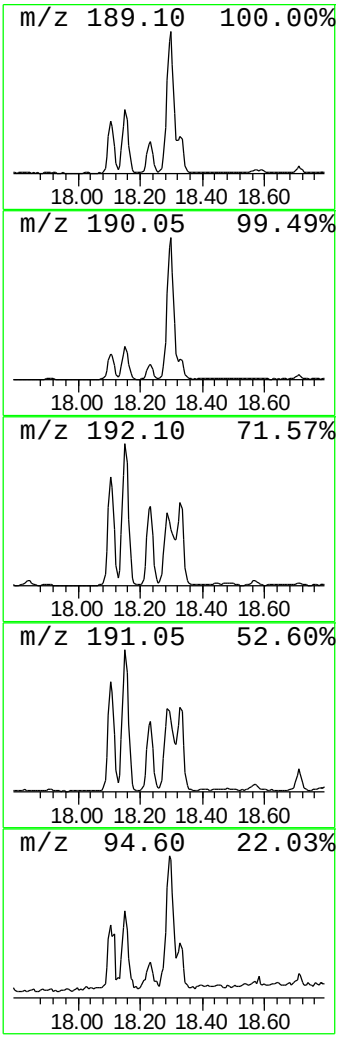
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	10.47 ng/ul	1237530	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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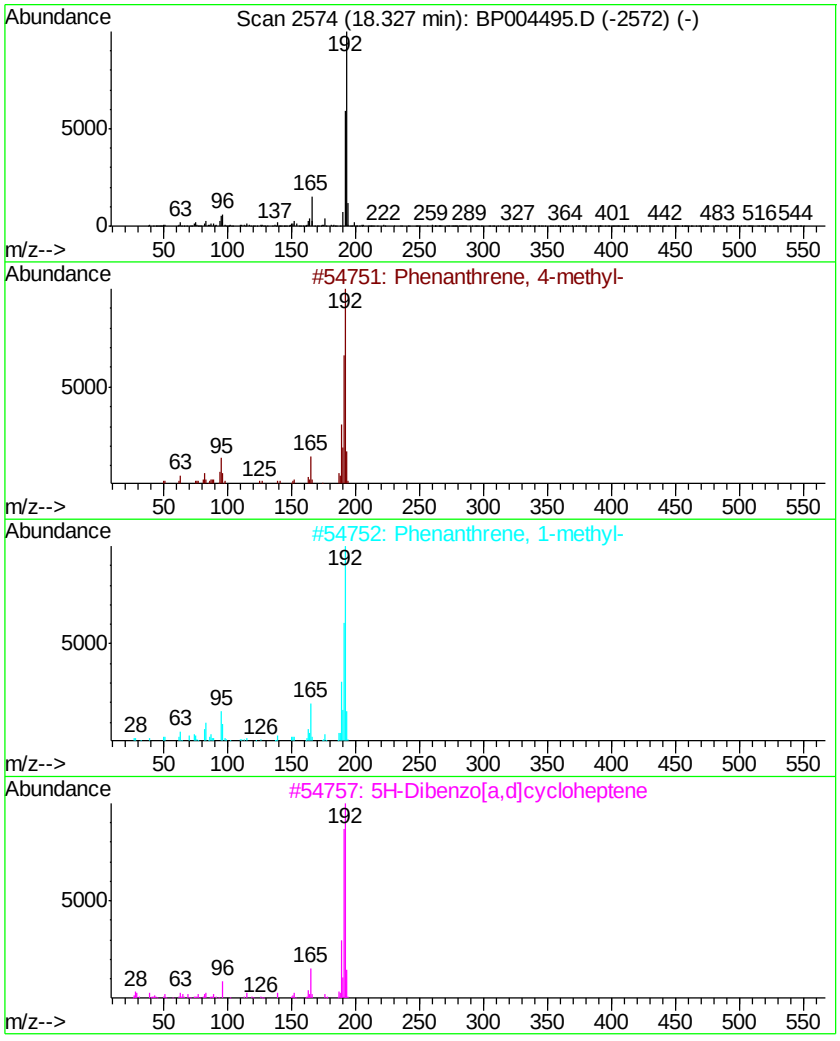
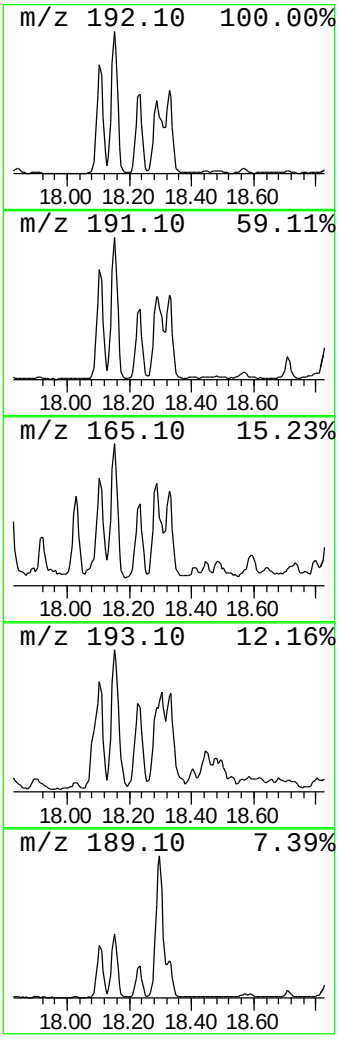
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.94 ng/ul	466041	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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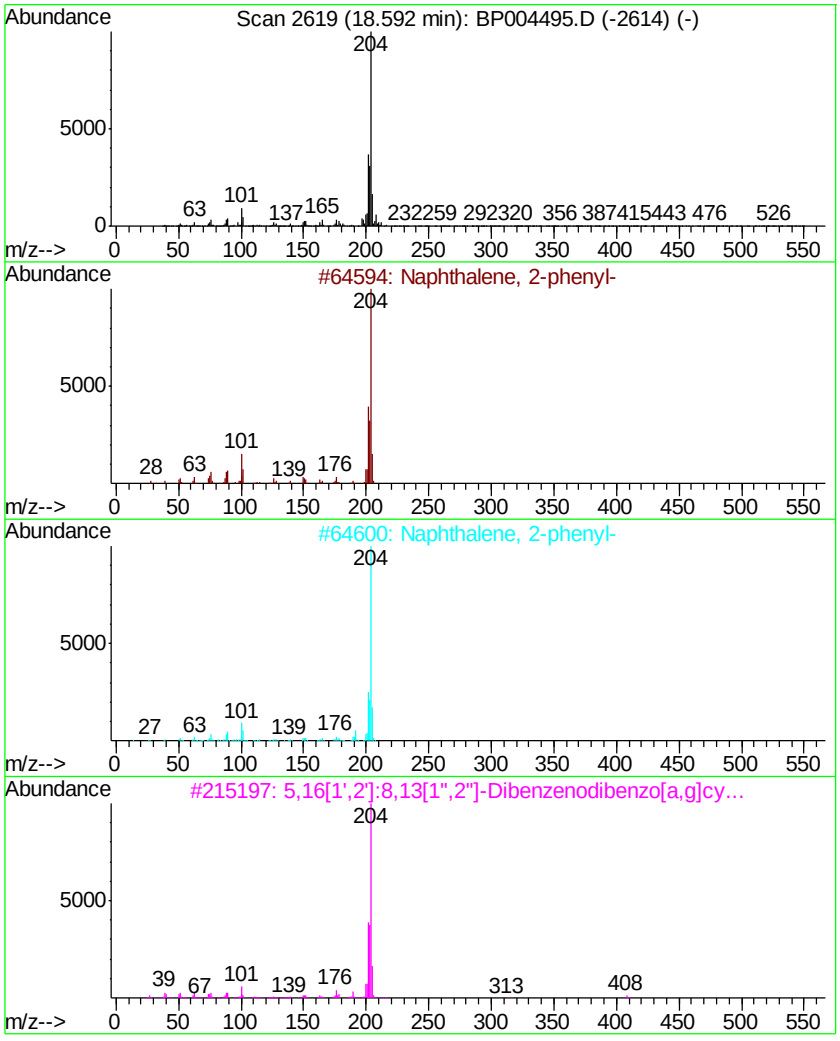
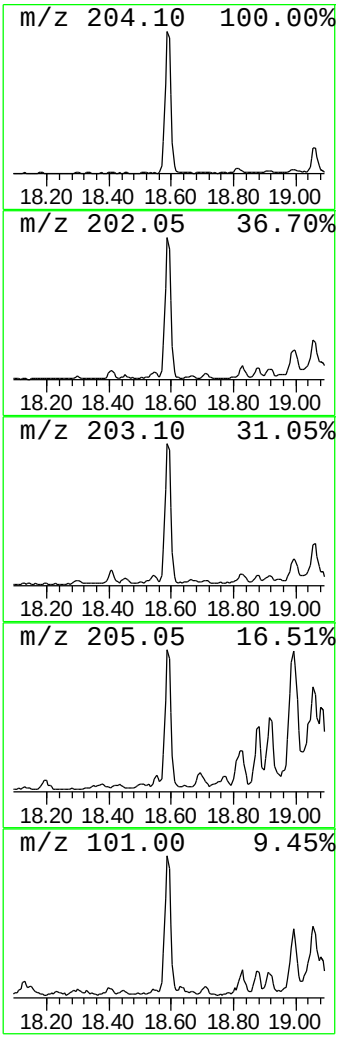
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	4.11 ng/ul	486173	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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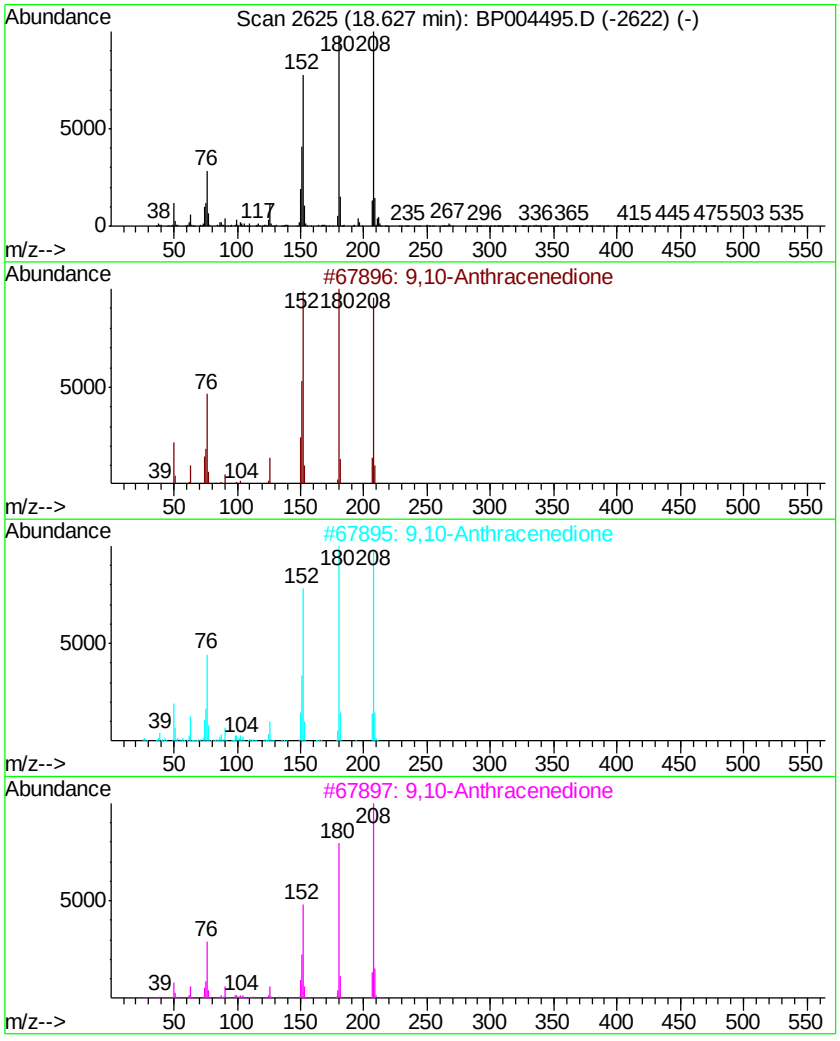
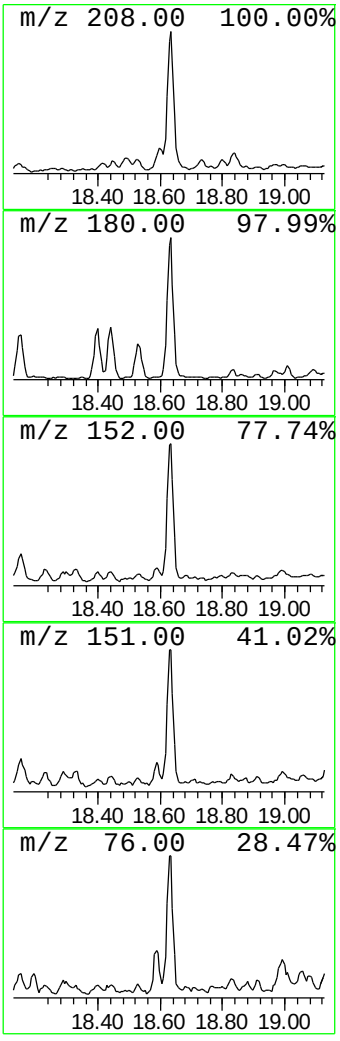
Peak Number 14 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	3.05 ng/ul	360898	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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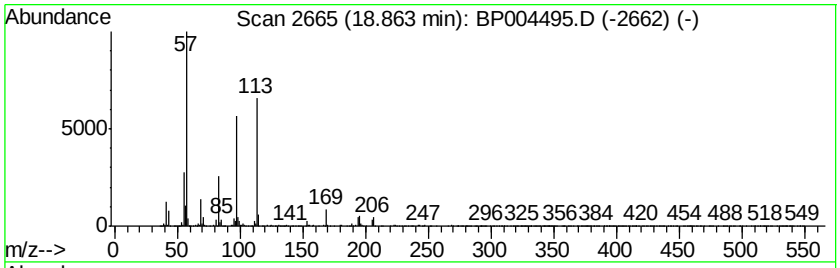
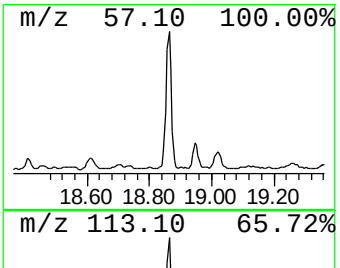
Peak Number 15 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.00 ng/ul	354913	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4-Trimethyl-1-pentanol, pent...	276	C11H17F5O2	1000365-51-0	27
2	Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	25
3	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	25
4	Silane, dichlorocyclohexylmethyl-	196	C7H14Cl2Si	005578-42-7	18
5	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	16





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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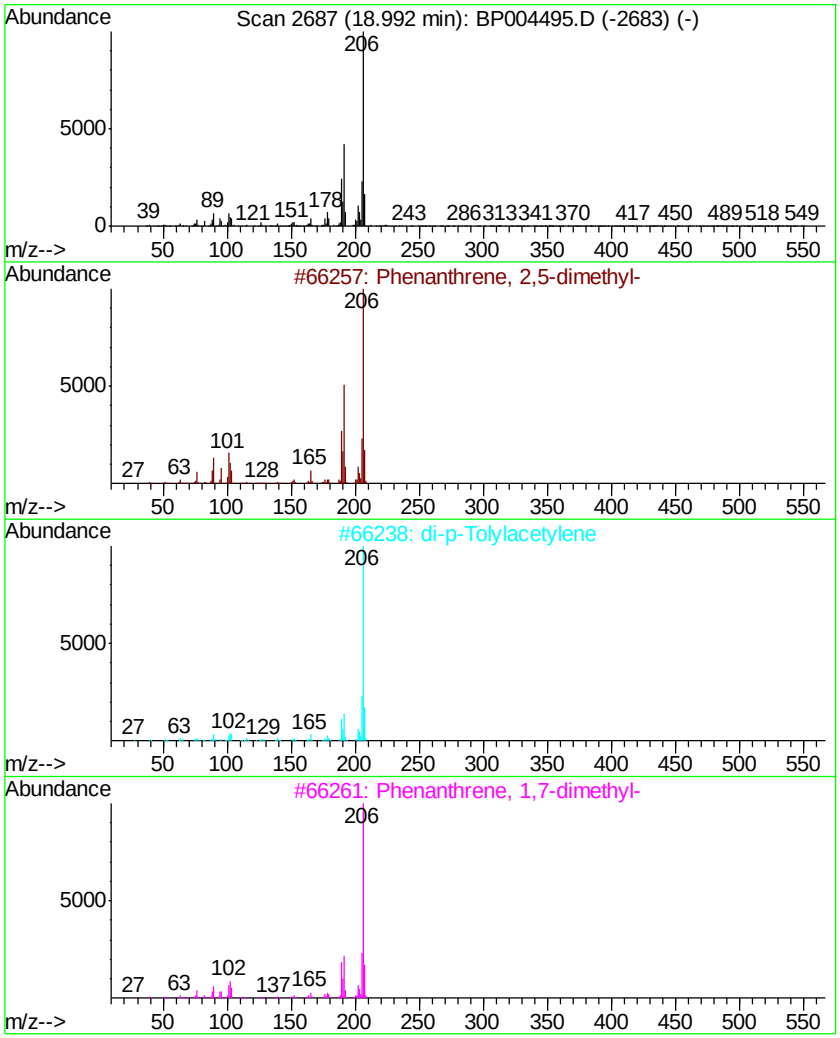
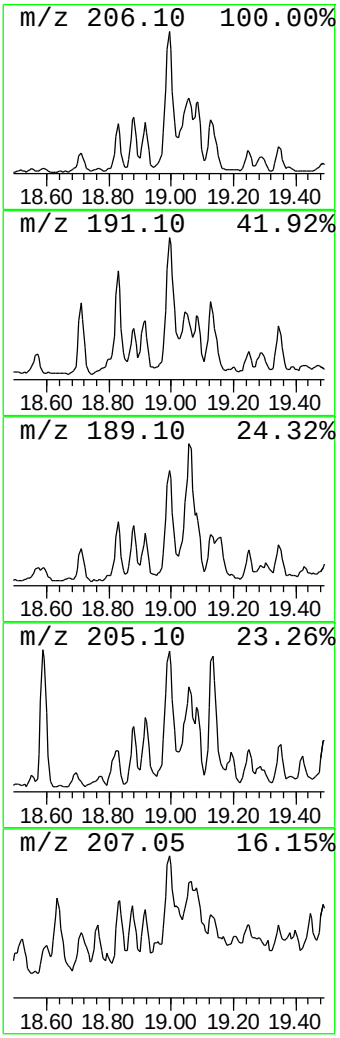
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.21 ng/ul	497743	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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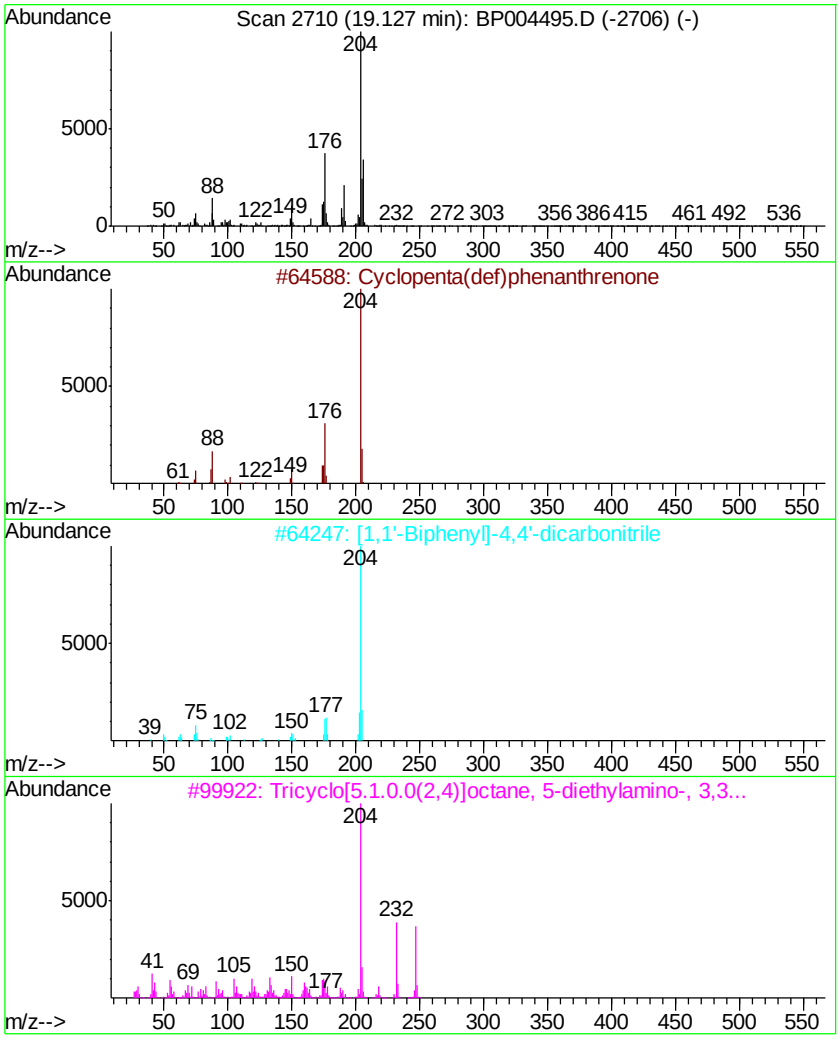
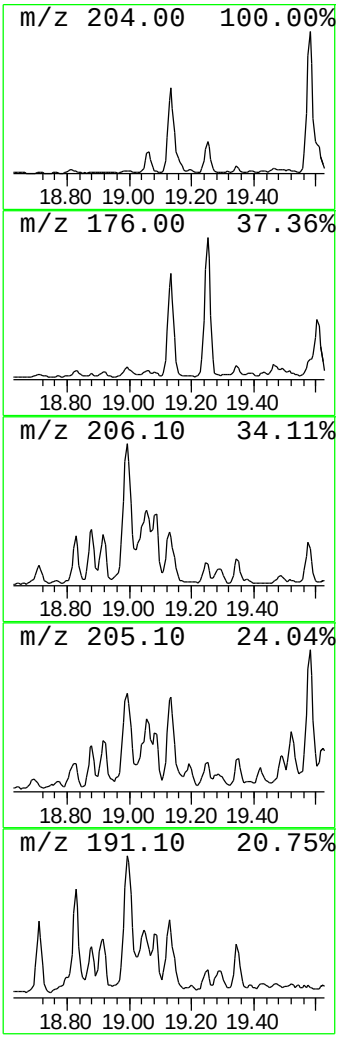
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.71 ng/ul	556568	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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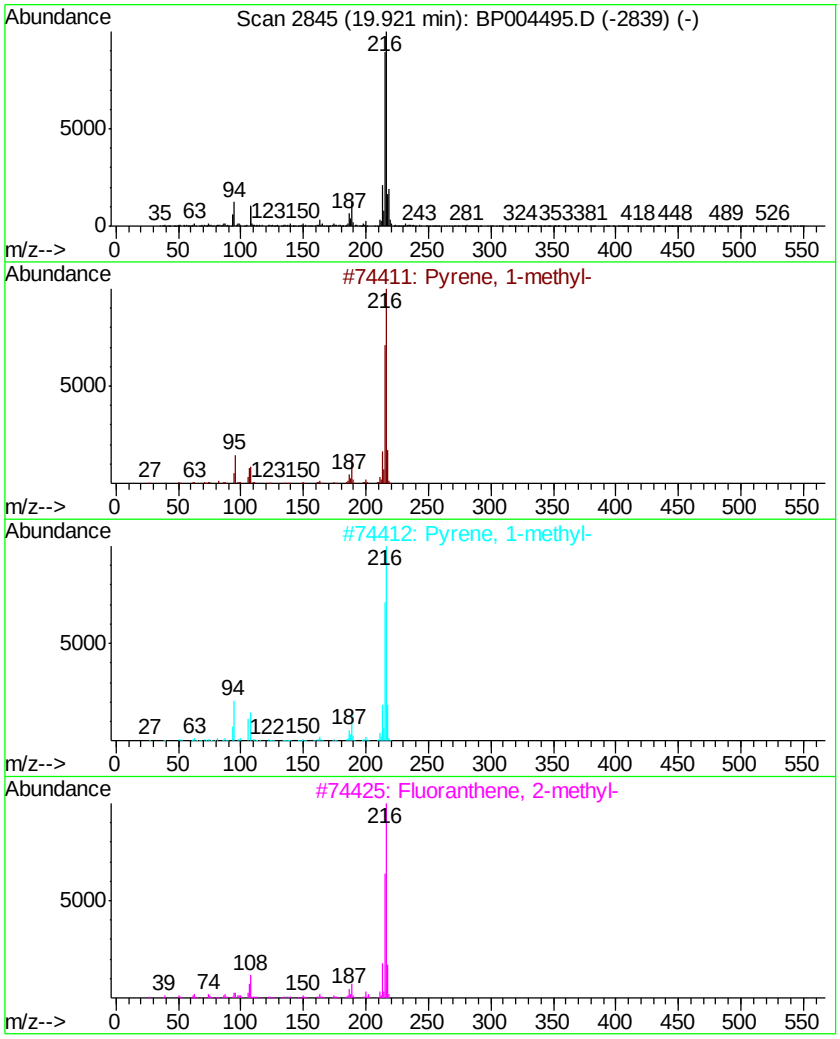
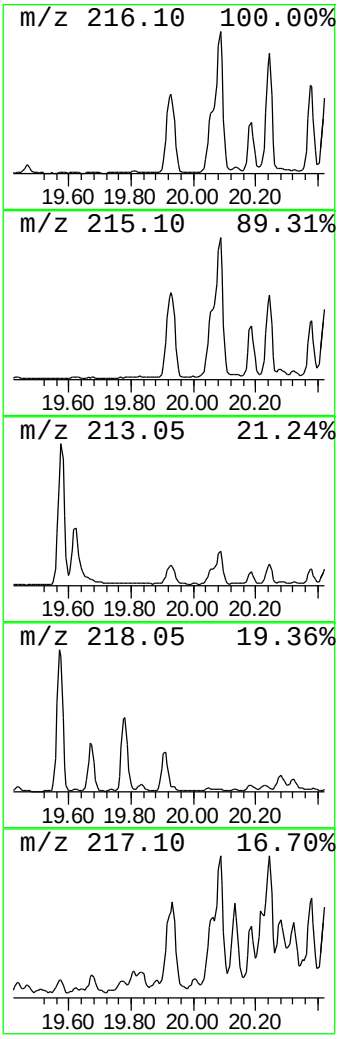
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.74 ng/ul	835804	Chrysene-d12	21.33

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	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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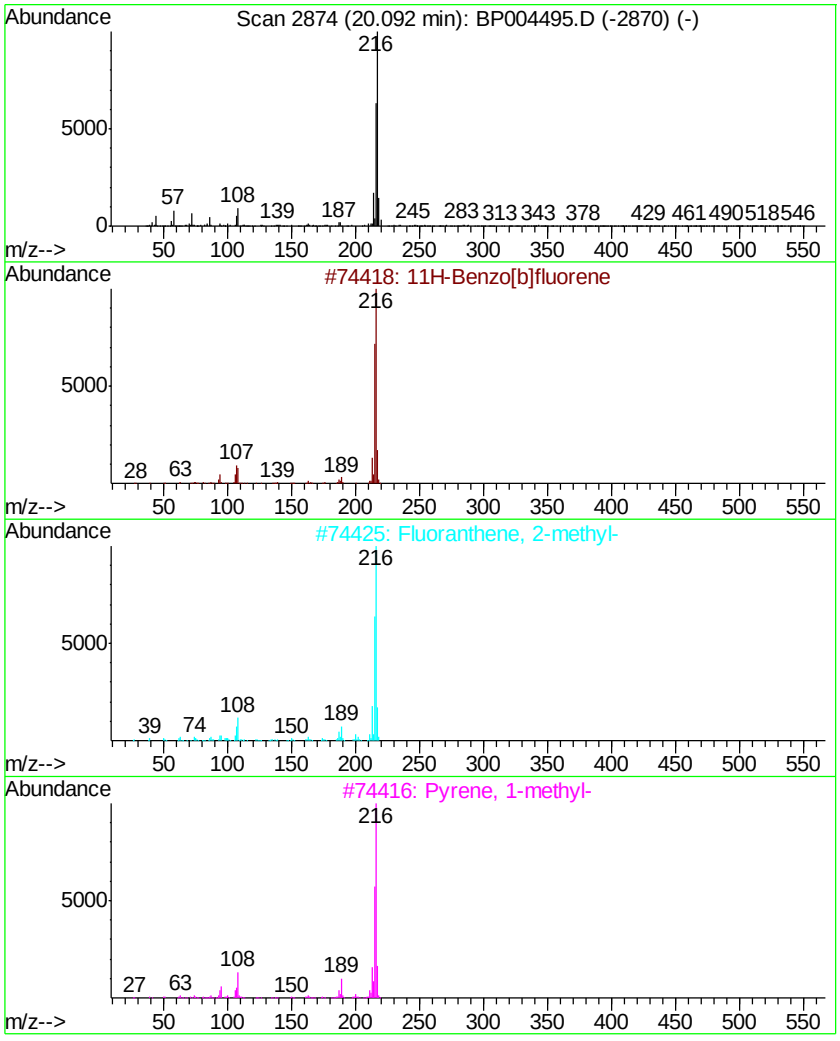
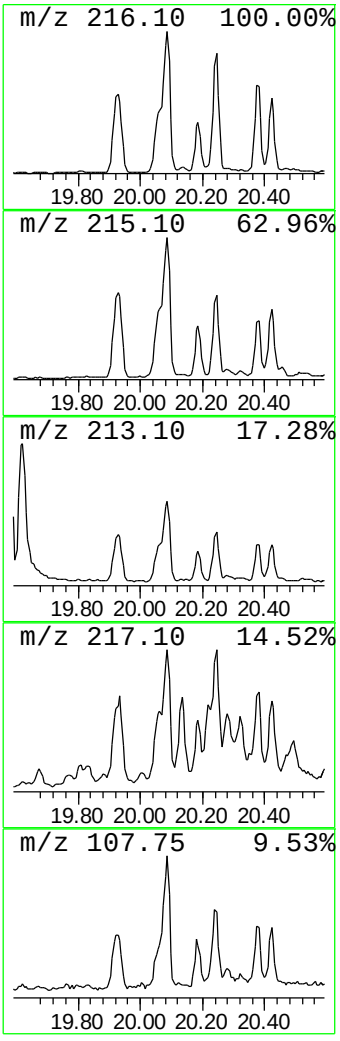
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.16 ng/ul	657527	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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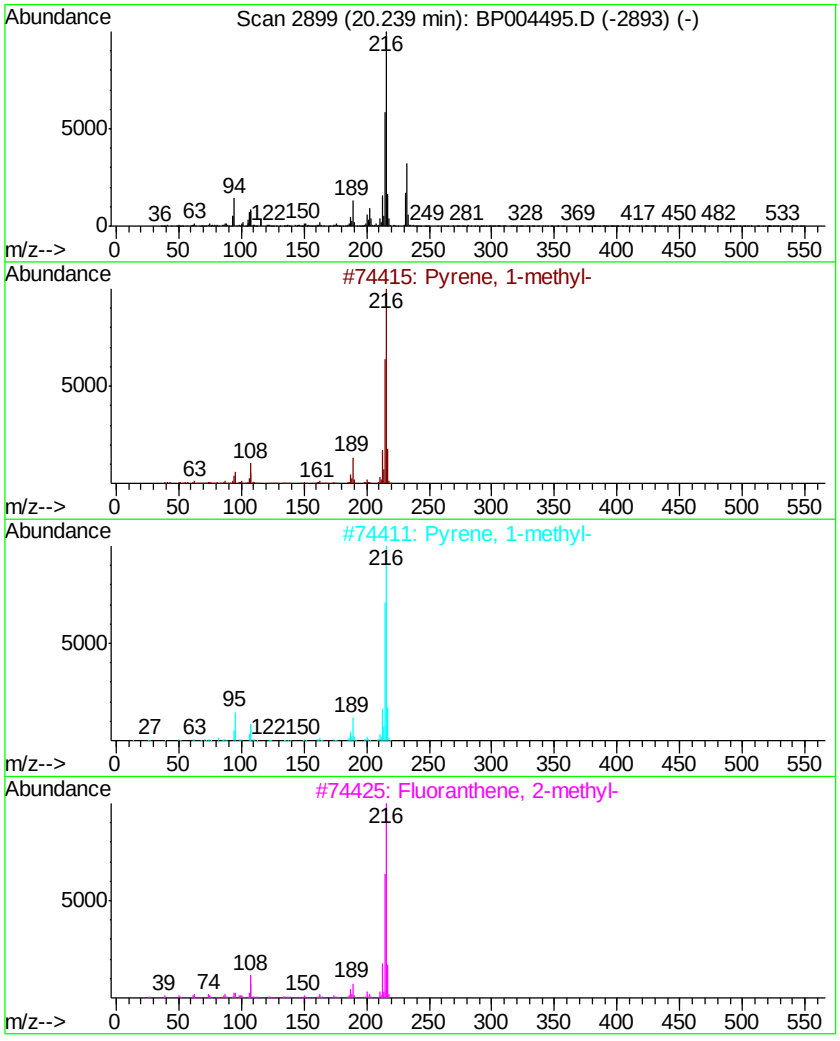
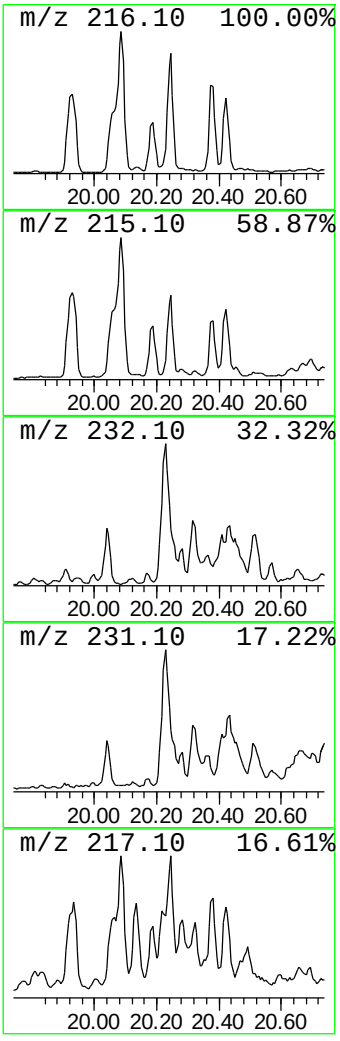
Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.47 ng/ul	752726	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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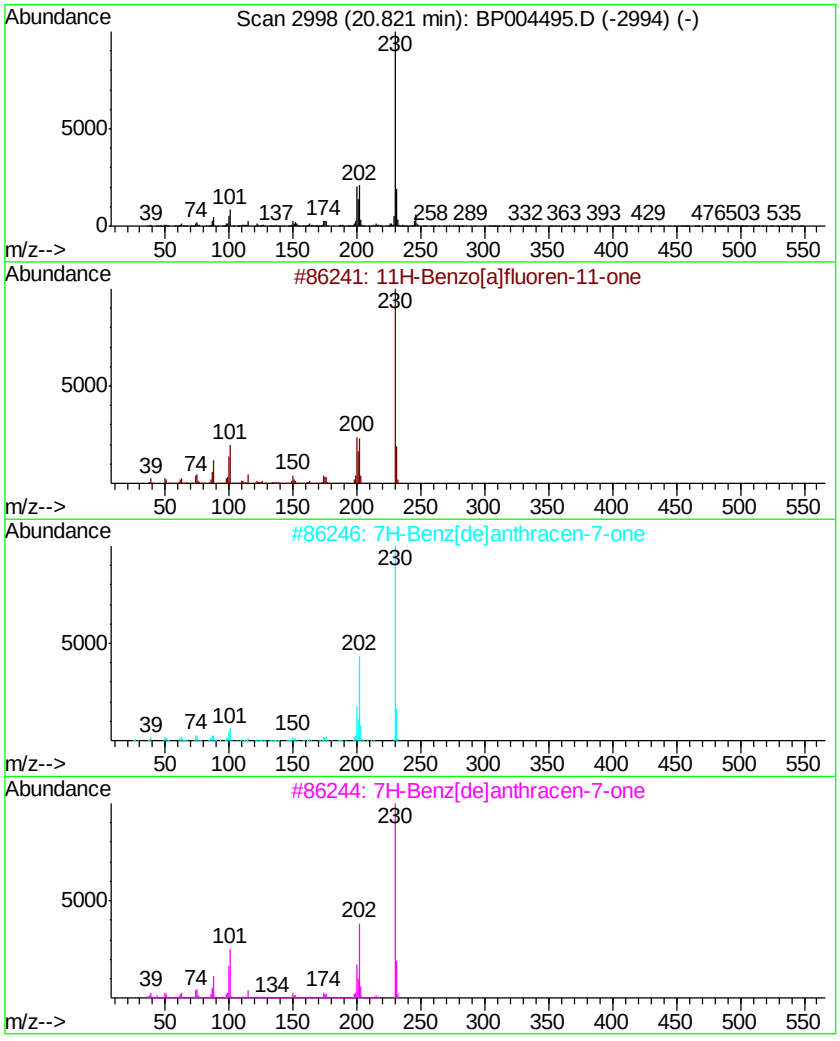
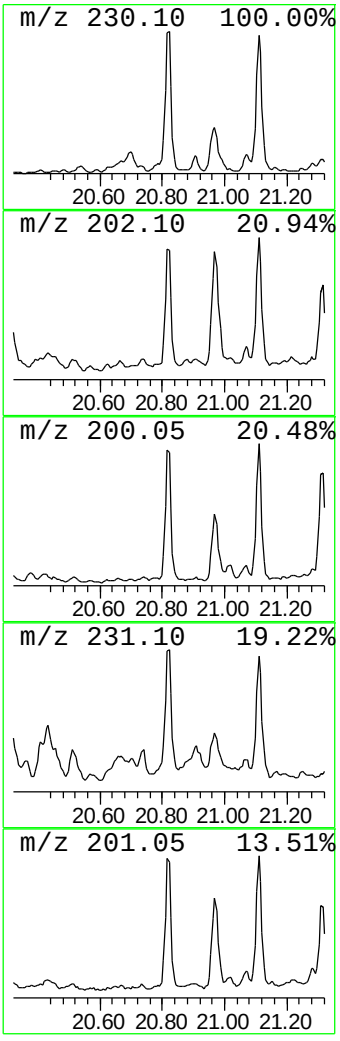
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.35 ng/ul	715905	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83





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Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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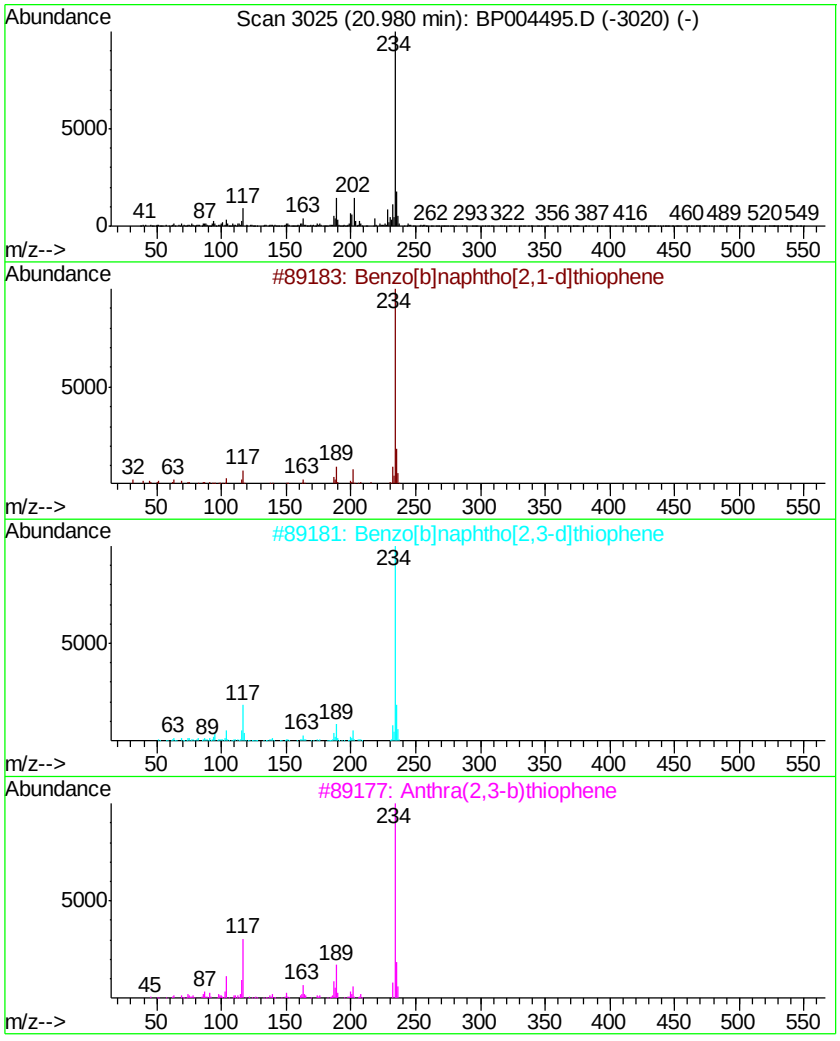
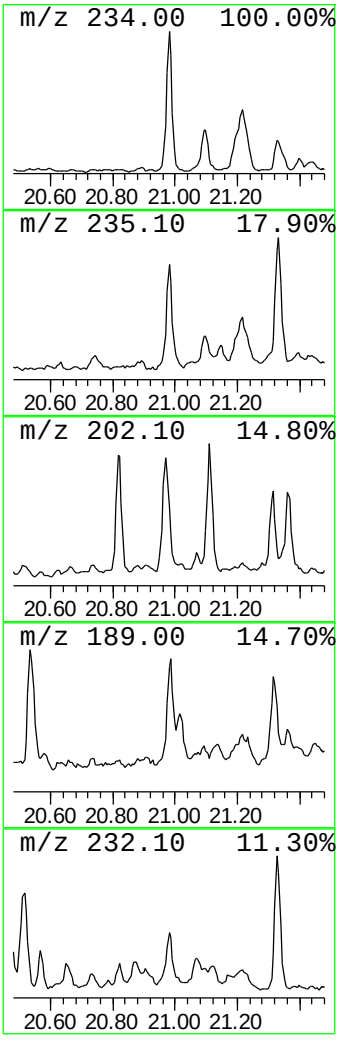
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.15 ng/ul	655963	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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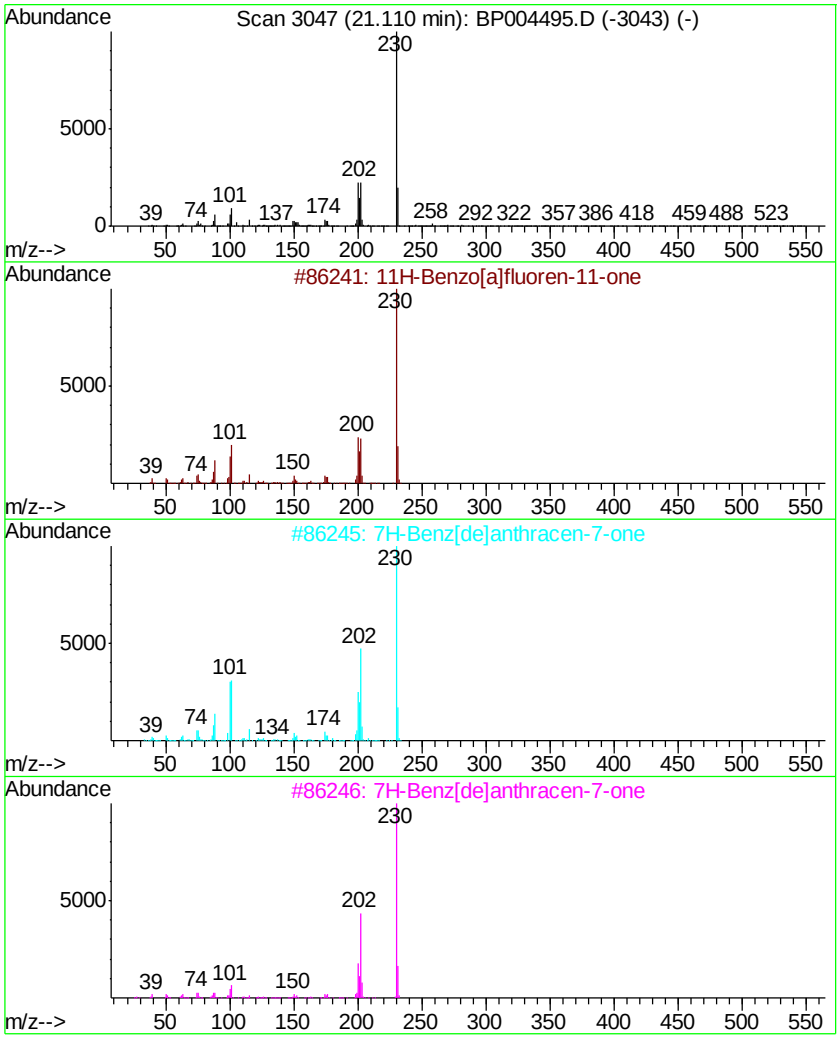
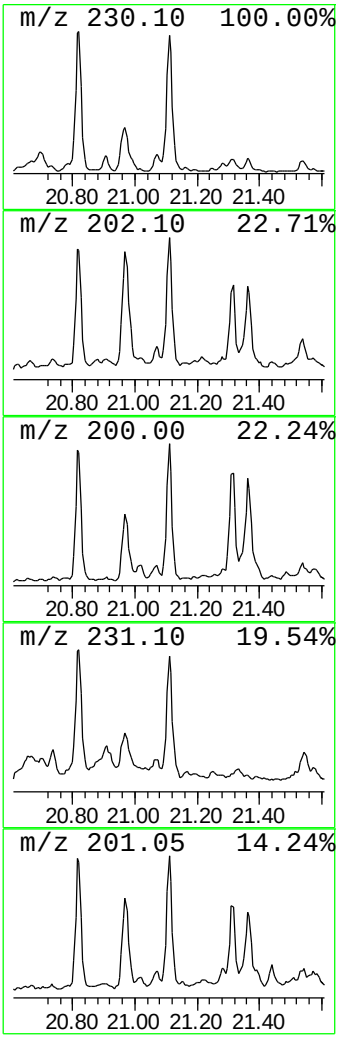
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.60 ng/ul	791669	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





Tentatively Identified Compound (LSC) summary

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Data File : BP004495.D
Acq On : 11 Jan 2021 15:16
Operator : CG/JU
Sample : M1053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BFN59

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.82	3.8	ng/ul	196889	1	7.83	1038230	20.0
[1,1'-Biphenyl]-4...	15.82	2.5	ng/ul	248533	3	14.47	1965630	20.0
Dibenzofuran, 4-m...	15.97	2.6	ng/ul	302875	4	17.23	2364130	20.0
9H-Fluoren-9-one	16.89	3.3	ng/ul	385323	4	17.23	2364130	20.0
Benzenamine, 3-[2...	16.96	2.5	ng/ul	299924	4	17.23	2364130	20.0
Dibenzothiophene	17.05	2.9	ng/ul	343763	4	17.23	2364130	20.0
Phenanthrene, 1-m...	18.10	7.6	ng/ul	894780	4	17.23	2364130	20.0
Phenanthrene, 2-m...	18.15	8.7	ng/ul	1025680	4	17.23	2364130	20.0
1H-Cyclopropa[l]p...	18.23	3.9	ng/ul	458309	4	17.23	2364130	20.0
4H-Cyclopenta[def...	18.29	10.5	ng/ul	1237530	4	17.23	2364130	20.0
Phenanthrene, 4-m...	18.33	3.9	ng/ul	466041	4	17.23	2364130	20.0
Naphthalene, 2-ph...	18.59	4.1	ng/ul	486173	4	17.23	2364130	20.0
9,10-Anthracenedione	18.63	3.0	ng/ul	360898	4	17.23	2364130	20.0
unknown-02	18.86	3.0	ng/ul	354913	4	17.23	2364130	20.0
Phenanthrene, 2,5...	18.99	4.2	ng/ul	497743	4	17.23	2364130	20.0
Cyclopenta(def)ph...	19.13	4.7	ng/ul	556568	4	17.23	2364130	20.0
Pyrene, 1-methyl-	19.92	2.7	ng/ul	835804	5	21.33	6094430	20.0
11H-Benzo[b]fluorene	20.09	2.2	ng/ul	657527	5	21.33	6094430	20.0
Fluoranthene, 2-m...	20.24	2.5	ng/ul	752726	5	21.33	6094430	20.0
11H-Benzo[a]fluor...	20.82	2.4	ng/ul	715905	5	21.33	6094430	20.0
Benzo[b]naphtho[2...	20.98	2.1	ng/ul	655963	5	21.33	6094430	20.0
7H-Benz[de]anthra...	21.11	2.6	ng/ul	791669	5	21.33	6094430	20.0