LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014454.D
Acq On : 02 Mar 2018 10:31
Operator : SJ/JU
Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	3.581	98	101	107	rBV	111980	148695	1.05%	0.112%
2	6.722	629	635	646	rVB2	355972	677428	4.78%	0.512%
3	6.863	652	659	665	rBV	270690	424204	2.99%	0.321%
4	7.051	685	691	698	rBV	394529	633839	4.47%	0.479%
5	7.510	763	769	779	rVB2	432483	703858	4.97%	0.532%
6	8.245	887	894	904	rBV	406153	722441	5.10%	0.546%
7	8.669	959	966	978	rBV	409195	727639	5.13%	0.550%
8	9.387	1081	1088	1095	rBV	386913	662917	4.68%	0.501%
9	9.934	1173	1181	1189	rBV	476117	911933	6.43%	0.689%
10	10.281	1233	1240	1246	rBV	618611	1016253	7.17%	0.768%
11	10.451	1262	1269	1281	rBV4	75552	201176	1.42%	0.152%
12	13.322	1750	1757	1767	rVB8	48387	148255	1.05%	0.112%
13	13.480	1778	1784	1790	rBV8	62145	148739	1.05%	0.112%
14	13.592	1798	1803	1808	rBV	912590	1244639	8.78%	0.941%
15	13.639	1808	1811	1818	rVB	345505	466460	3.29%	0.352%
16	13.863	1837	1849	1860	rBV	1087372	1869272	13.19%	1.413%
17	14.174	1891	1902	1908	rBV2	950321	1526087	10.77%	1.153%
18	14.239	1908	1913	1923	rVB	208274	343599	2.42%	0.260%
19	14.469	1947	1952	1965	rBV3	283634	739015	5.21%	0.558%
20	14.580	1965	1971	1976	rBV	144622	262910	1.85%	0.199%
21	15.174	2067	2072	2078	rBV	1305527	1848048	13.04%	1.397%
22	15.233	2078	2082	2088	rVB2	223585	350280	2.47%	0.265%
23	15.351	2093	2102	2107	rBV2	477638	791240	5.58%	0.598%
24	15.551	2128	2136	2141	rBV2	246200	446687	3.15%	0.338%
25	15.674	2148	2157	2164	rBV3	131869	439345	3.10%	0.332%
26	15.992	2207	2211	2214	rVB3	103025	147934	1.04%	0.112%
27	16.227	2246	2251	2252	rBV4	121198	155856	1.10%	0.118%
28	16.357	2267	2273	2277	rBV4	394231	699895	4.94%	0.529%
29	16.474	2285	2293	2295	rBV5	81112	161105	1.14%	0.122%
30	16.510	2295	2299	2308	rVB3	209034	373342	2.63%	0.282%
31	16.604	2310	2315	2321	rBV	178882	264235	1.86%	0.200%
32	16.692	2323	2330	2336	rBV9	111067	257671	1.82%	0.195%
33	16.757	2336	2341	2347	rBV	217087	304298	2.15%	0.230%
34	16.939	2366	2372	2375	rBV	1234791	1773016	12.51%	1.340%

LSC Area Percent Report

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Acq On : 02 Mar 2018 10:31
Operator : SJ/JU
Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	16.980	2375	2379	2384	rVV	4213435	5669006	39.99%	4.284%
36	17.039	2384	2389	2392	rVV2	1489893	2225964	15.70%	1.682%
37	17.068	2392	2394	2400	rVB	724473	950186	6.70%	0.718%
38	17.357	2436	2443	2452	rBV2	271650	544514	3.84%	0.411%
39	17.521	2467	2471	2479	rVB2	152347	322960	2.28%	0.244%
40	17.815	2516	2521	2524	rBV	813142	1202854	8.49%	0.909%
41	17.857	2524	2528	2534	rVB2	1961846	3209089	22.64%	2.425%
42	17.945	2539	2543	2547	rVB2	265456	363712	2.57%	0.275%
43	18.009	2548	2554	2558	rBV2	1069481	1898208	13.39%	1.434%
44	18.045	2558	2560	2567	rVB	593781	741851	5.23%	0.561%
45	18.145	2571	2577	2580	rVV2	697353	1167366	8.24%	0.882%
46	18.186	2580	2584	2595	rVB3	905477	1665919	11.75%	1.259%
47	18.321	2603	2607	2612	rVV	450052	601434	4.24%	0.454%
48	18.380	2613	2617	2624	rVB	776071	1067394	7.53%	0.807%
49	18.568	2647	2649	2654	rVB	214466	237137	1.67%	0.179%
50	18.621	2655	2658	2662	rVV	203039	281648	1.99%	0.213%
51	18.662	2662	2665	2669	rVB2	190680	255301	1.80%	0.193%
52	18.745	2675	2679	2683	rBV2	553906	841609	5.94%	0.636%
53	18.804	2685	2689	2693	rVV3	259342	449247	3.17%	0.339%
54	18.898	2699	2705	2709	rBV2	437747	864411	6.10%	0.653%
55	19.015	2719	2725	2732	rVB	7214781	9201886	64.92%	6.954%
56	19.145	2739	2747	2755	rVB5	1031873	1931133	13.62%	1.459%
57	19.351	2777	2782	2784	rBV2	2615798	3630554	25.61%	2.744%
58	19.386	2784	2788	2796	rVV	6715627	9129272	64.41%	6.899%
59	19.456	2797	2800	2803	rVV2	326929	478908	3.38%	0.362%
60	19.486	2803	2805	2810	rVB	251582	285070	2.01%	0.215%
61	19.715	2838	2844	2850	rBV3	451020	1080418	7.62%	0.816%
62	19.880	2864	2872	2877	rVB	869243	2013301	14.20%	1.521%
63	19.980	2886	2889	2893	rBV	537793	726662	5.13%	0.549%
64	20.045	2896	2900	2904	rVB2	774601	1004496	7.09%	0.759%
65	20.180	2920	2923	2927	rBV	504918	637286	4.50%	0.482%
66	20.227	2928	2931	2935	rVB	536045	671288	4.74%	0.507%
67	20.445	2964	2968	2971	rBV	935613	1179084	8.32%	0.891%
68	20.621	2995	2998	3000	rBV	512816	622451	4.39%	0.470%
69	20.803	3025	3029	3032	rBV	585622	776191	5.48%	0.587%
70	20.839	3032	3035	3037	rVV	540516	641093	4.52%	0.484%
71	20.868	3037	3040	3049	rVV4	565782	1266095	8.93%	0.957%

LSC Area Percent Report

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Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	20.945	3050	3053	3060	rVB	663062	940344	6.63%	0.711%
73	21.074	3070	3075	3079	rVB	14239264	14174622	100.00%	10.712%
74	21.145	3082	3087	3093	rVV2	3650004	7320243	51.64%	5.532%
75	21.198	3093	3096	3101	rVB	3349725	3847432	27.14%	2.907%
76	21.309	3112	3115	3122	rVB2	591354	800316	5.65%	0.605%
77	21.374	3122	3126	3128	rBV	987420	1312782	9.26%	0.992%
78	21.403	3128	3131	3136	rVB	4508838	5196802	36.66%	3.927%
79	21.627	3165	3169	3172	rBV	777538	948241	6.69%	0.717%
80	21.703	3180	3182	3187	rVB	487119	447964	3.16%	0.339%
81	22.292	3279	3282	3287	rVB	387363	479634	3.38%	0.362%
82	22.656	3341	3344	3347	rBV	581904	817295	5.77%	0.618%
83	22.697	3347	3351	3356	rBV	1696373	3379331	23.84%	2.554%
84	23.156	3425	3429	3433	rBV	985821	1687884	11.91%	1.276%
85	23.203	3434	3437	3441	rVV2	879030	1450650	10.23%	1.096%
86	23.250	3441	3445	3454	rVB	1784204	2867168	20.23%	2.167%
87	23.344	3457	3461	3465	rBV	547496	833307	5.88%	0.630%
88	23.809	3535	3540	3547	rVB	1746949	3078818	21.72%	2.327%
89	25.521	3826	3831	3837	rVB	592601	1320638	9.32%	0.998%

Sum of corrected areas: 132330780

LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
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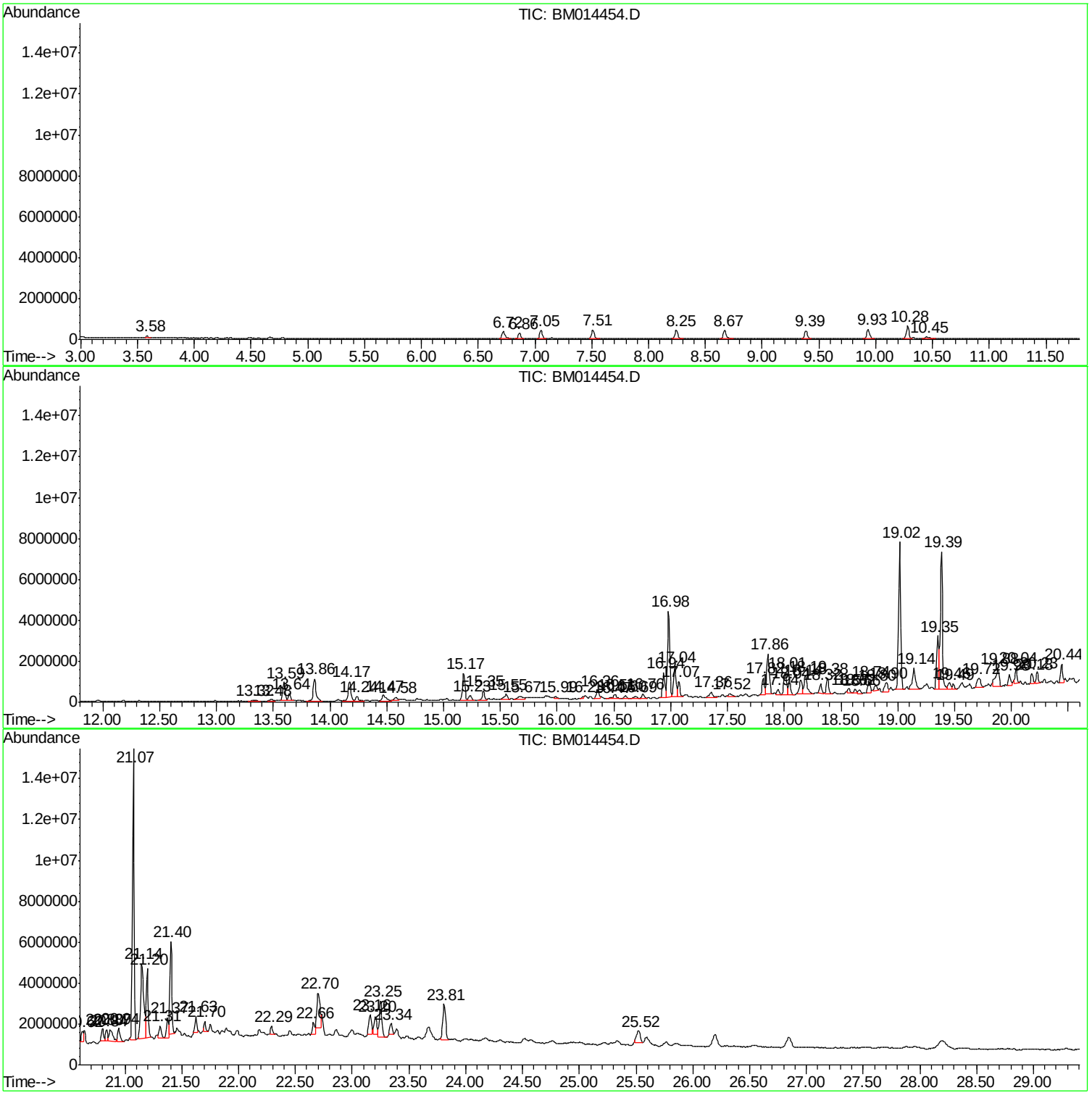
Acq On : 02 Mar 2018 10:31
Operator : SJ/JU
Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014454.D
Acq On : 02 Mar 2018 10:31
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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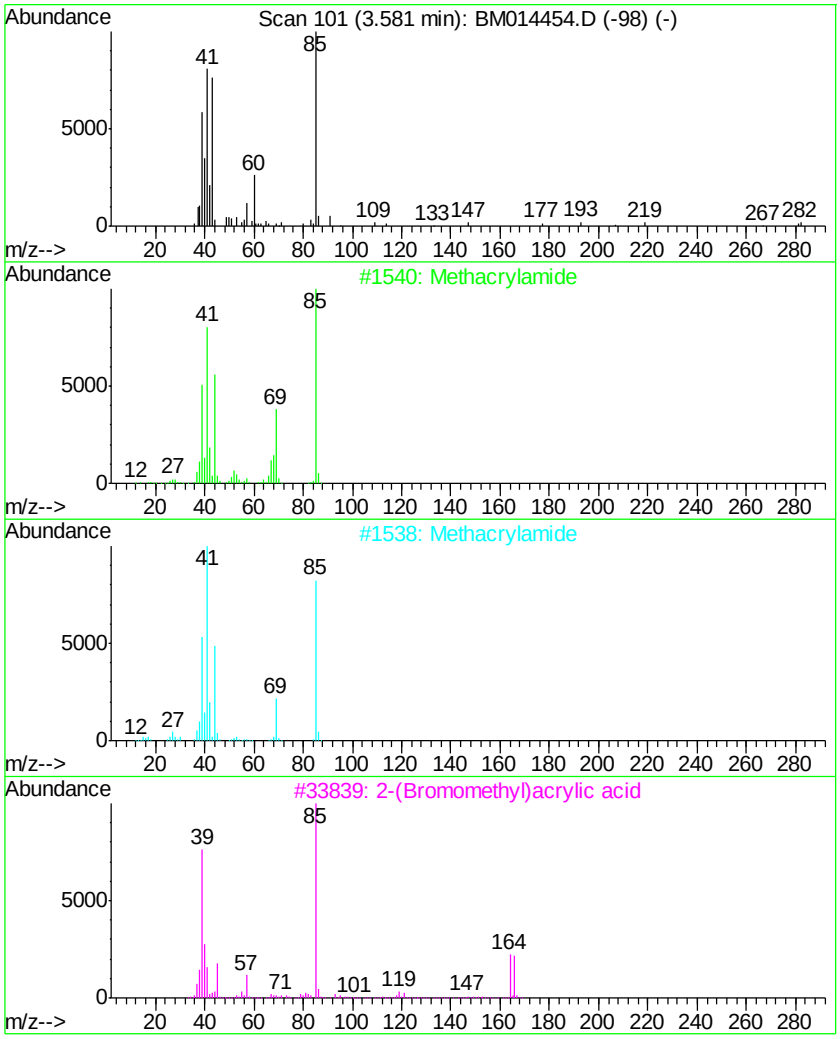
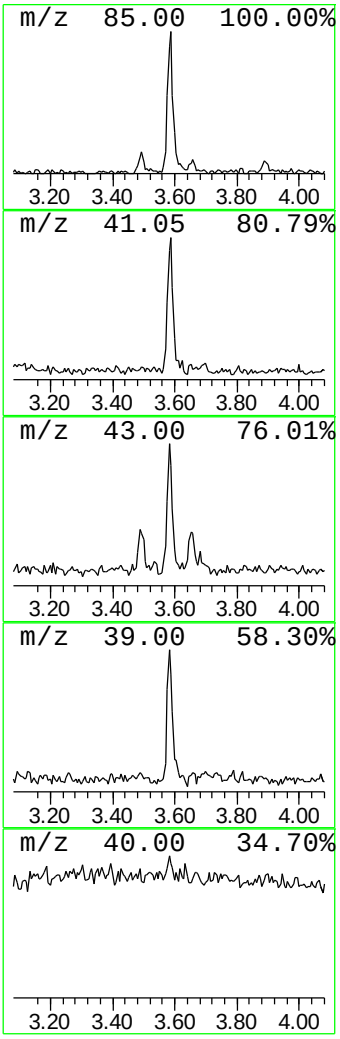
Peak Number 1 Methacrylamide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	4.23 ng/ul	148695	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	83
2	Methacrylamide	85	C4H7NO	000079-39-0	72
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	59
4	Methacrylamide	85	C4H7NO	000079-39-0	52
5	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	45





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Data File : BM014454.D
Acq On : 02 Mar 2018 10:31
Operator : SJ/JU
Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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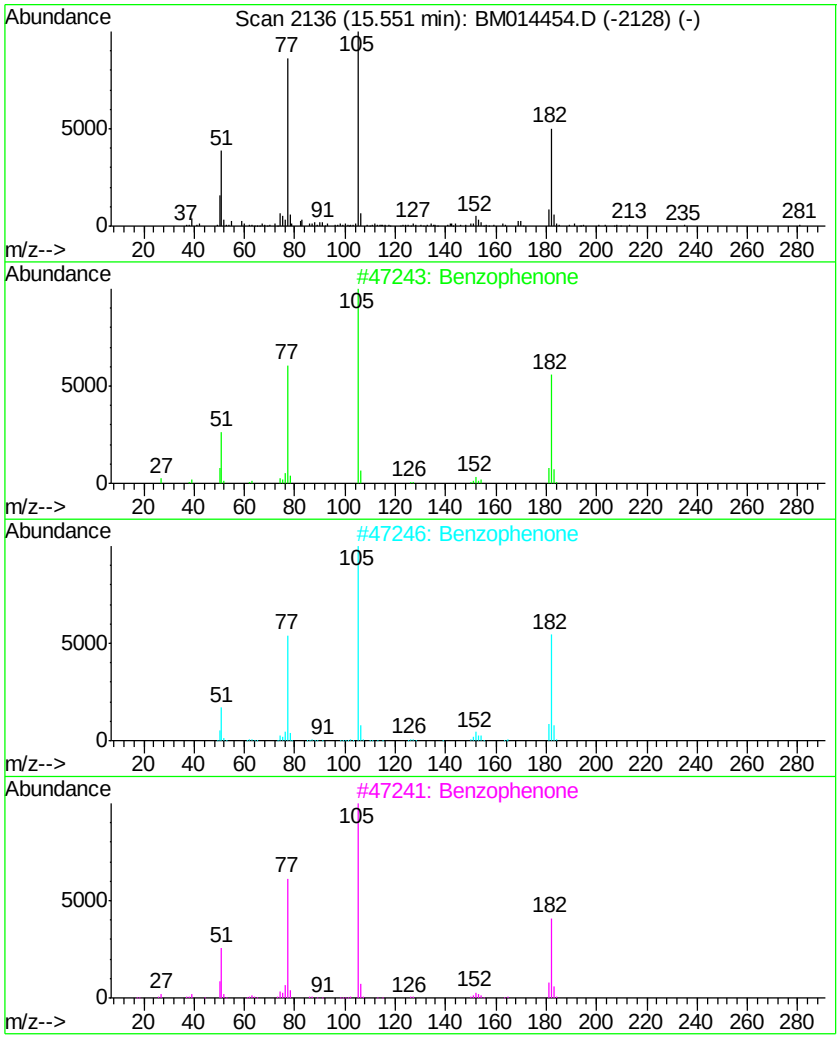
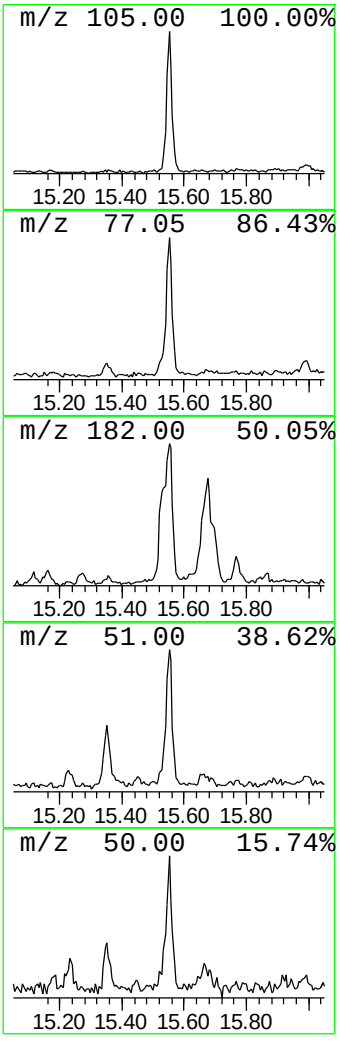
Peak Number 2 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.85 ng/ul	446687	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzophenone	182	C13H10O	000119-61-9	94
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	86





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Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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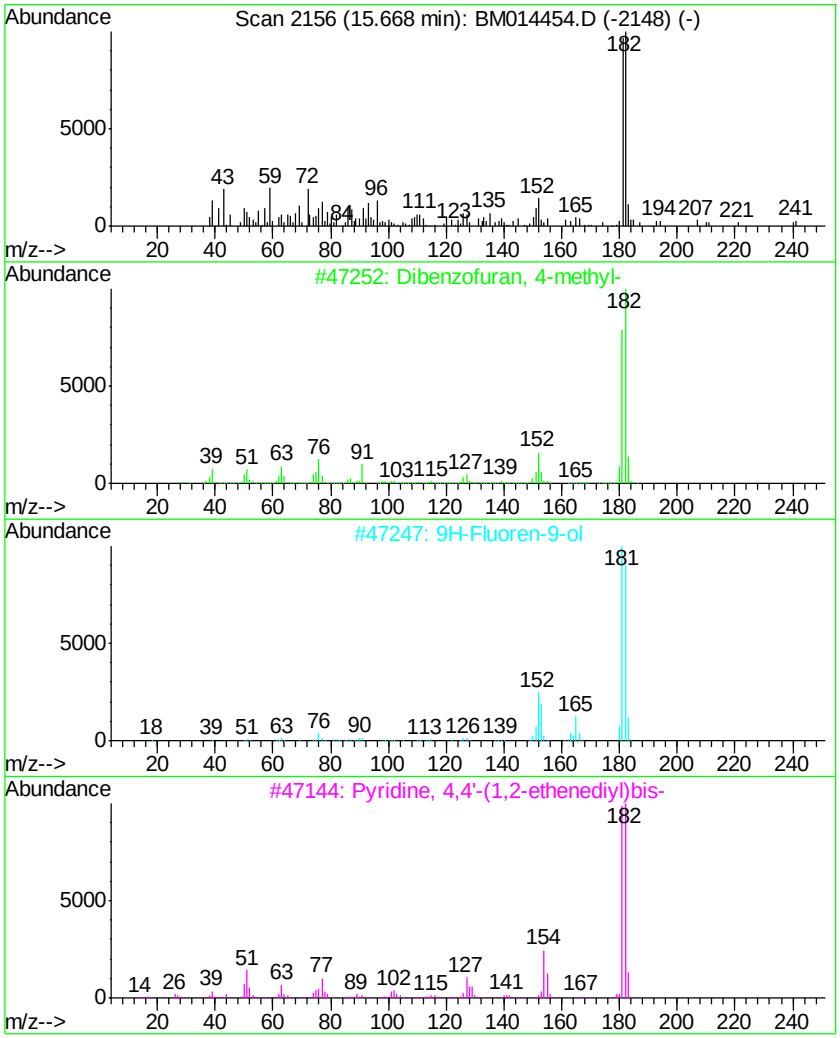
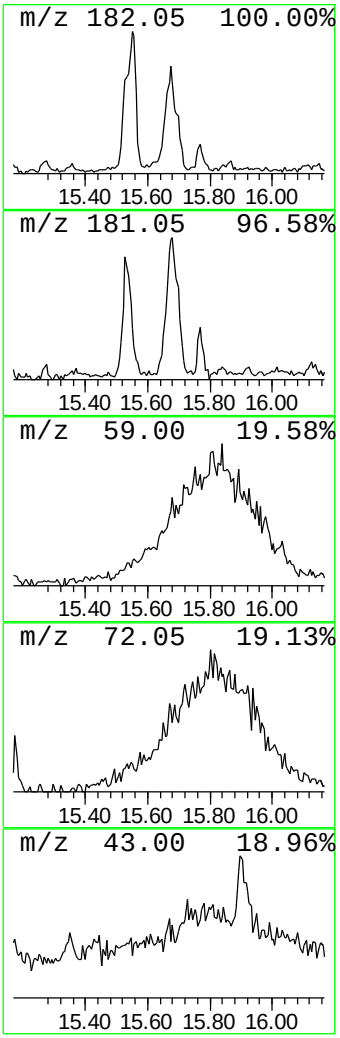
Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	4.96 ng/ul	439345	Phenanthrene-d10	16.94

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	74
3	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	53
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	43





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Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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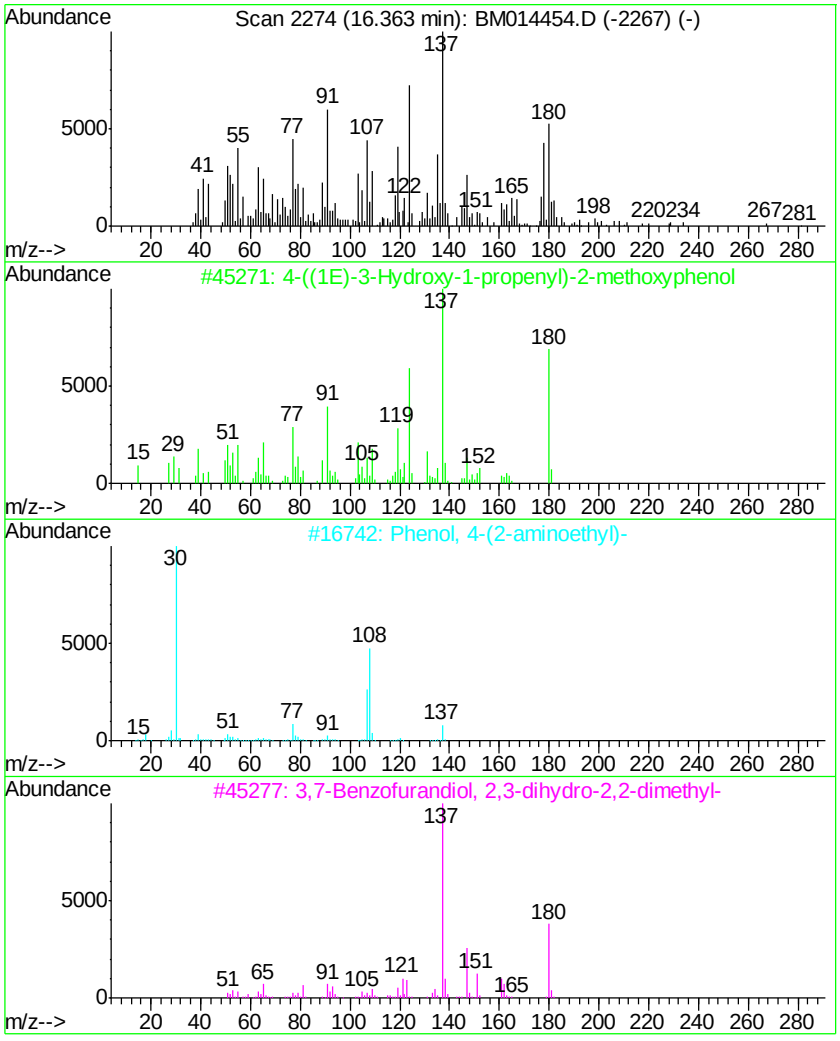
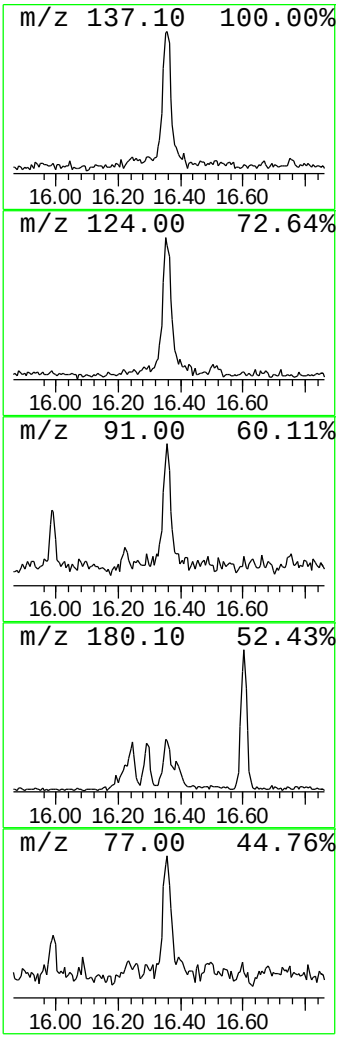
Peak Number 4 4-((1E)-3-Hydroxy-1-propeny... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	7.89 ng/ul	699895	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-((1E)-3-Hydroxy-1-propenyl)-2-...	180	C10H12O3	1000297-95-5	50
2	Phenol, 4-(2-aminoethyl)-	137	C8H11NO	000051-67-2	38
3	3,7-Benzofurandiol, 2,3-dihydro-...	180	C10H12O3	017781-15-6	35
4	3,7-Benzofurandiol, 2,3-dihydro-...	180	C10H12O3	017781-15-6	30
5	1-(Prop-2-ynyloxy)-3,4-methylene...	178	C10H10O3	019202-22-3	25





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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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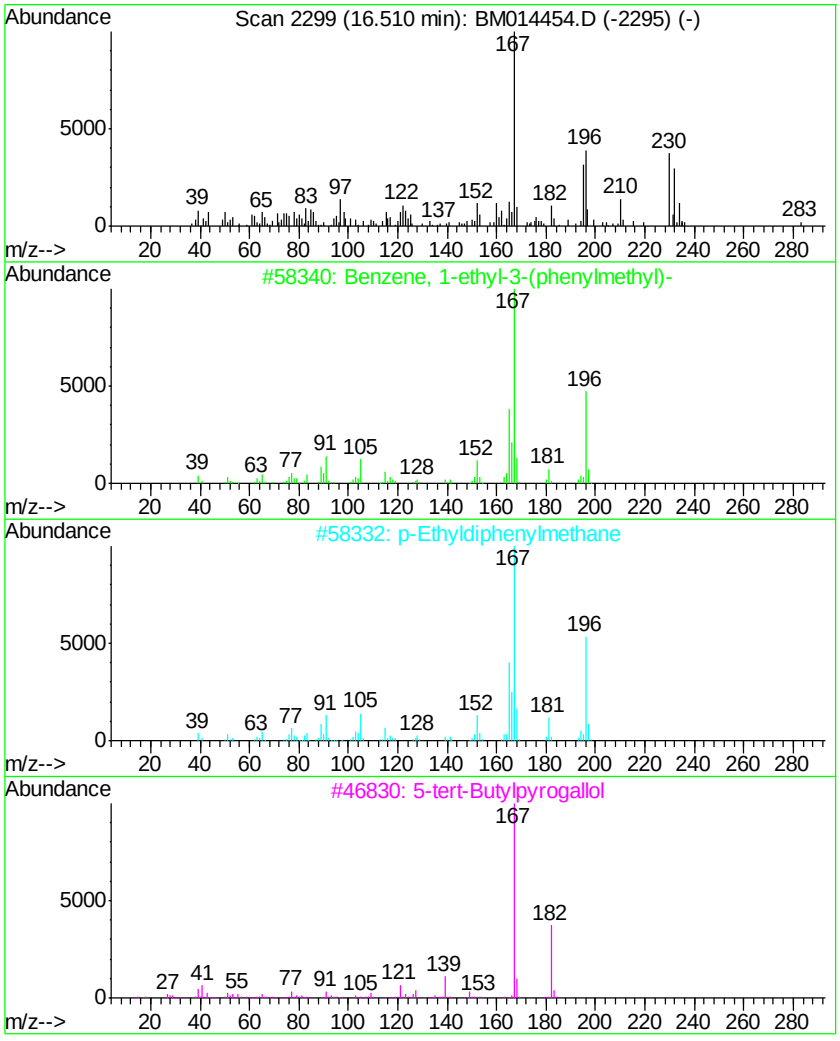
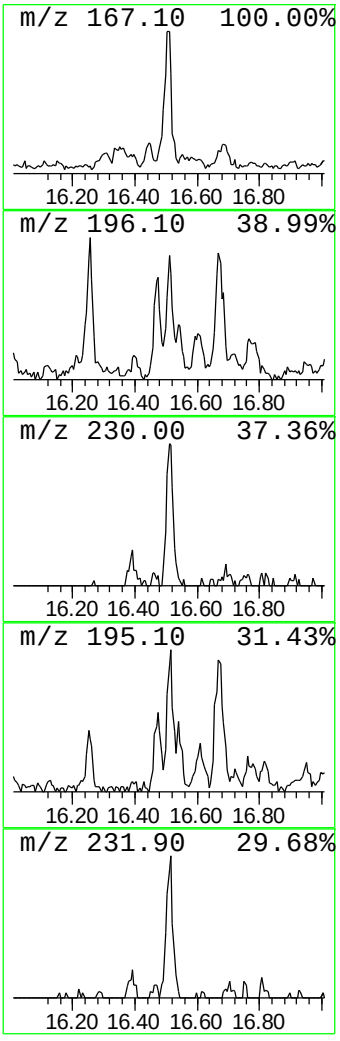
Peak Number 5 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	4.21 ng/ul	373342	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	46
2	p-Ethyldiphenylmethane	196	C15H16	000620-85-9	43
3	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	38
4	Silane, dimethoxymethylphenyl-	182	C9H14O2Si	003027-21-2	35
5	1-Chloromethyl-3-(1,1-dimethylet...	182	C11H15Cl	038580-79-9	35





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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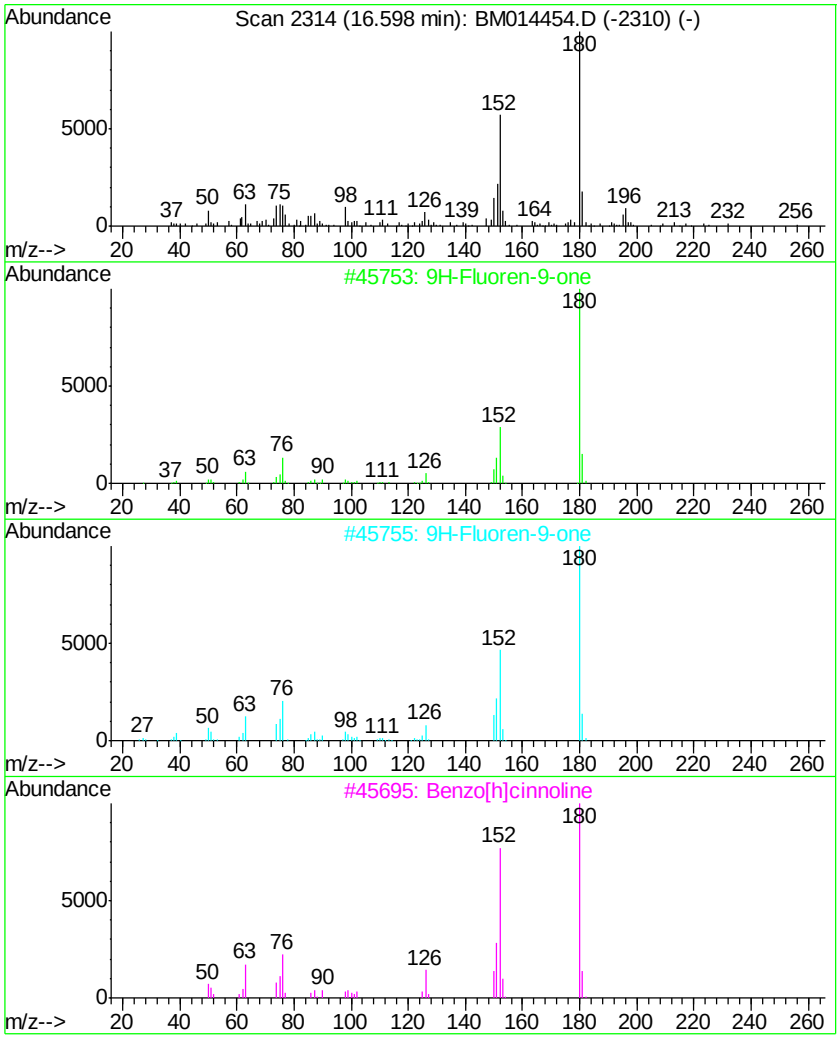
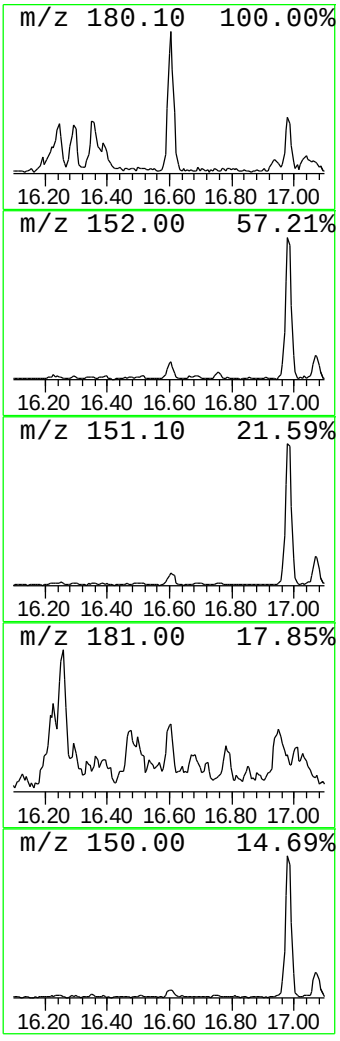
Peak Number 6 9H-Fluoren-9-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.98 ng/ul	264235	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90





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

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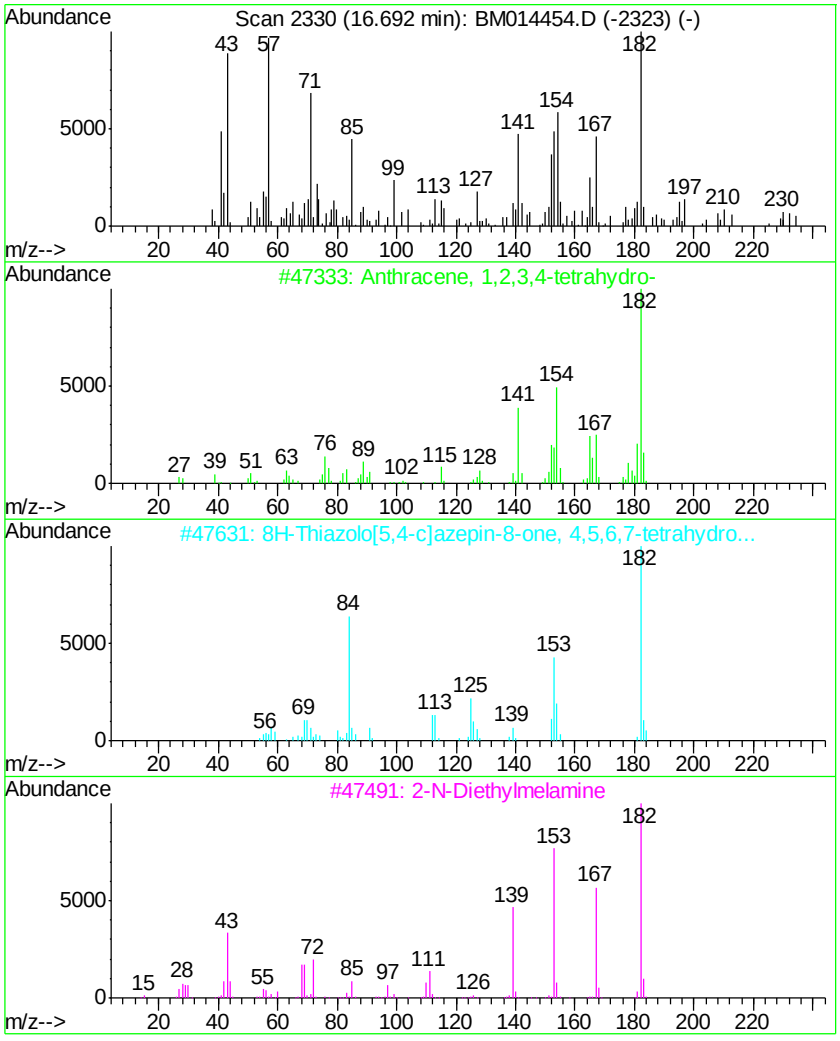
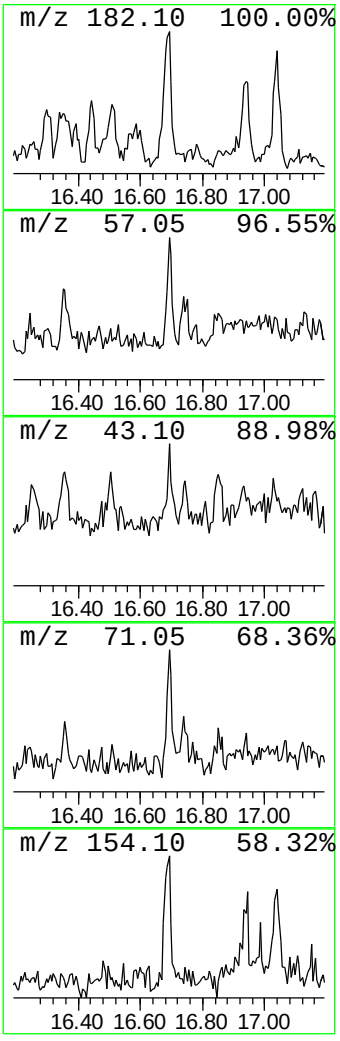
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.91 ng/ul	257671	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	52
2	8H-Thiazolo[5,4-c]azepin-8-one, ...	182	C8H10N2OS	031967-03-0	38
3	2-N-Diethylmelamine	182	C7H14N6	002073-31-6	35
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	30
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	27





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Quant Title : SVOA CALIBRATION

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

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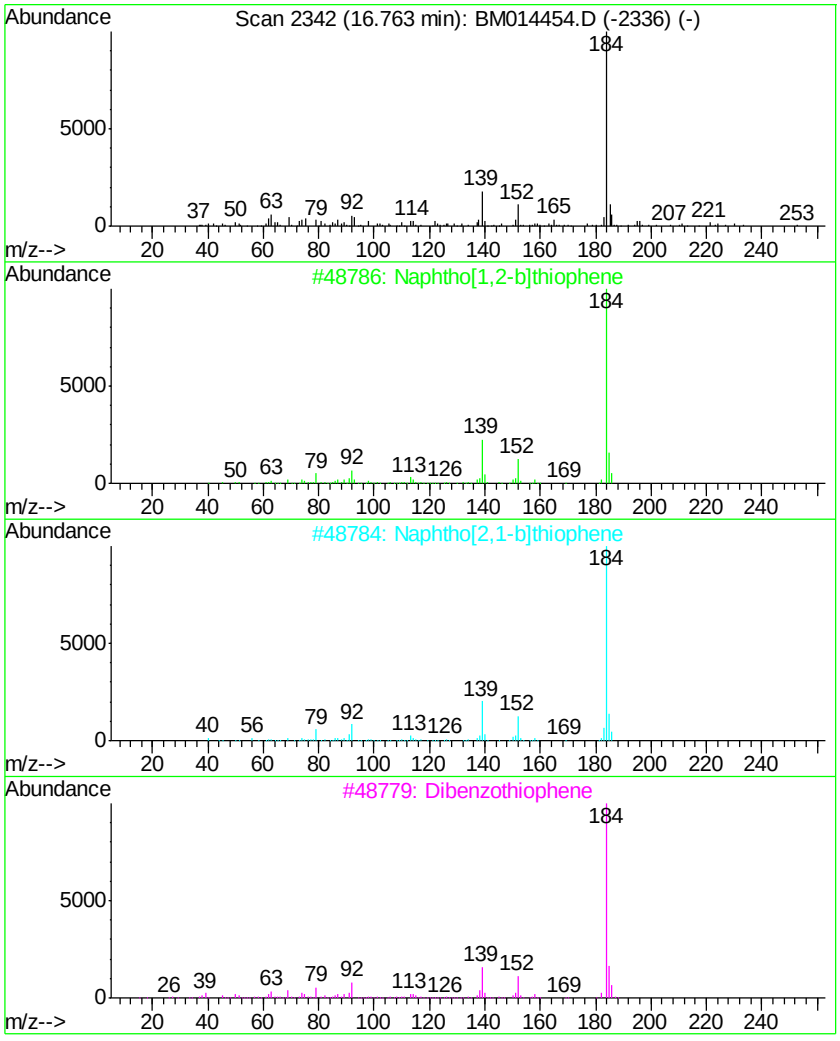
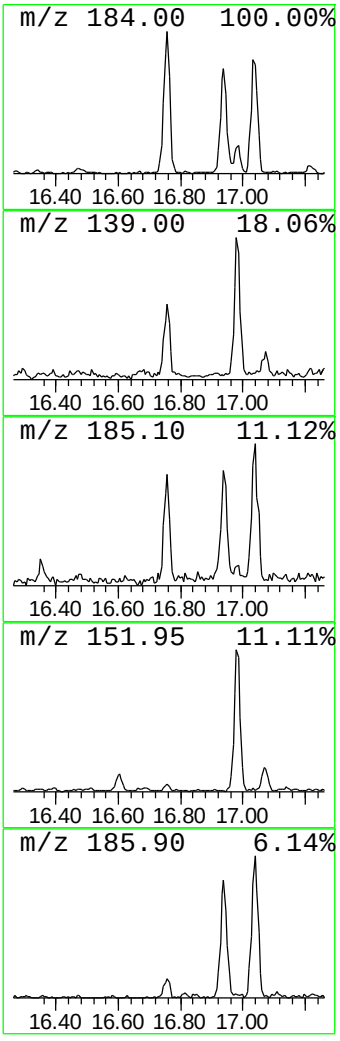
Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.43 ng/ul	304298	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Quant Title : SVOA CALIBRATION

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

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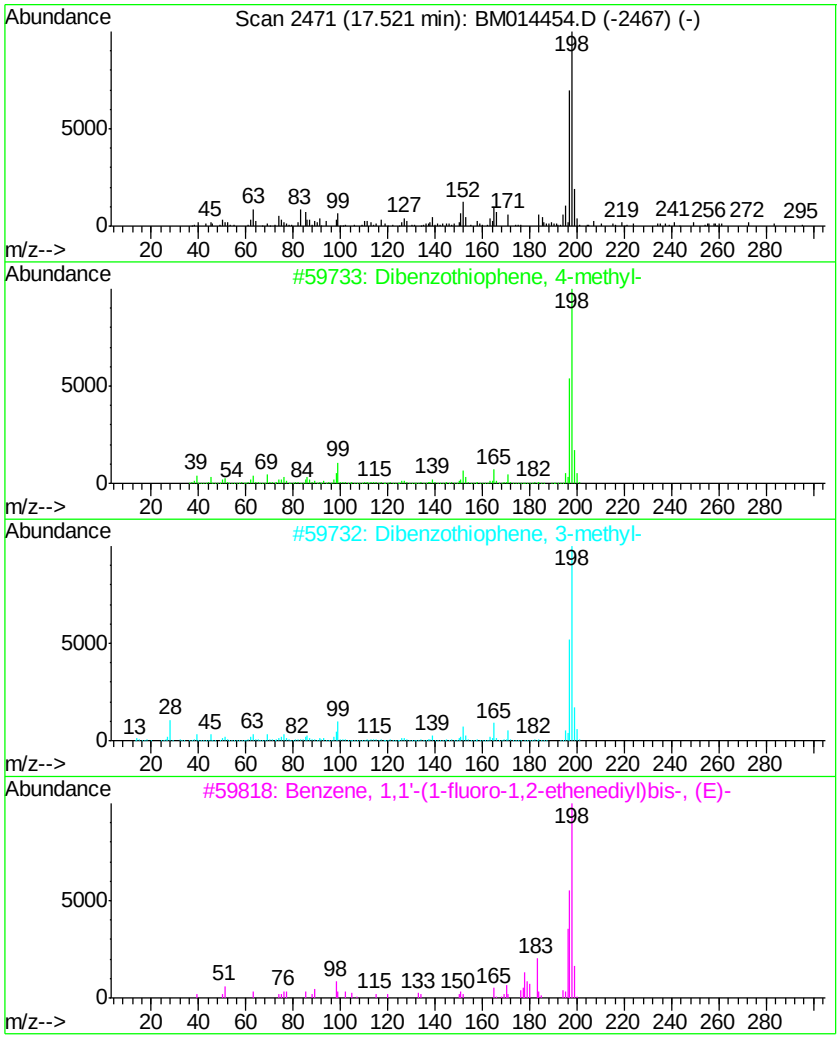
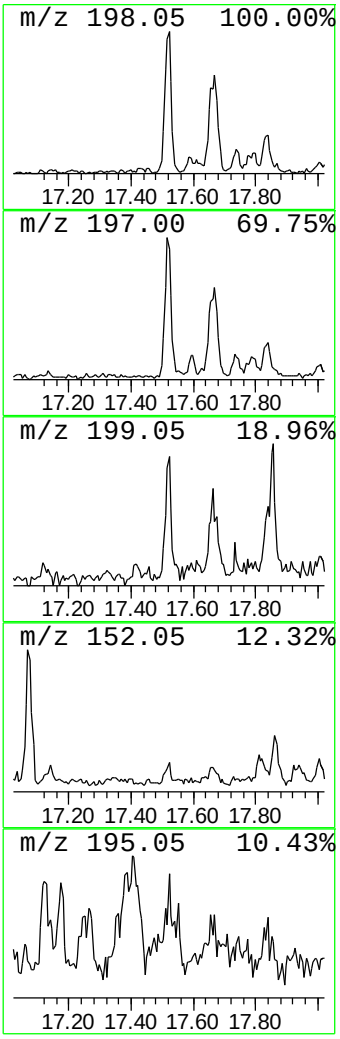
Peak Number 9 Dibenzothiophene, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.64 ng/ul	322960	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	72





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Quant Title : SVOA CALIBRATION

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

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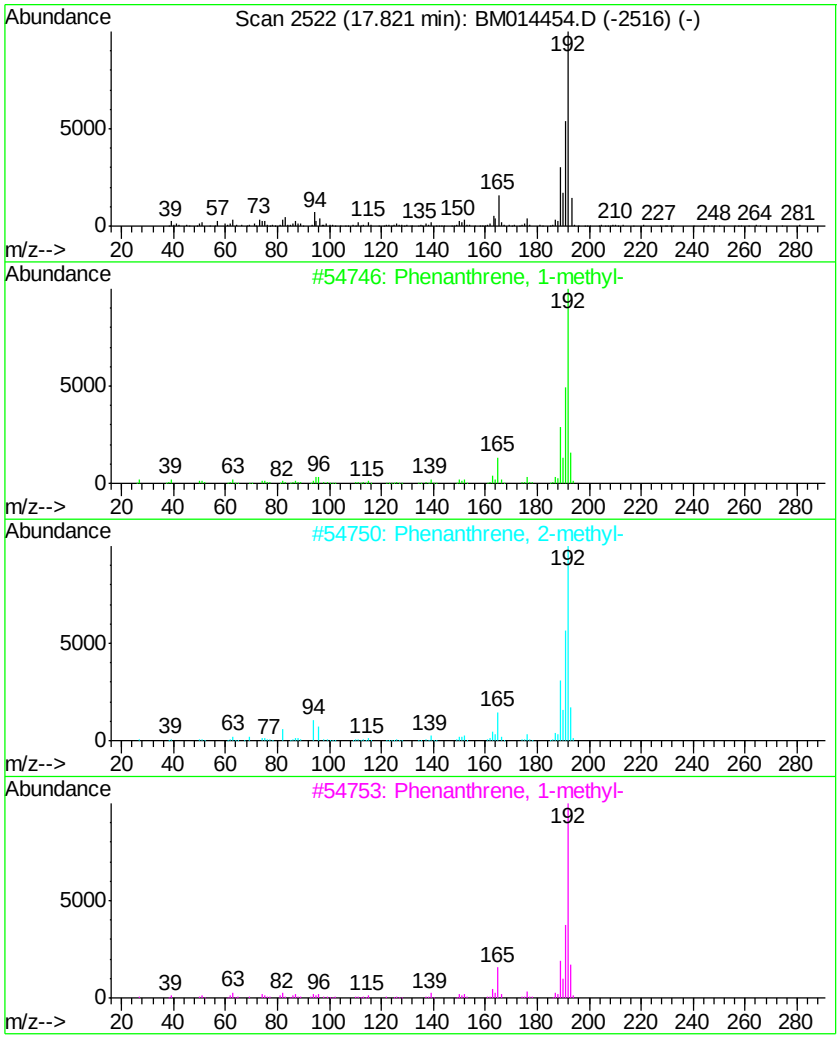
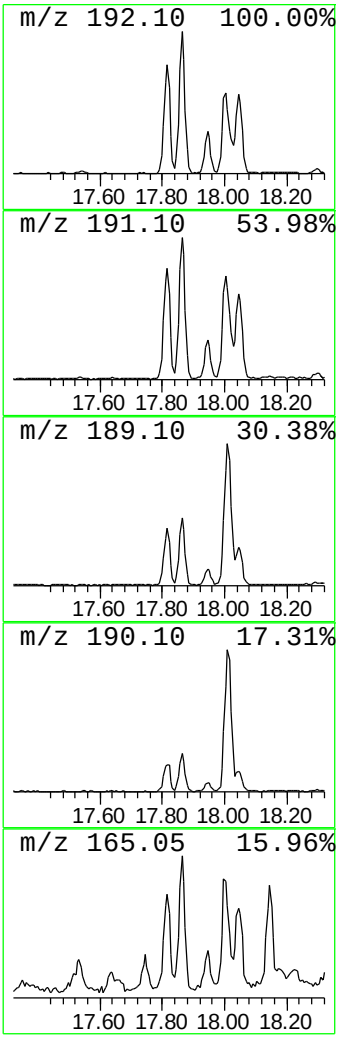
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	13.57 ng/ul	1202850	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Quant Title : SVOA CALIBRATION

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

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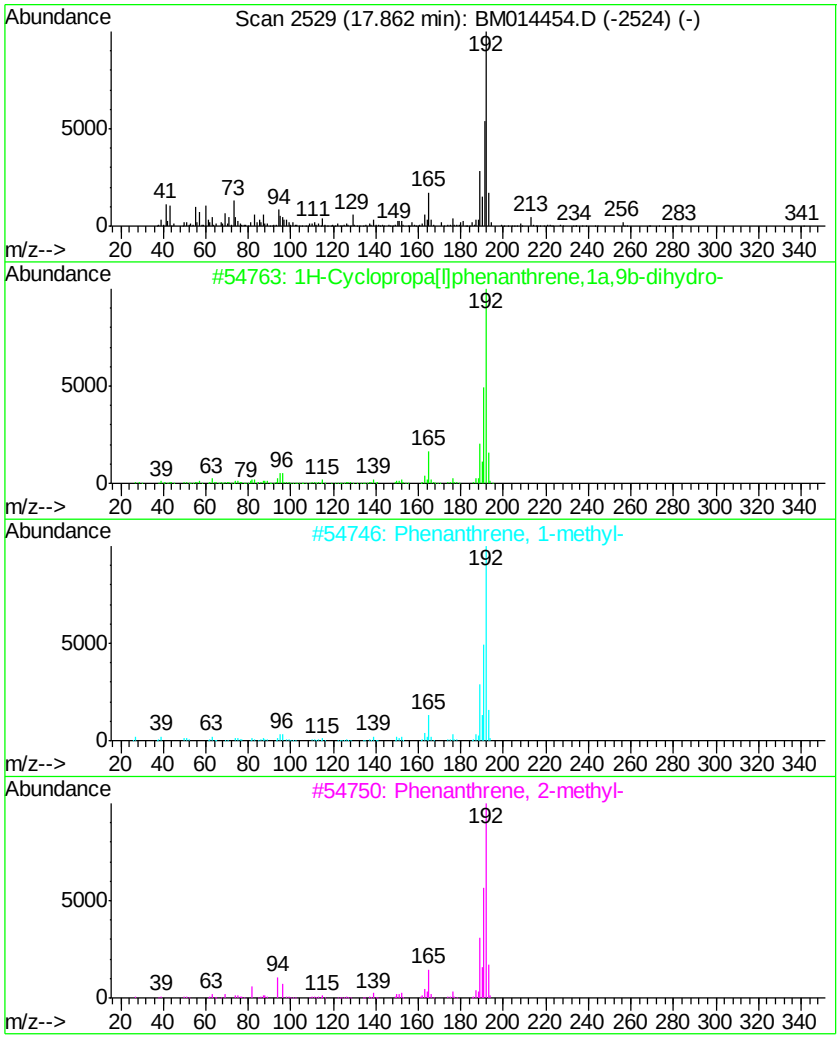
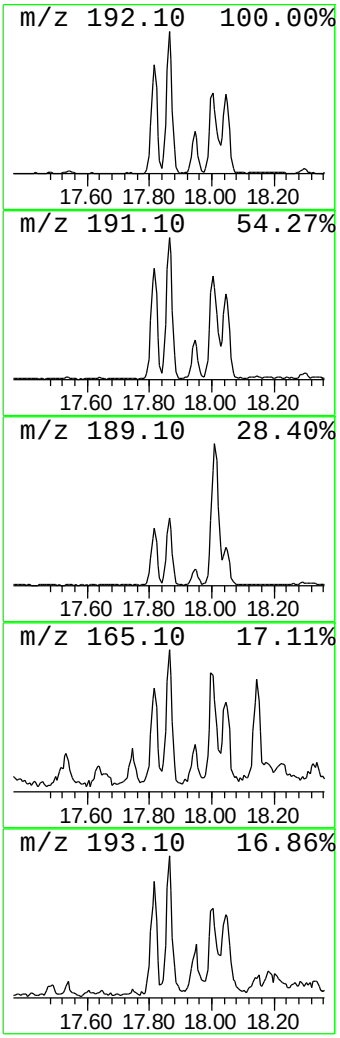
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	36.20 ng/ul	3209090	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





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

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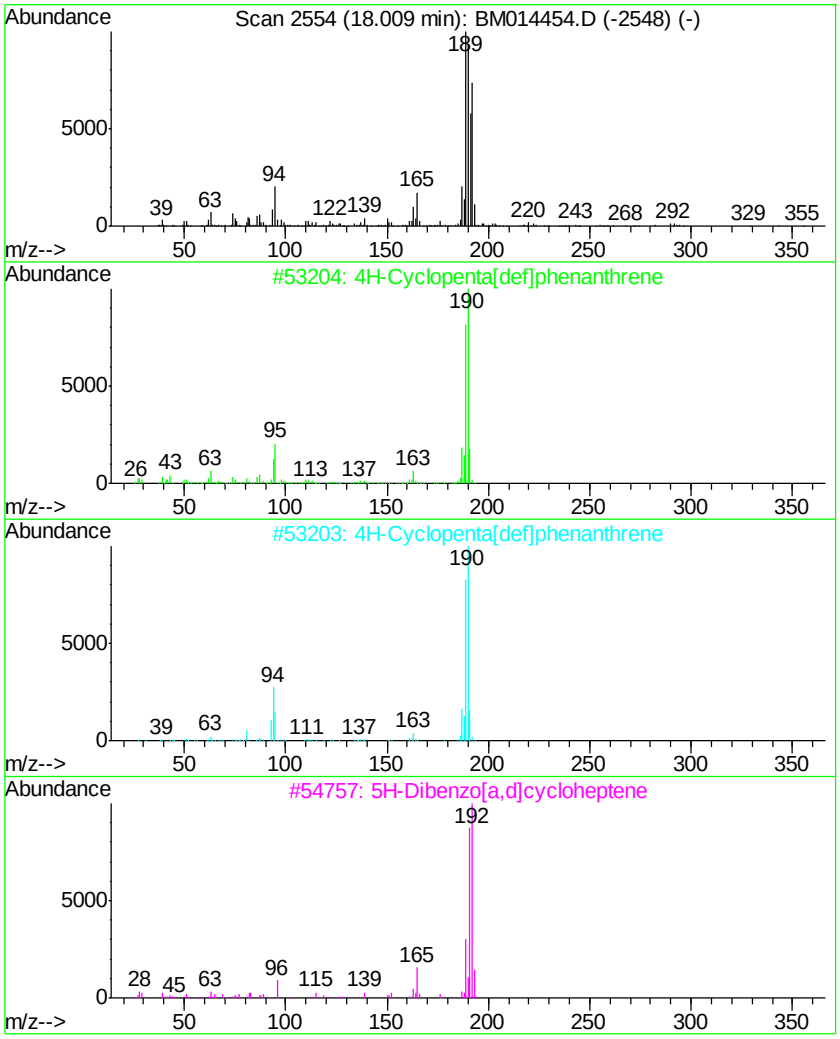
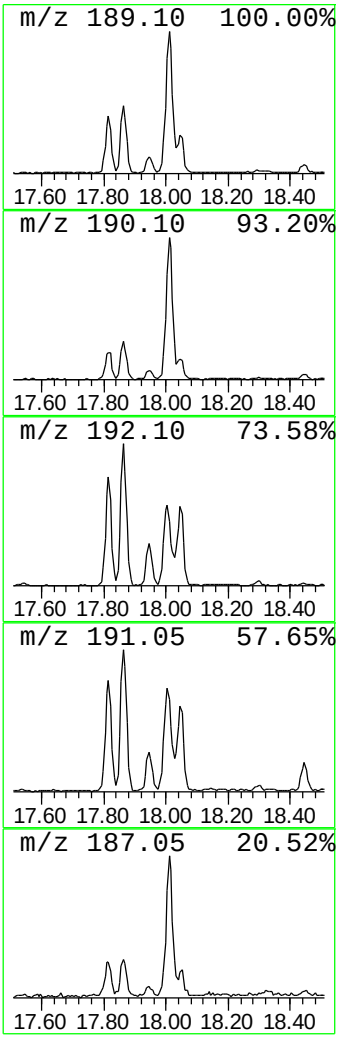
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	21.41 ng/ul	1898210	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Quant Title : SVOA CALIBRATION

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

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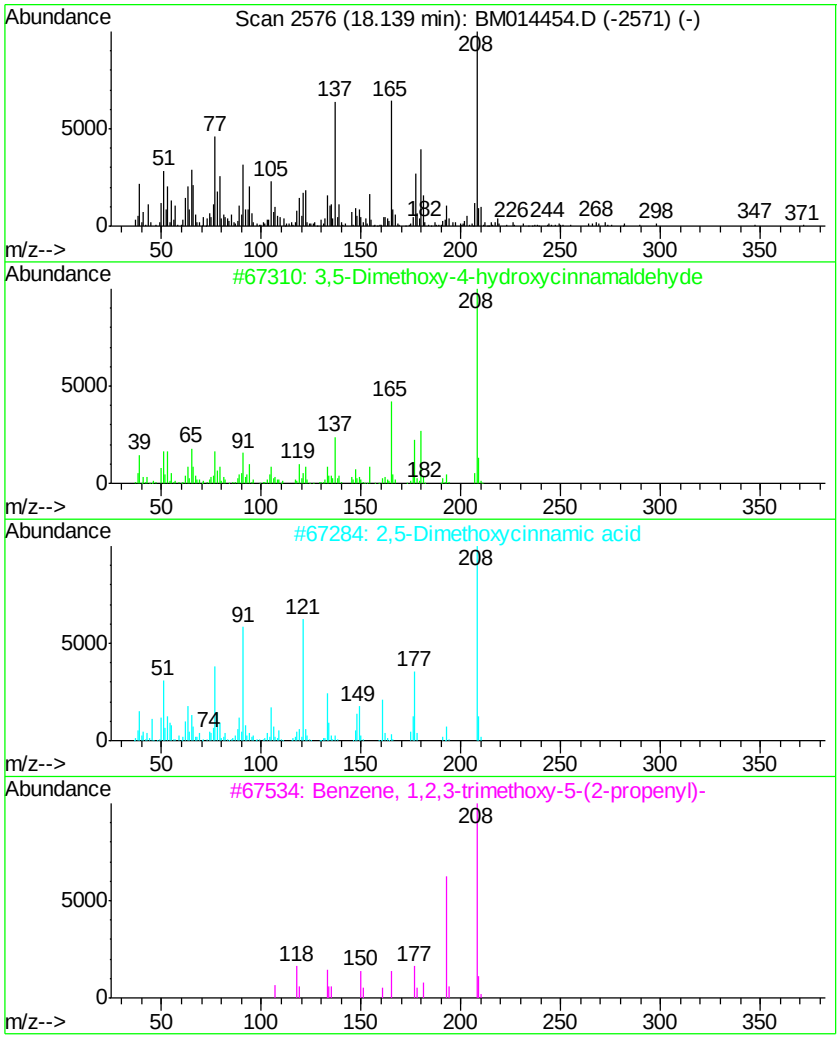
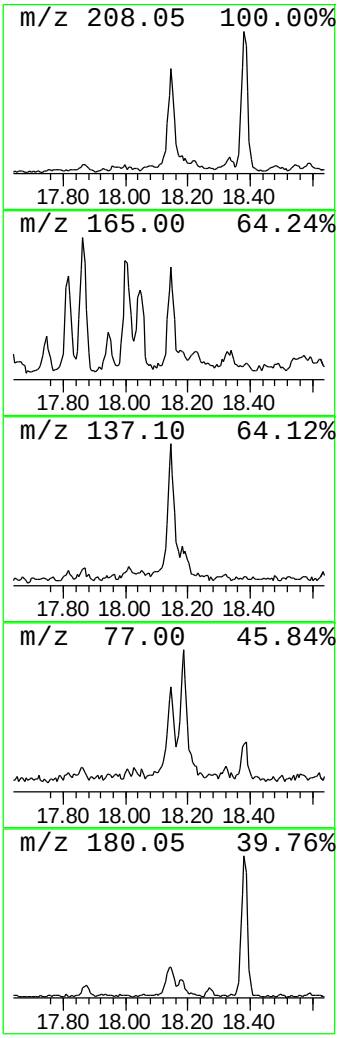
Peak Number 14 3,5-Dimethoxy-4-hydroxycinn... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	13.17 ng/ul	1167370	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxy-4-hydroxycinnamald...	208	C11H12O4	087345-53-7	91
2	2,5-Dimethoxycinnamic acid	208	C11H12O4	010538-51-9	55
3	Benzene, 1,2,3-trimethoxy-5-(2-p...	208	C12H16O3	000487-11-6	49
4	1H-1,3-Benzimidazole-6-carboxyli...	208	C9H8N2O2S	1000337-18-1	35
5	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	30





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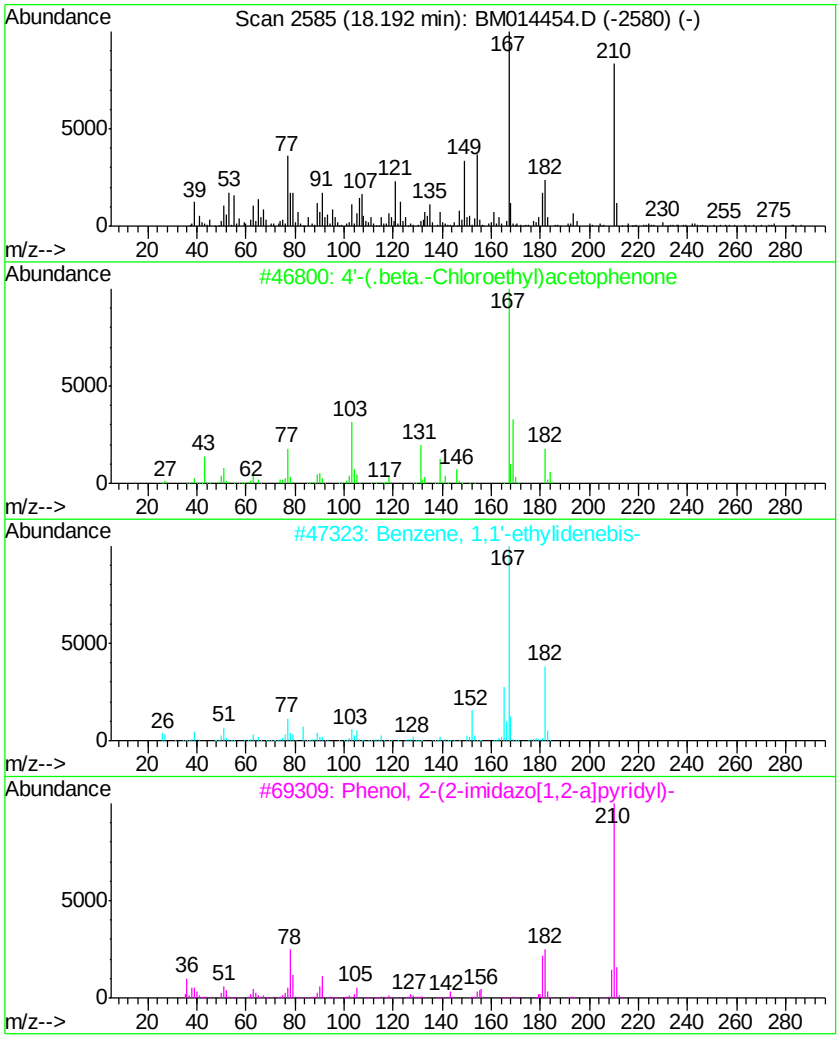
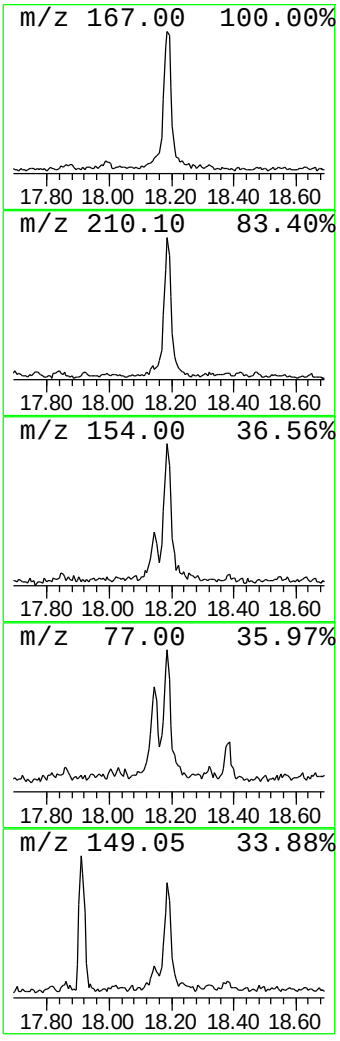
Peak Number 15 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	18.79 ng/ul	1665920	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-(.beta.-Chloroethyl)acetophenone	182	C10H11ClO	069614-95-5	42
2	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	30
3	Phenol, 2-(2-imidazo[1,2-a]pyrid...	210	C13H10N2O	057636-32-5	25
4	2H-Pyran-2,2-dicarboxylic acid, ...	256	C13H20O5	036736-31-9	25
5	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	25





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

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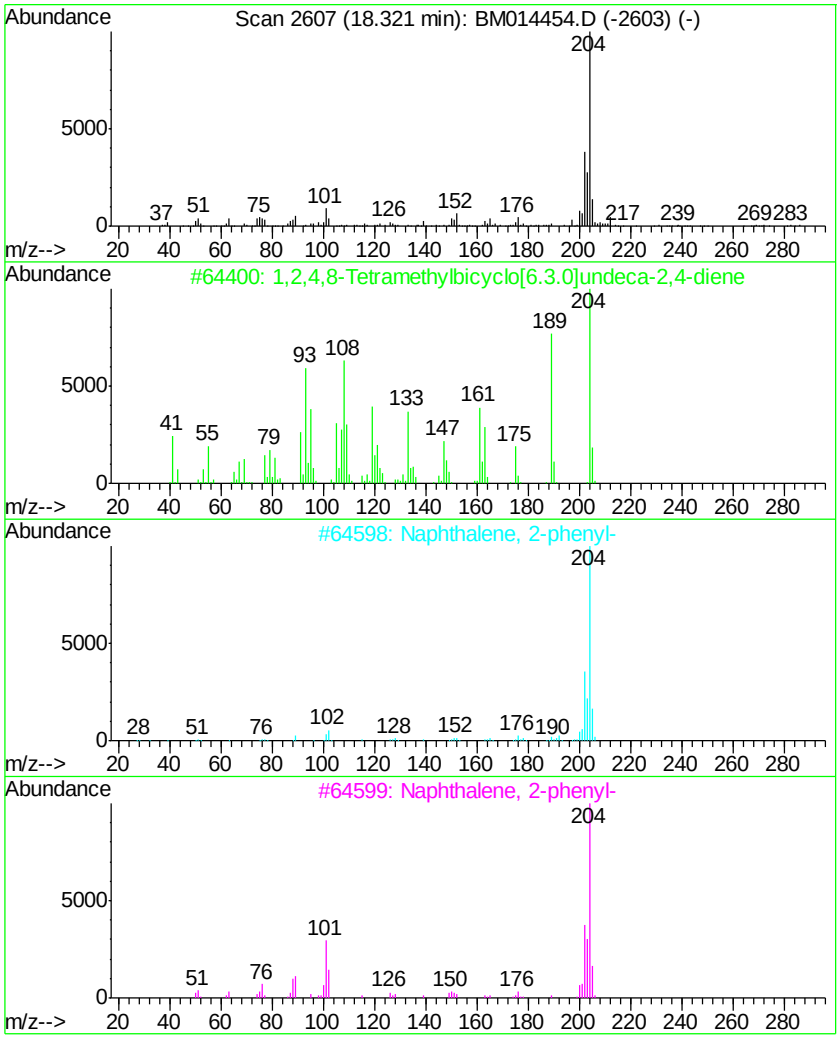
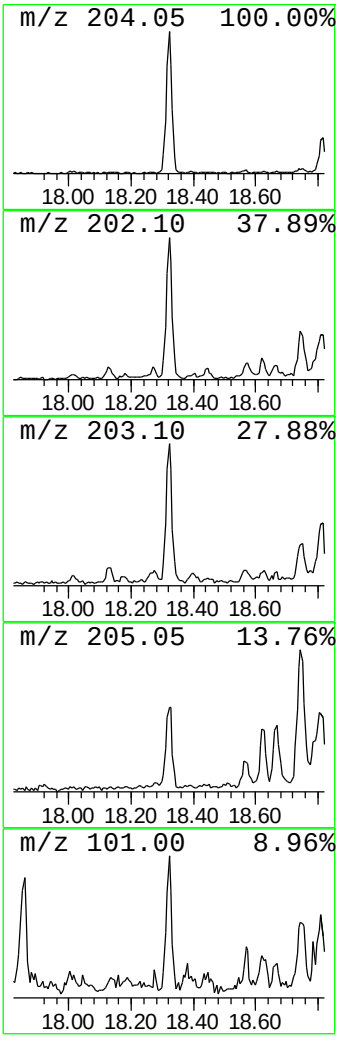
Peak Number 16 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.78 ng/ul	601434	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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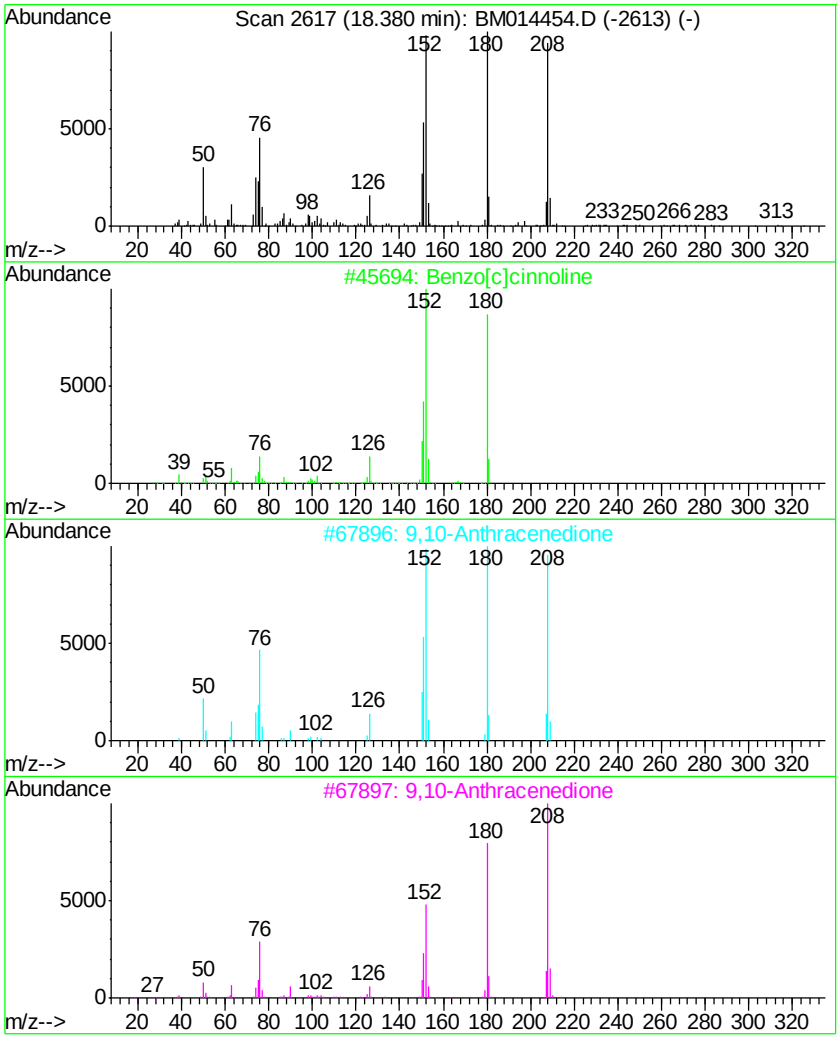
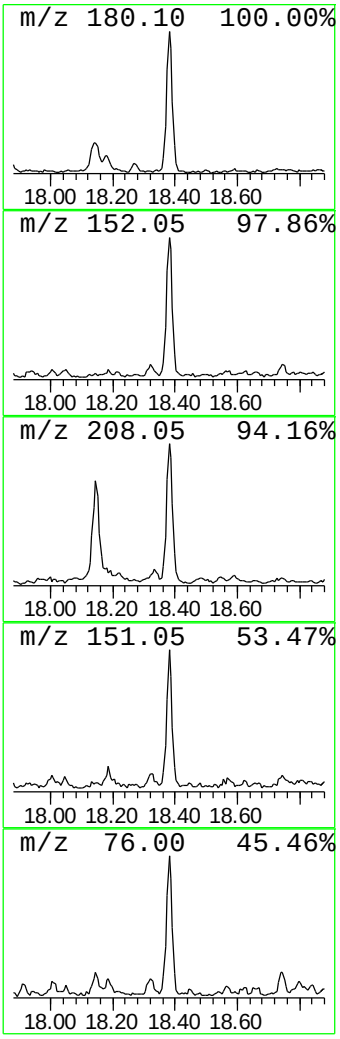
Peak Number 17 Benzo[c]cinnoline Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	12.04 ng/ul	1067390	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83





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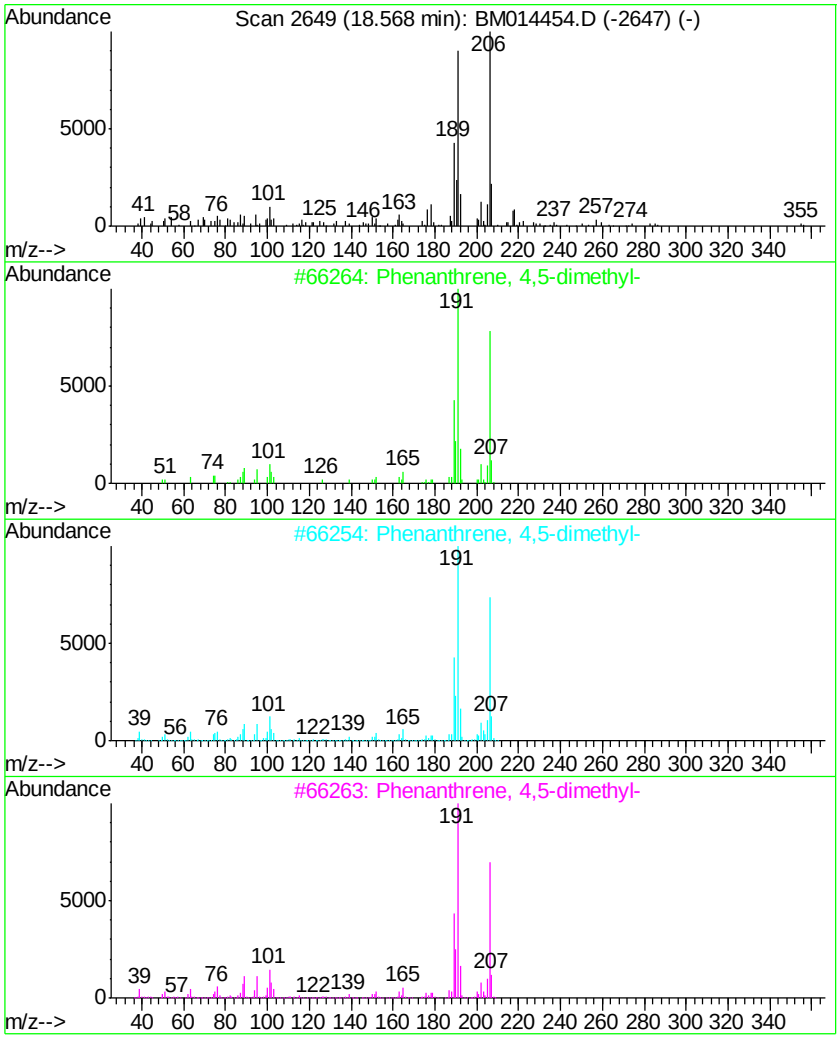
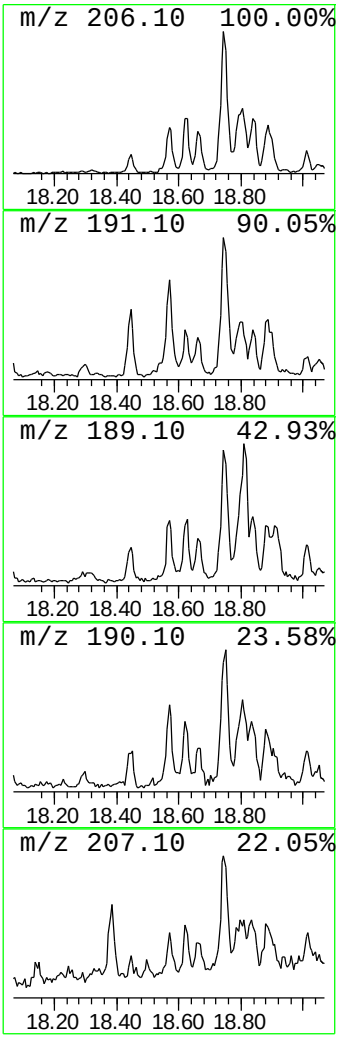
Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.67 ng/ul	237137	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : SJ/JU
Sample : J1646-07RE
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X1RE

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Quant Title : SVOA CALIBRATION

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

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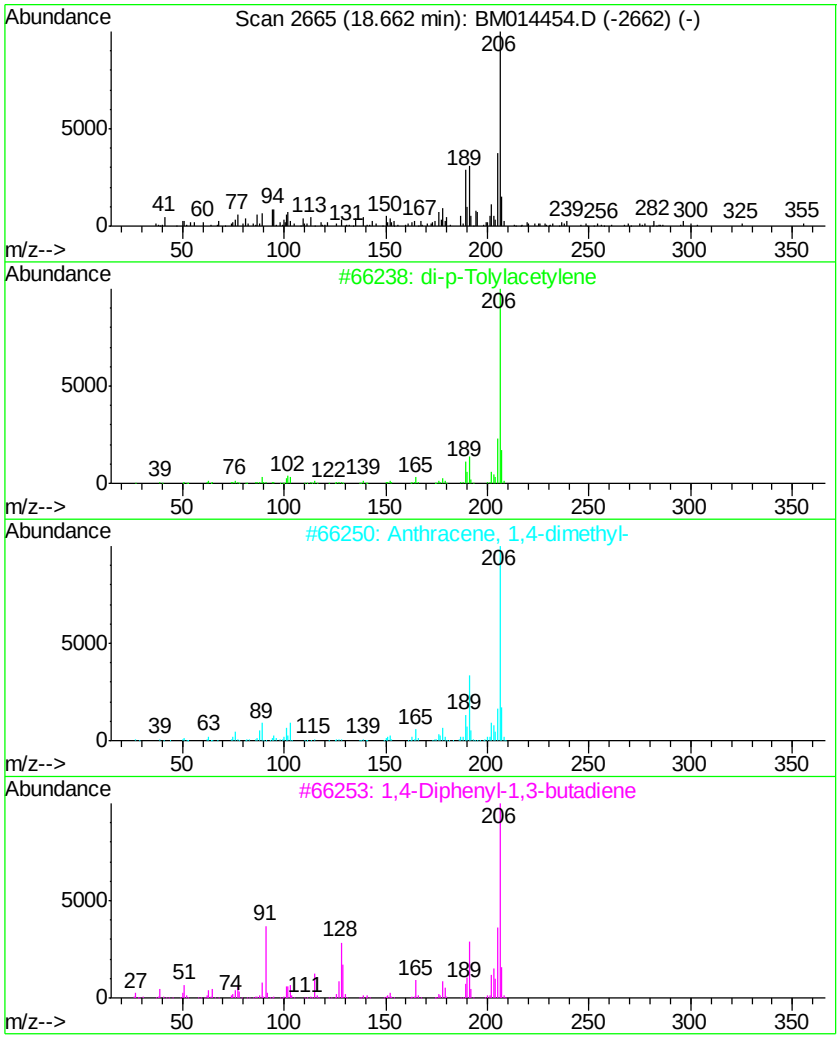
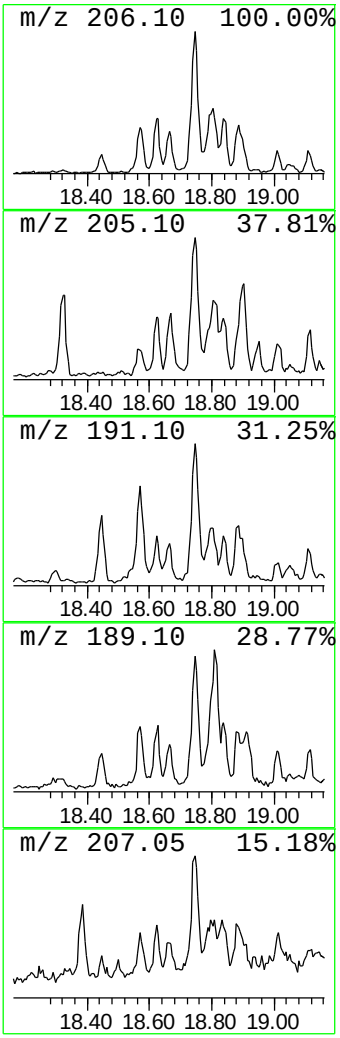
Peak Number 20 di-p-Tolylacetylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.88 ng/ul	255301	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	87
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	87
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	83





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Quant Title : SVOA CALIBRATION

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

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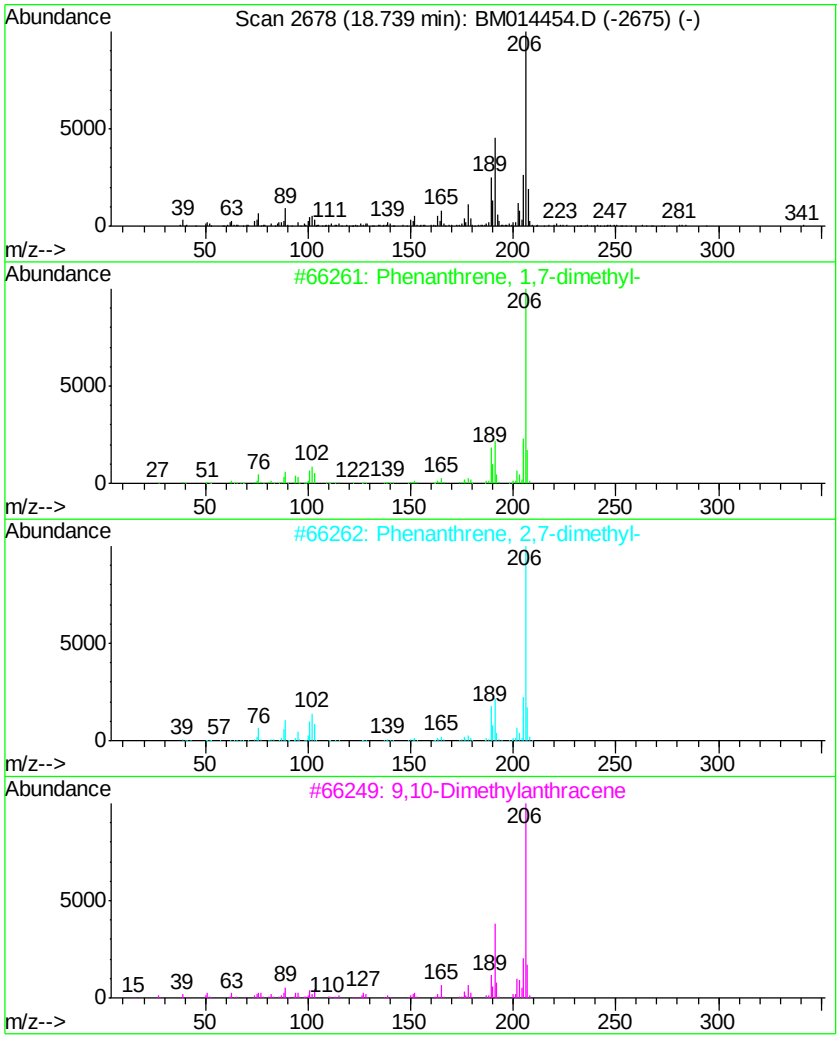
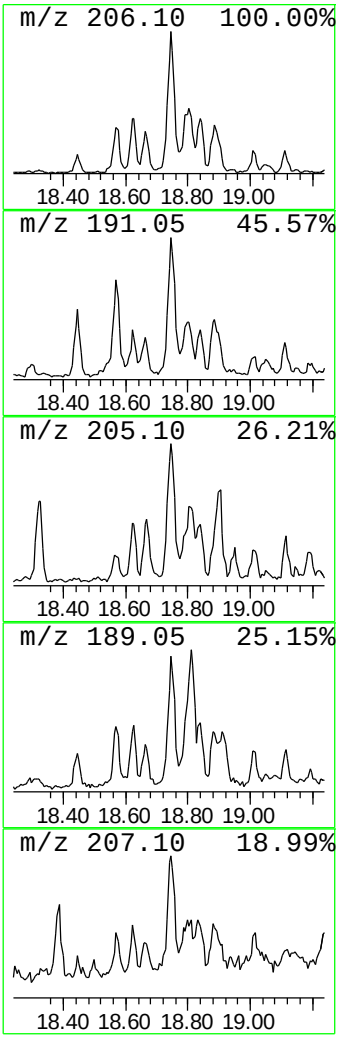
Peak Number 21 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	9.49 ng/ul	841609	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	78





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Quant Title : SVOA CALIBRATION

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

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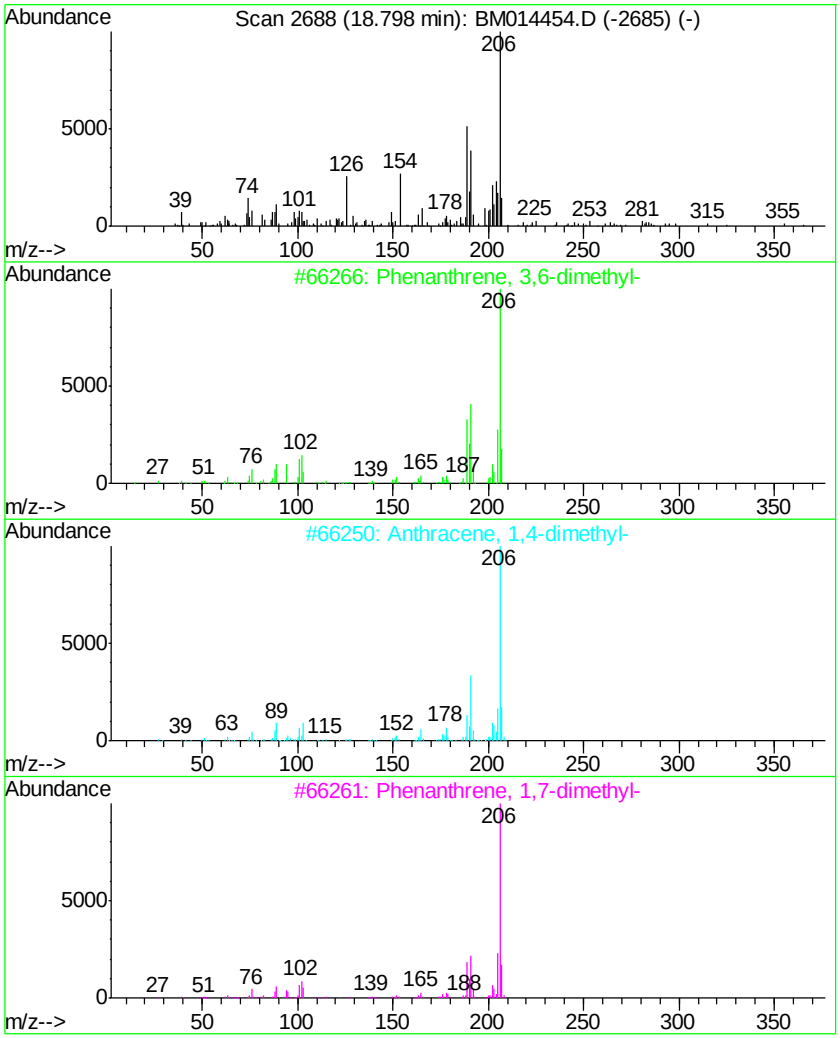
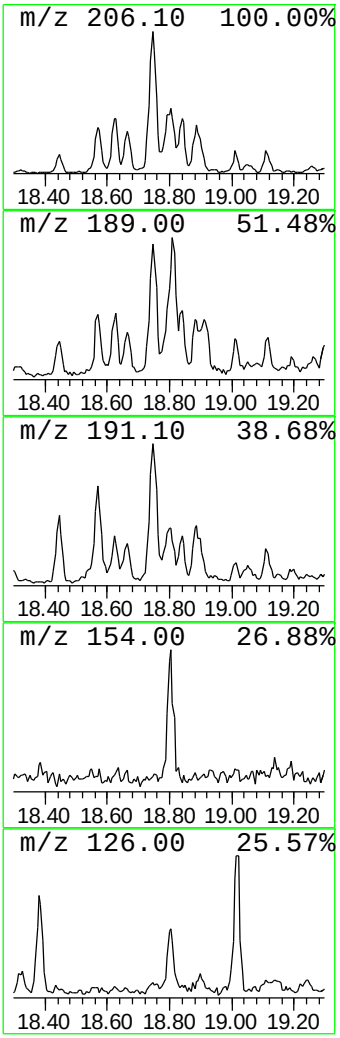
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	5.07 ng/ul	449247	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	45
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	41





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Quant Title : SVOA CALIBRATION

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

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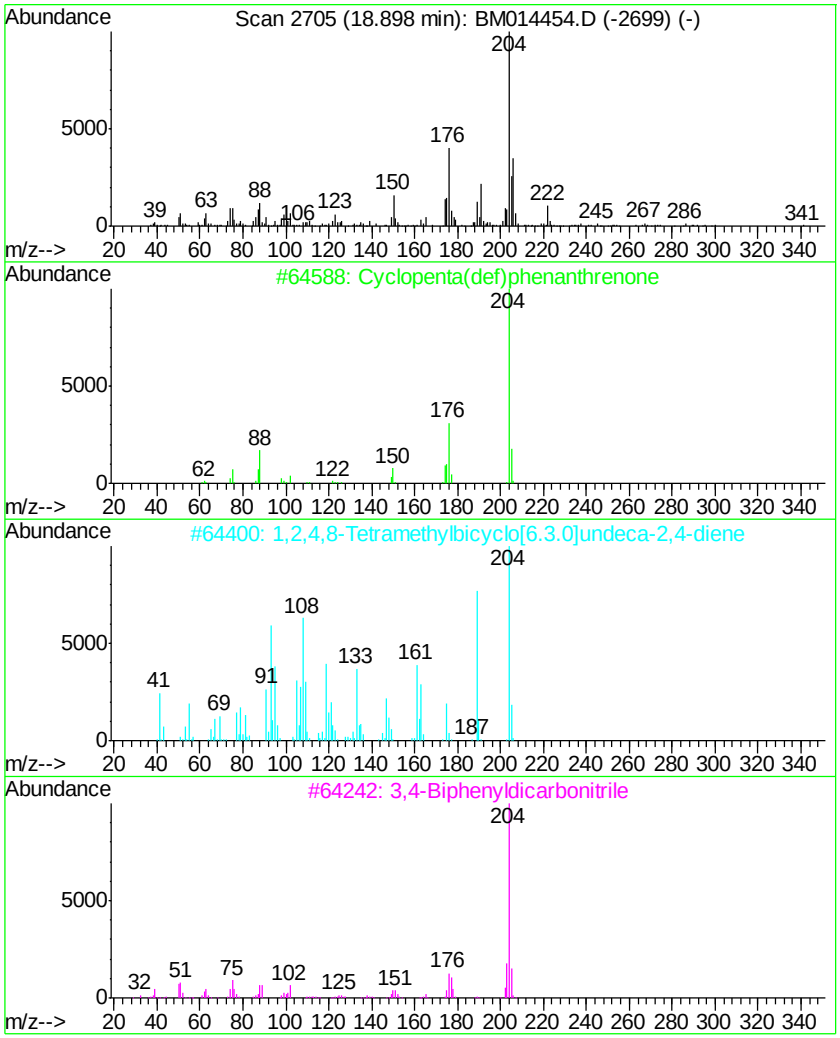
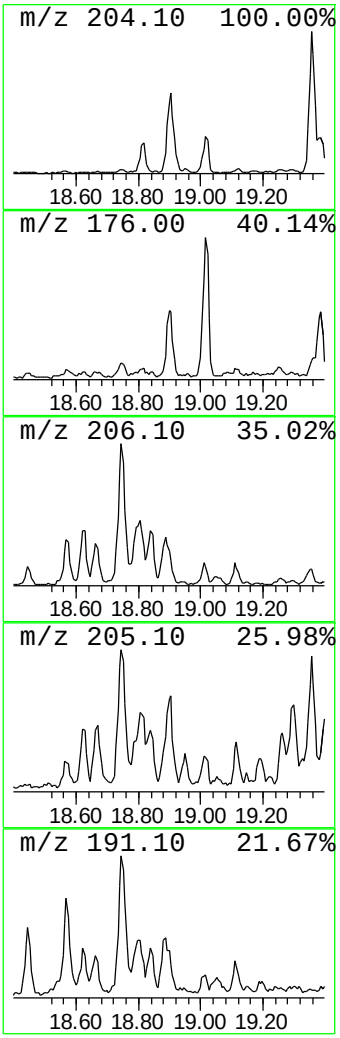
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	9.75 ng/ul	864411	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Quant Title : SVOA CALIBRATION

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

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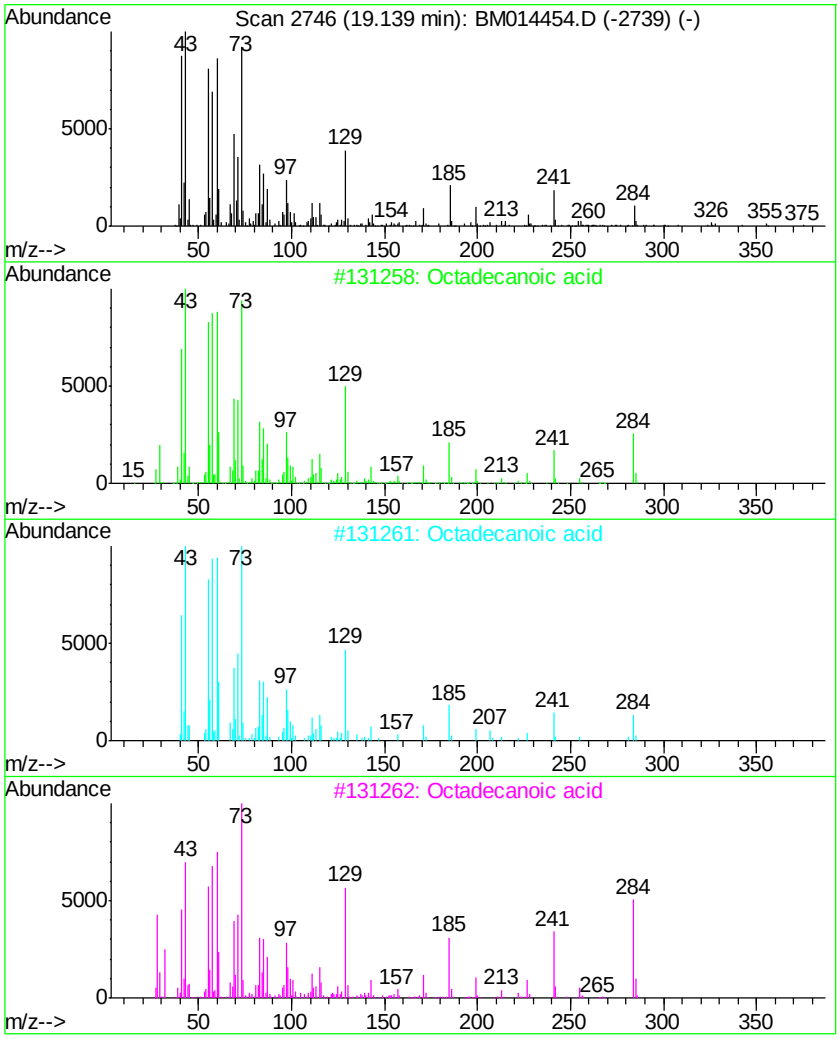
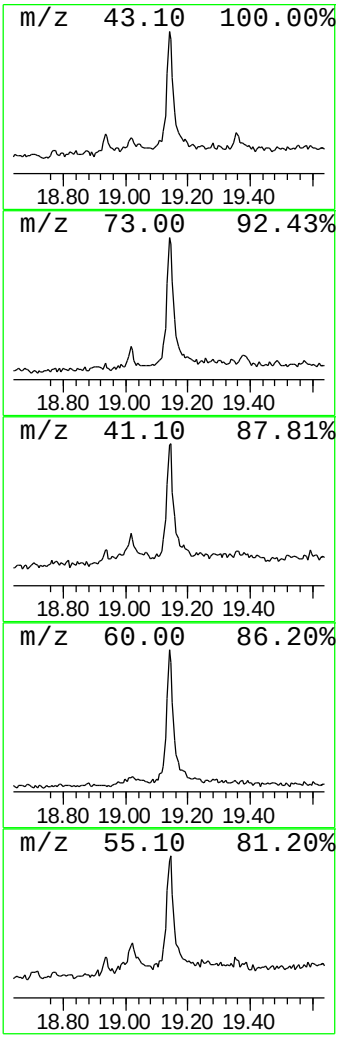
Peak Number 24 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	5.28 ng/ul	1931130	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	97
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93





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Quant Title : SVOA CALIBRATION

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

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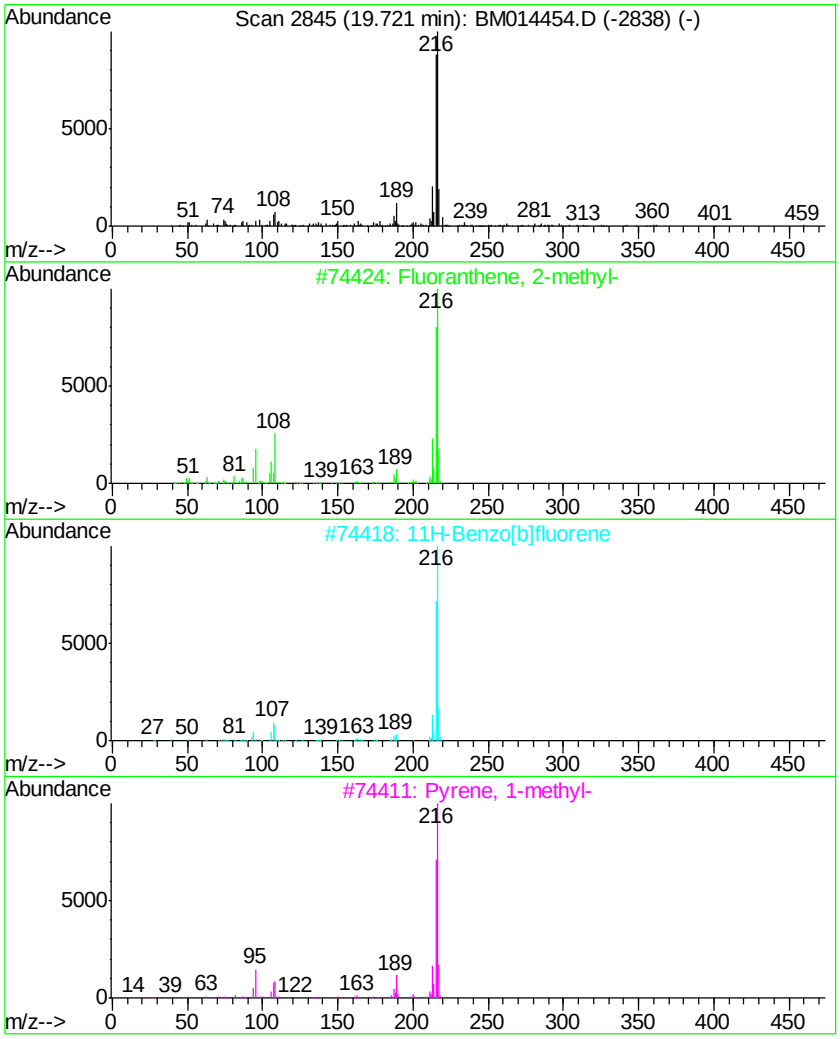
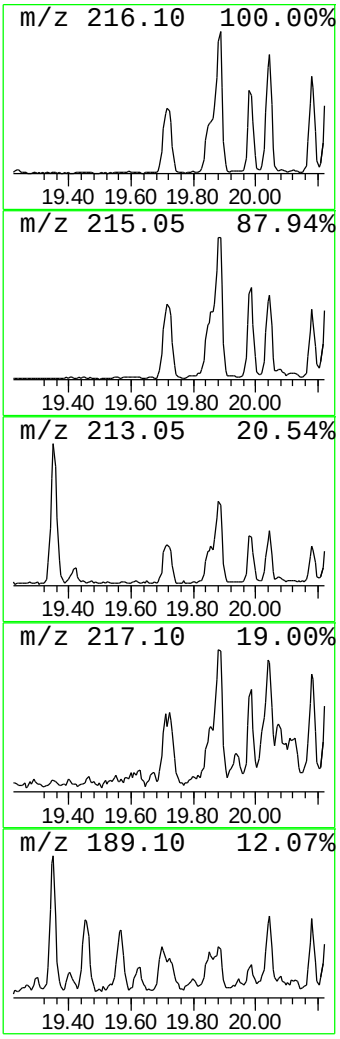
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.95 ng/ul	1080420	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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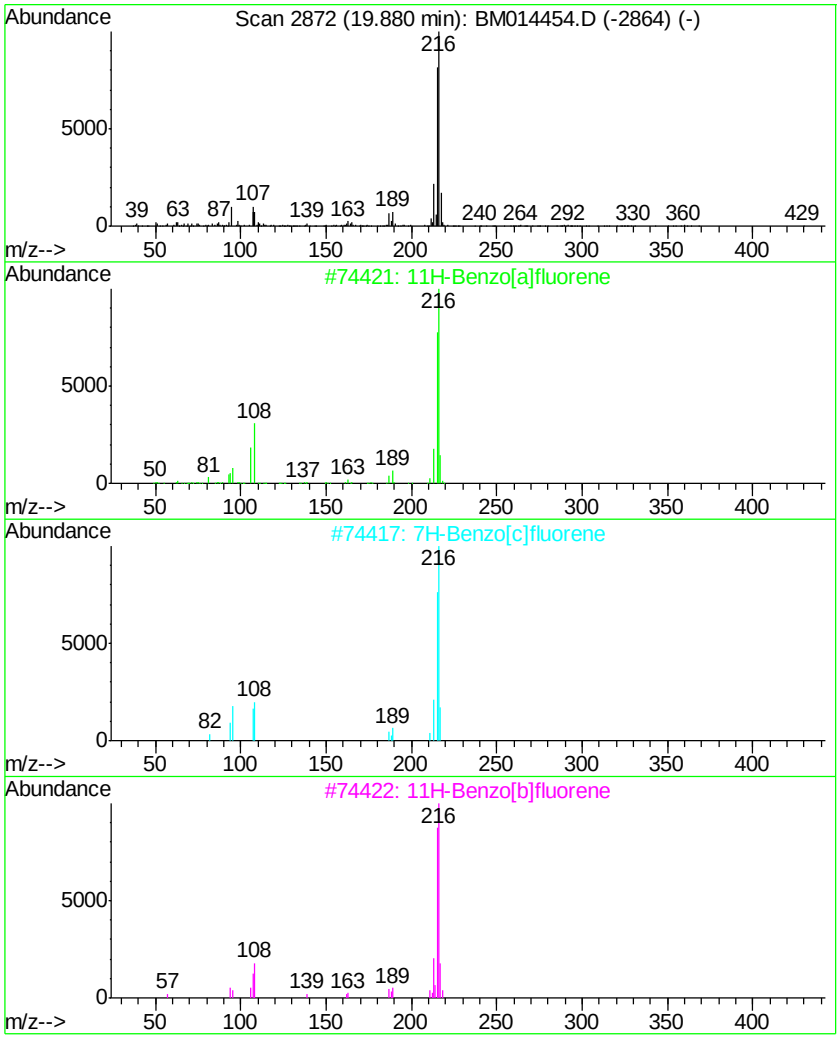
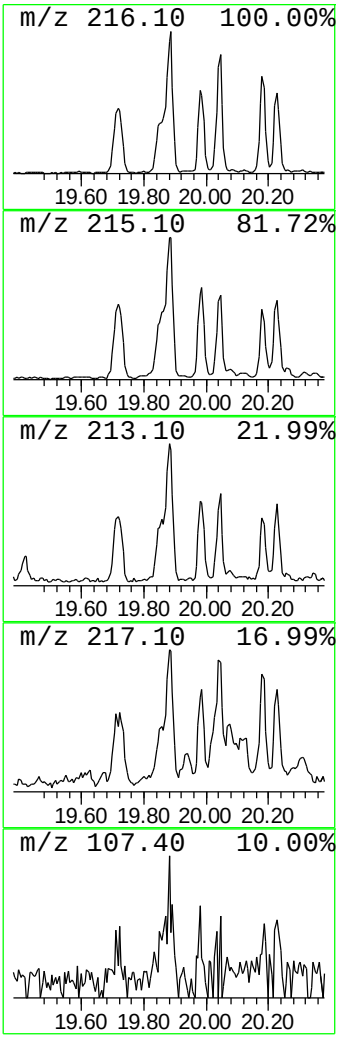
Peak Number 26 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	5.50 ng/ul	2013300	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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TIC Integration Parameters: LSCINT.P

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Peak Number 27 Pyrene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.74 ng/ul	1004500	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
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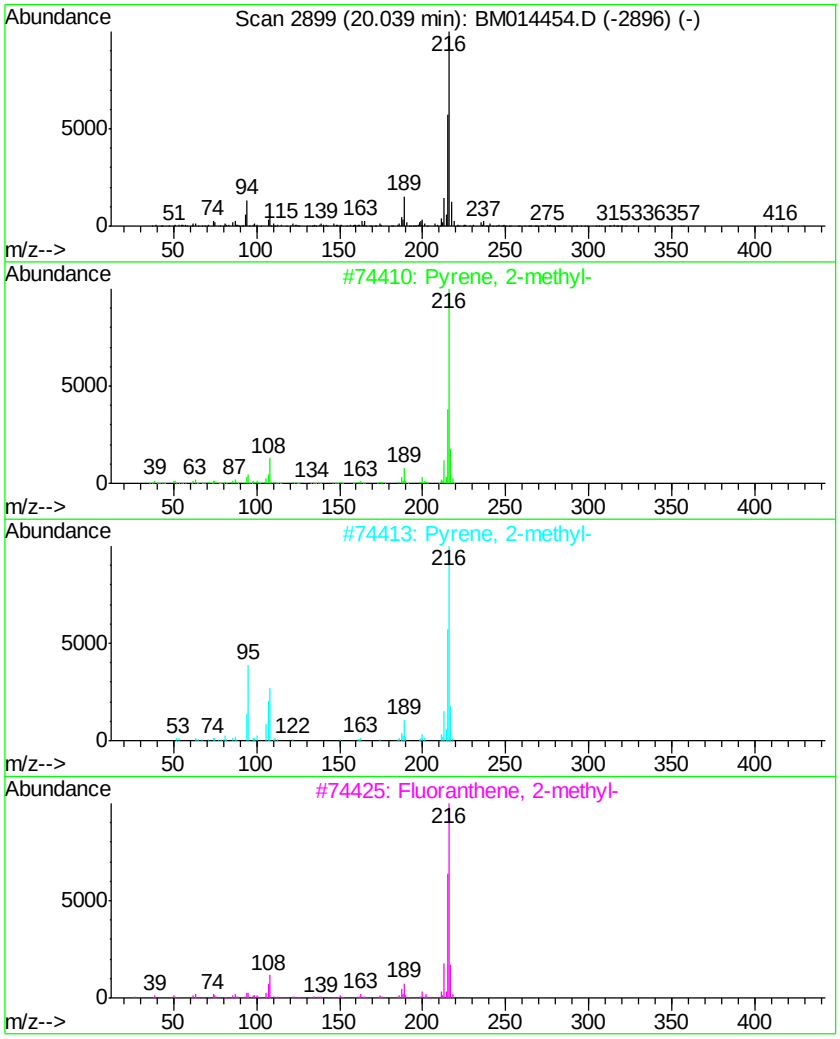

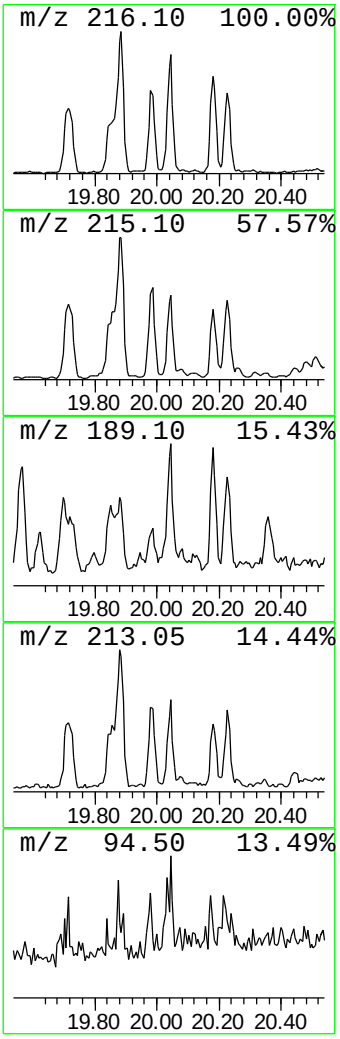

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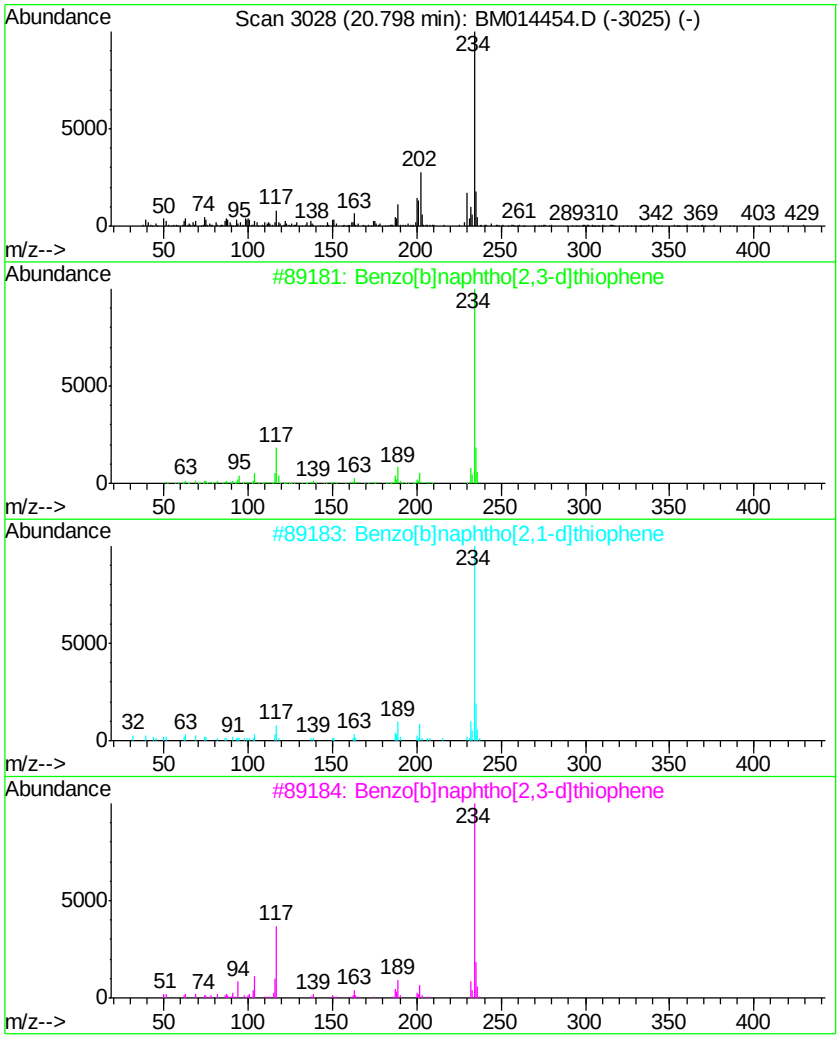
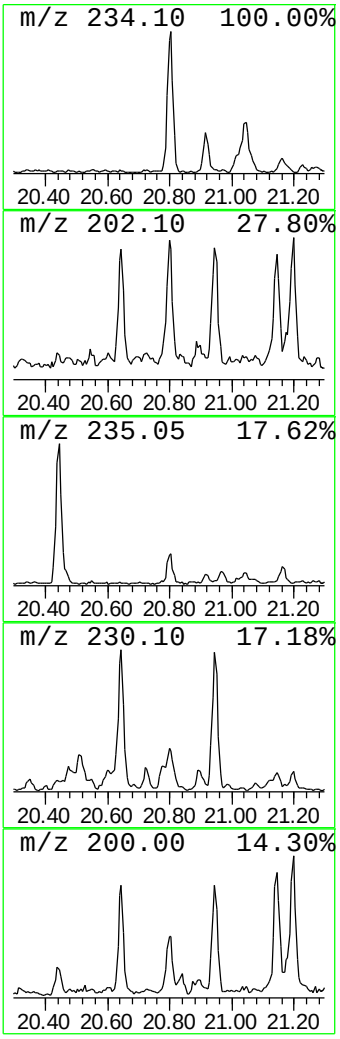
Peak Number 29 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.12 ng/ul	776191	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62





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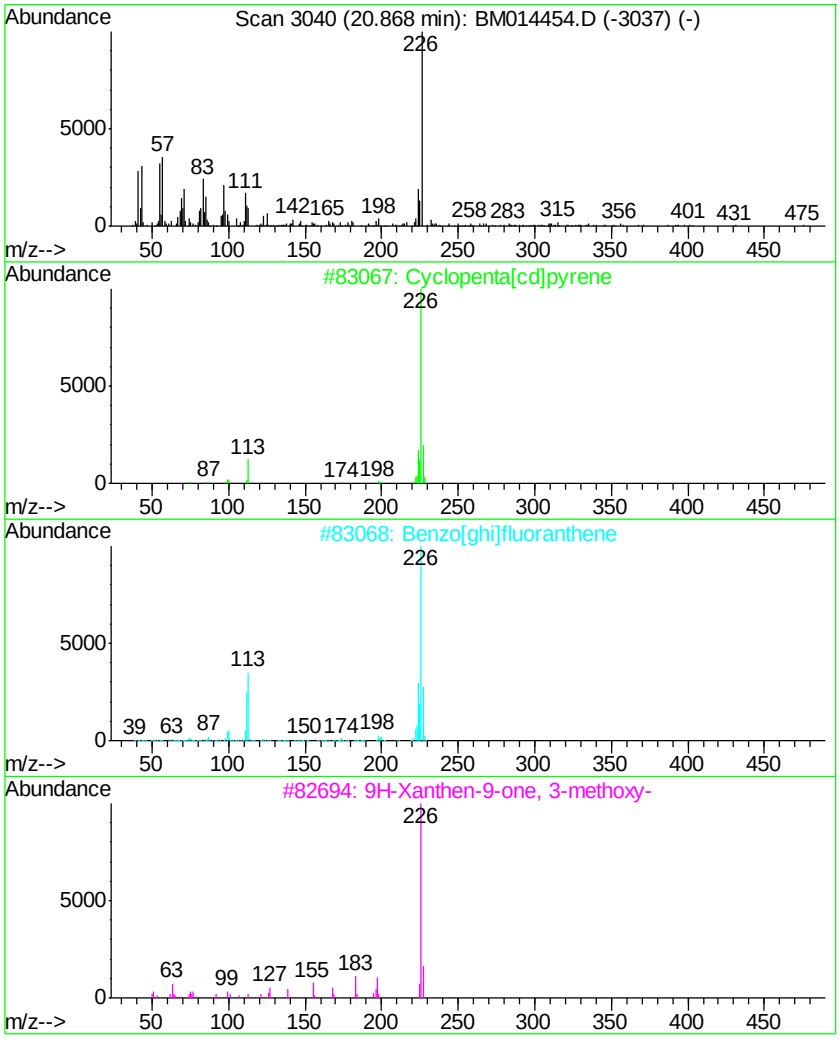
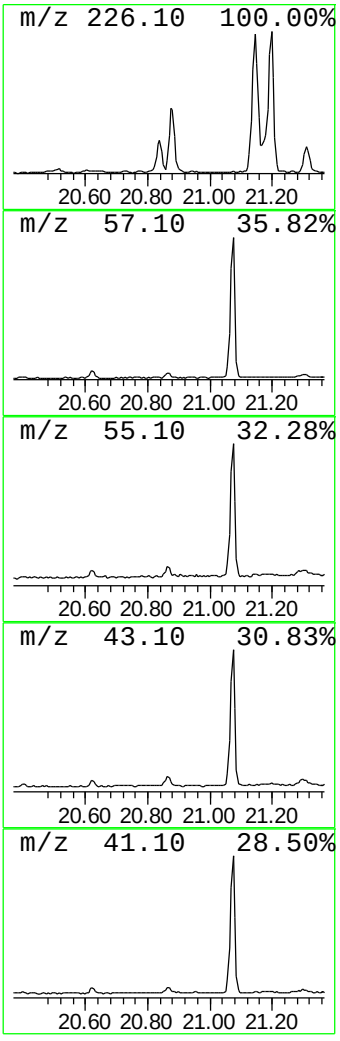
Peak Number 30 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.46 ng/ul	1266100	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	47
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	37
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37





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TIC Integration Parameters: LSCINT.P

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Peak Number 31 11H-Benzo[a]fluoren-11-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.57 ng/ul	940344	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59
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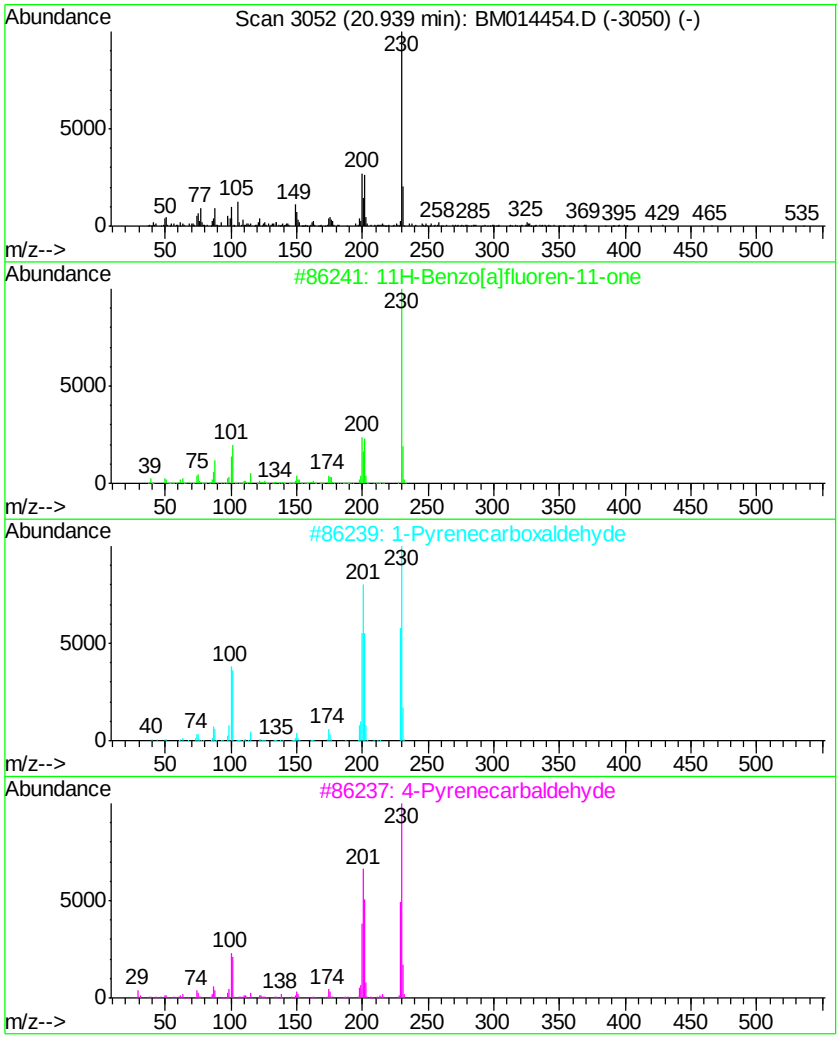

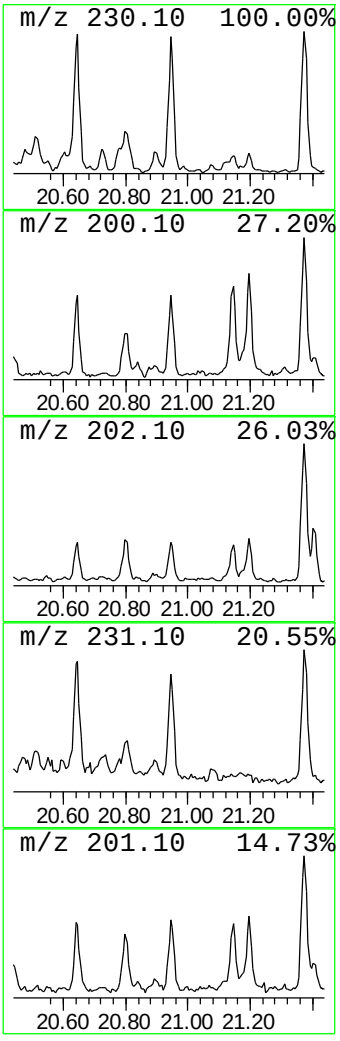

Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : J1646-07RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X1RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
Methacrylamide	3.58	4.2	ng/ul	148695	1	7.51	703858	20.0
Benzophenone	15.55	5.8	ng/ul	446687	3	14.17	1526090	20.0
Dibenzofuran, 4-m...	15.67	5.0	ng/ul	439345	4	16.94	1773020	20.0
4-((1E)-3-Hydroxy...	16.36	7.9	ng/ul	699895	4	16.94	1773020	20.0
unknown-01	16.51	4.2	ng/ul	373342	4	16.94	1773020	20.0
9H-Fluoren-9-one	16.60	3.0	ng/ul	264235	4	16.94	1773020	20.0
Anthracene, 1,2,3...	16.69	2.9	ng/ul	257671	4	16.94	1773020	20.0
Naphtho[1,2-b]thi...	16.76	3.4	ng/ul	304298	4	16.94	1773020	20.0
Dibenzothiophene,...	17.52	3.6	ng/ul	322960	4	16.94	1773020	20.0
Phenanthrene, 1-m...	17.82	13.6	ng/ul	1202850	4	16.94	1773020	20.0
1H-Cyclopropa[l]p...	17.86	36.2	ng/ul	3209090	4	16.94	1773020	20.0
4H-Cyclopenta[def...	18.01	21.4	ng/ul	1898210	4	16.94	1773020	20.0
3,5-Dimethoxy-4-h...	18.14	13.2	ng/ul	1167370	4	16.94	1773020	20.0
unknown-02	18.19	18.8	ng/ul	1665920	4	16.94	1773020	20.0
1,2,4,8-Tetrameth...	18.32	6.8	ng/ul	601434	4	16.94	1773020	20.0
Benzo[c]cinnoline	18.38	12.0	ng/ul	1067390	4	16.94	1773020	20.0
Phenanthrene, 4,5...	18.57	2.7	ng/ul	237137	4	16.94	1773020	20.0
di-p-Tolylacetylene	18.66	2.9	ng/ul	255301	4	16.94	1773020	20.0
Phenanthrene, 1,7...	18.74	9.5	ng/ul	841609	4	16.94	1773020	20.0
Phenanthrene, 3,6...	18.80	5.1	ng/ul	449247	4	16.94	1773020	20.0
Cyclopenta(def)ph...	18.90	9.8	ng/ul	864411	4	16.94	1773020	20.0
Octadecanoic acid	19.14	5.3	ng/ul	1931130	5	21.16	7320240	20.0
Fluoranthene, 2-m...	19.72	3.0	ng/ul	1080420	5	21.16	7320240	20.0
11H-Benzo[a]fluorene	19.88	5.5	ng/ul	2013300	5	21.16	7320240	20.0
Pyrene, 2-methyl-	20.04	2.7	ng/ul	1004500	5	21.16	7320240	20.0
Benzo[b]naphtho[2...	20.80	2.1	ng/ul	776191	5	21.16	7320240	20.0
unknown-03	20.87	3.5	ng/ul	1266100	5	21.16	7320240	20.0
11H-Benzo[a]fluor...	20.94	2.6	ng/ul	940344	5	21.16	7320240	20.0