LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014427.D
Acq On : 01 Mar 2018 06:56
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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	7.057	686	692	698	rBV2	86993	152039	1.15%	0.125%
2	7.510	763	769	784	rBV	648309	1122683	8.48%	0.923%
3	8.251	889	895	902	rBV5	71729	166137	1.26%	0.137%
4	8.681	960	968	981	rBV2	77413	171576	1.30%	0.141%
5	9.392	1084	1089	1097	rBV4	64519	135862	1.03%	0.112%
6	9.951	1177	1184	1195	rBV4	78467	199843	1.51%	0.164%
7	10.286	1233	1241	1245	rBV	985379	1689139	12.76%	1.389%
8	10.333	1245	1249	1256	rVB	253251	423635	3.20%	0.348%
9	11.963	1518	1526	1533	rBV	166695	277209	2.09%	0.228%
10	12.180	1555	1563	1570	rBV2	147808	275816	2.08%	0.227%
11	13.333	1753	1759	1767	rBV4	86181	227126	1.72%	0.187%
12	13.492	1779	1786	1791	rBV	175922	339372	2.56%	0.279%
13	13.545	1791	1795	1800	rVV2	99529	157108	1.19%	0.129%
14	13.598	1800	1804	1808	rVV	212741	269617	2.04%	0.222%
15	13.727	1821	1826	1829	rBV	94490	141017	1.07%	0.116%
16	13.863	1843	1849	1852	rBV	280583	447323	3.38%	0.368%
17	13.892	1852	1854	1861	rVB	216515	300107	2.27%	0.247%
18	14.174	1893	1902	1908	rBV2	1465429	2325052	17.57%	1.912%
19	14.239	1908	1913	1921	rVB	511277	780722	5.90%	0.642%
20	14.398	1933	1940	1946	rVB4	61466	153730	1.16%	0.126%
21	14.486	1948	1955	1960	rBV3	96932	202775	1.53%	0.167%
22	14.580	1965	1971	1977	rVV	394477	639652	4.83%	0.526%
23	14.657	1980	1984	1988	rVB2	92100	135724	1.03%	0.112%
24	14.798	2003	2008	2013	rBV2	92898	160090	1.21%	0.132%
25	14.974	2031	2038	2041	rBV3	74275	153464	1.16%	0.126%
26	15.180	2067	2073	2077	rBV	300131	419423	3.17%	0.345%
27	15.233	2077	2082	2087	rVB	617233	858730	6.49%	0.706%
28	15.398	2106	2110	2114	rVB4	113884	159434	1.20%	0.131%
29	15.533	2128	2133	2140	rVB	190187	353408	2.67%	0.291%
30	15.680	2150	2158	2165	rVV2	170788	377850	2.85%	0.311%
31	15.768	2167	2173	2181	rVB5	67540	161542	1.22%	0.133%
32	15.915	2192	2198	2210	rVB5	126081	308476	2.33%	0.254%
33	16.239	2246	2253	2258	rBV3	168191	361024	2.73%	0.297%
34	16.292	2258	2262	2267	rVB2	145164	205051	1.55%	0.169%

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Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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	16.392	2276	2279	2284	rVB4	91106	142083	1.07%	0.117%
36	16.509	2296	2299	2303	rVB2	127028	155151	1.17%	0.128%
37	16.604	2310	2315	2321	rVB	359562	534871	4.04%	0.440%
38	16.680	2322	2328	2334	rVV5	180773	429169	3.24%	0.353%
39	16.757	2336	2341	2349	rVB	402184	637304	4.82%	0.524%
40	16.939	2366	2372	2375	rBV	1772761	2656025	20.07%	2.185%
41	16.986	2375	2380	2385	rVV	7745256	10714631	80.96%	8.813%
42	17.039	2385	2389	2391	rVV2	450391	665561	5.03%	0.547%
43	17.068	2391	2394	2400	rVV	1441535	1987483	15.02%	1.635%
44	17.139	2400	2406	2410	rVV2	161009	285504	2.16%	0.235%
45	17.356	2434	2443	2450	rBV2	633552	1207178	9.12%	0.993%
46	17.456	2457	2460	2464	rBV2	146802	181308	1.37%	0.149%
47	17.521	2467	2471	2480	rVB4	244061	509434	3.85%	0.419%
48	17.656	2491	2494	2500	rVB2	148312	249096	1.88%	0.205%
49	17.739	2504	2508	2513	rBV2	115773	167278	1.26%	0.138%
50	17.815	2515	2521	2525	rVV	1116403	1646527	12.44%	1.354%
51	17.862	2525	2529	2535	rVB	1566085	2157238	16.30%	1.774%
52	17.945	2536	2543	2548	rBV	497727	757671	5.72%	0.623%
53	18.003	2548	2553	2558	rBV2	1473846	2732776	20.65%	2.248%
54	18.045	2558	2560	2569	rVB	840474	1038461	7.85%	0.854%
55	18.127	2570	2574	2577	rBV3	147671	219502	1.66%	0.181%
56	18.215	2585	2589	2594	rBV6	144350	187903	1.42%	0.155%
57	18.321	2602	2607	2612	rBV	682712	922283	6.97%	0.759%
58	18.380	2612	2617	2624	rVB	733420	1055796	7.98%	0.868%
59	18.445	2624	2628	2632	rBV	115076	167845	1.27%	0.138%
60	18.568	2646	2649	2654	rVB	261548	332638	2.51%	0.274%
61	18.621	2654	2658	2661	rVV	273204	332415	2.51%	0.273%
62	18.662	2661	2665	2669	rVB2	239418	314520	2.38%	0.259%
63	18.745	2674	2679	2683	rBV	730673	1152466	8.71%	0.948%
64	18.803	2684	2689	2693	rVV3	370880	779120	5.89%	0.641%
65	18.839	2693	2695	2698	rVB	236206	218137	1.65%	0.179%
66	18.898	2698	2705	2710	rBV3	554345	1081755	8.17%	0.890%
67	19.015	2718	2725	2730	rBV	10044540	13235286	100.00%	10.886%
68	19.080	2732	2736	2738	rVV	191322	219157	1.66%	0.180%
69	19.115	2738	2742	2747	rVB2	252364	369355	2.79%	0.304%
70	19.233	2759	2762	2763	rBV	160948	190957	1.44%	0.157%
71	19.350	2777	2782	2783	rBV	1837532	2264730	17.11%	1.863%

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5W0

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

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Peak separation: 5

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

72	19.380	2783	2787	2795	rVB	8530273	12048330	91.03%	9.910%
73	19.450	2795	2799	2804	rBV2	488321	726137	5.49%	0.597%
74	19.562	2814	2818	2824	rVB	386292	511086	3.86%	0.420%
75	19.627	2825	2829	2834	rVB2	417777	653902	4.94%	0.538%
76	19.709	2837	2843	2849	rBV3	605433	1519826	11.48%	1.250%
77	19.845	2861	2866	2868	rBV3	543386	947630	7.16%	0.779%
78	19.880	2869	2872	2877	rVB	1082855	1345738	10.17%	1.107%
79	19.980	2885	2889	2892	rBV	643382	776921	5.87%	0.639%
80	20.039	2894	2899	2903	rVB2	843418	1296705	9.80%	1.067%
81	20.180	2919	2923	2926	rBV	511979	666919	5.04%	0.549%
82	20.221	2926	2930	2935	rVB	639047	901883	6.81%	0.742%
83	20.503	2976	2978	2982	rVB2	210993	269119	2.03%	0.221%
84	20.639	2997	3001	3005	rBV	943517	1194539	9.03%	0.983%
85	20.797	3024	3028	3031	rBV2	769860	996109	7.53%	0.819%
86	20.833	3031	3034	3037	rVV	686593	775017	5.86%	0.637%
87	20.874	3038	3041	3048	rVV3	487601	1042710	7.88%	0.858%
88	20.939	3049	3052	3057	rVB	964400	1176053	8.89%	0.967%
89	21.144	3082	3087	3092	rBV2	4706164	9133137	69.01%	7.512%
90	21.192	3092	3095	3105	rVB	4220325	5379385	40.64%	4.425%
91	21.303	3111	3114	3118	rBV	452293	566987	4.28%	0.466%
92	21.697	3178	3181	3185	rVB	855517	947935	7.16%	0.780%
93	22.691	3344	3350	3354	rBV	2405951	5098010	38.52%	4.193%
94	23.144	3422	3427	3432	rBV	1257349	2209636	16.70%	1.817%
95	23.244	3438	3444	3452	rVB	2025946	3541497	26.76%	2.913%
96	23.333	3454	3459	3463	rBV	971811	1704322	12.88%	1.402%

Sum of corrected areas: 121579903

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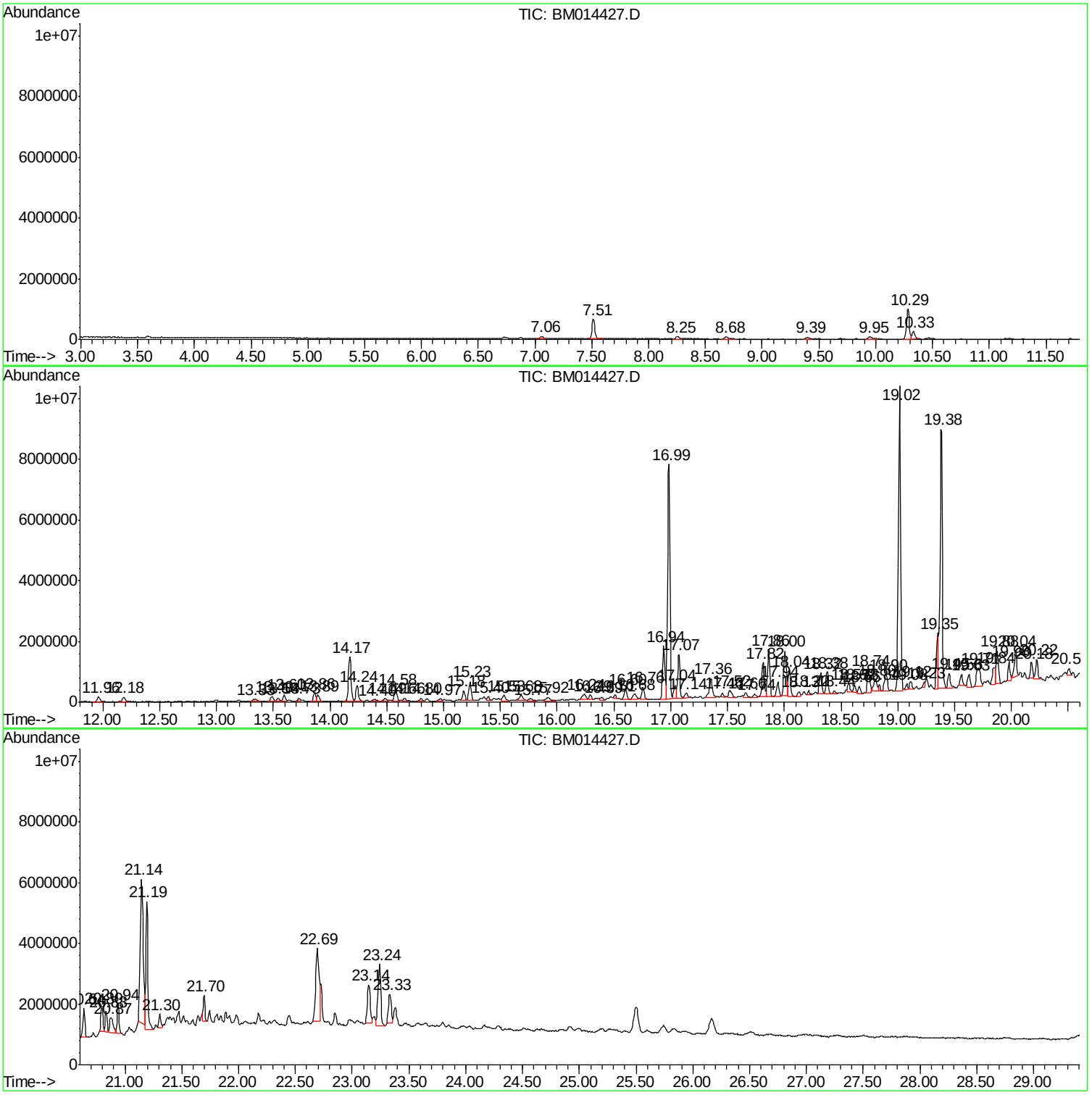
Instrument :
BNA_M
ClientSampleId :
BE5W0

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

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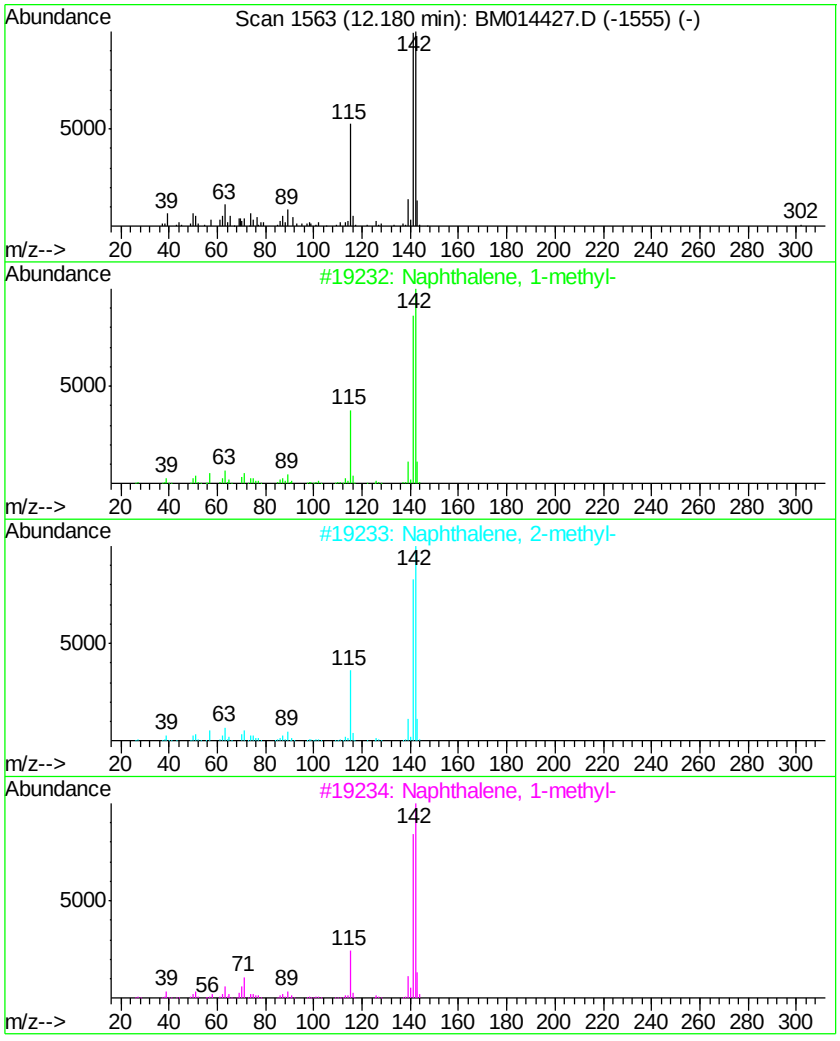
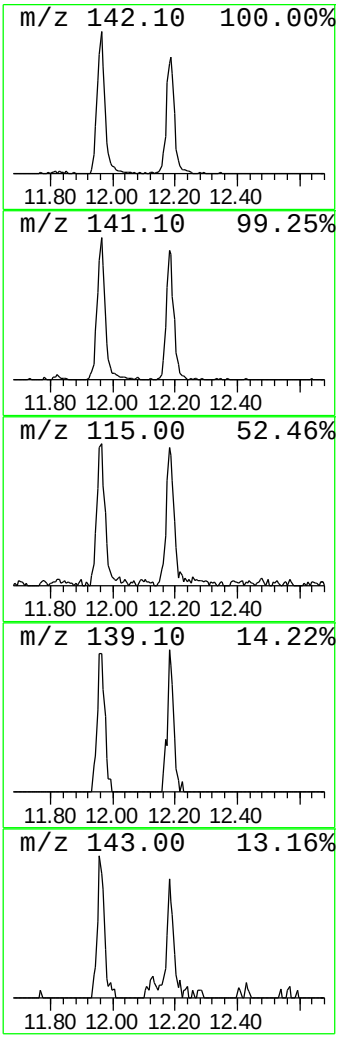
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	3.27 ng/ul	275816	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Library Search Compound Report

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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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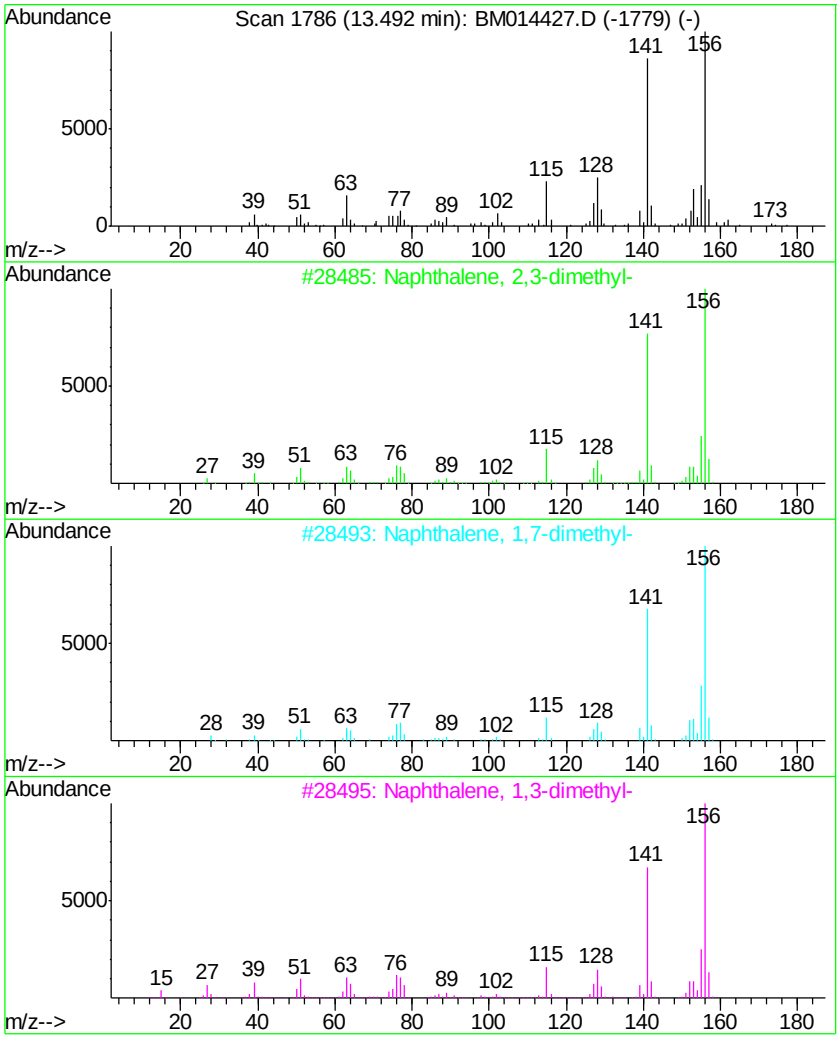
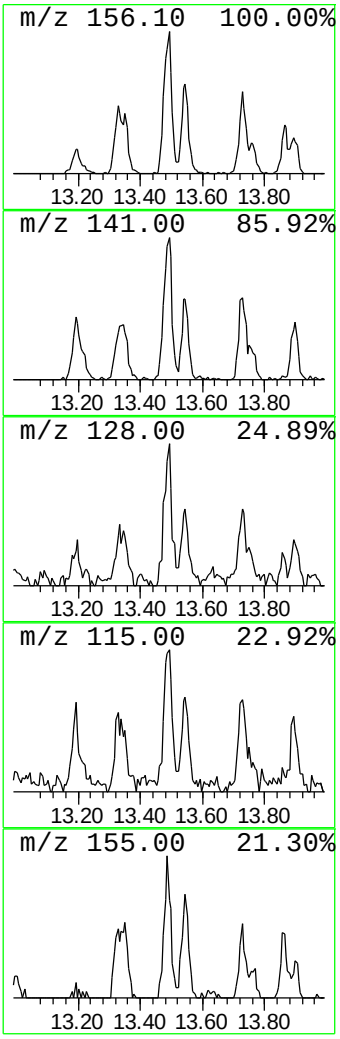
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.92 ng/ul	339372	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





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Misc :
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Instrument : BNA_M
ClientSampleId : BE5W0

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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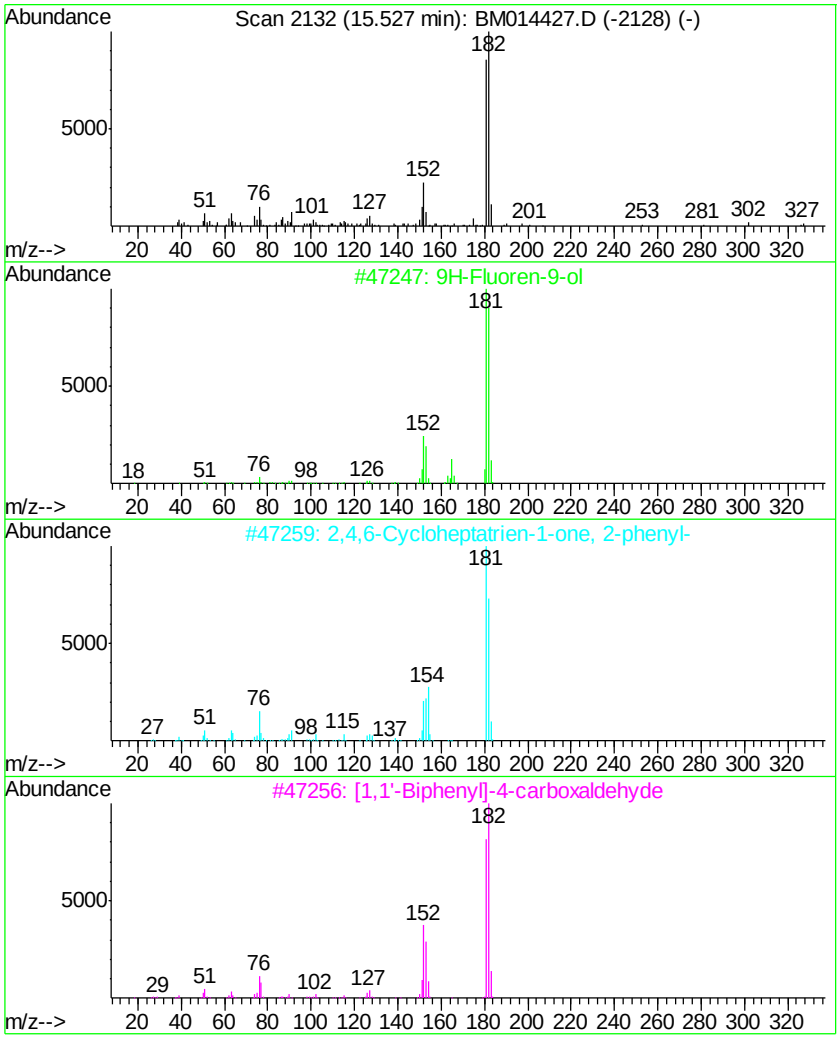
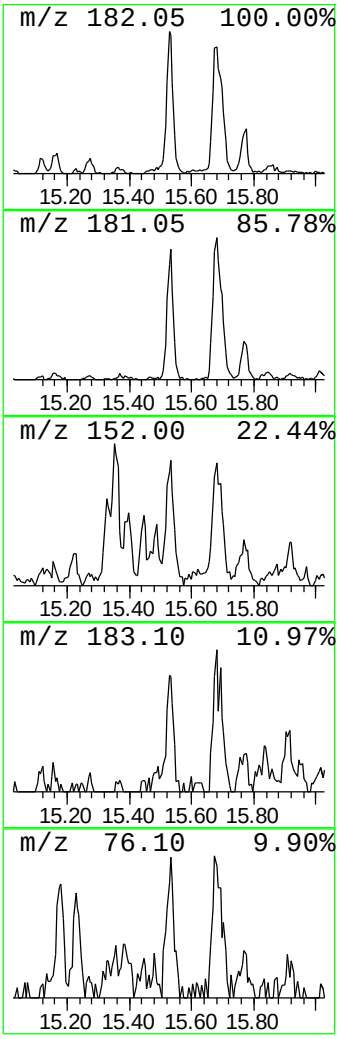
Peak Number 3 9H-Fluoren-9-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.04 ng/ul	353408	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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Instrument : BNA_M
ClientSampleId : BE5W0

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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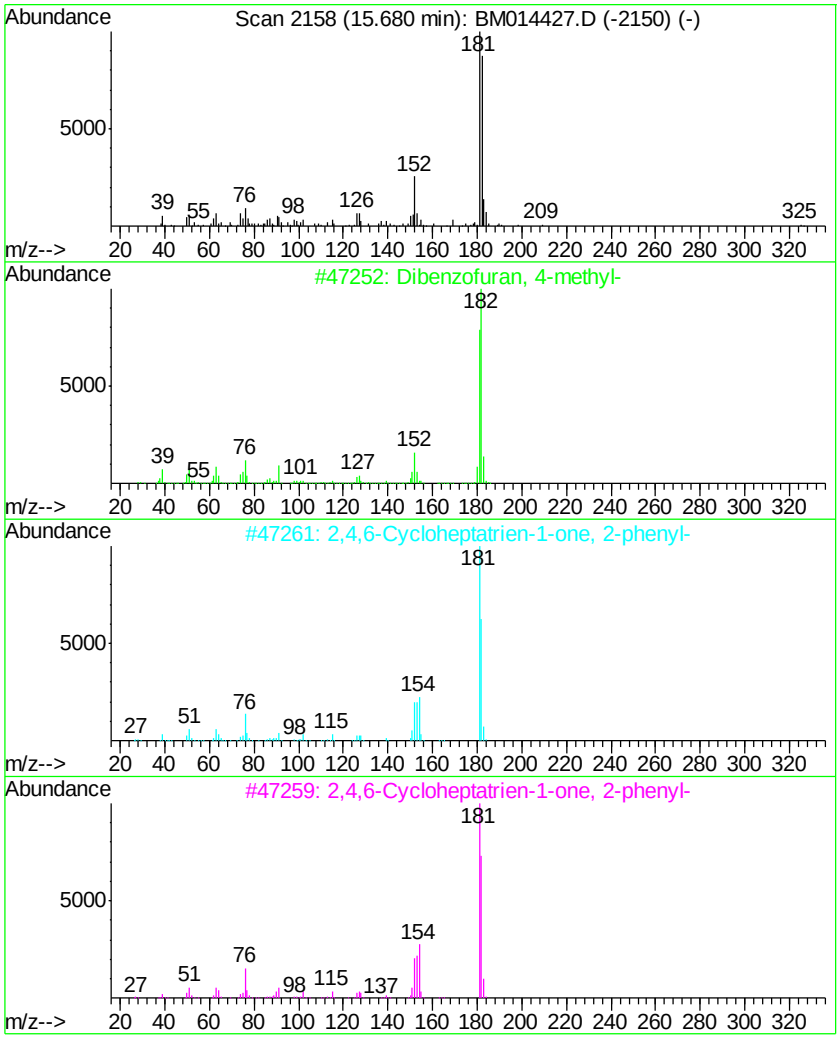
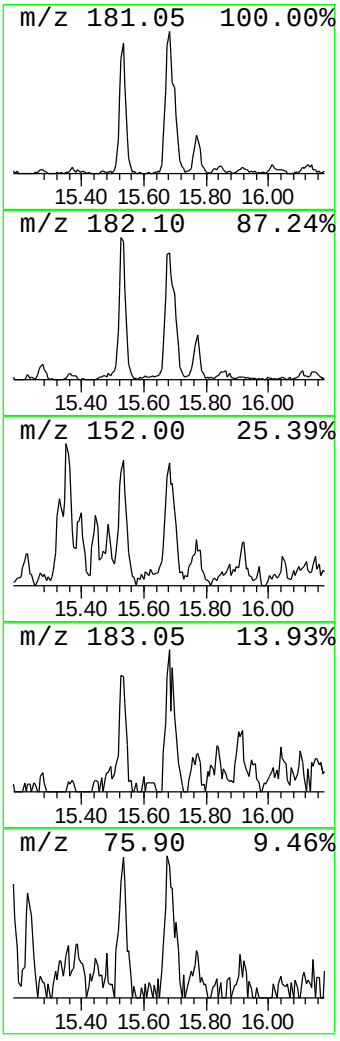
Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.85 ng/ul	377850	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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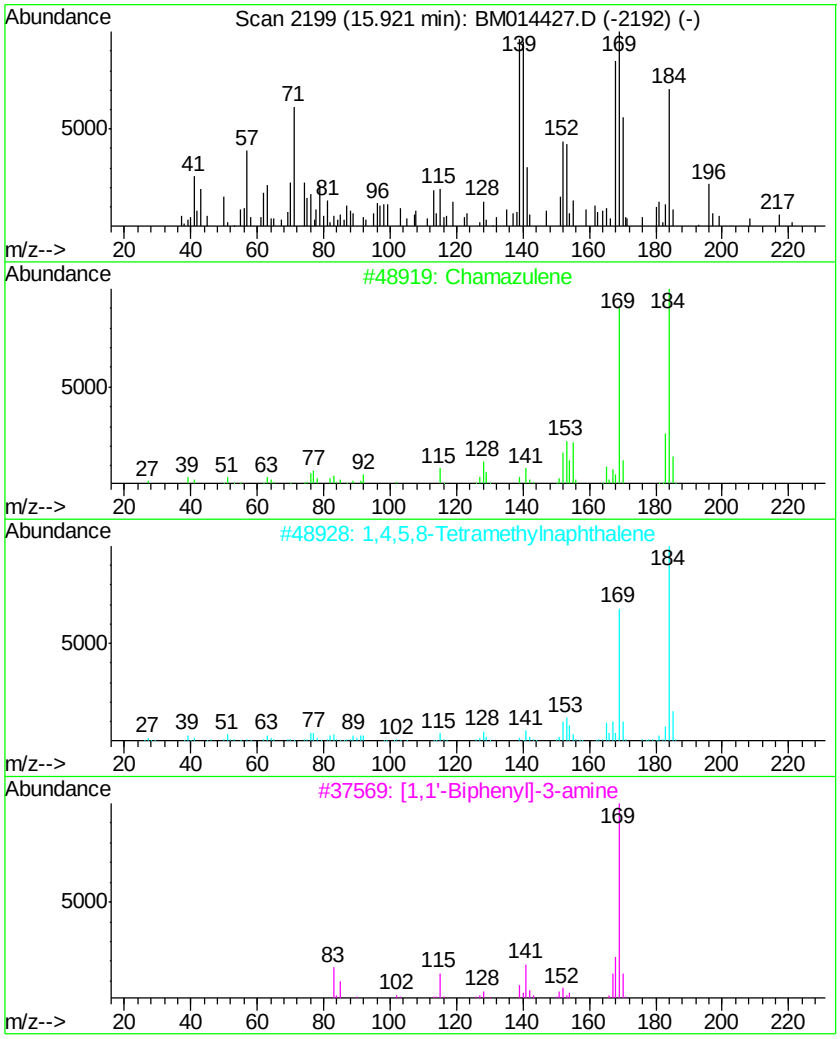
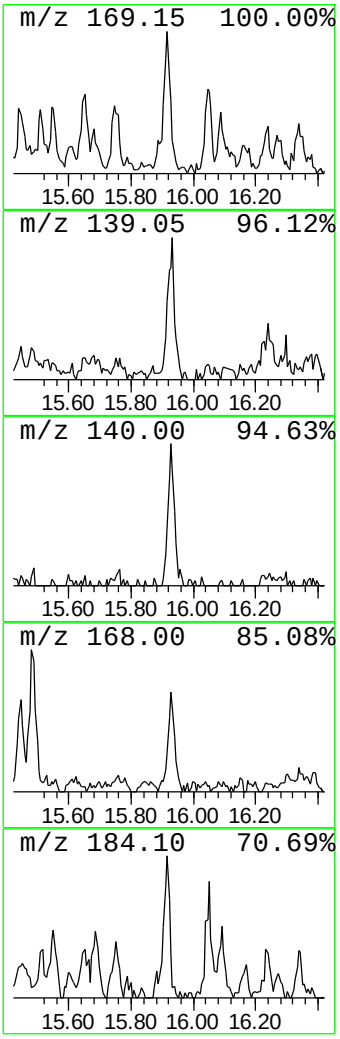
Peak Number 5 Chamazulene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.32 ng/ul	308476	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	53
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	49
3	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	38
4	Methyl E-2-bromo-3-chloropropenoate	198	C4H4BrClO2	120782-25-4	35
5	[1,2,4]Triazolo[4,3-a]quinoline	169	C10H7N3	000235-06-3	30





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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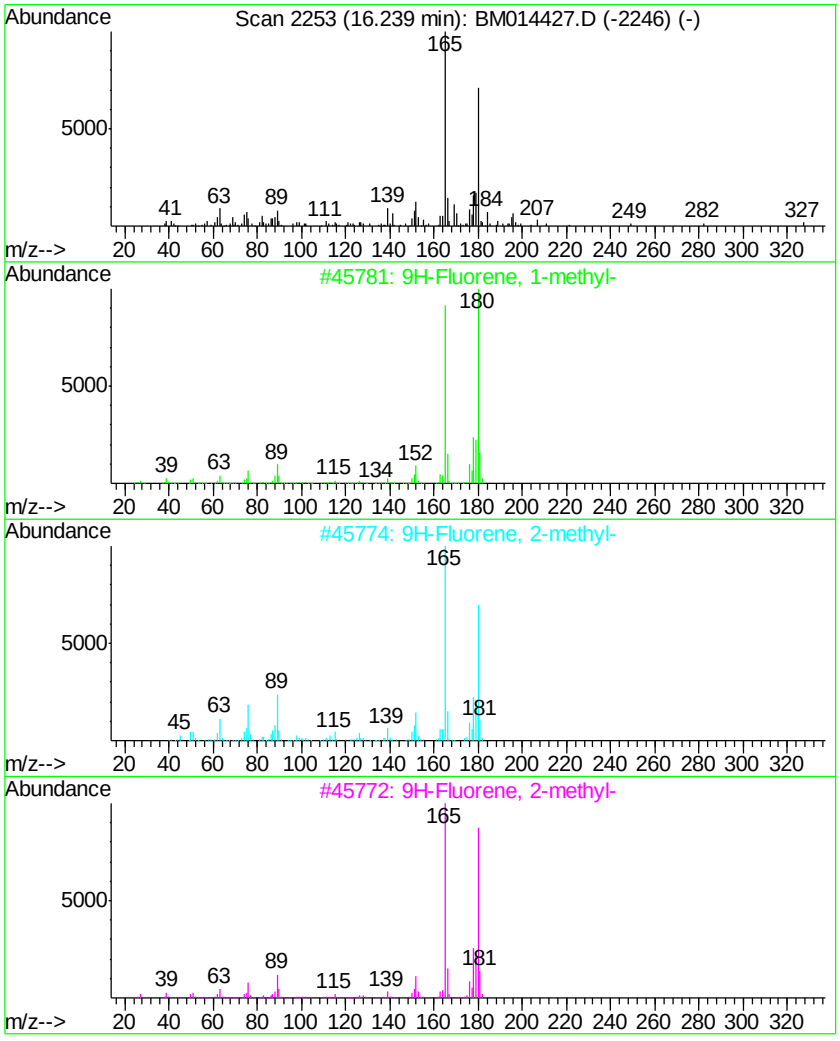
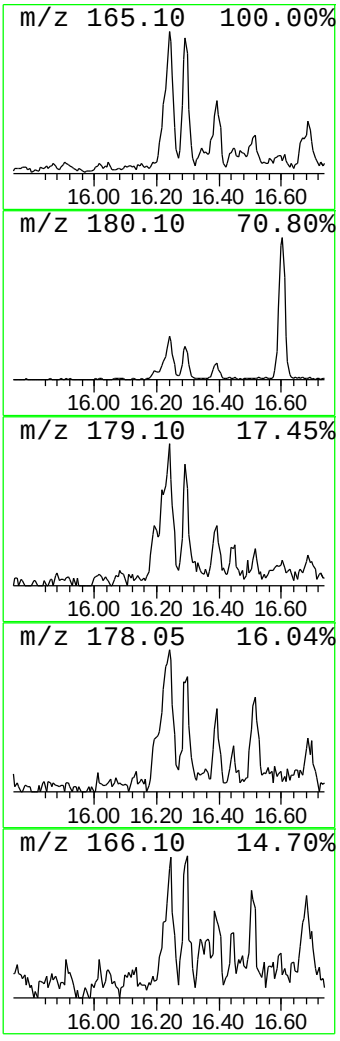
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.72 ng/ul	361024	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90





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Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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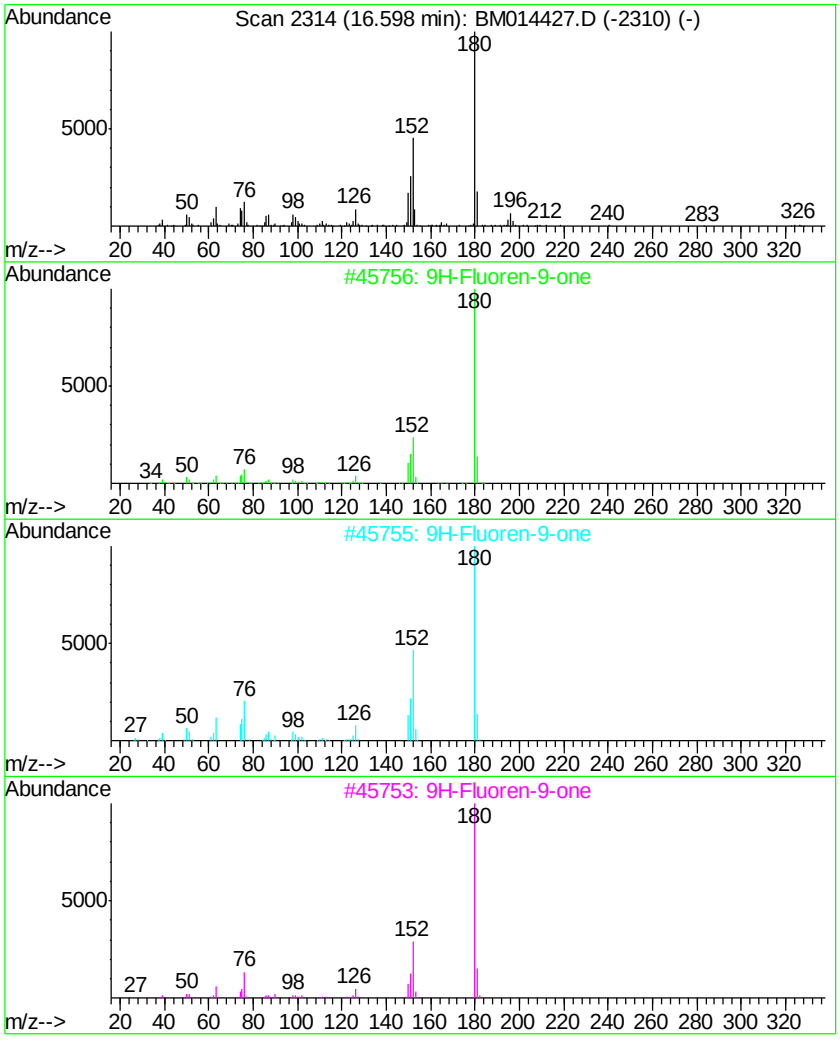
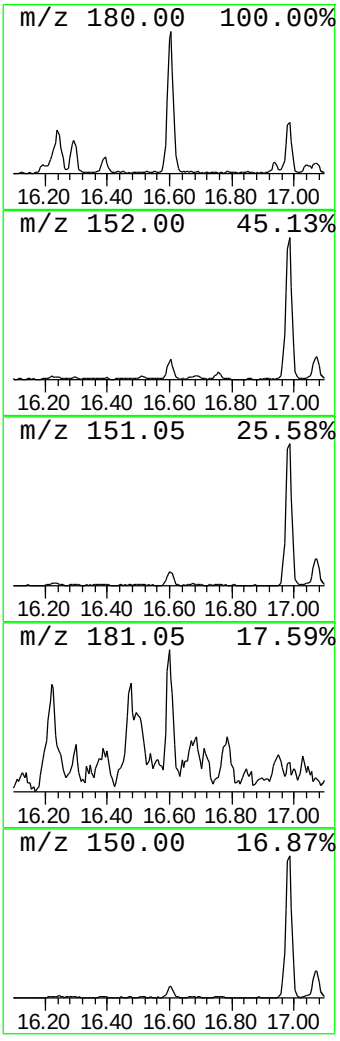
Peak Number 7 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	4.03 ng/ul	534871	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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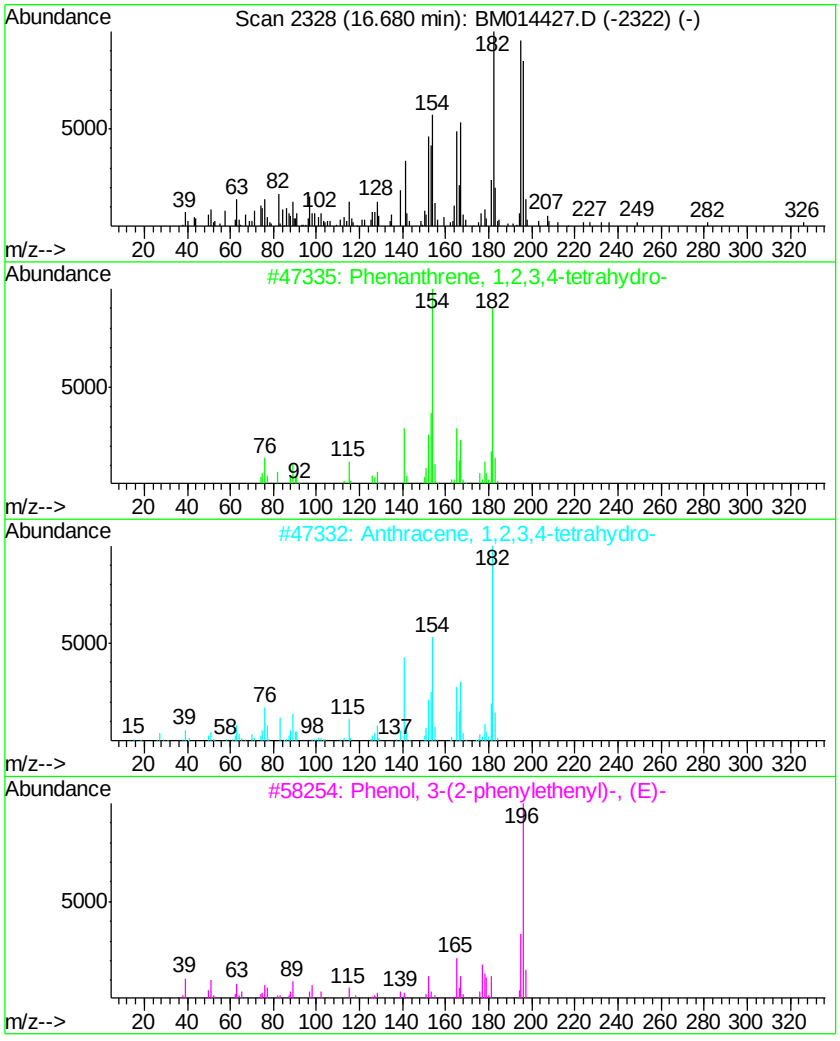
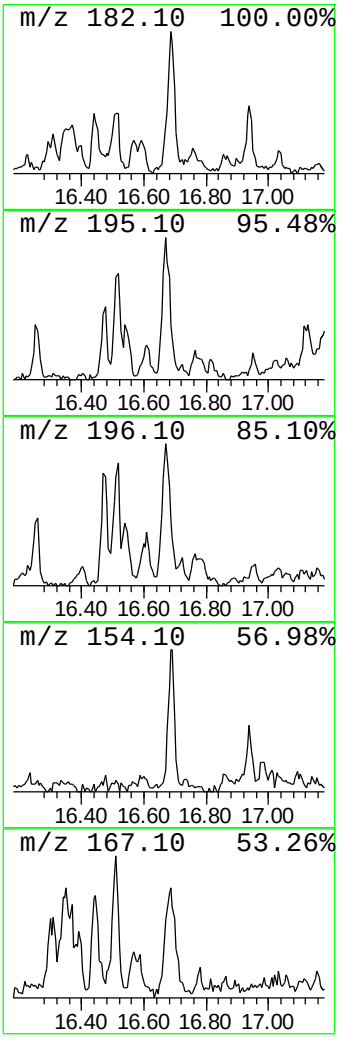
Peak Number 8 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	3.23 ng/ul	429169	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	46
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	42
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38
4	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	38





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Misc :
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Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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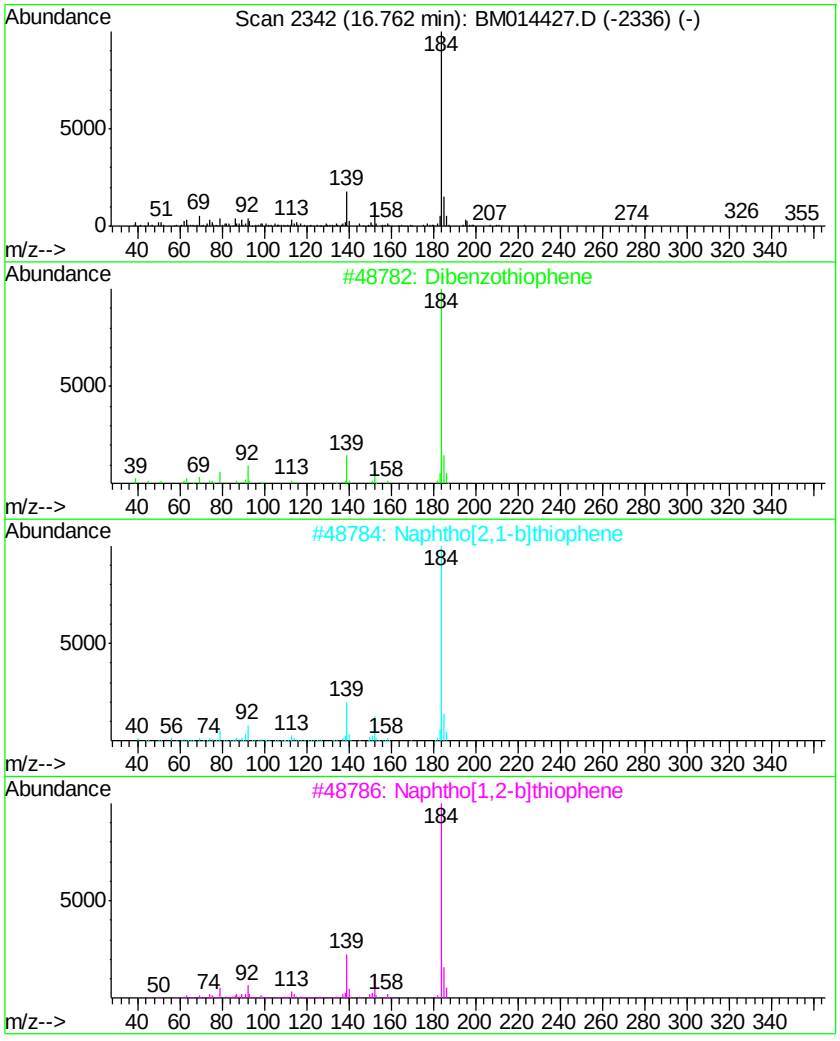
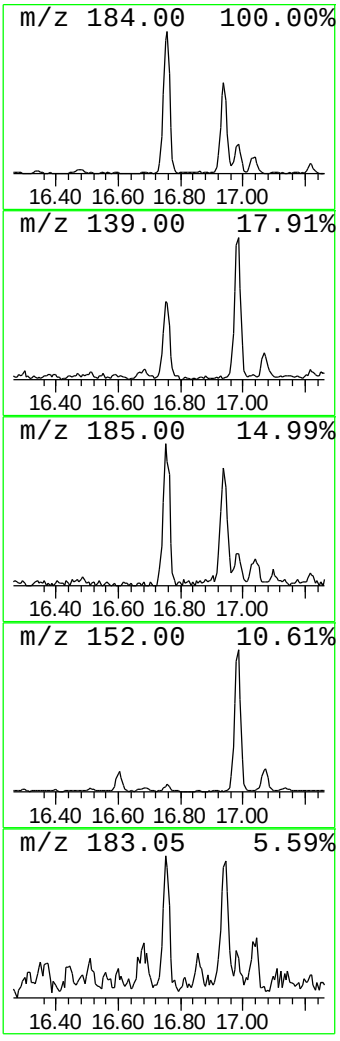
Peak Number 9 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.80 ng/ul	637304	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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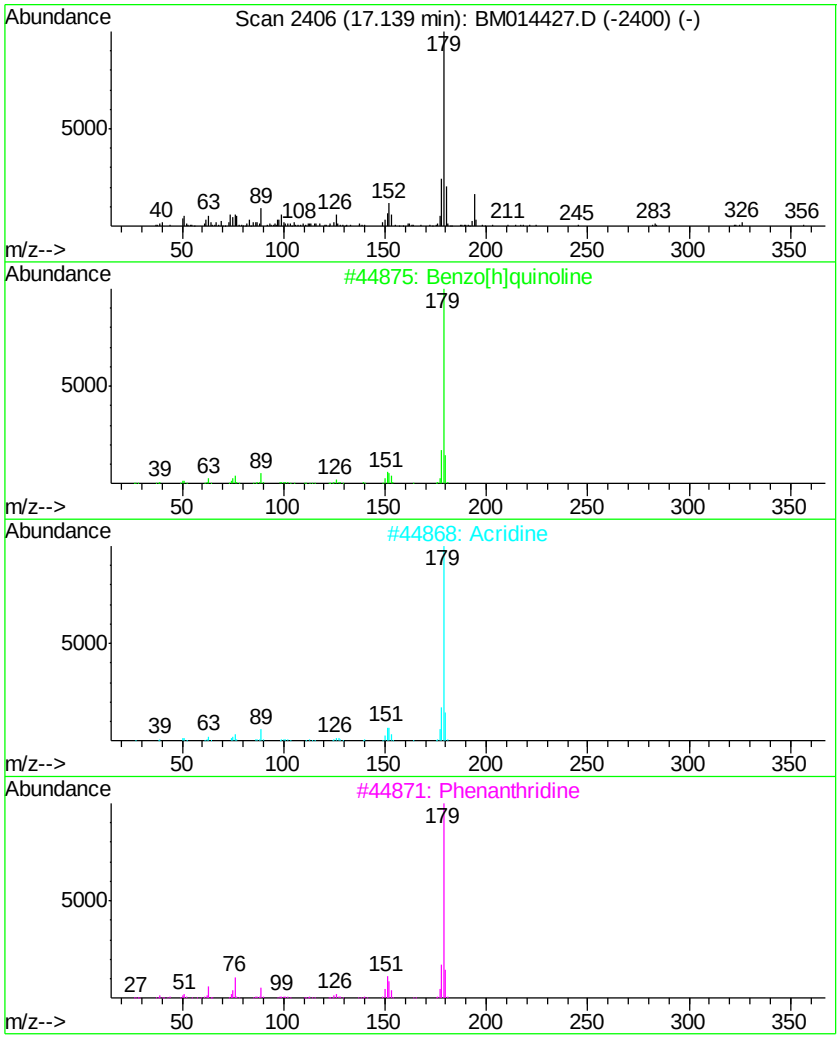
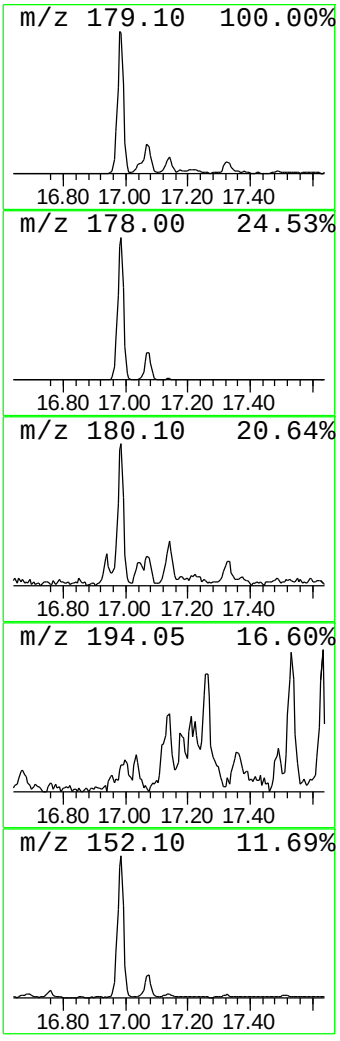
Peak Number 10 Benzo[h]quinoline Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.15 ng/ul	285504	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
2	Acridine	179	C13H9N	000260-94-6	87
3	Phenanthridine	179	C13H9N	000229-87-8	86
4	Acridine	179	C13H9N	000260-94-6	81
5	Acridine	179	C13H9N	000260-94-6	76





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Quant Title : SVOA CALIBRATION

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

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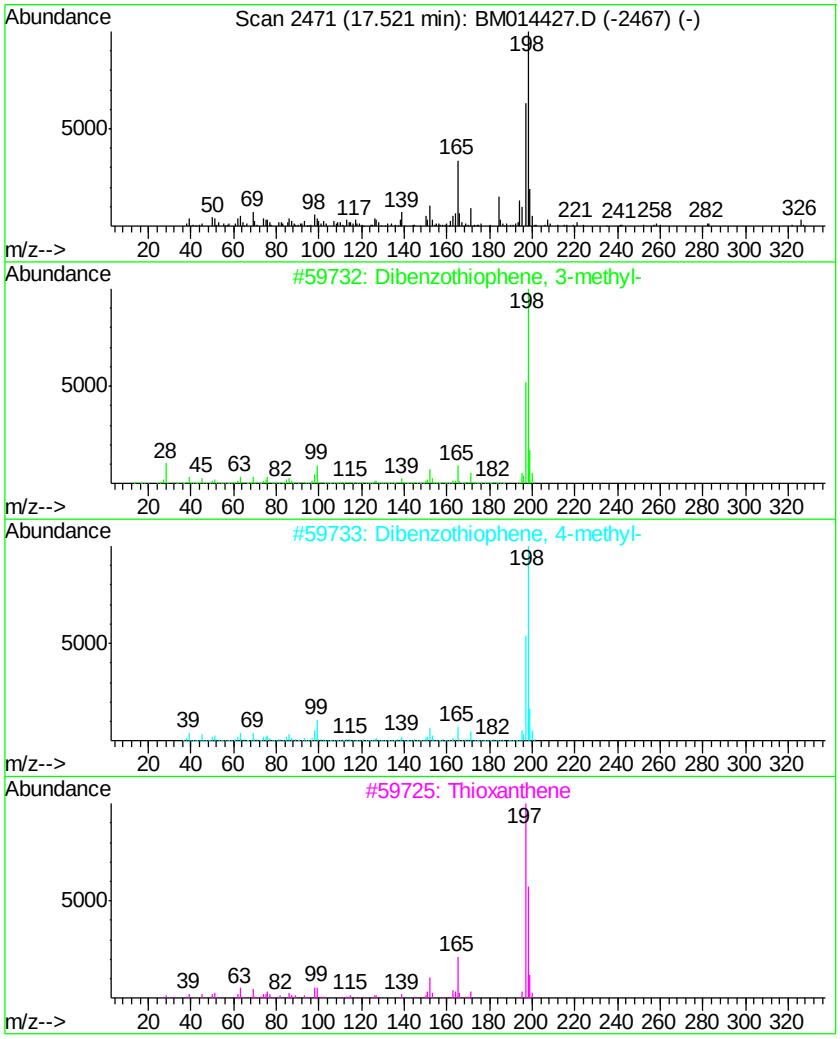
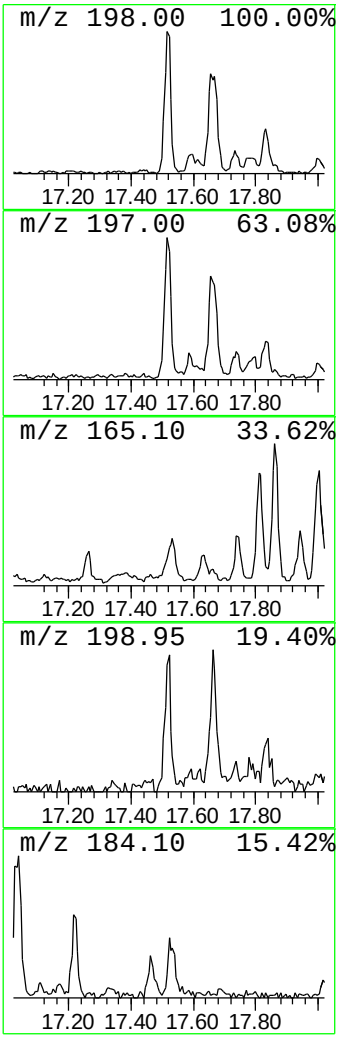
Peak Number 11 Dibenzothiophene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.84 ng/ul	509434	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Thioxanthene	198	C13H10S	000261-31-4	58
5	Tacrine	198	C13H14N2	000321-64-2	53





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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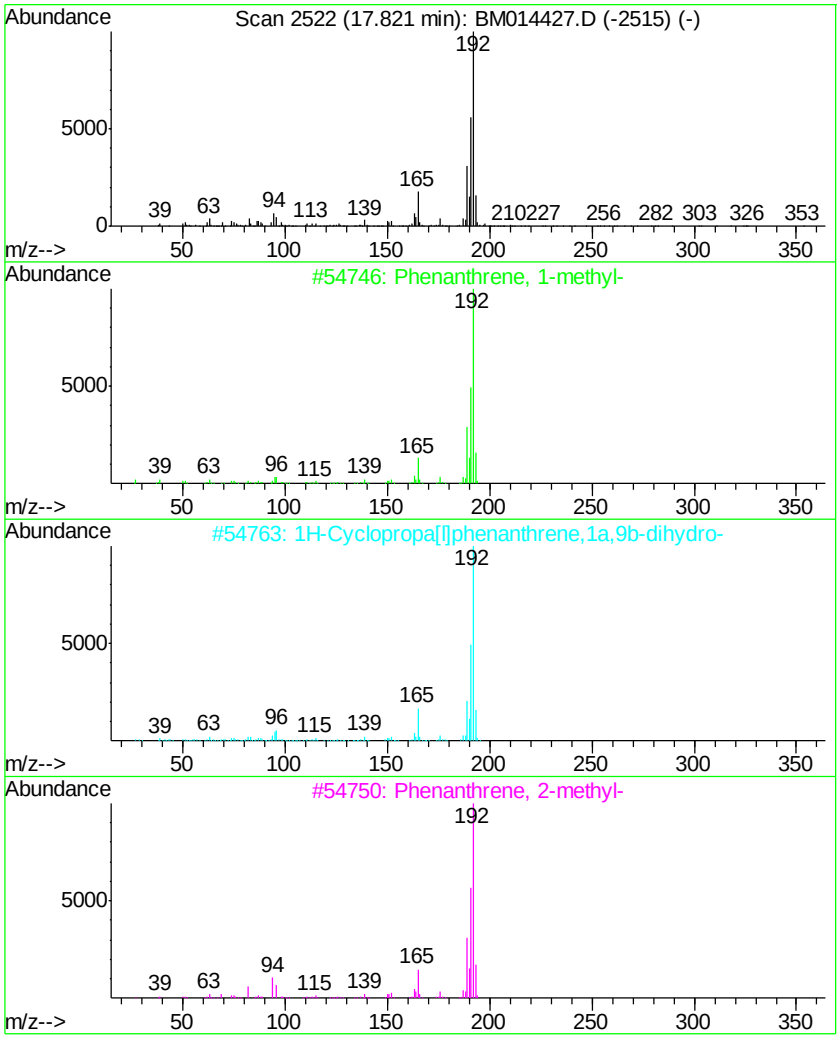
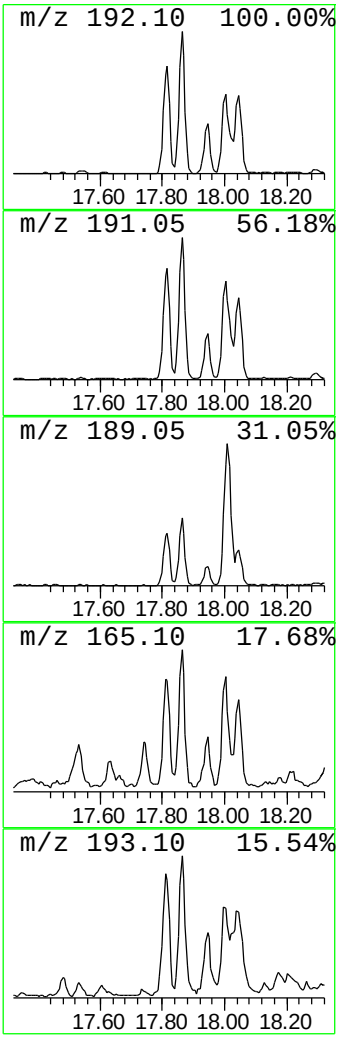
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	12.40 ng/ul	1646530	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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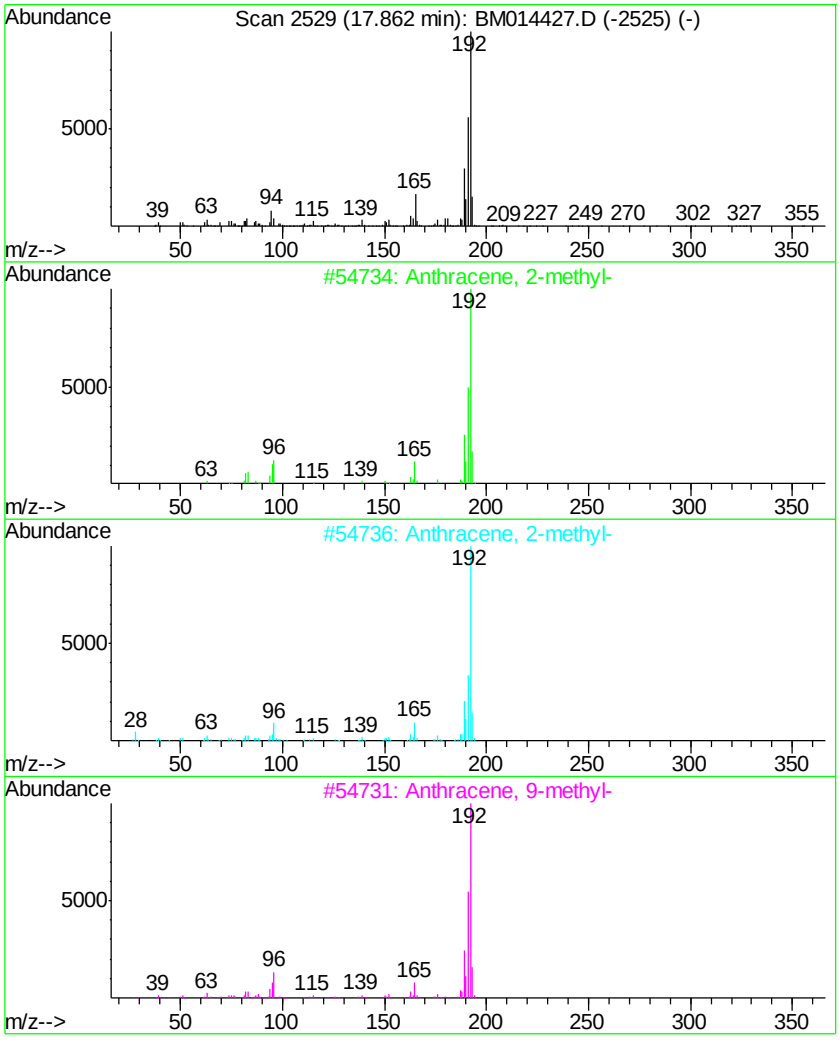
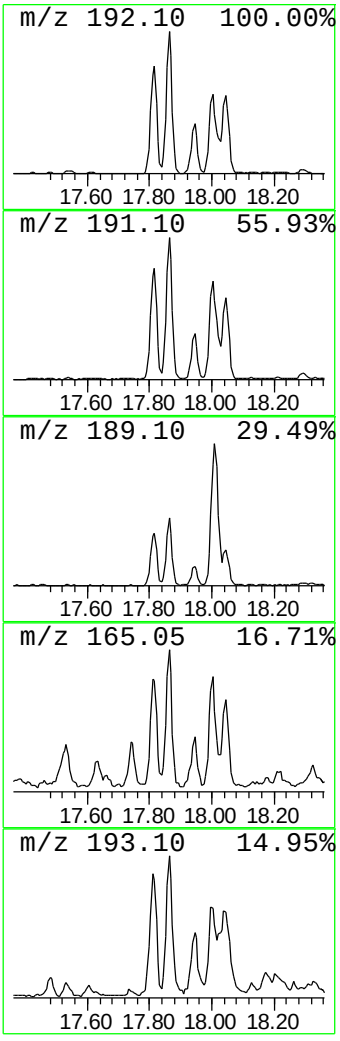
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	16.24 ng/ul	2157240	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Sample : J1678-10 10X
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Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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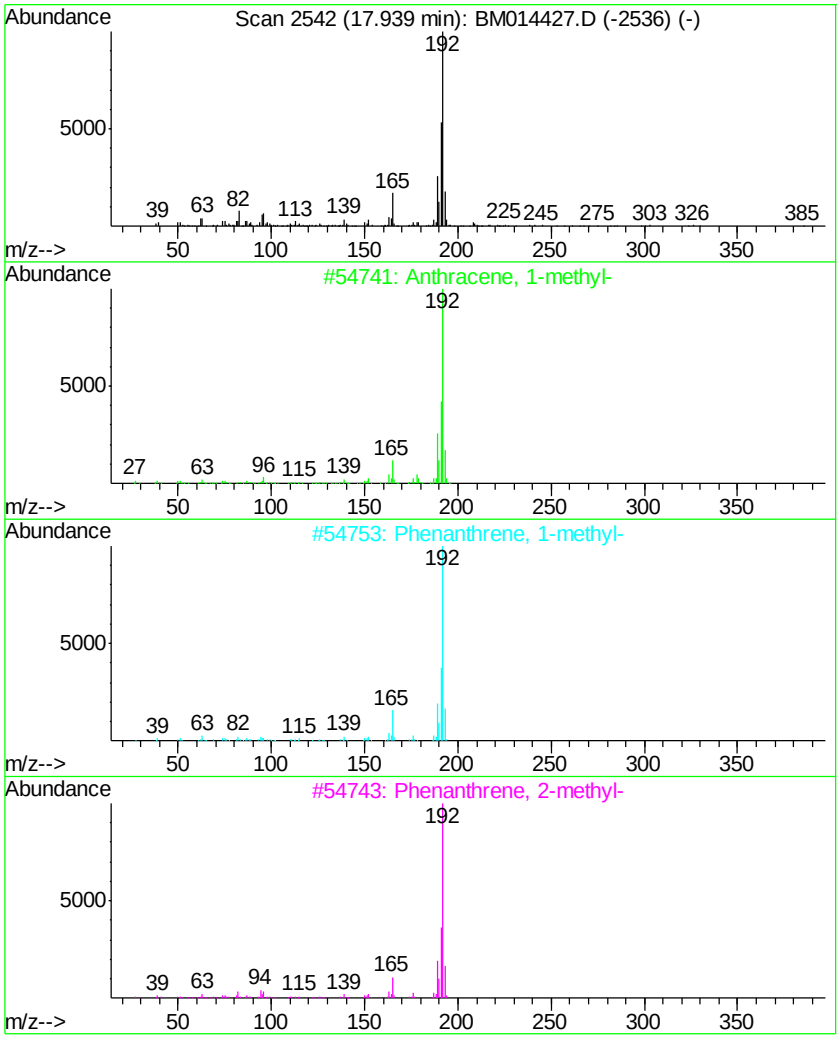
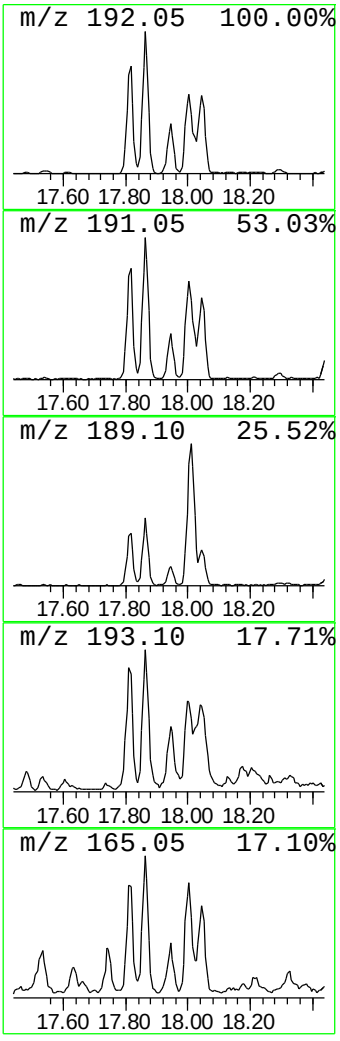
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.71 ng/ul	757671	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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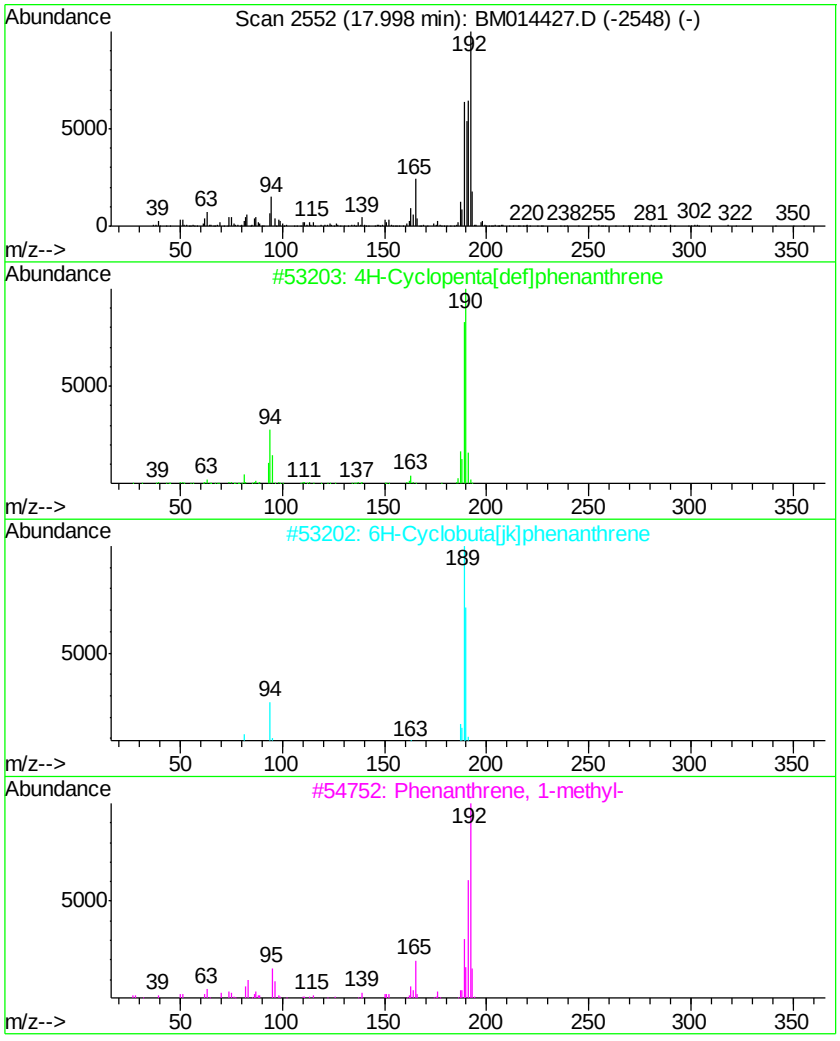
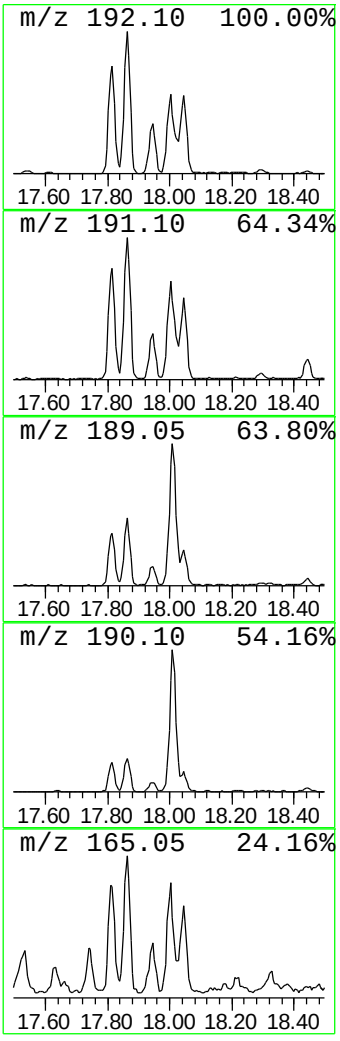
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	20.58 ng/ul	2732780	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





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Quant Title : SVOA CALIBRATION

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

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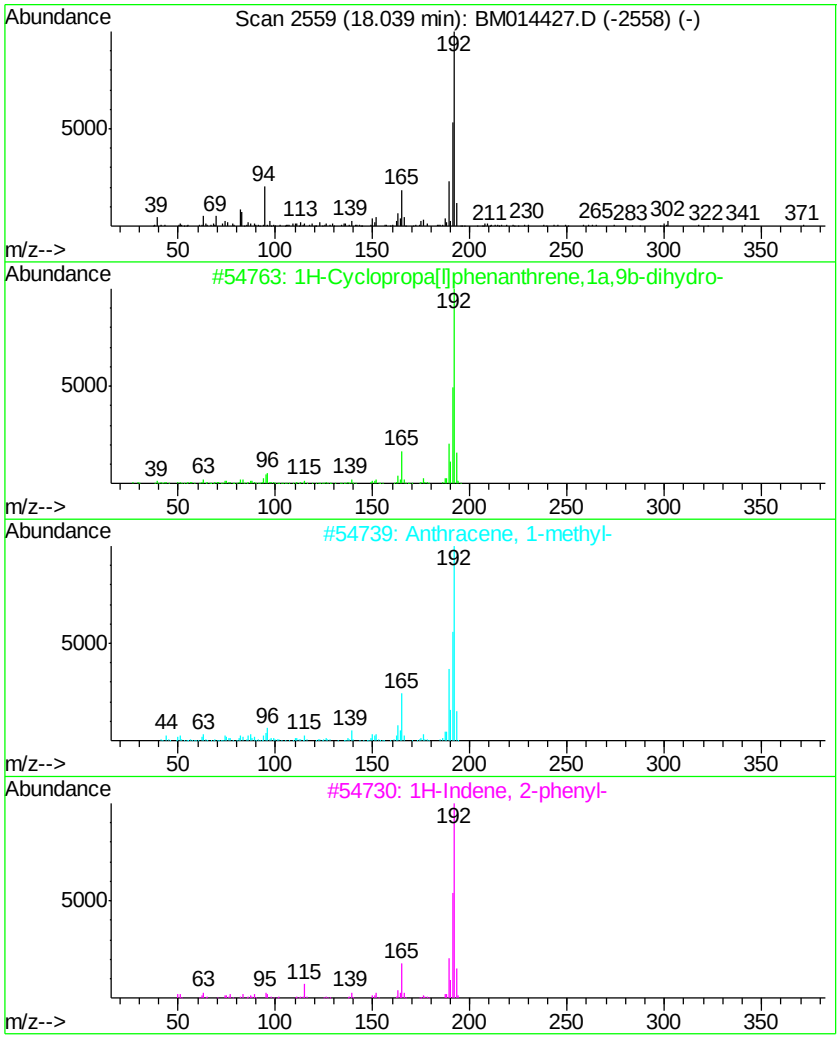
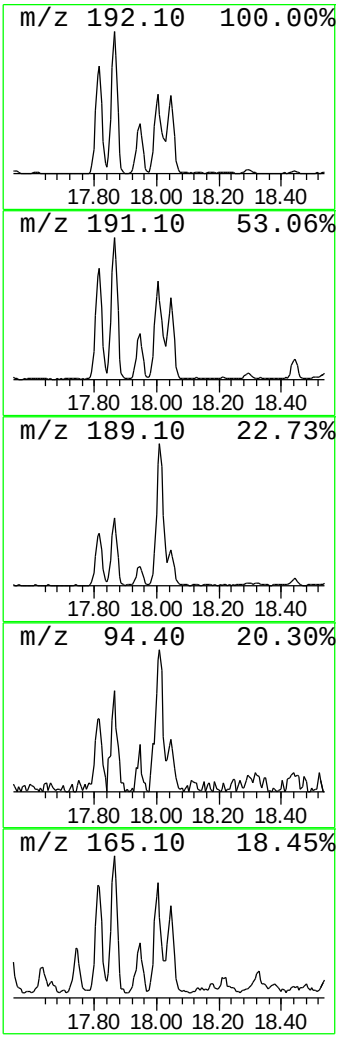
Peak Number 16 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	7.82 ng/ul	1038460	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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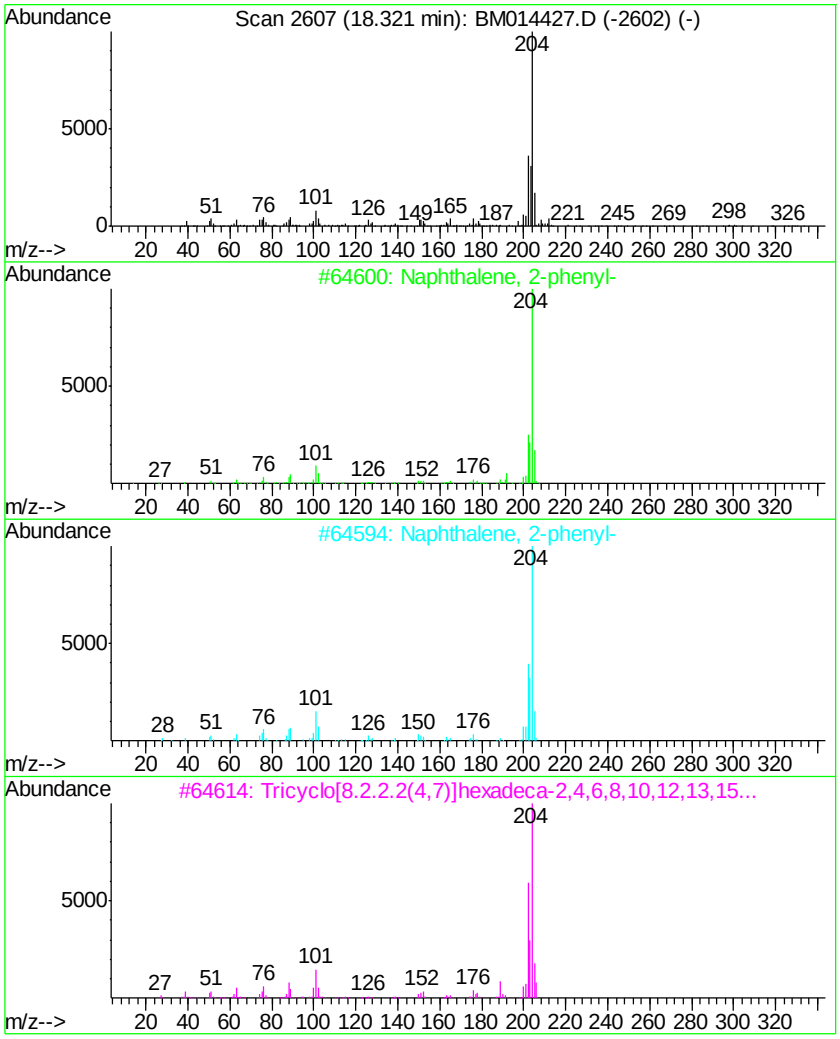
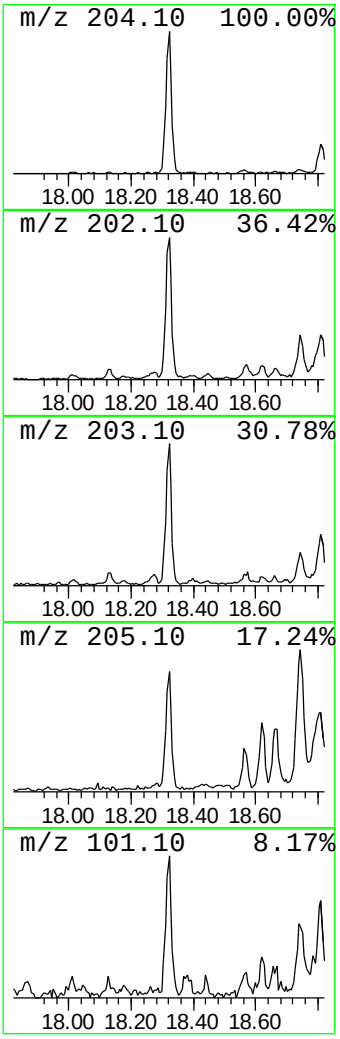
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.94 ng/ul	922283	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Acq On : 01 Mar 2018 06:56
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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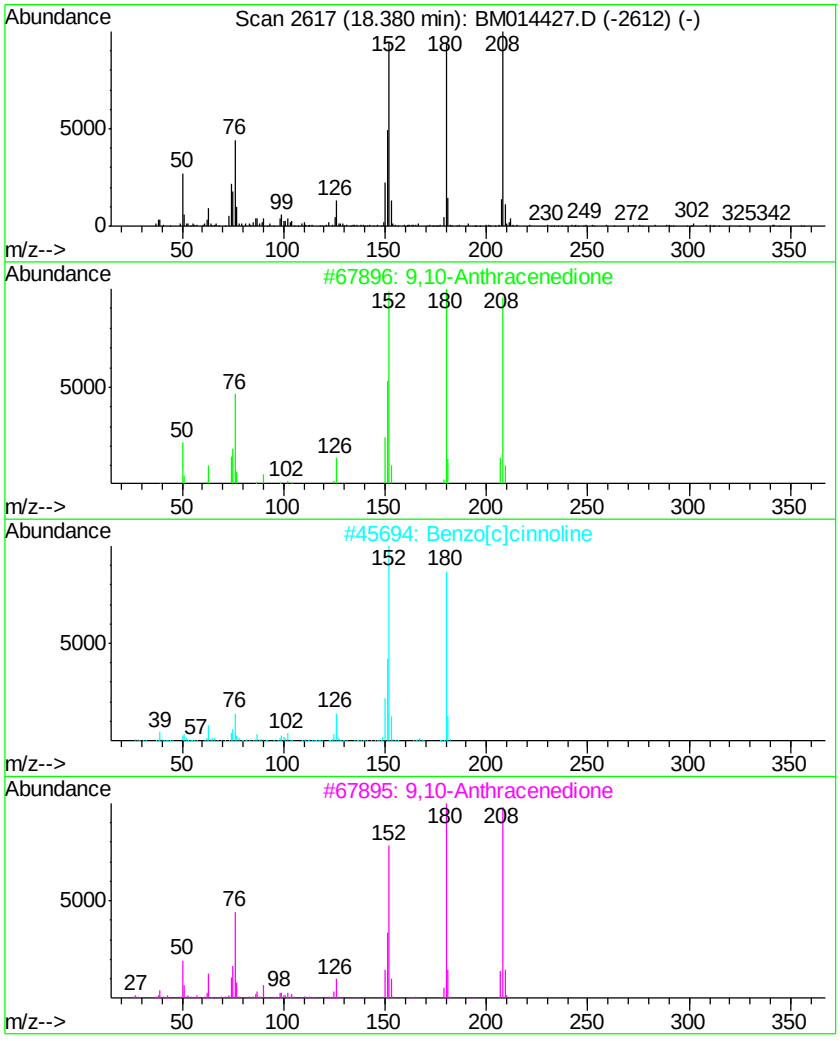
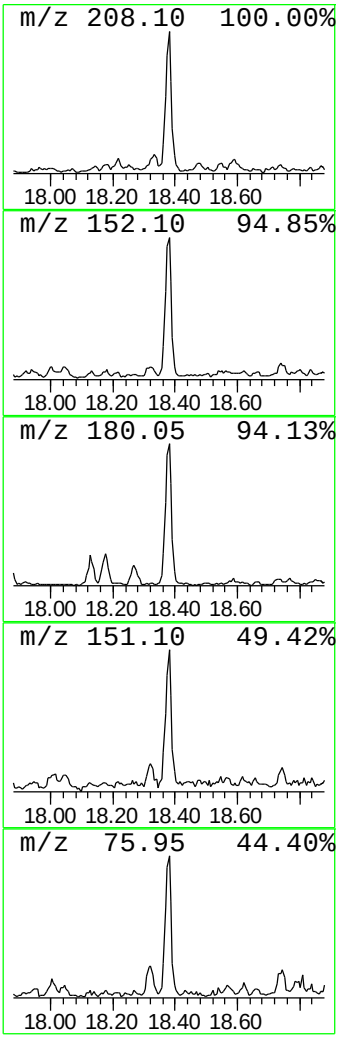
Peak Number 18 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	7.95 ng/ul	1055800	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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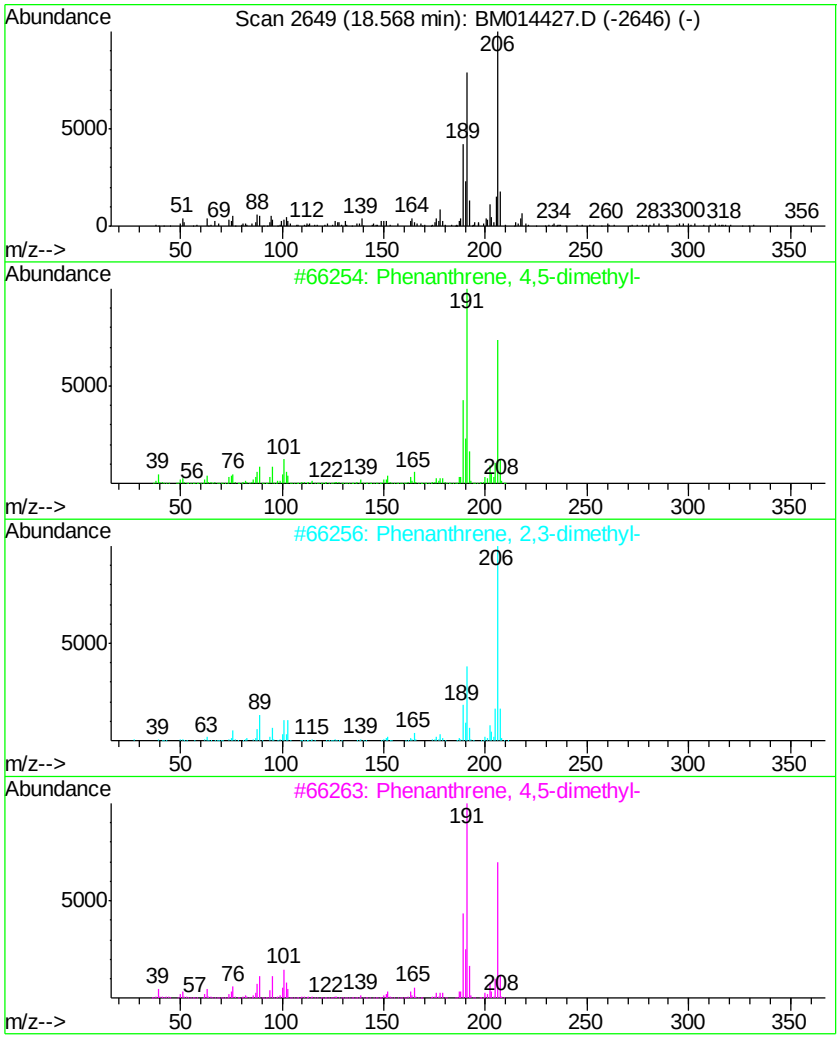
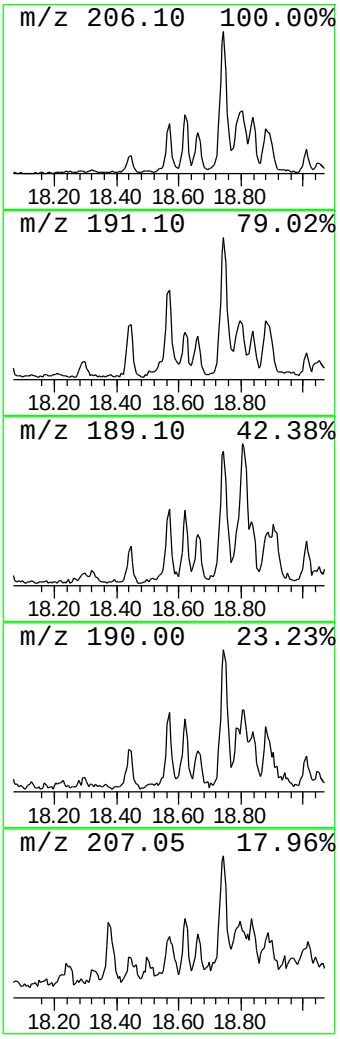
Peak Number 19 Phenanthrene, 4,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.50 ng/ul	332638	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, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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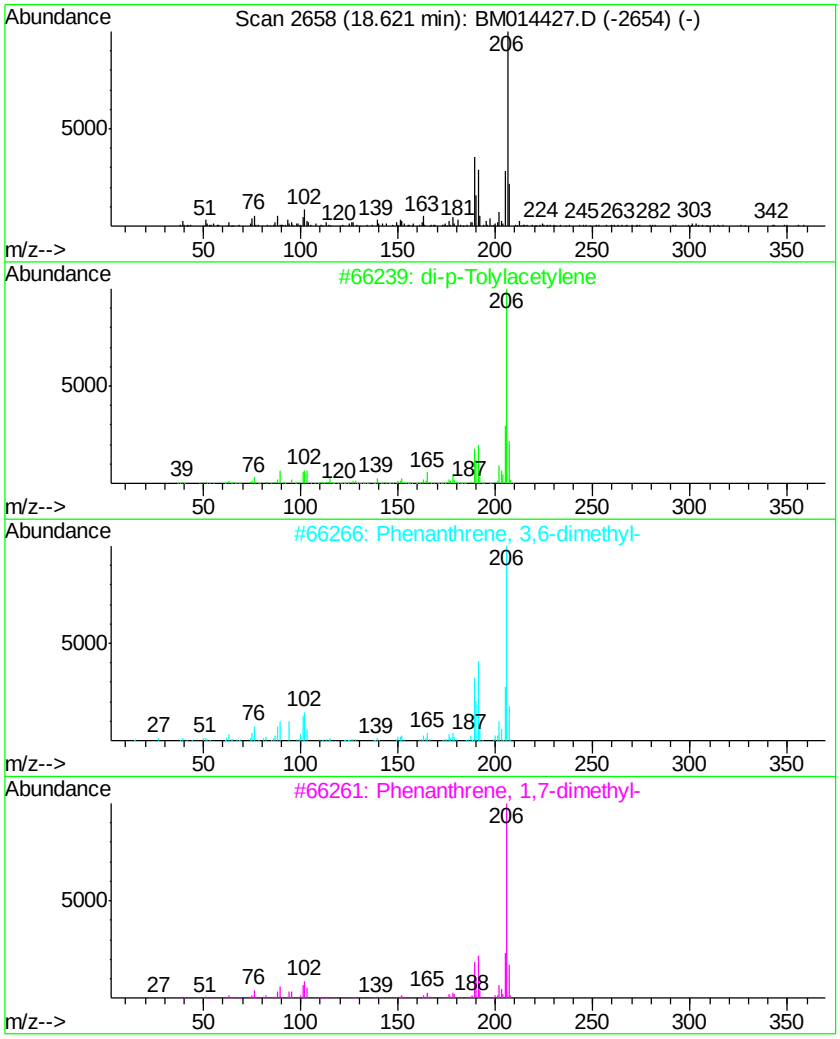
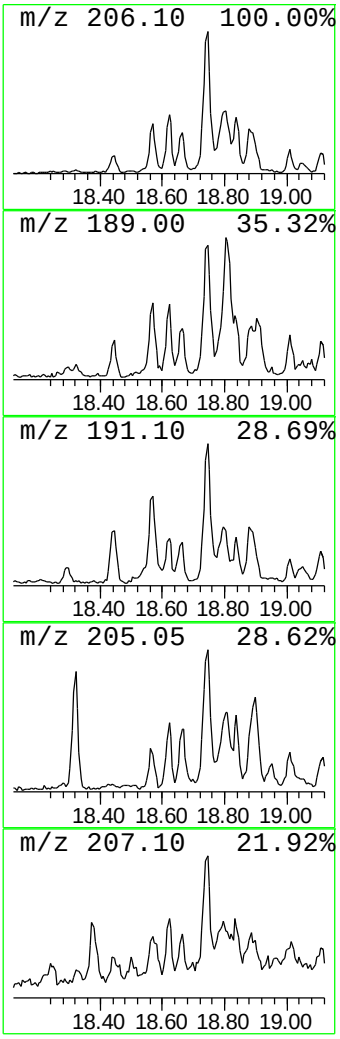
Peak Number 20 di-p-Tolylacetylene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.50 ng/ul	332415	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : SJ/JU
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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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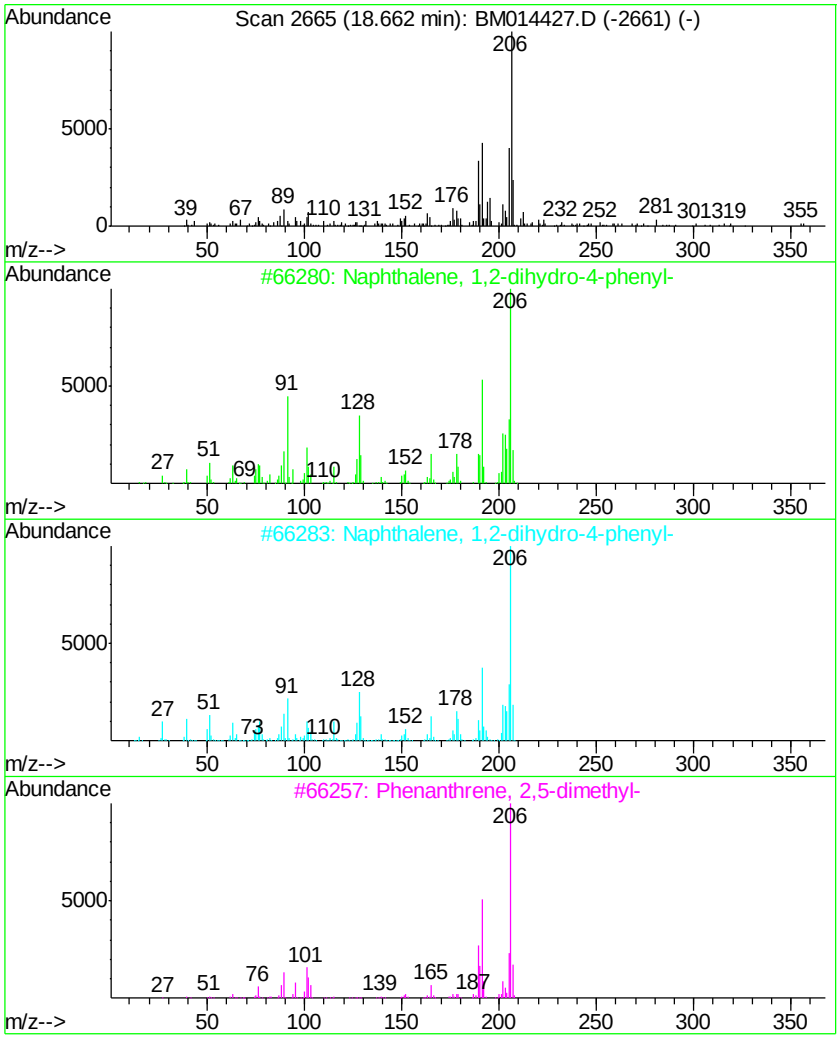
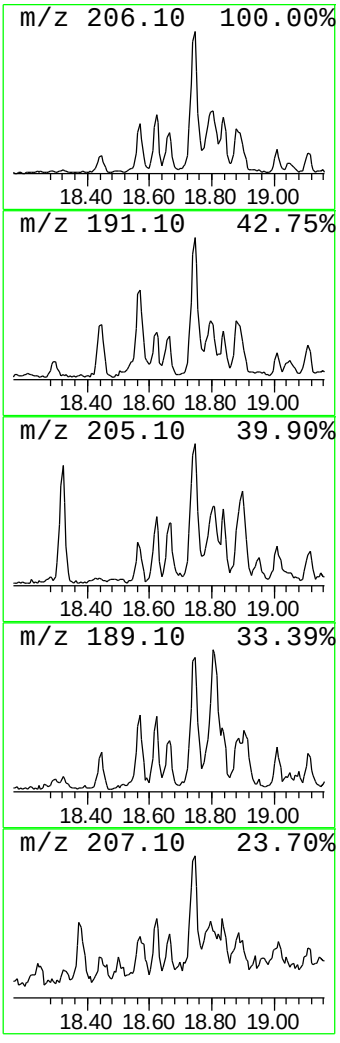
Peak Number 21 Naphthalene, 1,2-dihydro-4-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.37 ng/ul	314520	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	60





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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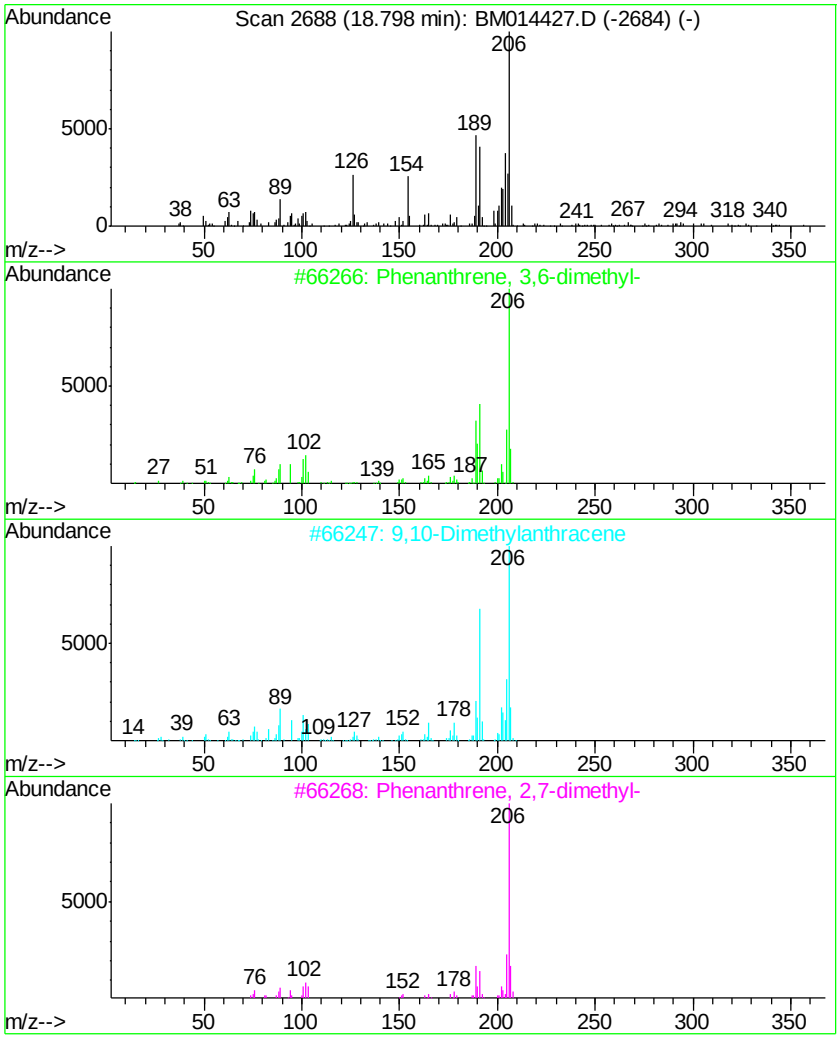
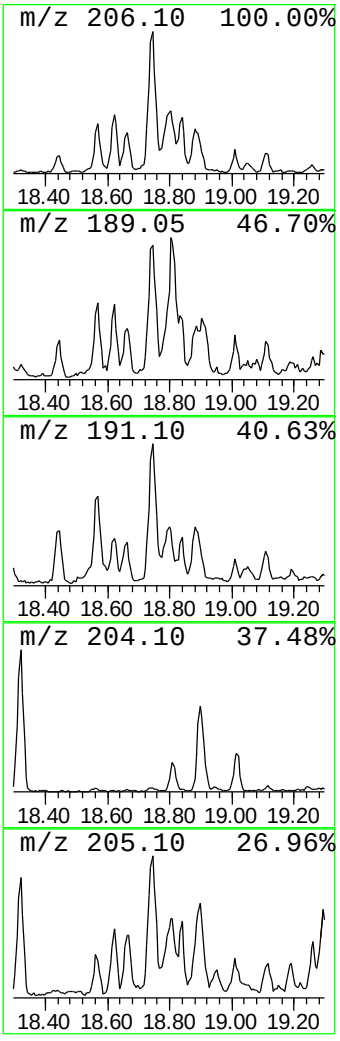
Peak Number 23 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	5.87 ng/ul	779120	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	30





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Sample : J1678-10 10X
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Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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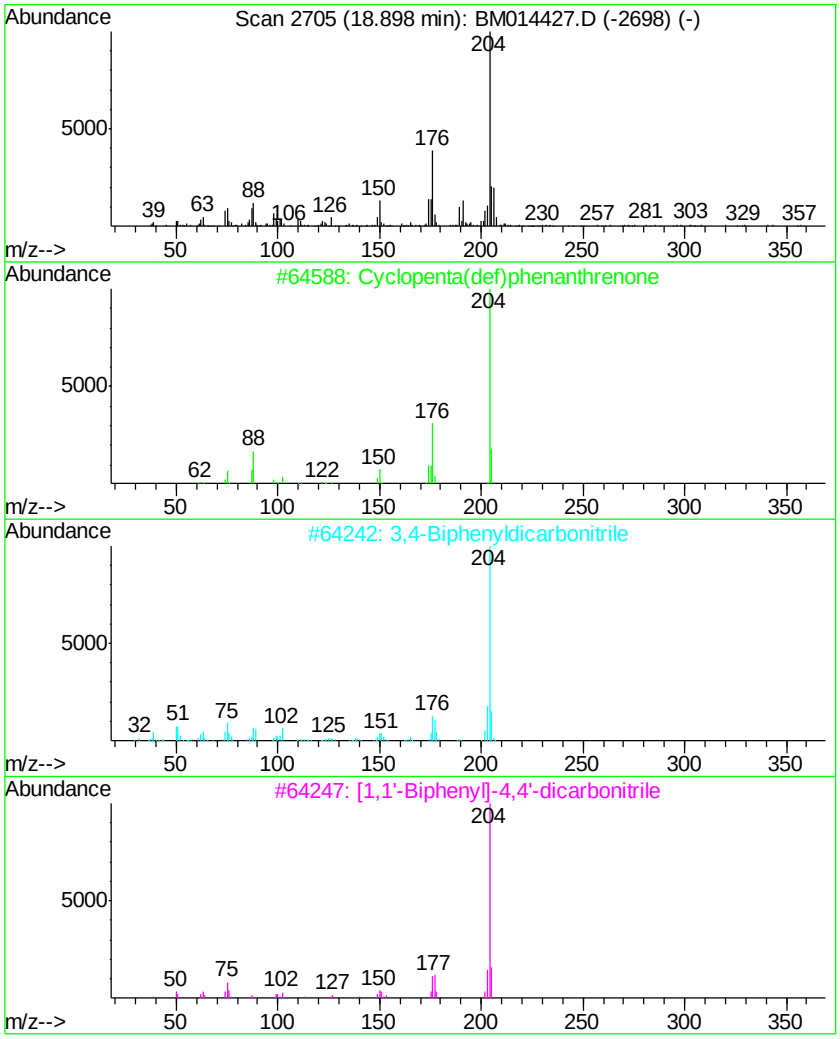
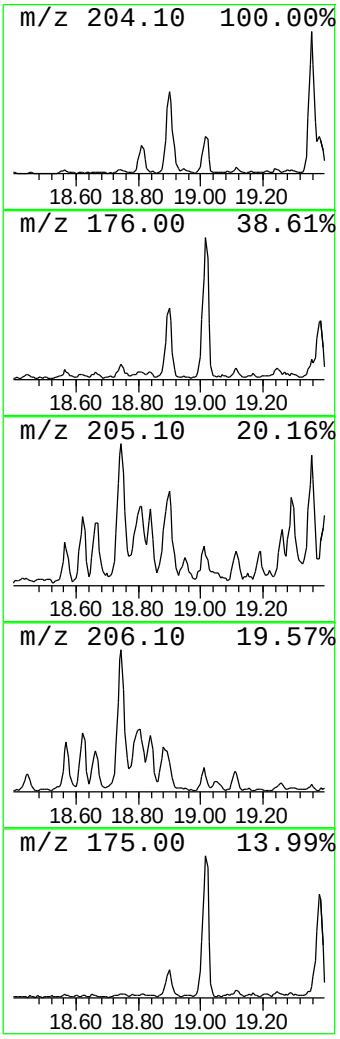
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	8.15 ng/ul	1081760	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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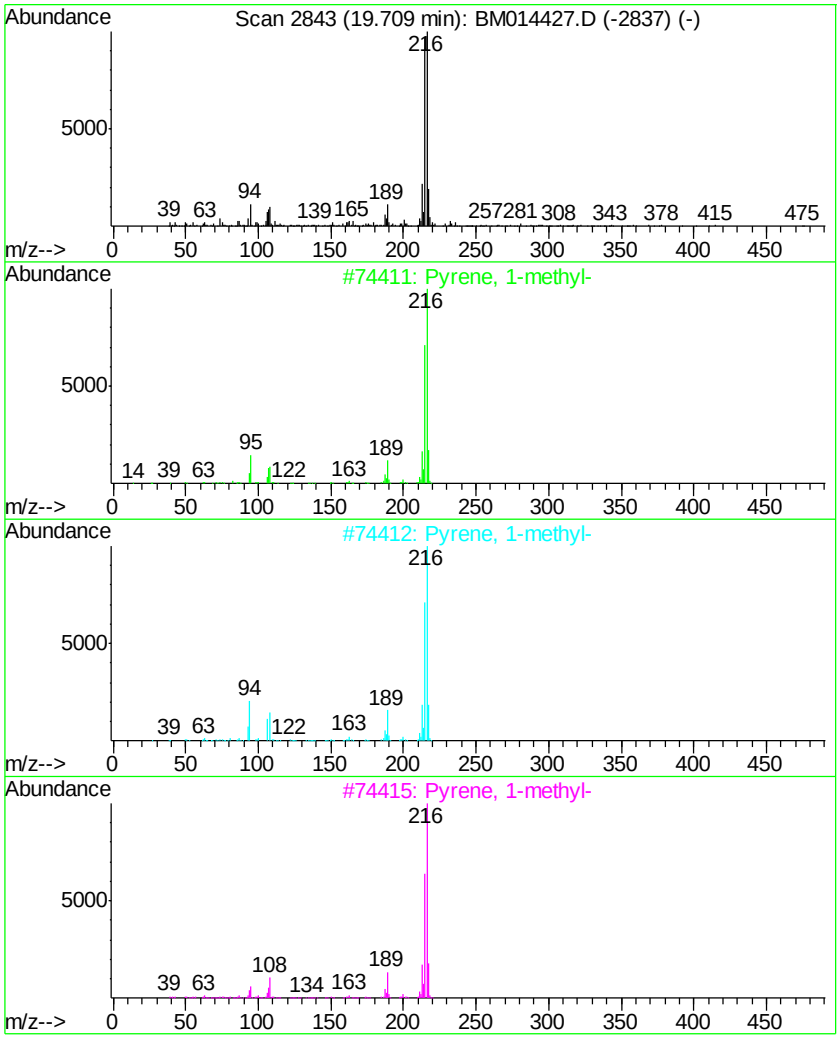
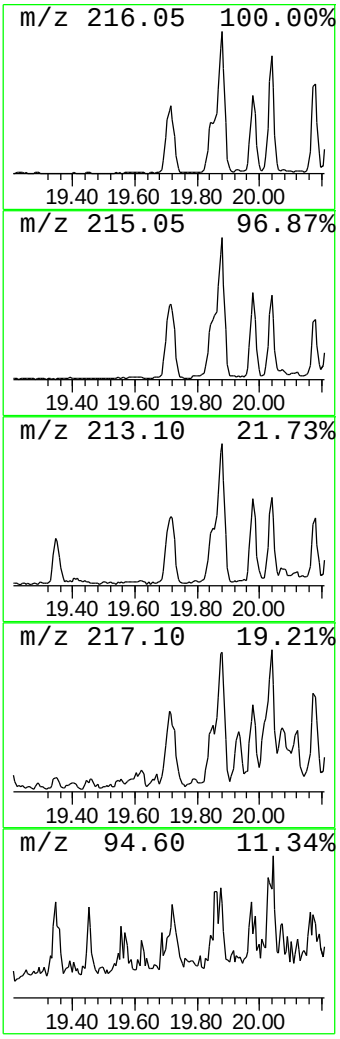
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	3.33 ng/ul	1519830	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Misc :
ALS Vial : 31 Sample Multiplier: 1

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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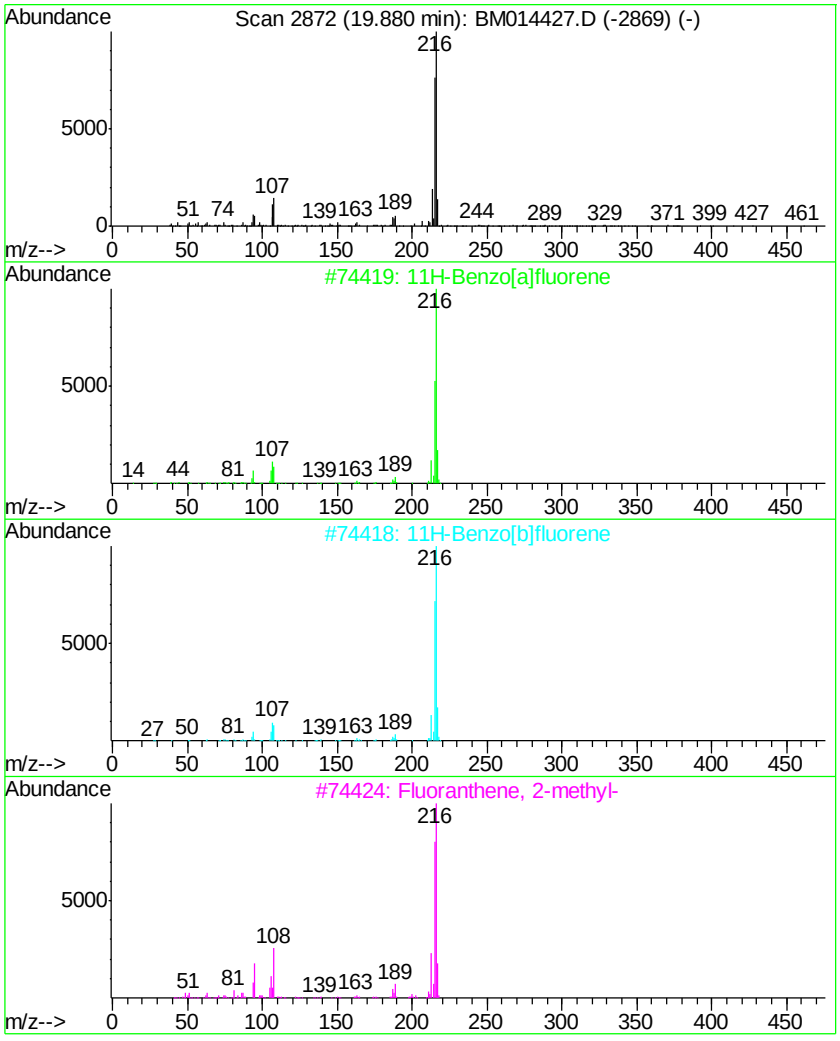
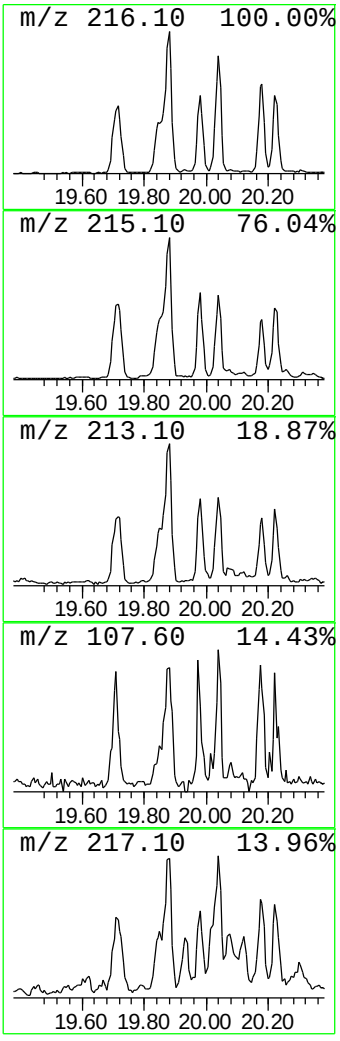
Peak Number 27 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.95 ng/ul	1345740	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	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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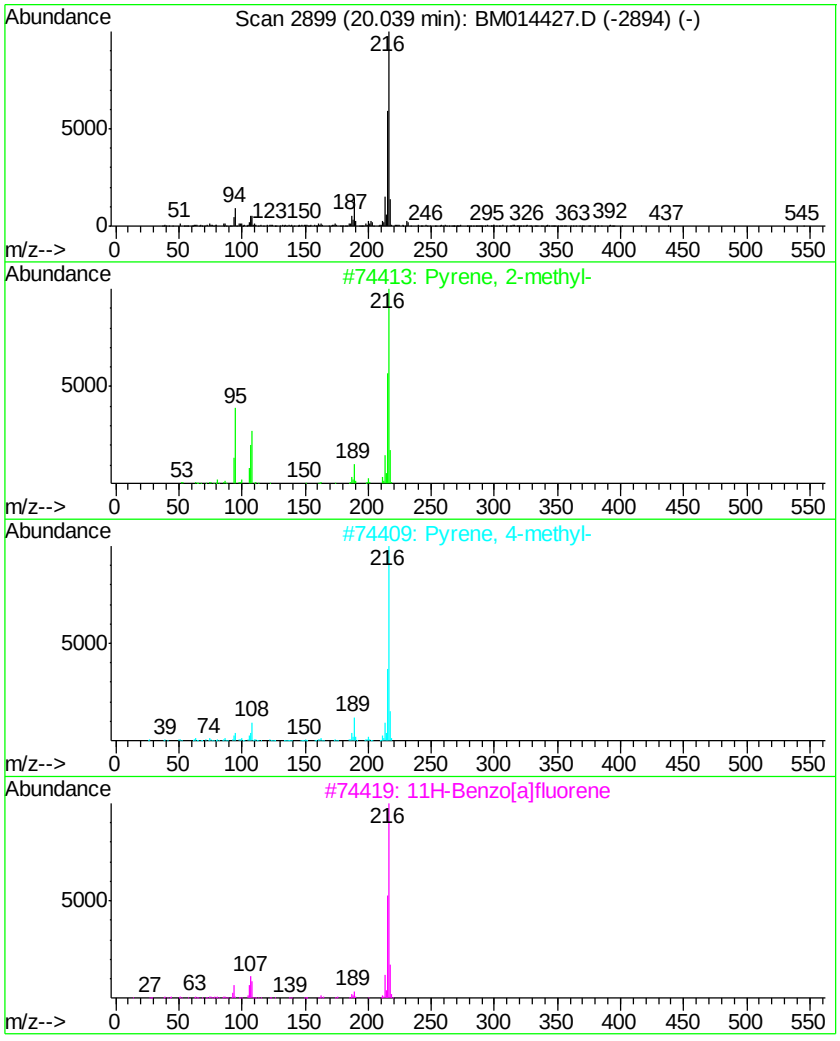
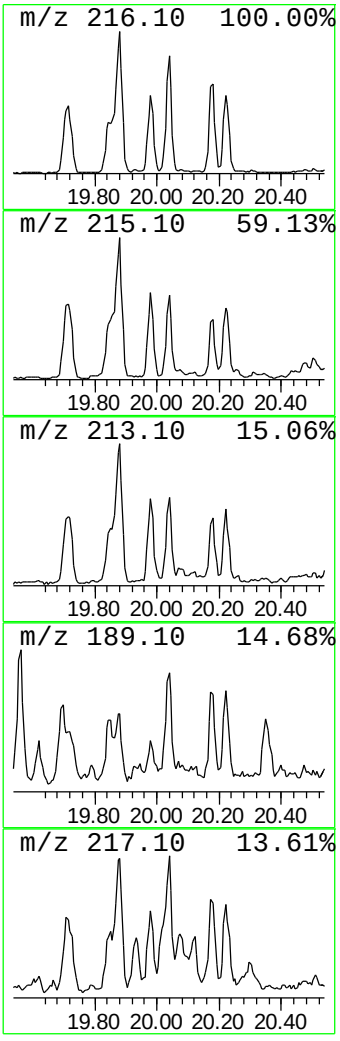
Peak Number 28 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.84 ng/ul	1296710	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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Quant Title : SVOA CALIBRATION

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

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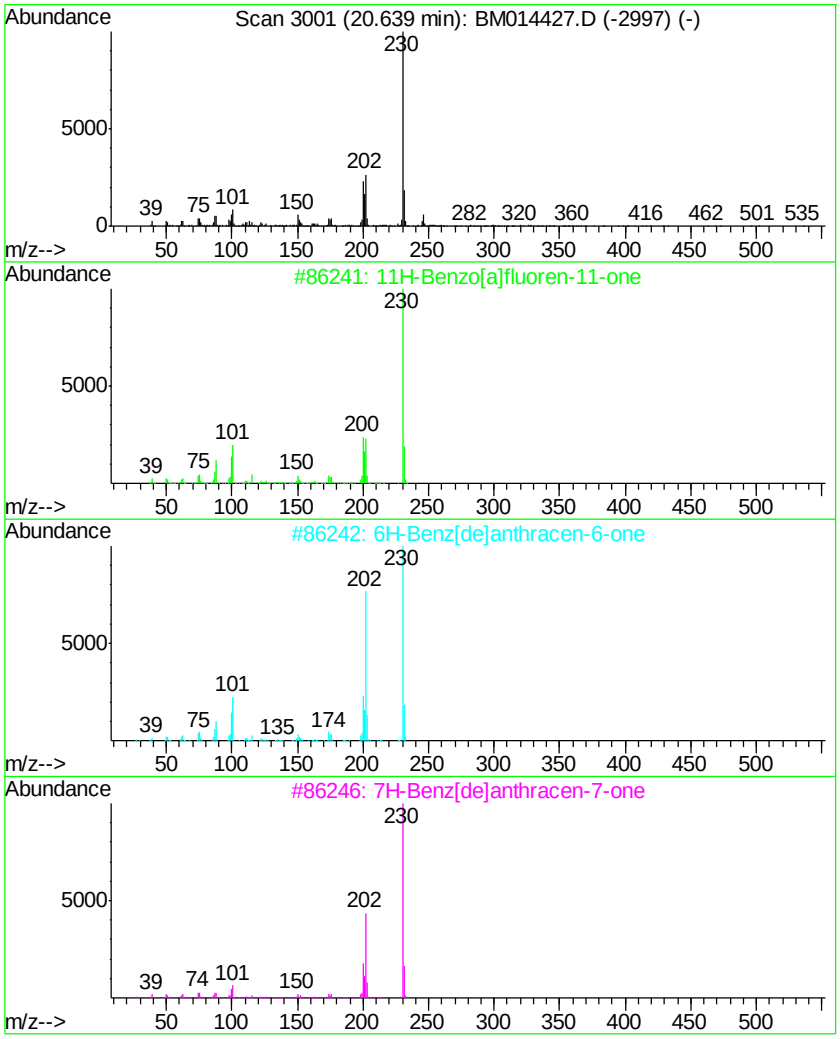
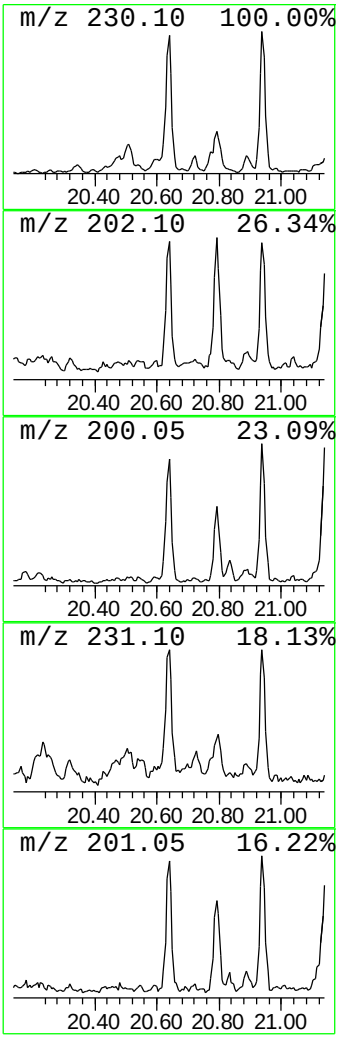
Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.62 ng/ul	1194540	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	97
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





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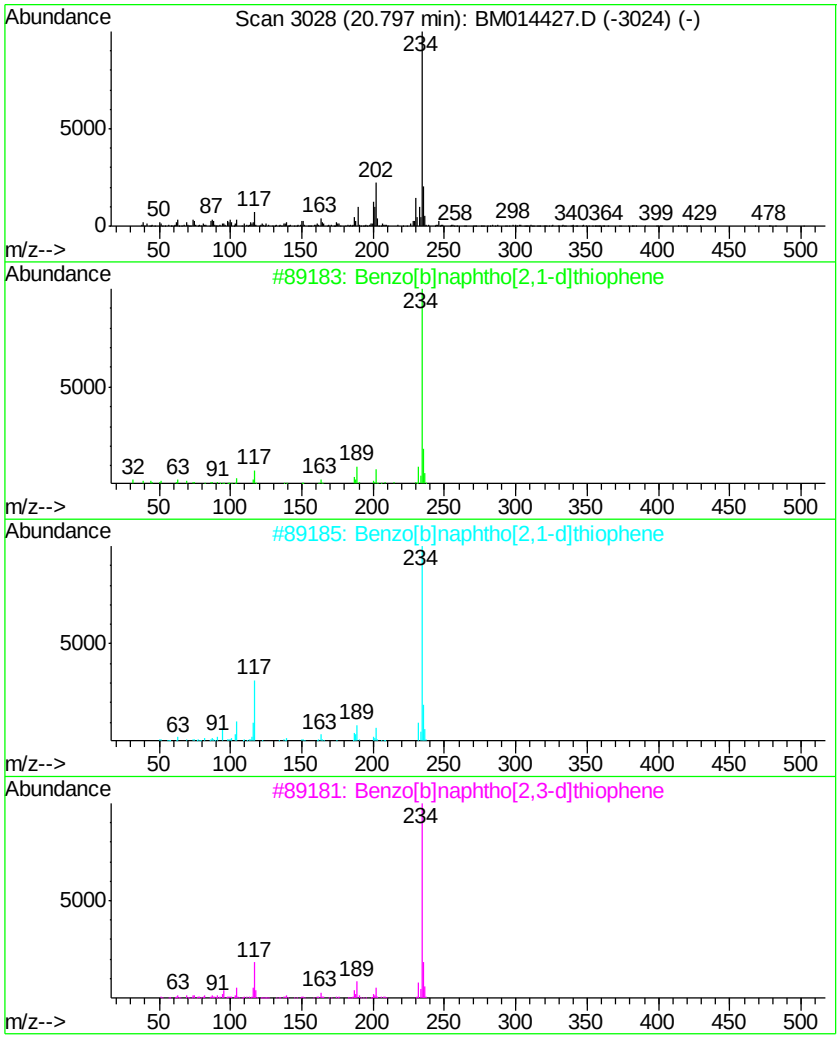
Quant Title : SVOA CALIBRATION

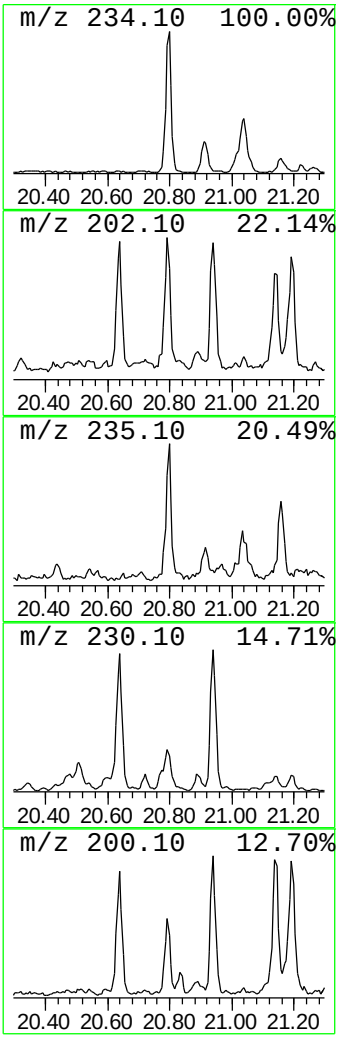
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.18 ng/ul	996109	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	68
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	68
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	53





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Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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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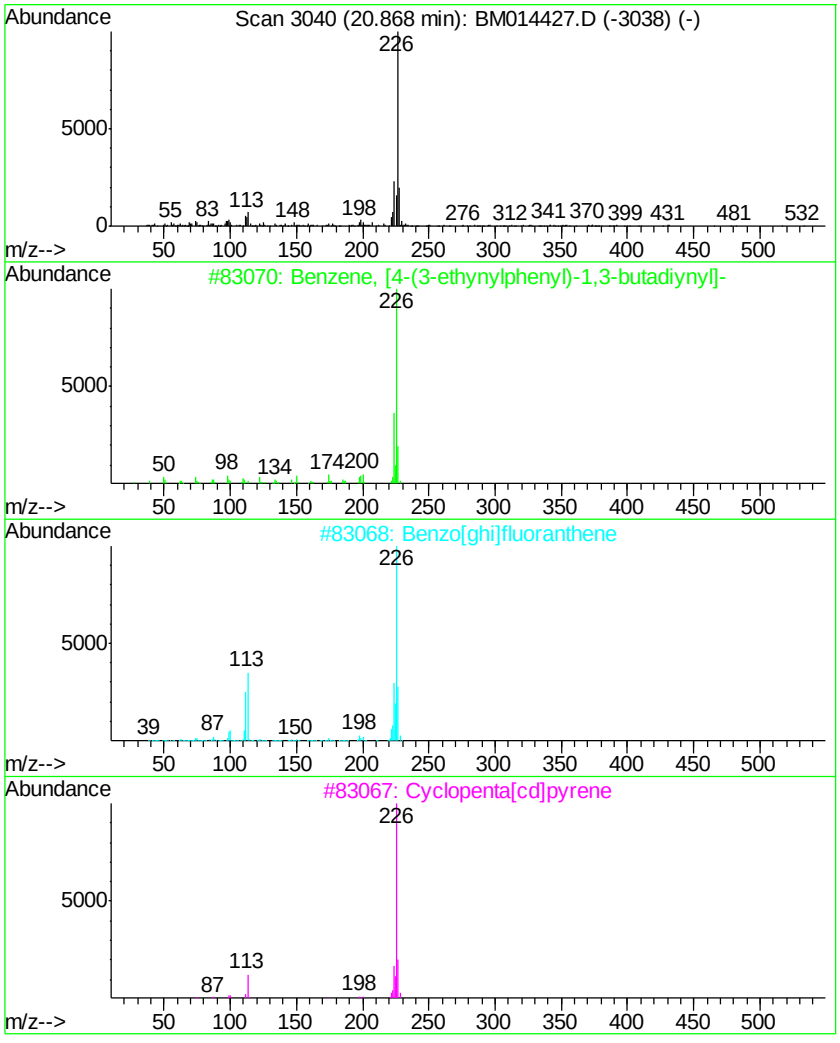
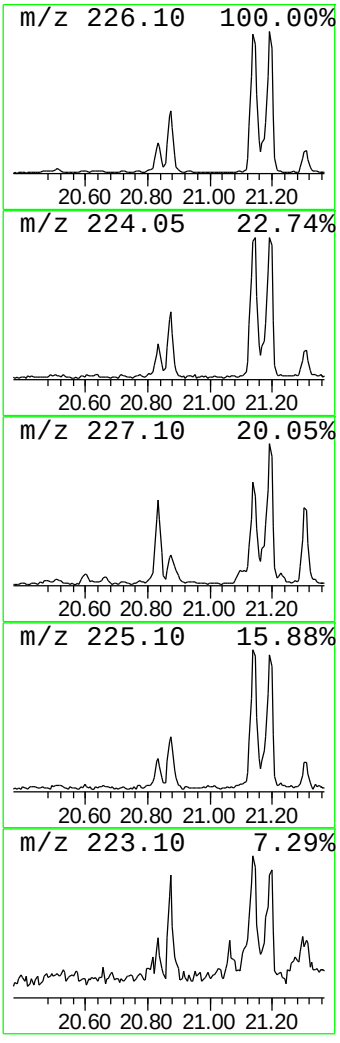
Peak Number 31 Benzene, [4-(3-ethynylpheny... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.28 ng/ul	1042710	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	49
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014427.D
Acq On : 01 Mar 2018 06:56
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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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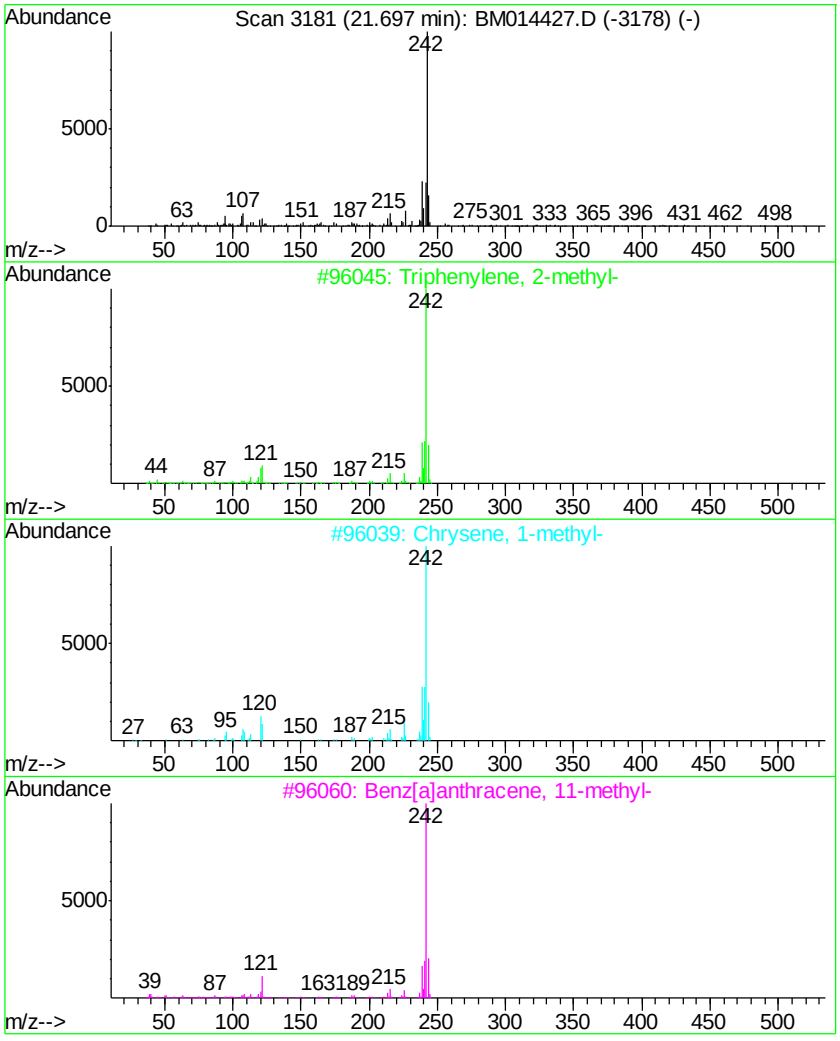
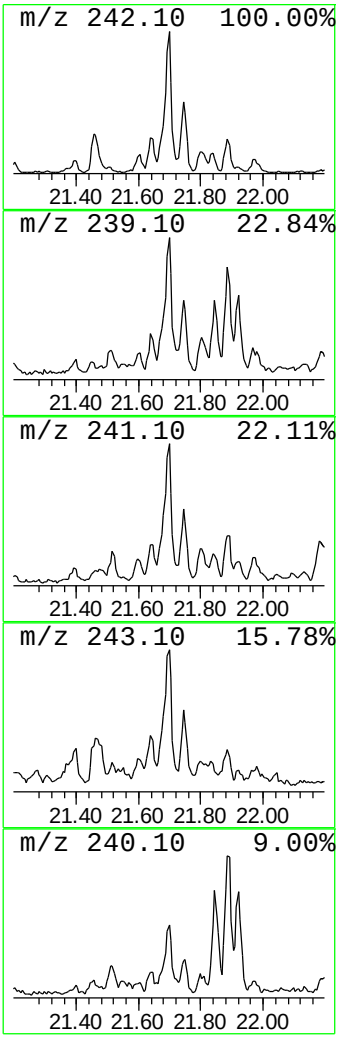
Peak Number 33 Triphenylene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.08 ng/ul	947935	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90
4	2-Methylchrysene	242	C19H14	003351-32-4	89
5	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014427.D
Acq On : 01 Mar 2018 06:56
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0

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
Naphthalene, 1-me...	12.18	3.3	ng/ul	275816	2	10.29	1689140	20.0
Naphthalene, 2,3-...	13.49	2.9	ng/ul	339372	3	14.17	2325050	20.0
9H-Fluoren-9-ol	15.53	3.0	ng/ul	353408	3	14.17	2325050	20.0
Dibenzofuran, 4-m...	15.68	2.9	ng/ul	377850	4	16.94	2656030	20.0
Chamazulene	15.92	2.3	ng/ul	308476	4	16.94	2656030	20.0
9H-Fluorene, 1-me...	16.24	2.7	ng/ul	361024	4	16.94	2656030	20.0
9H-Fluoren-9-one	16.60	4.0	ng/ul	534871	4	16.94	2656030	20.0
unknown-01	16.68	3.2	ng/ul	429169	4	16.94	2656030	20.0
Dibenzothiophene	16.76	4.8	ng/ul	637304	4	16.94	2656030	20.0
Benzo[h]quinoline	17.14	2.1	ng/ul	285504	4	16.94	2656030	20.0
Dibenzothiophene,...	17.52	3.8	ng/ul	509434	4	16.94	2656030	20.0
Phenanthrene, 1-m...	17.82	12.4	ng/ul	1646530	4	16.94	2656030	20.0
Anthracene, 2-met...	17.86	16.2	ng/ul	2157240	4	16.94	2656030	20.0
Anthracene, 1-met...	17.94	5.7	ng/ul	757671	4	16.94	2656030	20.0
4H-Cyclopenta[def...	18.00	20.6	ng/ul	2732780	4	16.94	2656030	20.0
1H-Cyclopropa[l]p...	18.04	7.8	ng/ul	1038460	4	16.94	2656030	20.0
Naphthalene, 2-ph...	18.32	6.9	ng/ul	922283	4	16.94	2656030	20.0
9,10-Anthracenedione	18.38	8.0	ng/ul	1055800	4	16.94	2656030	20.0
Phenanthrene, 4,5...	18.57	2.5	ng/ul	332638	4	16.94	2656030	20.0
di-p-Tolylacetylene	18.62	2.5	ng/ul	332415	4	16.94	2656030	20.0
Naphthalene, 1,2-...	18.66	2.4	ng/ul	314520	4	16.94	2656030	20.0
unknown-02	18.80	5.9	ng/ul	779120	4	16.94	2656030	20.0
Cyclopenta(def)ph...	18.90	8.2	ng/ul	1081760	4	16.94	2656030	20.0
Pyrene, 1-methyl-	19.71	3.3	ng/ul	1519830	5	21.16	9133140	20.0
11H-Benzo[a]fluorene	19.88	3.0	ng/ul	1345740	5	21.16	9133140	20.0
Pyrene, 2-methyl-	20.04	2.8	ng/ul	1296710	5	21.16	9133140	20.0
11H-Benzo[a]fluor...	20.64	2.6	ng/ul	1194540	5	21.16	9133140	20.0
Benzo[b]naphtho[2...	20.80	2.2	ng/ul	996109	5	21.16	9133140	20.0
Benzene, [4-(3-et...	20.87	2.3	ng/ul	1042710	5	21.16	9133140	20.0
Triphenylene, 2-m...	21.70	2.1	ng/ul	947935	5	21.16	9133140	20.0