LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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	6.728	630	636	648	rBV	464141	959991	12.74%	0.976%
2	6.863	654	659	670	rVB	385655	608812	8.08%	0.619%
3	7.057	686	692	700	rBV	578002	944723	12.53%	0.960%
4	7.510	763	769	779	rVB	426680	681039	9.04%	0.692%
5	8.245	888	894	905	rBV	602979	1137017	15.08%	1.156%
6	8.675	960	967	980	rBV	582618	1033311	13.71%	1.050%
7	9.392	1081	1089	1101	rBV	516162	991184	13.15%	1.008%
8	9.698	1135	1141	1147	rBV3	80627	135920	1.80%	0.138%
9	9.939	1174	1182	1198	rBV	559572	1378970	18.29%	1.402%
10	10.281	1230	1240	1246	rBV	605006	1035614	13.74%	1.053%
11	10.333	1246	1249	1256	rVB	72096	112364	1.49%	0.114%
12	10.451	1263	1269	1290	rBV	285874	721847	9.58%	0.734%
13	12.186	1558	1564	1572	rVB2	52906	95674	1.27%	0.097%
14	13.333	1751	1759	1768	rBV7	32161	89509	1.19%	0.091%
15	13.486	1780	1785	1791	rBV2	77078	151874	2.01%	0.154%
16	13.598	1798	1804	1809	rVV	1469939	2102316	27.89%	2.137%
17	13.645	1809	1812	1817	rVB	239973	316970	4.21%	0.322%
18	13.863	1840	1849	1863	rBV	1602691	2669221	35.41%	2.714%
19	14.069	1879	1884	1889	rBV2	101112	133903	1.78%	0.136%
20	14.174	1889	1902	1908	rVV2	917906	1499251	19.89%	1.524%
21	14.239	1908	1913	1922	rVB	257571	394423	5.23%	0.401%
22	14.380	1932	1937	1946	rVB2	146706	257653	3.42%	0.262%
23	14.480	1946	1954	1966	rBV2	364815	1006471	13.35%	1.023%
24	14.580	1967	1971	1979	rVB	138890	259703	3.45%	0.264%
25	14.804	1997	2009	2014	rBV6	45826	107013	1.42%	0.109%
26	14.974	2031	2038	2041	rBV6	43433	96319	1.28%	0.098%
27	15.021	2041	2046	2058	rVB2	332050	550037	7.30%	0.559%
28	15.133	2060	2065	2068	rBV6	77870	125966	1.67%	0.128%
29	15.180	2068	2073	2078	rVV	1956072	2675227	35.49%	2.720%
30	15.239	2078	2083	2094	rVB	280404	510494	6.77%	0.519%
31	15.357	2094	2103	2108	rBV	672869	1091262	14.48%	1.109%
32	15.533	2128	2133	2141	rVB	98456	183173	2.43%	0.186%
33	15.680	2155	2158	2165	rVB3	92163	174239	2.31%	0.177%
34	15.774	2165	2174	2181	rVB9	33606	90596	1.20%	0.092%

LSC Area Percent Report

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Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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	15.898	2189	2195	2197	rBV3	77833	128482	1.70%	0.131%
36	16.245	2252	2254	2259	rVV2	91478	116453	1.54%	0.118%
37	16.298	2259	2263	2268	rVB3	67486	97216	1.29%	0.099%
38	16.474	2284	2293	2296	rBV4	93917	198222	2.63%	0.202%
39	16.604	2310	2315	2321	rBV	178757	276059	3.66%	0.281%
40	16.692	2322	2330	2337	rVV7	130722	341111	4.53%	0.347%
41	16.757	2337	2341	2349	rVB2	204135	316371	4.20%	0.322%
42	16.939	2365	2372	2375	rBV	1119095	1605787	21.30%	1.632%
43	16.986	2375	2380	2384	rVV	3741437	5180291	68.73%	5.266%
44	17.039	2384	2389	2393	rVV	2077340	3077471	40.83%	3.129%
45	17.074	2393	2395	2401	rVV	726274	814692	10.81%	0.828%
46	17.145	2405	2407	2412	rVB	75037	89936	1.19%	0.091%
47	17.362	2434	2444	2449	rBV2	300320	653762	8.67%	0.665%
48	17.457	2457	2460	2465	rBV2	77395	109576	1.45%	0.111%
49	17.521	2467	2471	2479	rVB3	102312	248120	3.29%	0.252%
50	17.662	2489	2495	2500	rVB6	74409	151682	2.01%	0.154%
51	17.751	2503	2510	2512	rBV6	52785	100620	1.33%	0.102%
52	17.815	2516	2521	2524	rVV	592607	866094	11.49%	0.880%
53	17.862	2524	2529	2535	rVV	791746	1443161	19.15%	1.467%
54	17.945	2535	2543	2548	rVV2	243557	404056	5.36%	0.411%
55	18.009	2548	2554	2558	rVV3	803855	1444883	19.17%	1.469%
56	18.051	2558	2561	2567	rVB	423545	577660	7.66%	0.587%
57	18.127	2570	2574	2579	rBV5	101512	199786	2.65%	0.203%
58	18.321	2603	2607	2613	rBV	364983	507339	6.73%	0.516%
59	18.386	2613	2618	2624	rVB	419740	607977	8.07%	0.618%
60	18.568	2642	2649	2655	rBV3	157331	388520	5.15%	0.395%
61	18.621	2655	2658	2662	rVV	166462	217160	2.88%	0.221%
62	18.662	2662	2665	2669	rVB	121459	152995	2.03%	0.156%
63	18.745	2674	2679	2683	rBV	398061	638504	8.47%	0.649%
64	18.809	2687	2690	2693	rVB2	142214	184204	2.44%	0.187%
65	18.904	2699	2706	2710	rBV3	318150	639474	8.48%	0.650%
66	18.945	2710	2713	2718	rVB	418773	515897	6.84%	0.524%
67	19.021	2719	2726	2732	rBV	5691542	7537516	100.00%	7.663%
68	19.115	2739	2742	2744	rBV4	131254	156315	2.07%	0.159%
69	19.256	2760	2766	2771	rBV3	284129	520882	6.91%	0.530%
70	19.356	2777	2783	2785	rBV3	2697191	4112287	54.56%	4.181%
71	19.386	2785	2788	2796	rVV	5133092	6362686	84.41%	6.469%

LSC Area Percent Report

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Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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

72	19.456	2796	2800	2807	rVB2	278288	464462	6.16%	0.472%
73	19.568	2815	2819	2825	rVB2	207264	321315	4.26%	0.327%
74	19.633	2827	2830	2835	rVB2	187443	285443	3.79%	0.290%
75	19.715	2838	2844	2851	rBV4	435177	958707	12.72%	0.975%
76	19.851	2861	2867	2868	rBV3	306133	449957	5.97%	0.457%
77	19.886	2869	2873	2877	rVB	722417	1082003	14.35%	1.100%
78	19.986	2886	2890	2893	rBV	328908	427566	5.67%	0.435%
79	20.039	2894	2899	2903	rVV2	447084	709327	9.41%	0.721%
80	20.180	2920	2923	2927	rBV	281550	370665	4.92%	0.377%
81	20.227	2927	2931	2935	rVV2	324578	433163	5.75%	0.440%
82	20.645	2998	3002	3007	rBV	509972	633191	8.40%	0.644%
83	20.803	3025	3029	3032	rBV	468735	602347	7.99%	0.612%
84	20.839	3032	3035	3037	rVV	391533	520900	6.91%	0.530%
85	20.862	3037	3039	3049	rVV4	533642	1149021	15.24%	1.168%
86	20.945	3050	3053	3058	rVB	538650	666149	8.84%	0.677%
87	21.068	3070	3074	3078	rVB	1614957	1676604	22.24%	1.704%
88	21.145	3082	3087	3093	rVV2	2586417	5108674	67.78%	5.194%
89	21.197	3093	3096	3101	rVB	2219347	2508575	33.28%	2.550%
90	21.309	3112	3115	3119	rBV	286824	336149	4.46%	0.342%
91	21.374	3124	3126	3129	rBV2	199073	263351	3.49%	0.268%
92	21.703	3179	3182	3186	rVV	318652	345497	4.58%	0.351%
93	21.750	3186	3190	3194	rVB2	465392	592213	7.86%	0.602%
94	22.650	3340	3343	3346	rBV	393755	518083	6.87%	0.527%
95	22.703	3346	3352	3363	rVB	1751481	4729824	62.75%	4.808%
96	23.156	3424	3429	3433	rBV	830441	1485234	19.70%	1.510%
97	23.209	3434	3438	3441	rVV	1051773	1732232	22.98%	1.761%
98	23.256	3441	3446	3454	rVB	1409292	2497110	33.13%	2.539%
99	23.344	3457	3461	3465	rBV	447165	679297	9.01%	0.691%
100	26.197	3941	3946	3956	rVB	567988	1511732	20.06%	1.537%

Sum of corrected areas: 98364124

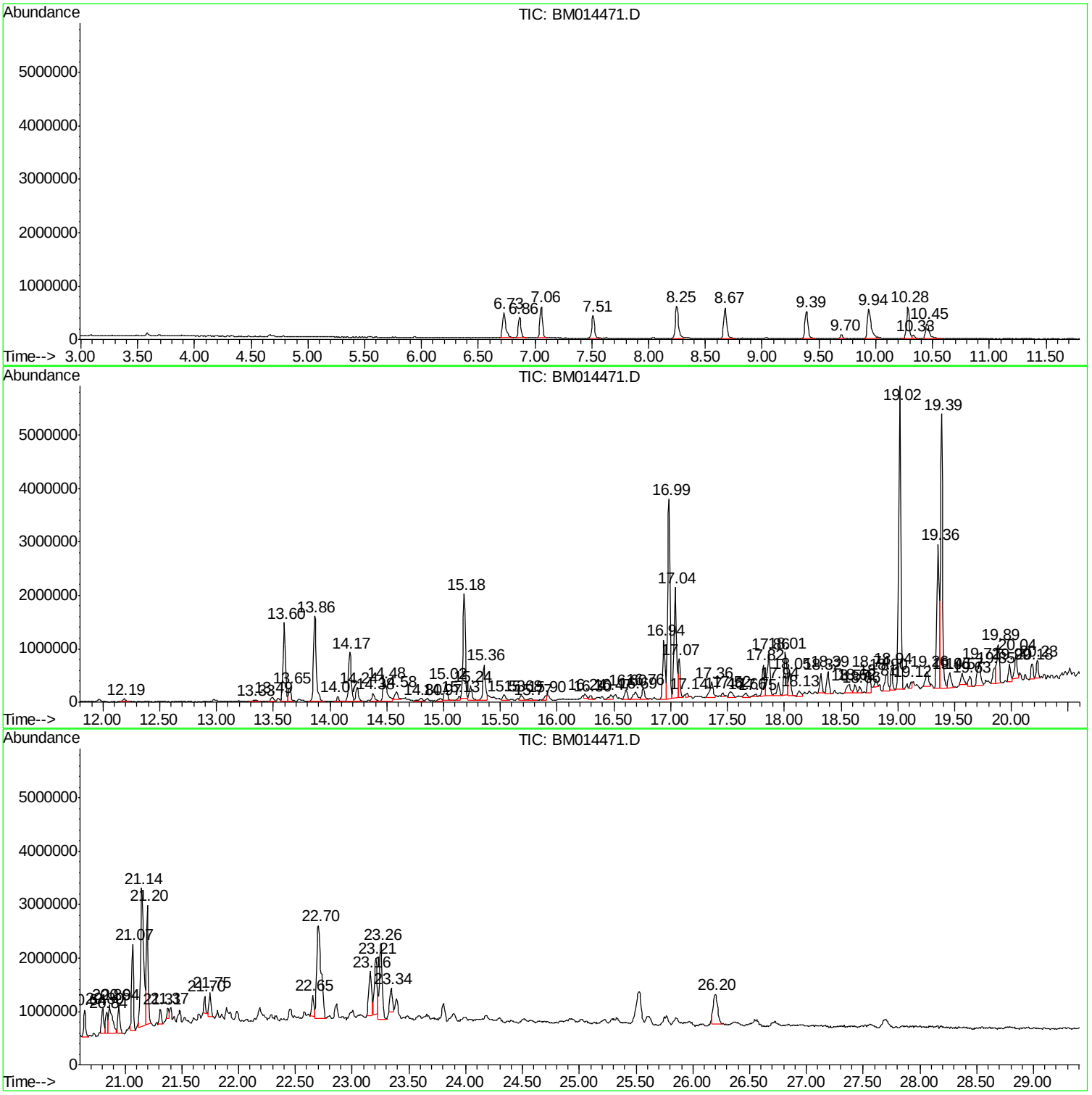
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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 : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Acq On : 05 Mar 2018 13:59
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

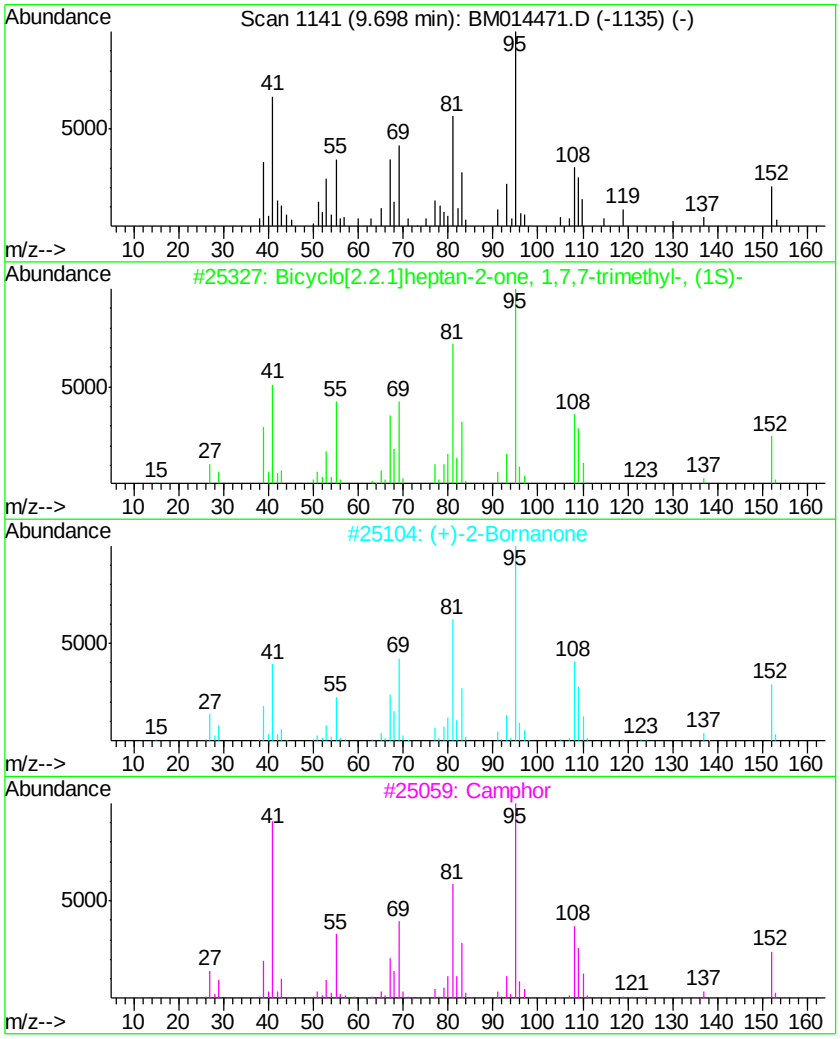
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

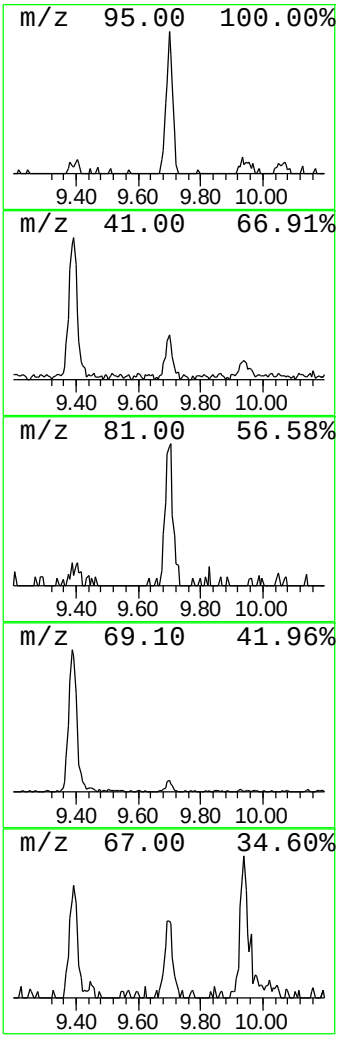
****

Peak Number 1 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	2.62 ng/ul	135920	Naphthalene-d8	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	93
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	90
3	Camphor	152	C10H16O	000076-22-2	90
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	89
5	Camphor	152	C10H16O	000076-22-2	89





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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

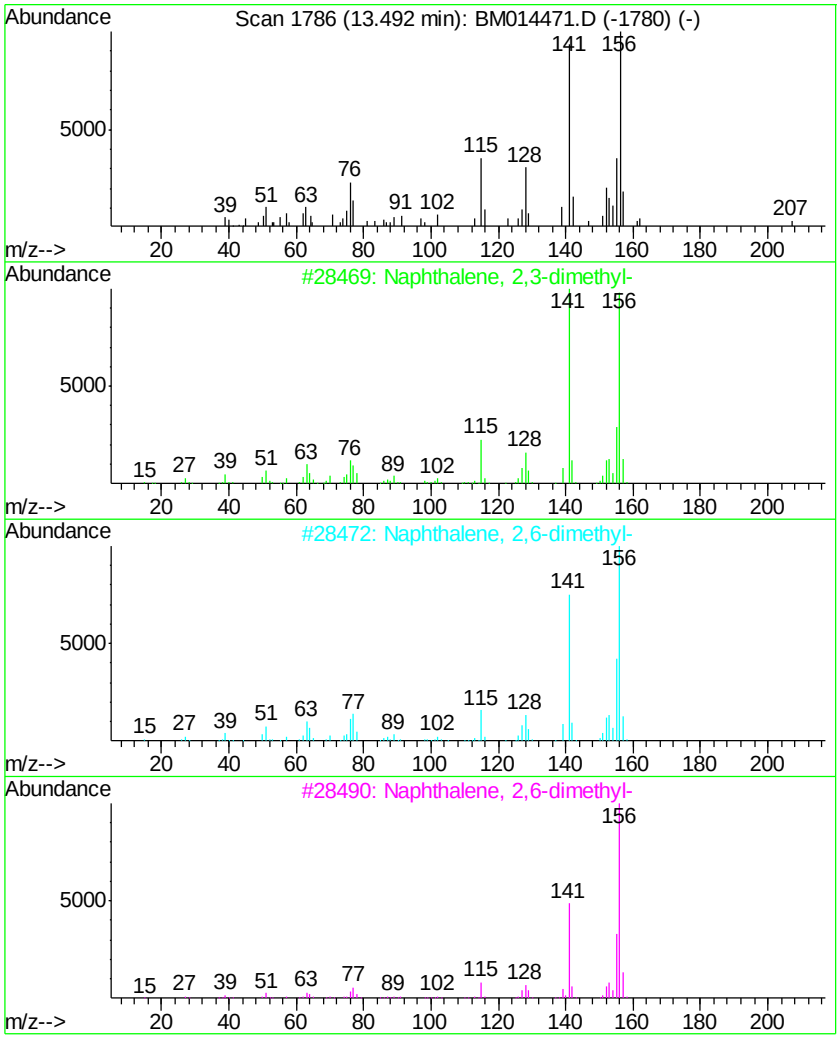
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

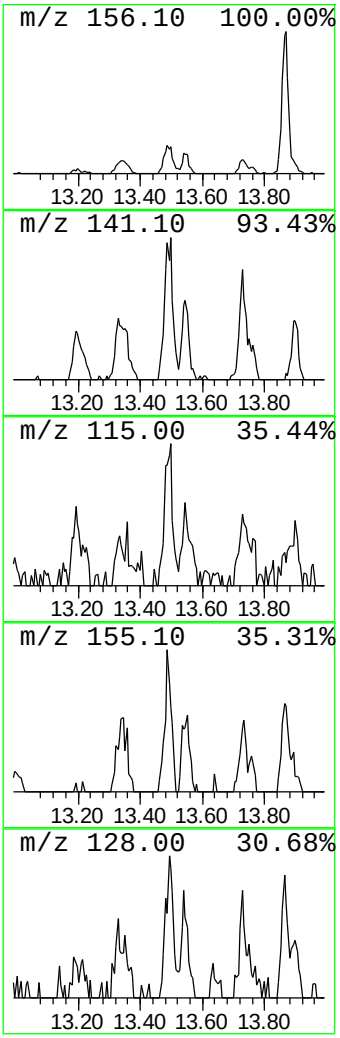
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.03 ng/ul	151874	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





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Sample : J1678-07
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Instrument : BNA_M
ClientSampleId : BE5T7

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

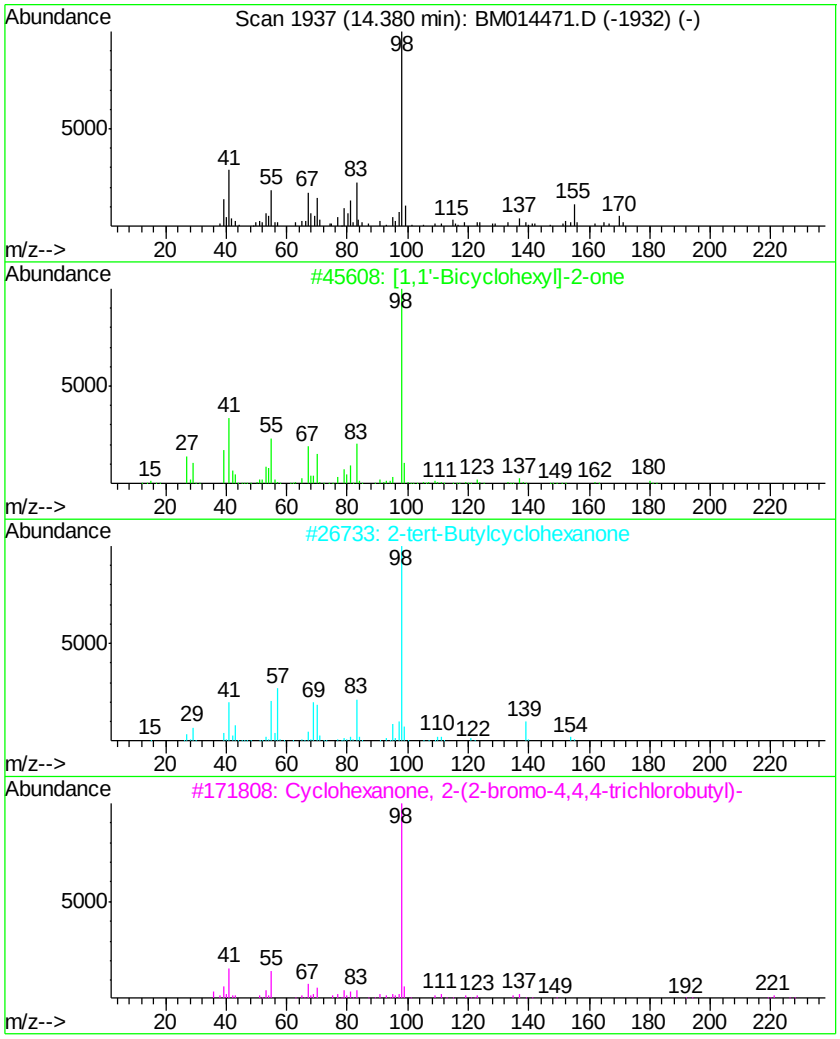
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

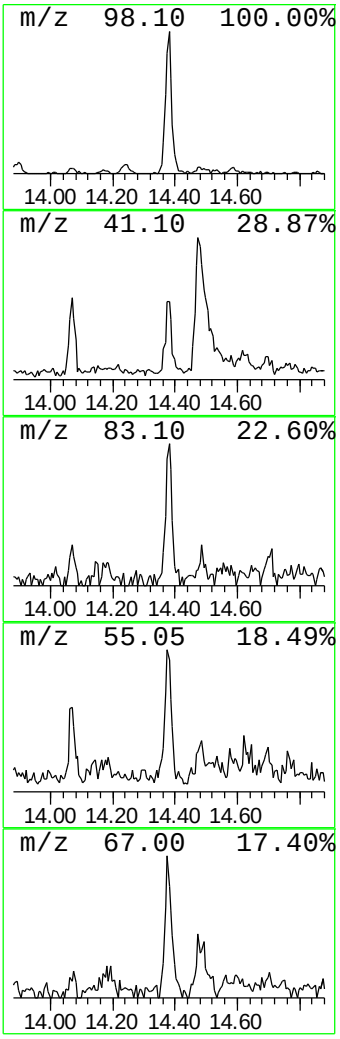
****

Peak Number 3 [1,1'-Bicyclohexyl]-2-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	3.44 ng/ul	257653	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Bicyclohexyl]-2-one	180	C12H20O	000090-42-6	72
2	2-tert-Butylcyclohexanone	154	C10H18O	001728-46-7	59
3	Cyclohexanone, 2-(2-bromo-4,4,4-...	334	C10H14BrCl3O	097250-47-0	53
4	[1,1'-Bicyclohexyl]-2-one	180	C12H20O	000090-42-6	53
5	2-tert-Butylcyclohexanone	154	C10H18O	001728-46-7	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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

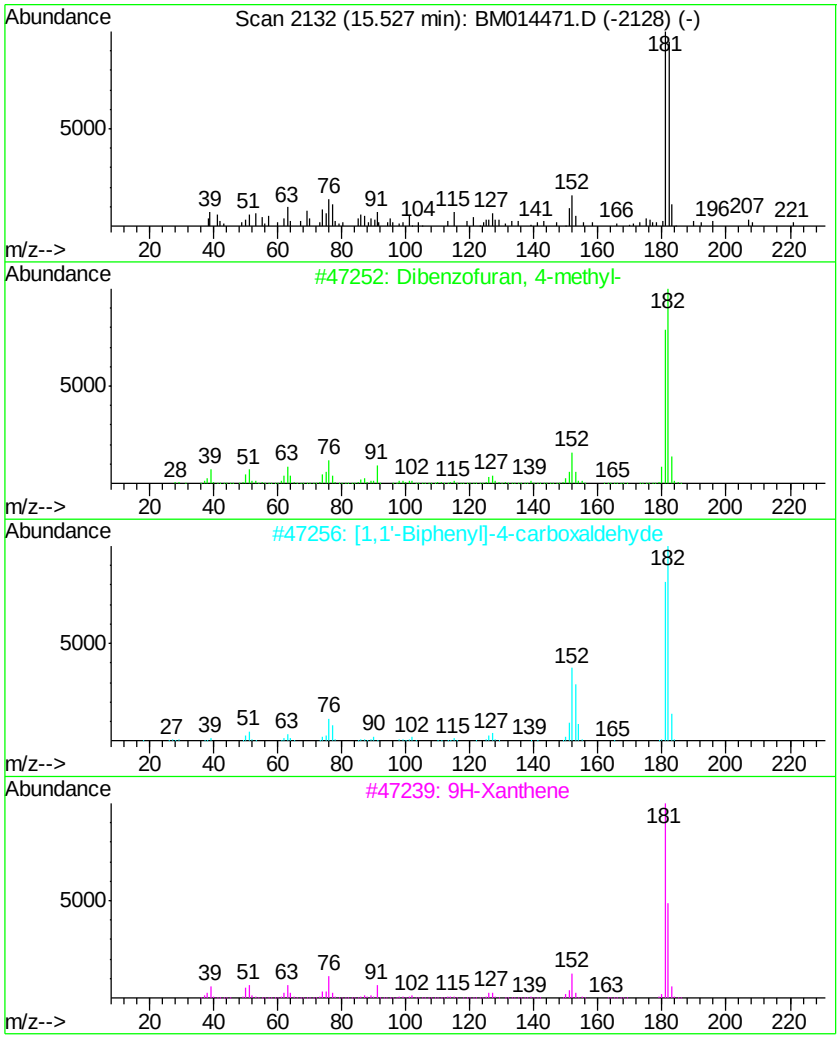
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

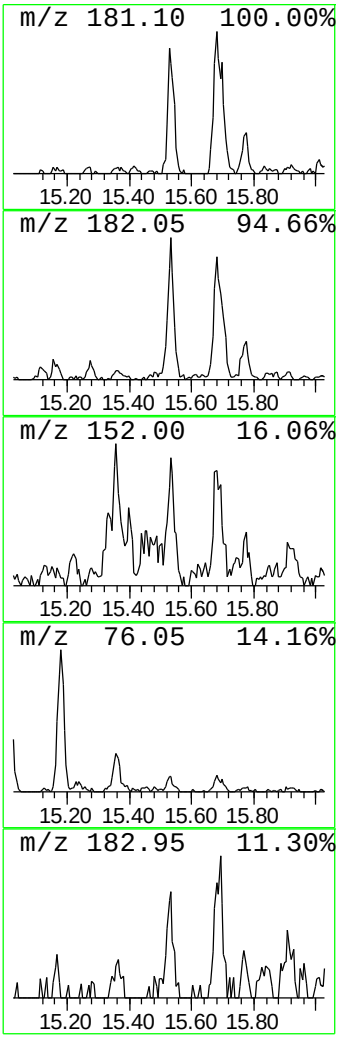
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.44 ng/ul	183173	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	95
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
3	9H-Xanthene	182	C13H10O	000092-83-1	64
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	59





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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

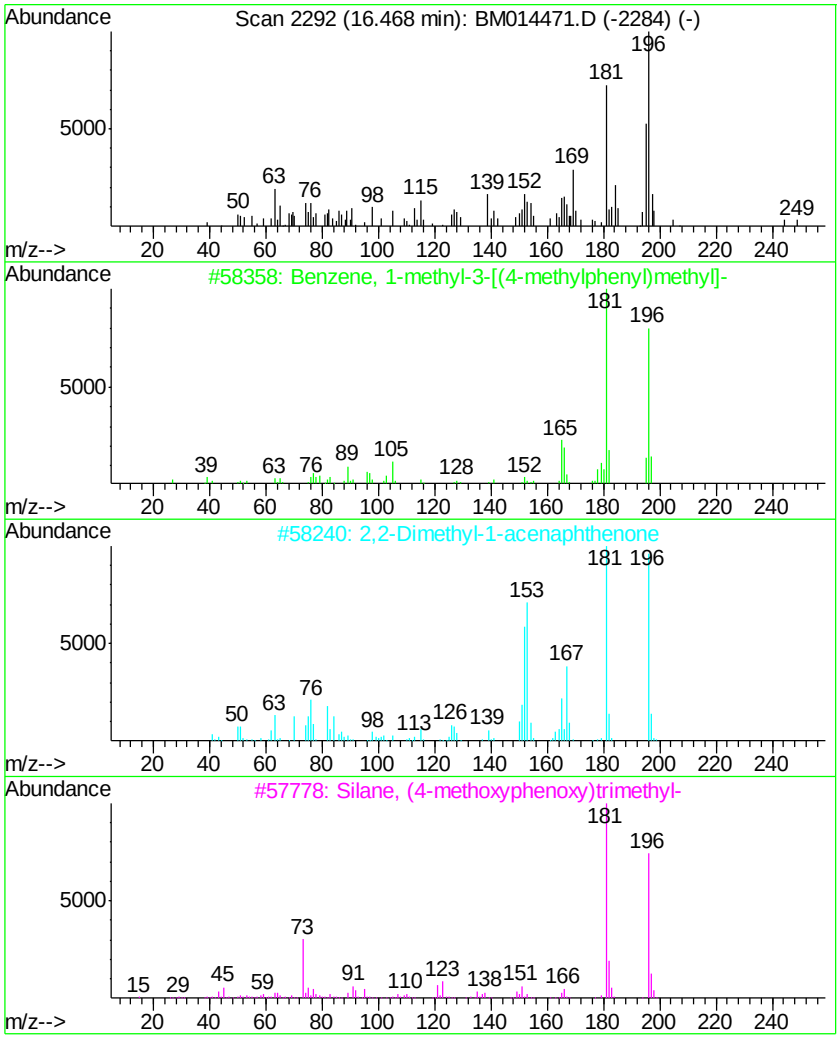
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

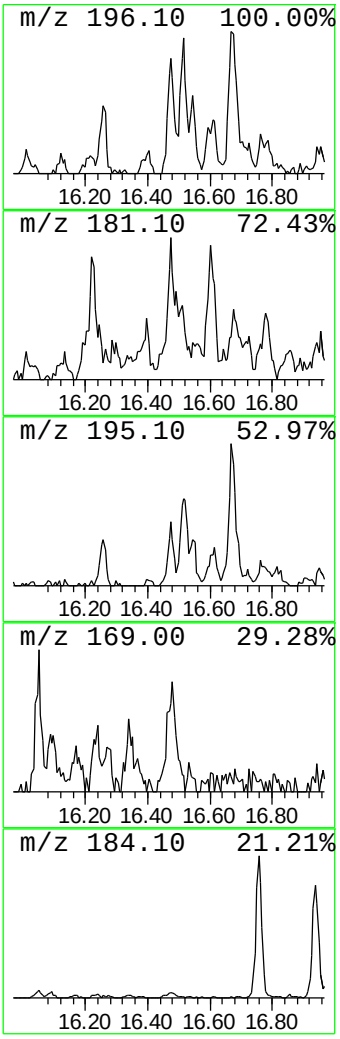
****

Peak Number 6 Benzene, 1-methyl-3-[(4-met... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.47 ng/ul	198222	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	62
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
3	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	52
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43





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Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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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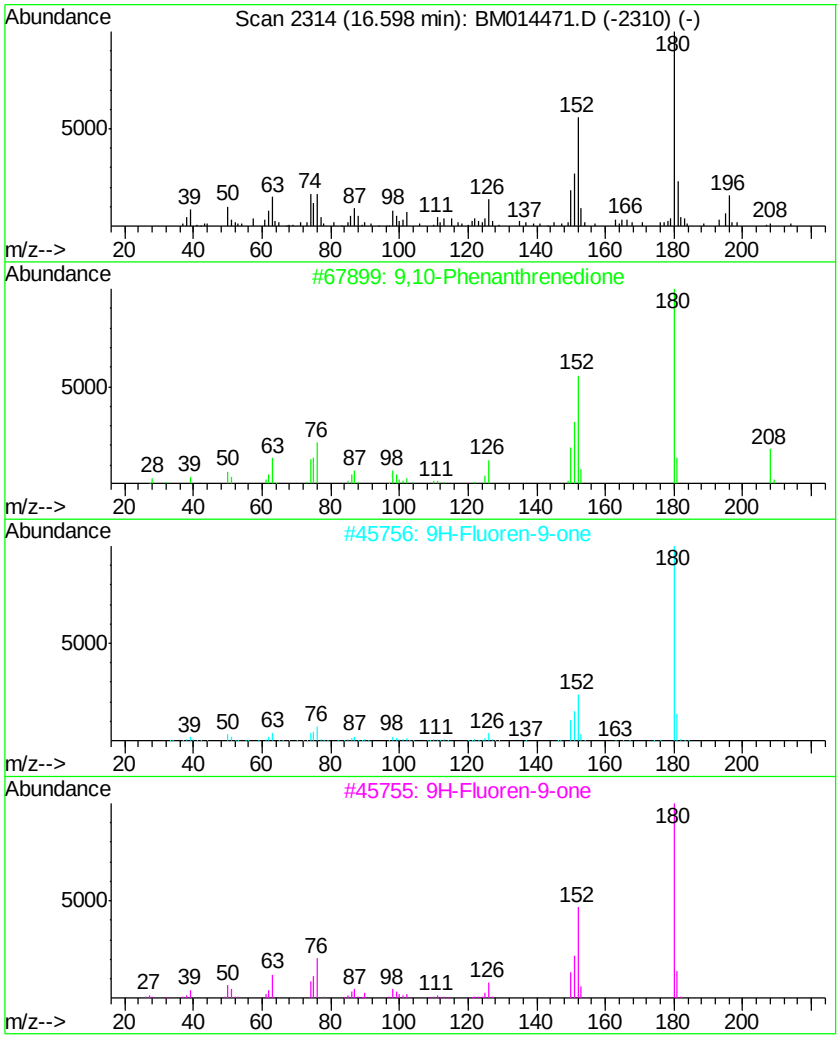
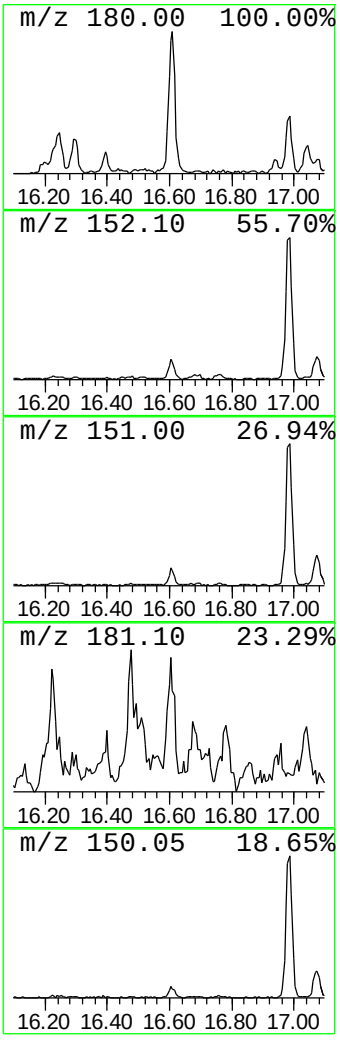
Peak Number 7 9,10-Phenanthrenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	3.44 ng/ul	276059	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	87
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	72





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Sample : J1678-07
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Instrument : BNA_M
ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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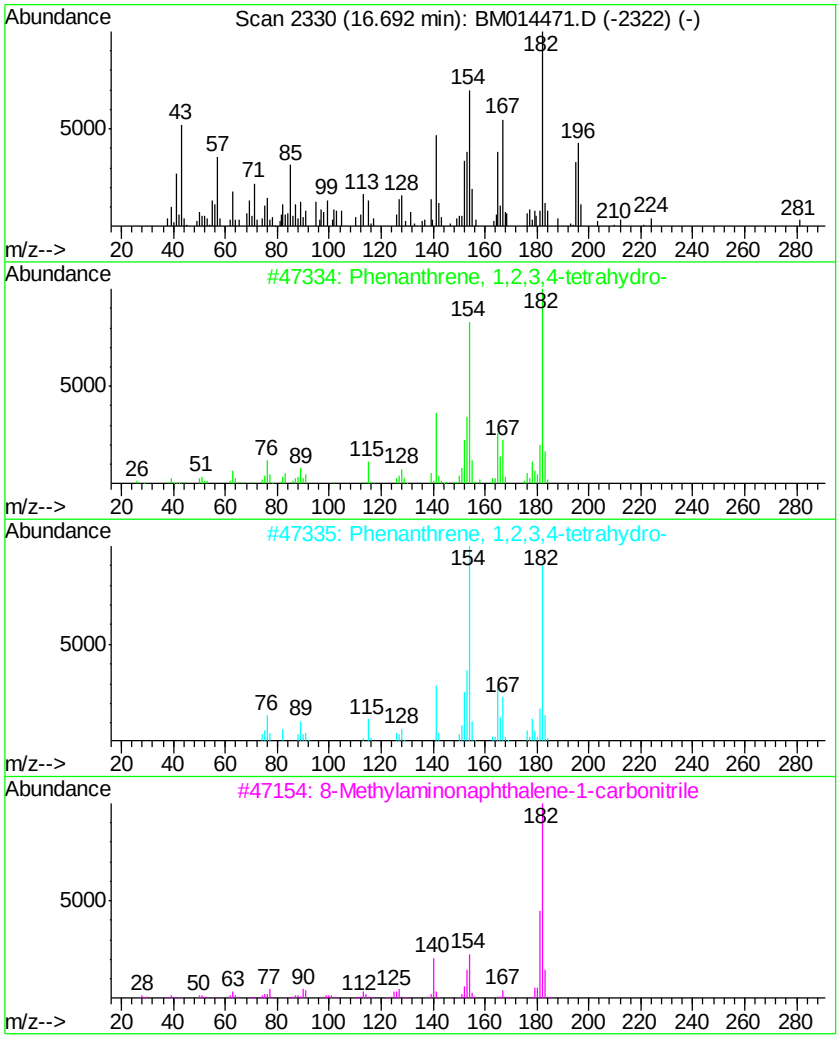
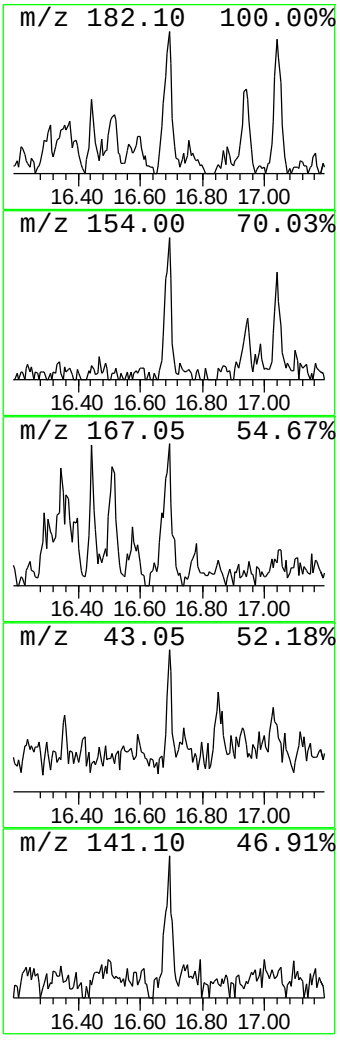
Peak Number 8 Phenanthrene, 1,2,3,4-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	4.25 ng/ul	341111	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	64
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	60
3	8-Methylaminonaphthalene-1-carbo...	182	C12H10N2	1000187-15-2	43
4	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	43
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	35





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ALS Vial : 5 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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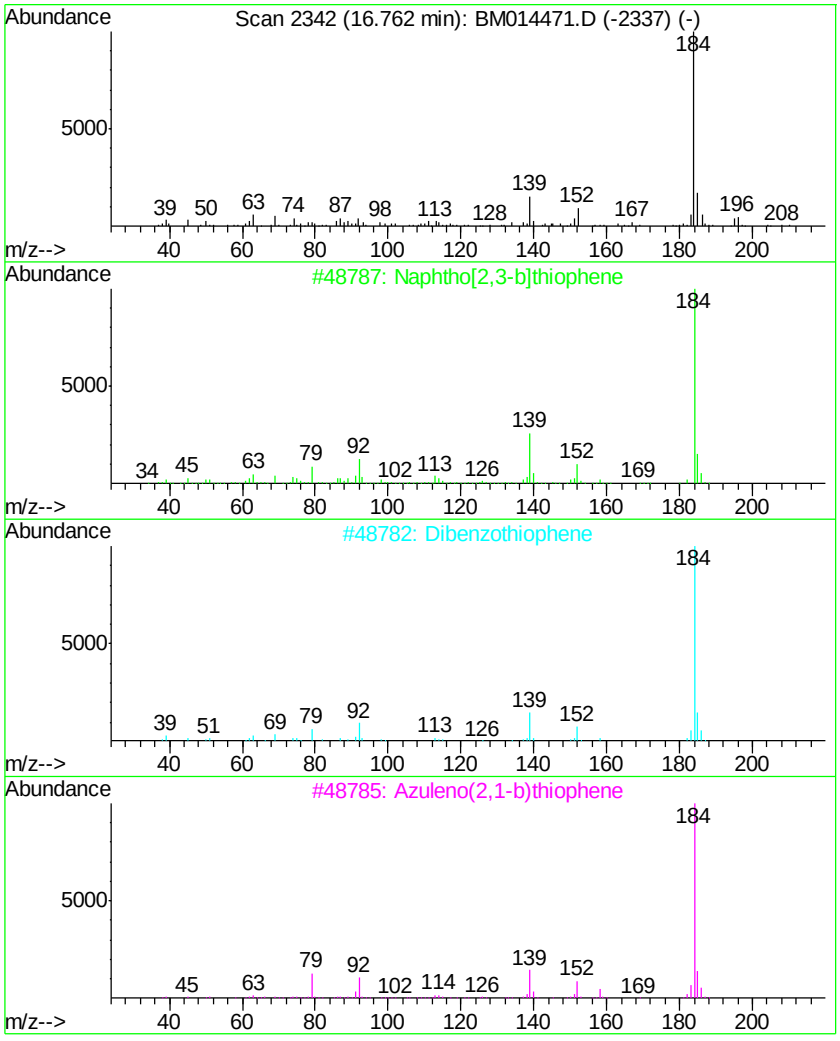
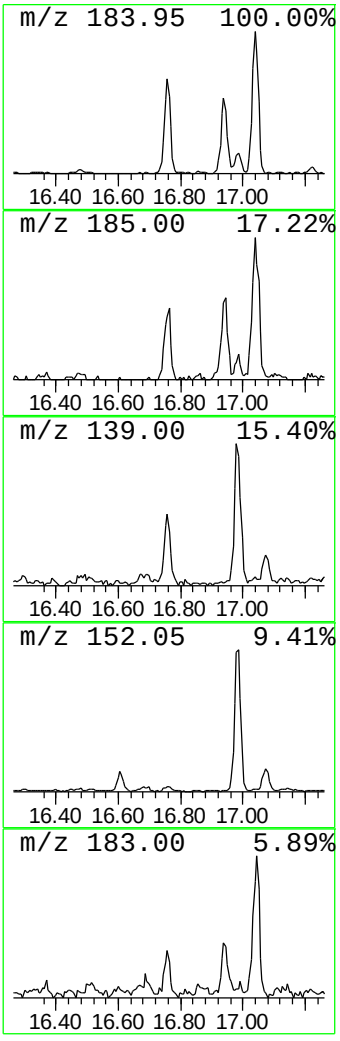
Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.94 ng/ul	316371	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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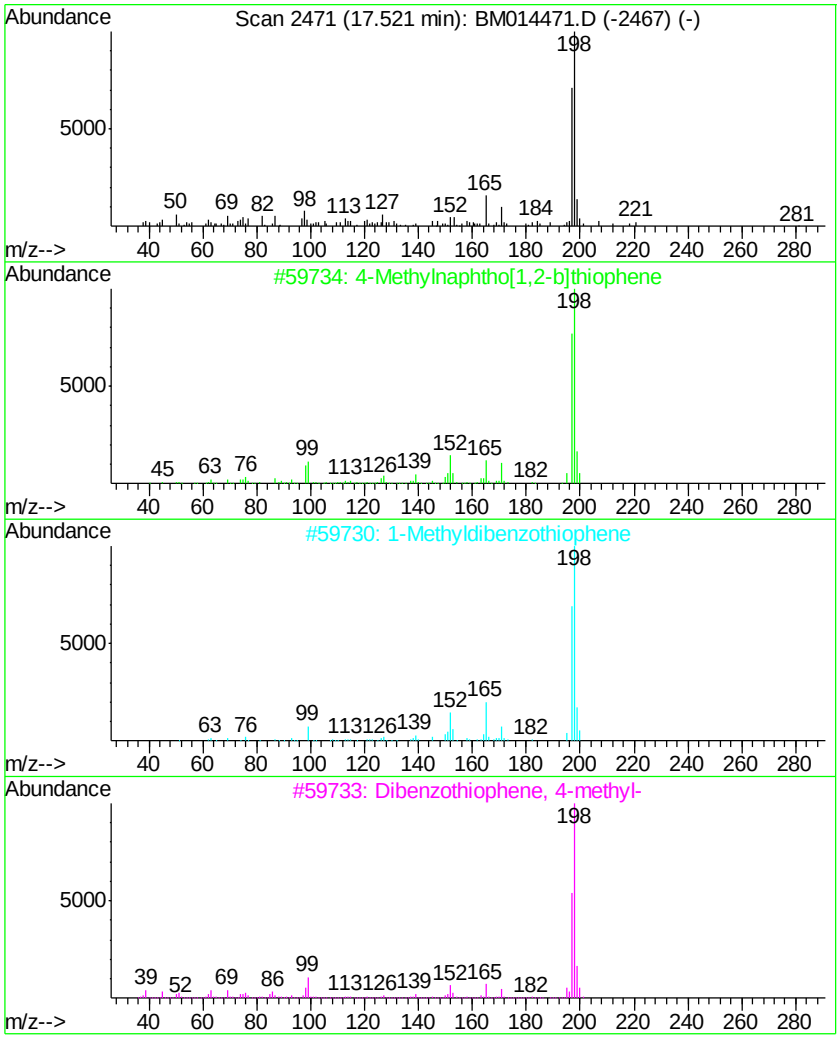
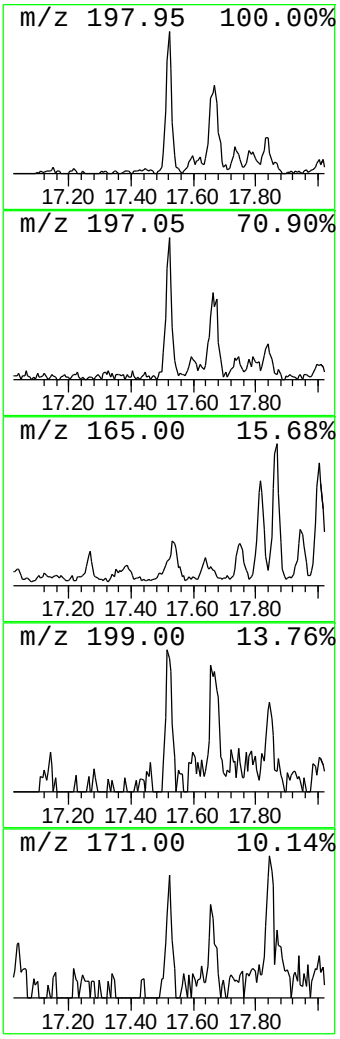
Peak Number 10 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.09 ng/ul	248120	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Quant Title : SVOA CALIBRATION

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

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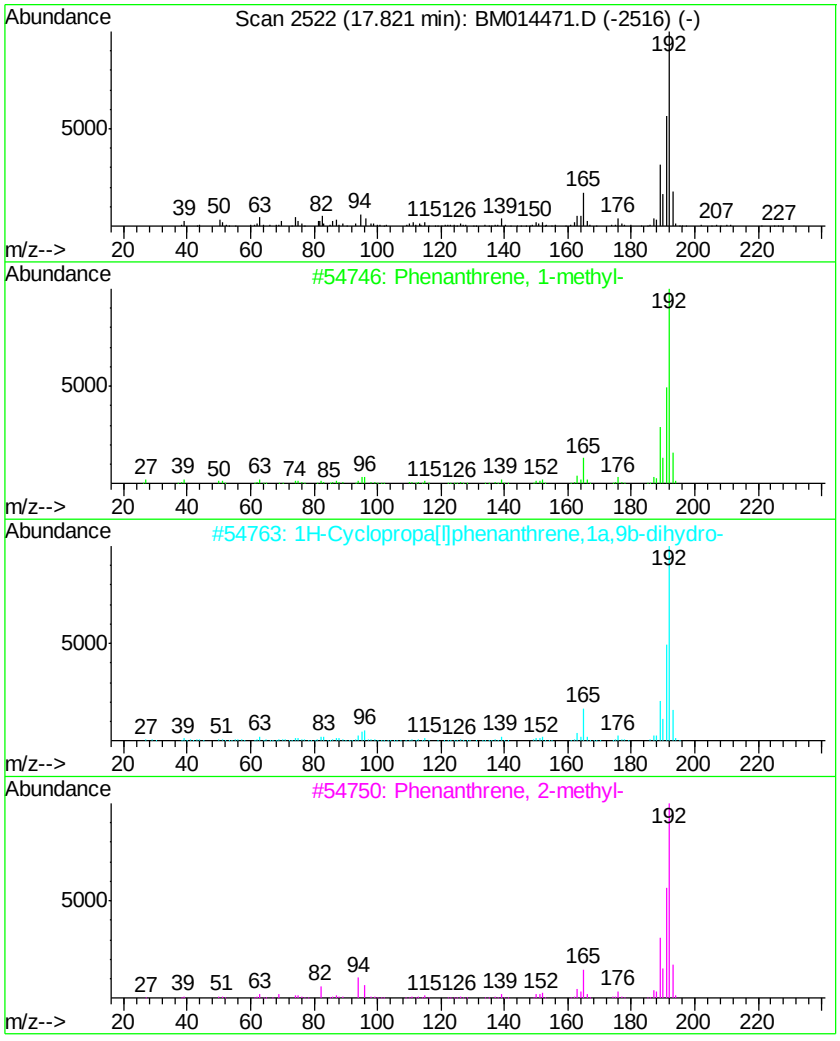
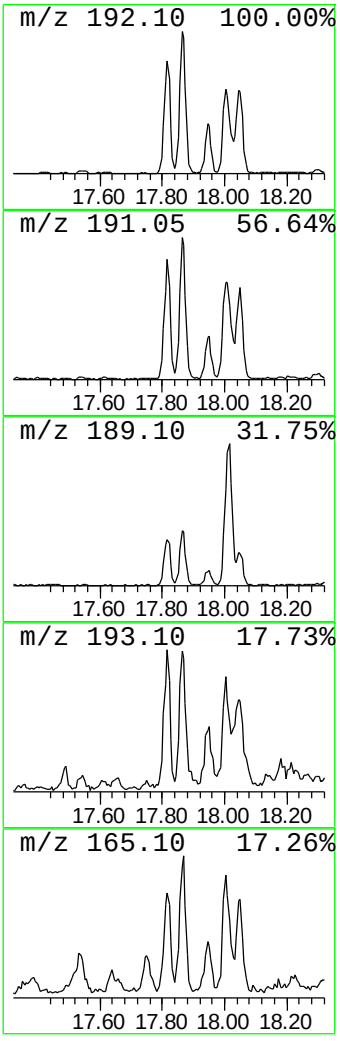
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	10.79 ng/ul	866094	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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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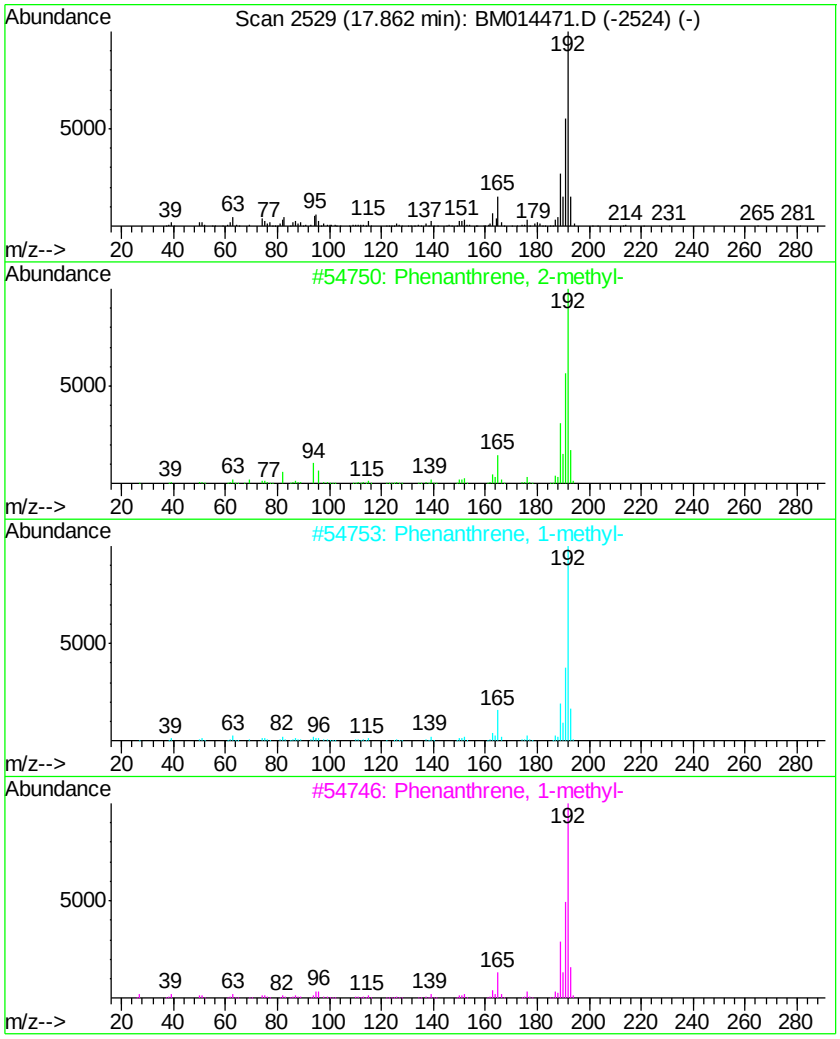
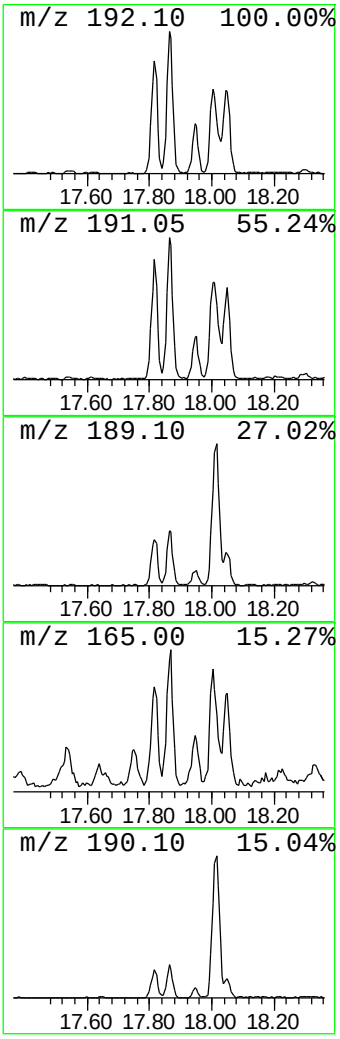
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	17.97 ng/ul	1443160	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : J1678-07
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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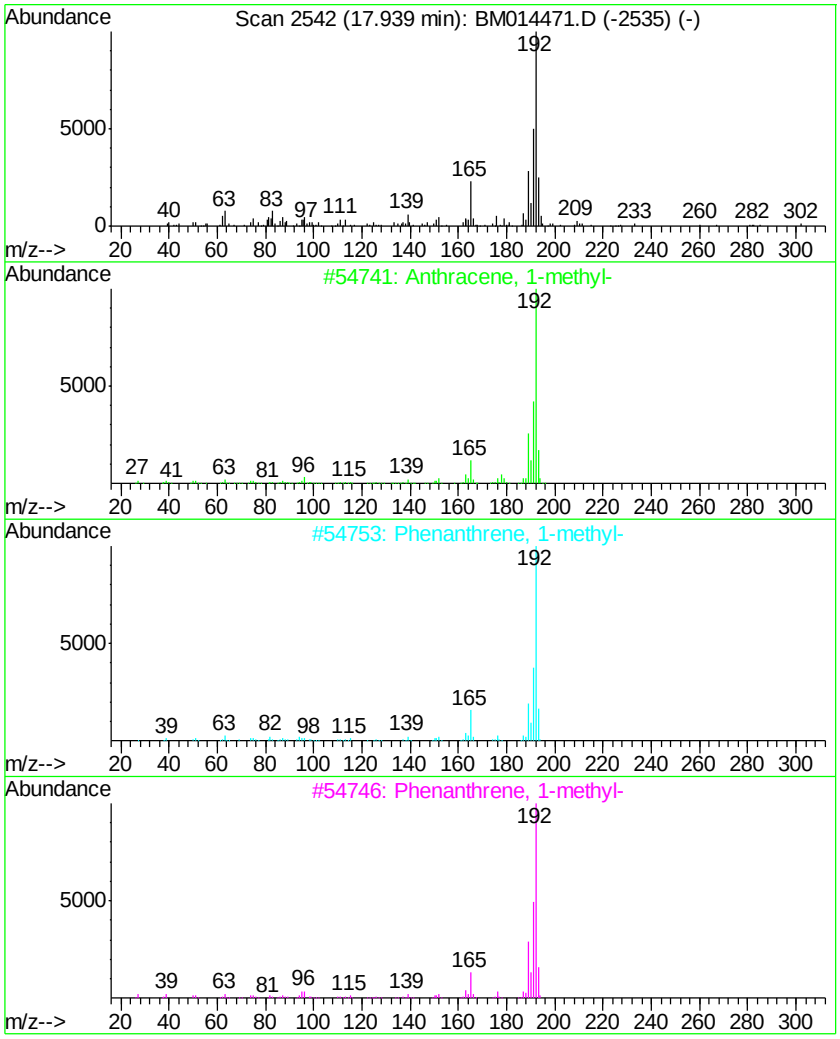
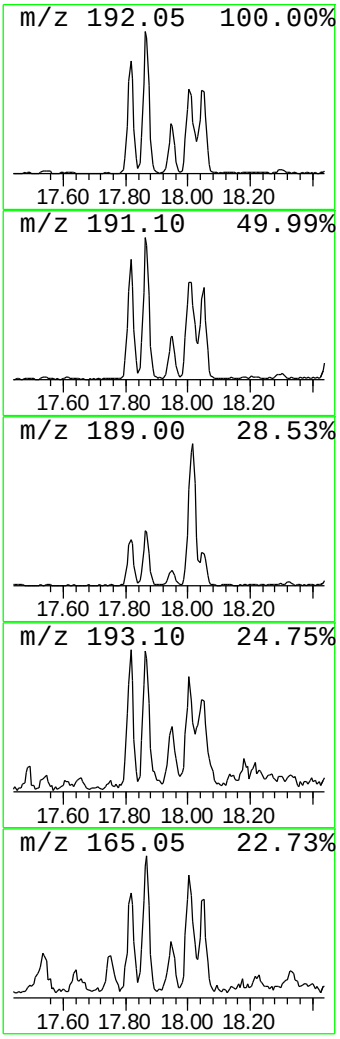
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.03 ng/ul	404056	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, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Quant Title : SVOA CALIBRATION

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

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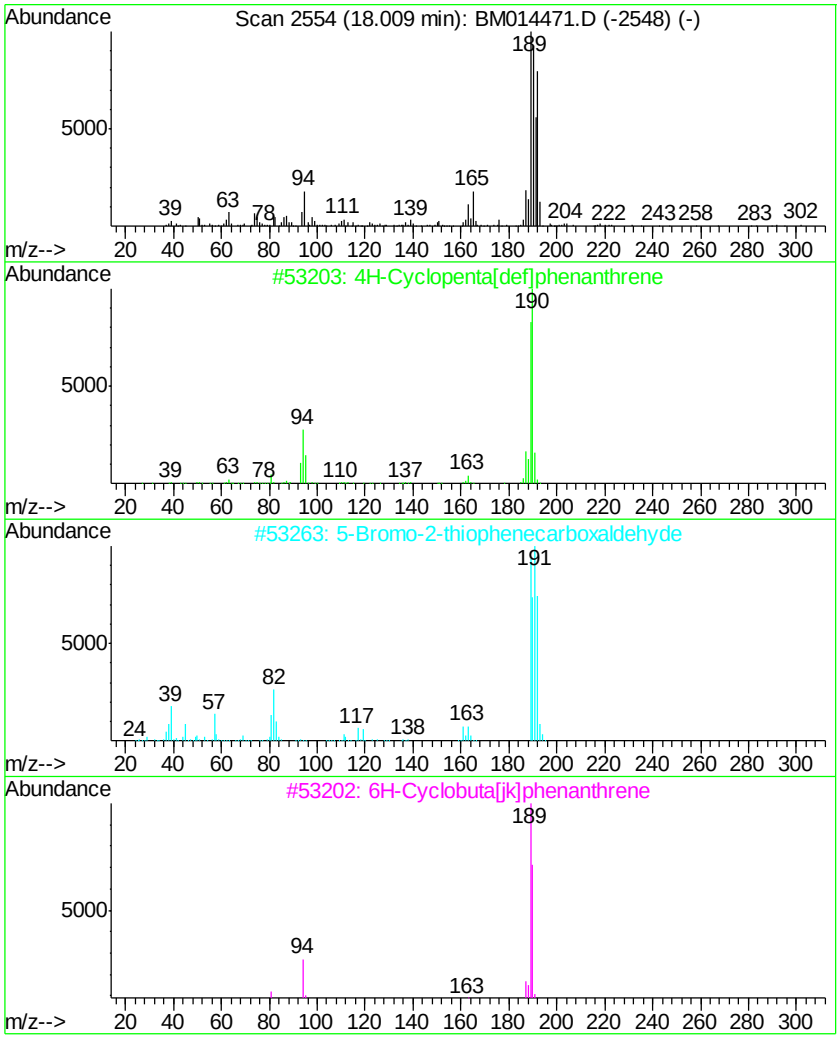
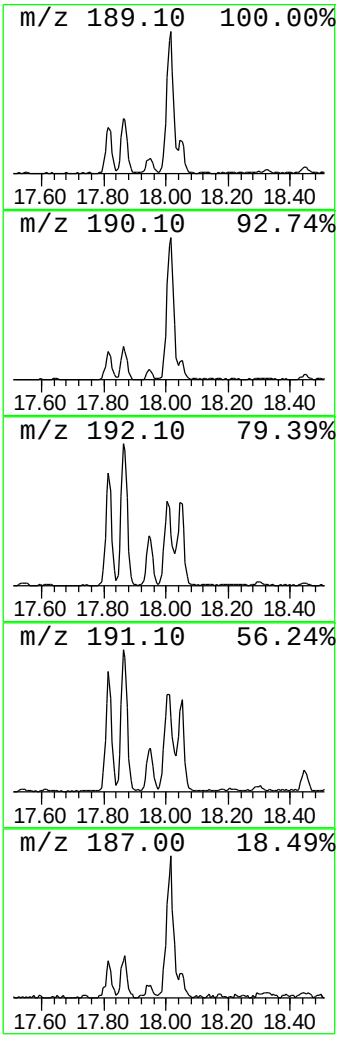
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	18.00 ng/ul	1444880	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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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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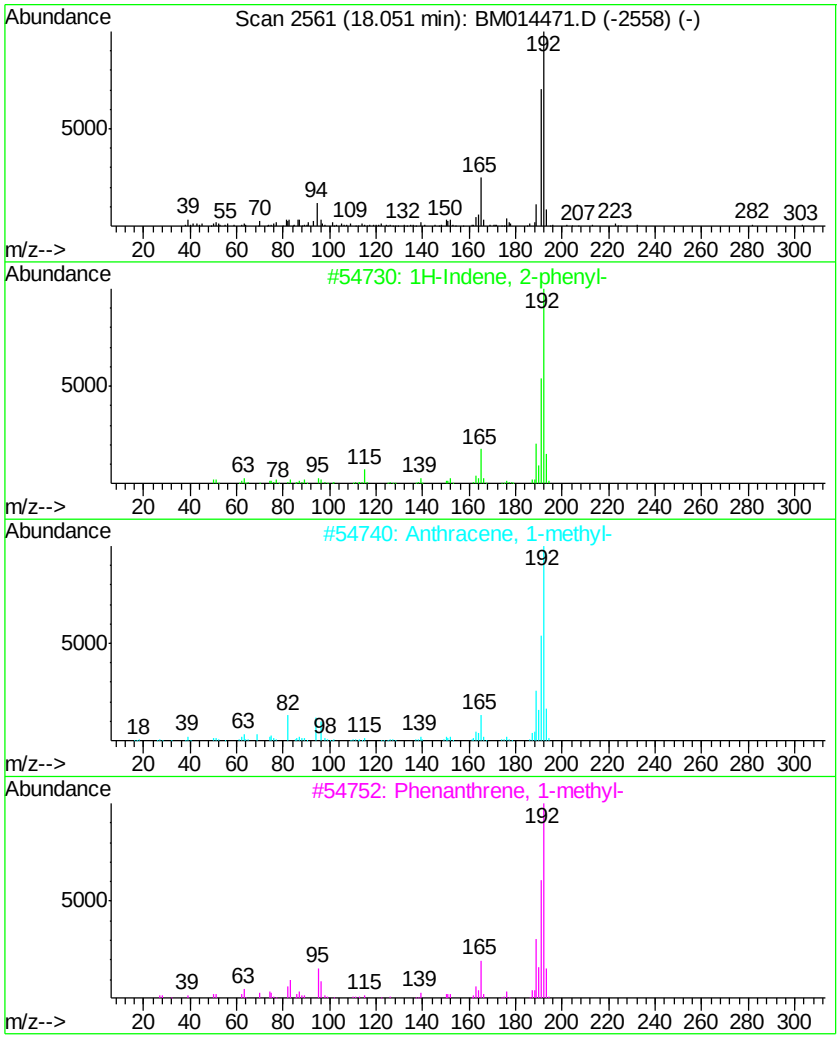
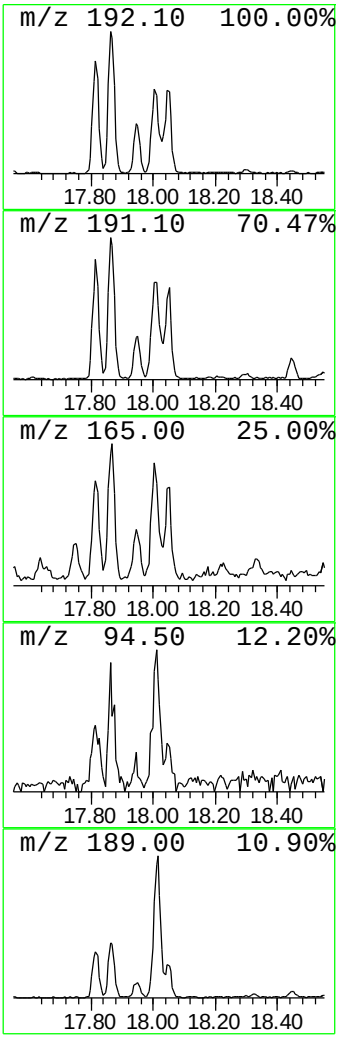
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	7.19 ng/ul	577660	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72





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Quant Title : SVOA CALIBRATION

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

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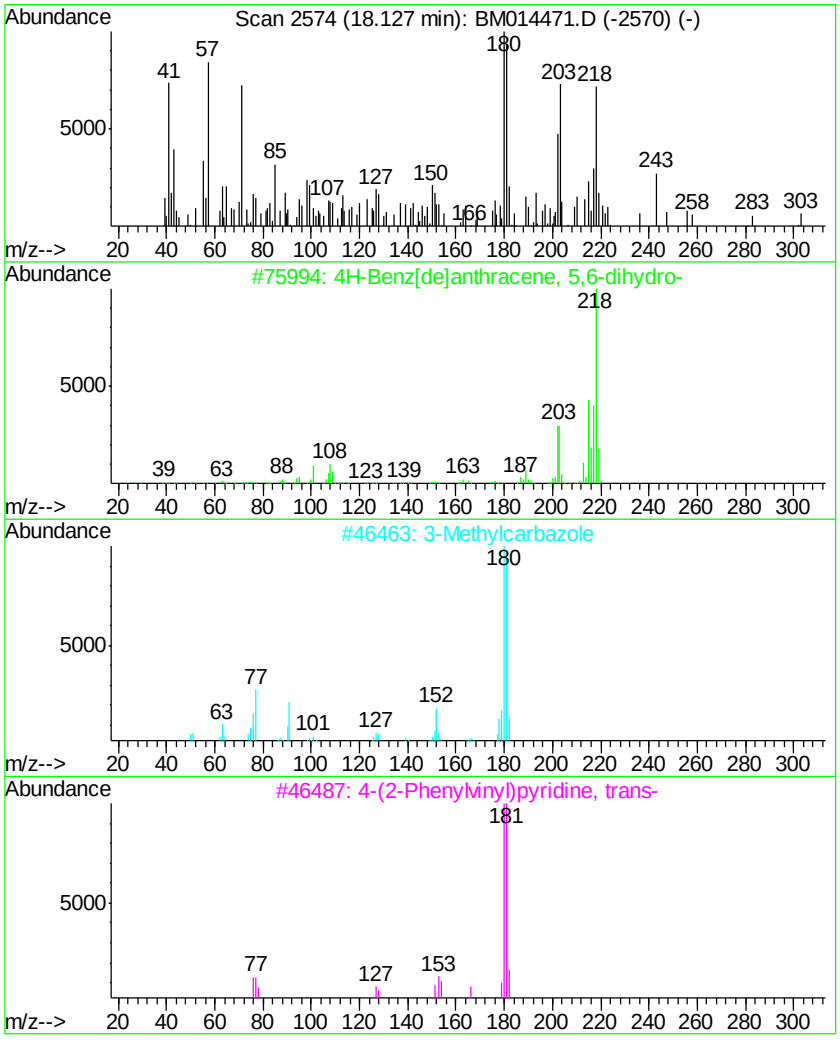
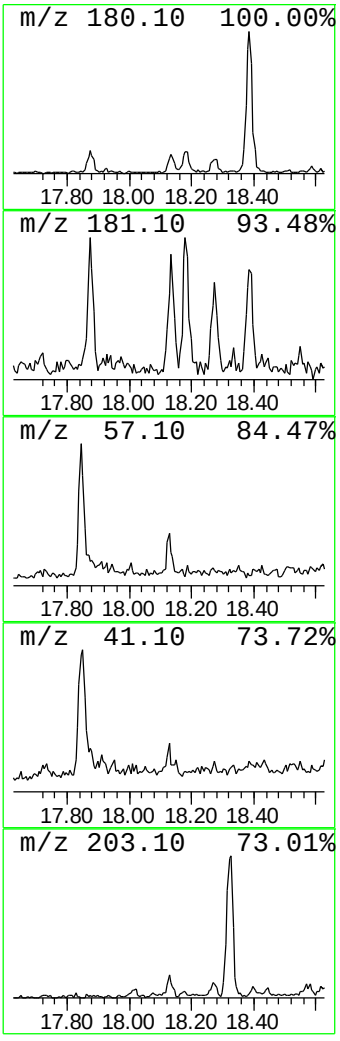
Peak Number 16 4H-Benz[de]anthracene, 5,6-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.49 ng/ul	199786	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	76
2	3-Methylcarbazole	181	C13H11N	004630-20-0	38
3	4-(2-Phenylvinyl)pyridine, trans-	181	C13H11N	005097-93-8	38
4	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	25
5	Benzene, 2-chloro-1,3-bis(1-meth...	196	C12H17Cl	054845-36-2	15





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Quant Title : SVOA CALIBRATION

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

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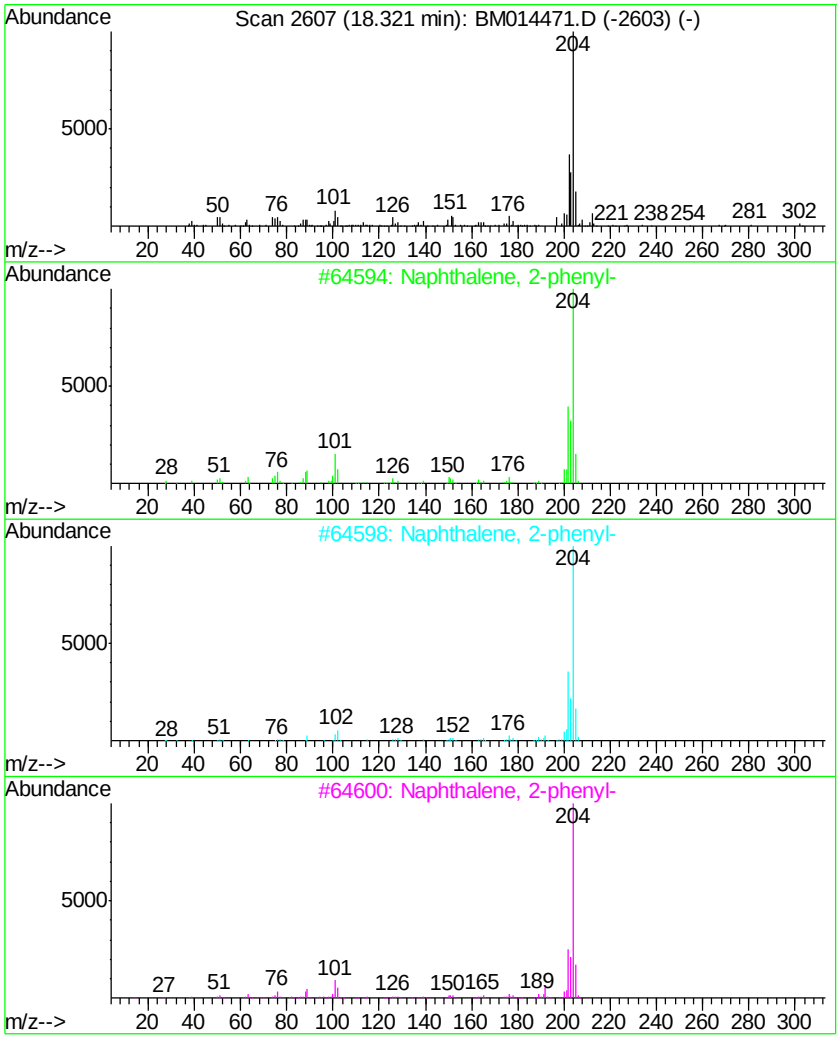
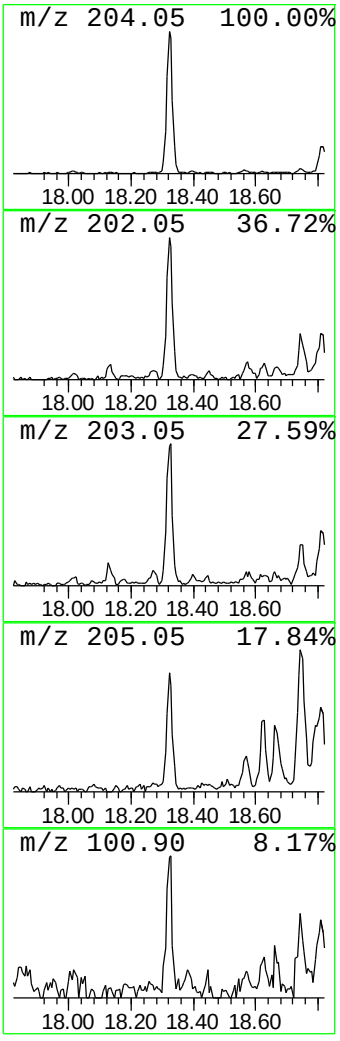
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.32 ng/ul	507339	Phenanthrene-d10	16.94

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





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Quant Title : SVOA CALIBRATION

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

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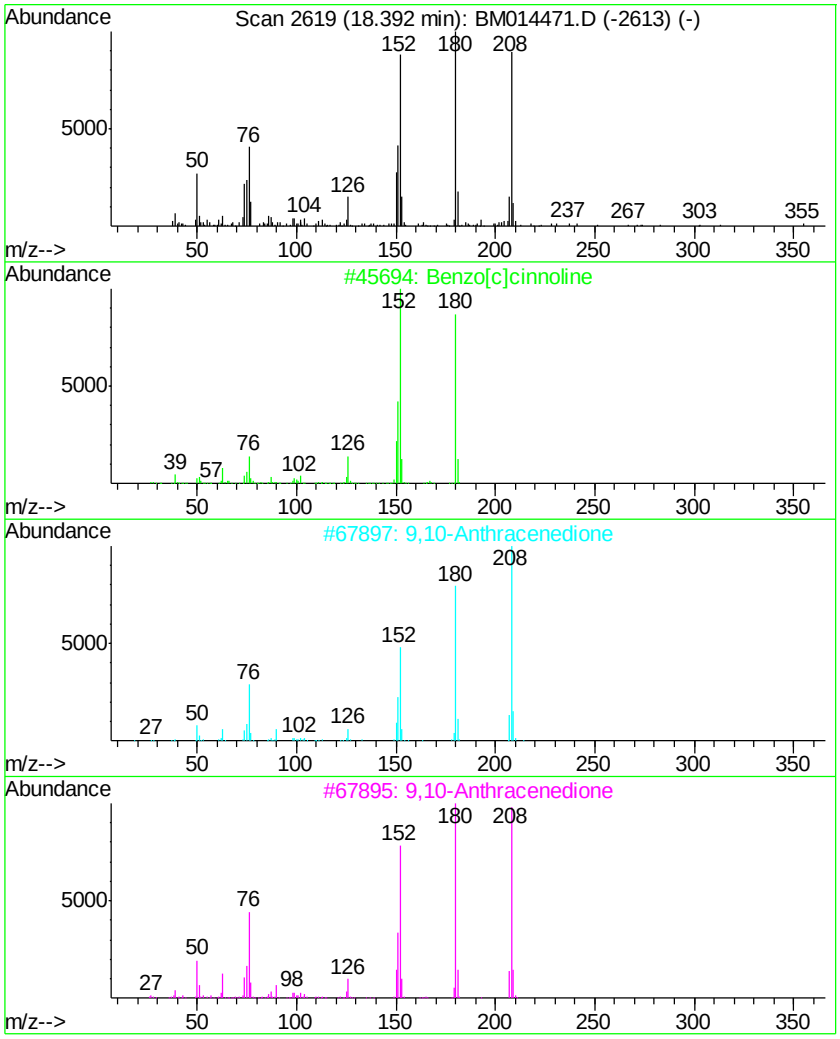
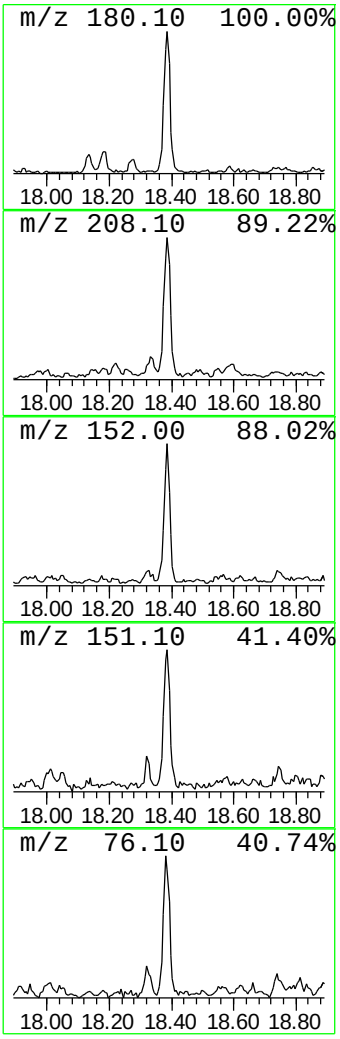
Peak Number 18 Benzo[c]cinnoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.57 ng/ul	607977	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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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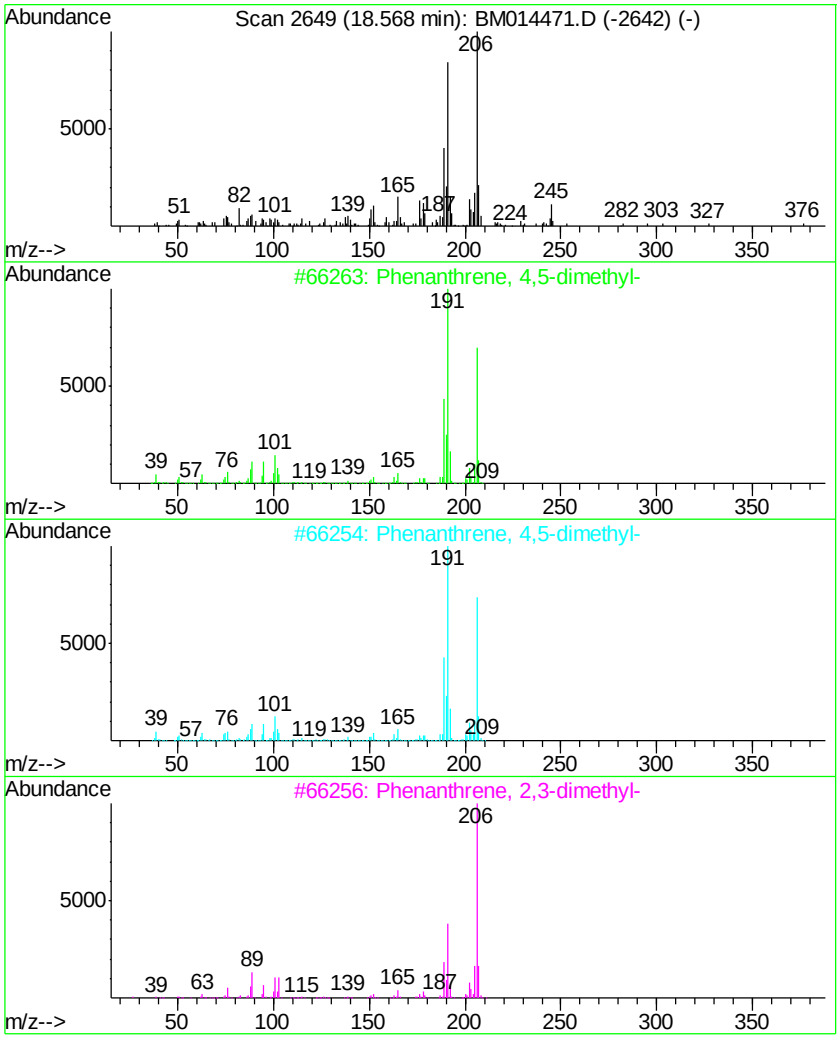
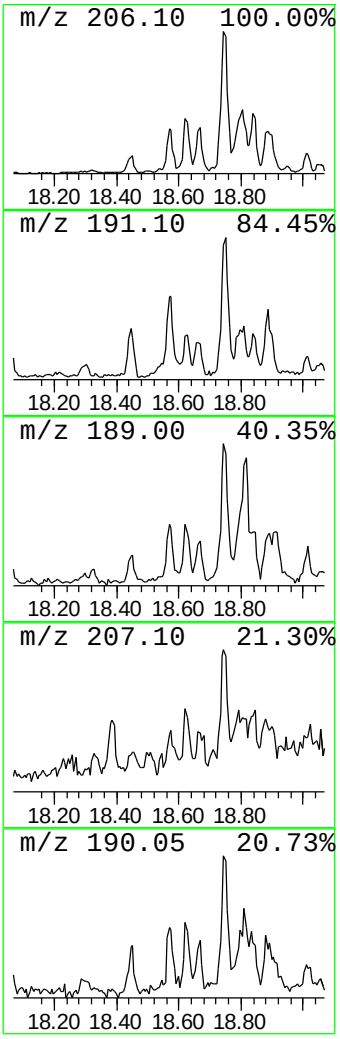
Peak Number 19 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.84 ng/ul	388520	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Instrument : BNA_M
ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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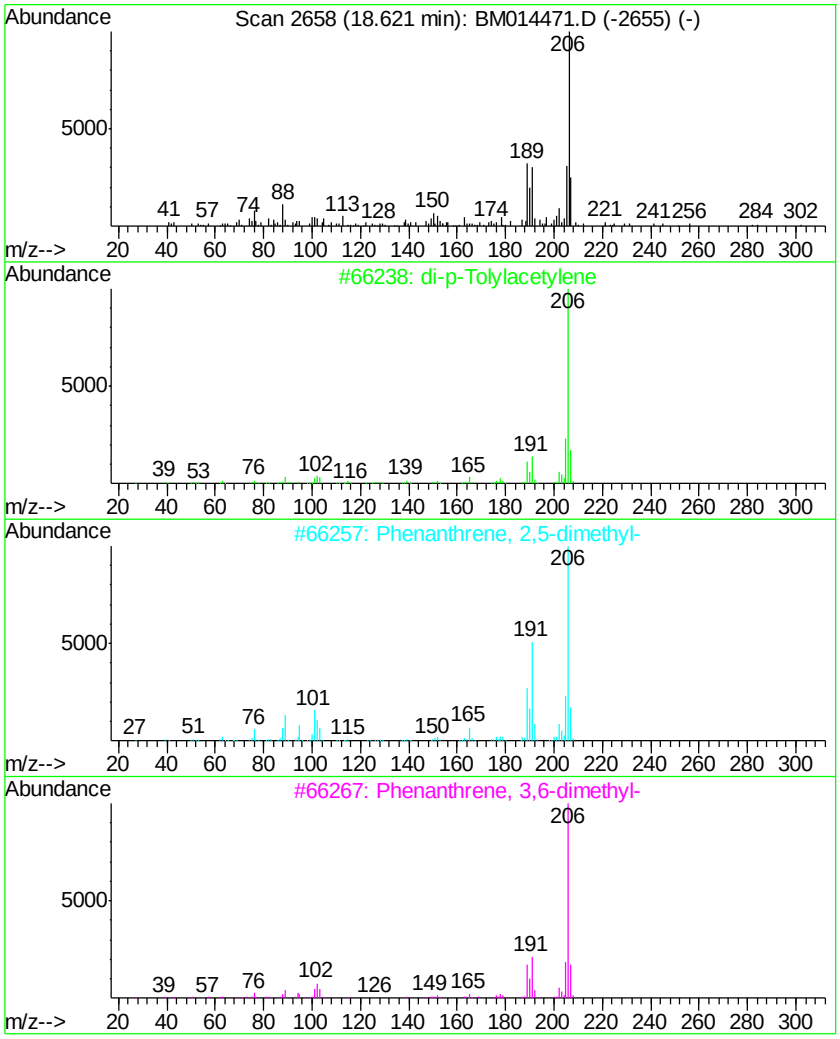
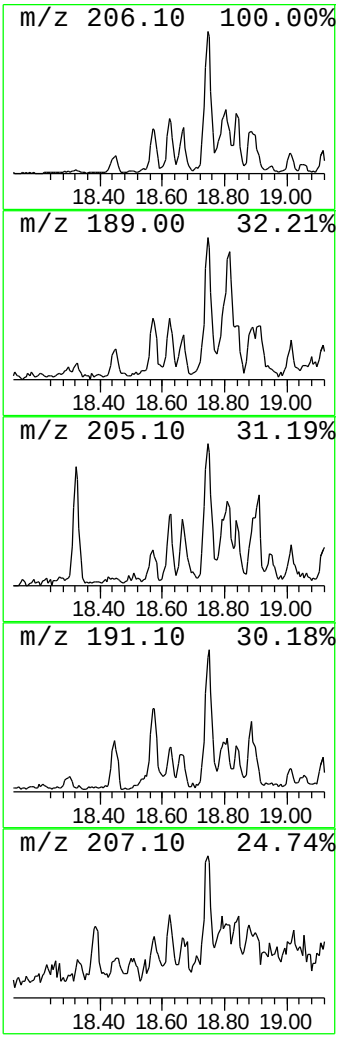
Peak Number 20 di-p-Tolylacetylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.70 ng/ul	217160	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	68
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	64





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Quant Title : SVOA CALIBRATION

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

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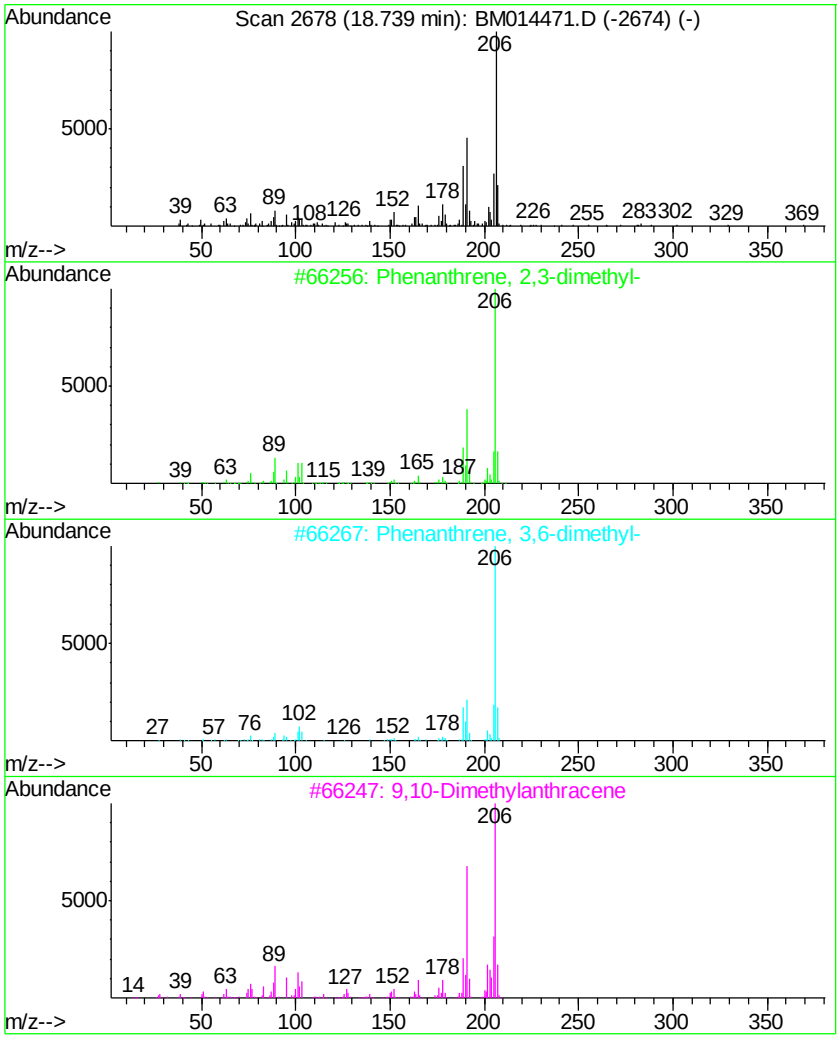
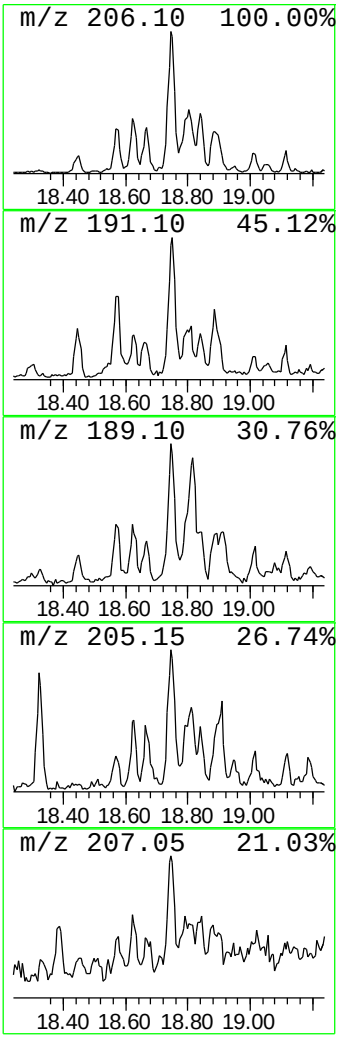
Peak Number 21 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	7.95 ng/ul	638504	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ClientSampleId : BE5T7

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Quant Title : SVOA CALIBRATION

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

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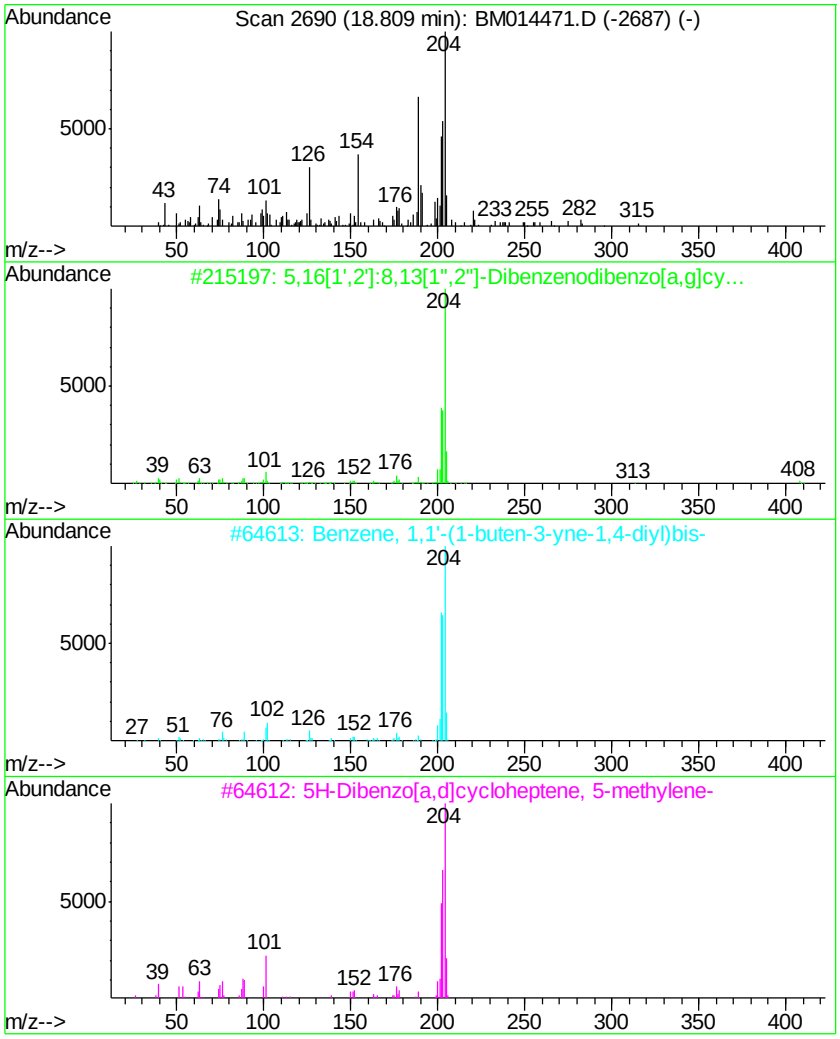
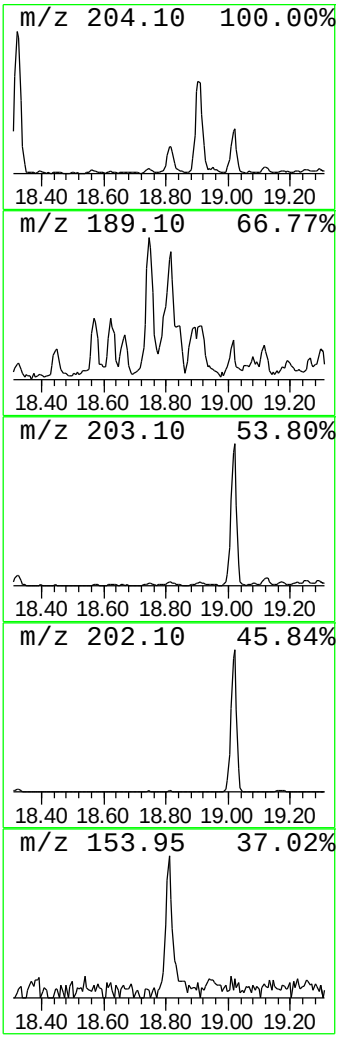
Peak Number 22 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.29 ng/ul	184204	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
2	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	41
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	41
4	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	38
5	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	38





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ALS Vial : 5 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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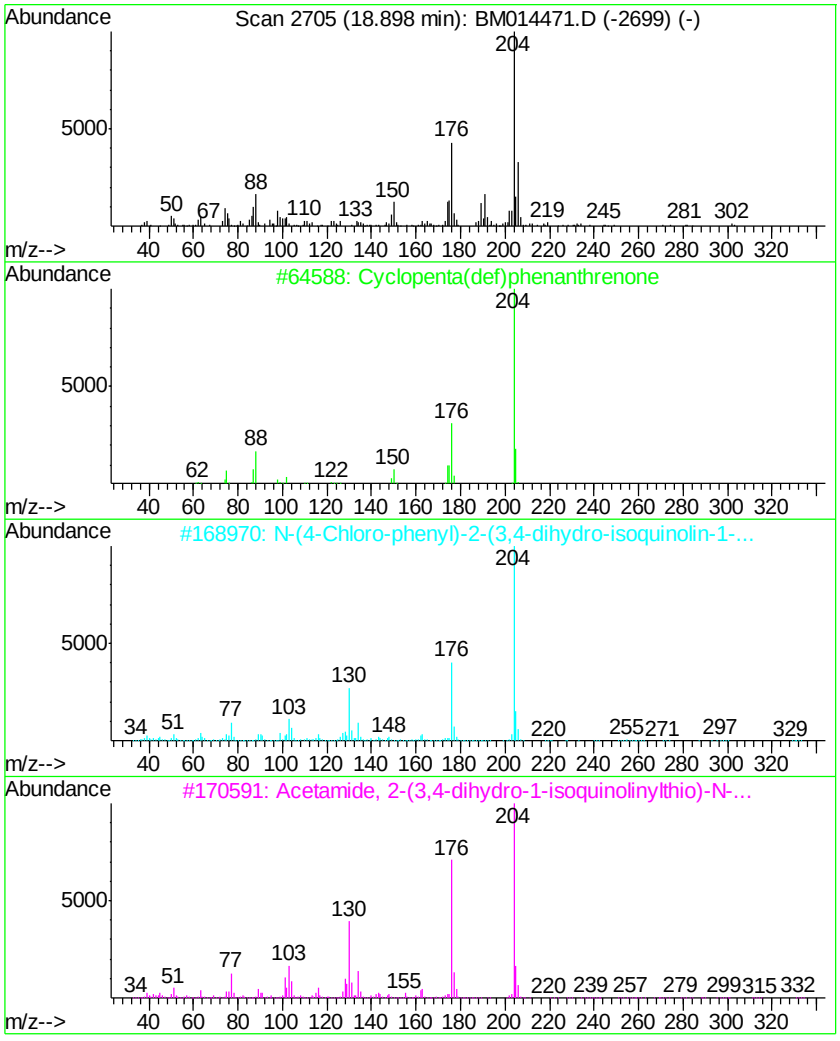
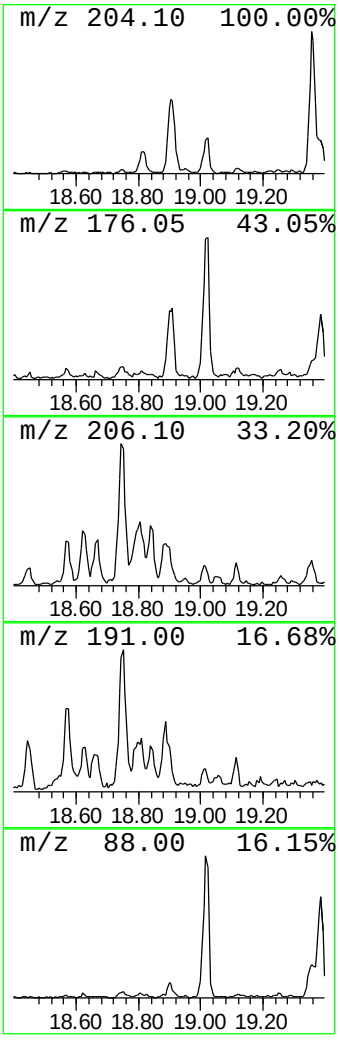
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	7.96 ng/ul	639474	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	53
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	50
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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Quant Title : SVOA CALIBRATION

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

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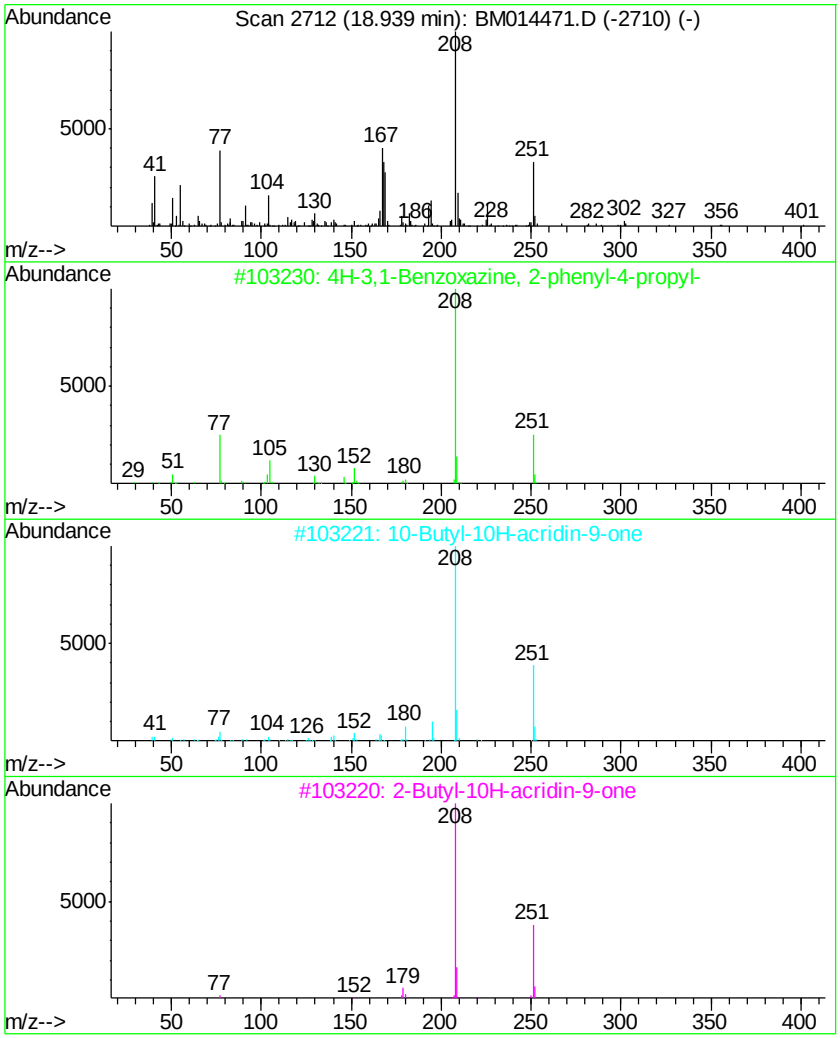
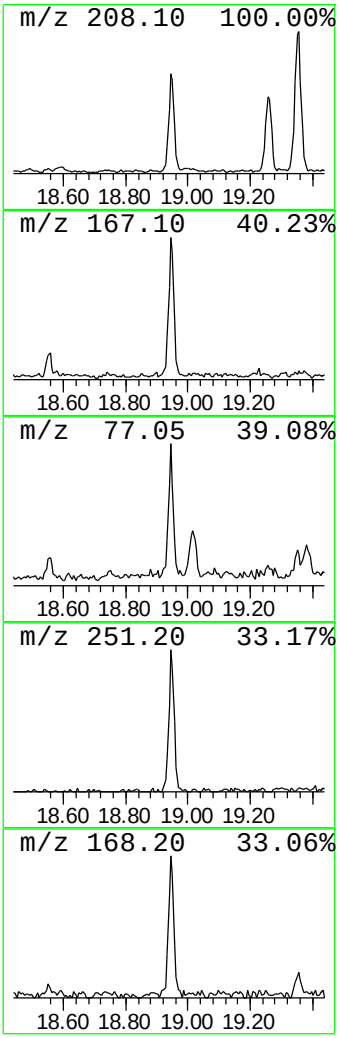
Peak Number 24 4H-3,1-Benzoxazine, 2-pheny... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	6.43 ng/ul	515897	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-3,1-Benzoxazine, 2-phenyl-4-p...	251	C17H17NO	1000362-07-9	50
2	10-Butyl-10H-acridin-9-one	251	C17H17NO	1000317-65-2	49
3	2-Butyl-10H-acridin-9-one	251	C17H17NO	055751-69-4	43
4	2,4,6,8-Tetrathiatricyclo[3.3.1....	208	C6H8S4	000281-38-9	35
5	Acridine, 9,10-dihydro-9,9,10-tr...	223	C16H17N	025308-77-4	32





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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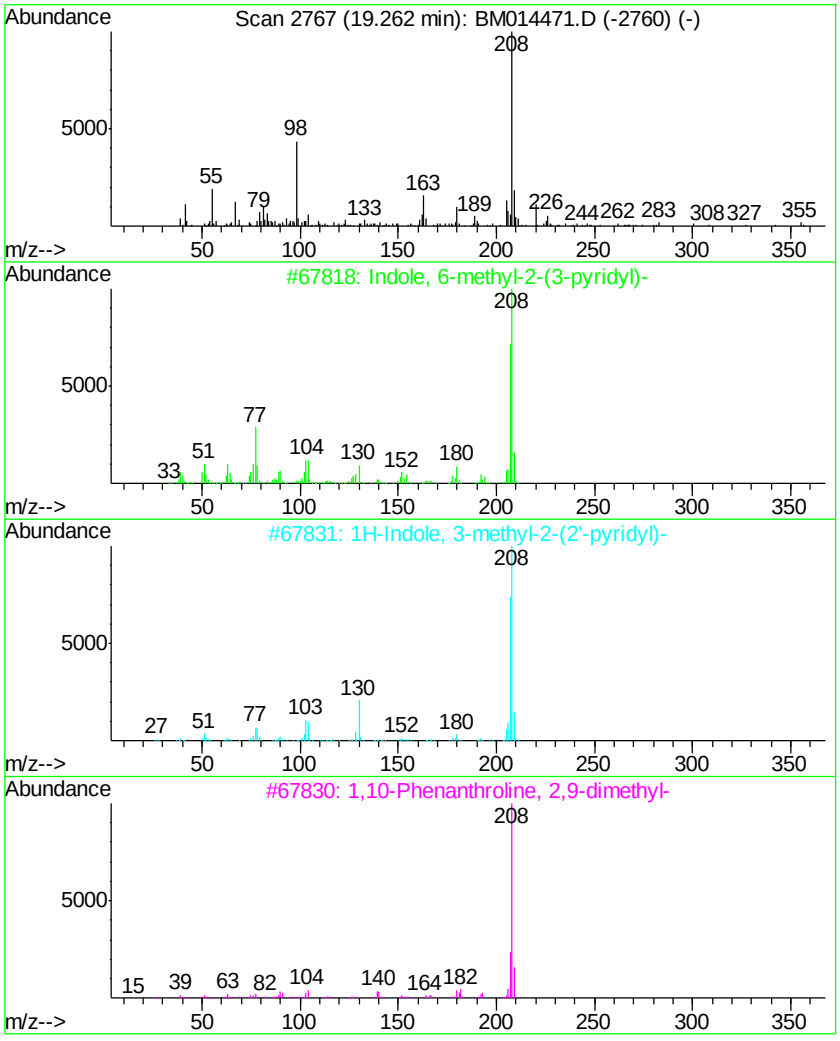
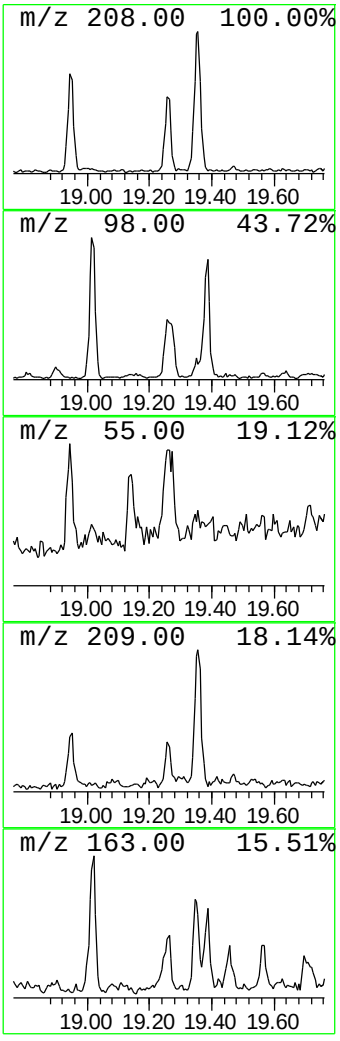
Peak Number 25 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.04 ng/ul	520882	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole, 6-methyl-2-(3-pyridyl)-	208	C14H12N2	293762-69-3	47
2	1H-Indole, 3-methyl-2-(2'-pyridyl)-	208	C14H12N2	000951-25-7	47
3	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	47
4	Indole, 6-methyl-2-(2-pyridyl)-	208	C14H12N2	107919-89-1	47
5	Indole, 6-methyl-2-(4-pyridyl)-	208	C14H12N2	107919-93-7	47





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Quant Title : SVOA CALIBRATION

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

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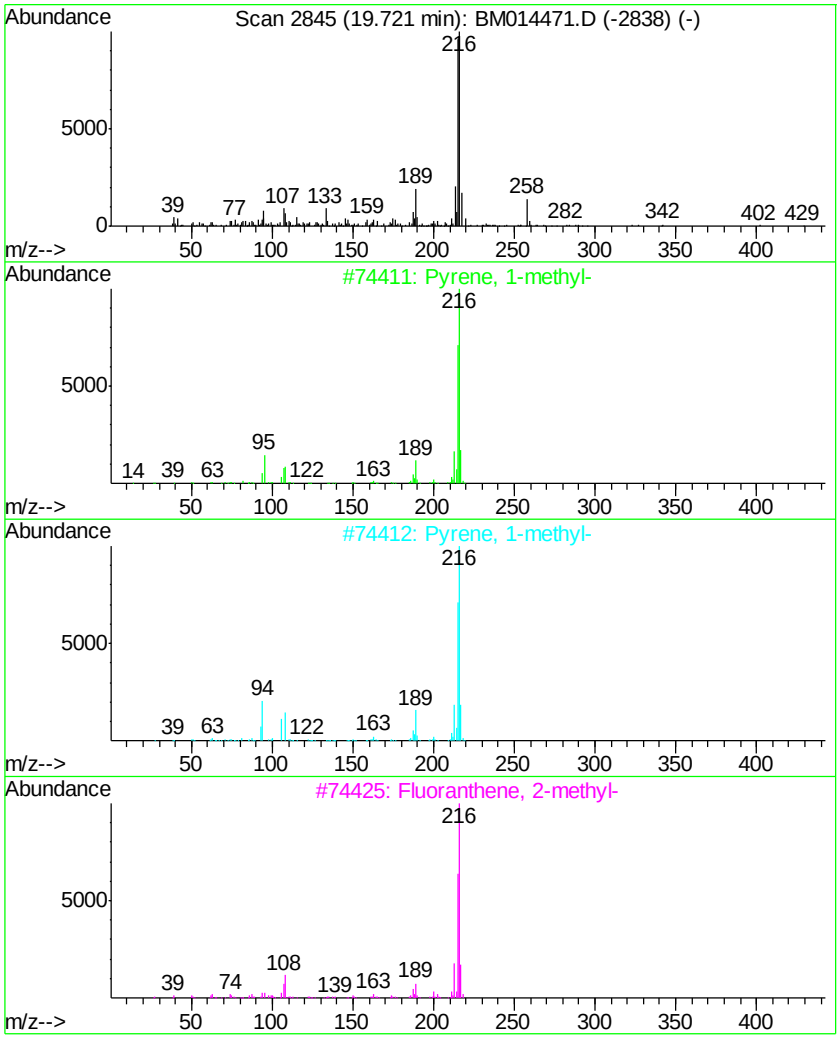
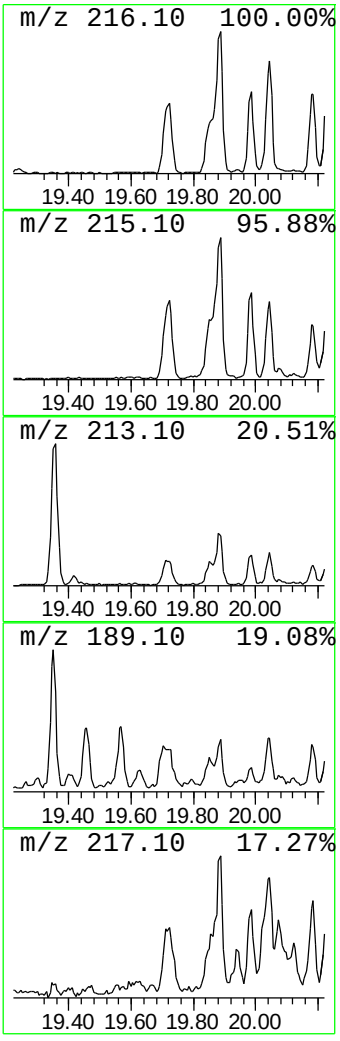
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	3.75 ng/ul	958707	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





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Quant Title : SVOA CALIBRATION

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

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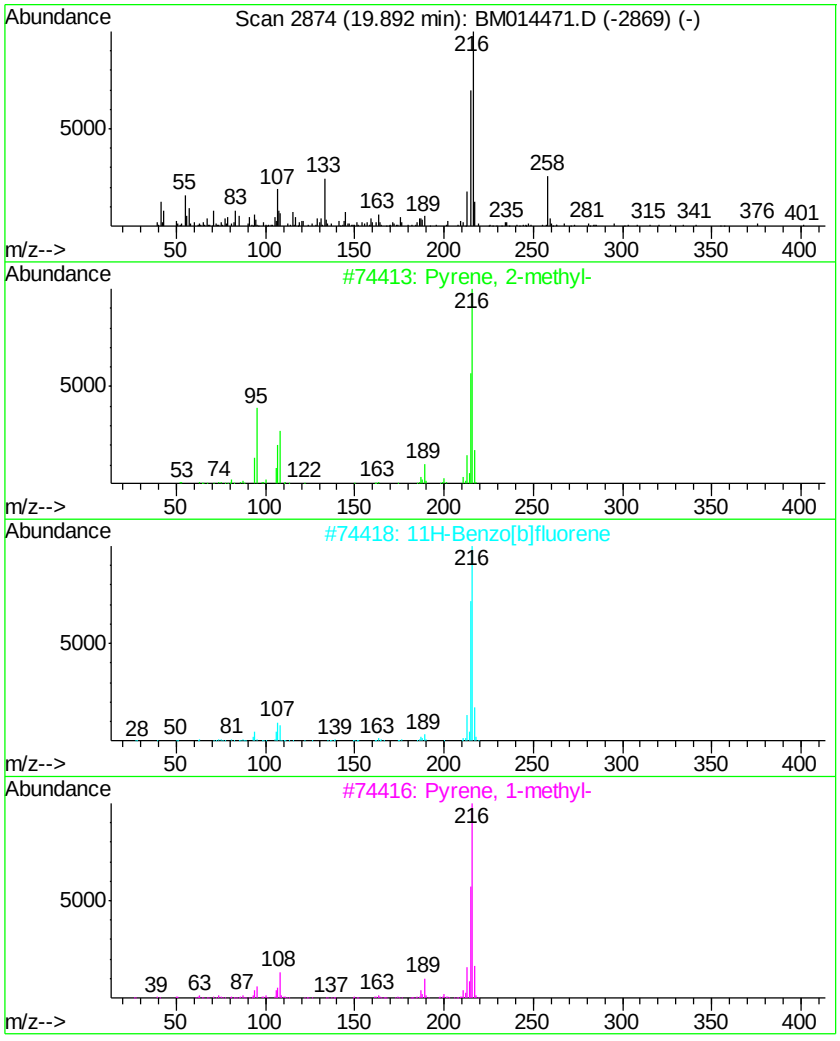
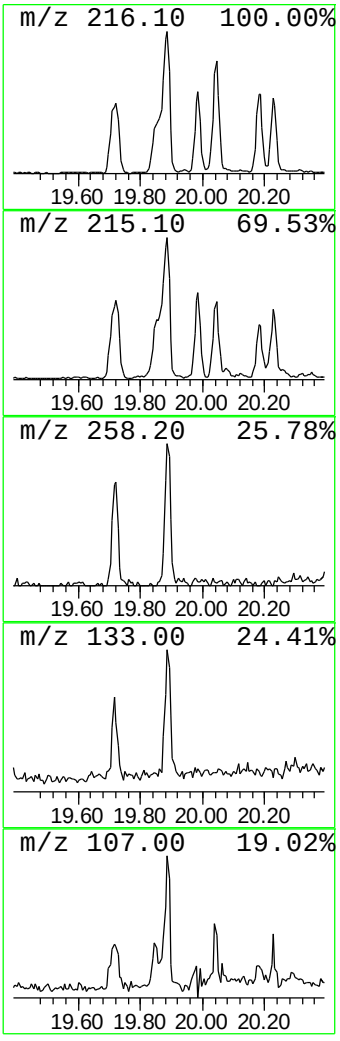
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.24 ng/ul	1082000	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Quant Title : SVOA CALIBRATION

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

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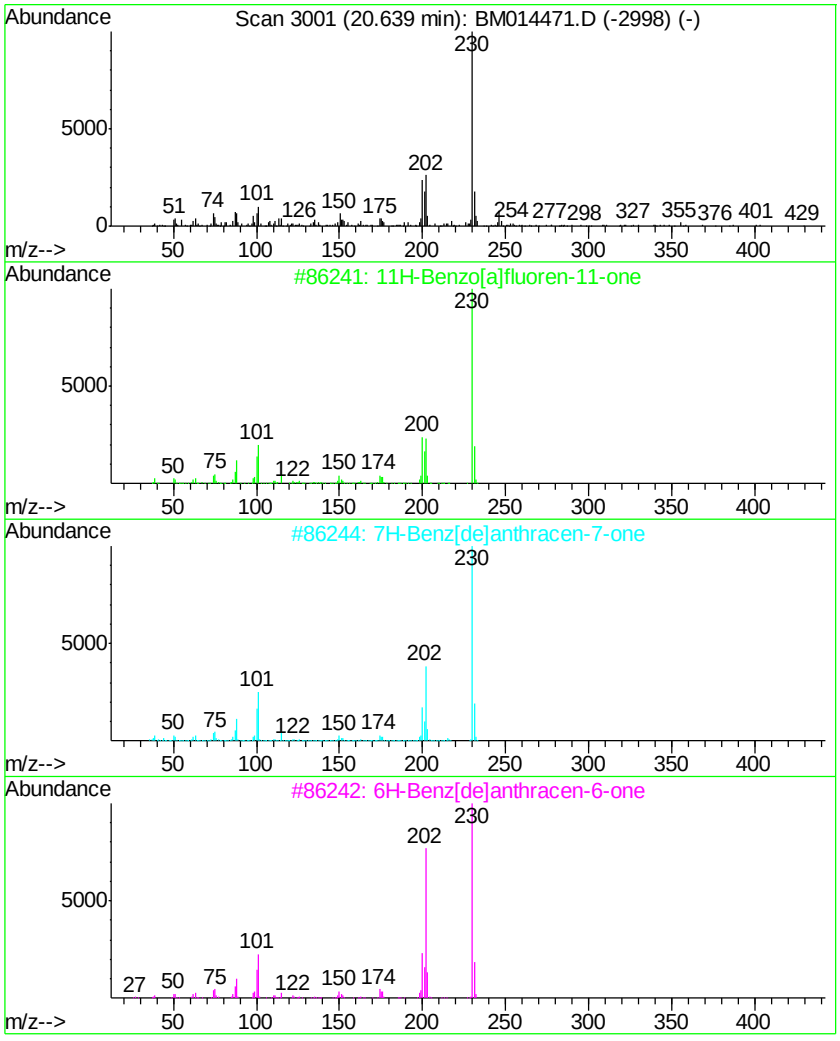
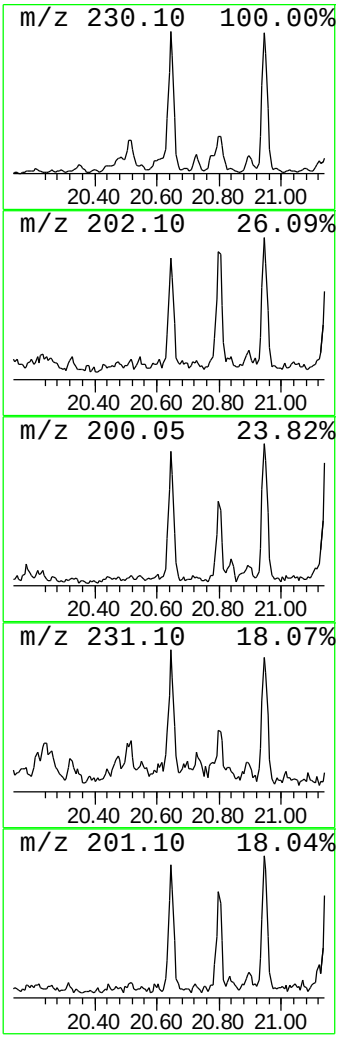
Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.48 ng/ul	633191	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	58





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TIC Integration Parameters: LSCINT.P

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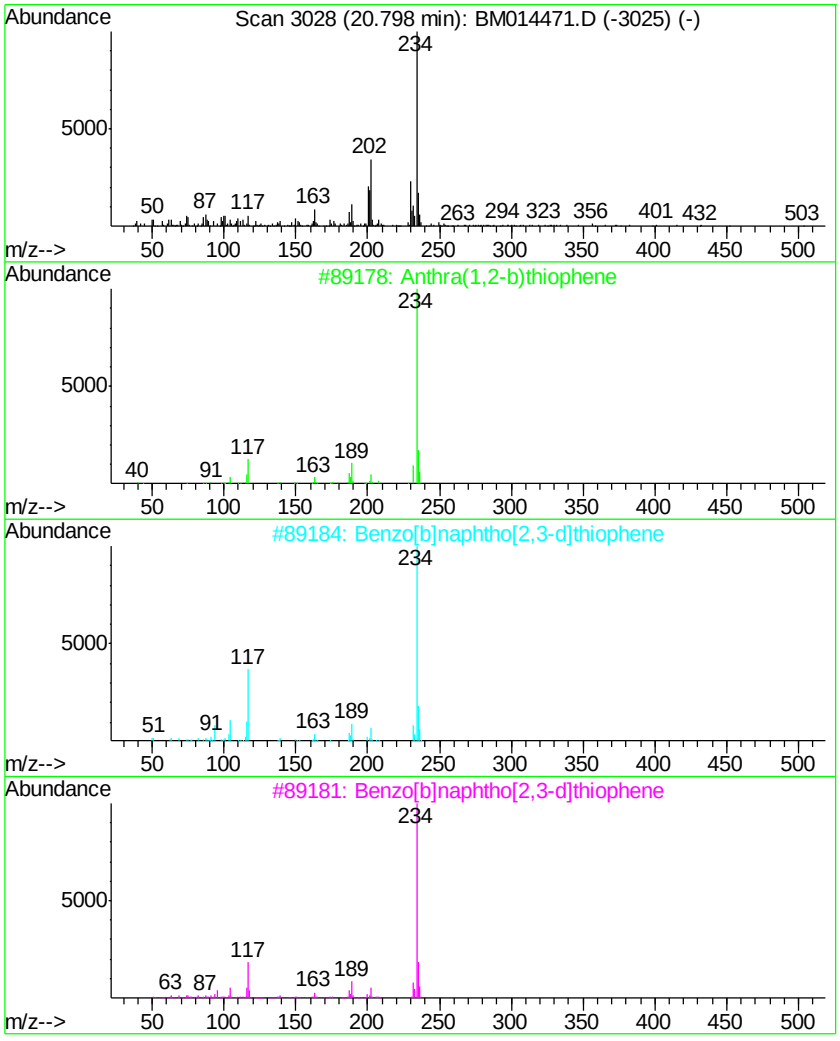
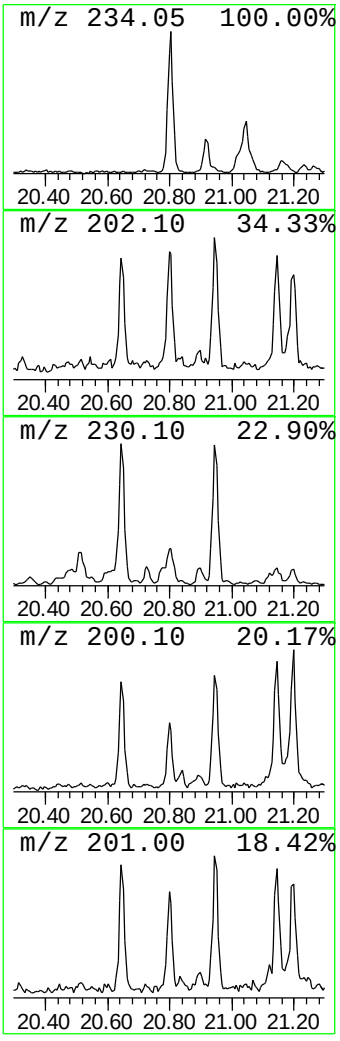
Peak Number 30 Anthra(1,2-b)thiophene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.36 ng/ul	602347	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	70
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
Data File : BM014471.D
Acq On : 05 Mar 2018 13:59
Operator : SJ/JU
Sample : J1678-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T7

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
Bicyclo[2.2.1]hep...	9.70	2.6	ng/ul	135920	2	10.28	1035610	20.0
Naphthalene, 2,3-...	13.49	2.0	ng/ul	151874	3	14.17	1499250	20.0
[1,1'-Bicyclohexy...	14.38	3.4	ng/ul	257653	3	14.17	1499250	20.0
Dibenzofuran, 4-m...	15.53	2.4	ng/ul	183173	3	14.17	1499250	20.0
Benzene, 1-methyl...	16.47	2.5	ng/ul	198222	4	16.94	1605790	20.0
9,10-Phenanthrene...	16.60	3.4	ng/ul	276059	4	16.94	1605790	20.0
Phenanthrene, 1,2...	16.69	4.3	ng/ul	341111	4	16.94	1605790	20.0
Naphtho[2,3-b]thi...	16.76	3.9	ng/ul	316371	4	16.94	1605790	20.0
4-Methylnaphtho[1...	17.52	3.1	ng/ul	248120	4	16.94	1605790	20.0
Phenanthrene, 1-m...	17.82	10.8	ng/ul	866094	4	16.94	1605790	20.0
Phenanthrene, 2-m...	17.86	18.0	ng/ul	1443160	4	16.94	1605790	20.0
Anthracene, 1-met...	17.94	5.0	ng/ul	404056	4	16.94	1605790	20.0
4H-Cyclopenta[def...	18.01	18.0	ng/ul	1444880	4	16.94	1605790	20.0
1H-Indene, 2-phenyl-	18.05	7.2	ng/ul	577660	4	16.94	1605790	20.0
4H-Benz[de]anthra...	18.13	2.5	ng/ul	199786	4	16.94	1605790	20.0
Naphthalene, 2-ph...	18.32	6.3	ng/ul	507339	4	16.94	1605790	20.0
Benzo[c]cinnoline	18.39	7.6	ng/ul	607977	4	16.94	1605790	20.0
Phenanthrene, 4,5...	18.57	4.8	ng/ul	388520	4	16.94	1605790	20.0
di-p-Tolylacetylene	18.62	2.7	ng/ul	217160	4	16.94	1605790	20.0
Phenanthrene, 2,3...	18.74	8.0	ng/ul	638504	4	16.94	1605790	20.0
unknown-01	18.81	2.3	ng/ul	184204	4	16.94	1605790	20.0
Cyclopenta(def)ph...	18.90	8.0	ng/ul	639474	4	16.94	1605790	20.0
4H-3,1-Benzoxazin...	18.94	6.4	ng/ul	515897	4	16.94	1605790	20.0
unknown-02	19.26	2.0	ng/ul	520882	5	21.16	5108670	20.0
Pyrene, 1-methyl-	19.72	3.8	ng/ul	958707	5	21.16	5108670	20.0
Pyrene, 2-methyl-	19.89	4.2	ng/ul	1082000	5	21.16	5108670	20.0
11H-Benzo[a]fluor...	20.64	2.5	ng/ul	633191	5	21.16	5108670	20.0
Anthra(1,2-b)thio...	20.80	2.4	ng/ul	602347	5	21.16	5108670	20.0