LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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	rVB	487417	961220	5.27%	0.565%
2	6.863	654	659	666	rBV	401225	615736	3.37%	0.362%
3	7.057	685	692	702	rBV	601648	988927	5.42%	0.581%
4	7.510	763	769	778	rBV	469616	778937	4.27%	0.458%
5	8.245	887	894	909	rBV	596859	1173655	6.43%	0.690%
6	8.675	960	967	980	rBV	612982	1084733	5.95%	0.638%
7	9.386	1081	1088	1099	rBV	561282	1038156	5.69%	0.610%
8	9.939	1174	1182	1198	rBV	625295	1439576	7.89%	0.846%
9	10.280	1232	1240	1245	rBV	669250	1129590	6.19%	0.664%
10	10.333	1245	1249	1256	rVB	214873	355203	1.95%	0.209%
11	10.451	1262	1269	1282	rBV2	317694	732997	4.02%	0.431%
12	11.963	1520	1526	1532	rBV2	126063	208979	1.15%	0.123%
13	12.186	1555	1564	1572	rVB	137961	245977	1.35%	0.145%
14	13.492	1778	1786	1791	rBV2	181655	345216	1.89%	0.203%
15	13.598	1799	1804	1809	rVV	1561457	2144997	11.76%	1.261%
16	13.645	1809	1812	1817	rVB	272991	339484	1.86%	0.200%
17	13.868	1840	1850	1853	rBV	1710901	2654770	14.55%	1.560%
18	14.174	1893	1902	1908	rVV2	1007670	1616563	8.86%	0.950%
19	14.239	1908	1913	1922	rVB	564692	870196	4.77%	0.512%
20	14.480	1948	1954	1966	rBV2	363446	966623	5.30%	0.568%
21	14.580	1966	1971	1977	rVV	458750	744466	4.08%	0.438%
22	14.974	2030	2038	2041	rBV4	96722	191802	1.05%	0.113%
23	15.180	2067	2073	2078	rBV	2067299	2895132	15.87%	1.702%
24	15.233	2078	2082	2092	rVB	625827	949985	5.21%	0.558%
25	15.362	2099	2104	2108	rBV	495819	668039	3.66%	0.393%
26	15.533	2128	2133	2141	rVB	282792	458093	2.51%	0.269%
27	15.680	2154	2158	2166	rVB	262684	483710	2.65%	0.284%
28	15.768	2166	2173	2182	rVB3	100221	215953	1.18%	0.127%
29	16.245	2243	2254	2259	rBV3	223962	549368	3.01%	0.323%
30	16.298	2259	2263	2268	rVB3	124304	188915	1.04%	0.111%
31	16.474	2289	2293	2296	rVV2	177075	254818	1.40%	0.150%
32	16.515	2296	2300	2303	rVB2	152140	213510	1.17%	0.126%
33	16.609	2310	2316	2321	rVB	448438	679451	3.72%	0.399%
34	16.686	2322	2329	2334	rVV3	236045	562488	3.08%	0.331%

LSC Area Percent Report

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Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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	16.756	2337	2341	2349	rVB	431761	704015	3.86%	0.414%
36	16.939	2366	2372	2375	rBV	1056063	1574070	8.63%	0.925%
37	16.992	2375	2381	2385	rVV	9760195	13038282	71.46%	7.664%
38	17.045	2385	2390	2393	rVV2	2102948	3192824	17.50%	1.877%
39	17.074	2393	2395	2401	rVV	1695798	2070071	11.35%	1.217%
40	17.145	2401	2407	2411	rVV3	157845	331792	1.82%	0.195%
41	17.333	2435	2439	2440	rBV	206633	241252	1.32%	0.142%
42	17.362	2440	2444	2450	rVB	567522	890959	4.88%	0.524%
43	17.456	2457	2460	2464	rBV	181165	219164	1.20%	0.129%
44	17.533	2468	2473	2480	rVB5	201284	501105	2.75%	0.295%
45	17.815	2516	2521	2525	rBV	1149867	1685656	9.24%	0.991%
46	17.868	2525	2530	2536	rVB	1597745	2489406	13.64%	1.463%
47	17.950	2539	2544	2549	rVB	507304	692070	3.79%	0.407%
48	18.009	2549	2554	2558	rBV2	1564726	2701225	14.81%	1.588%
49	18.050	2558	2561	2568	rVB	851680	1190009	6.52%	0.699%
50	18.133	2571	2575	2579	rBV4	172563	292051	1.60%	0.172%
51	18.321	2603	2607	2614	rBV	782534	1078760	5.91%	0.634%
52	18.386	2614	2618	2624	rVB	878258	1234495	6.77%	0.726%
53	18.574	2642	2650	2655	rBV3	323159	701149	3.84%	0.412%
54	18.627	2655	2659	2662	rVV	281119	350851	1.92%	0.206%
55	18.668	2662	2666	2670	rVB2	280638	376773	2.07%	0.221%
56	18.745	2674	2679	2684	rVV	713027	1176457	6.45%	0.692%
57	18.809	2686	2690	2694	rVV4	429681	807623	4.43%	0.475%
58	18.839	2694	2695	2700	rVB	240793	229257	1.26%	0.135%
59	18.909	2700	2707	2711	rBV2	655996	1210638	6.64%	0.712%
60	19.027	2719	2727	2732	rBV	13612246	18245112	100.00%	10.725%
61	19.080	2733	2736	2739	rVV	169437	215464	1.18%	0.127%
62	19.121	2739	2743	2748	rVV4	251162	455442	2.50%	0.268%
63	19.168	2748	2751	2756	rVB	196987	263579	1.44%	0.155%
64	19.256	2760	2766	2770	rVV4	384252	733456	4.02%	0.431%
65	19.297	2771	2773	2777	rVB4	185571	193515	1.06%	0.114%
66	19.356	2778	2783	2785	rBV3	3539042	5023256	27.53%	2.953%
67	19.392	2785	2789	2796	rVB	11346249	15119032	82.87%	8.887%
68	19.456	2796	2800	2804	rBV2	513490	738681	4.05%	0.434%
69	19.568	2815	2819	2825	rVB	513693	779831	4.27%	0.458%
70	19.639	2826	2831	2837	rVB	486561	800698	4.39%	0.471%
71	19.709	2837	2843	2851	rBV3	669886	1829279	10.03%	1.075%

LSC Area Percent Report

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Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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	19.886	2862	2873	2877	rBV2	1116772	2703444	14.82%	1.589%
73	19.986	2886	2890	2893	rBV	632654	817953	4.48%	0.481%
74	20.044	2894	2900	2904	rVB2	970768	1650529	9.05%	0.970%
75	20.121	2911	2913	2917	rVB3	202733	246255	1.35%	0.145%
76	20.186	2920	2924	2927	rVV	560824	723978	3.97%	0.426%
77	20.233	2928	2932	2936	rVB2	612453	813100	4.46%	0.478%
78	20.444	2964	2968	2971	rBV3	578059	761652	4.17%	0.448%
79	20.515	2977	2980	2983	rVB2	209416	235108	1.29%	0.138%
80	20.644	2998	3002	3008	rVB	1061695	1282593	7.03%	0.754%
81	20.803	3025	3029	3032	rBV	957241	1159481	6.36%	0.682%
82	20.839	3032	3035	3038	rVV	820936	1058115	5.80%	0.622%
83	20.880	3040	3042	3050	rVV3	653393	1369442	7.51%	0.805%
84	20.950	3050	3054	3058	rVB	1090487	1339992	7.34%	0.788%
85	21.150	3080	3088	3093	rBV2	5776808	10107041	55.40%	5.941%
86	21.203	3093	3097	3106	rVB	5127145	6671170	36.56%	3.921%
87	21.315	3113	3116	3119	rVB	552273	568296	3.11%	0.334%
88	21.380	3124	3127	3129	rBV2	371193	466319	2.56%	0.274%
89	21.703	3179	3182	3187	rVB	895945	1053890	5.78%	0.619%
90	21.750	3188	3190	3194	rVB	358328	396564	2.17%	0.233%
91	21.897	3212	3215	3218	rBV	404907	533052	2.92%	0.313%
92	22.715	3347	3354	3358	rBV	3476163	8073327	44.25%	4.746%
93	22.868	3377	3380	3386	rVB	610872	930397	5.10%	0.547%
94	23.168	3426	3431	3436	rBV	1987599	3886059	21.30%	2.284%
95	23.268	3443	3448	3454	rVB	3417521	5742632	31.47%	3.376%
96	23.403	3467	3471	3477	rVB2	845764	1573386	8.62%	0.925%
97	25.556	3830	3837	3845	rVB2	1442336	3835844	21.02%	2.255%

Sum of corrected areas: 170124183

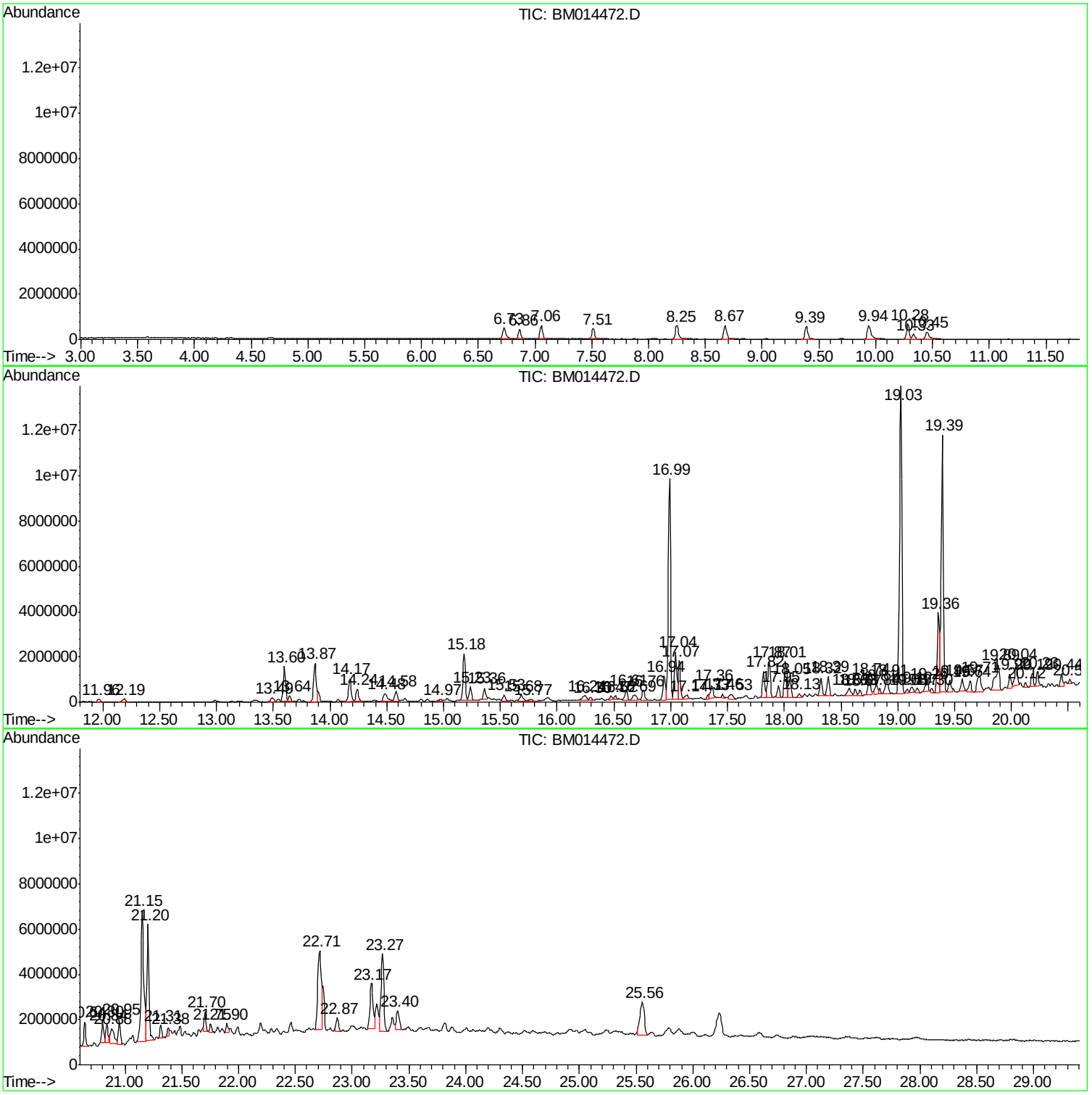
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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\
Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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

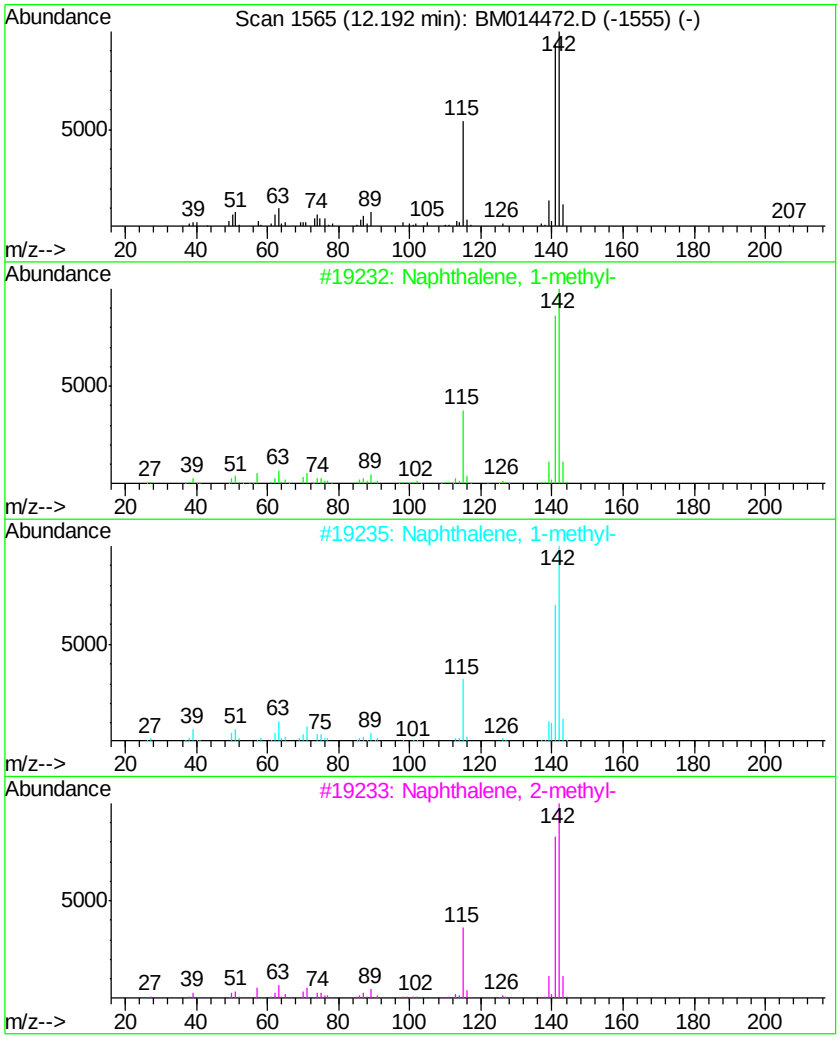
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

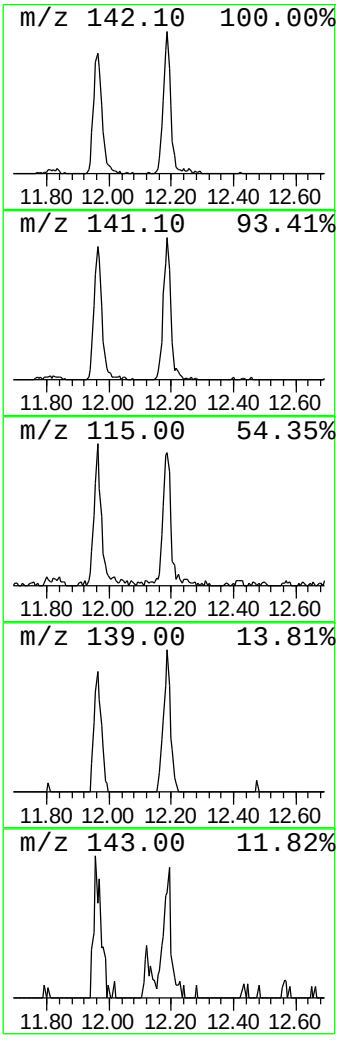
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.36 ng/ul	245977	Naphthalene-d8	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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

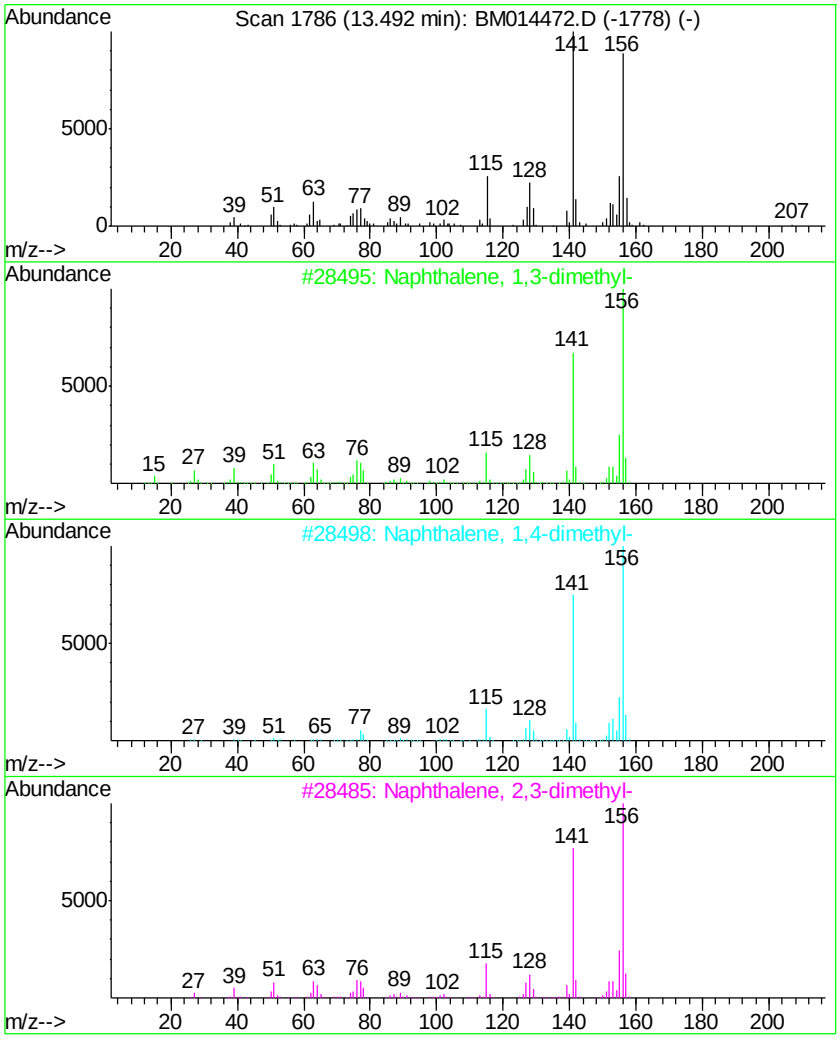
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

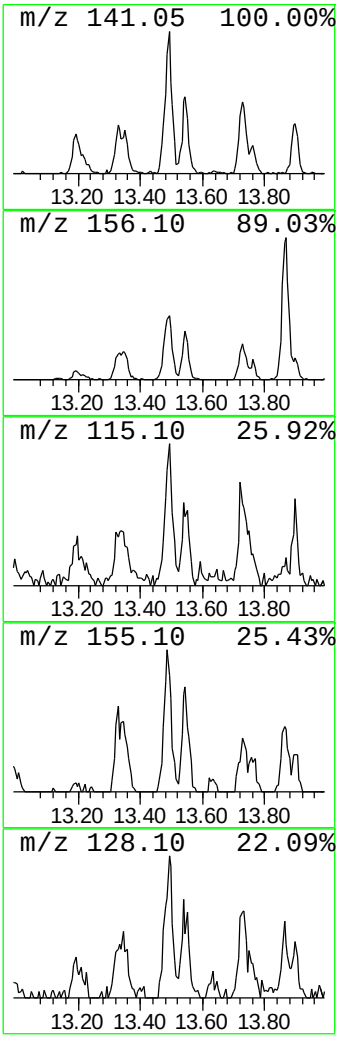
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	4.27 ng/ul	345216	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Acq On : 05 Mar 2018 14:35
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Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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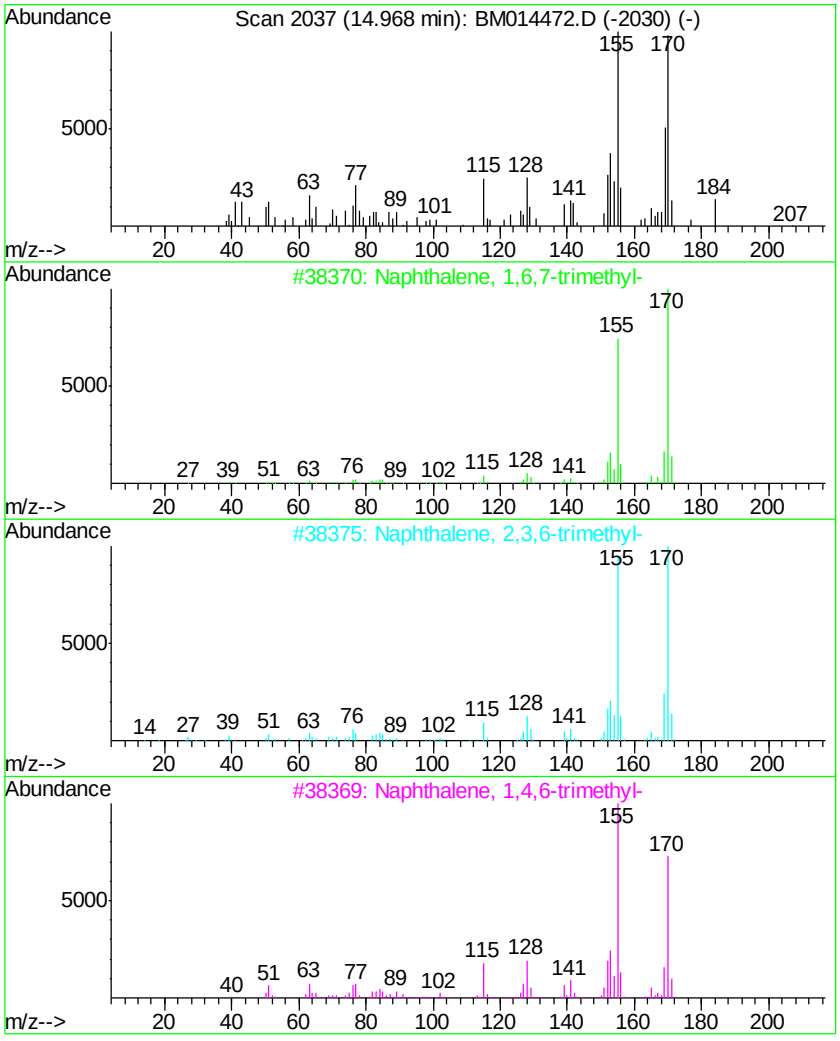
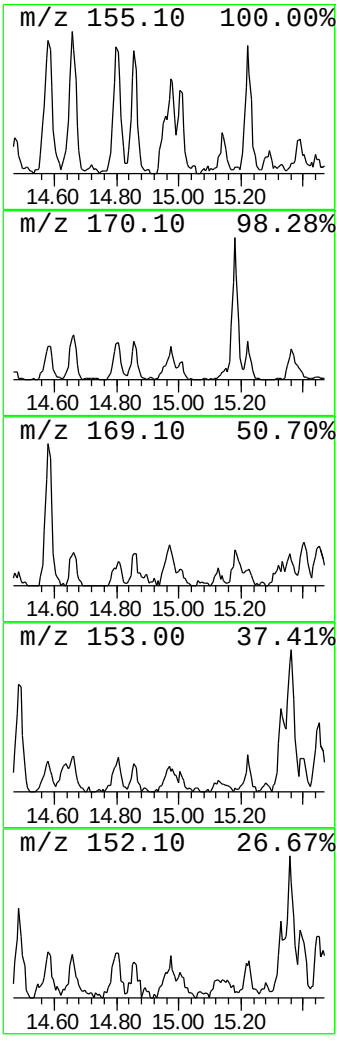
Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.37 ng/ul	191802	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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

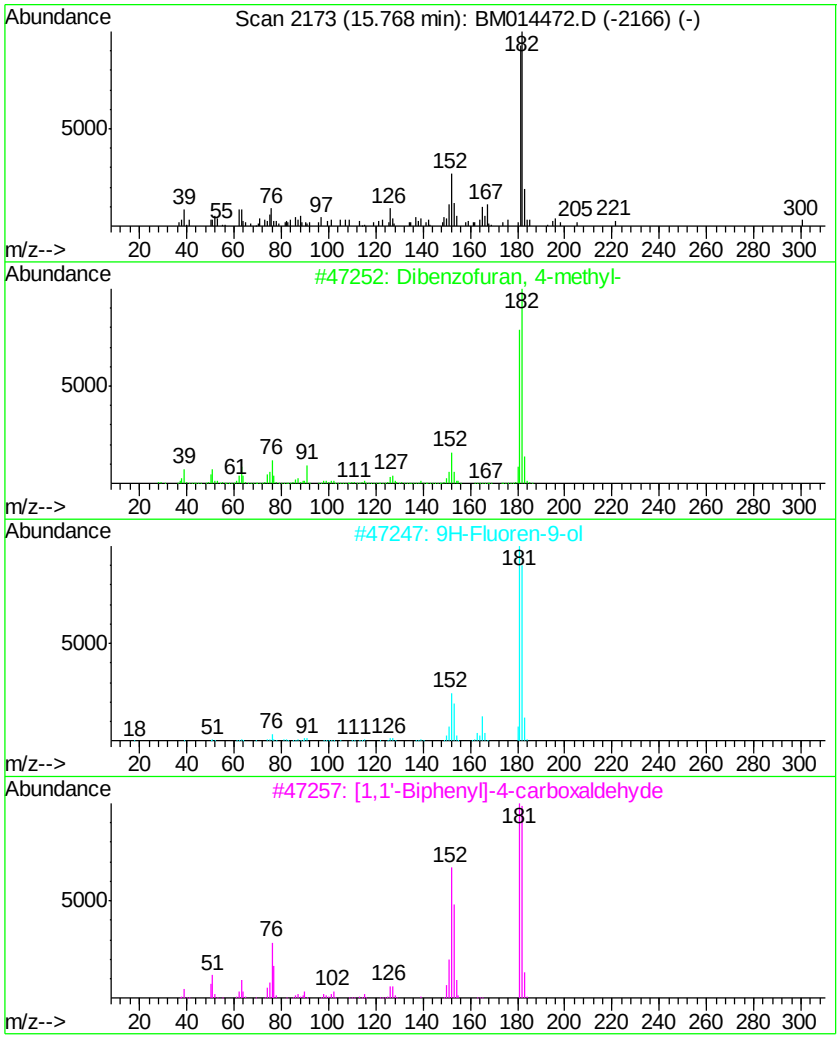
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

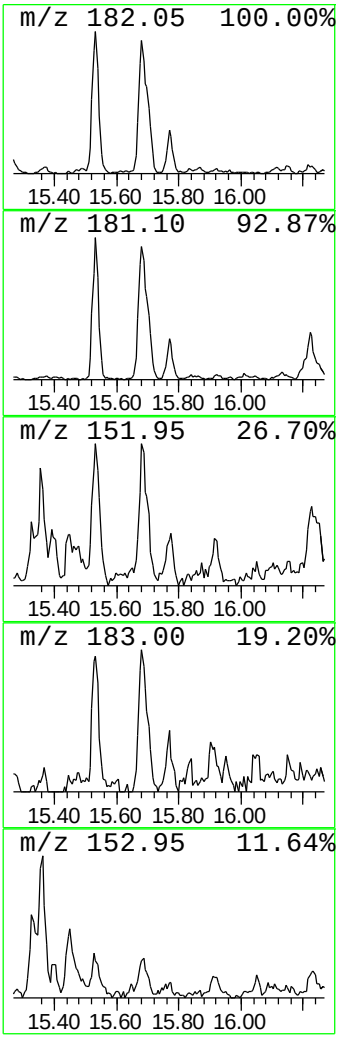
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	2.74 ng/ul	215953	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
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Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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

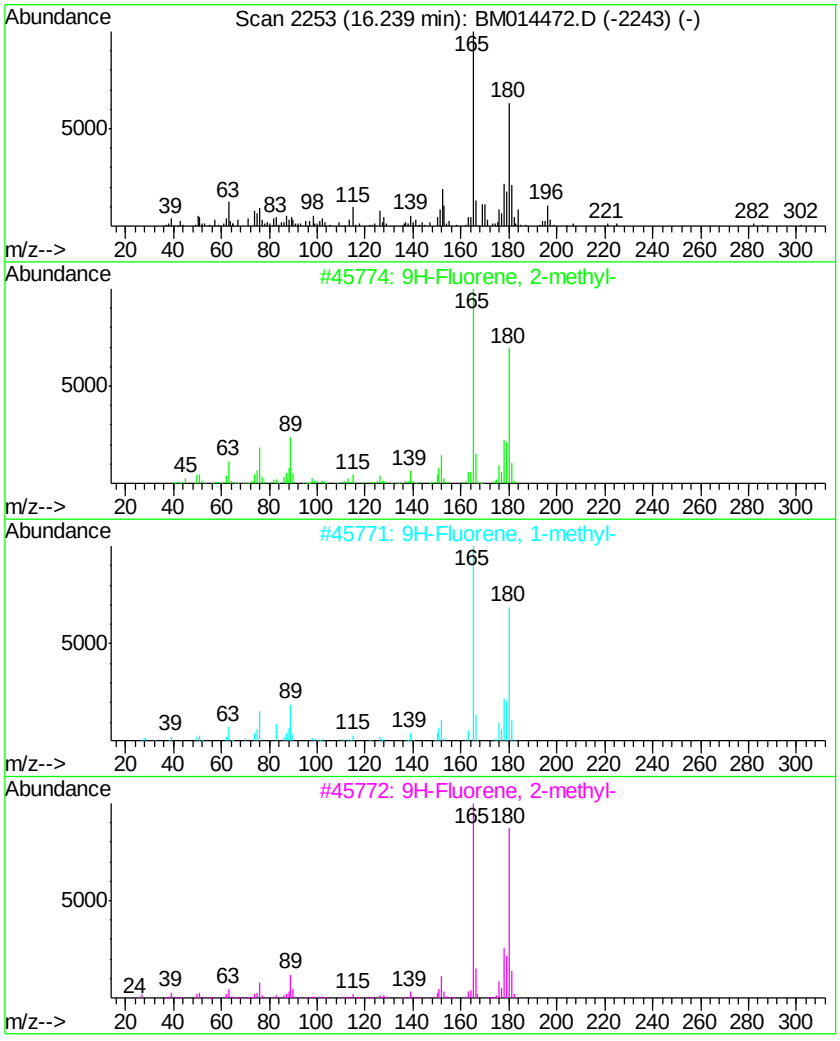
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

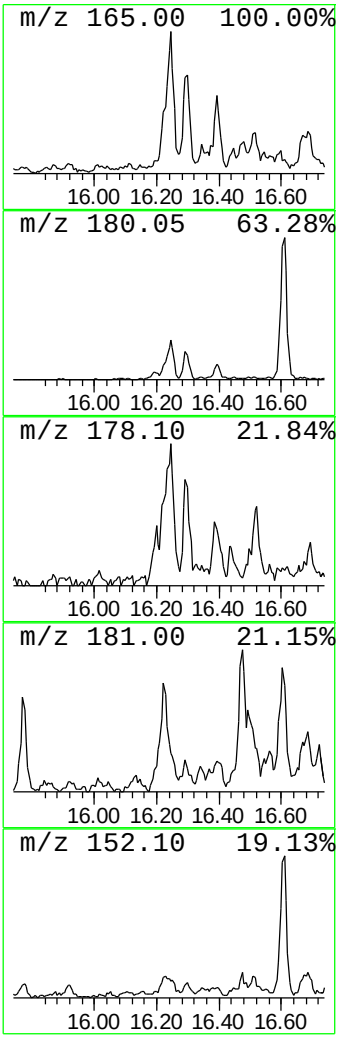
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	6.98 ng/ul	549368	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
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Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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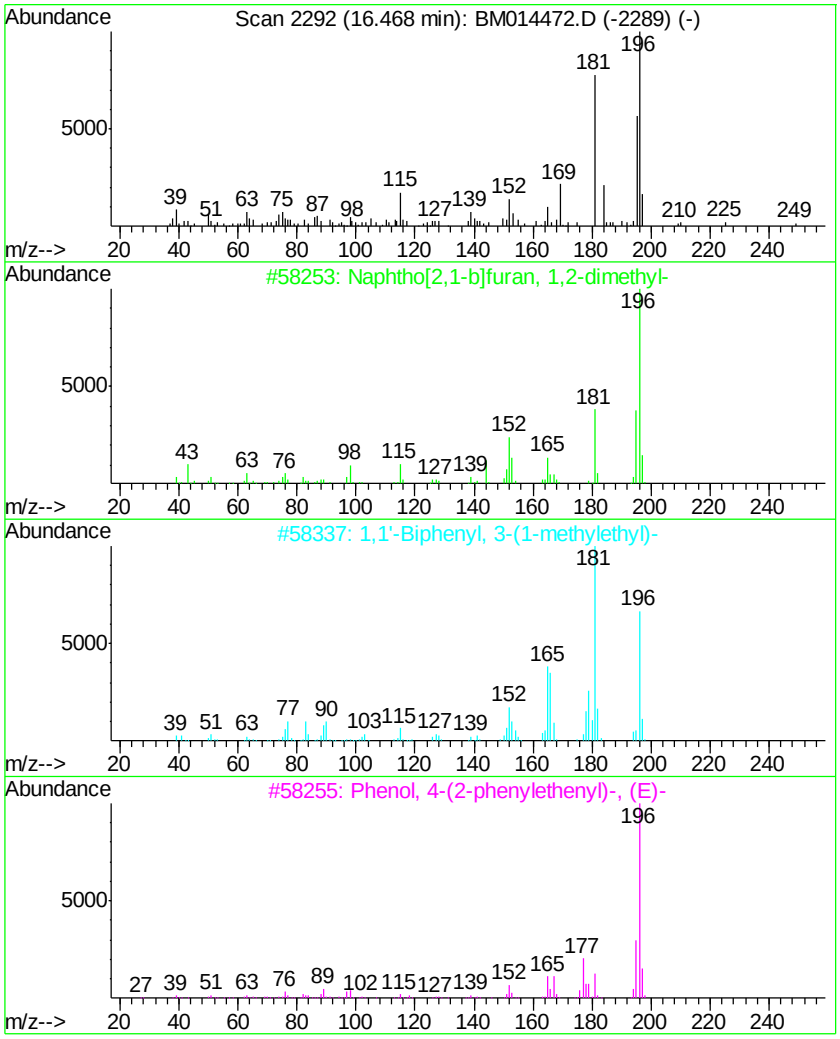
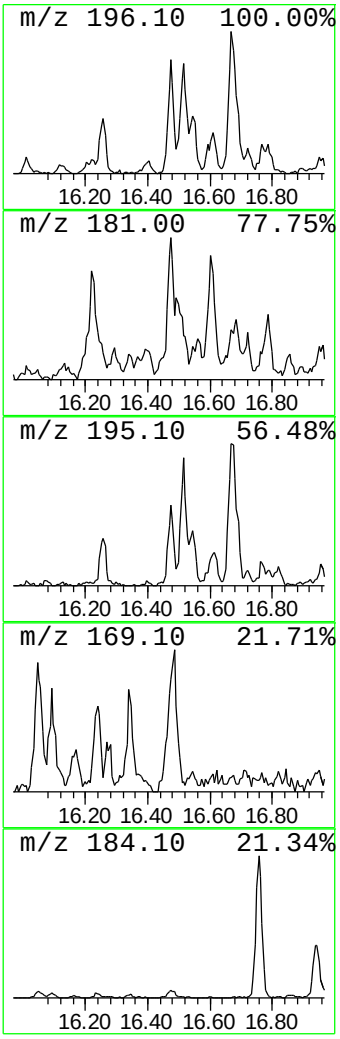
Peak Number 9 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	3.24 ng/ul	254818	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	70
2	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	47
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	43





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Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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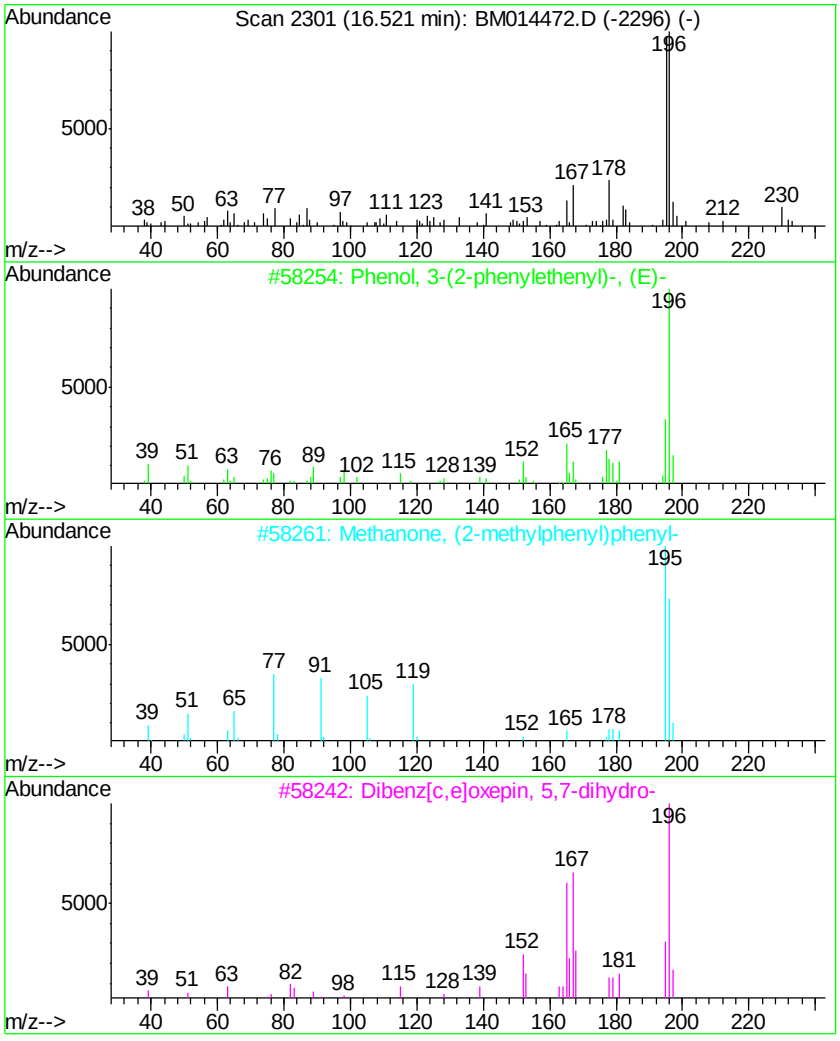
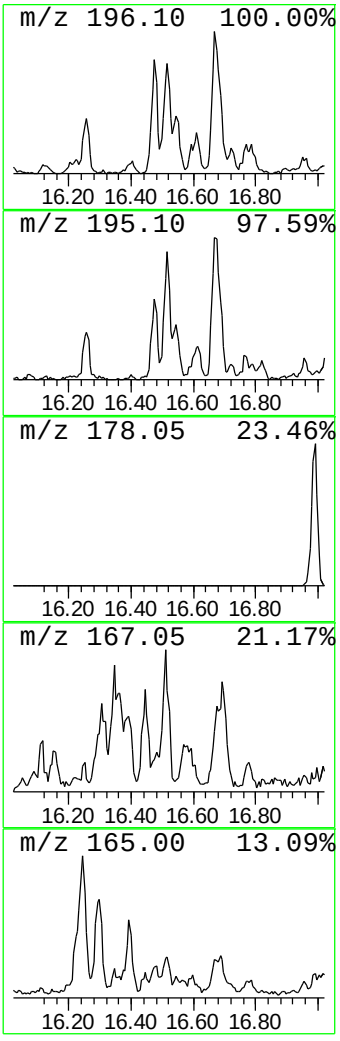
Peak Number 10 Phenol, 3-(2-phenylethenyl)... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.71 ng/ul	213510	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	53
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	49
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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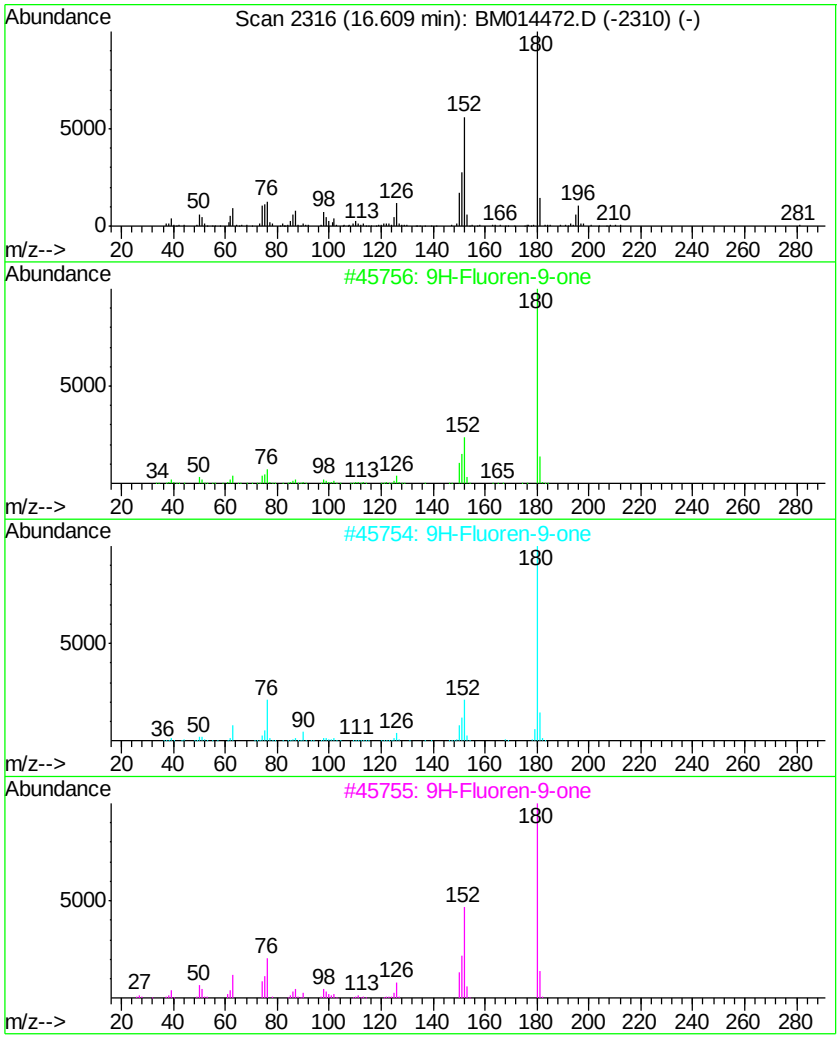
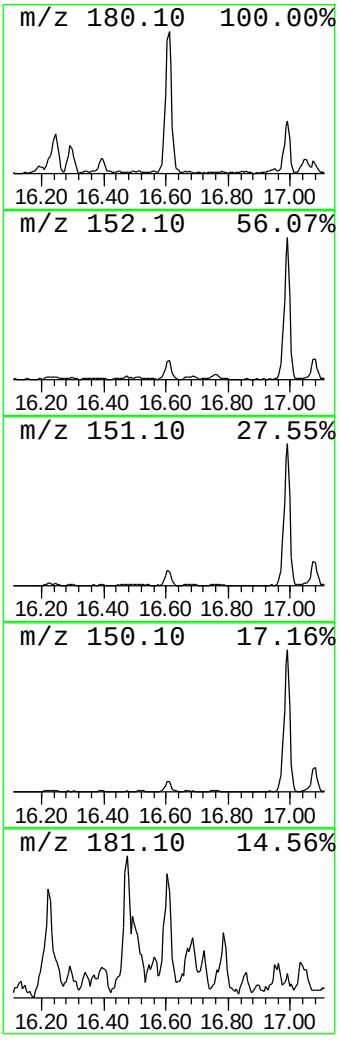
Peak Number 11 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	8.63 ng/ul	679451	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	87





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Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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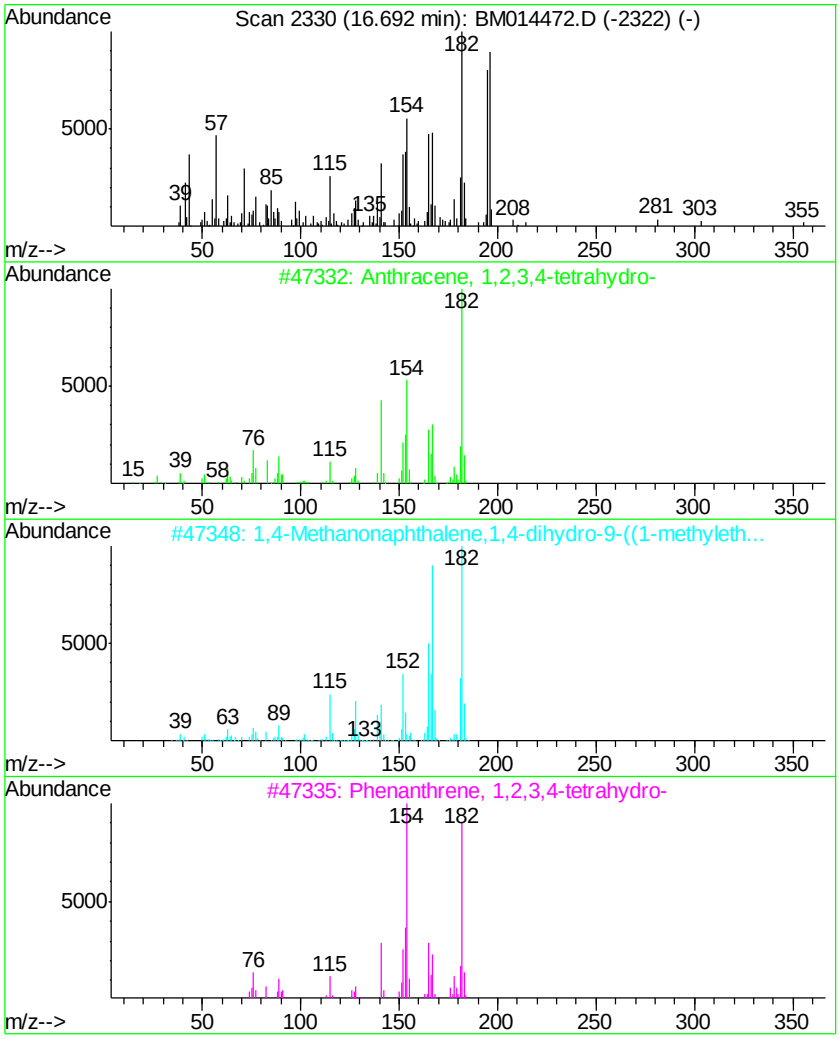
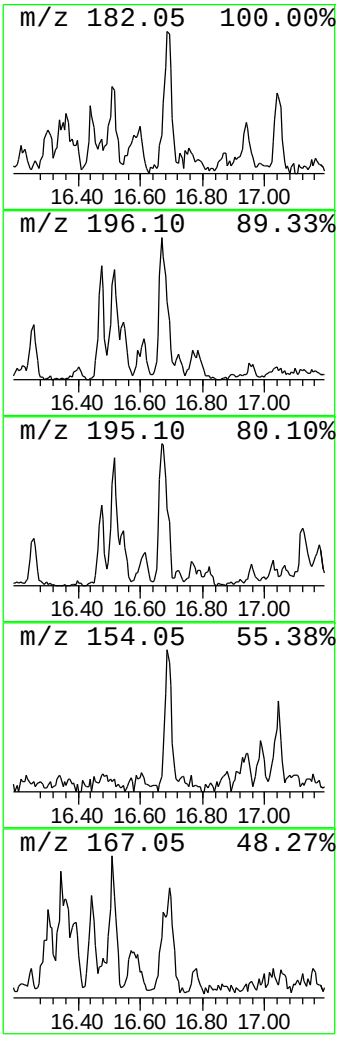
Peak Number 12 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	7.15 ng/ul	562488	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	50
2	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	46
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	42
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	38
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	38





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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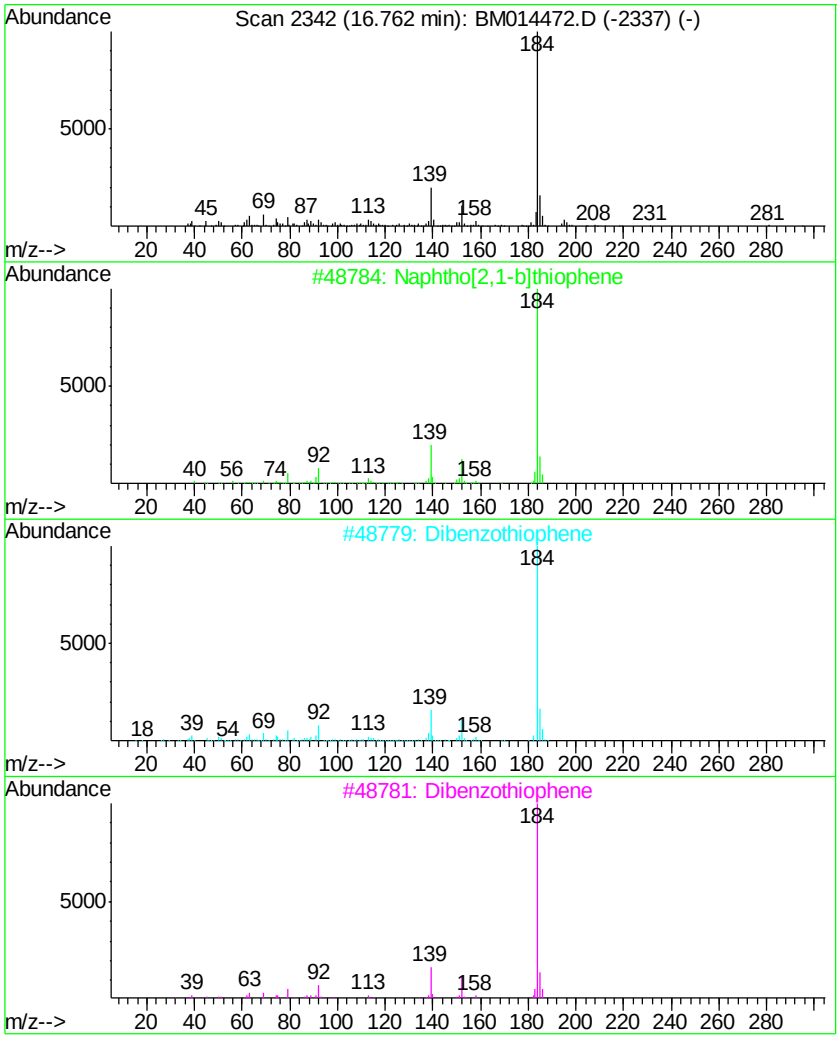
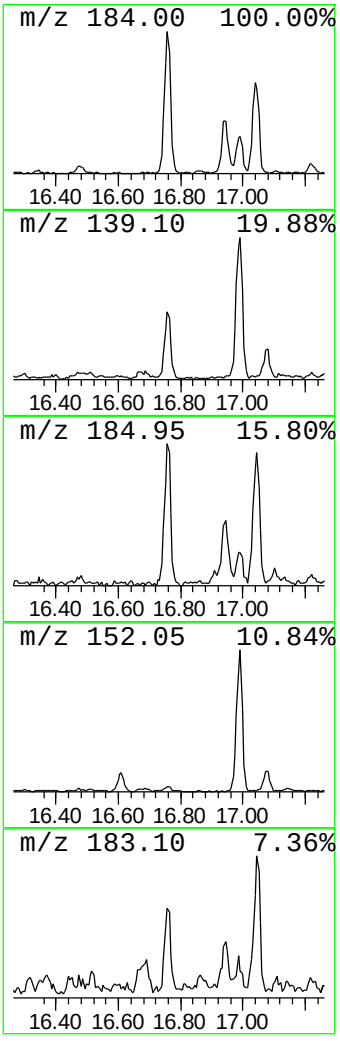
Peak Number 13 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	8.95 ng/ul	704015	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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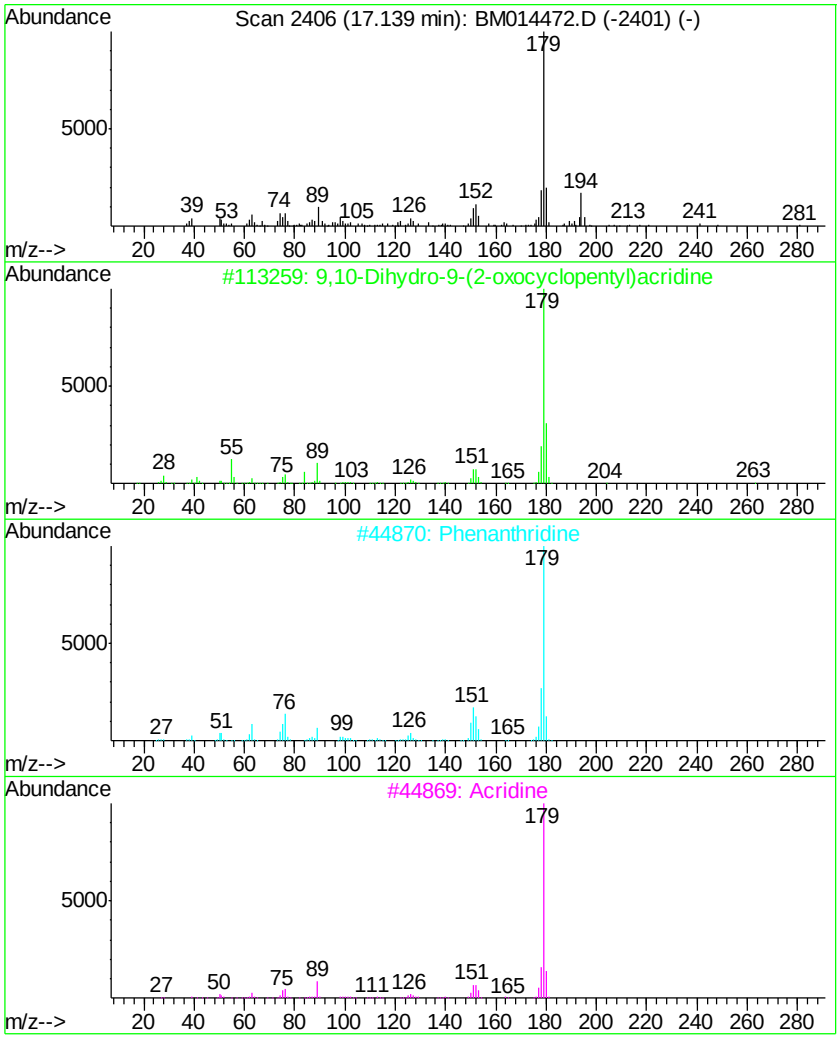
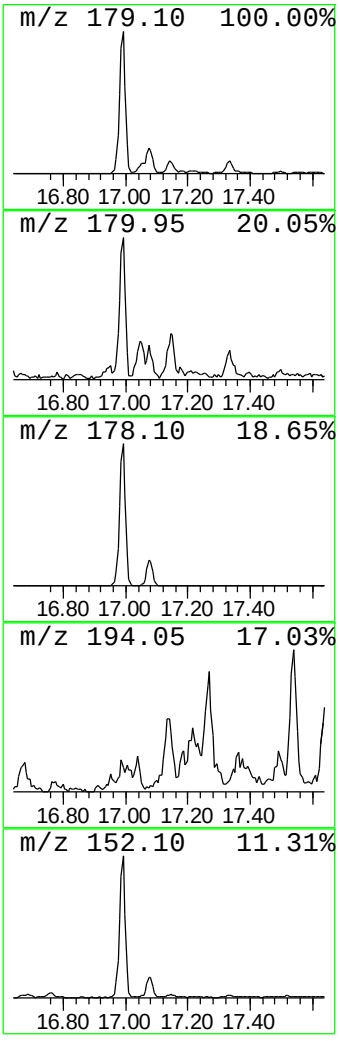
Peak Number 14 9,10-Dihydro-9-(2-oxocyclop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	4.22 ng/ul	331792	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dihydro-9-(2-oxocyclopentyl...	263	C18H17NO	015539-19-2	86
2	Phenanthridine	179	C13H9N	000229-87-8	81
3	Acridine	179	C13H9N	000260-94-6	81
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	81
5	Acridine	179	C13H9N	000260-94-6	76





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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Quant Title : SVOA CALIBRATION

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

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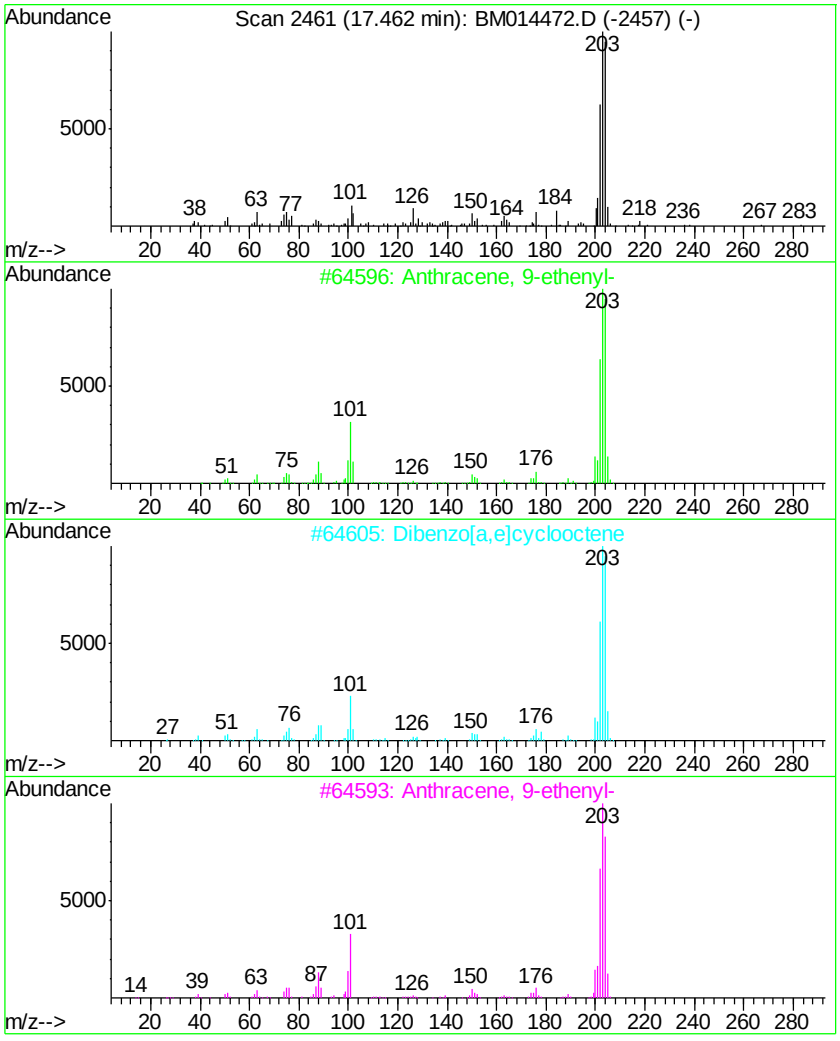
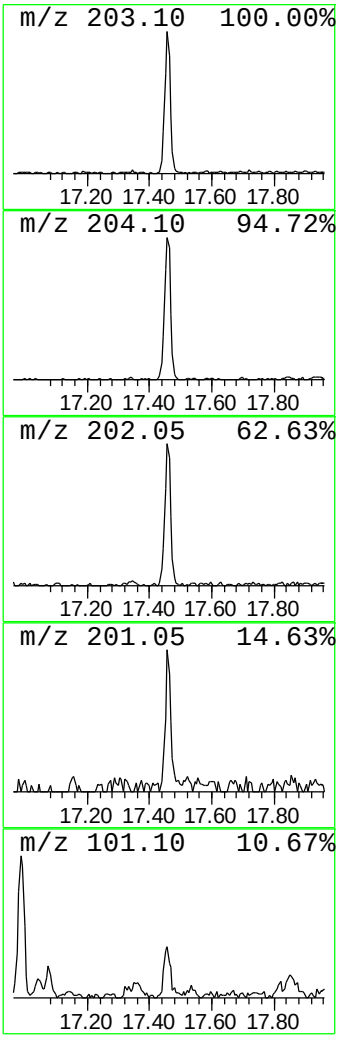
Peak Number 15 Anthracene, 9-ethenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.78 ng/ul	219164	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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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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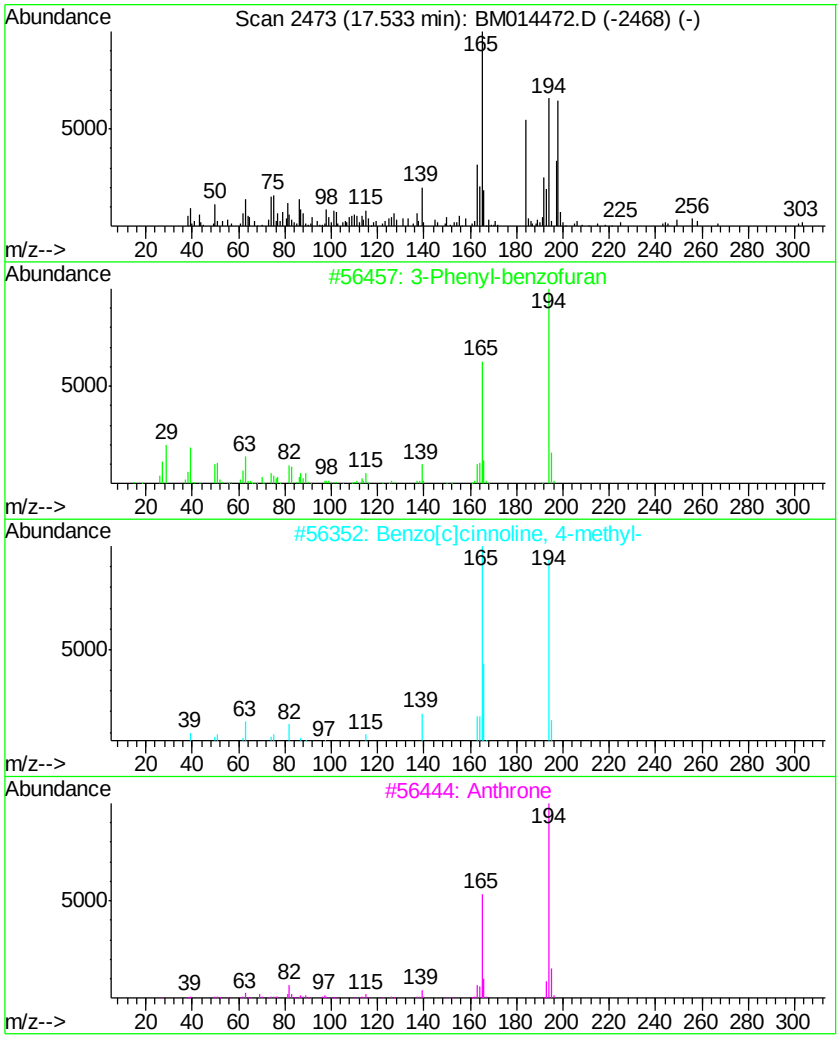
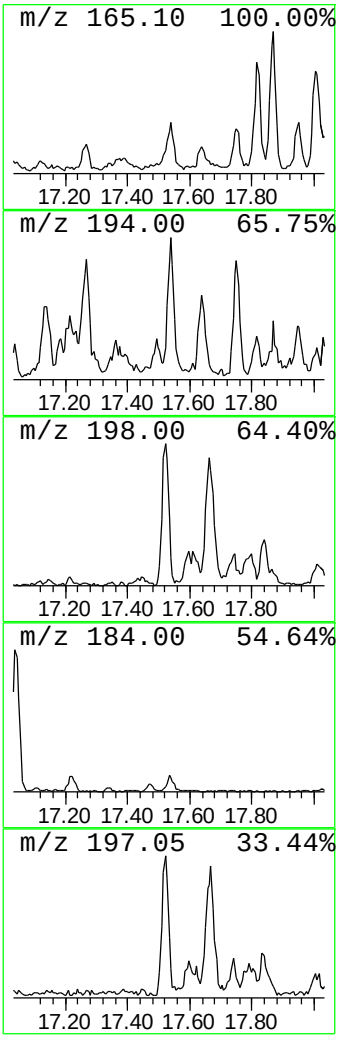
Peak Number 16 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	6.37 ng/ul	501105	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	49
2	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	43
3	Anthrone	194	C14H10O	000090-44-8	38
4	9-Ethylfluorene	194	C15H14	002294-82-8	35
5	Phenanthrene, 1,2,3,3a-tetrahydr...	194	C15H14	091077-10-0	35





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Quant Title : SVOA CALIBRATION

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

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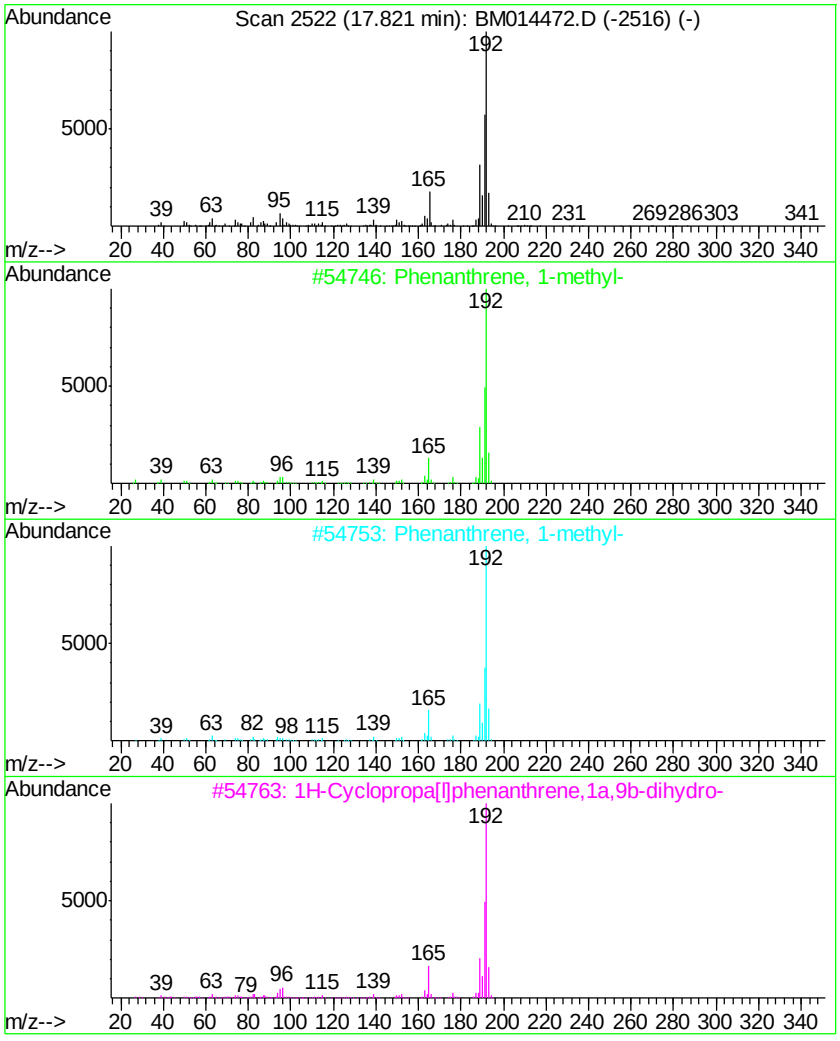
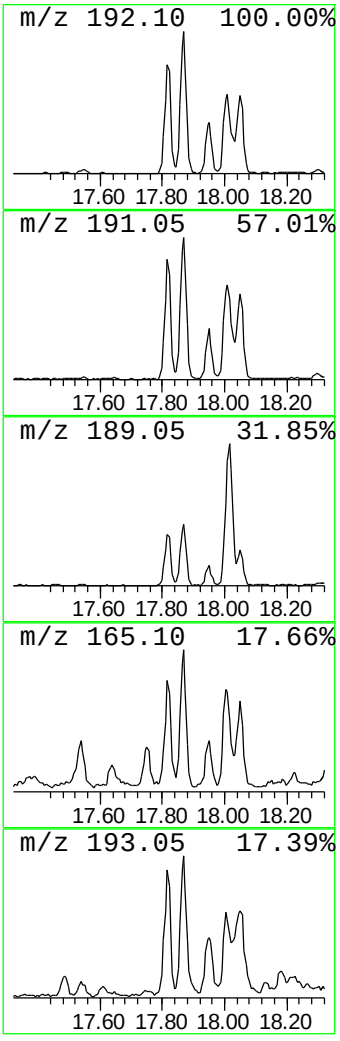
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	21.42 ng/ul	1685660	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Misc :
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Quant Title : SVOA CALIBRATION

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

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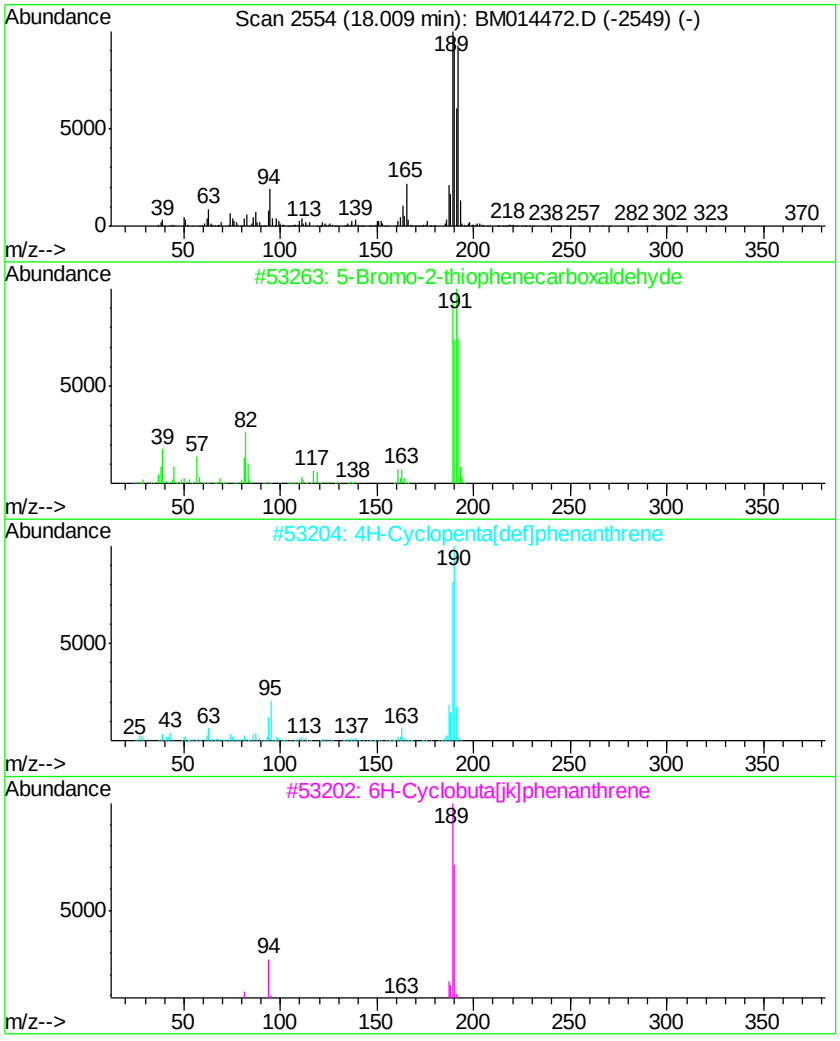
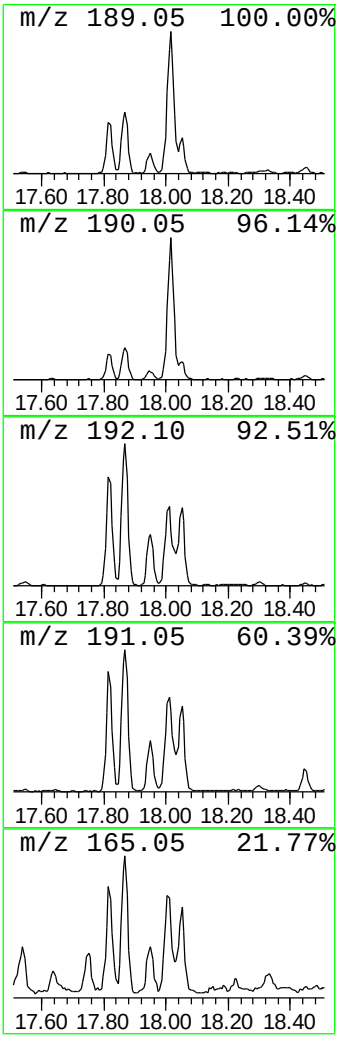
Peak Number 20 5-Bromo-2-thiophenecarboxal... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	34.32 ng/ul	2701230	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Quant Title : SVOA CALIBRATION

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

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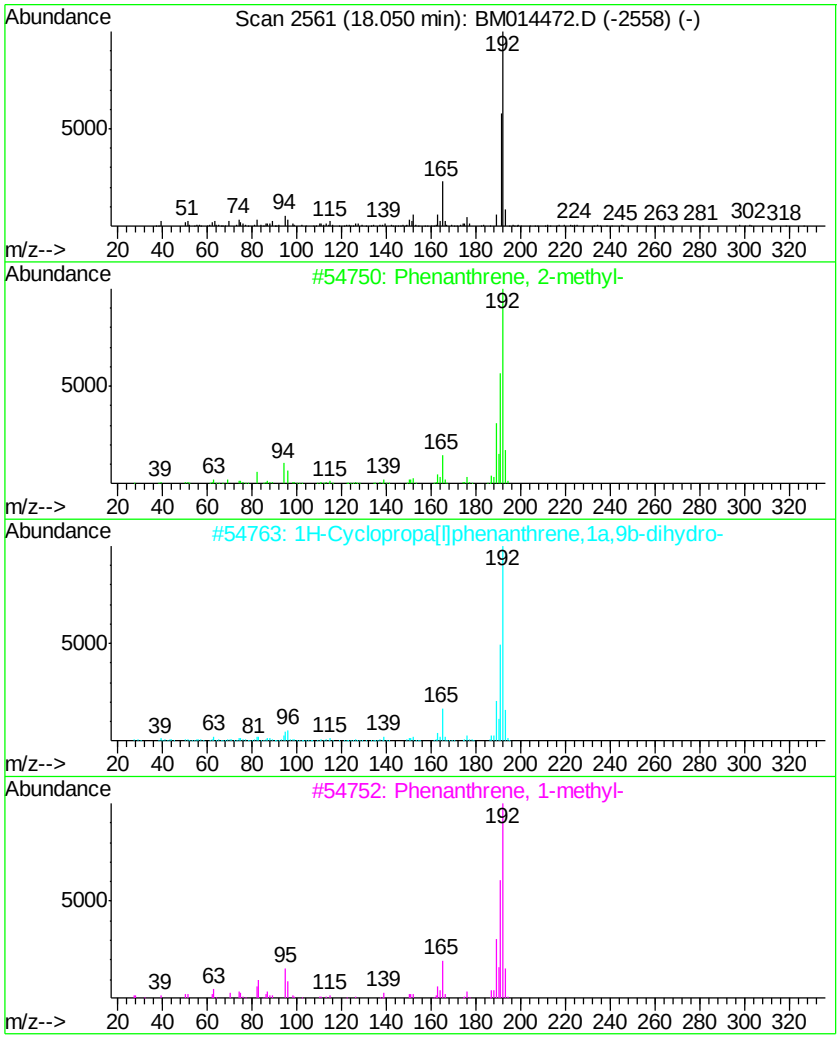
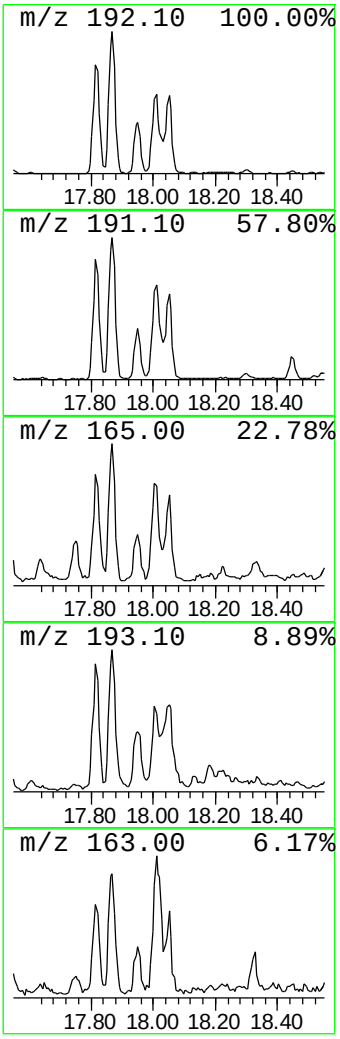
Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	15.12 ng/ul	1190010	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80





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Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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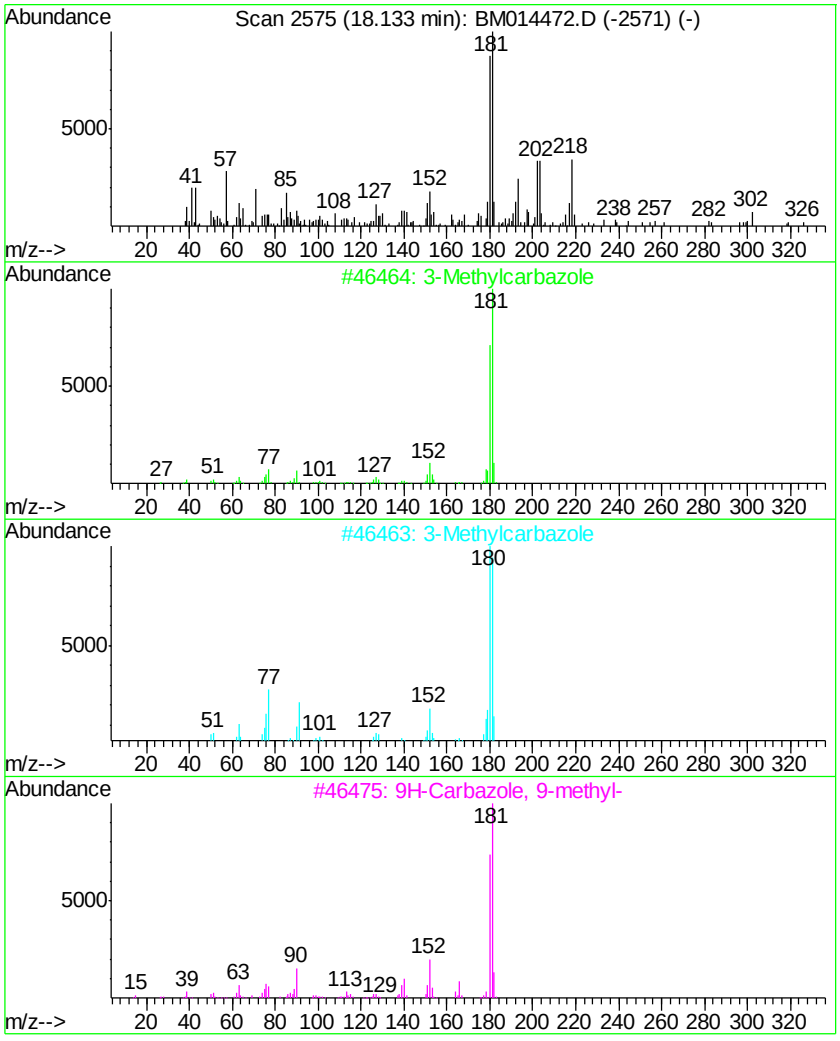
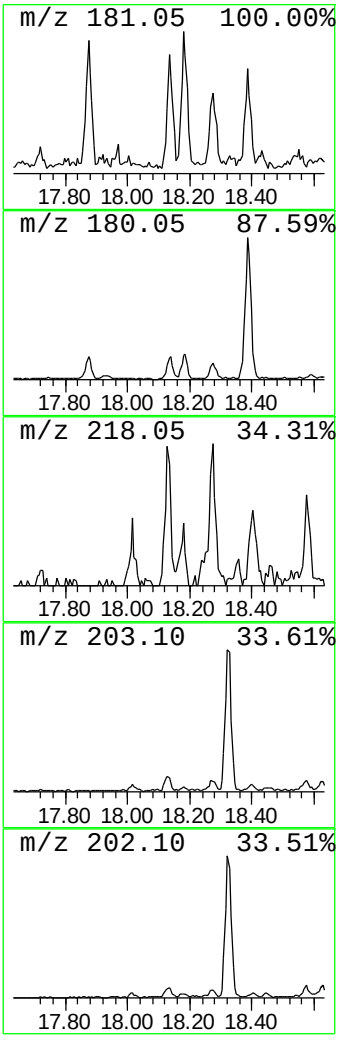
Peak Number 22 3-Methylcarbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.71 ng/ul	292051	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	78
2	3-Methylcarbazole	181	C13H11N	004630-20-0	78
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	78
4	3-Methylcarbazole	181	C13H11N	004630-20-0	78
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	60





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Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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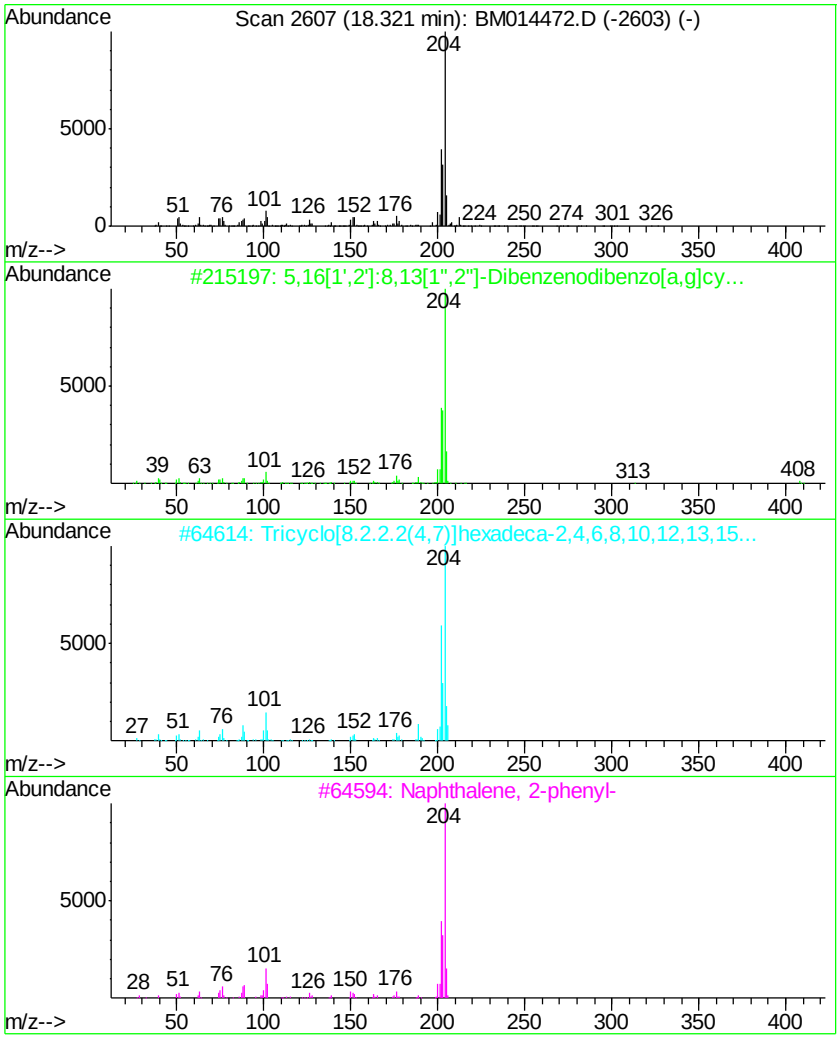
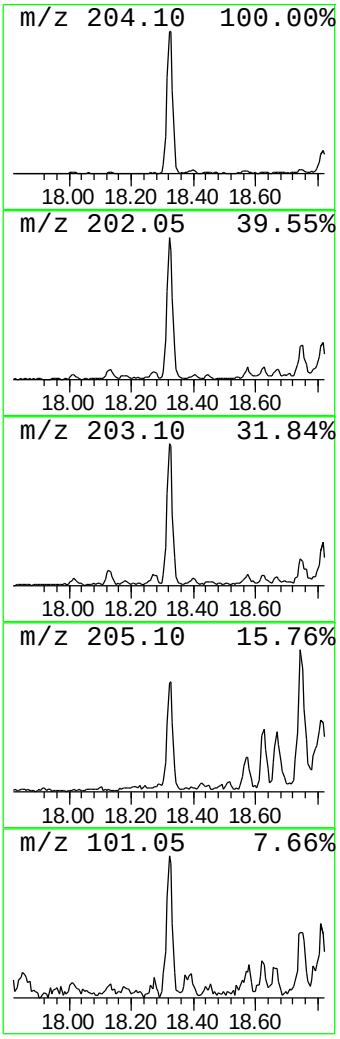
Peak Number 23 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	13.71 ng/ul	1078760	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	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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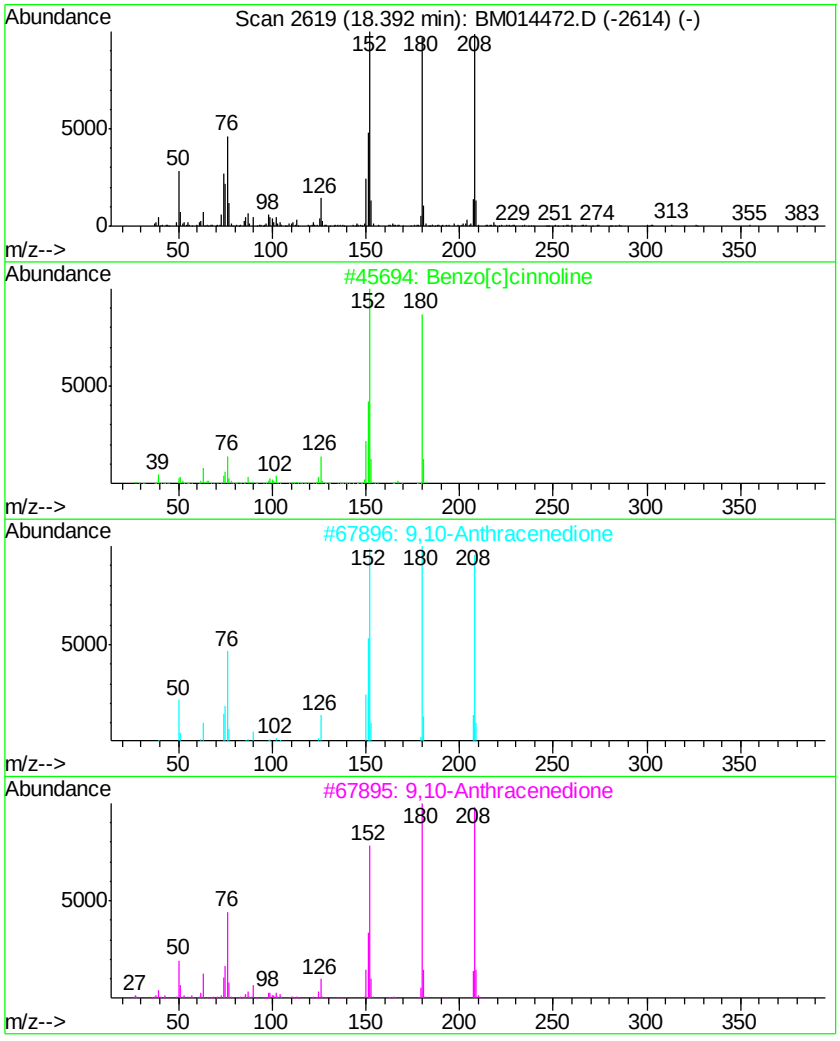
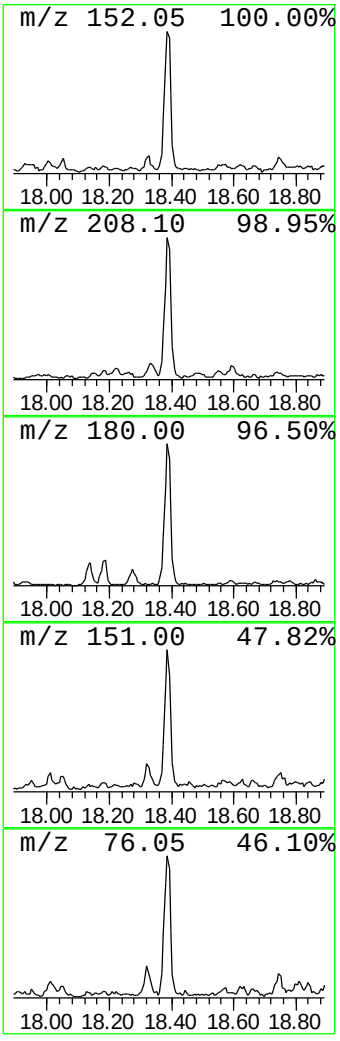
Peak Number 24 Benzo[c]cinnoline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	15.69 ng/ul	1234500	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90





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Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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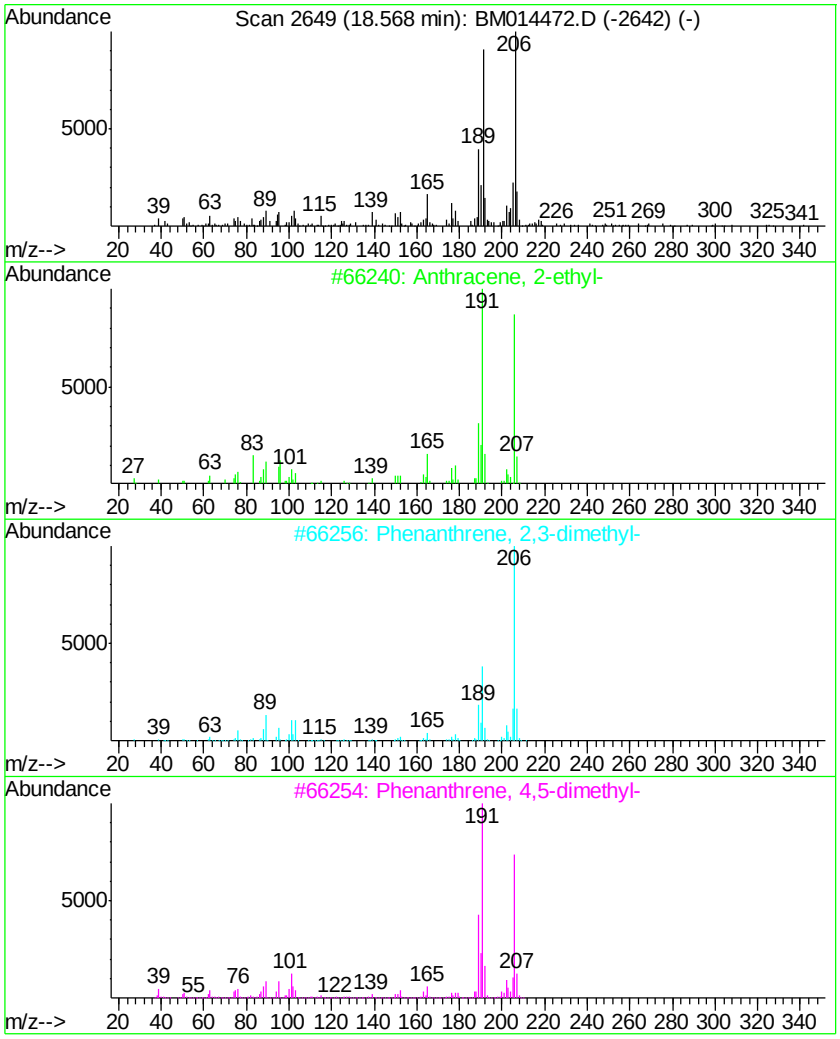
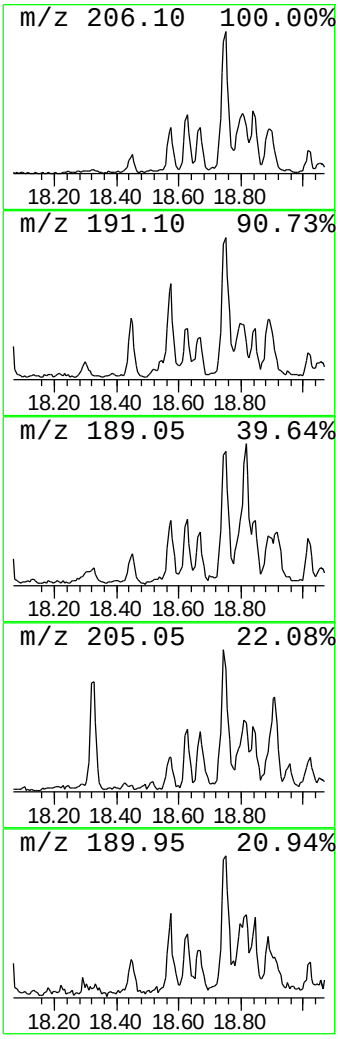
Peak Number 25 Anthracene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	8.91 ng/ul	701149	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89





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Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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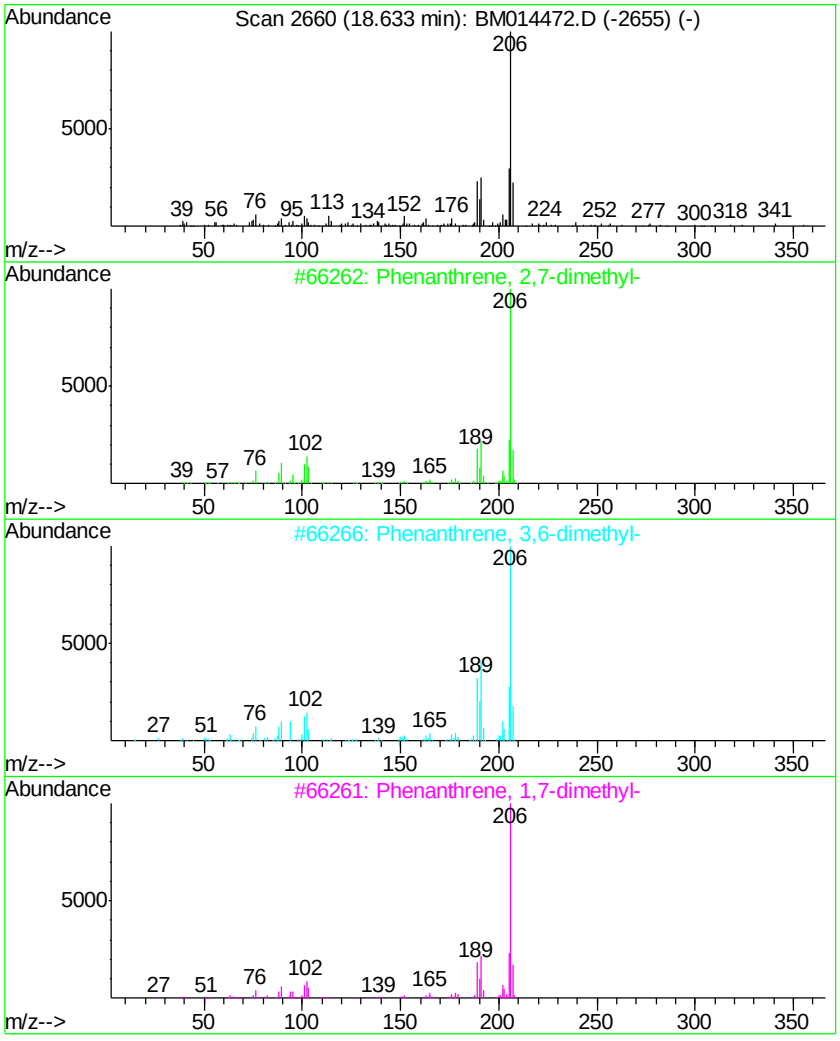
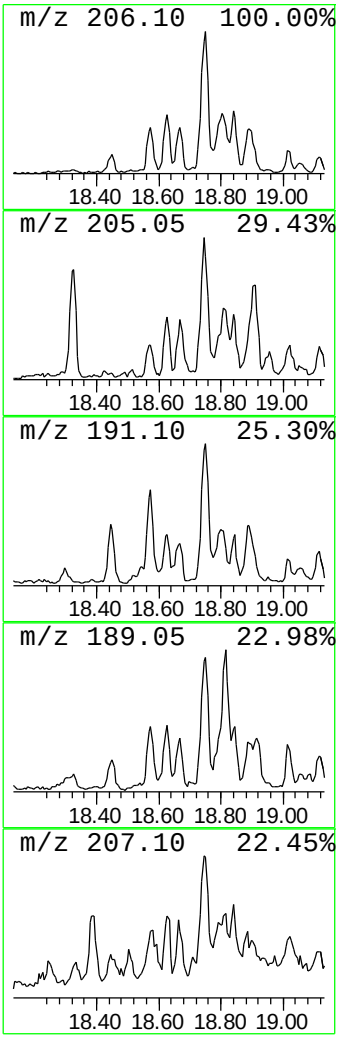
Peak Number 26 Phenanthrene, 2,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.46 ng/ul	350851	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





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Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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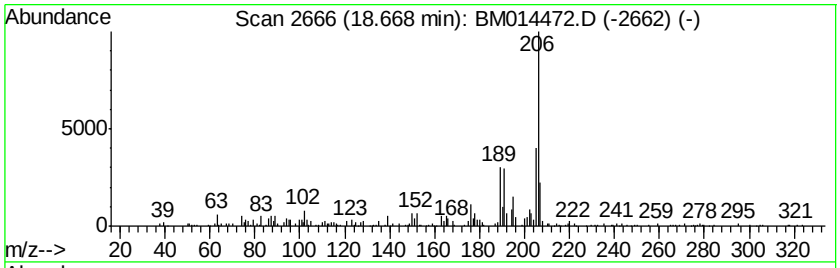
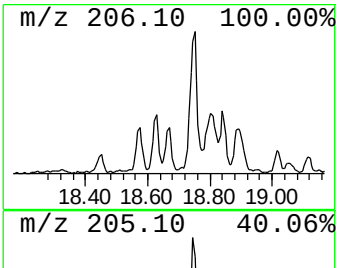
Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	4.79 ng/ul	376773	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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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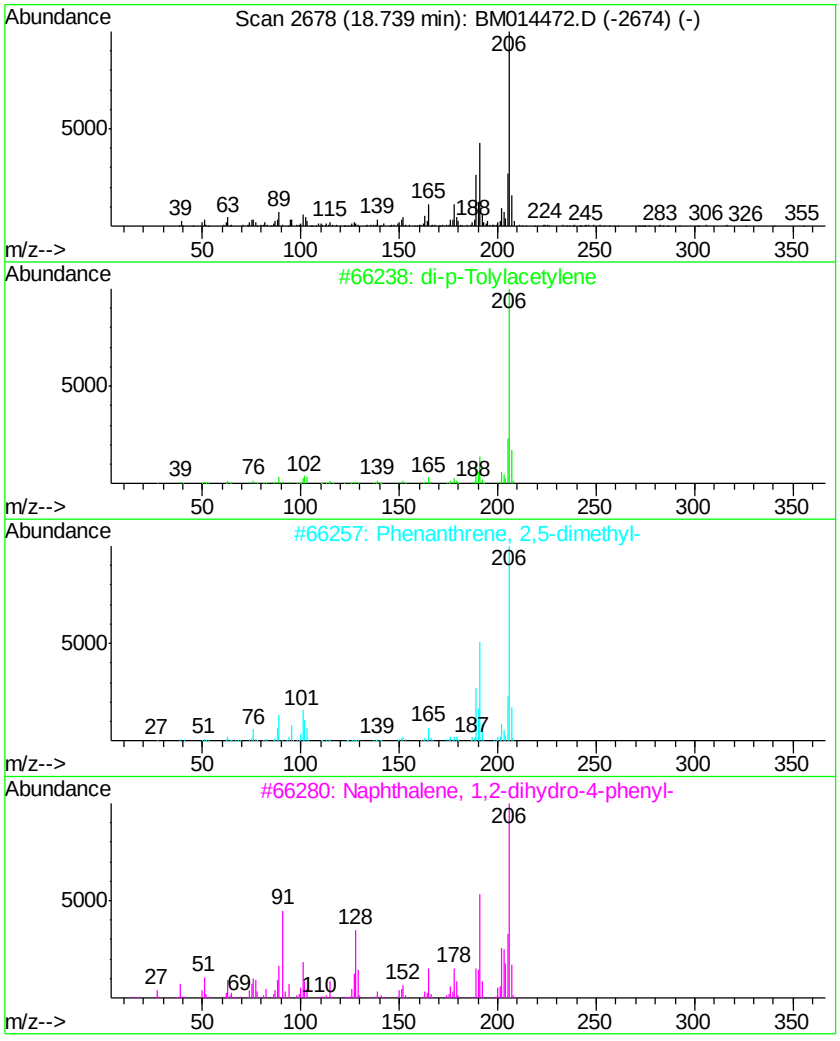
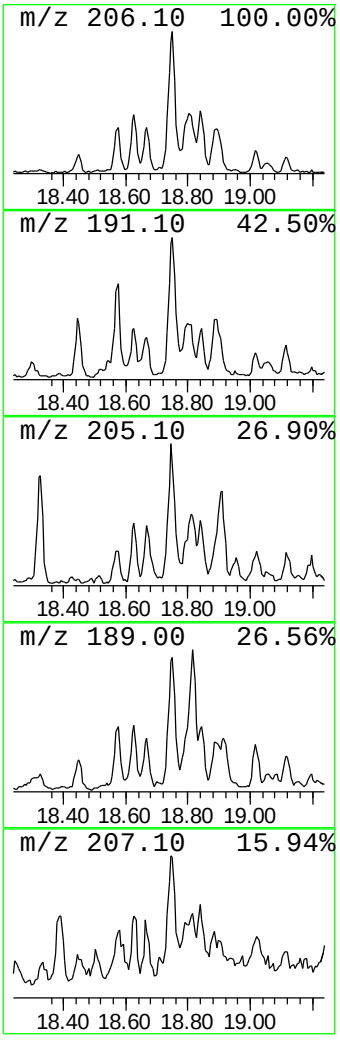
Peak Number 28 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	14.95 ng/ul	1176460	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
Data File : BM014472.D
Acq On : 05 Mar 2018 14:35
Operator : SJ/JU
Sample : J1678-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T9

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...	12.19	4.4	ng/ul	245977	2	10.28	1129590	20.0
Naphthalene, 1,3-...	13.49	4.3	ng/ul	345216	3	14.17	1616560	20.0
Naphthalene, 1,6,...	14.97	2.4	ng/ul	191802	3	14.17	1616560	20.0
Dibenzofuran, 4-m...	15.77	2.7	ng/ul	215953	4	16.94	1574070	20.0
9H-Fluorene, 2-me...	16.24	7.0	ng/ul	549368	4	16.94	1574070	20.0
Naphtho[2,1-b]fur...	16.47	3.2	ng/ul	254818	4	16.94	1574070	20.0
Phenol, 3-(2-phen...	16.52	2.7	ng/ul	213510	4	16.94	1574070	20.0
9H-Fluoren-9-one	16.61	8.6	ng/ul	679451	4	16.94	1574070	20.0
Anthracene, 1,2,3...	16.69	7.2	ng/ul	562488	4	16.94	1574070	20.0
Naphtho[2,1-b]thi...	16.76	8.9	ng/ul	704015	4	16.94	1574070	20.0
9,10-Dihydro-9-(2...	17.14	4.2	ng/ul	331792	4	16.94	1574070	20.0
Anthracene, 9-eth...	17.46	2.8	ng/ul	219164	4	16.94	1574070	20.0
unknown-01	17.53	6.4	ng/ul	501105	4	16.94	1574070	20.0
Phenanthrene, 1-m...	17.82	21.4	ng/ul	1685660	4	16.94	1574070	20.0
5-Bromo-2-thiophe...	18.01	34.3	ng/ul	2701230	4	16.94	1574070	20.0
Phenanthrene, 2-m...	18.05	15.1	ng/ul	1190010	4	16.94	1574070	20.0
3-Methylcarbazole	18.13	3.7	ng/ul	292051	4	16.94	1574070	20.0
5,16[1',2']:8,13[...	18.32	13.7	ng/ul	1078760	4	16.94	1574070	20.0
Benzo[c]cinnoline	18.39	15.7	ng/ul	1234500	4	16.94	1574070	20.0
Anthracene, 2-ethyl-	18.57	8.9	ng/ul	701149	4	16.94	1574070	20.0
Phenanthrene, 2,7...	18.63	4.5	ng/ul	350851	4	16.94	1574070	20.0
Phenanthrene, 3,6...	18.67	4.8	ng/ul	376773	4	16.94	1574070	20.0
di-p-Tolylacetylene	18.74	14.9	ng/ul	1176460	4	16.94	1574070	20.0