LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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	6.716	627	634	653	rBV	446494	900219	4.07%	0.501%
2	6.863	653	659	670	rBV	358558	592679	2.68%	0.330%
3	7.057	685	692	700	rBV	528811	912644	4.13%	0.508%
4	7.510	761	769	780	rBV	667475	1125625	5.09%	0.626%
5	8.239	887	893	905	rBV	603556	1098275	4.97%	0.611%
6	8.675	960	967	978	rBV2	545599	990721	4.48%	0.551%
7	9.386	1081	1088	1100	rBV	471957	846053	3.83%	0.471%
8	9.927	1173	1180	1193	rBV	632520	1251960	5.66%	0.697%
9	10.286	1230	1241	1246	rBV	1018859	1722007	7.79%	0.958%
10	10.445	1261	1268	1281	rBV2	434411	945443	4.28%	0.526%
11	13.492	1778	1786	1790	rBV	174468	312264	1.41%	0.174%
12	13.598	1798	1804	1808	rBV	1295072	1707347	7.72%	0.950%
13	13.645	1808	1812	1818	rVB	407429	580310	2.63%	0.323%
14	13.863	1842	1849	1860	rBV	1488900	2581717	11.68%	1.436%
15	14.174	1889	1902	1908	rBV2	1521316	2422338	10.96%	1.348%
16	14.239	1908	1913	1922	rVB	447607	696125	3.15%	0.387%
17	14.457	1945	1950	1963	rBV4	261708	709478	3.21%	0.395%
18	14.580	1965	1971	1977	rVV	717773	1098666	4.97%	0.611%
19	15.180	2066	2073	2077	rBV	1787962	2471000	11.18%	1.375%
20	15.233	2077	2082	2088	rVB	1328898	1820750	8.24%	1.013%
21	15.527	2127	2132	2139	rVB	361143	571416	2.59%	0.318%
22	15.674	2149	2157	2166	rBV	376343	815999	3.69%	0.454%
23	16.245	2245	2254	2258	rBV4	302644	652395	2.95%	0.363%
24	16.474	2284	2293	2296	rBV3	222080	381005	1.72%	0.212%
25	16.604	2310	2315	2321	rVB	470036	685052	3.10%	0.381%
26	16.668	2321	2326	2334	rVV3	213667	541149	2.45%	0.301%
27	16.756	2336	2341	2350	rVB	705612	1143041	5.17%	0.636%
28	16.939	2365	2372	2375	rBV	1764671	2636336	11.93%	1.467%
29	16.992	2375	2381	2385	rVV	14408761	20365635	92.14%	11.330%
30	17.039	2385	2389	2392	rVV	2051337	2978498	13.47%	1.657%
31	17.074	2392	2395	2400	rVV	2958270	3733546	16.89%	2.077%
32	17.139	2400	2406	2411	rVV3	193422	368729	1.67%	0.205%
33	17.356	2434	2443	2452	rBV	1186971	2076859	9.40%	1.155%
34	17.456	2457	2460	2464	rVV	209377	299948	1.36%	0.167%

LSC Area Percent Report

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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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	17.527	2467	2472	2478	rVB4	178357	414470	1.88%	0.231%
36	17.815	2516	2521	2524	rBV	1205974	1618682	7.32%	0.901%
37	17.862	2524	2529	2536	rVB	1835861	3095311	14.00%	1.722%
38	17.945	2538	2543	2548	rVB	562965	766289	3.47%	0.426%
39	18.009	2548	2554	2558	rBV2	1658602	2939848	13.30%	1.636%
40	18.045	2558	2560	2567	rVB	747348	900992	4.08%	0.501%
41	18.127	2570	2574	2579	rBV2	236429	338718	1.53%	0.188%
42	18.321	2602	2607	2612	rVB	867875	1143898	5.18%	0.636%
43	18.380	2613	2617	2624	rBV	432021	624599	2.83%	0.347%
44	18.568	2645	2649	2654	rVB	220076	314160	1.42%	0.175%
45	18.621	2654	2658	2661	rVV	285308	327955	1.48%	0.182%
46	18.662	2661	2665	2669	rVB	227525	305345	1.38%	0.170%
47	18.745	2674	2679	2683	rBV2	526314	897886	4.06%	0.500%
48	18.897	2699	2705	2711	rBV4	427392	851639	3.85%	0.474%
49	19.021	2719	2726	2731	rBV	16642496	22104119	100.00%	12.297%
50	19.080	2731	2736	2739	rVV2	162893	276571	1.25%	0.154%
51	19.115	2739	2742	2744	rVV2	259203	337561	1.53%	0.188%
52	19.139	2744	2746	2755	rVB4	303654	605812	2.74%	0.337%
53	19.256	2762	2766	2770	rVB	398820	535547	2.42%	0.298%
54	19.350	2777	2782	2784	rBV2	3781887	5396263	24.41%	3.002%
55	19.386	2784	2788	2795	rVV	11854600	15972393	72.26%	8.886%
56	19.450	2795	2799	2806	rVB2	532015	812199	3.67%	0.452%
57	19.562	2814	2818	2824	rVB	609915	791513	3.58%	0.440%
58	19.627	2825	2829	2834	rVB	391503	583069	2.64%	0.324%
59	19.709	2837	2843	2850	rBV3	623921	1593998	7.21%	0.887%
60	19.768	2850	2853	2855	rBV	207324	227374	1.03%	0.126%
61	19.850	2861	2867	2868	rBV4	541183	926302	4.19%	0.515%
62	19.880	2869	2872	2877	rVB	1666442	2202994	9.97%	1.226%
63	19.980	2885	2889	2893	rBV	1101732	1362561	6.16%	0.758%
64	20.039	2893	2899	2903	rVV2	796776	1457000	6.59%	0.811%
65	20.180	2920	2923	2926	rVB	355676	363044	1.64%	0.202%
66	20.221	2927	2930	2935	rVV3	384608	551521	2.50%	0.307%
67	20.639	2997	3001	3006	rBV	807174	1012474	4.58%	0.563%
68	20.797	3024	3028	3031	rBV	1008090	1246239	5.64%	0.693%
69	20.833	3031	3034	3037	rVV	852406	1128355	5.10%	0.628%
70	20.868	3037	3040	3048	rVV3	1254732	2348341	10.62%	1.306%
71	20.939	3049	3052	3057	rVB	778411	996010	4.51%	0.554%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5Z7

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	21.144	3082	3087	3092	rBV2	6126053	10804929	48.88%	6.011%
73	21.197	3092	3096	3104	rVB	4554549	5971418	27.01%	3.322%
74	21.309	3111	3115	3118	rBV	604192	799328	3.62%	0.445%
75	21.697	3178	3181	3184	rVB	642086	726782	3.29%	0.404%
76	22.697	3345	3351	3355	rBV	3000717	6403911	28.97%	3.563%
77	22.850	3374	3377	3385	rVB	591507	926037	4.19%	0.515%
78	23.150	3424	3428	3433	rBV	1334563	2210045	10.00%	1.230%
79	23.203	3433	3437	3440	rVV	985504	1566682	7.09%	0.872%
80	23.250	3440	3445	3453	rVB	2495191	4372931	19.78%	2.433%
81	23.338	3455	3460	3464	rBV	847710	1446475	6.54%	0.805%
82	25.509	3822	3829	3838	rVB2	1134309	2949611	13.34%	1.641%
83	26.173	3936	3942	3956	rVB	728443	2164003	9.79%	1.204%

Sum of corrected areas: 179748433

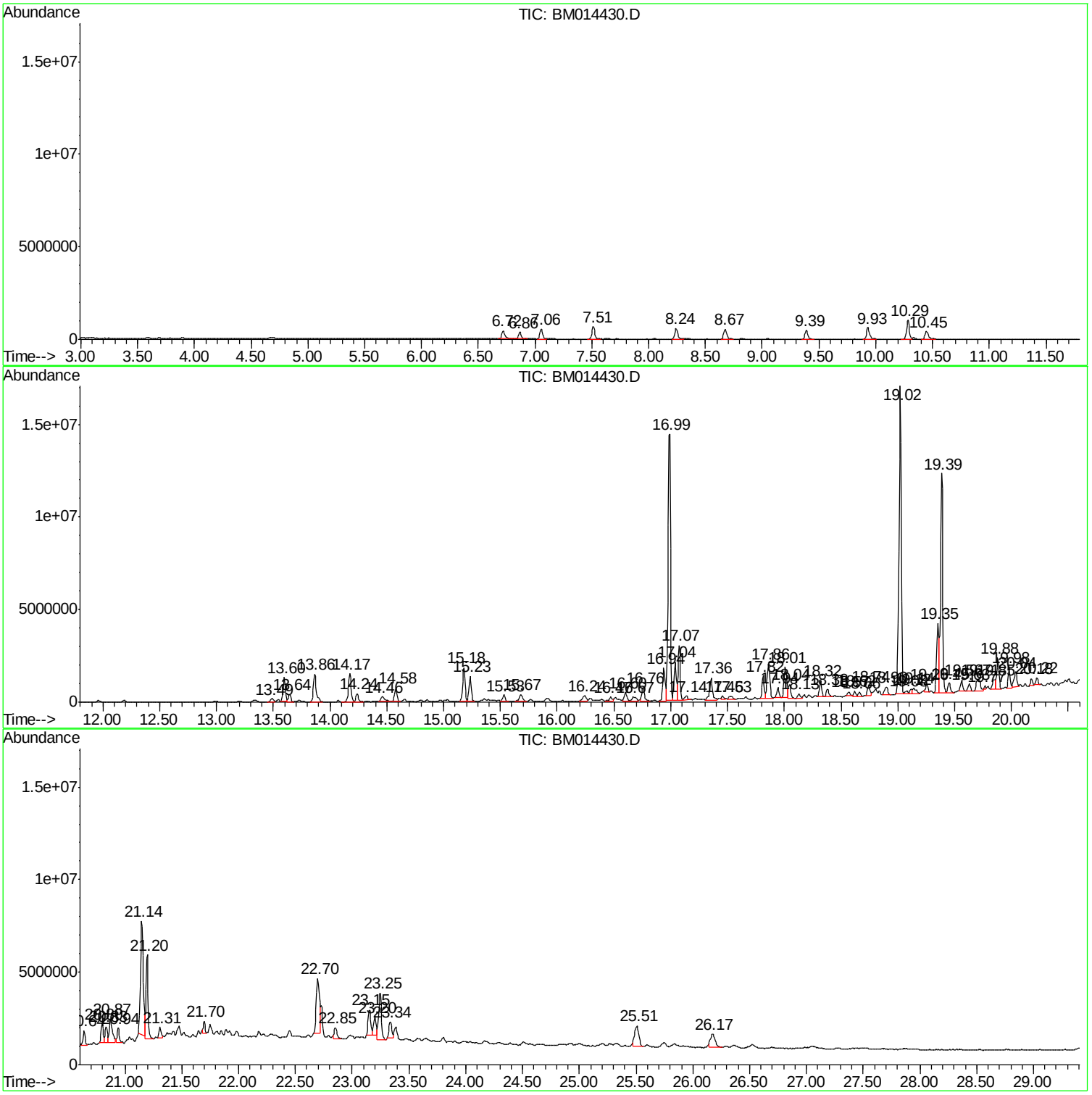
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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\BM022818\
Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

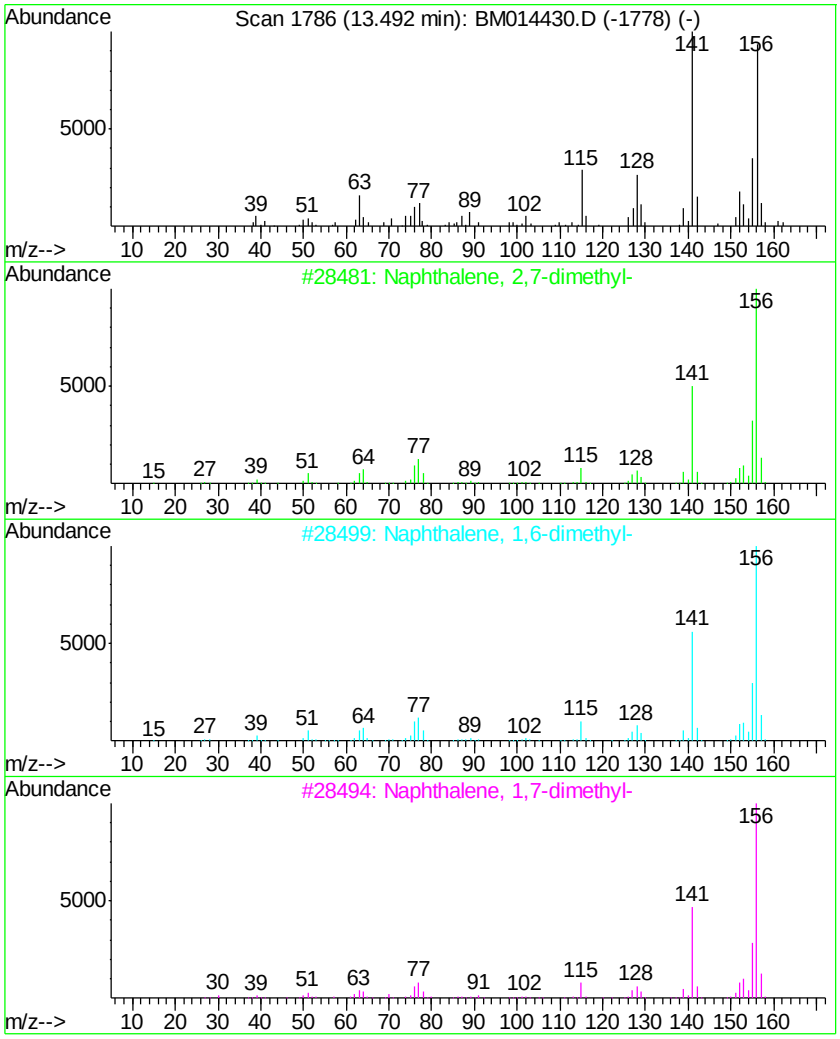
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

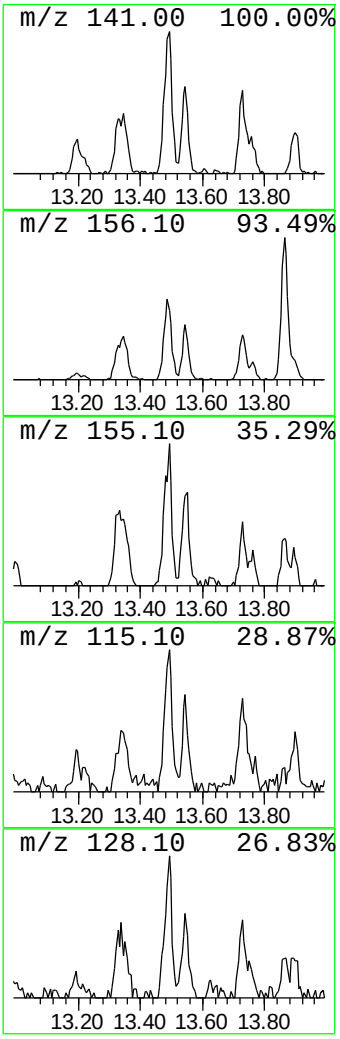
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.58 ng/ul	312264	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

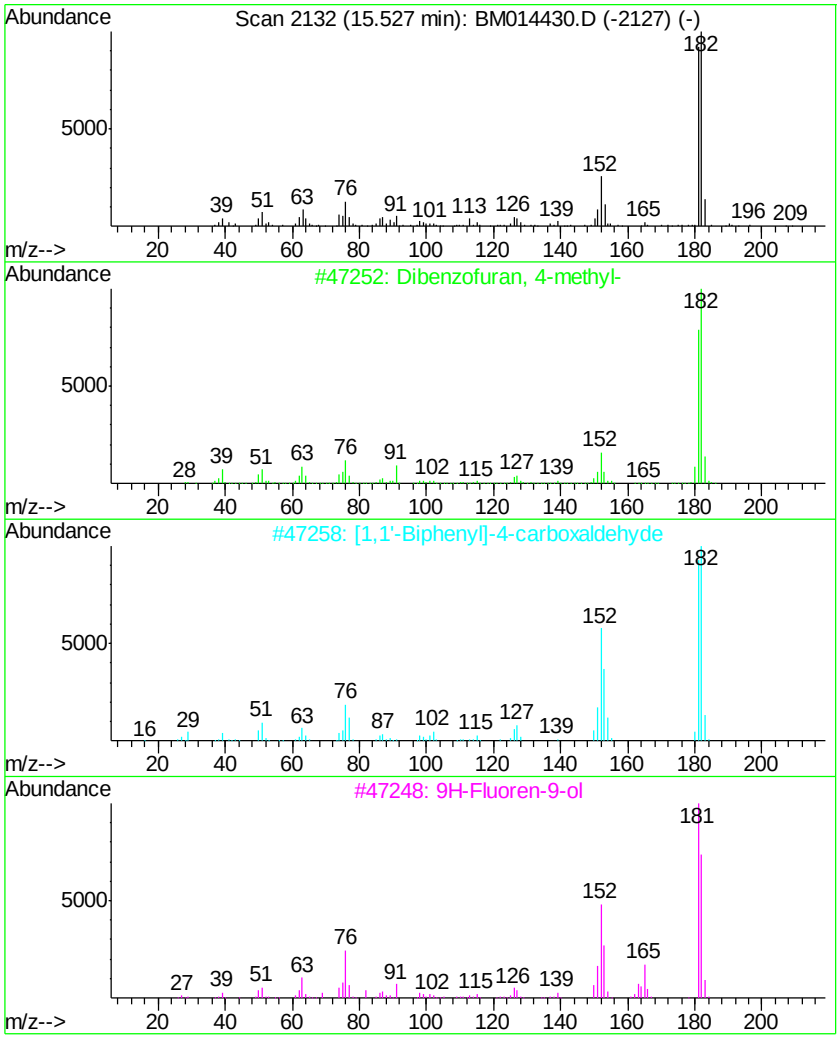
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

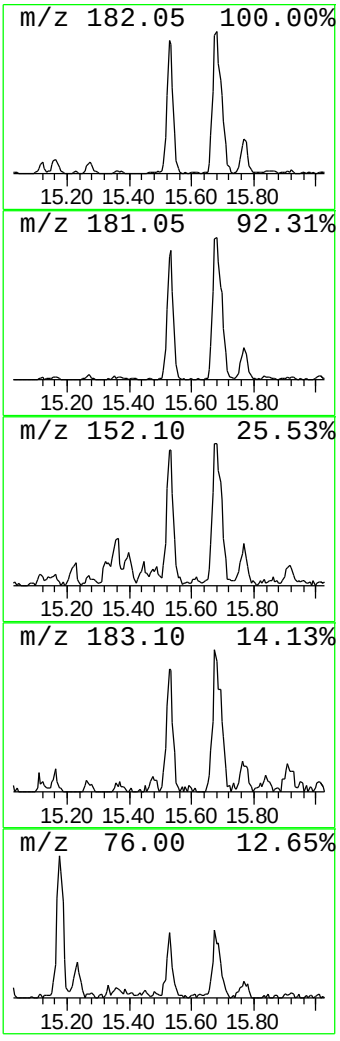
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	4.72 ng/ul	571416	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

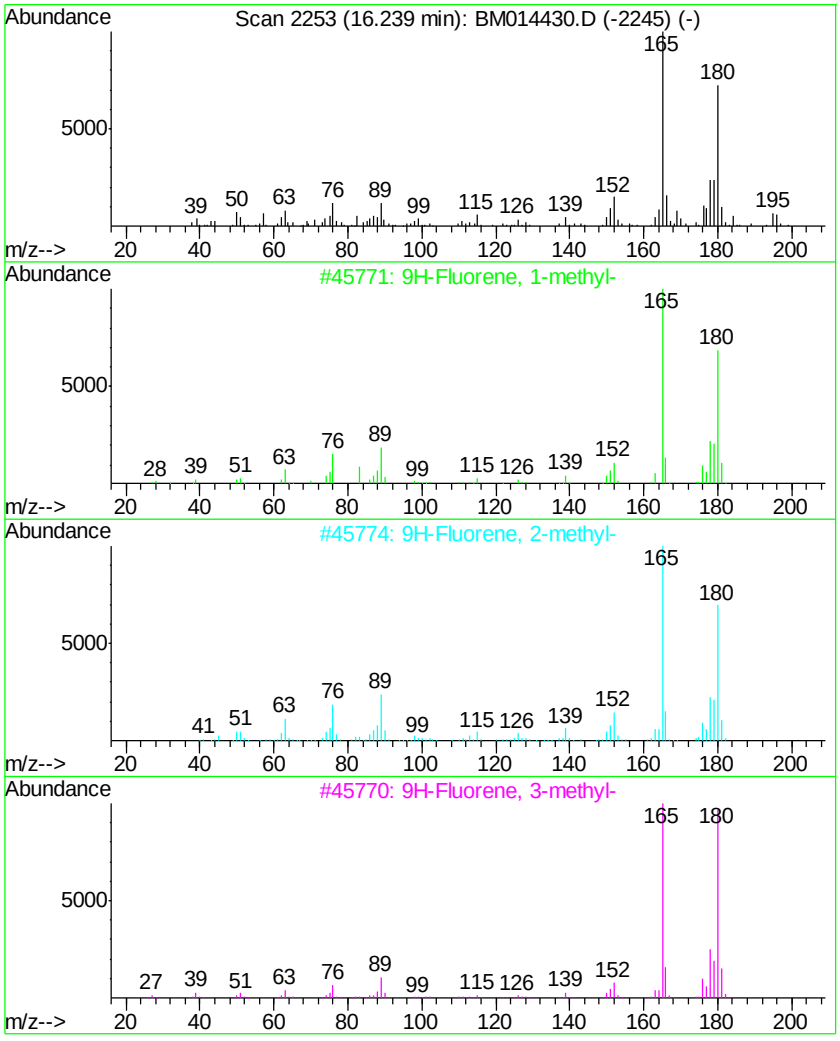
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

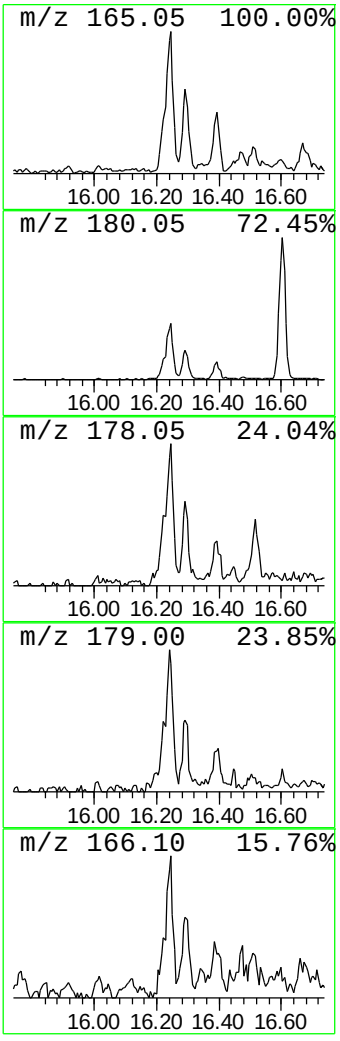
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	4.95 ng/ul	652395	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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

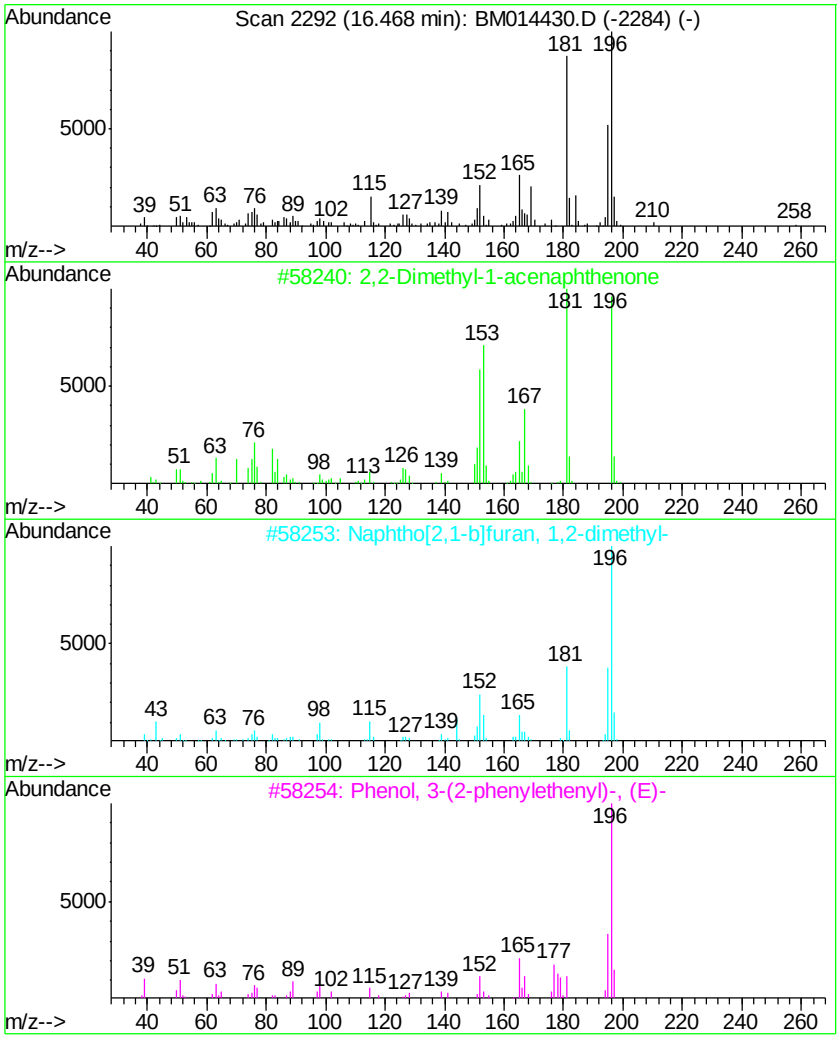
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

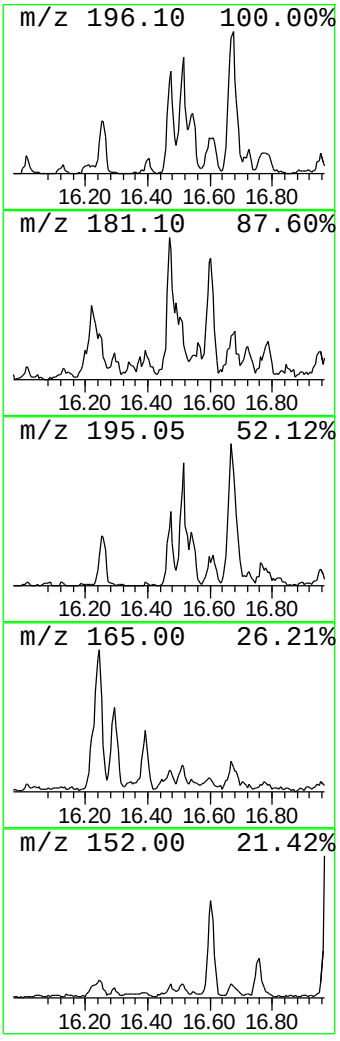
****

Peak Number 5 2,2-Dimethyl-1-acenaphthenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.89 ng/ul	381005	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	46
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

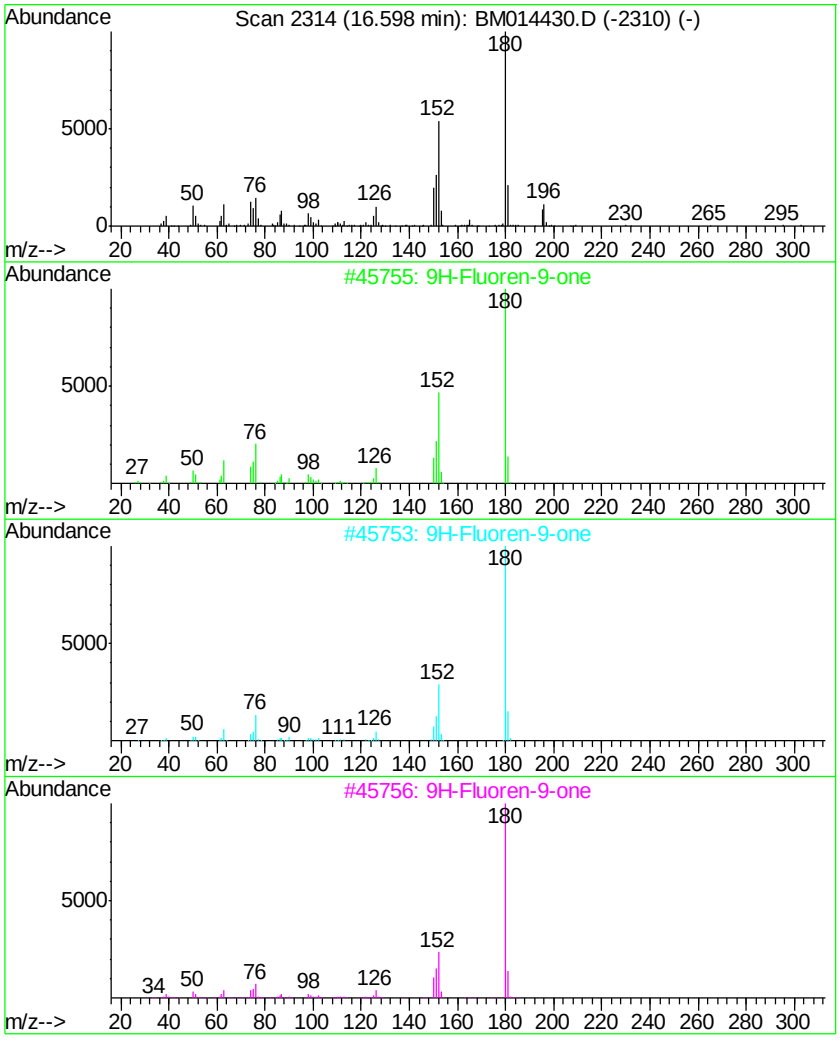
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

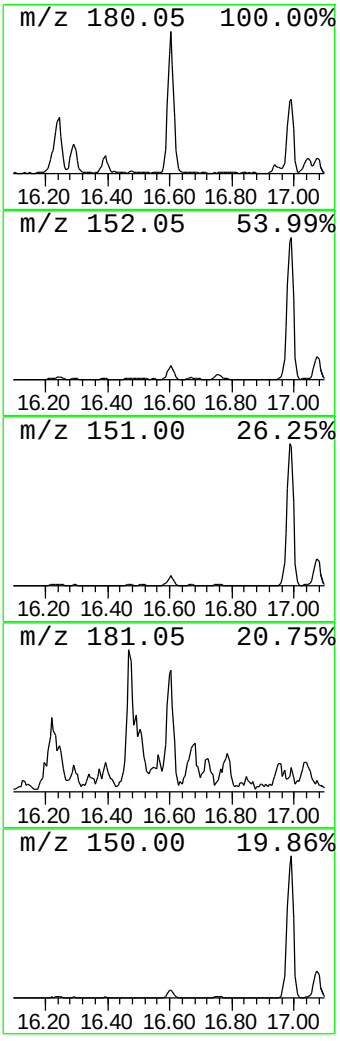
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.20 ng/ul	685052	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91





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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

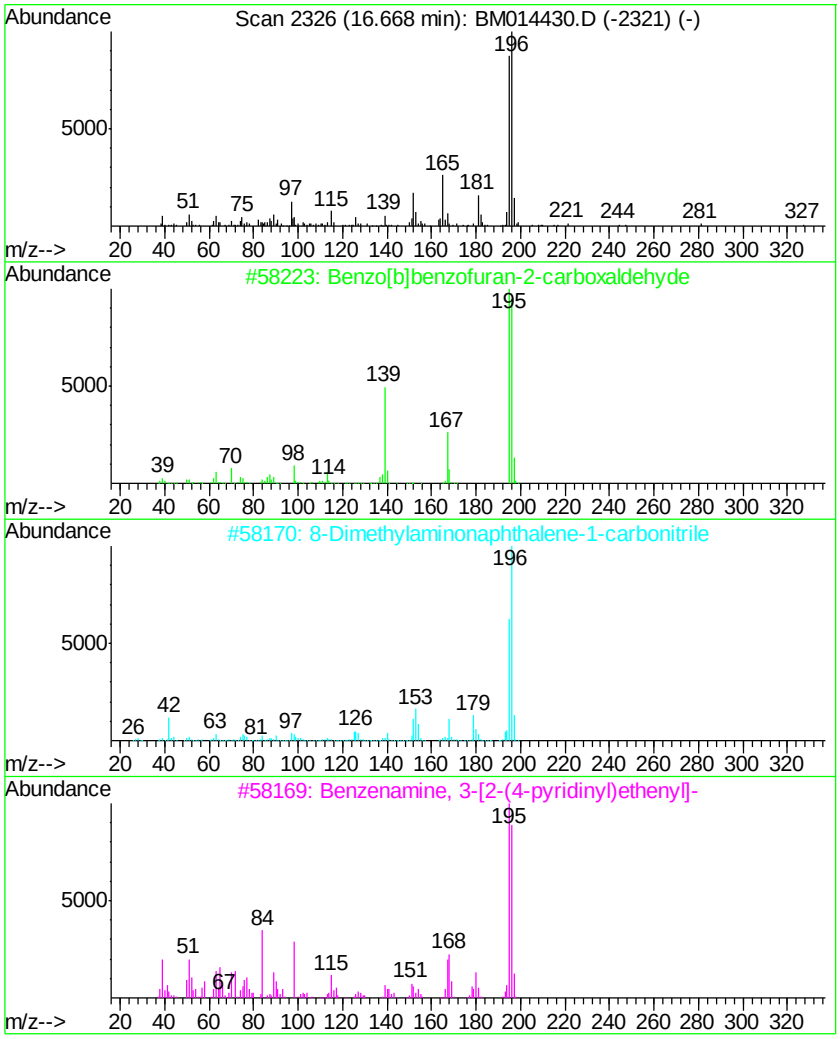
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

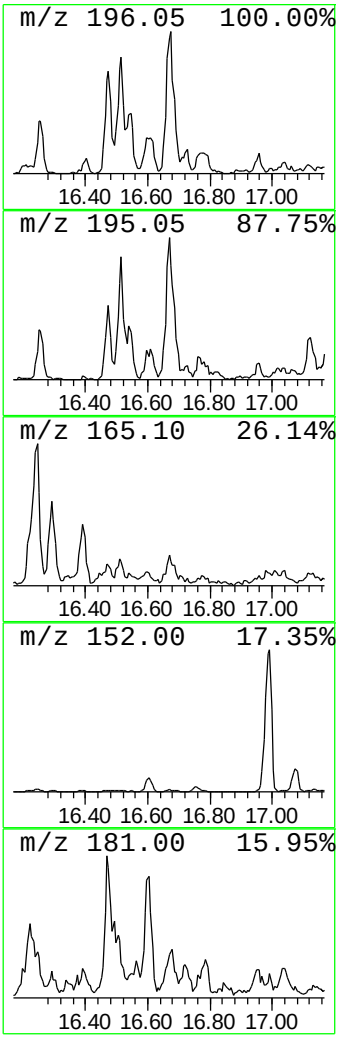
****

Peak Number 7 Benzo[b]benzofuran-2-carbox... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	4.11 ng/ul	541149	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	76
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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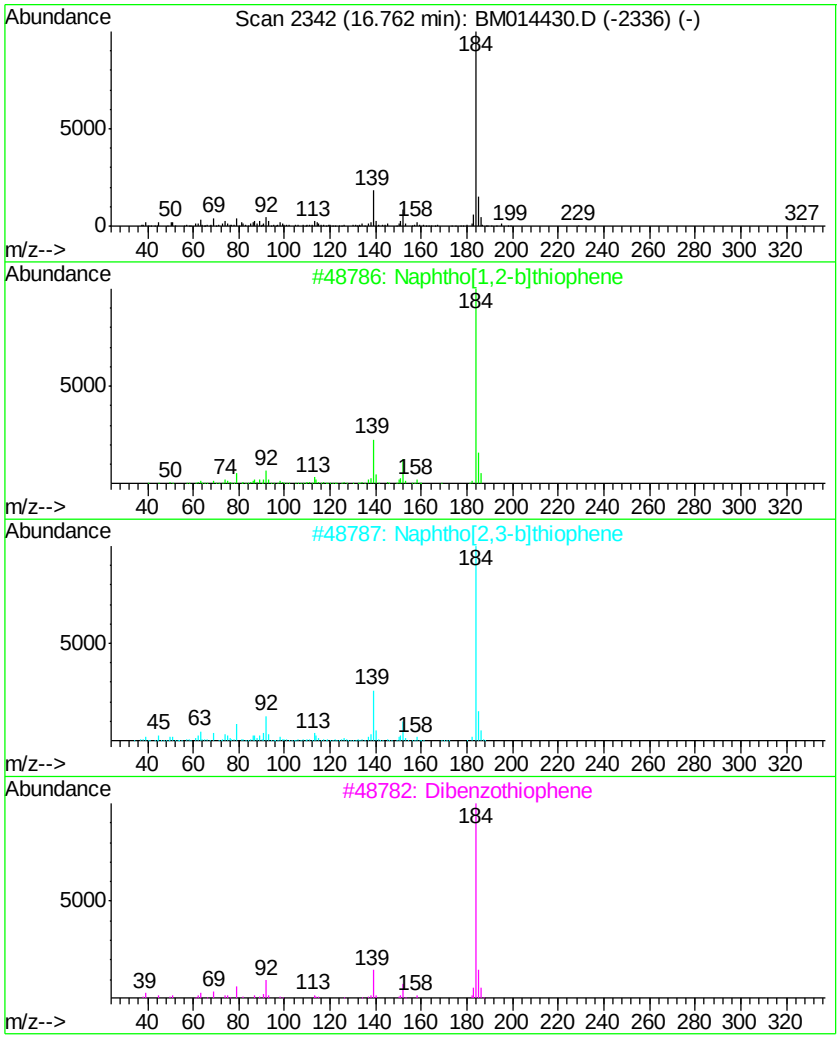
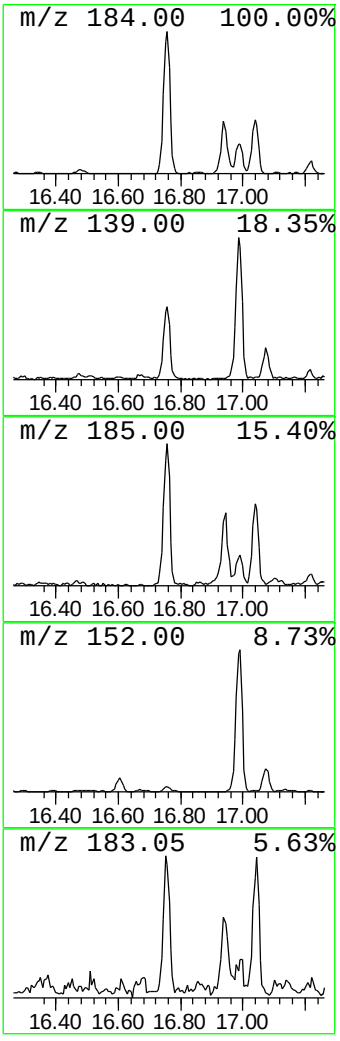
Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	8.67 ng/ul	1143040	Phenanthrene-d10	16.94

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





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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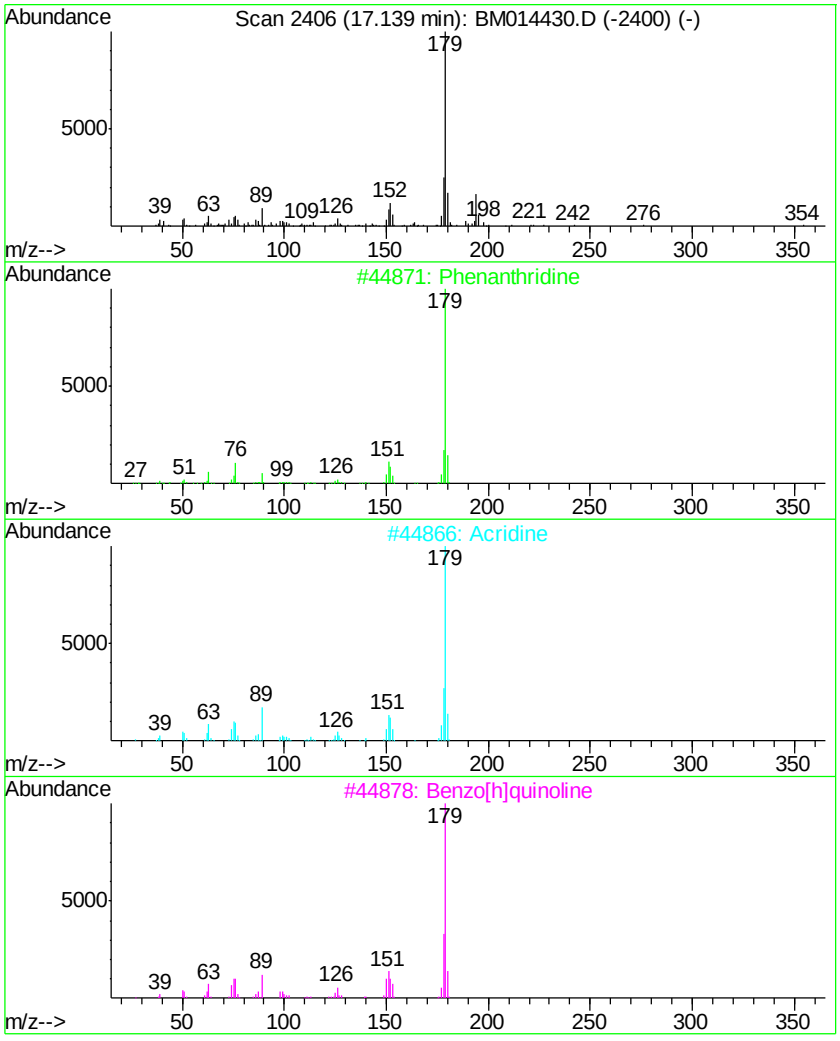
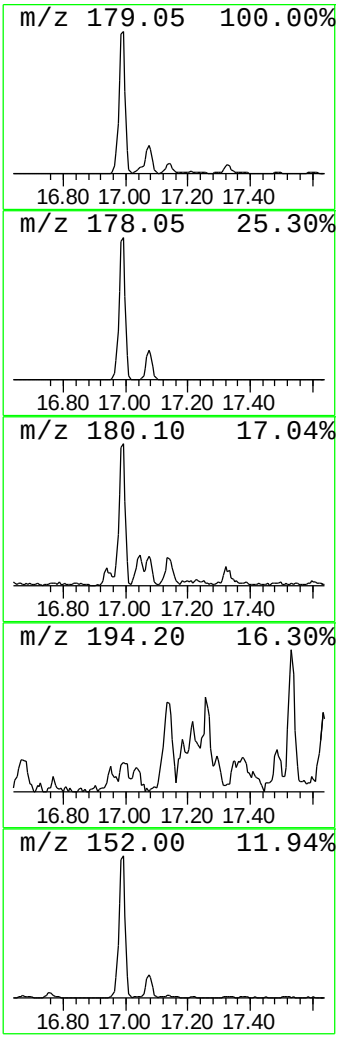
Peak Number 9 Phenanthridine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.80 ng/ul	368729	Phenanthrene-d10	16.94

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





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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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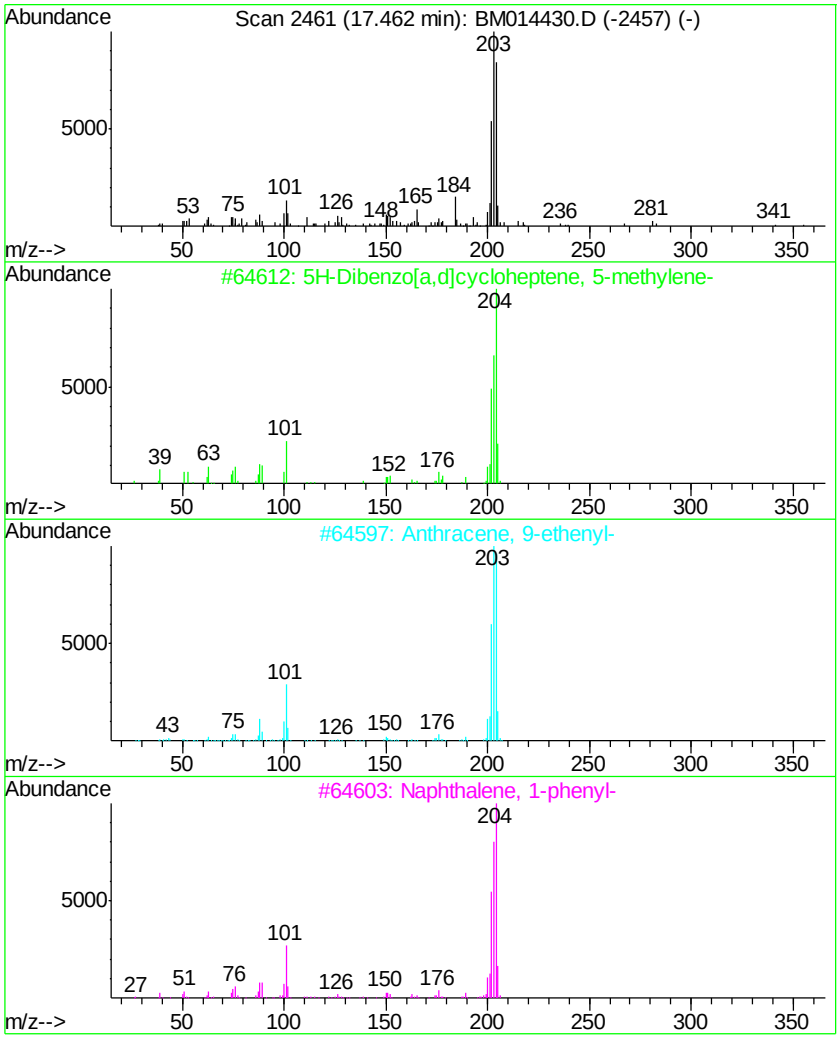
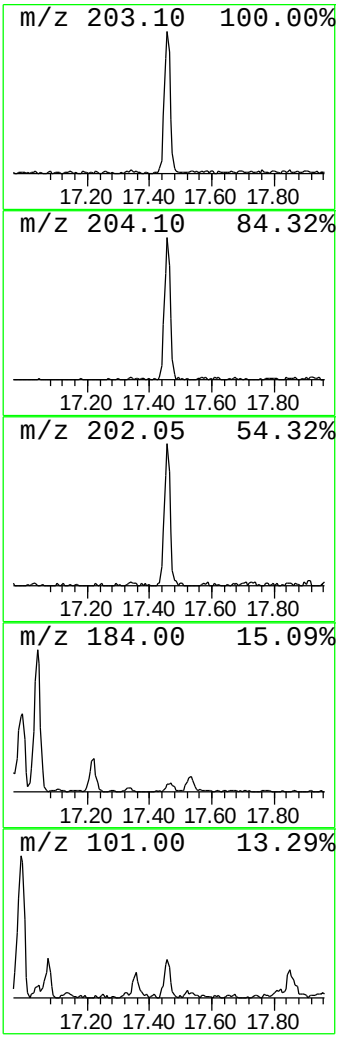
Peak Number 10 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.28 ng/ul	299948	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	70





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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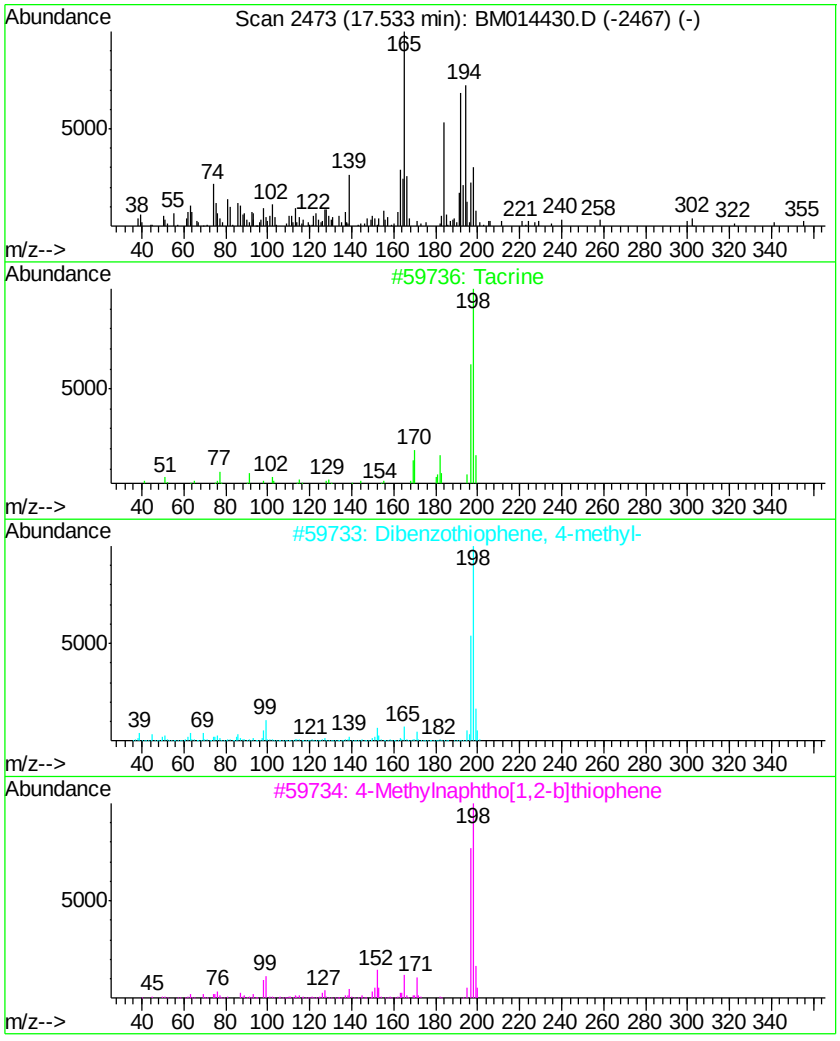
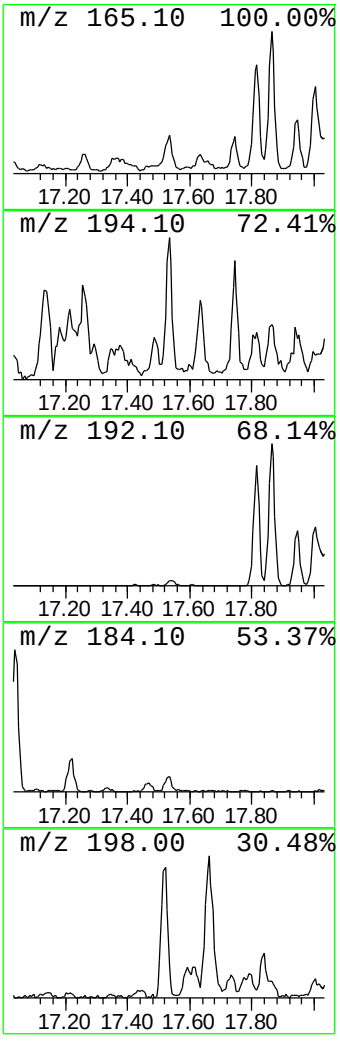
Peak Number 11 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	3.14 ng/ul	414470	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tacrine	198	C13H14N2	000321-64-2	46
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	41
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	41
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	41





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Quant Title : SVOA CALIBRATION

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

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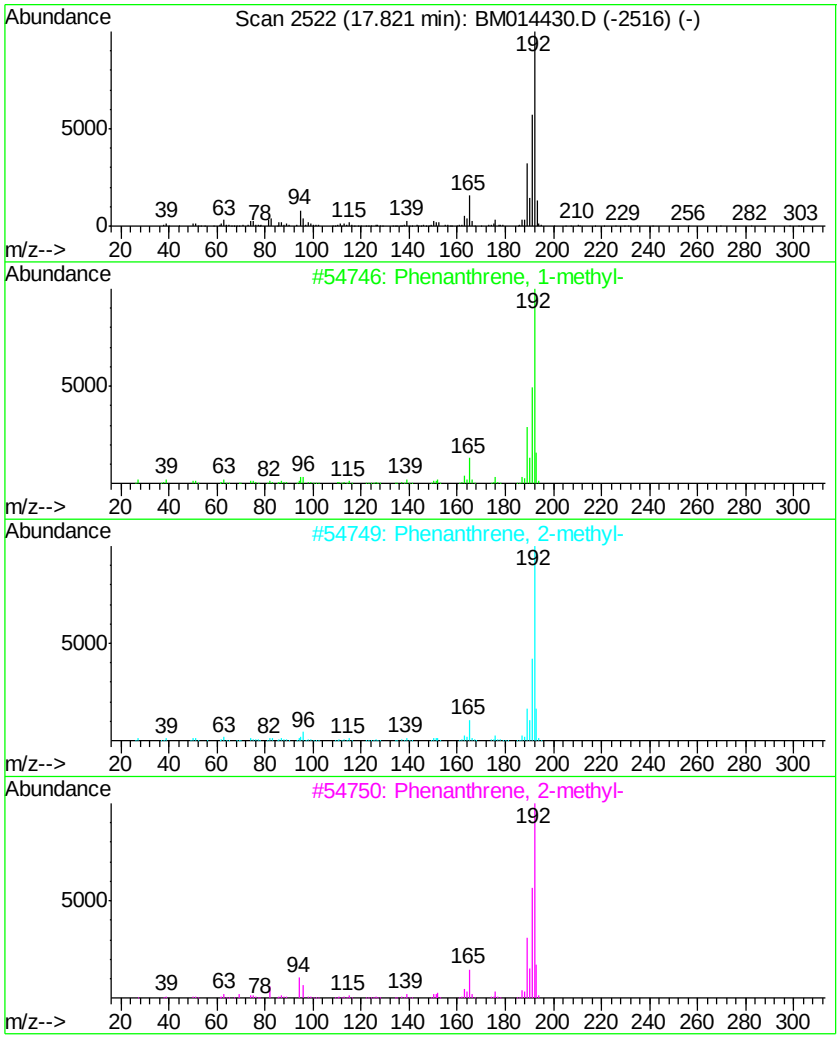
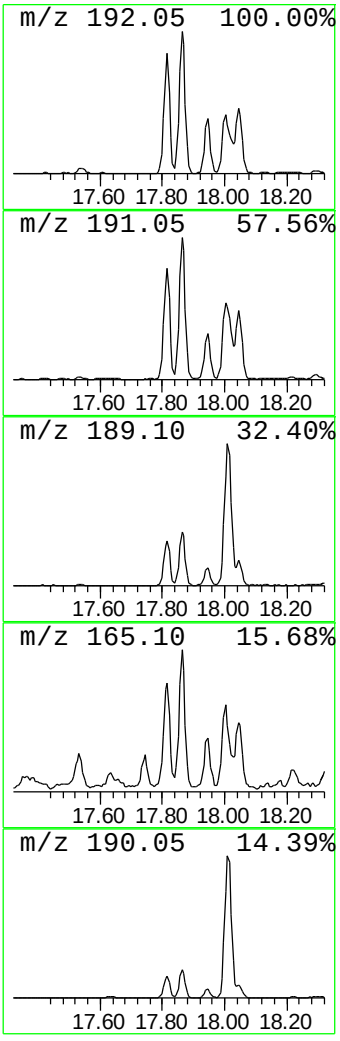
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	12.28 ng/ul	1618680	Phenanthrene-d10	16.94

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





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Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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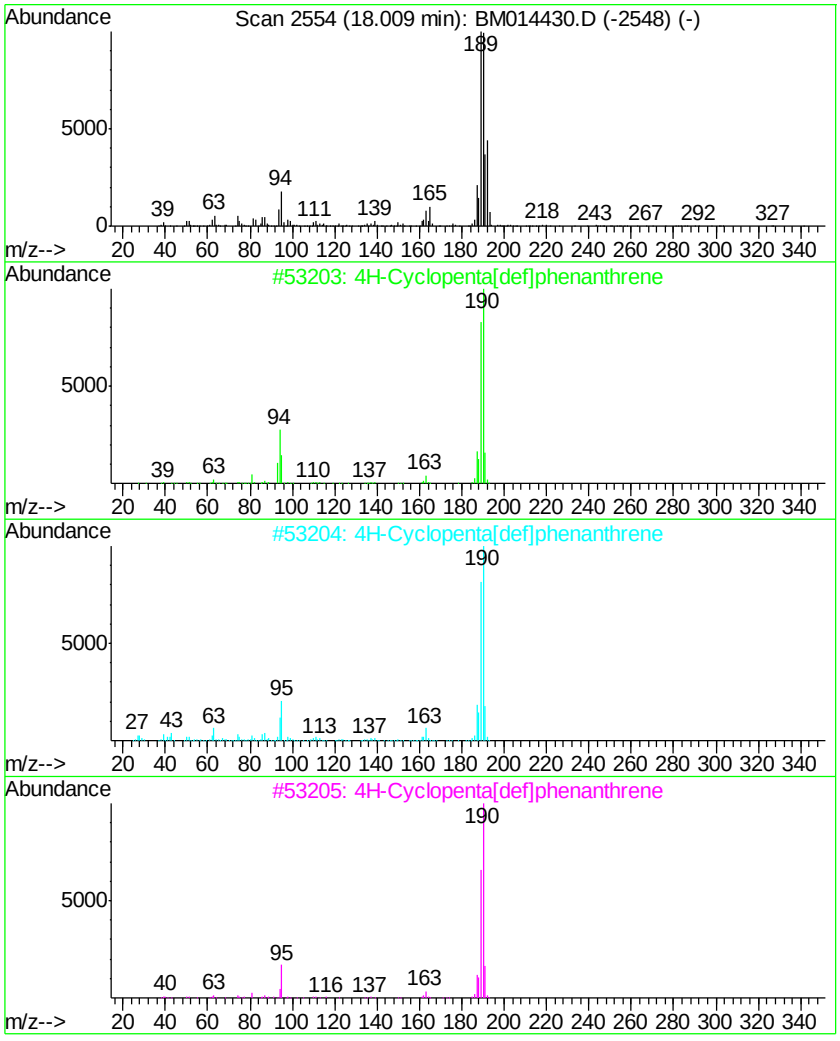
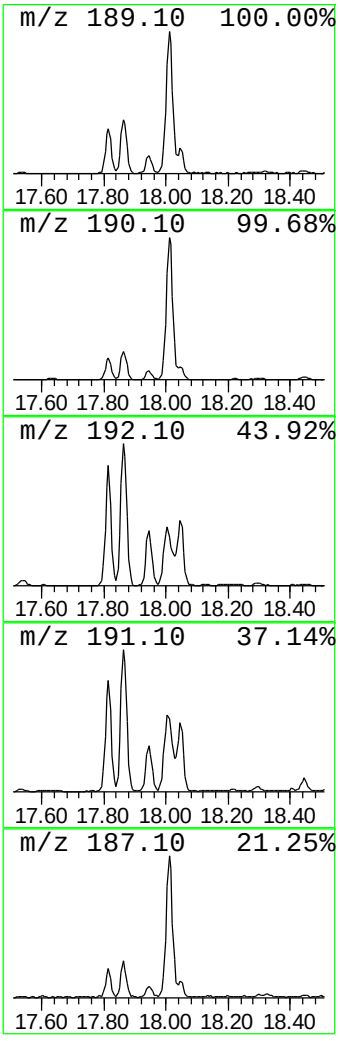
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	22.30 ng/ul	2939850	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





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Quant Title : SVOA CALIBRATION

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

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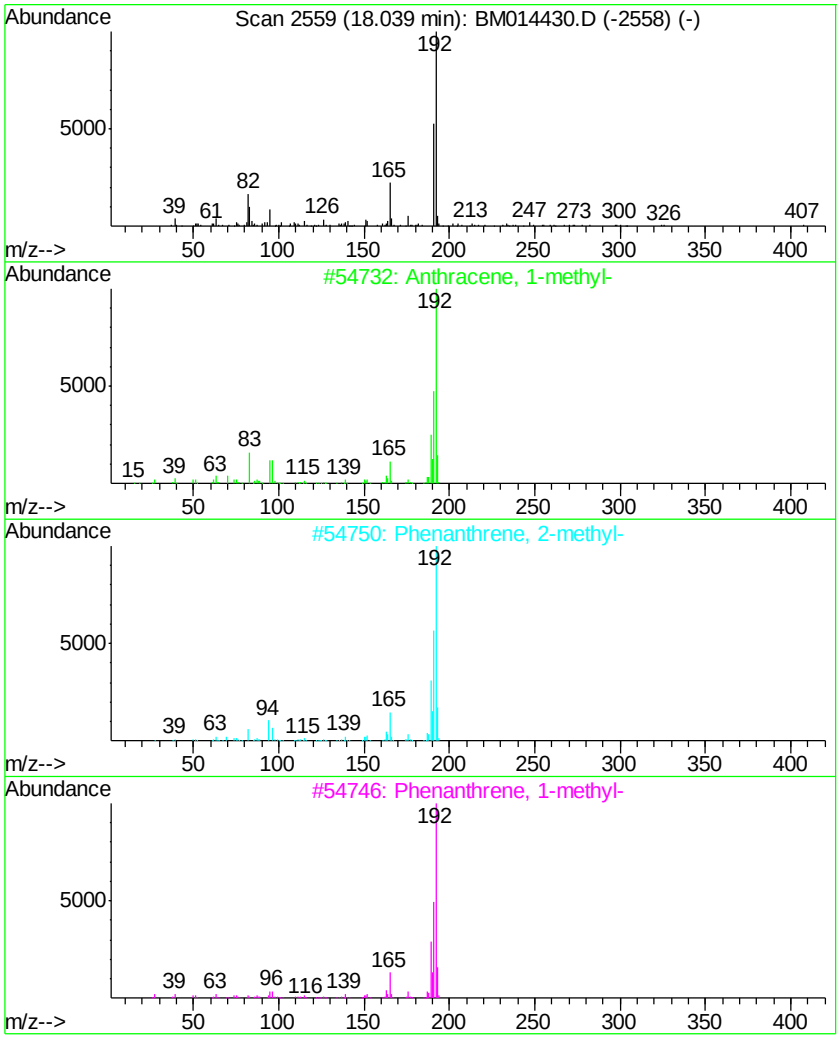
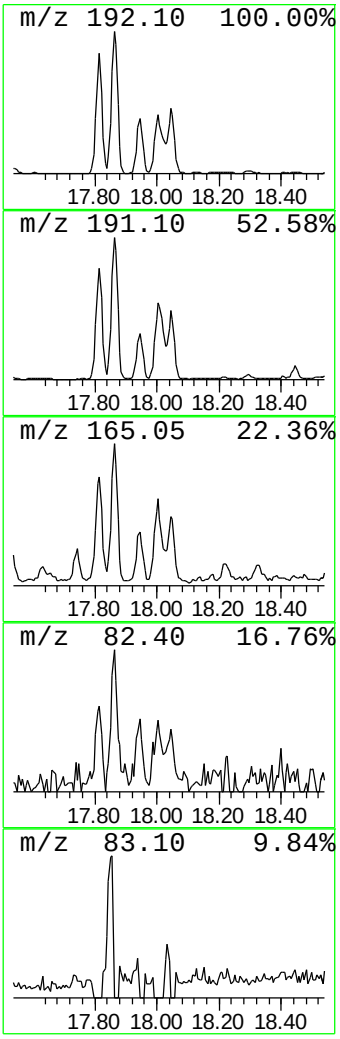
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	6.84 ng/ul	900992	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80





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Instrument : BNA_M
ClientSampleId : BE5Z7

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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 4-Methylcarbazole Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.57 ng/ul	338718	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	90
2	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	78
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	78
4	3-Methylcarbazole	181	C13H11N	004630-20-0	78
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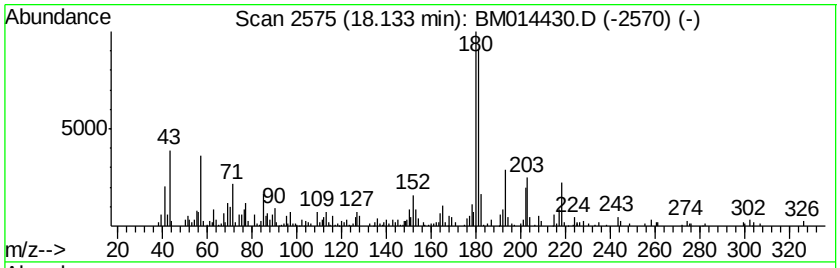

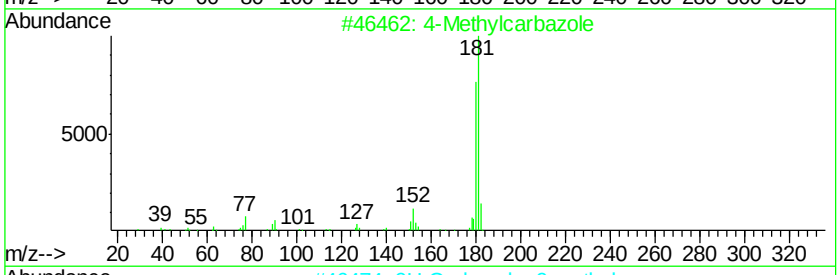

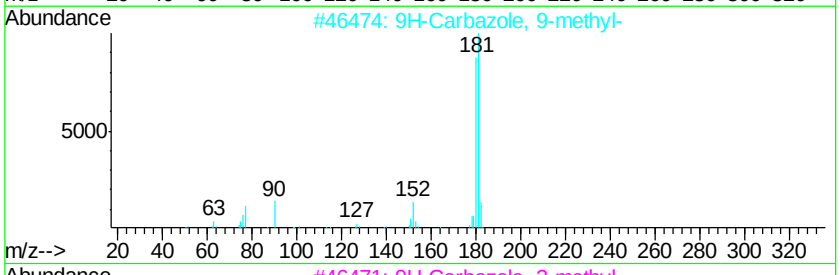

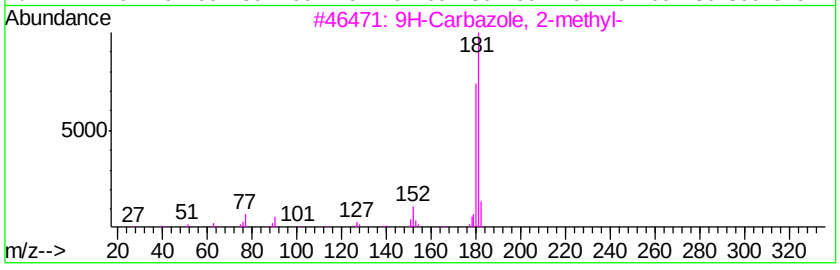

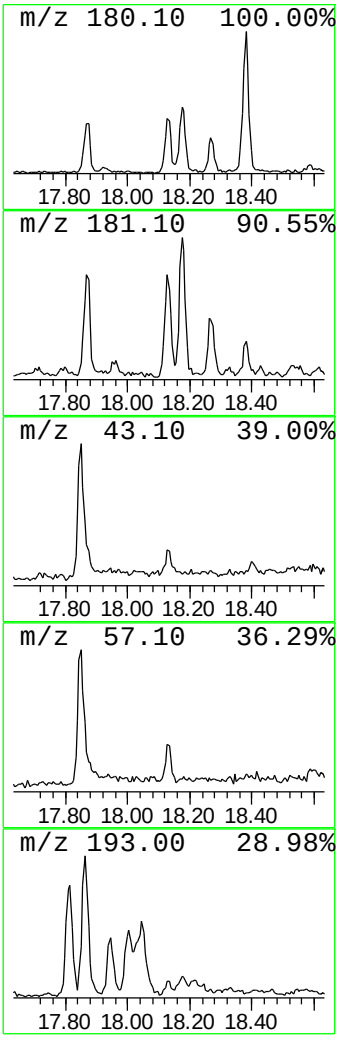

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ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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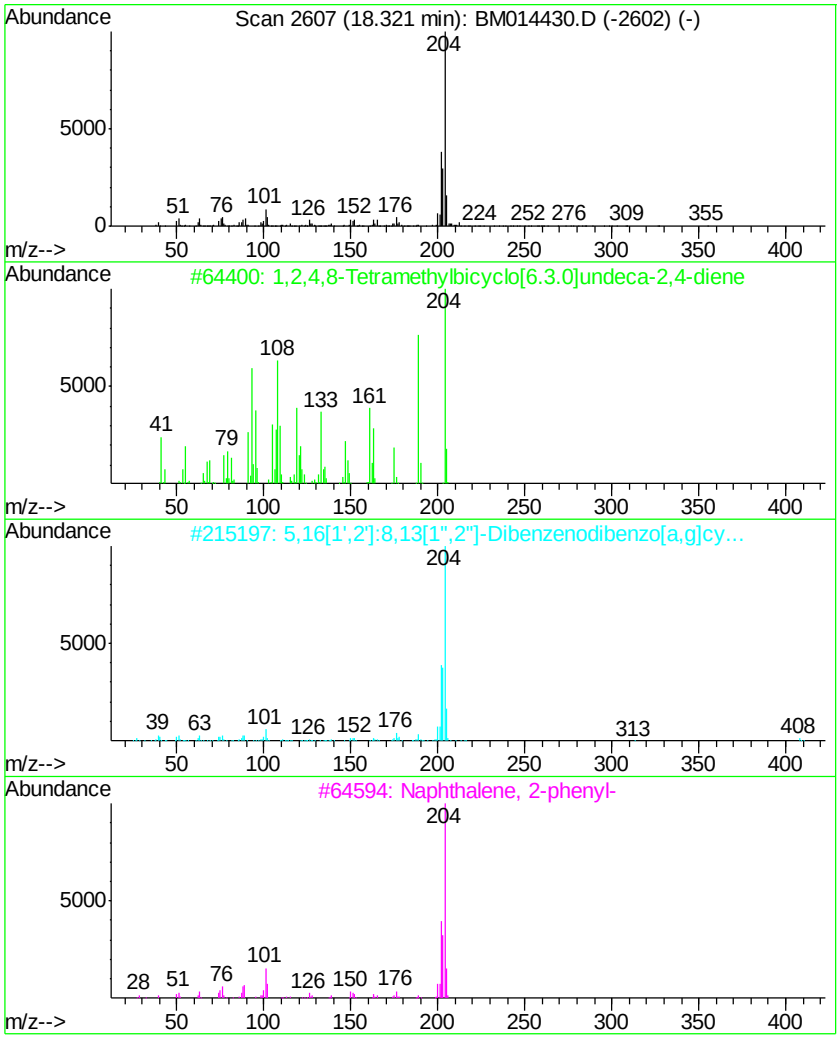
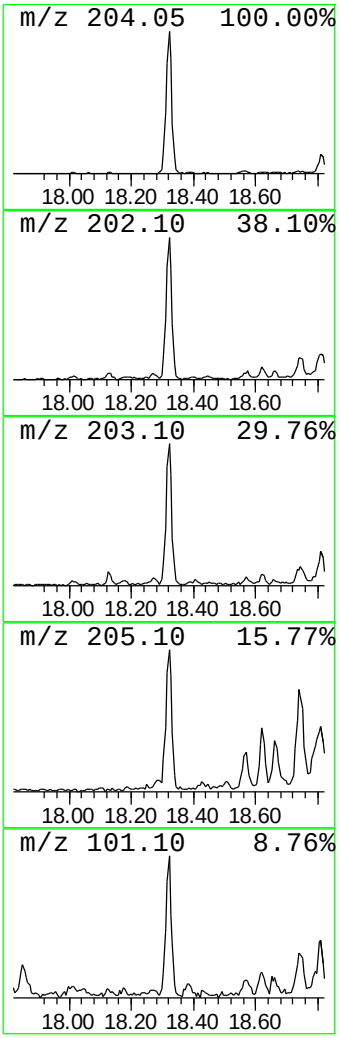
Peak Number 18 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	8.68 ng/ul	1143900	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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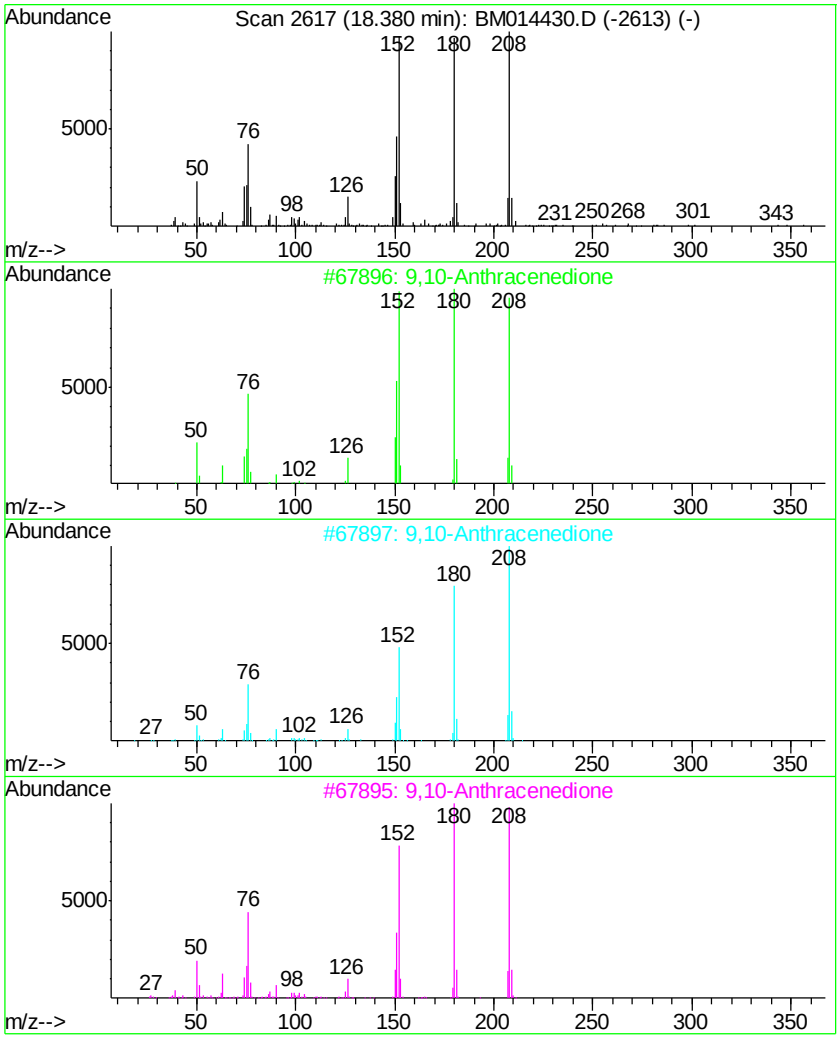
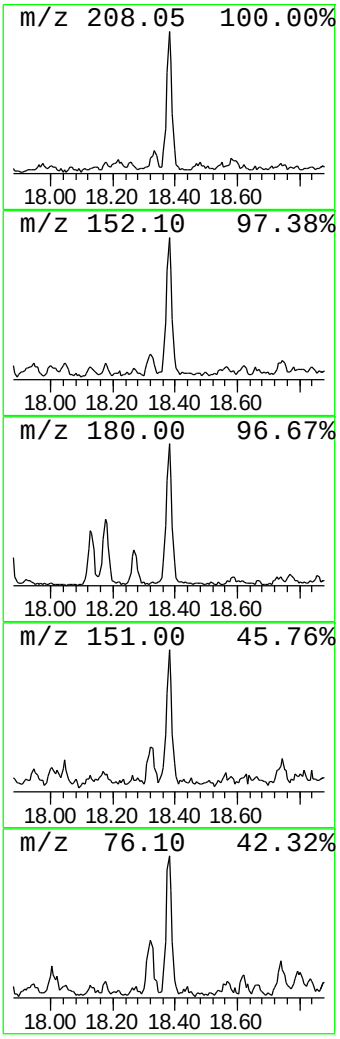
Peak Number 19 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.74 ng/ul	624599	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





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Quant Title : SVOA CALIBRATION

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

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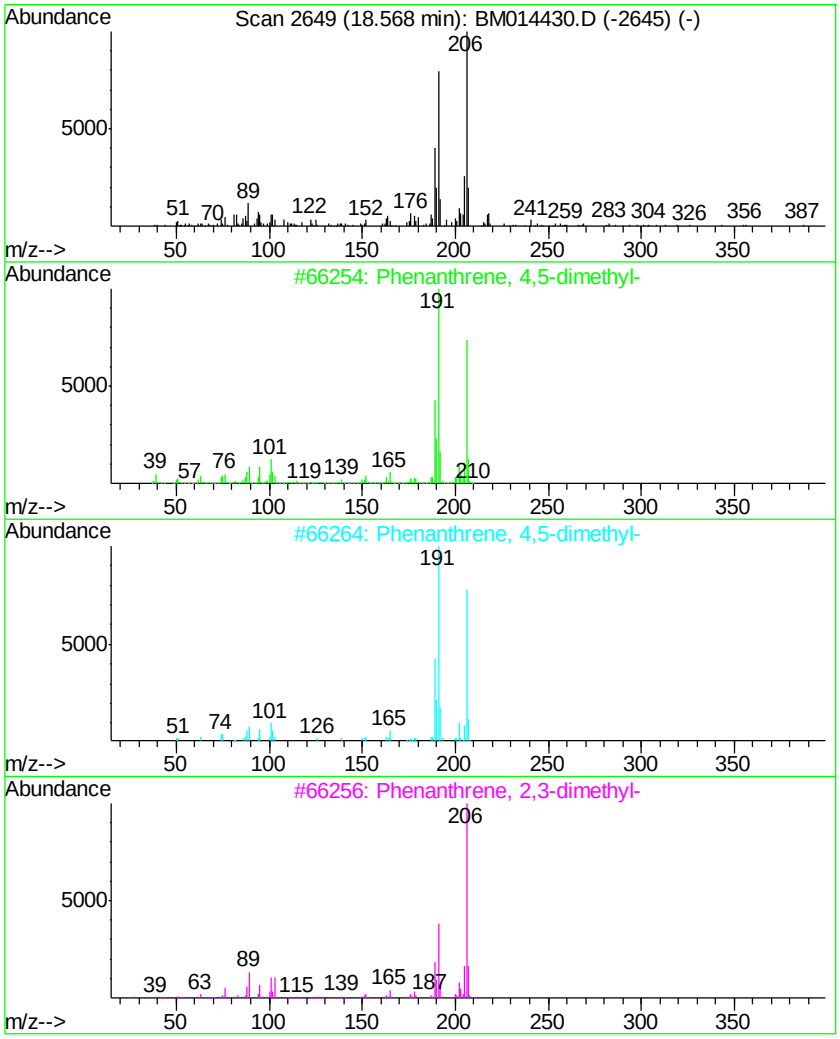
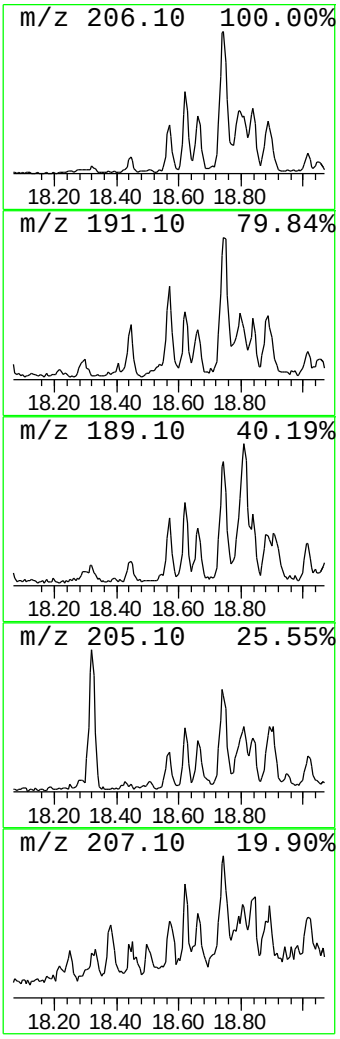
Peak Number 20 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.38 ng/ul	314160	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	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

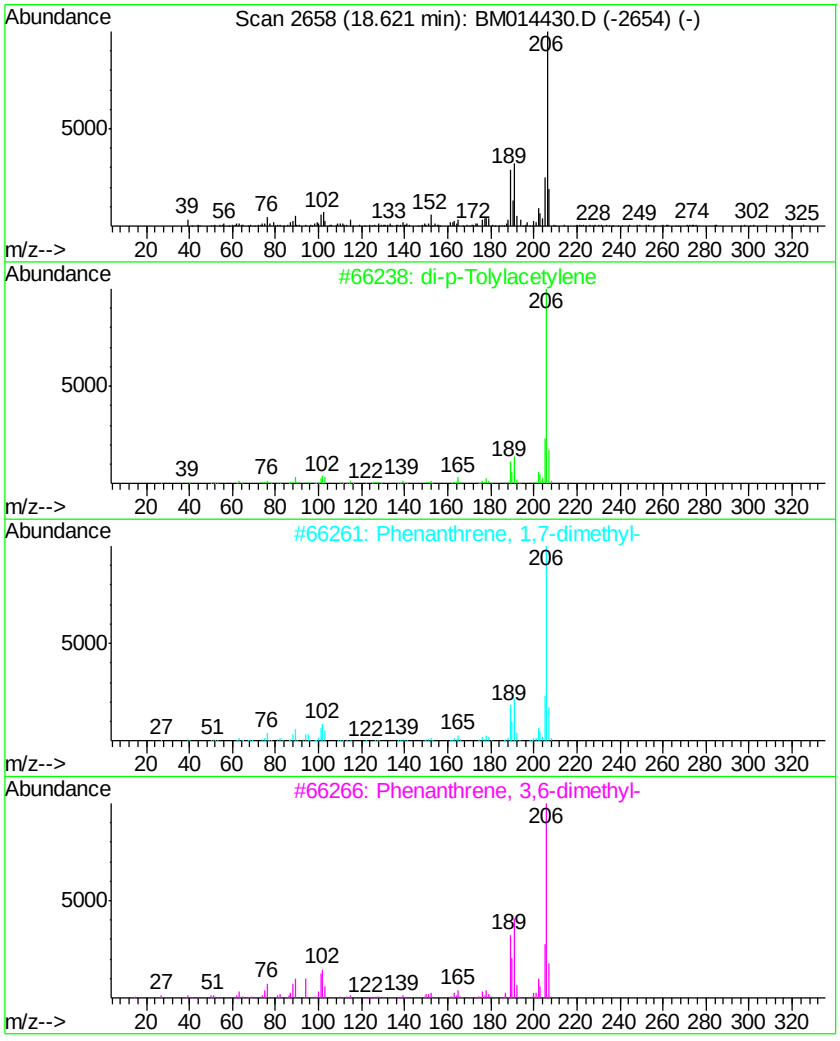
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

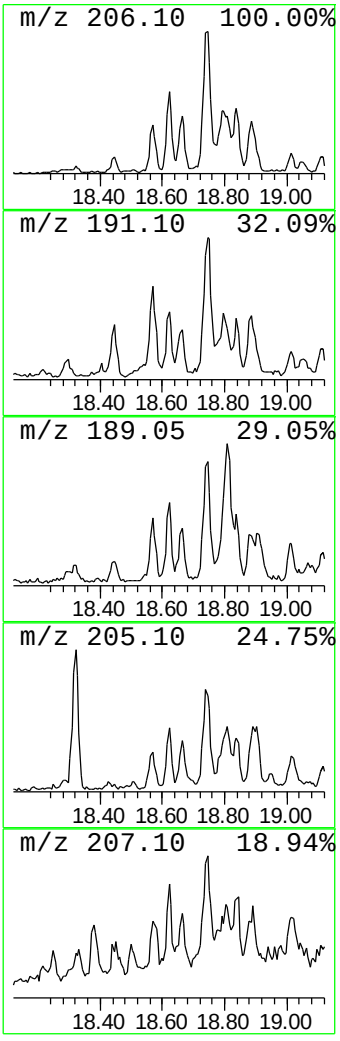
****

Peak Number 21 di-p-Tolylacetylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.49 ng/ul	327955	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

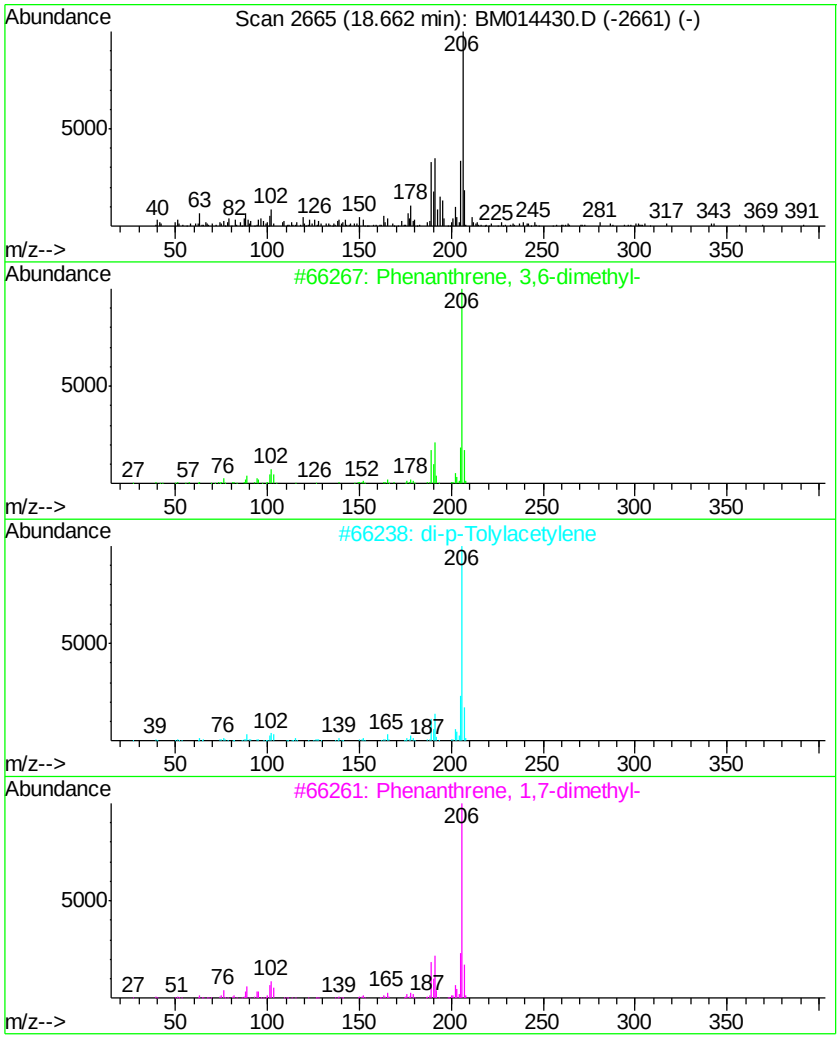
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

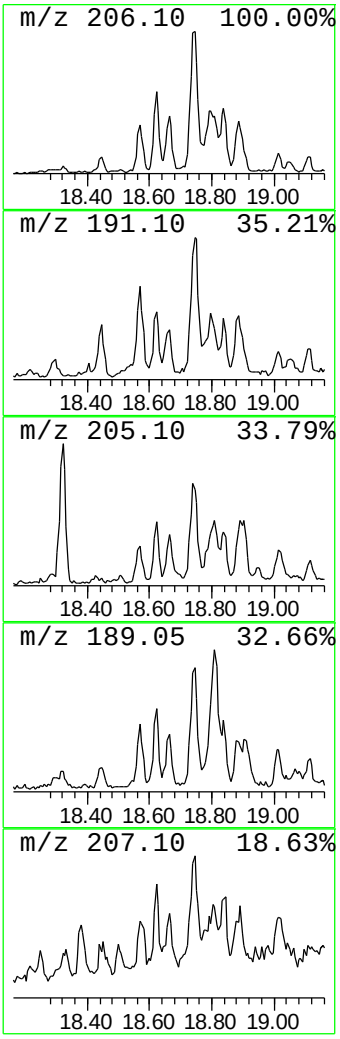
****

Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.32 ng/ul	305345	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

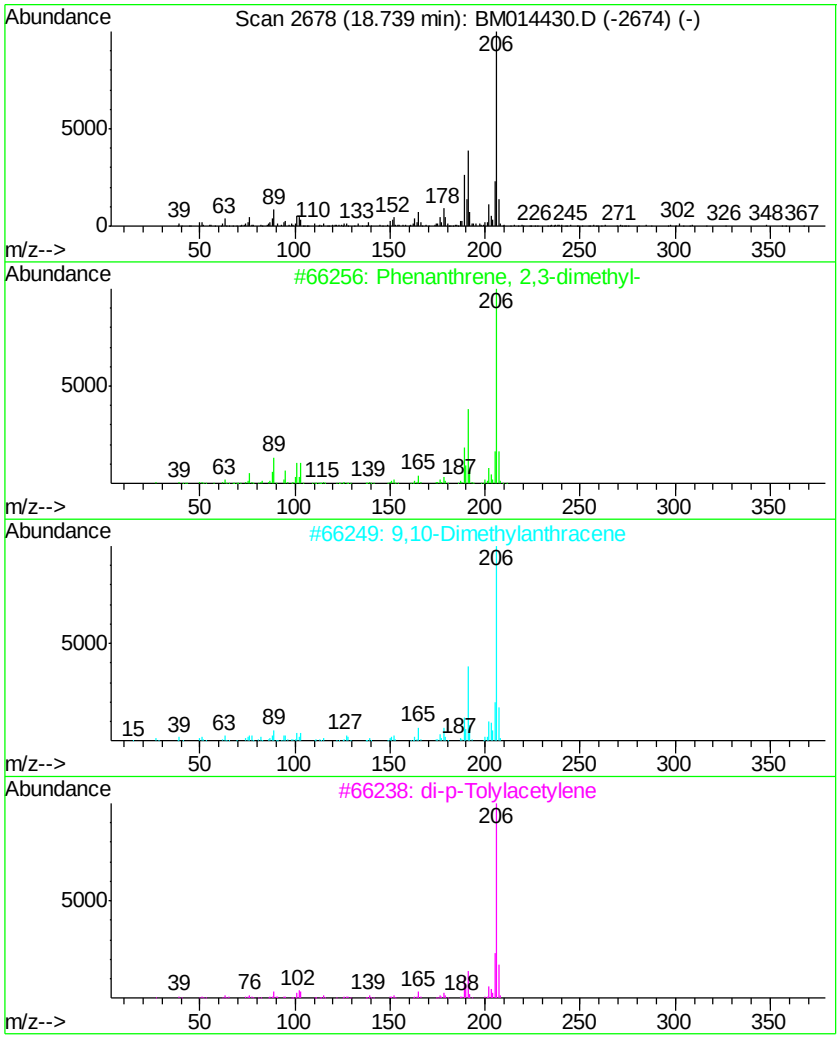
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

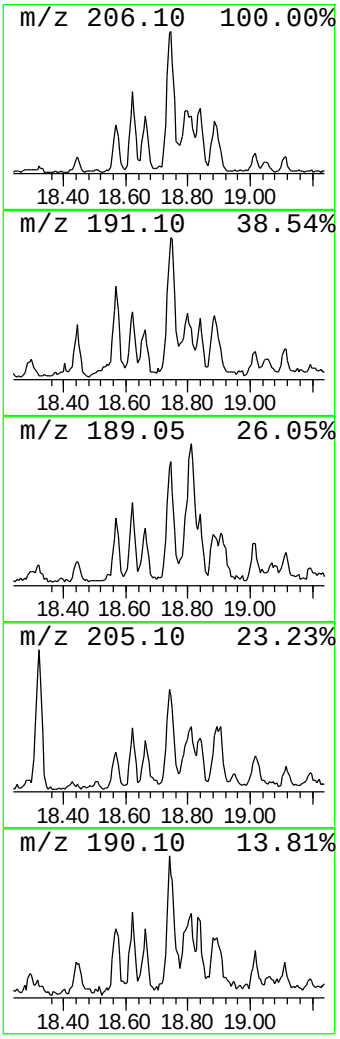
****

Peak Number 23 Phenanthrene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	6.81 ng/ul	897886	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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

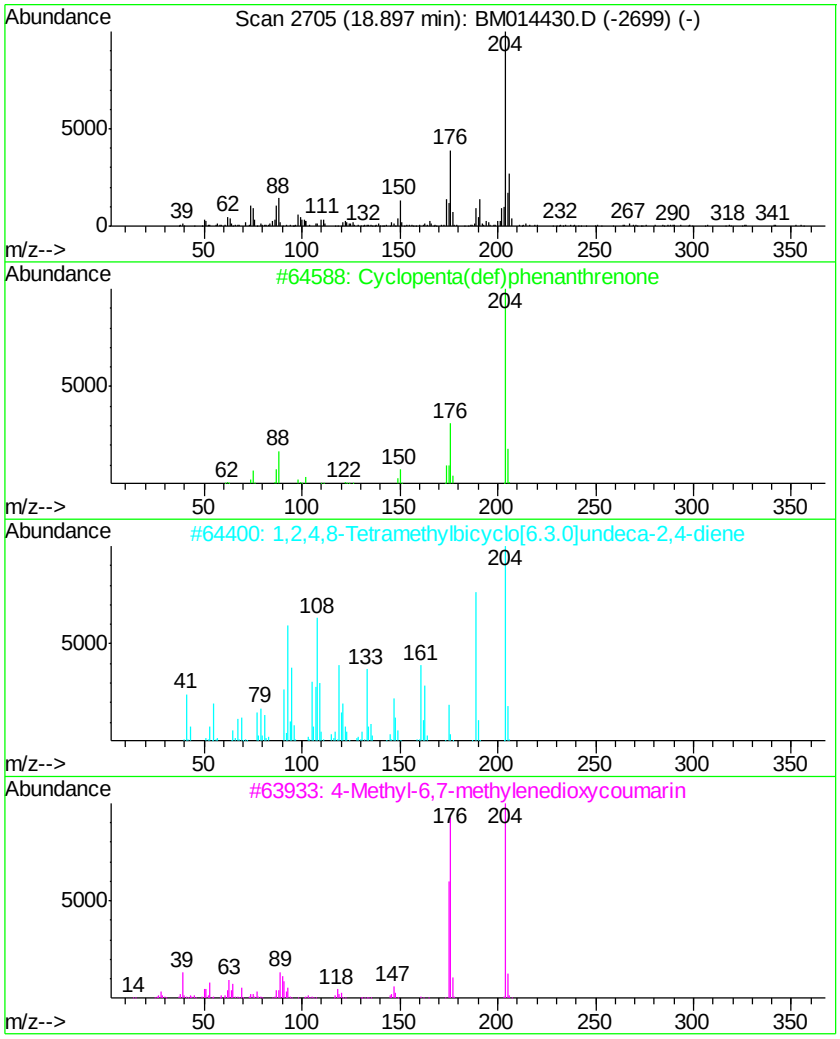
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

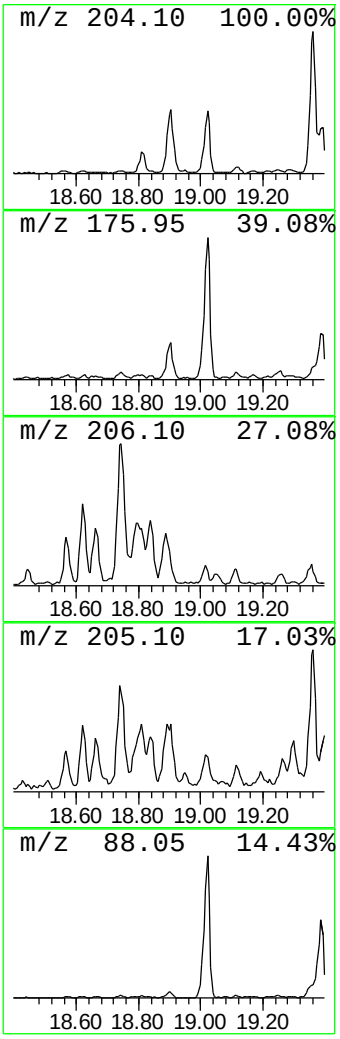
****

Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.46 ng/ul	851639	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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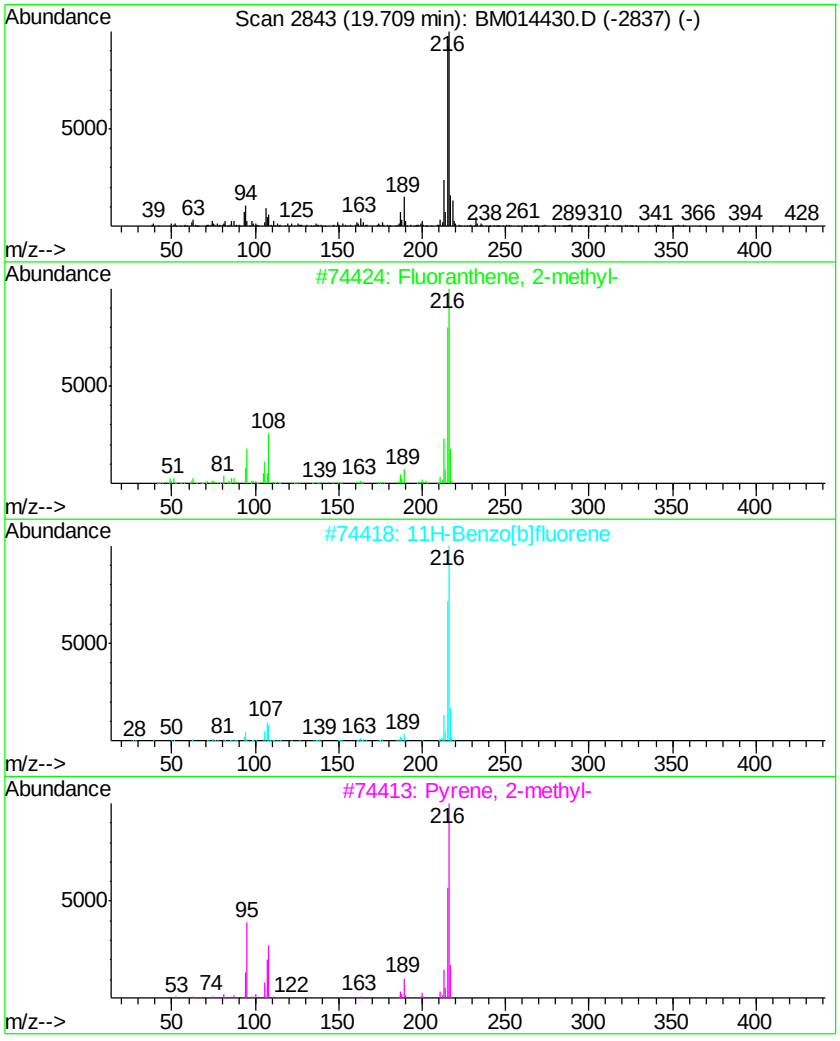
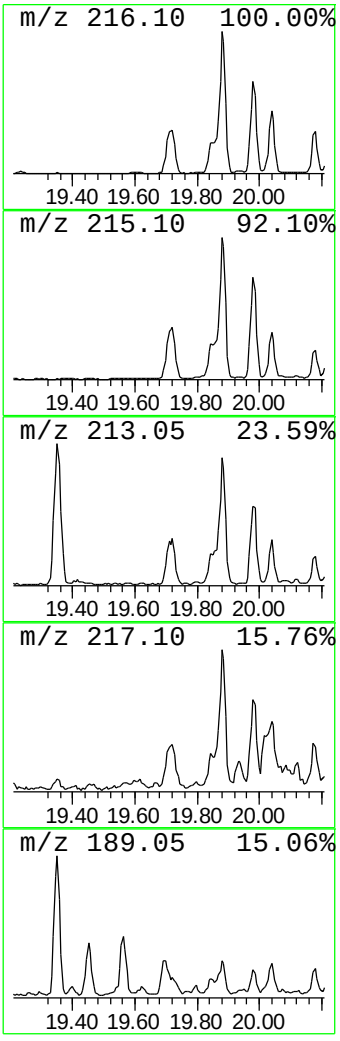
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	2.95 ng/ul	1594000	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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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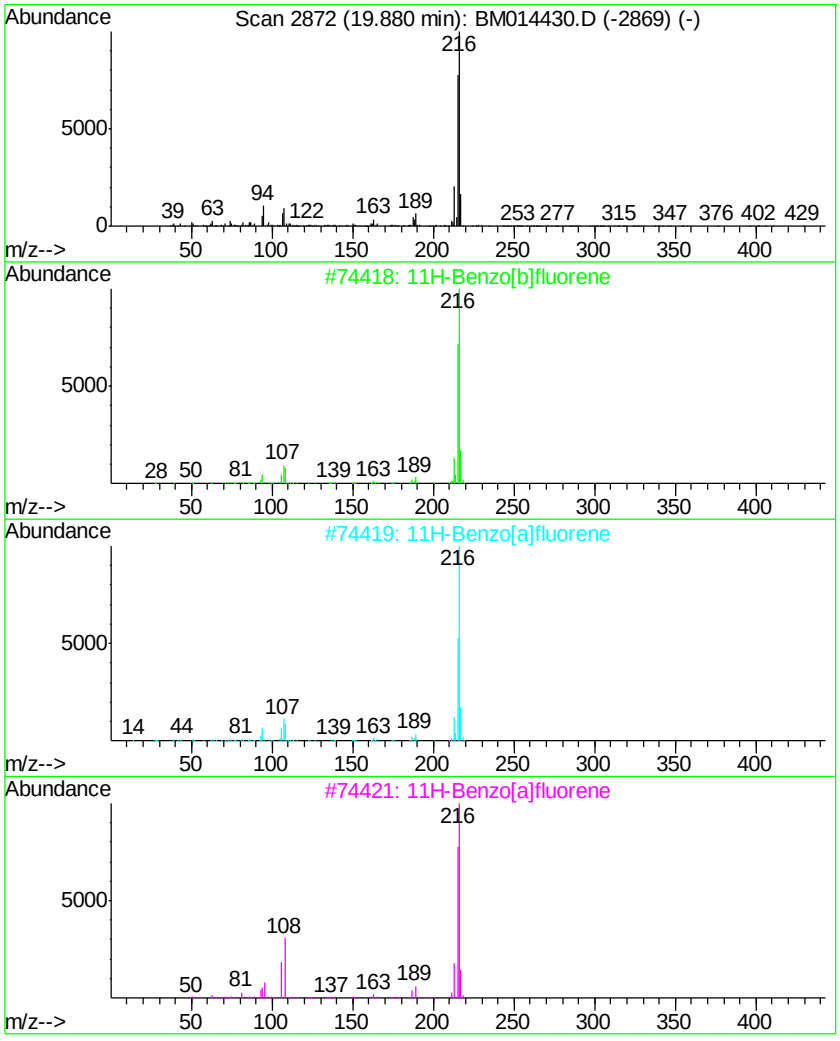
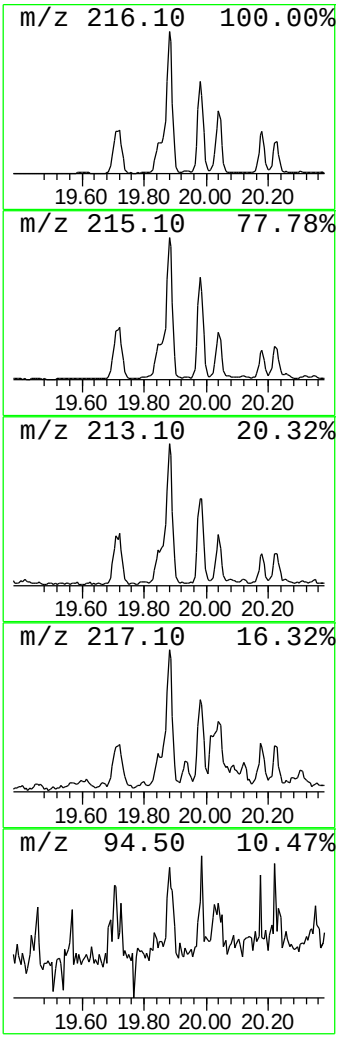
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	4.08 ng/ul	2202990	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : SJ/JU
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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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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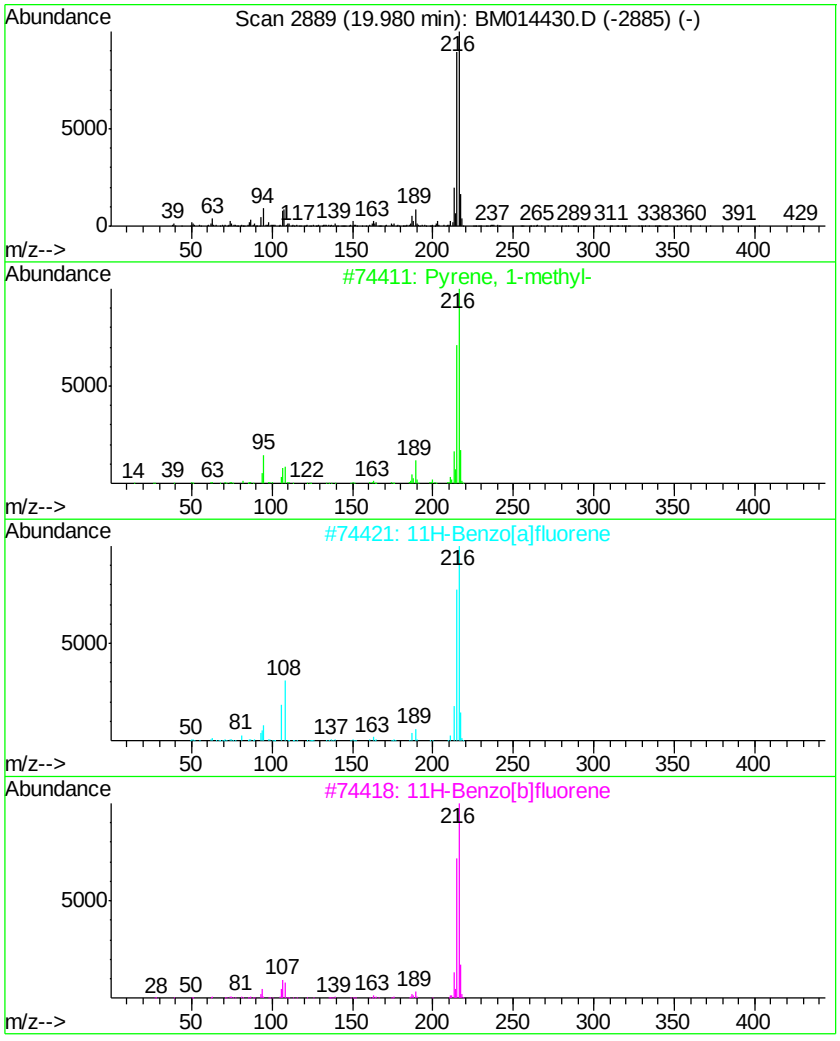
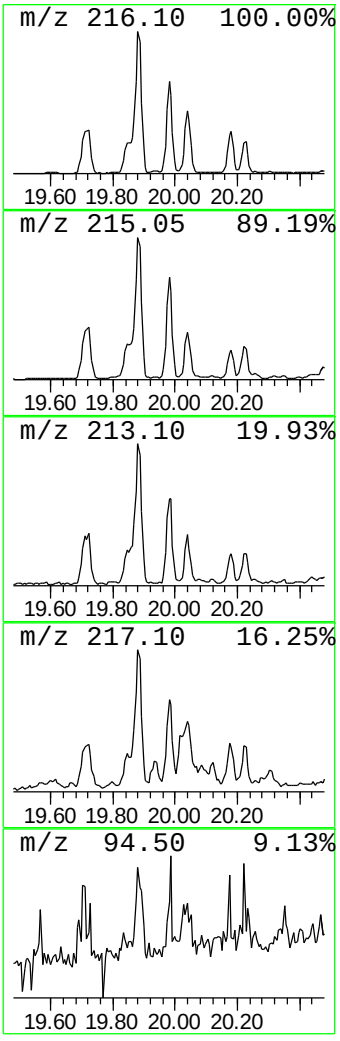
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.52 ng/ul	1362560	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 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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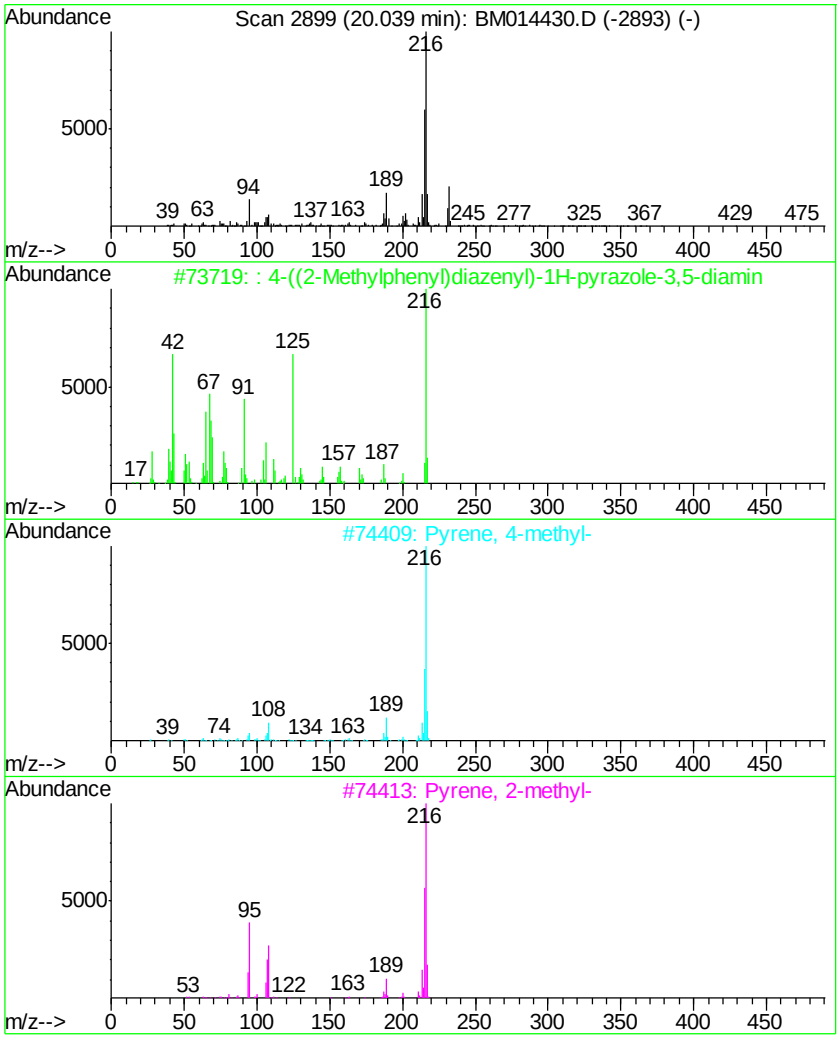
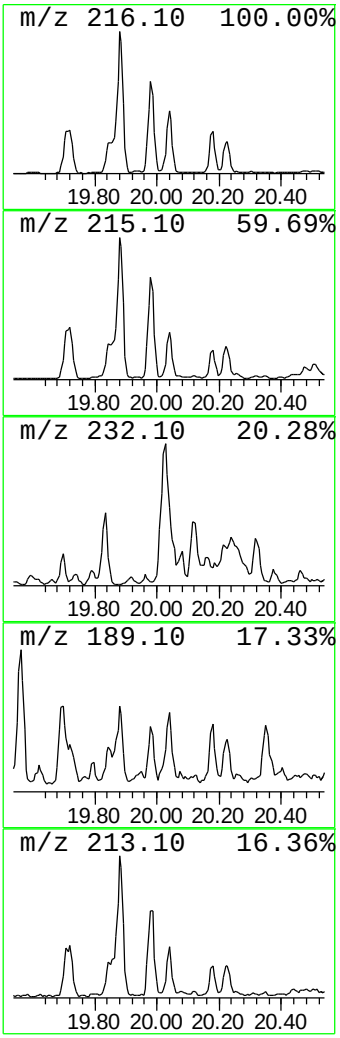
Peak Number 28 : 4-((2-Methylphenyl)diazen... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.70 ng/ul	1457000	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	94
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

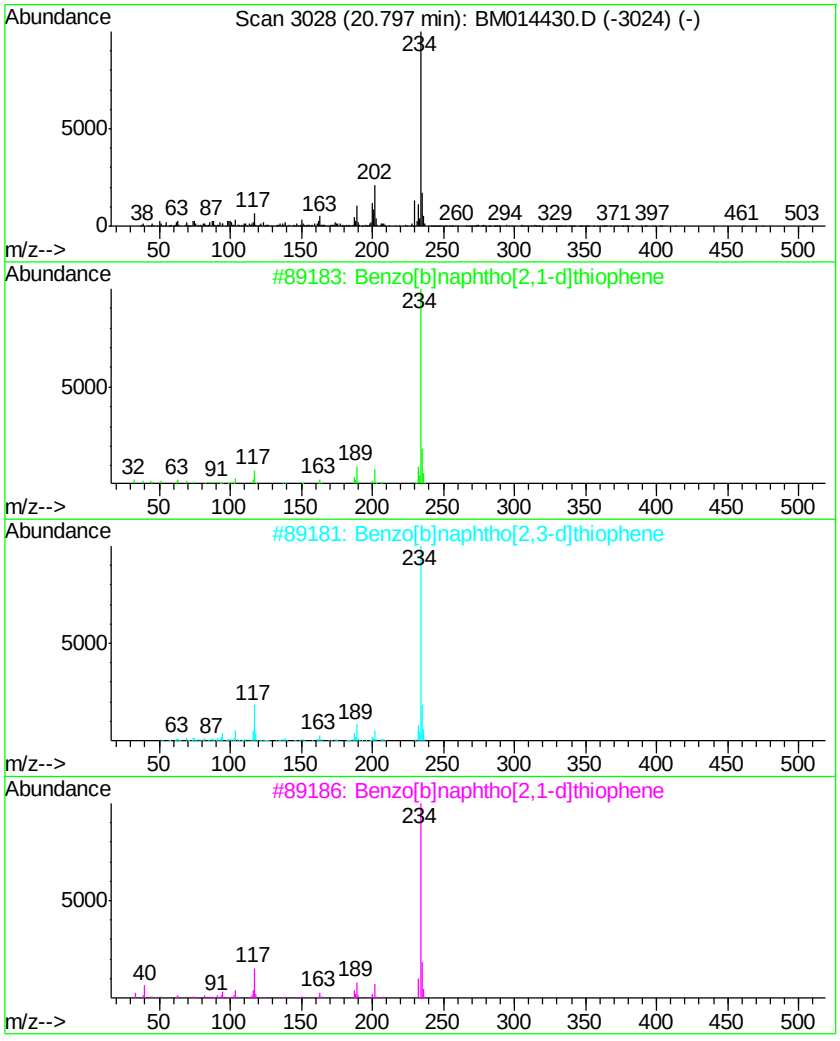
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

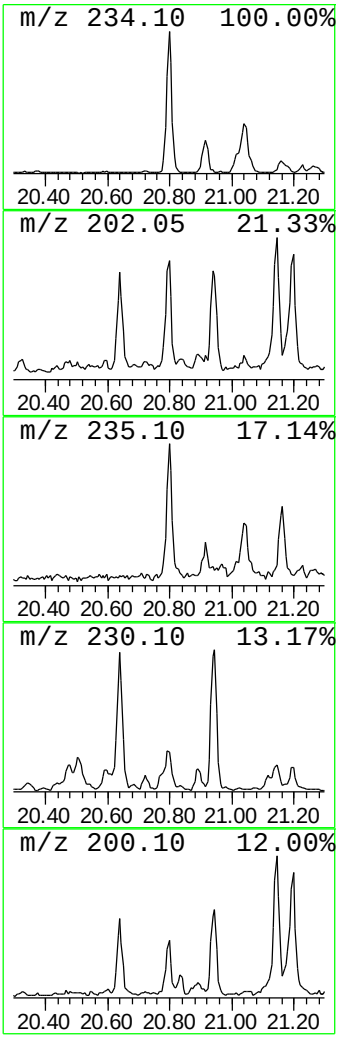
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.31 ng/ul	1246240	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	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	68
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	68
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64





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Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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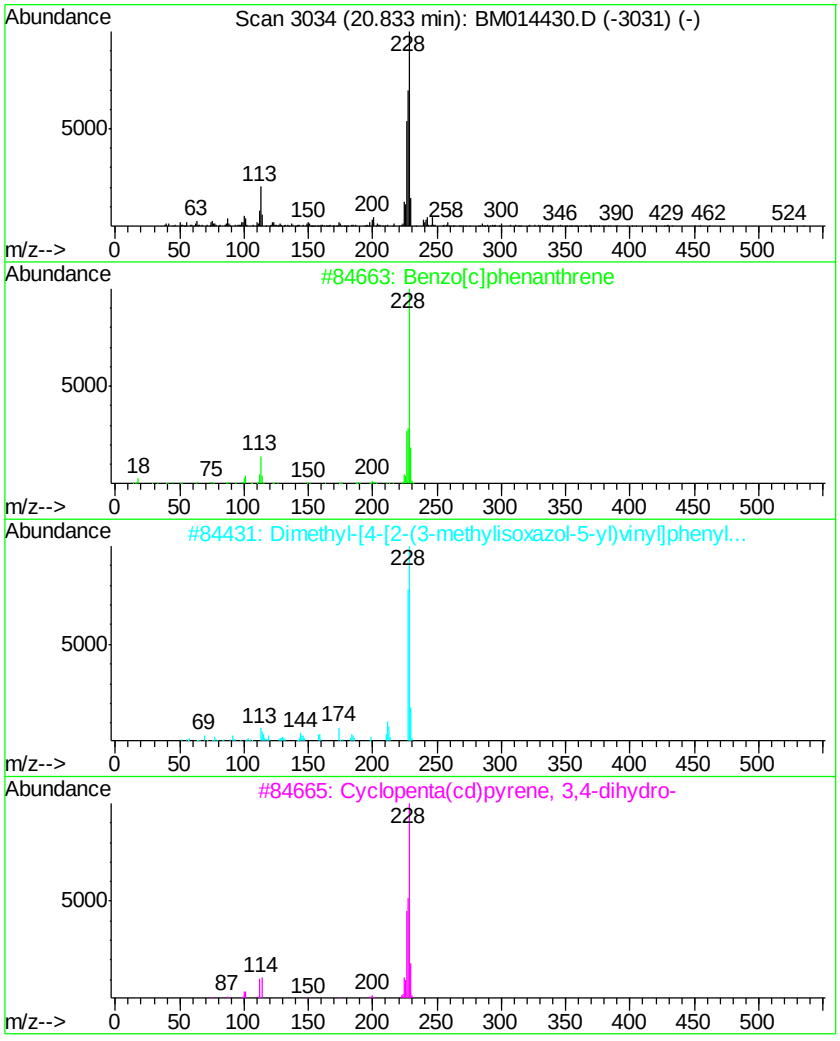
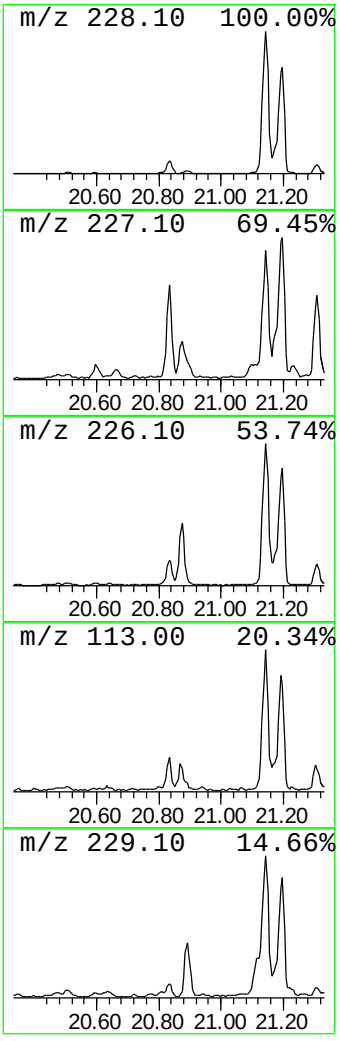
Peak Number 30 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.09 ng/ul	1128360	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





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Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId : BE5Z7

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Quant Title : SVOA CALIBRATION

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

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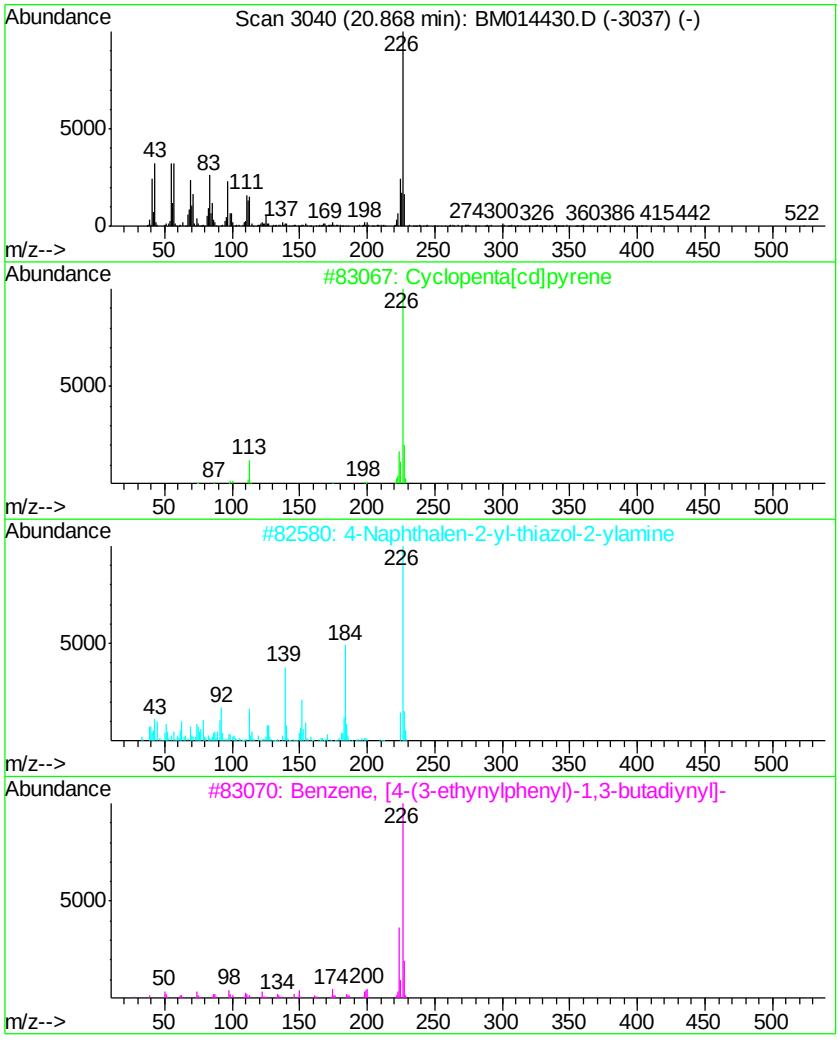
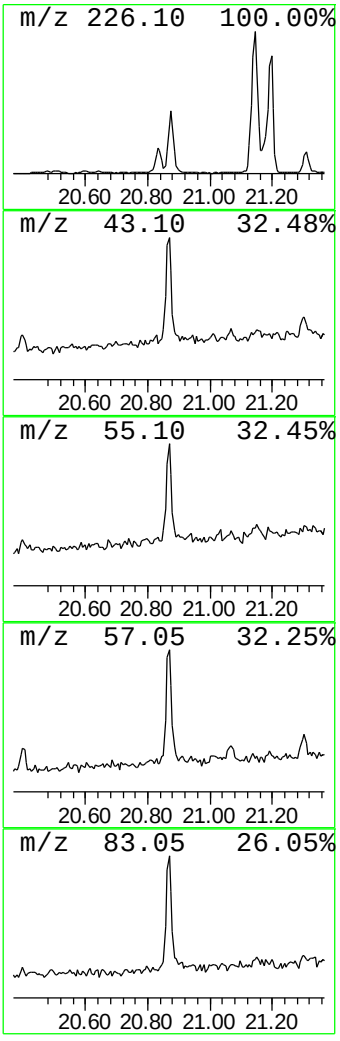
Peak Number 31 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.35 ng/ul	2348340	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	37
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	35
5	Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	32





Tentatively Identified Compound (LSC) summary

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Data File : BM014430.D
Acq On : 01 Mar 2018 08:43
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7

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, 2,7-...	13.49	2.6	ng/ul	312264	3	14.17	2422340	20.0
Dibenzofuran, 4-m...	15.53	4.7	ng/ul	571416	3	14.17	2422340	20.0
9H-Fluorene, 1-me...	16.24	5.0	ng/ul	652395	4	16.94	2636340	20.0
2,2-Dimethyl-1-ac...	16.47	2.9	ng/ul	381005	4	16.94	2636340	20.0
9H-Fluoren-9-one	16.60	5.2	ng/ul	685052	4	16.94	2636340	20.0
Benzo[b]benzofura...	16.67	4.1	ng/ul	541149	4	16.94	2636340	20.0
Naphtho[1,2-b]thi...	16.76	8.7	ng/ul	1143040	4	16.94	2636340	20.0
Phenanthridine	17.14	2.8	ng/ul	368729	4	16.94	2636340	20.0
5H-Dibenzo[a,d]cy...	17.46	2.3	ng/ul	299948	4	16.94	2636340	20.0
unknown-01	17.53	3.1	ng/ul	414470	4	16.94	2636340	20.0
Phenanthrene, 1-m...	17.82	12.3	ng/ul	1618680	4	16.94	2636340	20.0
4H-Cyclopenta[def...	18.01	22.3	ng/ul	2939850	4	16.94	2636340	20.0
Anthracene, 1-met...	18.04	6.8	ng/ul	900992	4	16.94	2636340	20.0
4-Methylcarbazole	18.13	2.6	ng/ul	338718	4	16.94	2636340	20.0
1,2,4,8-Tetrameth...	18.32	8.7	ng/ul	1143900	4	16.94	2636340	20.0
9,10-Anthracenedione	18.38	4.7	ng/ul	624599	4	16.94	2636340	20.0
Phenanthrene, 4,5...	18.57	2.4	ng/ul	314160	4	16.94	2636340	20.0
di-p-Tolylacetylene	18.62	2.5	ng/ul	327955	4	16.94	2636340	20.0
Phenanthrene, 3,6...	18.66	2.3	ng/ul	305345	4	16.94	2636340	20.0
Phenanthrene, 2,3...	18.74	6.8	ng/ul	897886	4	16.94	2636340	20.0
Cyclopenta(def)ph...	18.90	6.5	ng/ul	851639	4	16.94	2636340	20.0
Fluoranthene, 2-m...	19.71	3.0	ng/ul	1594000	5	21.16	10804900	20.0
11H-Benzo[b]fluorene	19.88	4.1	ng/ul	2202990	5	21.16	10804900	20.0
Pyrene, 1-methyl-	19.98	2.5	ng/ul	1362560	5	21.16	10804900	20.0
: 4-((2-Methylphe...	20.04	2.7	ng/ul	1457000	5	21.16	10804900	20.0
Benzo[b]naphtho[2...	20.80	2.3	ng/ul	1246240	5	21.16	10804900	20.0
unknown-02	20.83	2.1	ng/ul	1128360	5	21.16	10804900	20.0
unknown-03	20.87	4.3	ng/ul	2348340	5	21.16	10804900	20.0