LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

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-BM052717.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.434	733	739	749	rBV	748406	1188276	1.04%	0.208%
2	7.893	809	817	824	rBV	805007	1313050	1.15%	0.230%
3	8.616	933	940	951	rBV2	811711	1314301	1.15%	0.231%
4	9.081	1009	1019	1026	rBV	663245	1195910	1.05%	0.210%
5	10.328	1223	1231	1241	rBV	985720	1695444	1.48%	0.297%
6	10.704	1283	1295	1298	rBV	952627	1743429	1.52%	0.306%
7	10.763	1298	1305	1313	rVB	31351158	48169220	42.12%	8.449%
8	10.869	1315	1323	1337	rVB2	1479912	2955486	2.58%	0.518%
9	12.357	1569	1576	1587	rBV	15562884	23109902	20.21%	4.054%
10	12.575	1603	1613	1620	rVB	7659700	11584102	10.13%	2.032%
11	13.363	1741	1747	1757	rBV	3732242	5241448	4.58%	0.919%
12	13.551	1774	1779	1791	rVB	1315722	2433849	2.13%	0.427%
13	13.686	1794	1802	1803	rBV	2290756	3360507	2.94%	0.589%
14	13.845	1822	1829	1834	rBV	3412647	6081572	5.32%	1.067%
15	13.898	1834	1838	1843	rVV	2076928	2918223	2.55%	0.512%
16	13.951	1843	1847	1851	rVB	1801435	2215626	1.94%	0.389%
17	13.998	1851	1855	1862	rVB	1754097	2381910	2.08%	0.418%
18	14.080	1863	1869	1873	rBV	1356677	2112540	1.85%	0.371%
19	14.233	1886	1895	1905	rBV4	2011199	4226913	3.70%	0.741%
20	14.498	1935	1940	1943	rBV	1963339	2663999	2.33%	0.467%
21	14.533	1943	1946	1951	rVV2	1402273	2076728	1.82%	0.364%
22	14.604	1951	1958	1964	rVB	19435831	25518591	22.31%	4.476%
23	14.939	2006	2015	2020	rVV	16706243	22663404	19.82%	3.975%
24	15.527	2110	2115	2119	rVB2	2146427	2800776	2.45%	0.491%
25	15.592	2119	2126	2132	rVB	25354575	34778657	30.41%	6.100%
26	15.669	2132	2139	2142	rBV2	1148312	1933353	1.69%	0.339%
27	15.739	2147	2151	2156	rVB2	1645180	2350723	2.06%	0.412%
28	15.868	2169	2173	2180	rVB	2753645	3831497	3.35%	0.672%
29	16.016	2190	2198	2206	rBV	2836725	5495879	4.81%	0.964%
30	16.574	2281	2293	2298	rBV	2009593	3912046	3.42%	0.686%
31	16.798	2323	2331	2334	rBV2	701619	1405514	1.23%	0.247%
32	16.998	2360	2365	2376	rBV	743003	1644850	1.44%	0.289%
33	17.104	2377	2383	2393	rVB	3967359	5825137	5.09%	1.022%
34	17.286	2408	2414	2416	rBV	1735196	2658927	2.32%	0.466%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

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-BM052717.M
Title : SVOA CALIBRATION

35	17.345	2416	2424	2428	rVV2	76284833	114365117	100.00%	20.060%
36	17.386	2428	2431	2433	rVV	2765393	3465355	3.03%	0.608%
37	17.421	2433	2437	2443	rVB	8950607	11748978	10.27%	2.061%
38	17.704	2474	2485	2495	rVB	3772579	5929902	5.19%	1.040%
39	17.792	2495	2500	2507	rBV2	726017	1271967	1.11%	0.223%
40	18.151	2553	2561	2565	rBV	3401503	5171830	4.52%	0.907%
41	18.198	2565	2569	2576	rVB	4743496	6170801	5.40%	1.082%
42	18.280	2578	2583	2588	rVB	2044005	2633426	2.30%	0.462%
43	18.357	2588	2596	2599	rBV2	6183906	10375901	9.07%	1.820%
44	18.651	2641	2646	2651	rVB	2474634	3317565	2.90%	0.582%
45	19.057	2709	2715	2719	rBV	920547	1554245	1.36%	0.273%
46	19.345	2756	2764	2769	rBV2	38193456	51866686	45.35%	9.098%
47	19.580	2799	2804	2812	rVB	885241	1603808	1.40%	0.281%
48	19.668	2813	2819	2822	rBV2	7571924	13375750	11.70%	2.346%
49	19.704	2822	2825	2831	rVV	23012729	29201527	25.53%	5.122%
50	19.762	2831	2835	2843	rVB	988692	1451750	1.27%	0.255%
51	19.868	2849	2853	2858	rVB	1318348	1671049	1.46%	0.293%
52	20.009	2871	2877	2884	rVB2	1228544	2734862	2.39%	0.480%
53	20.156	2895	2902	2903	rVV4	1019354	1851569	1.62%	0.325%
54	20.186	2903	2907	2912	rVB	3934597	5217940	4.56%	0.915%
55	20.286	2918	2924	2928	rBV	4601347	6017364	5.26%	1.055%
56	20.345	2931	2934	2937	rVB	925616	1175228	1.03%	0.206%
57	21.098	3058	3062	3065	rBV	1369141	1928185	1.69%	0.338%
58	21.133	3065	3068	3072	rVV	1058179	1325106	1.16%	0.232%
59	21.433	3112	3119	3125	rBV2	7633569	15438876	13.50%	2.708%
60	21.486	3125	3128	3133	rVB	5690921	6757600	5.91%	1.185%
61	21.603	3144	3148	3155	rBV	1236509	1795766	1.57%	0.315%
62	23.074	3392	3398	3403	rBV	1896372	4541768	3.97%	0.797%
63	23.580	3480	3484	3488	rBV	779606	1219840	1.07%	0.214%
64	23.633	3488	3493	3498	rVV2	2267608	4390873	3.84%	0.770%
65	23.680	3498	3501	3507	rVB	1481450	2459202	2.15%	0.431%
66	23.786	3513	3519	3524	rBV	1789513	3276683	2.87%	0.575%

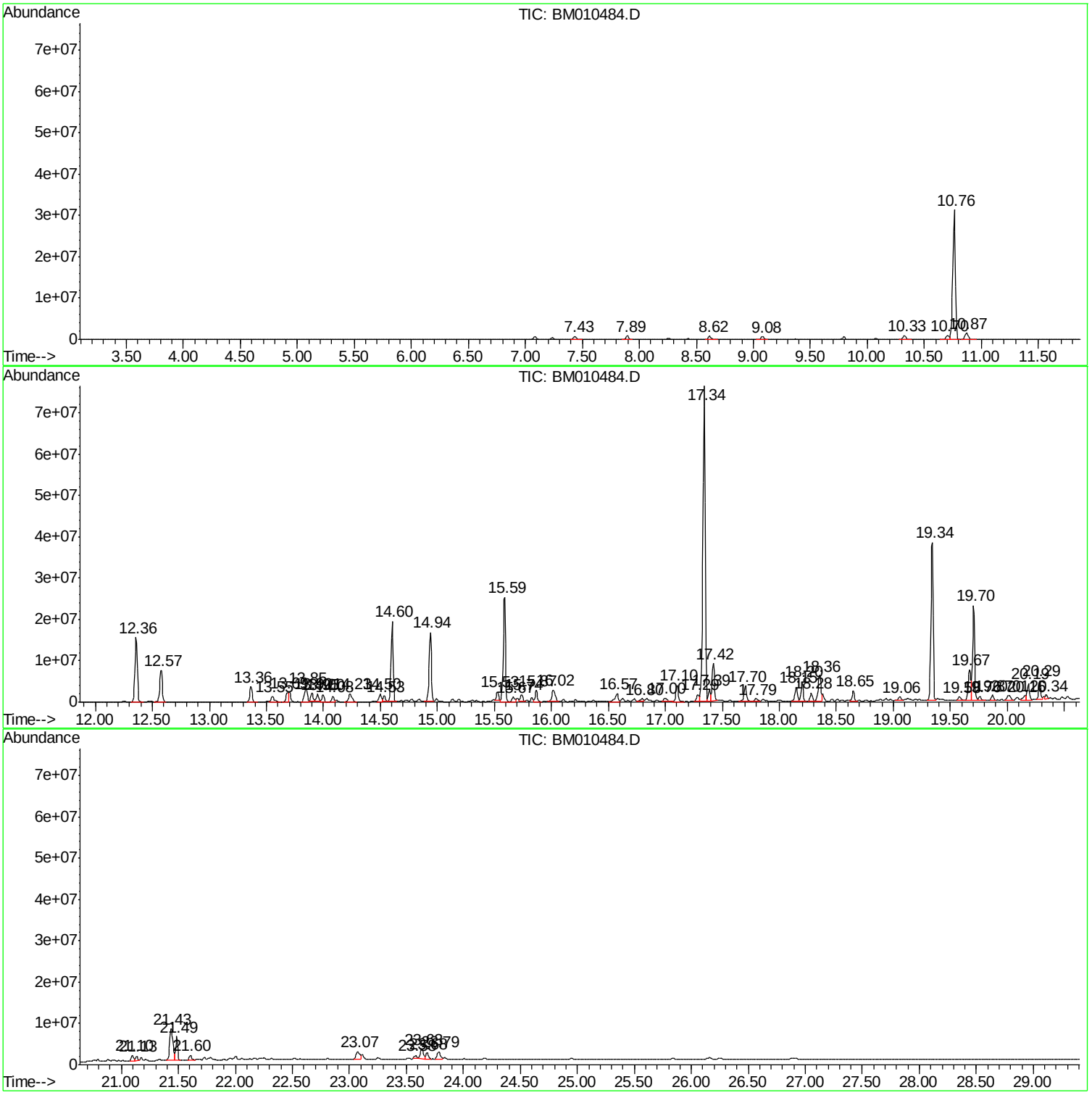
Sum of corrected areas: 570108308

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

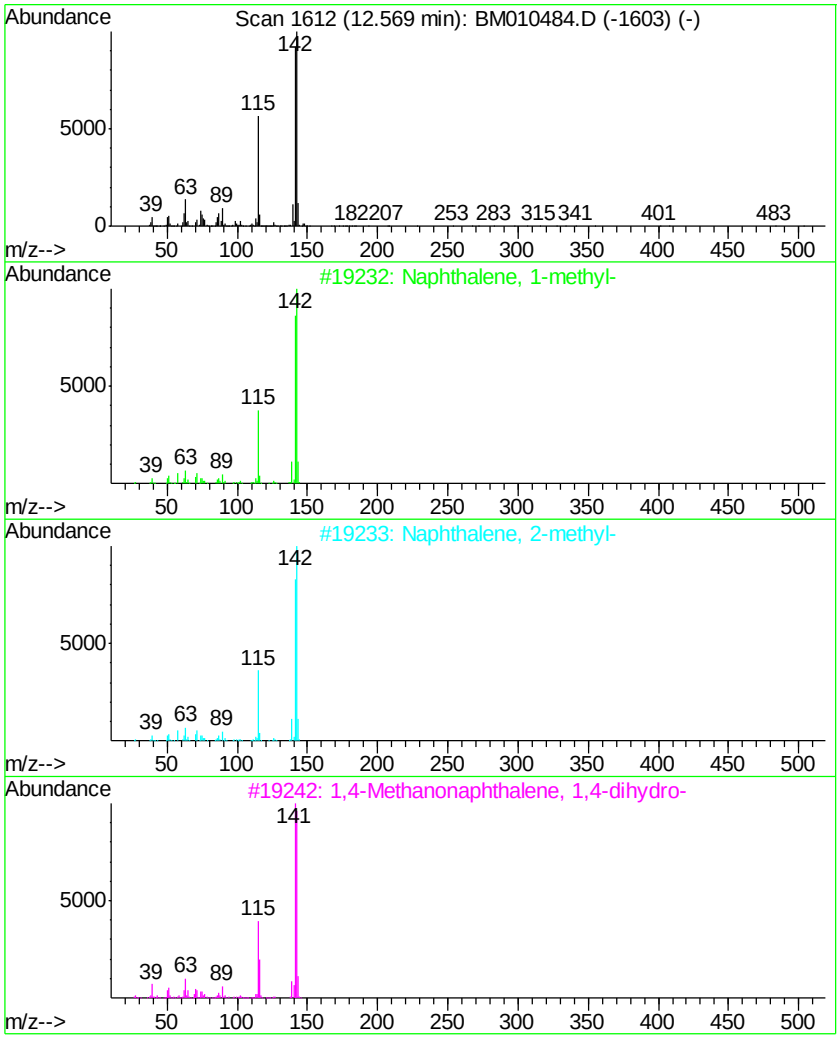
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

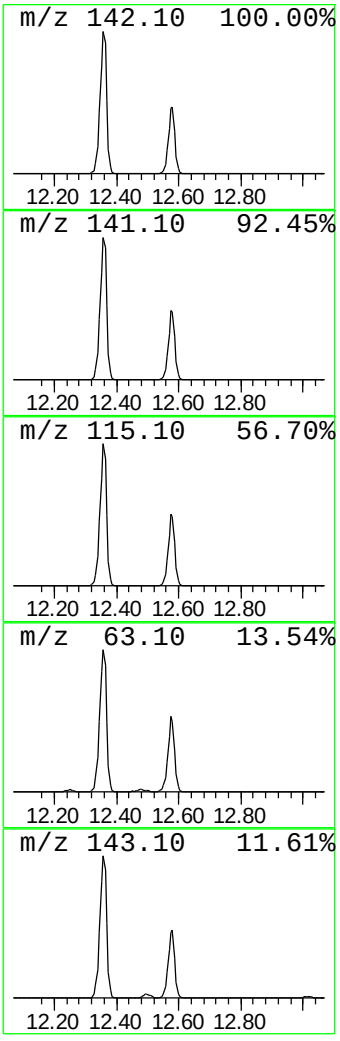
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	132.89 ng/ul	11584100	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

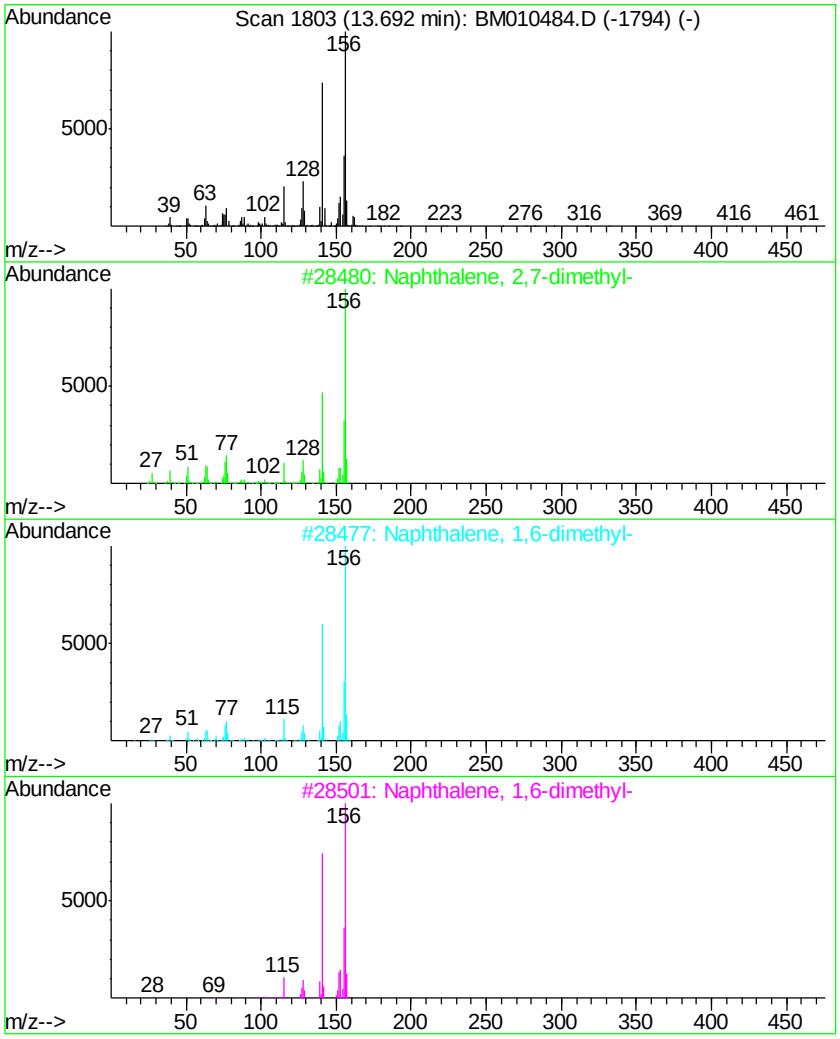
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

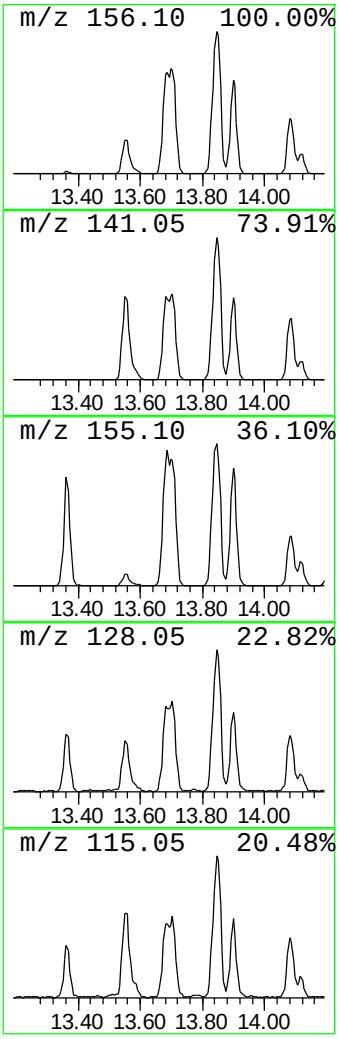
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	32.36 ng/ul	3360510	Acenaphthene-d10	14.53

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	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

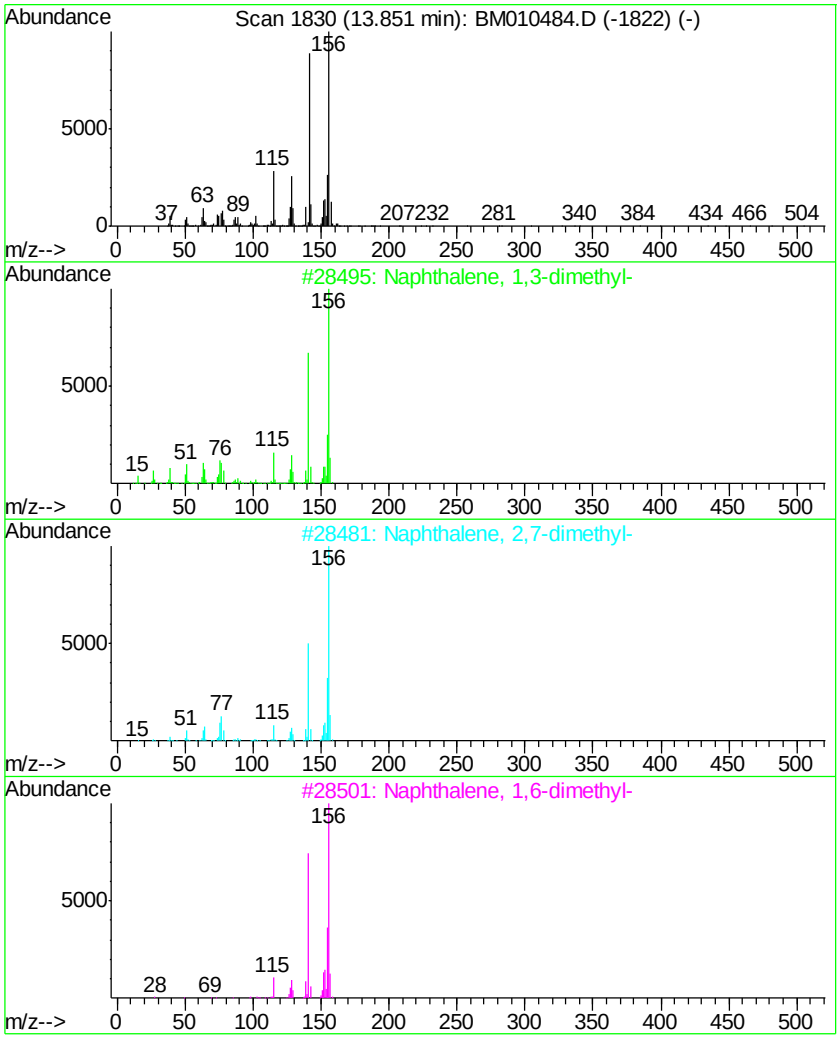
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

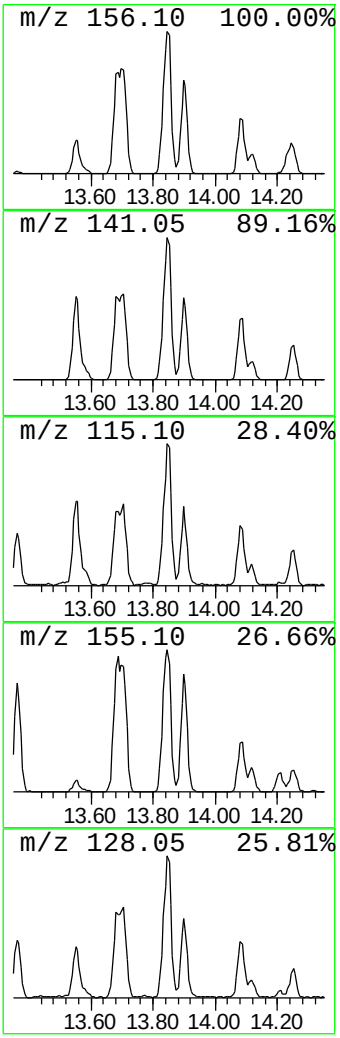
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	58.57 ng/ul	6081570	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

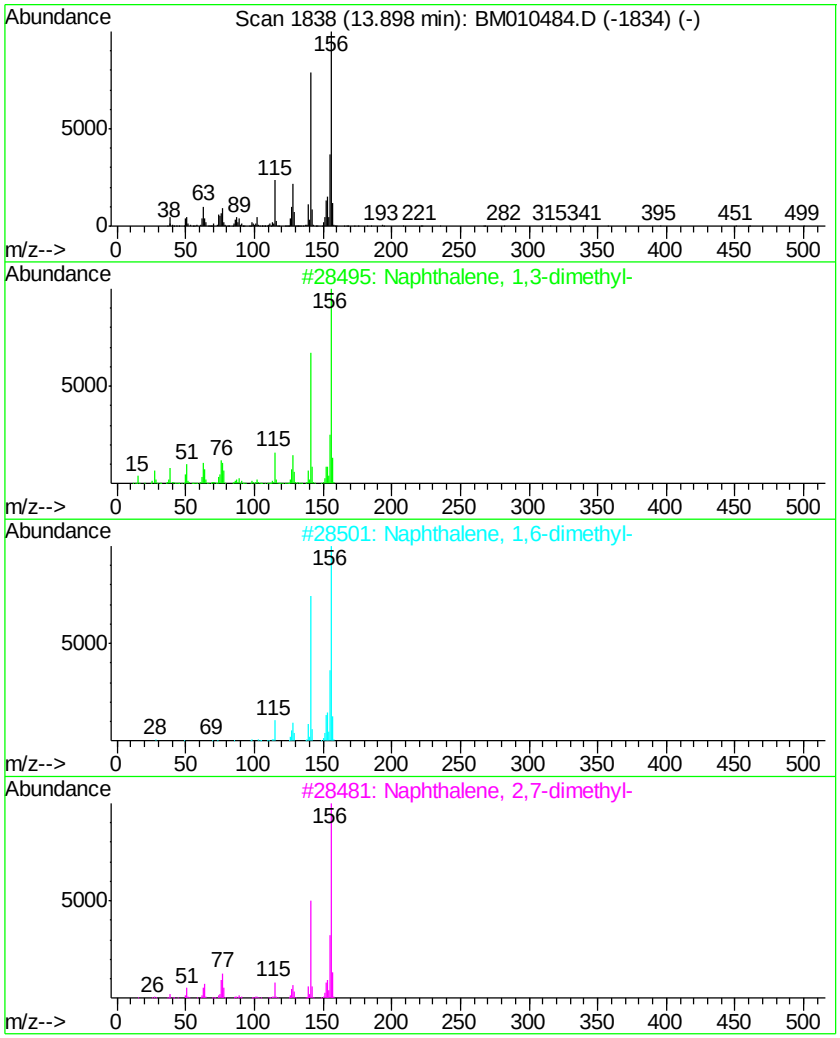
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

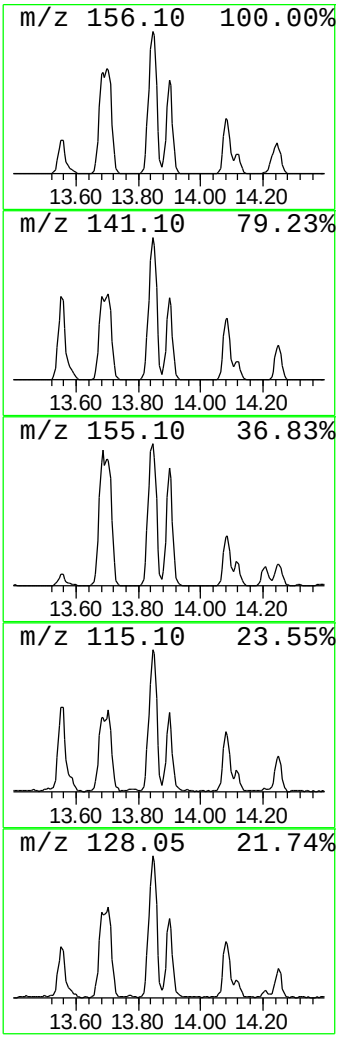
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	28.10 ng/ul	2918220	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

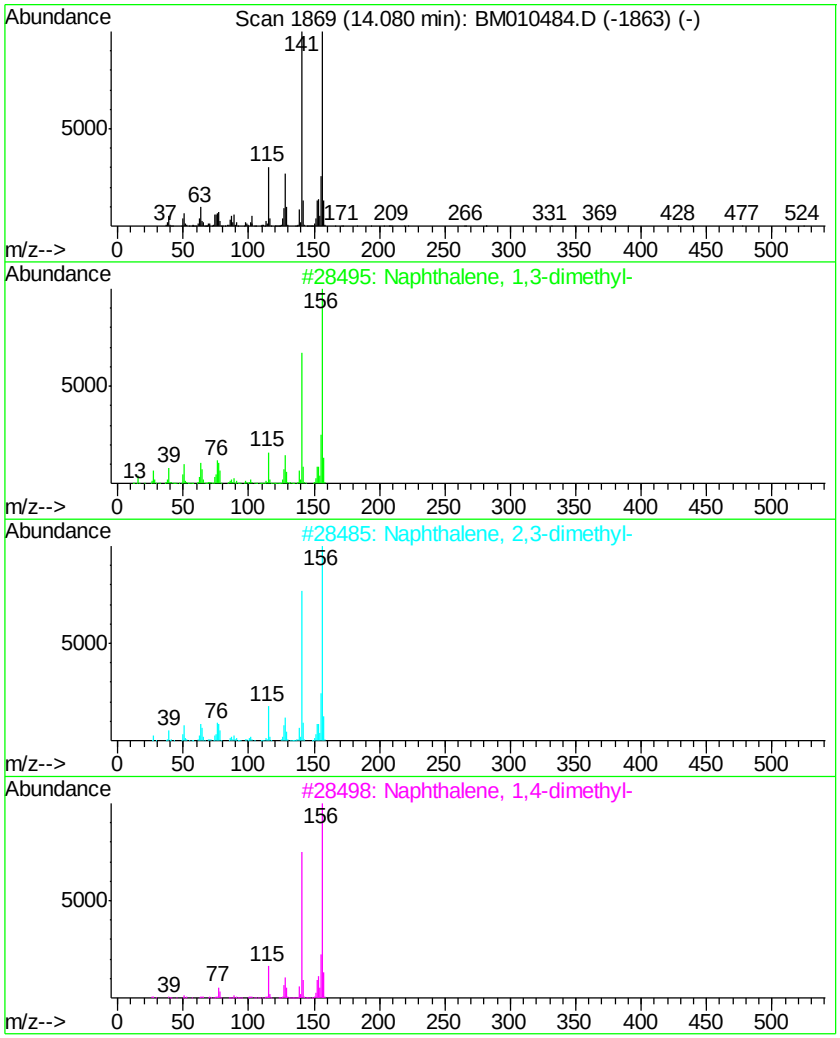
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

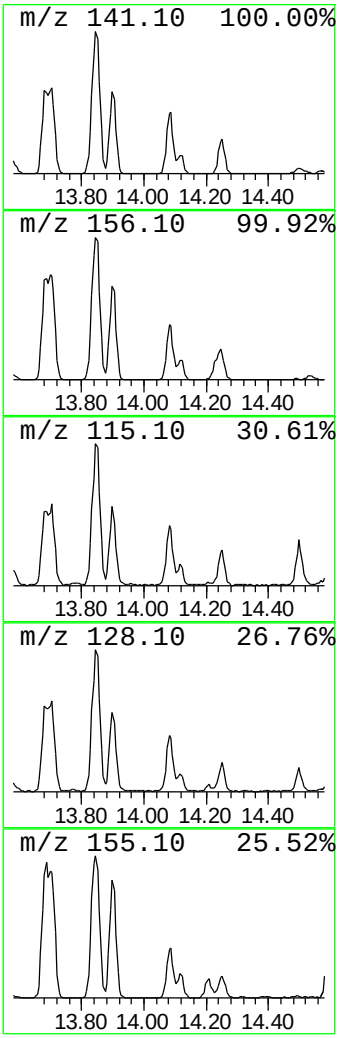
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	20.34 ng/ul	2112540	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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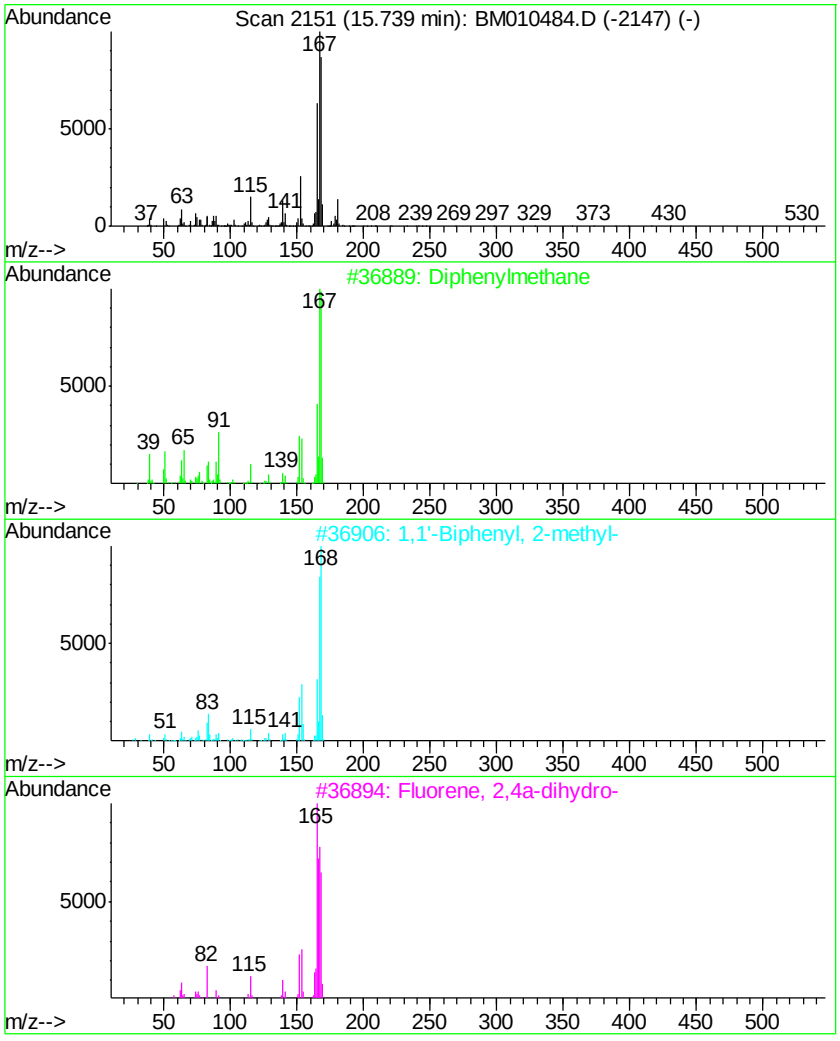
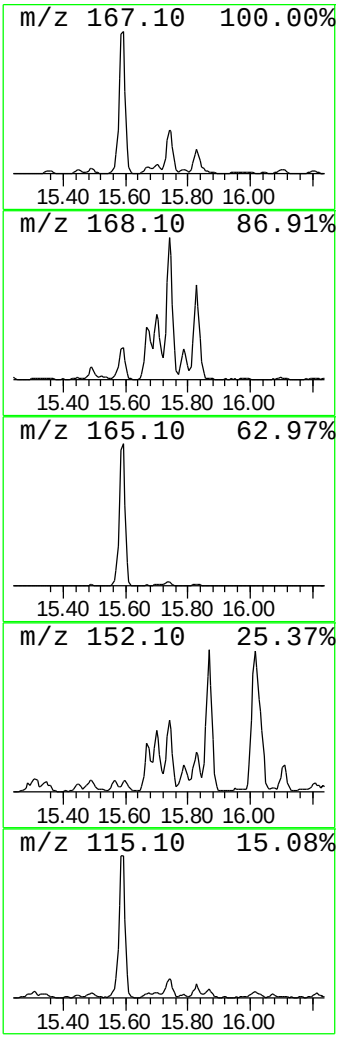
Peak Number 7 Diphenylmethane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	22.64 ng/ul	2350720	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	76
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

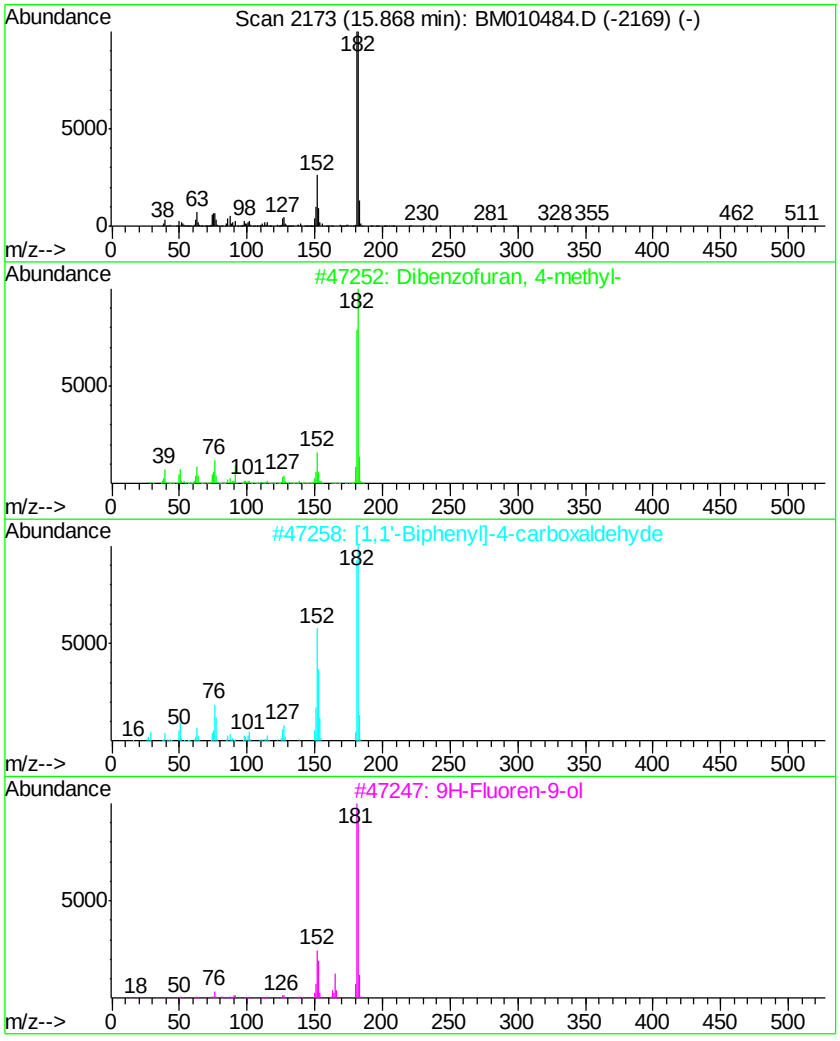
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

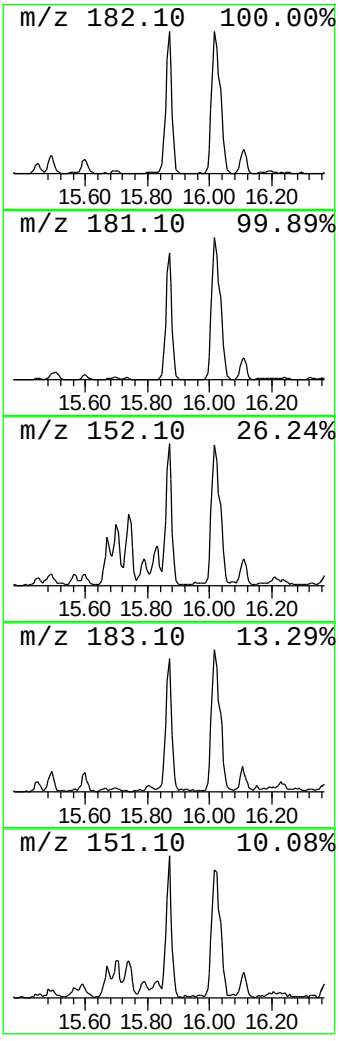
****

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	36.90 ng/ul	3831500	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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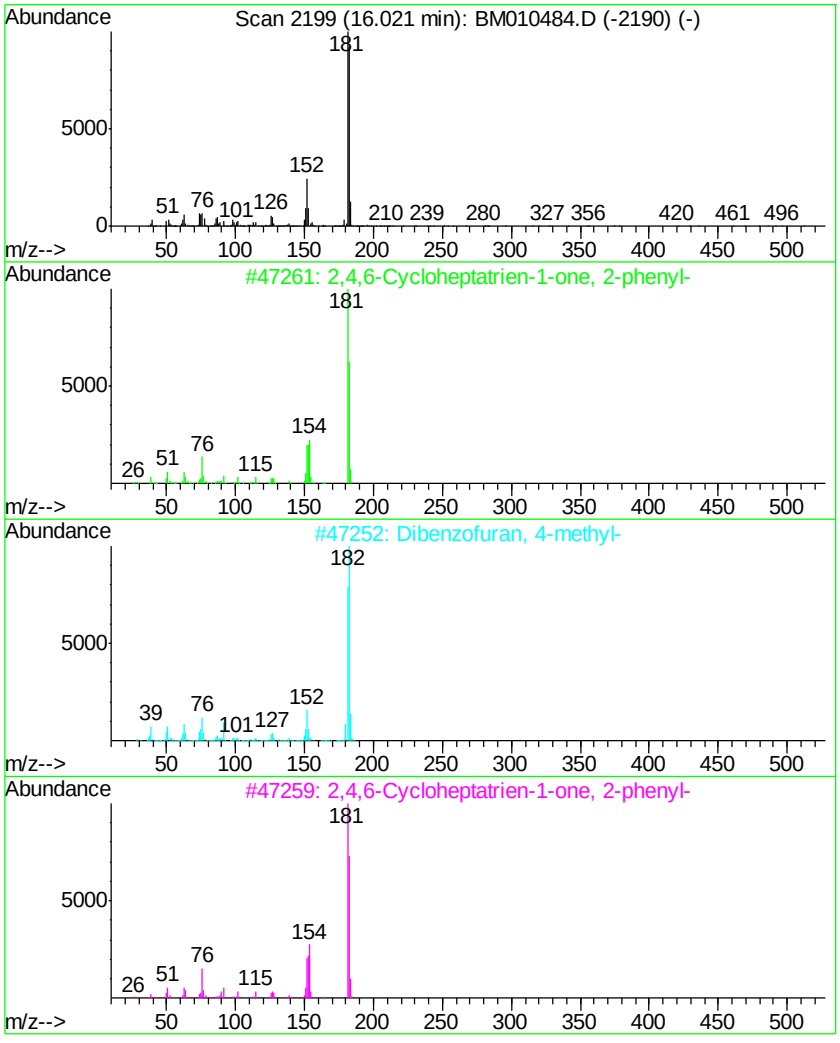
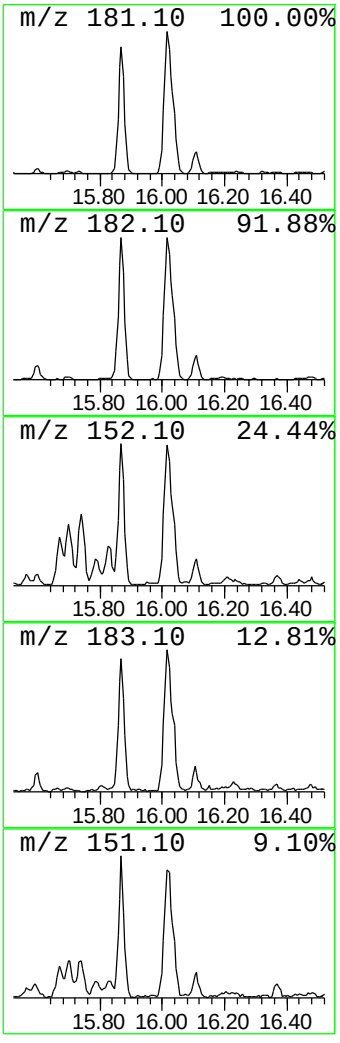
Peak Number 9 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	41.34 ng/ul	5495880	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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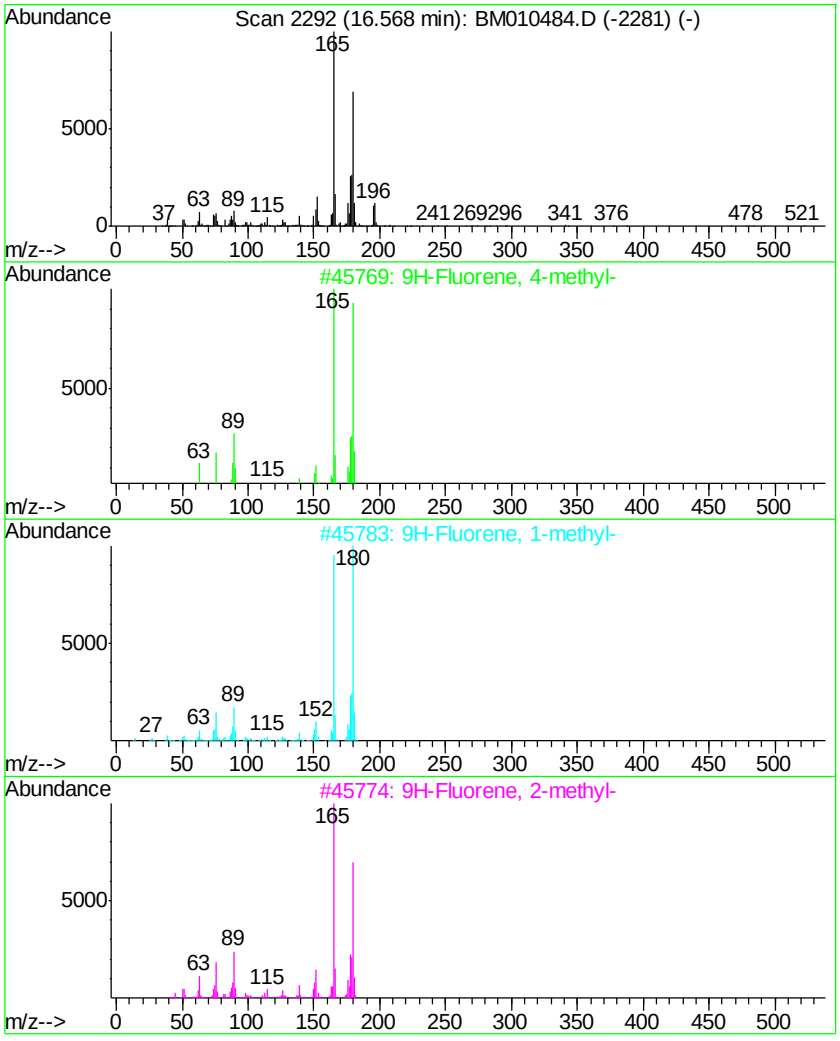
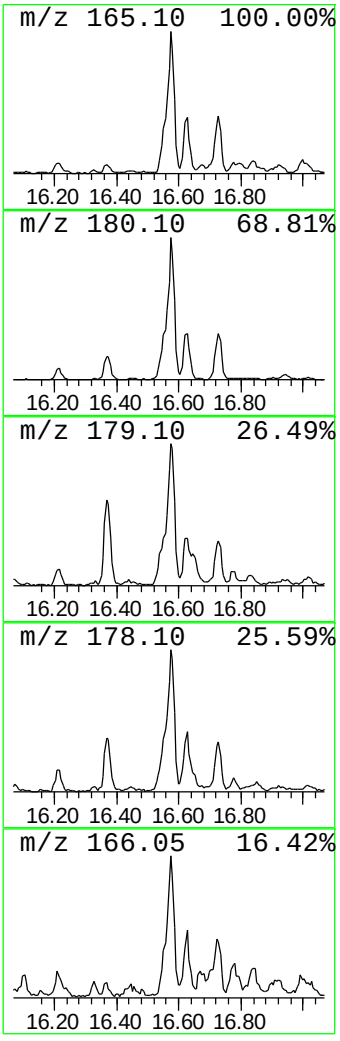
Peak Number 10 9H-Fluorene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	29.43 ng/ul	3912050	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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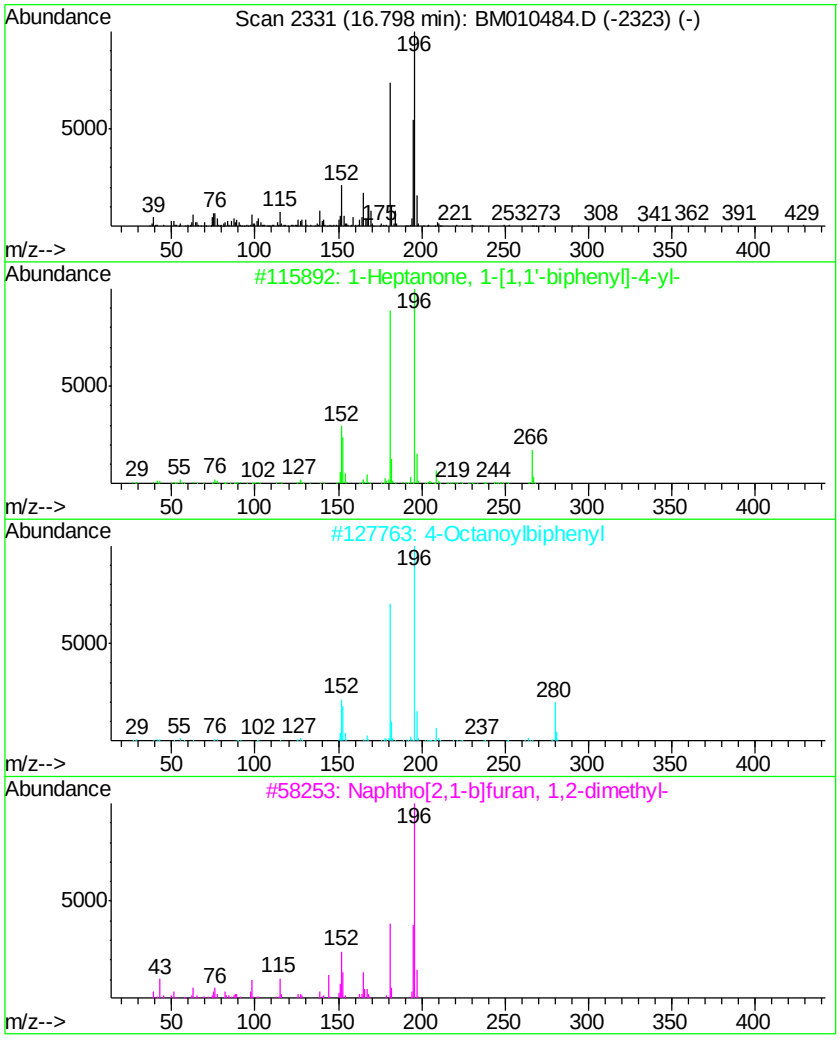
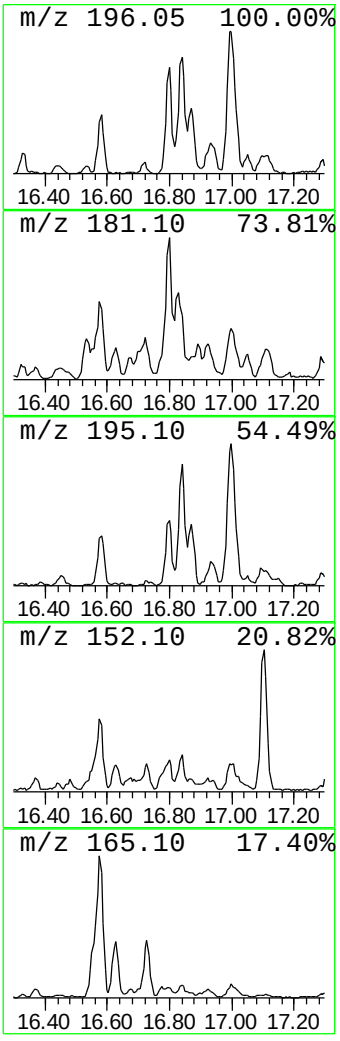
Peak Number 11 1-Heptanone, 1-[1,1'-biphen... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	10.57 ng/ul	1405510	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanone, 1-[1,1'-biphenyl]-4...	266	C19H22O	059662-27-0	59
2	4-Octanoylbiphenyl	280	C20H24O	047162-00-5	59
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	59
4	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	50
5	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	42





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Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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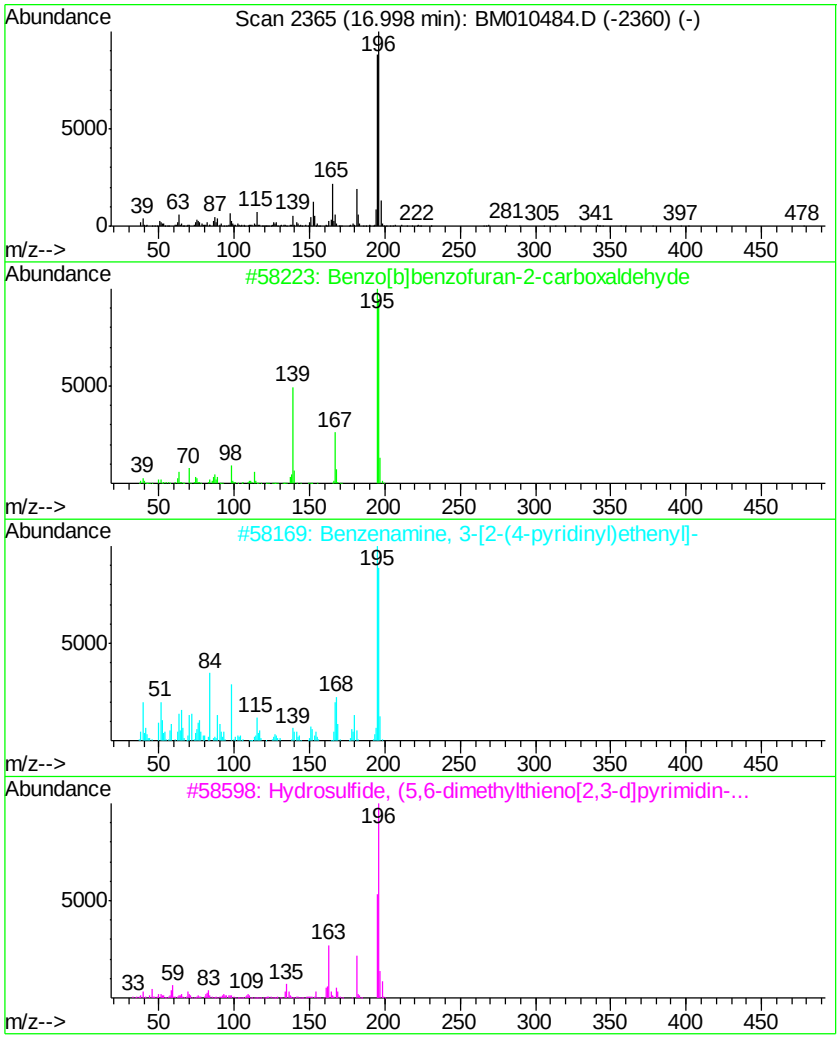
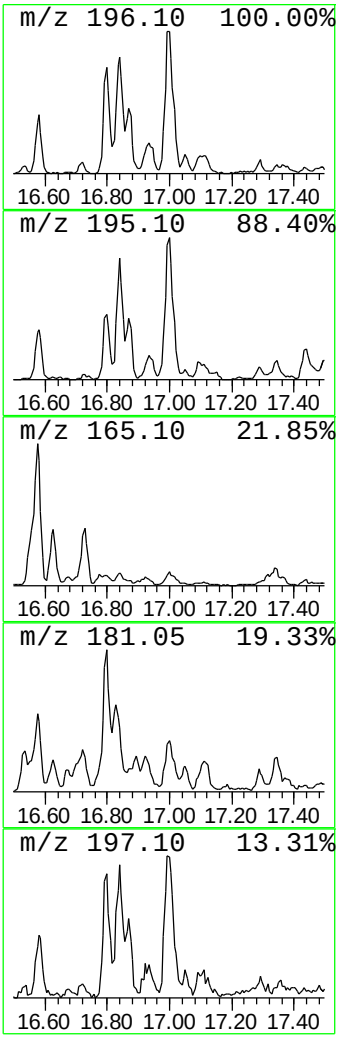
Peak Number 12 Benzo[b]benzofuran-2-carbox... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	12.37 ng/ul	1644850	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	70
2	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
3	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	47





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Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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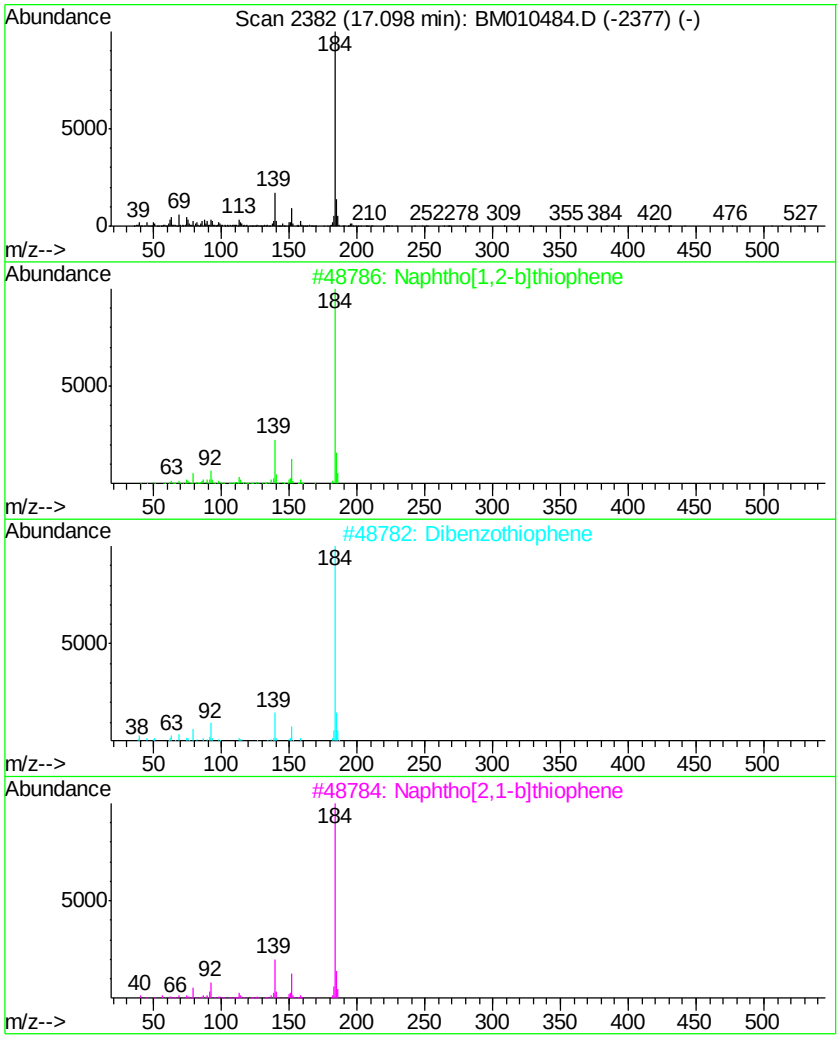
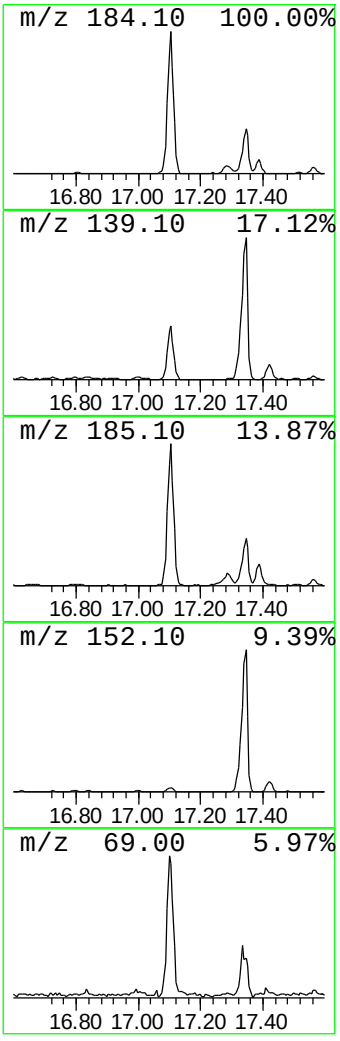
Peak Number 13 Naphtho[1,2-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	43.82 ng/ul	5825140	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

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Quant Title : SVOA CALIBRATION

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

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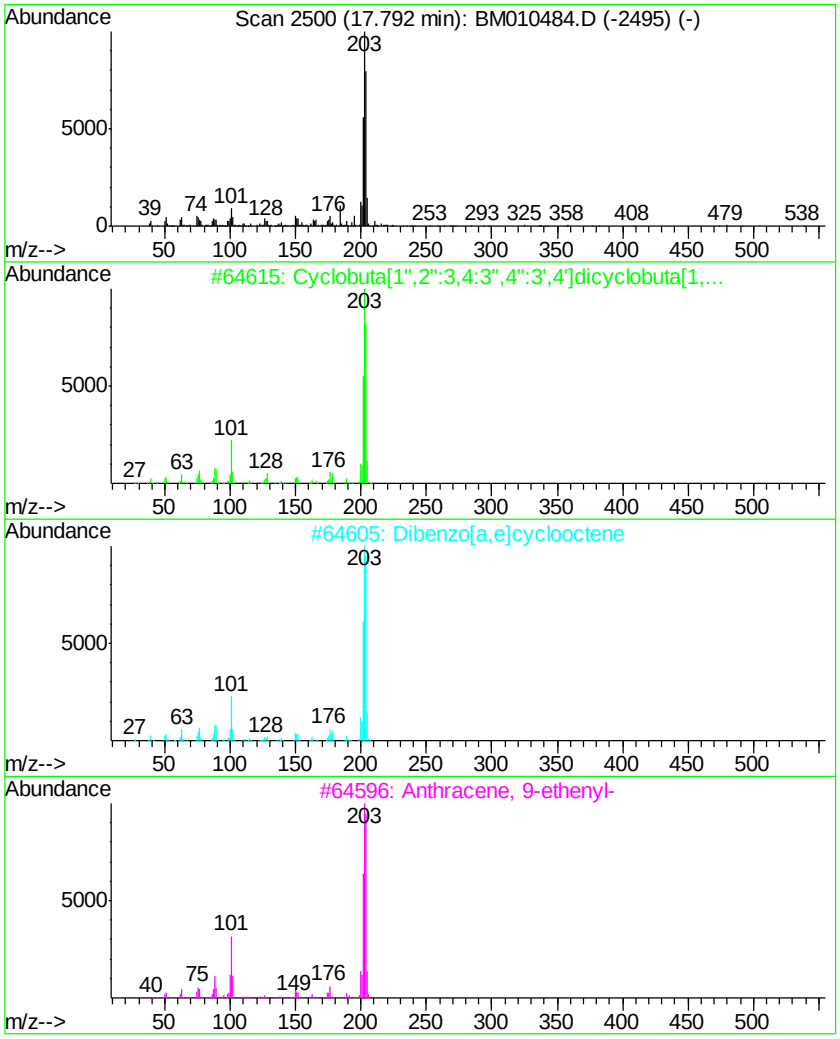
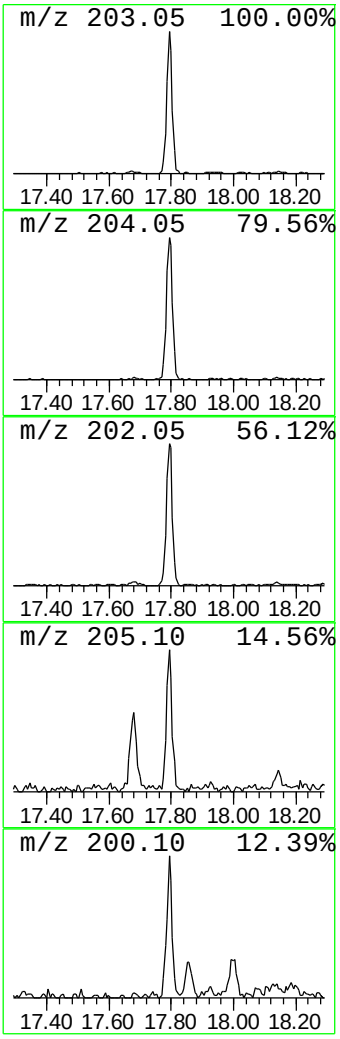
Peak Number 14 Cyclobuta[1'',2'':3,4:3'',4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	9.57 ng/ul	1271970	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	64





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Acq On : 10 Jun 2017 14:22
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Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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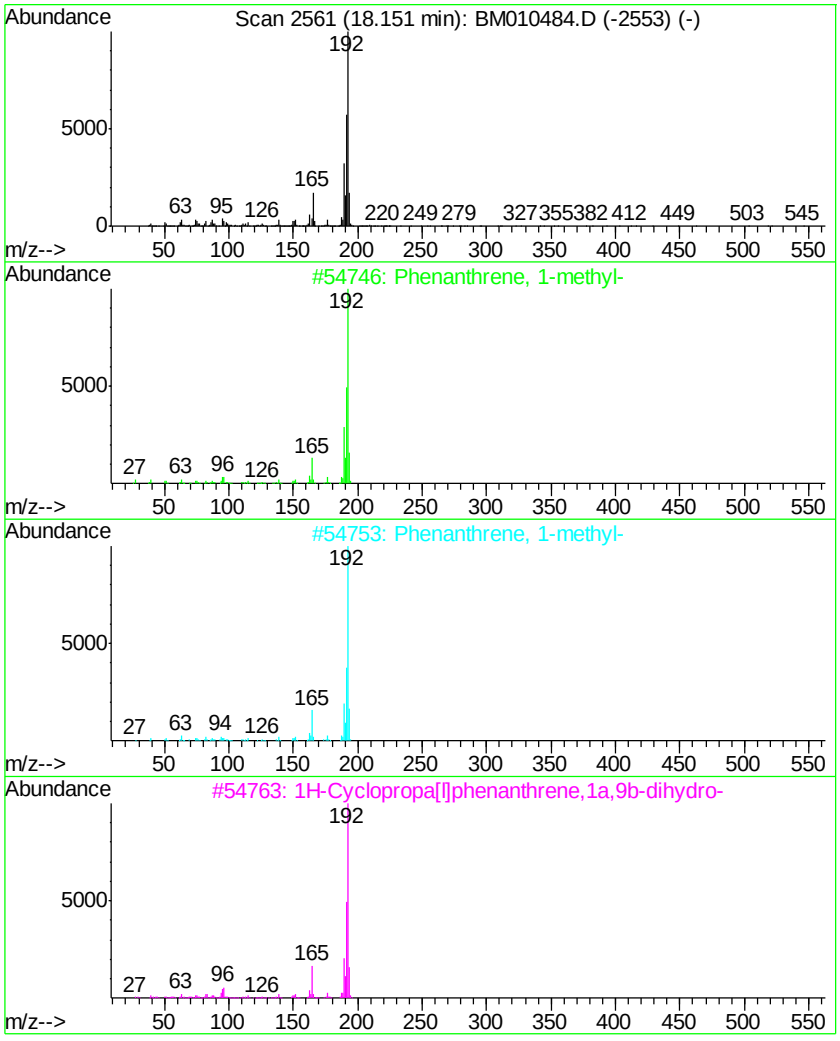
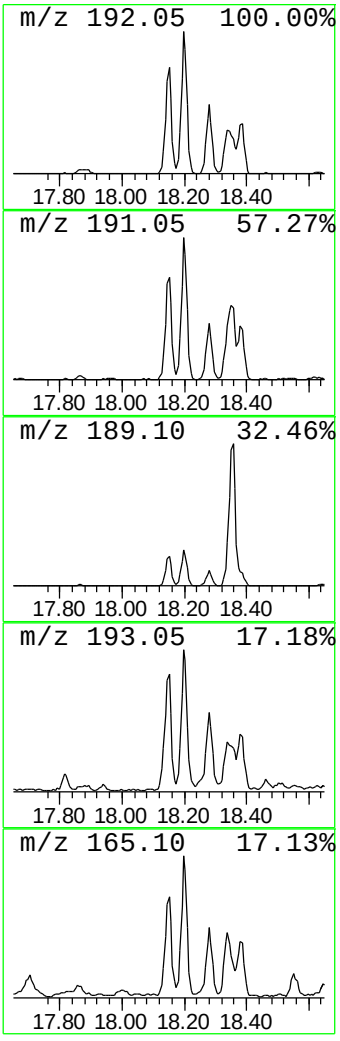
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	38.90 ng/ul	5171830	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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ALS Vial : 9 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 16 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	46.42 ng/ul	6170800	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
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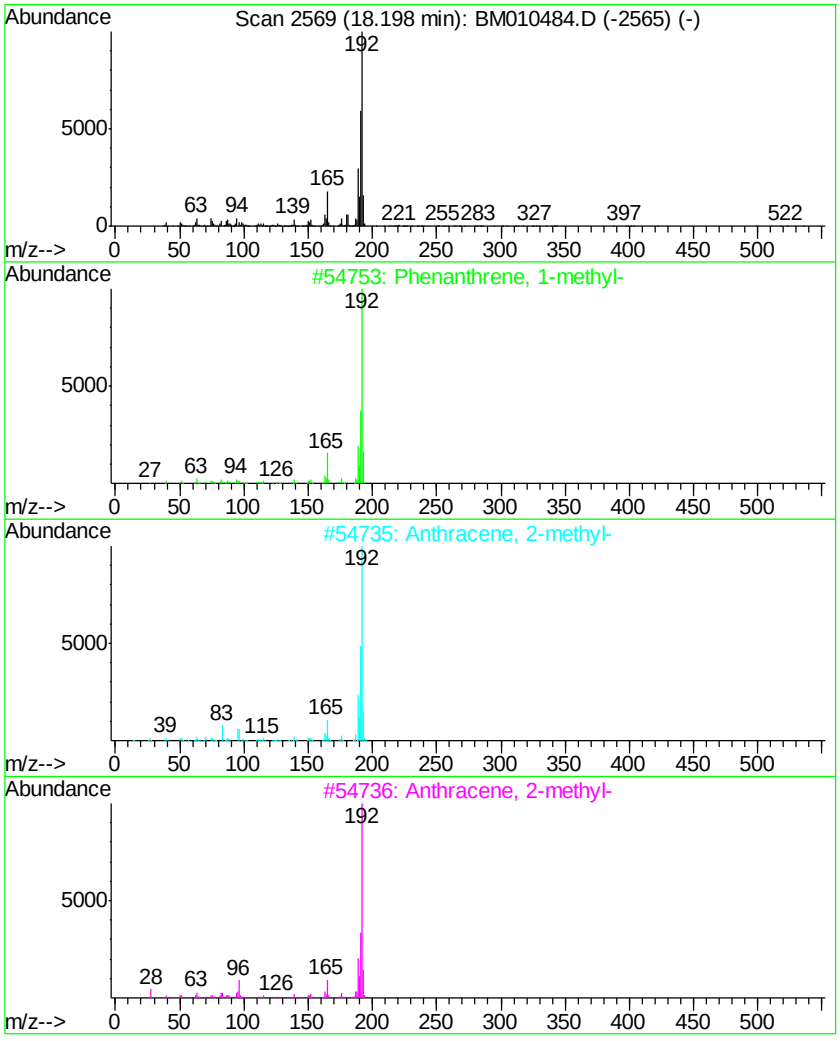

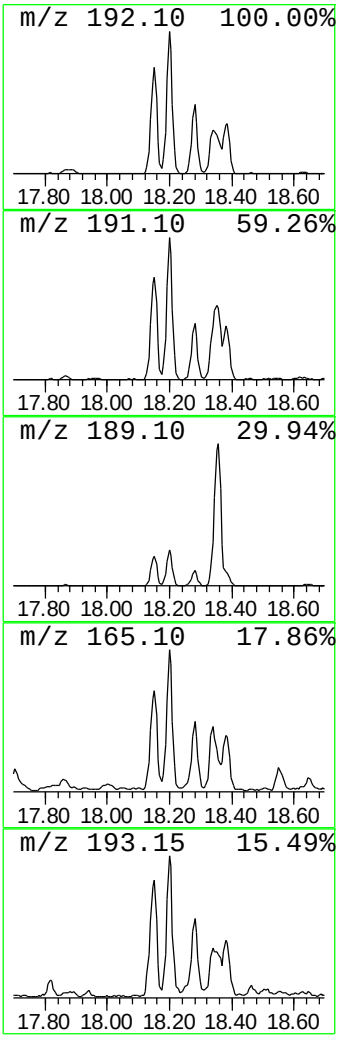

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Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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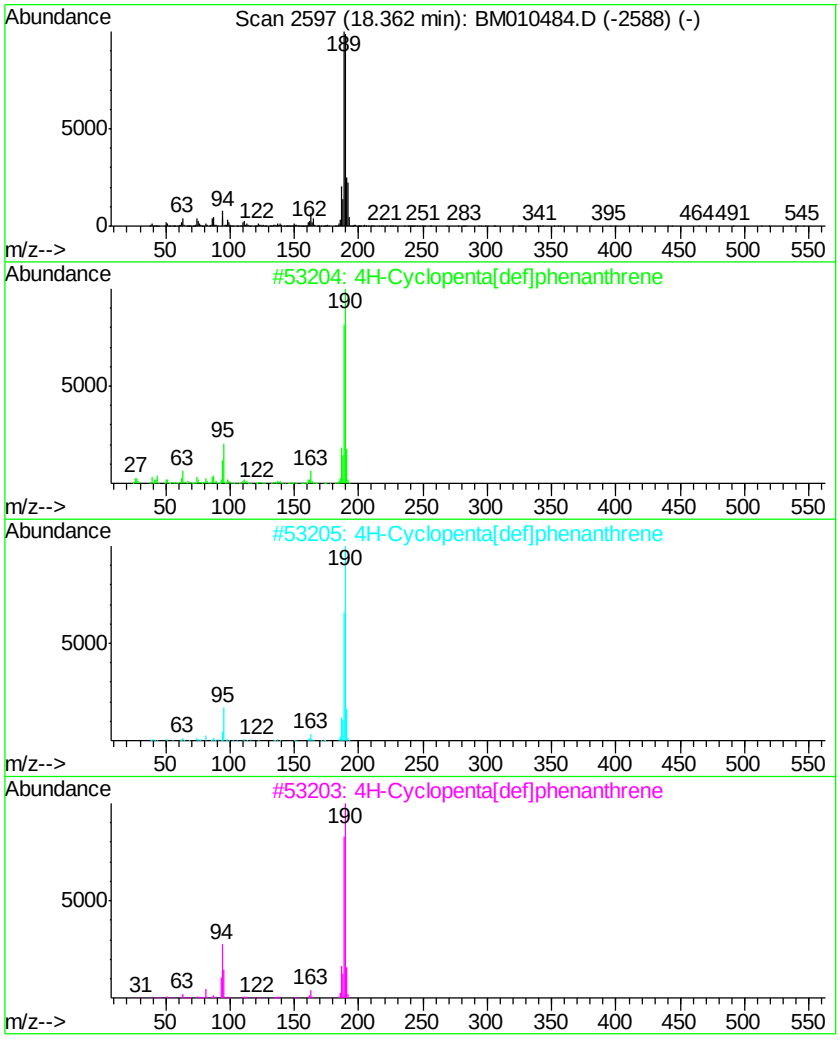
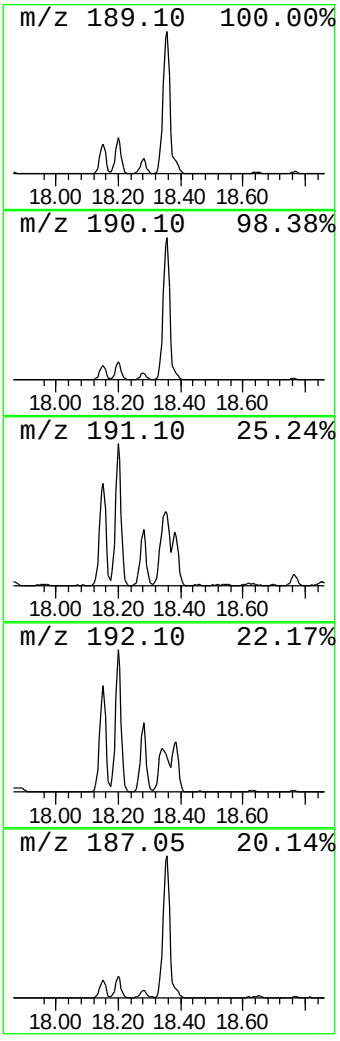
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	78.05 ng/ul	10375900	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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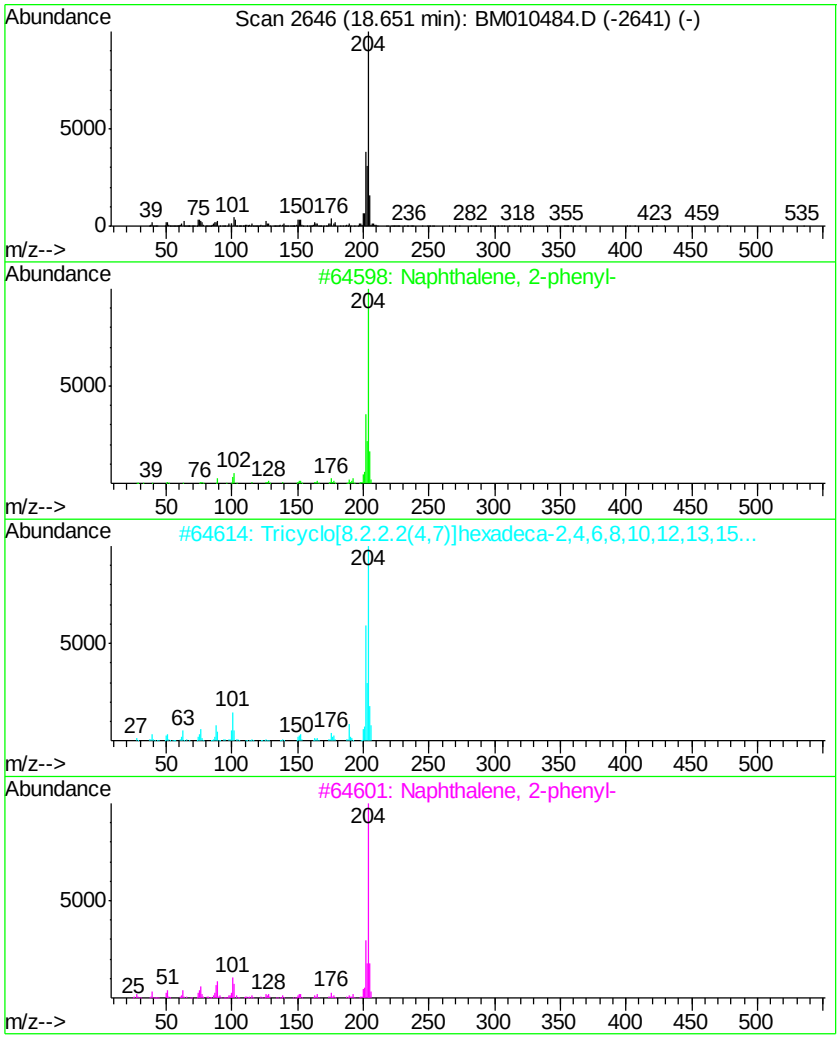
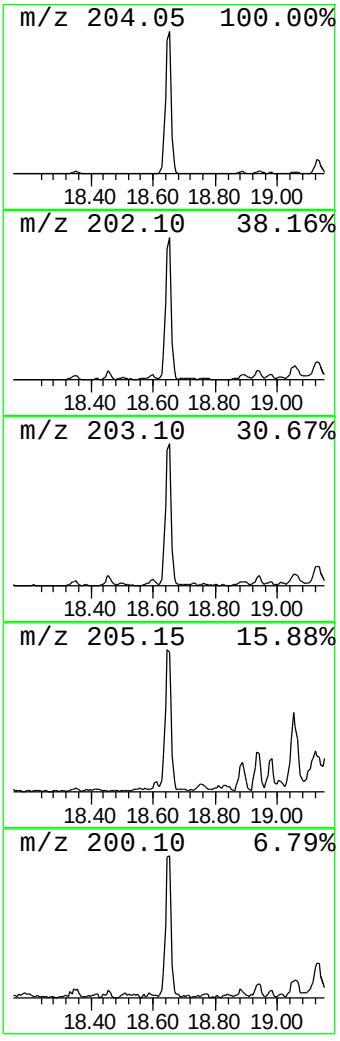
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	24.95 ng/ul	3317570	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
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





Library Search Compound Report

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Operator : SJ/MA
Sample : I3521-09
Misc :
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Quant Title : SVOA CALIBRATION

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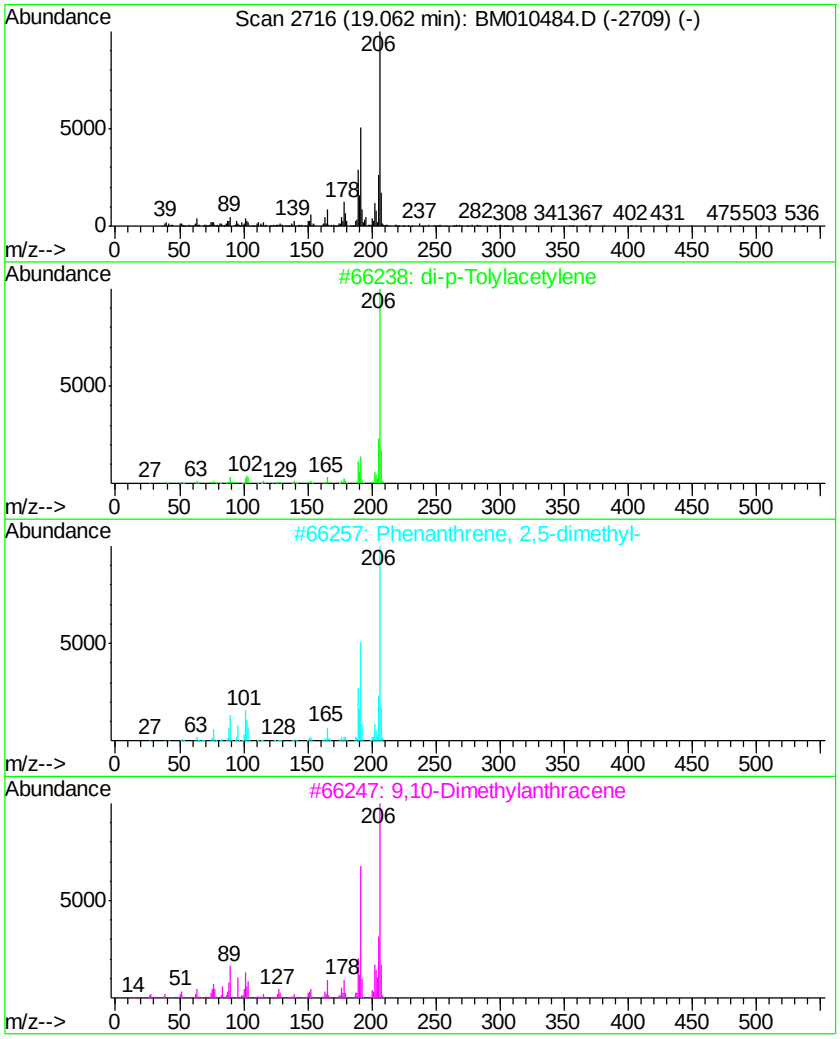
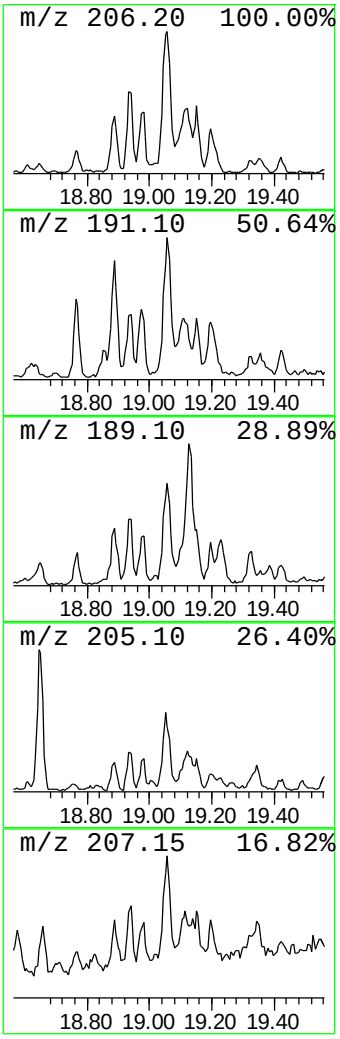
Peak Number 20 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	11.69 ng/ul	1554250	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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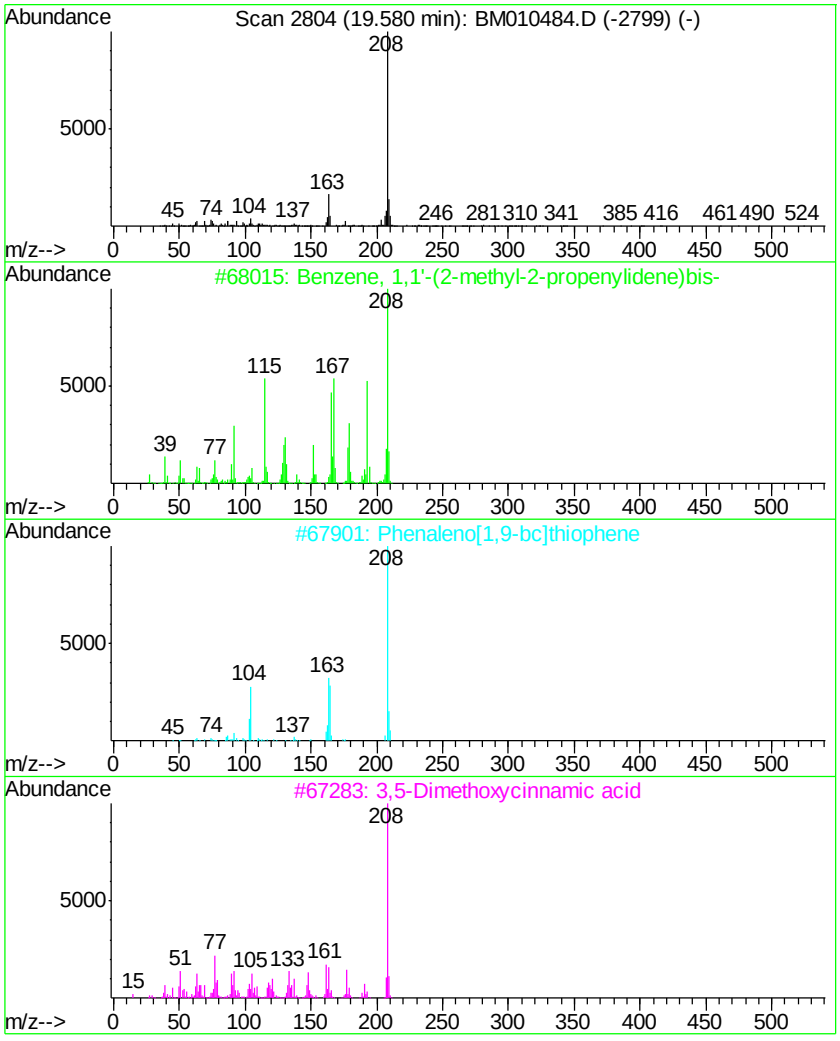
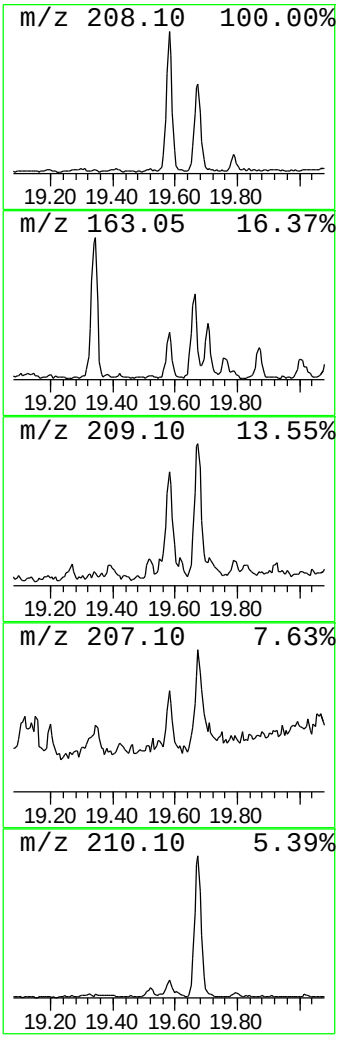
Peak Number 21 Benzene, 1,1'-(2-methyl-2-p... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	2.08 ng/ul	1603810	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
2	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	59
3	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	56
4	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	53
5	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	45





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Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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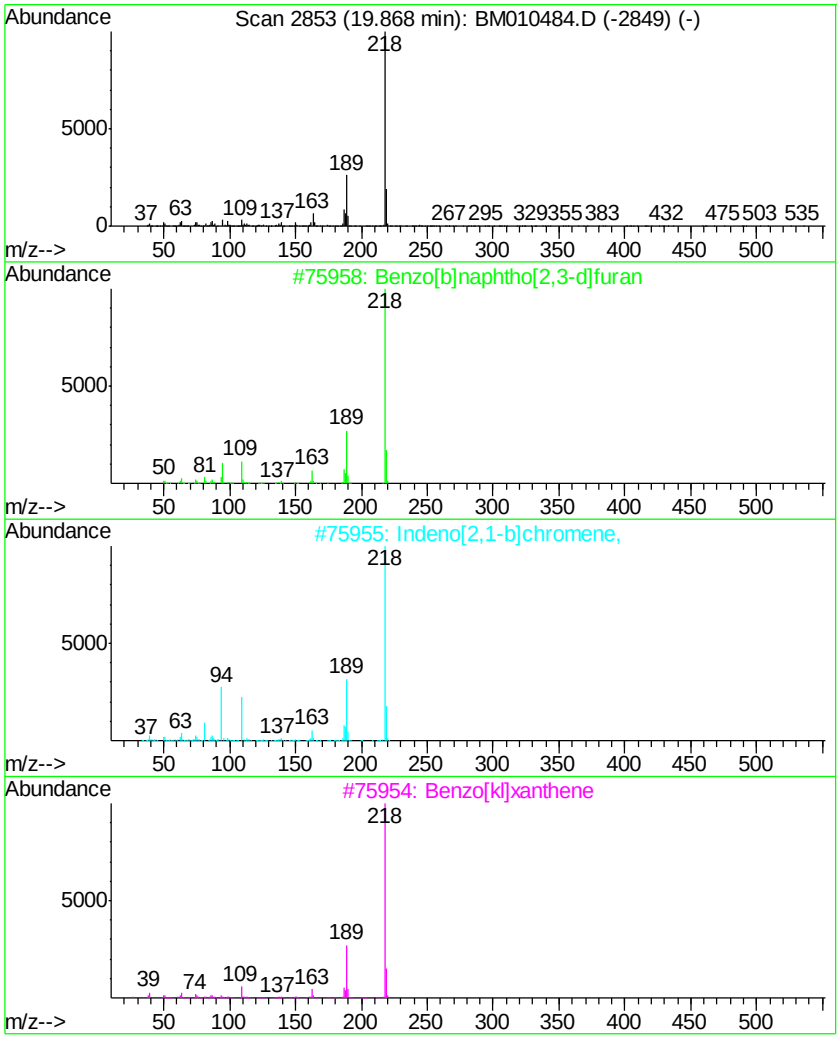
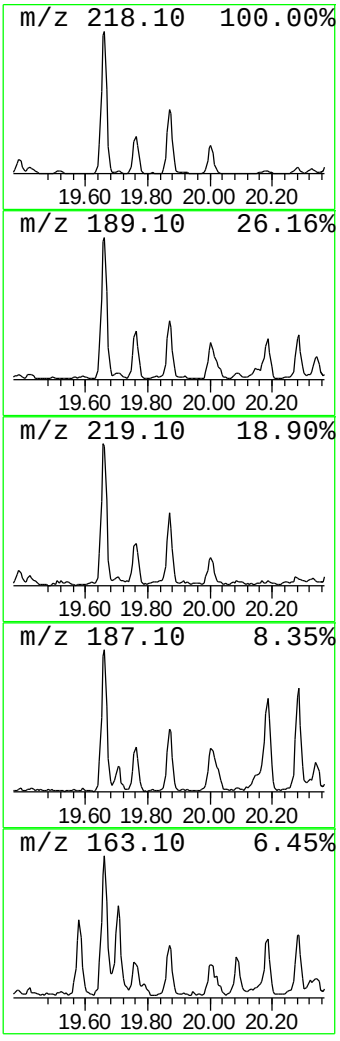
Peak Number 22 Benzo[b]naphtho[2,3-d]furan Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.16 ng/ul	1671050	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	97
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





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Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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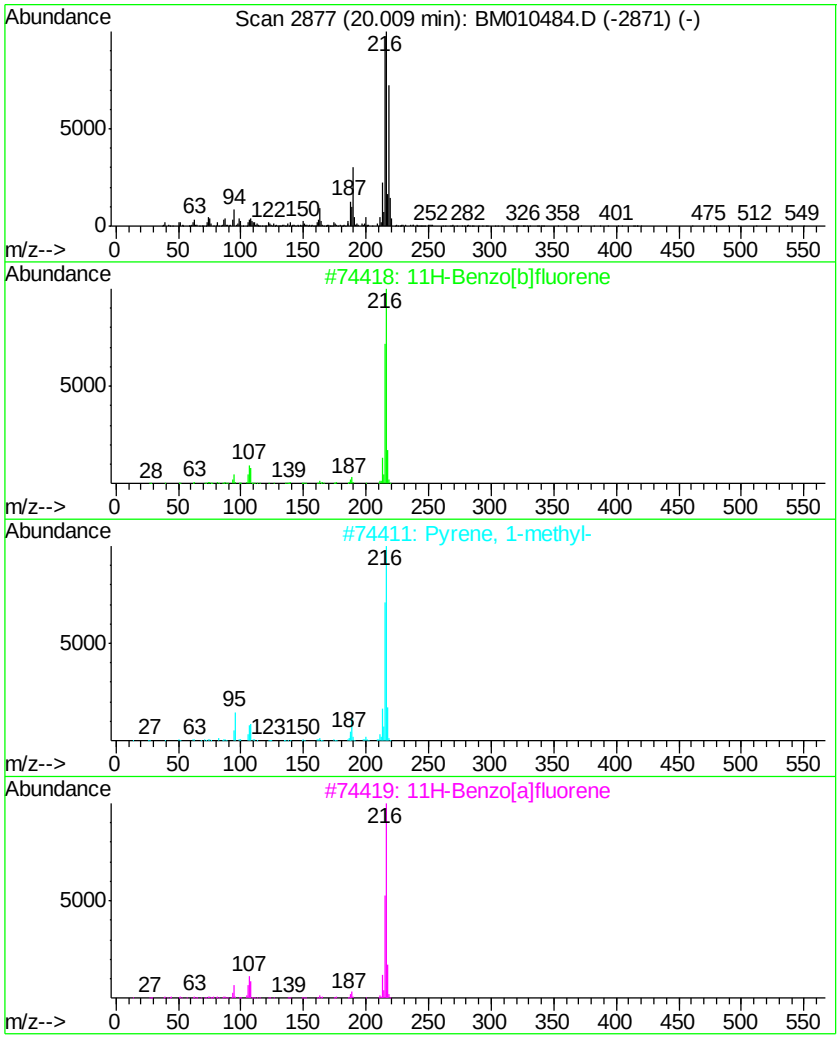
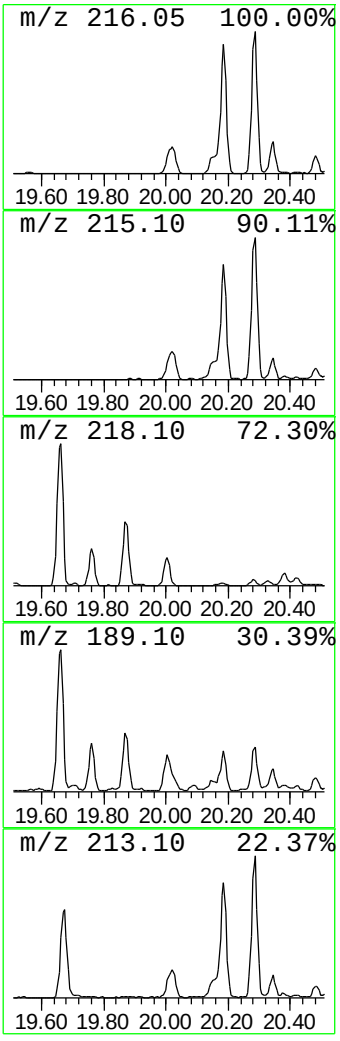
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	3.54 ng/ul	2734860	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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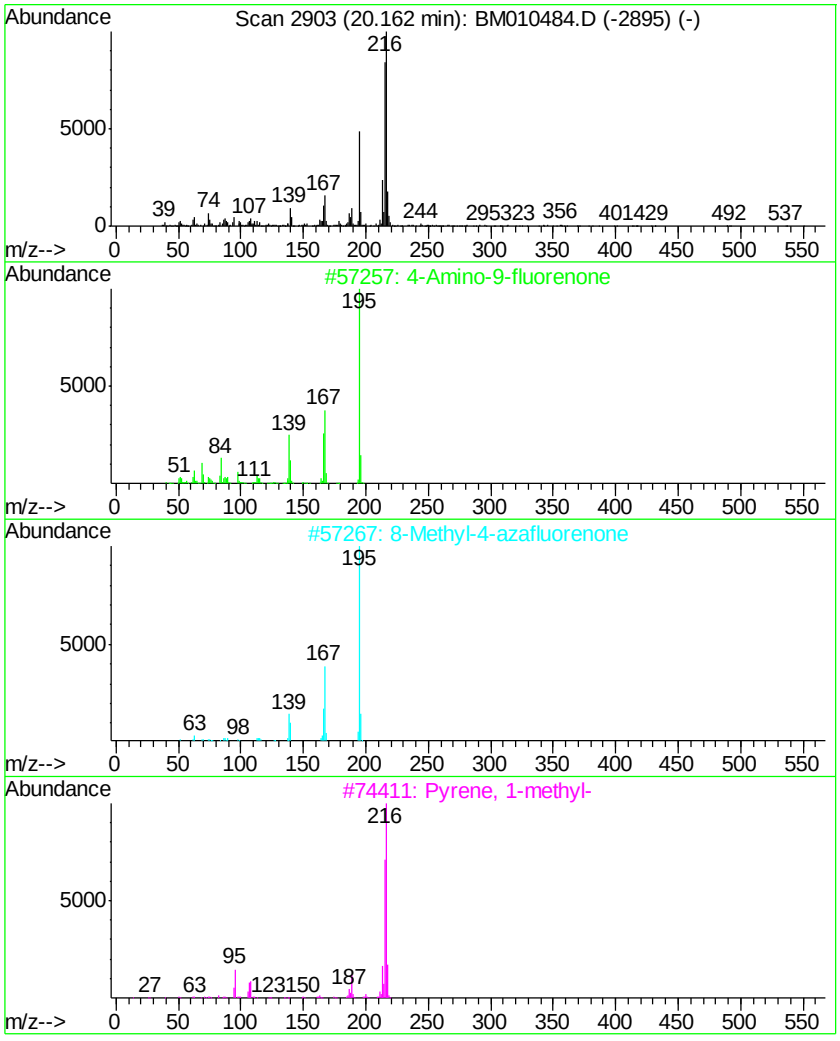
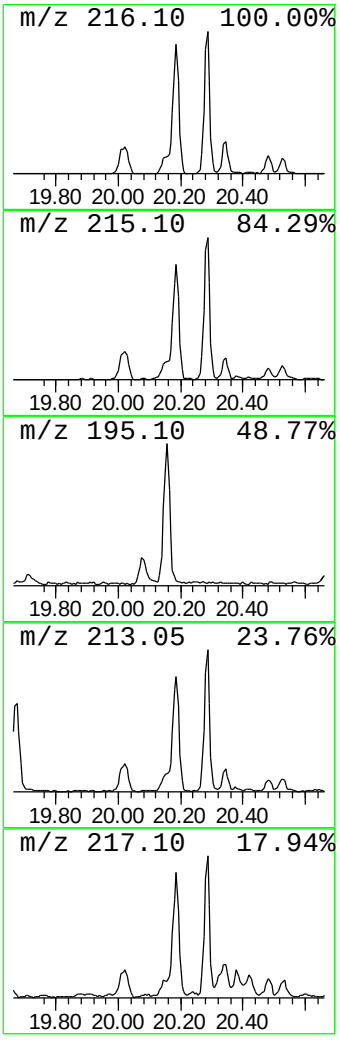
Peak Number 24 4-Amino-9-fluorenone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.40 ng/ul	1851570	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	83
2	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	80
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	56
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	55





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Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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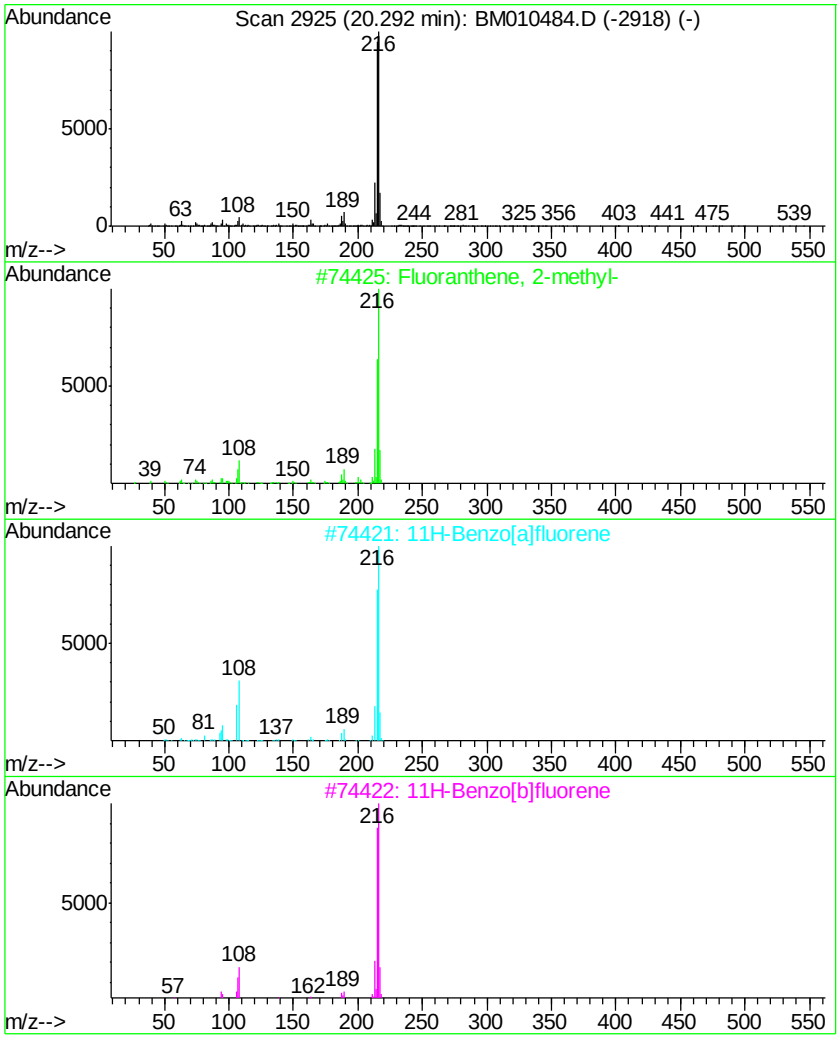
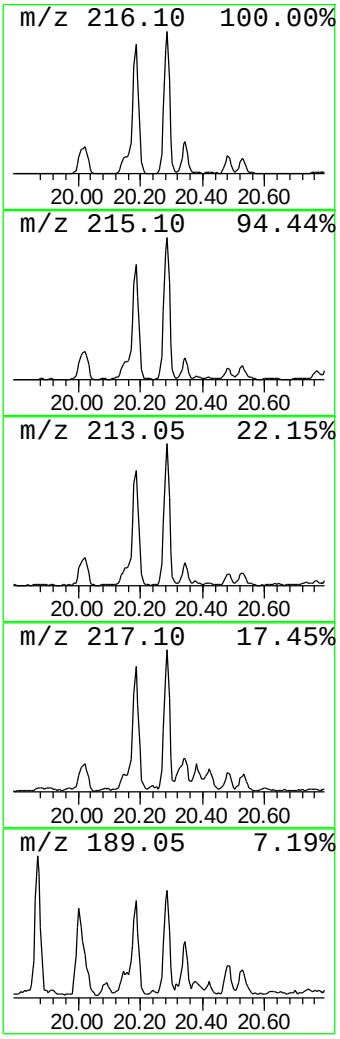
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	7.80 ng/ul	6017360	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
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[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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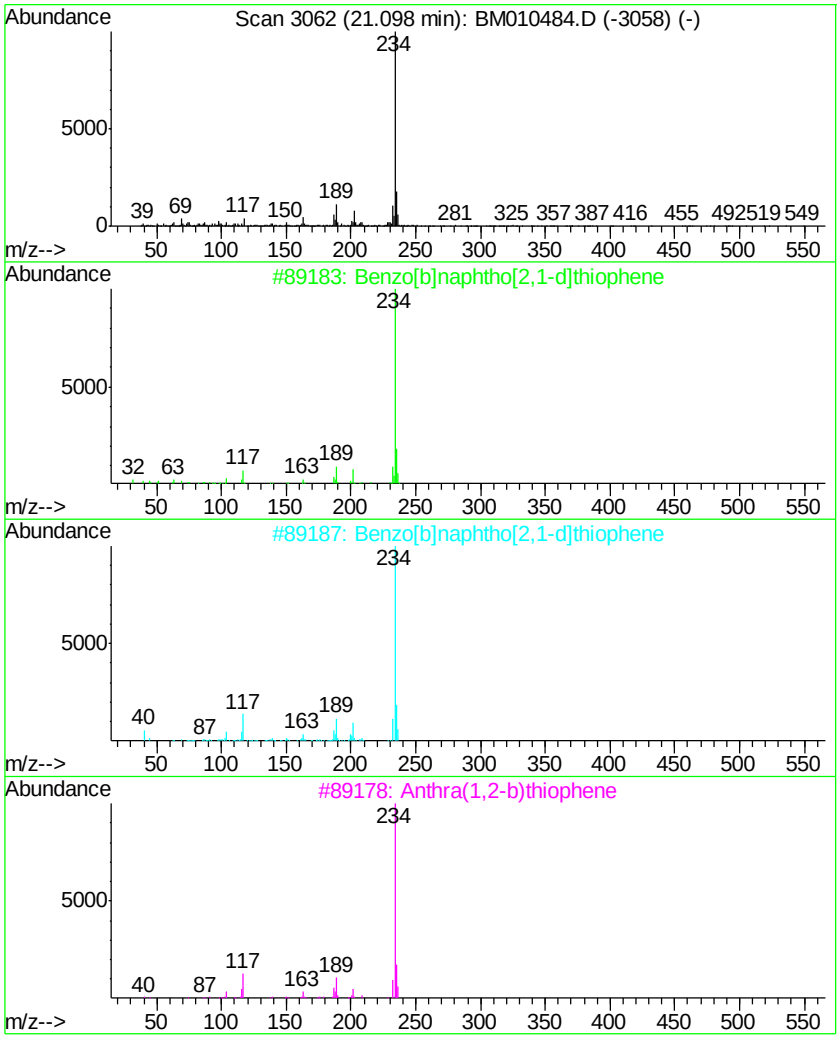
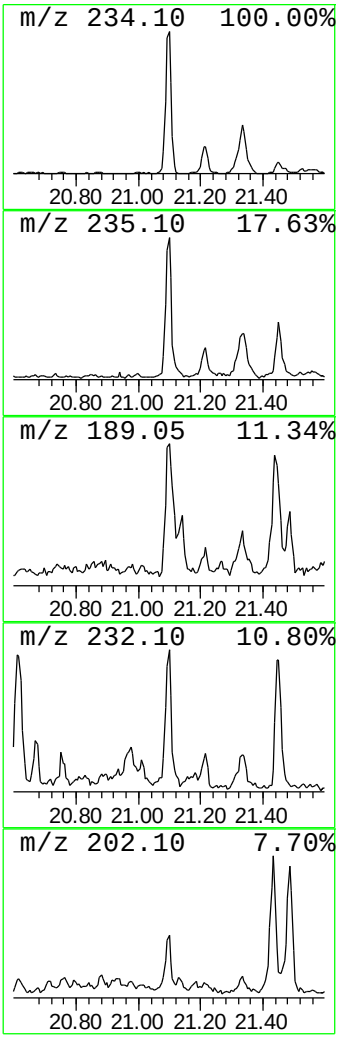
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.50 ng/ul	1928190	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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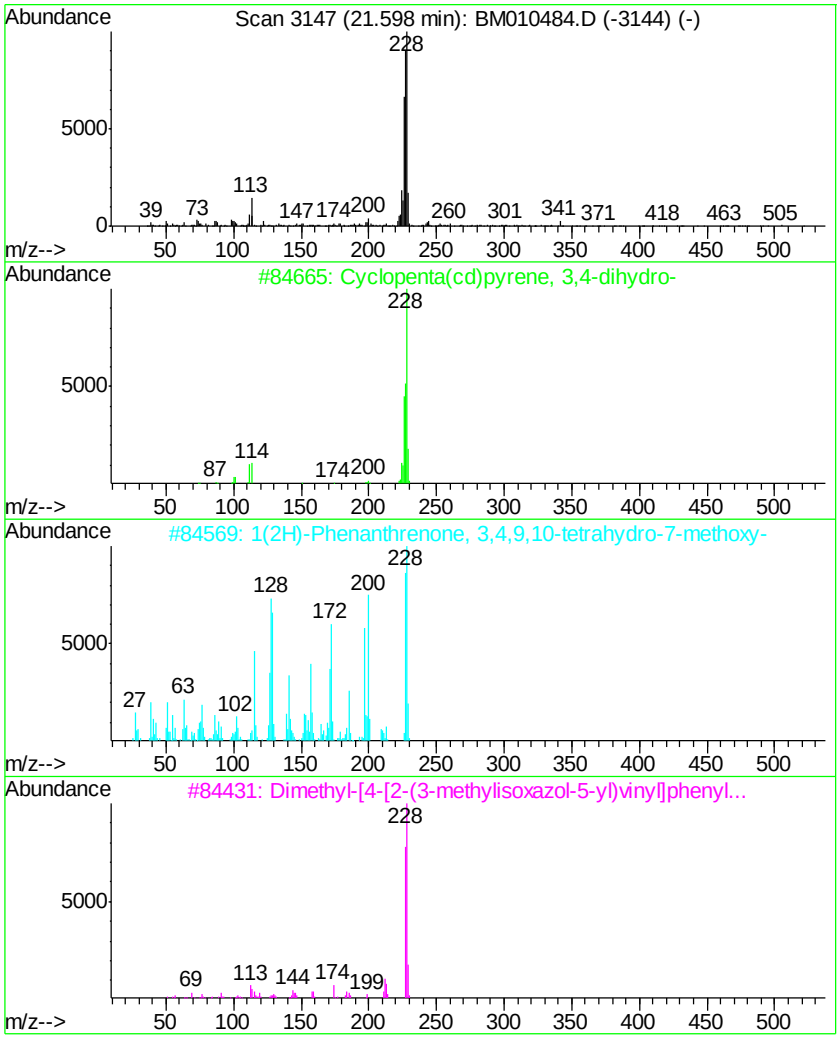
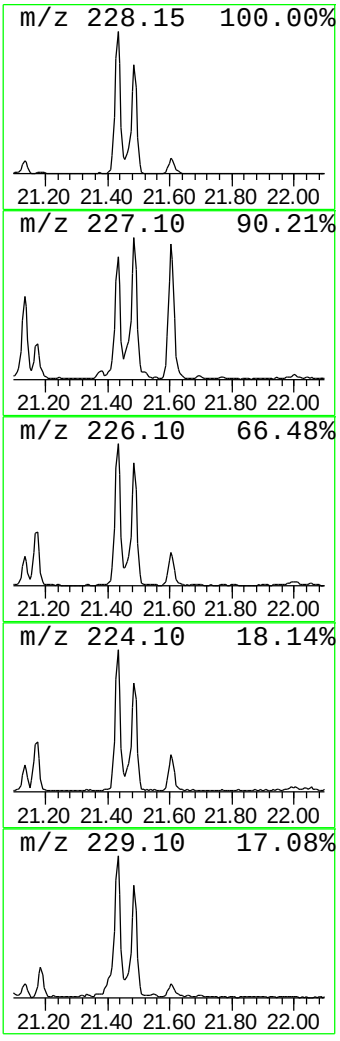
Peak Number 28 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	2.33 ng/ul	1795770	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010484.D
Acq On : 10 Jun 2017 14:22
Operator : SJ/MA
Sample : I3521-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C57

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.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...	12.57	132.9	ng/ul	11584100	2	10.70	1743430	20.0
Naphthalene, 2,7-...	13.69	32.4	ng/ul	3360510	3	14.53	2076730	20.0
Naphthalene, 1,3-...	13.85	58.6	ng/ul	6081570	3	14.53	2076730	20.0
Naphthalene, 1,6-...	13.90	28.1	ng/ul	2918220	3	14.53	2076730	20.0
Naphthalene, 2,3-...	14.08	20.3	ng/ul	2112540	3	14.53	2076730	20.0
Diphenylmethane	15.74	22.6	ng/ul	2350720	3	14.53	2076730	20.0
Dibenzofuran, 4-m...	15.87	36.9	ng/ul	3831500	3	14.53	2076730	20.0
2,4,6-Cycloheptat...	16.02	41.3	ng/ul	5495880	4	17.29	2658930	20.0
9H-Fluorene, 4-me...	16.57	29.4	ng/ul	3912050	4	17.29	2658930	20.0
1-Heptanone, 1-[1...	16.80	10.6	ng/ul	1405510	4	17.29	2658930	20.0
Benzo[b]benzofura...	17.00	12.4	ng/ul	1644850	4	17.29	2658930	20.0
Naphtho[1,2-b]thi...	17.10	43.8	ng/ul	5825140	4	17.29	2658930	20.0
Cyclobuta[1'',2''...	17.79	9.6	ng/ul	1271970	4	17.29	2658930	20.0
Phenanthrene, 1-m...	18.15	38.9	ng/ul	5171830	4	17.29	2658930	20.0
Anthracene, 2-met...	18.20	46.4	ng/ul	6170800	4	17.29	2658930	20.0
4H-Cyclopenta[def...	18.36	78.0	ng/ul	10375900	4	17.29	2658930	20.0
Naphthalene, 2-ph...	18.65	24.9	ng/ul	3317570	4	17.29	2658930	20.0
di-p-Tolylacetylene	19.06	11.7	ng/ul	1554250	4	17.29	2658930	20.0
Benzene, 1,1'-(2-...	19.58	2.1	ng/ul	1603810	5	21.45	15438900	20.0
Benzo[b]naphtho[2...	19.87	2.2	ng/ul	1671050	5	21.45	15438900	20.0
11H-Benzo[b]fluorene	20.01	3.5	ng/ul	2734860	5	21.45	15438900	20.0
4-Amino-9-fluorenone	20.16	2.4	ng/ul	1851570	5	21.45	15438900	20.0
Fluoranthene, 2-m...	20.29	7.8	ng/ul	6017360	5	21.45	15438900	20.0
Benzo[b]naphtho[2...	21.10	2.5	ng/ul	1928190	5	21.45	15438900	20.0
Cyclopenta(cd)pyr...	21.60	2.3	ng/ul	1795770	5	21.45	15438900	20.0