LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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	7.069	671	677	689	rVB	318198	527081	2.67%	0.407%
2	7.222	698	703	713	rBV2	214733	331695	1.68%	0.256%
3	7.416	730	736	744	rVB	375895	604849	3.06%	0.468%
4	7.881	808	815	823	rBV	465598	750631	3.80%	0.580%
5	8.604	932	938	945	rBV	378473	624876	3.17%	0.483%
6	9.063	1008	1016	1024	rBV	302398	538903	2.73%	0.417%
7	9.775	1131	1137	1147	rBV	298552	513927	2.60%	0.397%
8	10.304	1220	1227	1238	rBV	470795	826334	4.19%	0.639%
9	10.680	1284	1291	1295	rBV	510093	911989	4.62%	0.705%
10	10.733	1295	1300	1309	rVB	5689395	9133169	46.27%	7.061%
11	10.851	1312	1320	1328	rBV2	474989	884693	4.48%	0.684%
12	12.339	1565	1573	1584	rBV	3388613	5229019	26.49%	4.042%
13	12.557	1600	1610	1617	rVB	1540306	2429432	12.31%	1.878%
14	13.351	1737	1745	1752	rBV	837630	1224715	6.20%	0.947%
15	13.539	1771	1777	1780	rBV	253558	363074	1.84%	0.281%
16	13.668	1791	1799	1800	rBV	456487	600216	3.04%	0.464%
17	13.827	1820	1826	1831	rBV2	619923	1135561	5.75%	0.878%
18	13.880	1831	1835	1840	rVV	408874	621088	3.15%	0.480%
19	13.933	1840	1844	1849	rVB	868913	1155524	5.85%	0.893%
20	14.068	1860	1867	1870	rBV	271825	398554	2.02%	0.308%
21	14.215	1885	1892	1902	rBV2	903622	1591947	8.07%	1.231%
22	14.480	1931	1937	1940	rBV	375874	538650	2.73%	0.416%
23	14.521	1940	1944	1949	rVV2	781165	1184107	6.00%	0.915%
24	14.586	1949	1955	1961	rVB	3071259	4434103	22.46%	3.428%
25	14.763	1980	1985	1990	rBV	256610	374782	1.90%	0.290%
26	14.921	2004	2012	2017	rBV	2737674	4069202	20.62%	3.146%
27	14.974	2017	2021	2026	rVB3	151215	241077	1.22%	0.186%
28	15.121	2040	2046	2051	rBV	127134	217167	1.10%	0.168%
29	15.292	2068	2075	2079	rBV5	105310	223730	1.13%	0.173%
30	15.510	2108	2112	2117	rBV	1134374	1495700	7.58%	1.156%
31	15.568	2117	2122	2129	rVB	3954763	5347938	27.09%	4.134%
32	15.645	2129	2135	2139	rBV2	406280	670170	3.40%	0.518%
33	15.721	2145	2148	2154	rVB2	302114	425974	2.16%	0.329%
34	15.815	2160	2164	2167	rBV	149317	229360	1.16%	0.177%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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	15.851	2167	2170	2177	rVB	507366	743007	3.76%	0.574%
36	15.998	2189	2195	2203	rBV	541711	1085821	5.50%	0.839%
37	16.562	2280	2291	2296	rBV2	417409	789014	4.00%	0.610%
38	16.786	2321	2329	2332	rBV3	157699	315169	1.60%	0.244%
39	16.980	2358	2362	2370	rVB2	160467	312101	1.58%	0.241%
40	17.086	2375	2380	2391	rVB	793925	1225677	6.21%	0.948%
41	17.268	2405	2411	2414	rBV	1160288	1691958	8.57%	1.308%
42	17.315	2414	2419	2424	rVV	15691318	19738087	100.00%	15.259%
43	17.368	2424	2428	2431	rVV	1465335	2111639	10.70%	1.632%
44	17.404	2431	2434	2441	rVB	1116016	1530962	7.76%	1.184%
45	17.686	2474	2482	2492	rVB	686297	1135522	5.75%	0.878%
46	17.780	2493	2498	2506	rVV	161838	272100	1.38%	0.210%
47	17.845	2506	2509	2519	rVB6	123781	244745	1.24%	0.189%
48	18.133	2550	2558	2562	rBV	760139	1155460	5.85%	0.893%
49	18.186	2562	2567	2574	rVV	922676	1351093	6.85%	1.045%
50	18.268	2576	2581	2586	rVV	409597	573569	2.91%	0.443%
51	18.339	2586	2593	2596	rVV2	1345054	2095504	10.62%	1.620%
52	18.368	2596	2598	2604	rVB	386315	445112	2.26%	0.344%
53	18.639	2639	2644	2649	rVB	552868	739372	3.75%	0.572%
54	19.039	2707	2712	2717	rBV2	202002	356628	1.81%	0.276%
55	19.321	2754	2760	2766	rBV	8343421	10349698	52.44%	8.001%
56	19.527	2789	2795	2798	rBV4	243994	354946	1.80%	0.274%
57	19.568	2798	2802	2810	rVB	208780	385836	1.95%	0.298%
58	19.656	2810	2817	2819	rBV3	2815115	4439148	22.49%	3.432%
59	19.686	2819	2822	2829	rVV	4716770	6238040	31.60%	4.823%
60	19.745	2829	2832	2837	rVB	253958	353564	1.79%	0.273%
61	19.856	2847	2851	2856	rVB	325991	436127	2.21%	0.337%
62	19.992	2870	2874	2882	rVB3	289684	653658	3.31%	0.505%
63	20.074	2884	2888	2892	rVV	158663	230689	1.17%	0.178%
64	20.174	2894	2905	2909	rVB	885860	1540937	7.81%	1.191%
65	20.274	2917	2922	2926	rBV	959180	1304905	6.61%	1.009%
66	20.327	2926	2931	2935	rVB2	239228	429733	2.18%	0.332%
67	20.515	2960	2963	2969	rVV2	148069	235316	1.19%	0.182%
68	21.086	3056	3060	3063	rBV2	467644	629666	3.19%	0.487%
69	21.121	3063	3066	3070	rVV	253593	349811	1.77%	0.270%
70	21.162	3070	3073	3077	rVV2	148666	198883	1.01%	0.154%
71	21.433	3112	3119	3123	rBV2	2654530	5406995	27.39%	4.180%

LSC Area Percent Report

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Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

72	21.474	3123	3126	3130	rVB	1404156	1627123	8.24%	1.258%
73	21.591	3143	3146	3152	rVB2	302203	359493	1.82%	0.278%
74	23.056	3391	3395	3400	rBV	424094	910252	4.61%	0.704%
75	23.615	3485	3490	3496	rBV2	1487517	2728672	13.82%	2.110%
76	23.768	3510	3516	3523	rBV	1264560	2426143	12.29%	1.876%

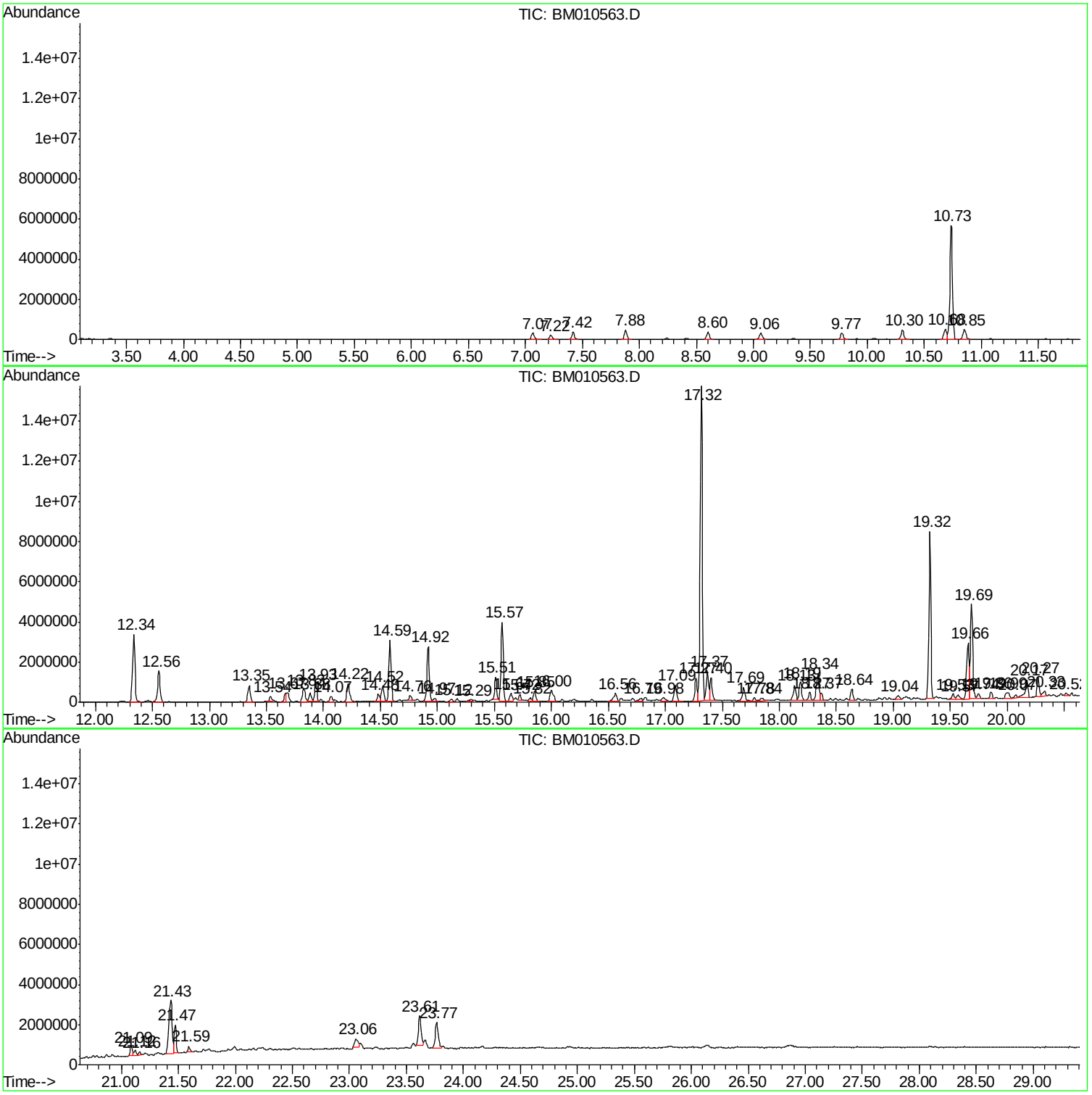
Sum of corrected areas: 129351412

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C58ME

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\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
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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

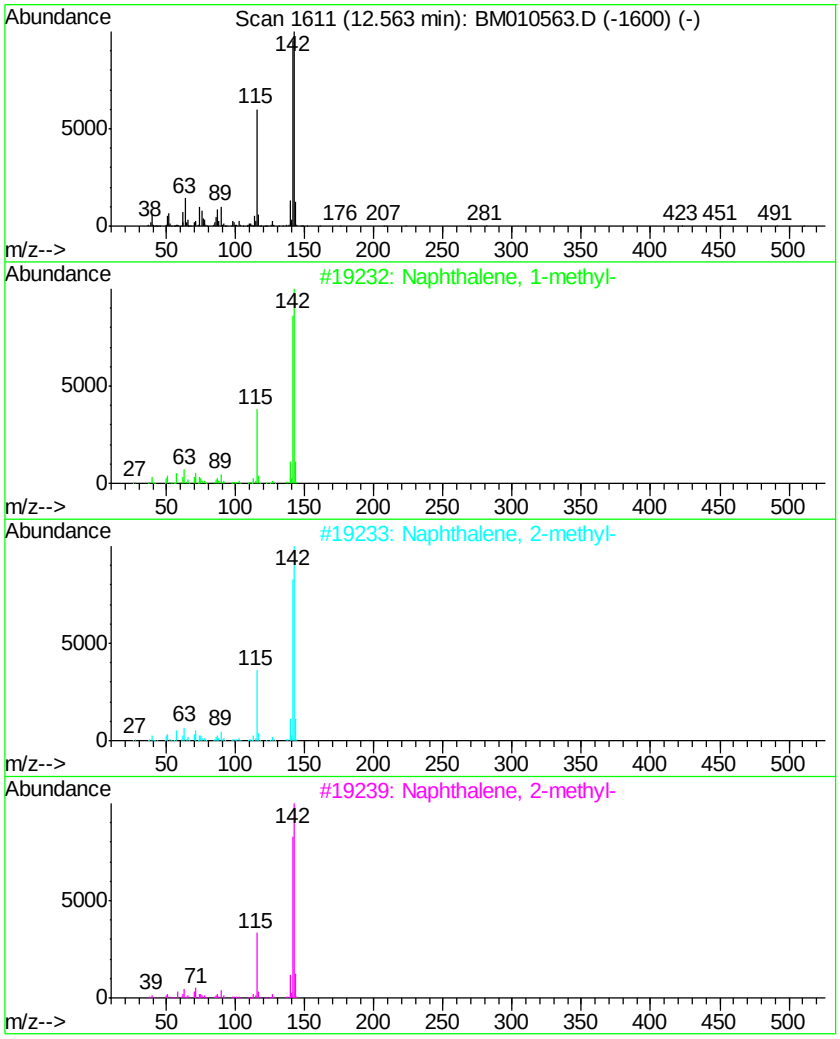
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

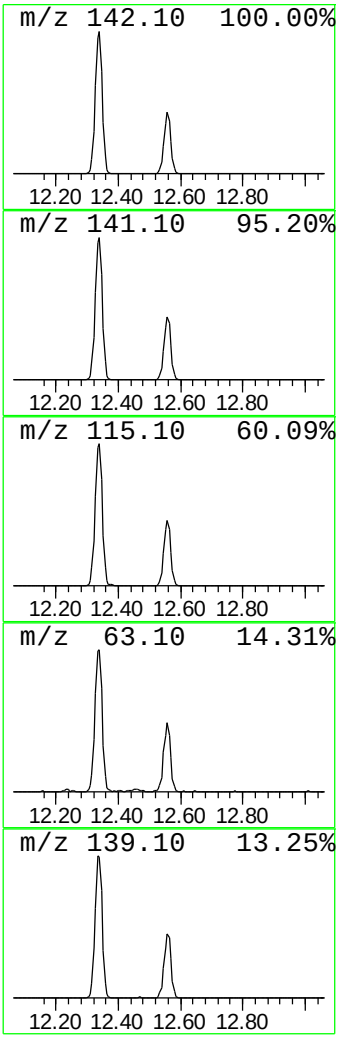
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	53.28 ng/ul	2429430	Naphthalene-d8	10.68

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	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

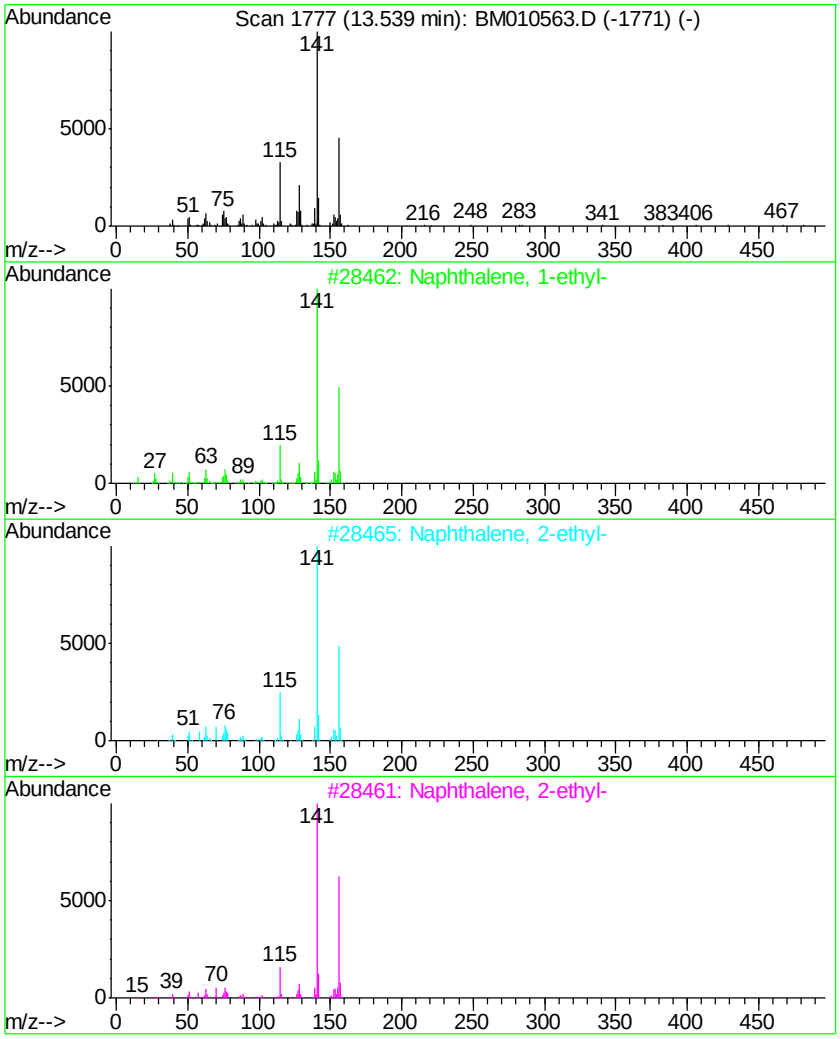
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

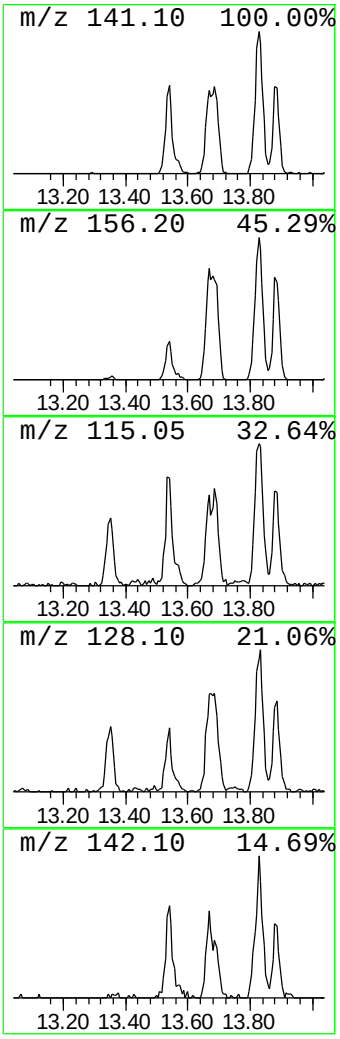
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	6.13 ng/ul	363074	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	87
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	87
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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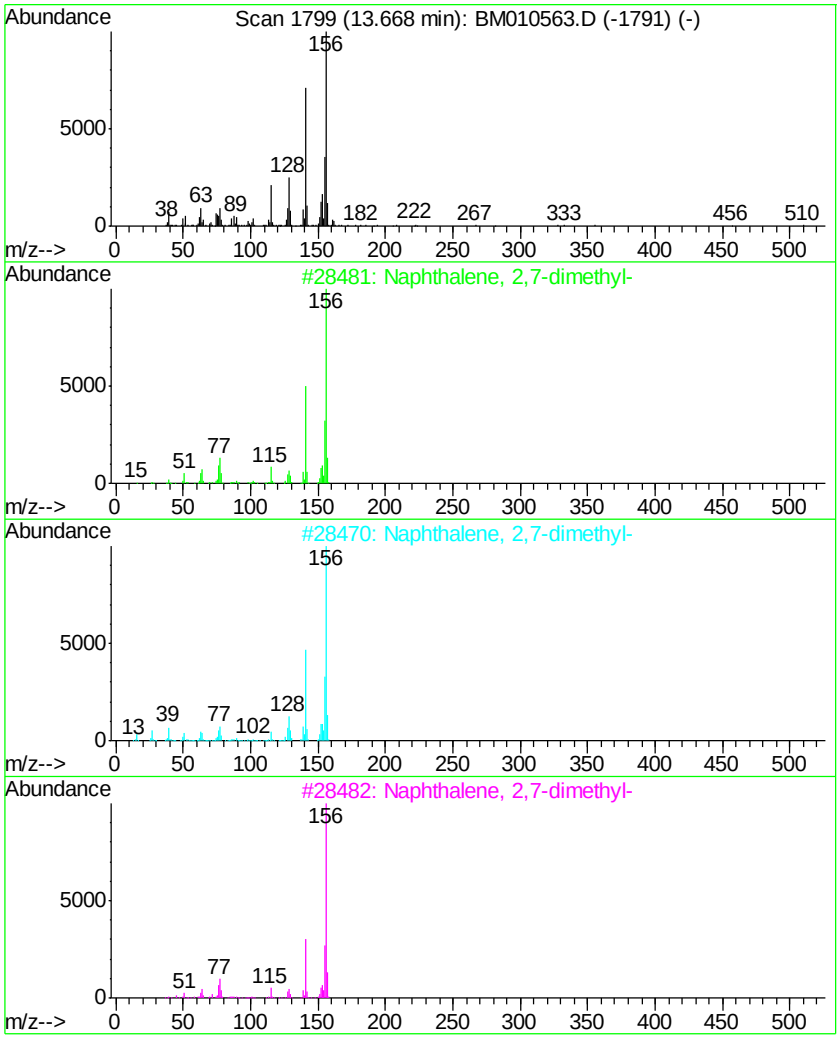
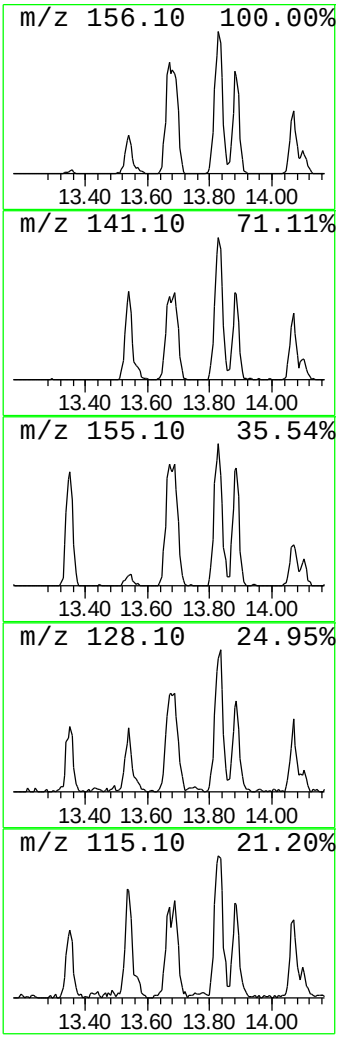
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	10.14 ng/ul	600216	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

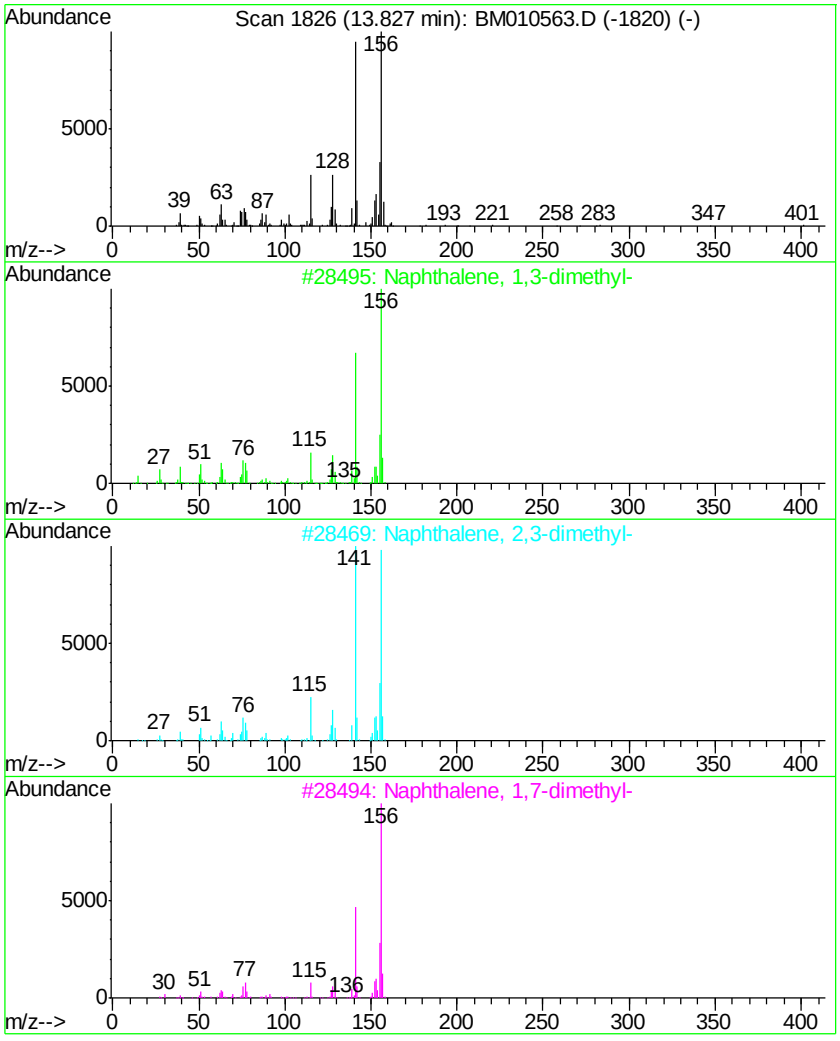
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

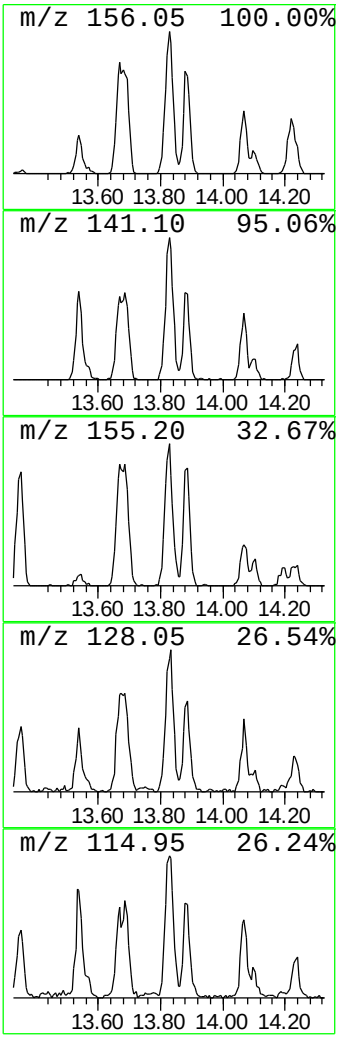
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	19.18 ng/ul	1135560	Acenaphthene-d10	14.52

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	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

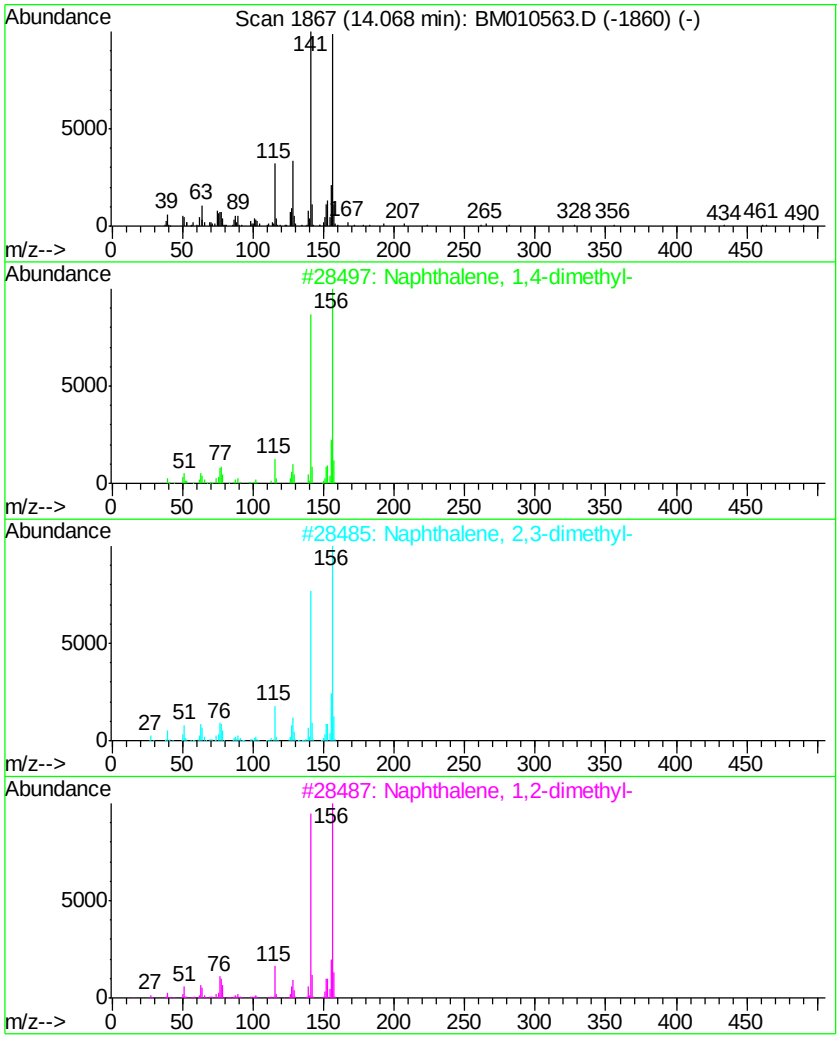
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

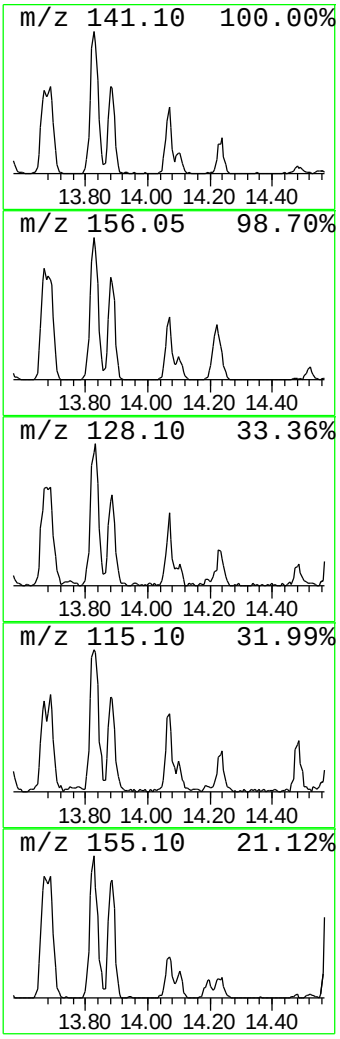
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	6.73 ng/ul	398554	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

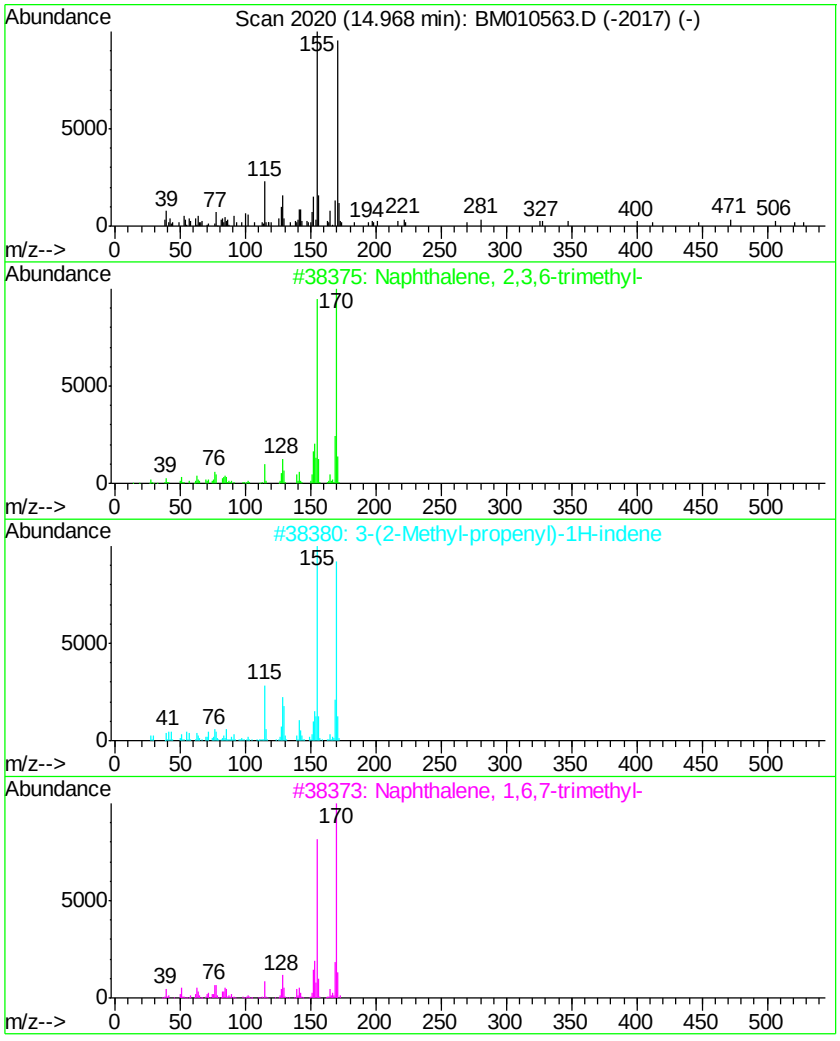
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

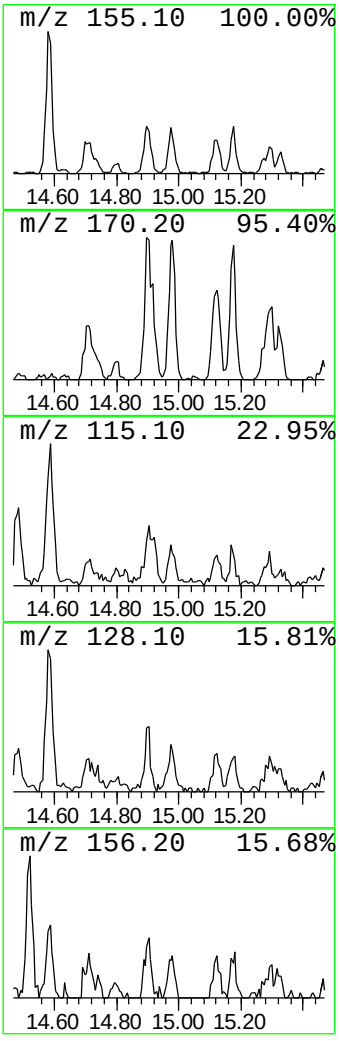
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.07 ng/ul	241077	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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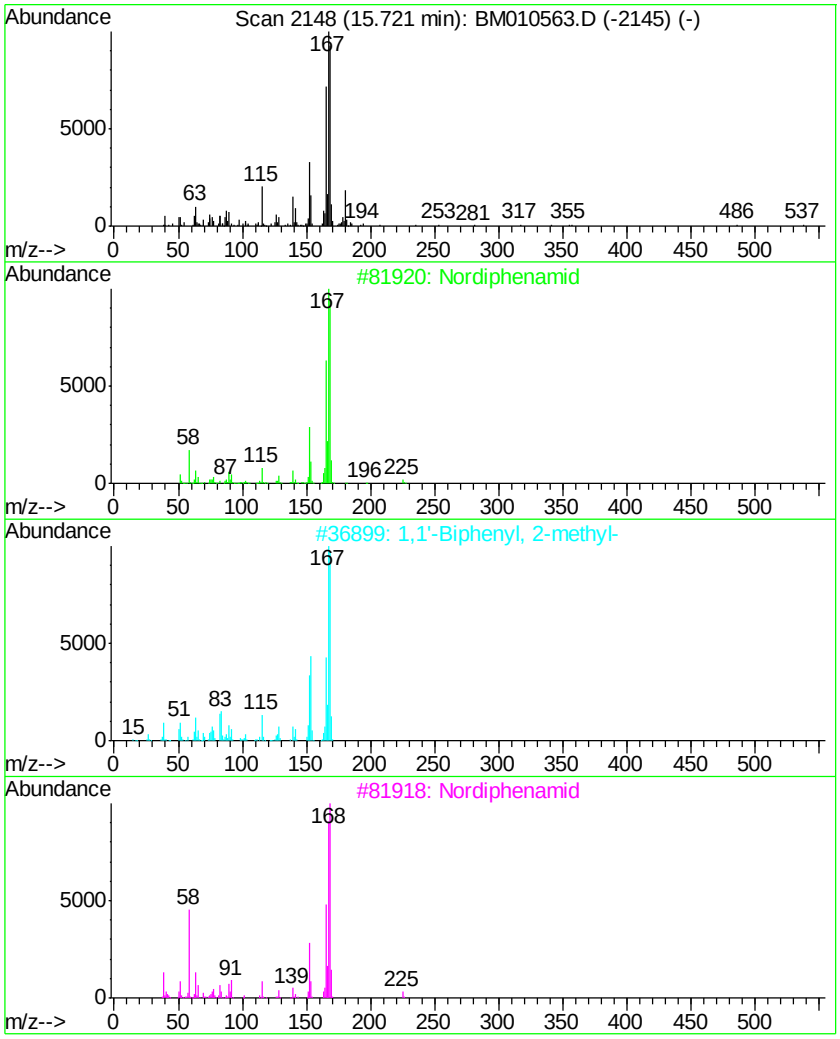
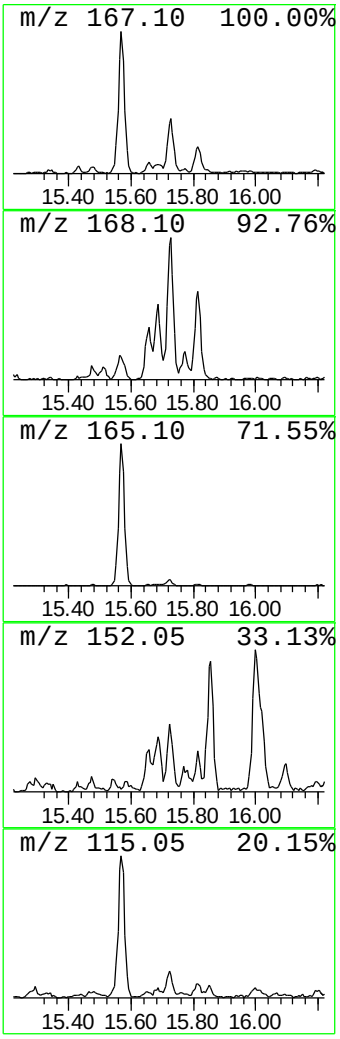
Peak Number 10 Nordiphenamid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	7.19 ng/ul	425974	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3	Nordiphenamid	225	C15H15NO	000954-21-2	72
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	70





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Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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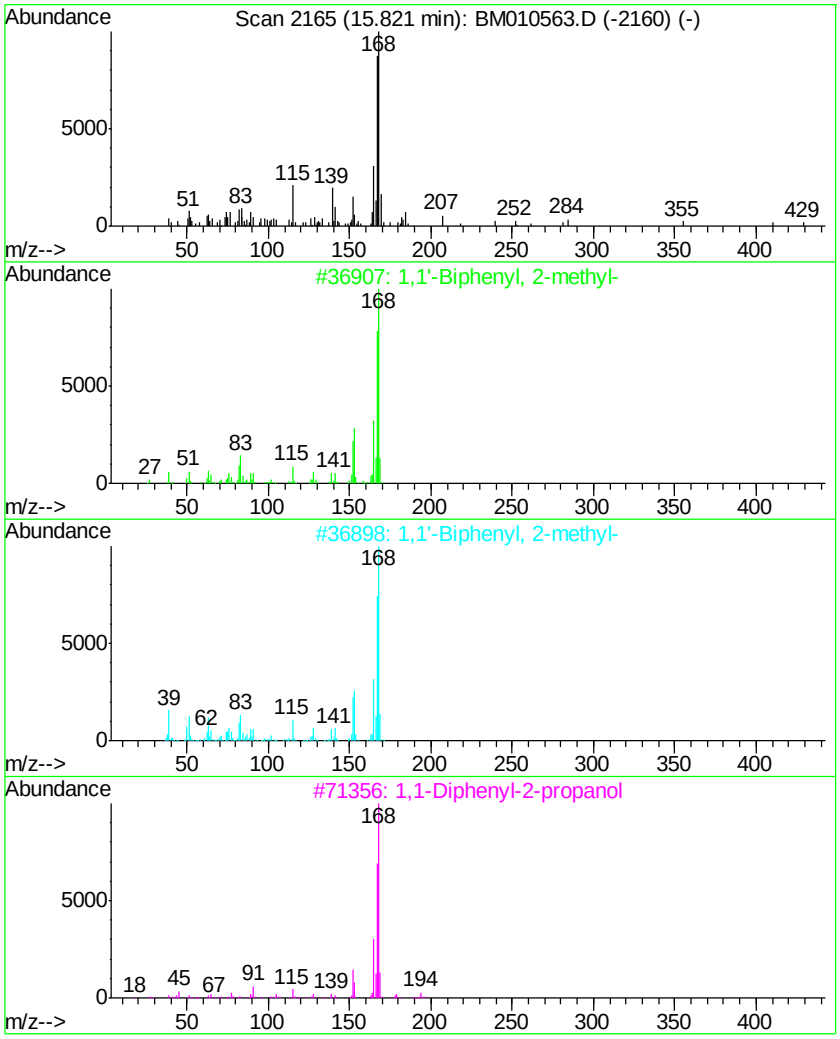
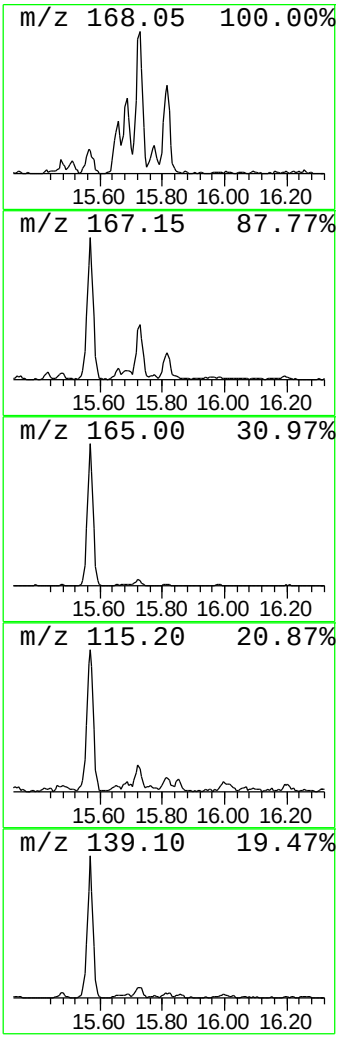
Peak Number 11 1,1'-Biphenyl, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	3.87 ng/ul	229360	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	86
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83





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Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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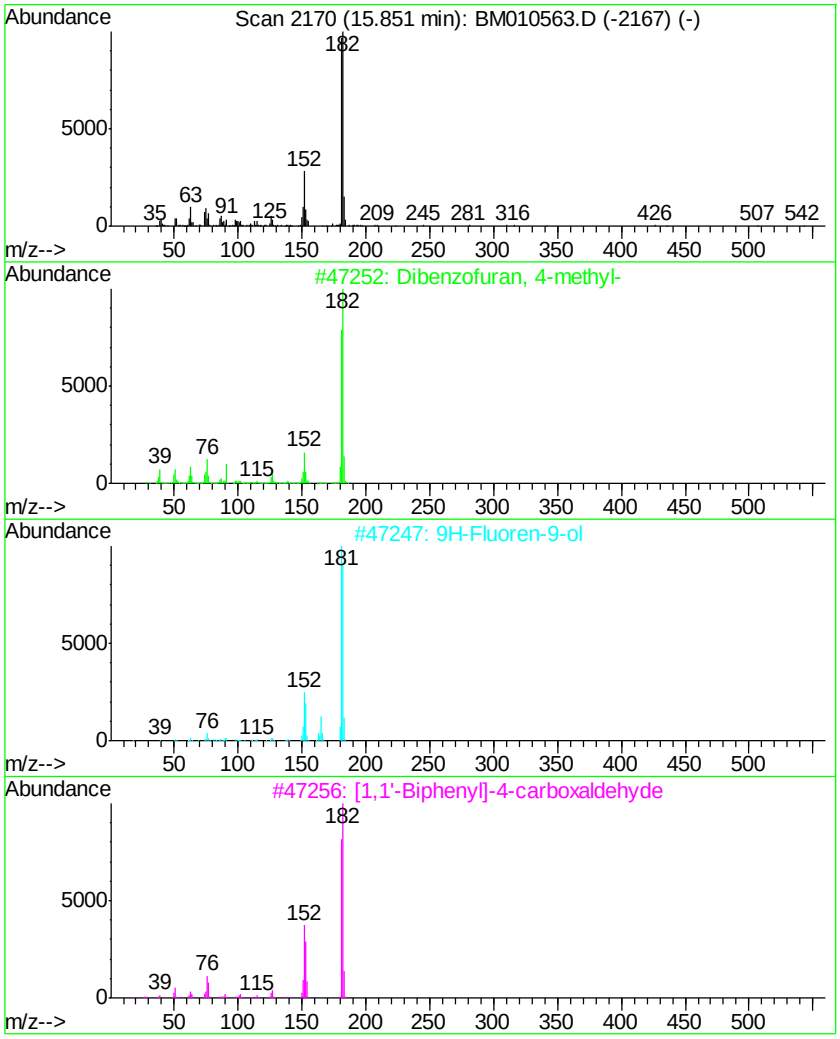
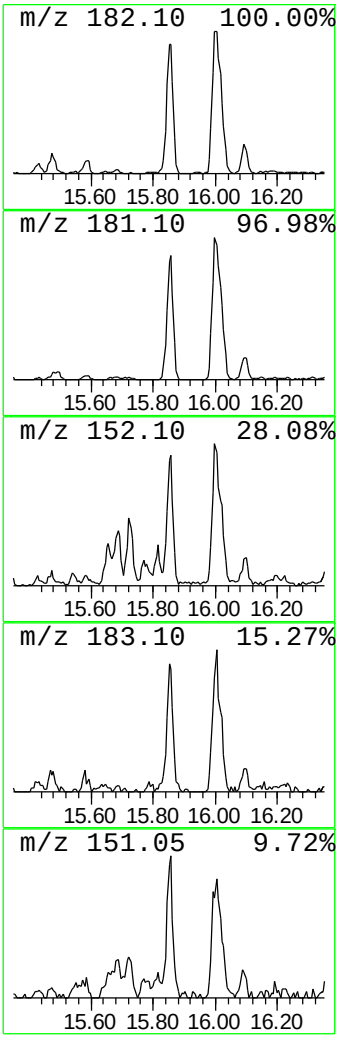
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	12.55 ng/ul	743007	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53
5	9H-Xanthene	182	C13H10O	000092-83-1	53





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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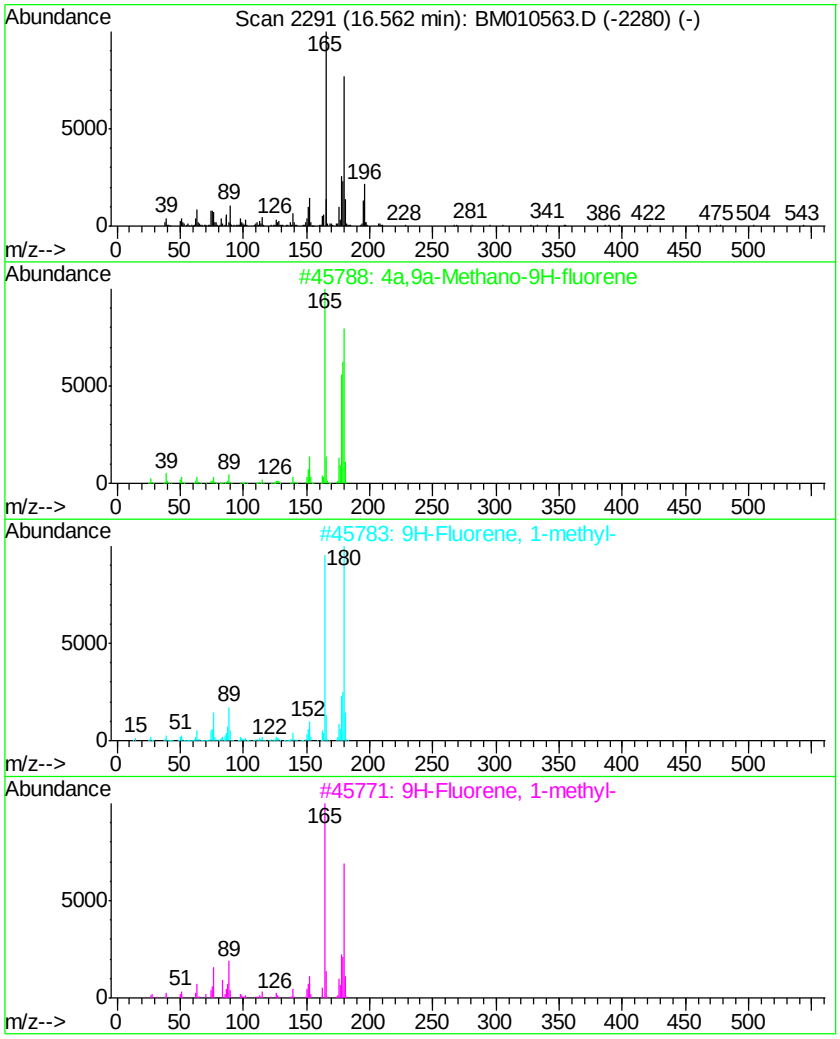
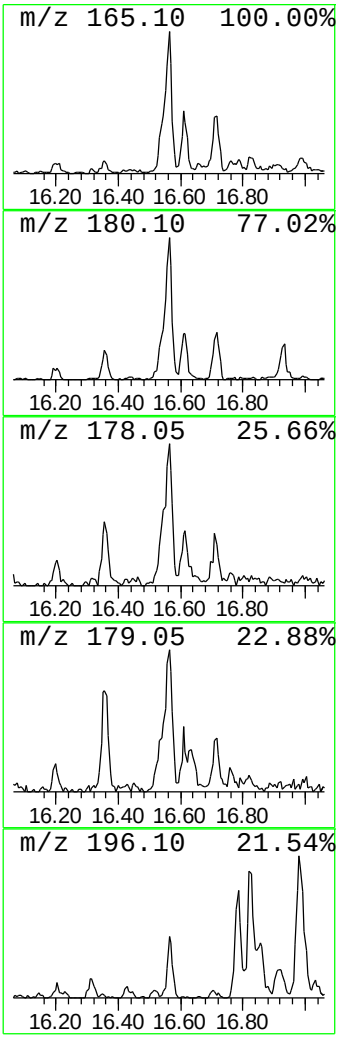
Peak Number 14 4a,9a-Methano-9H-fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	9.33 ng/ul	789014	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	91
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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Misc :
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Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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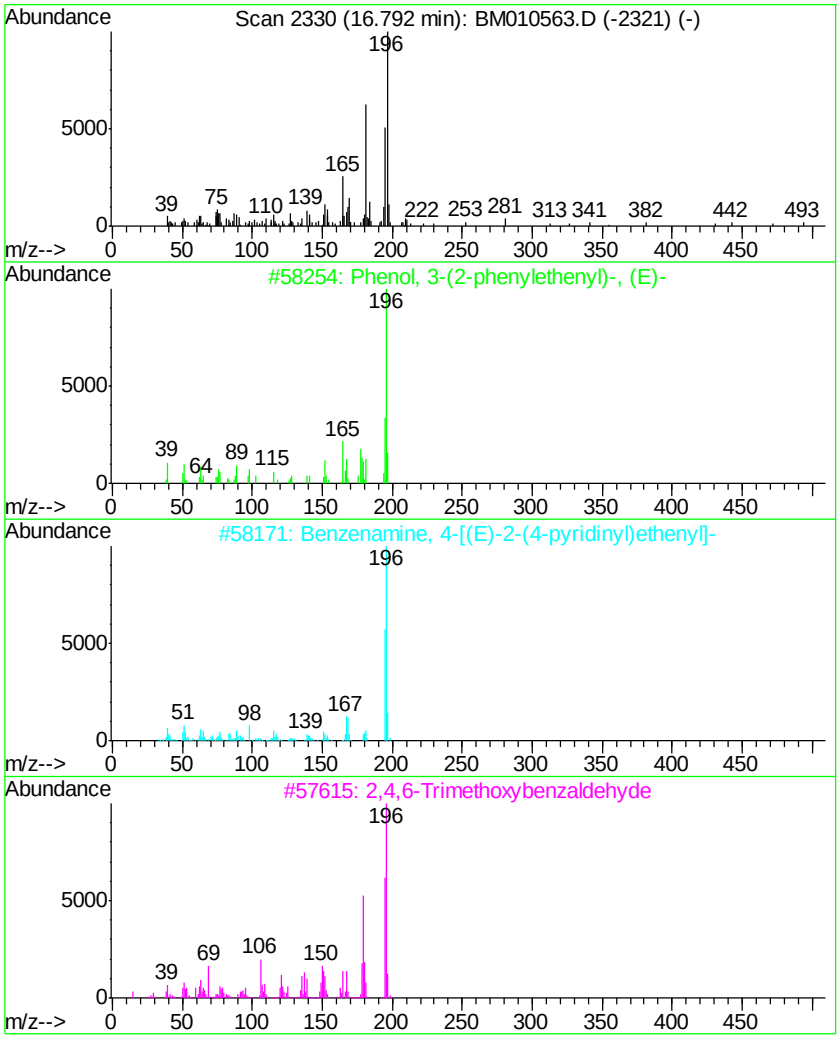
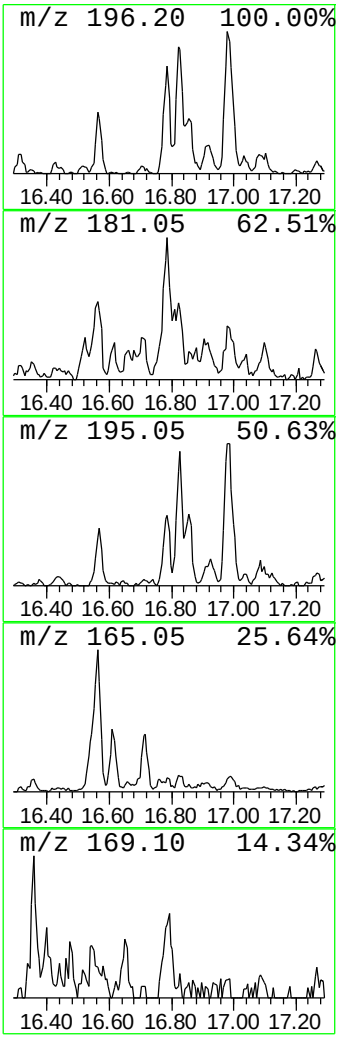
Peak Number 15 Phenol, 3-(2-phenylethenyl)... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.73 ng/ul	315169	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
2	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	58
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	52
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	52





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Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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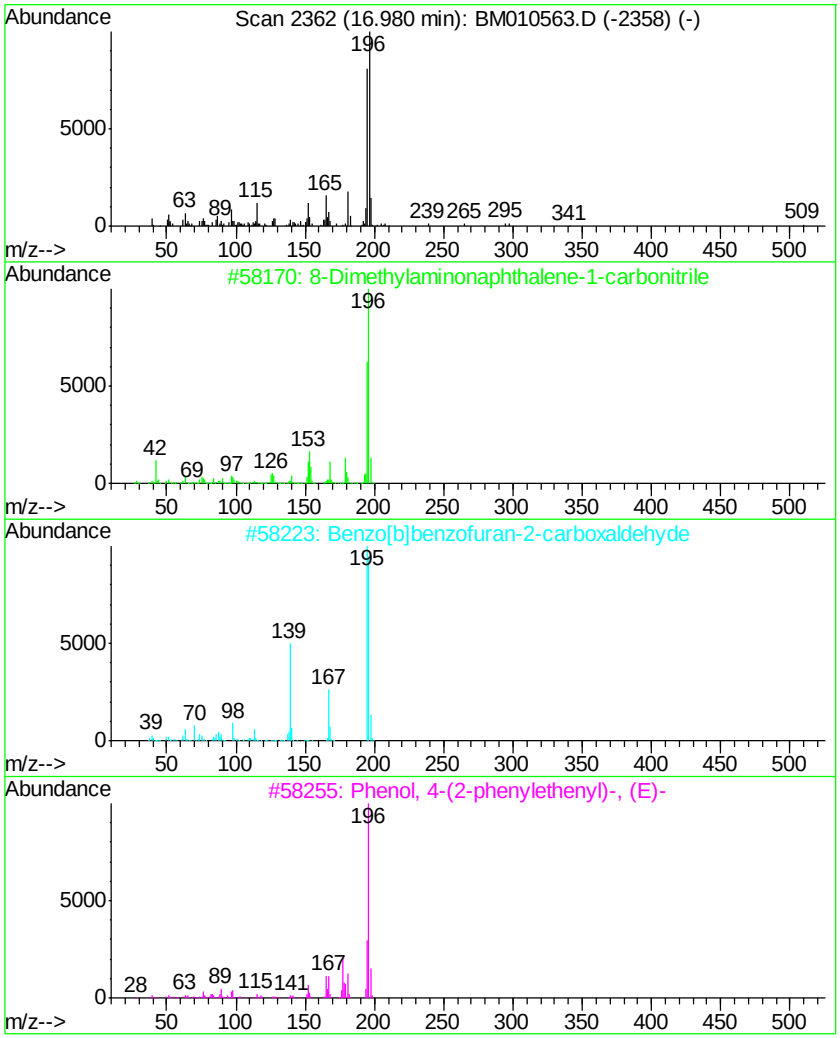
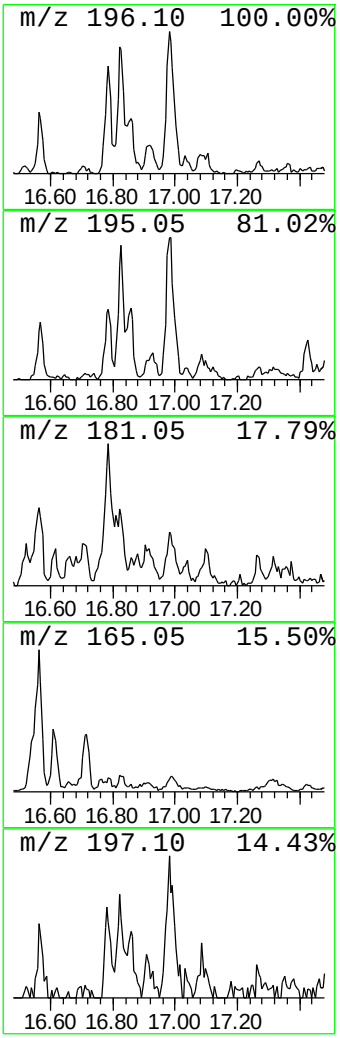
Peak Number 16 8-Dimethylaminonaphthalene-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	3.69 ng/ul	312101	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





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Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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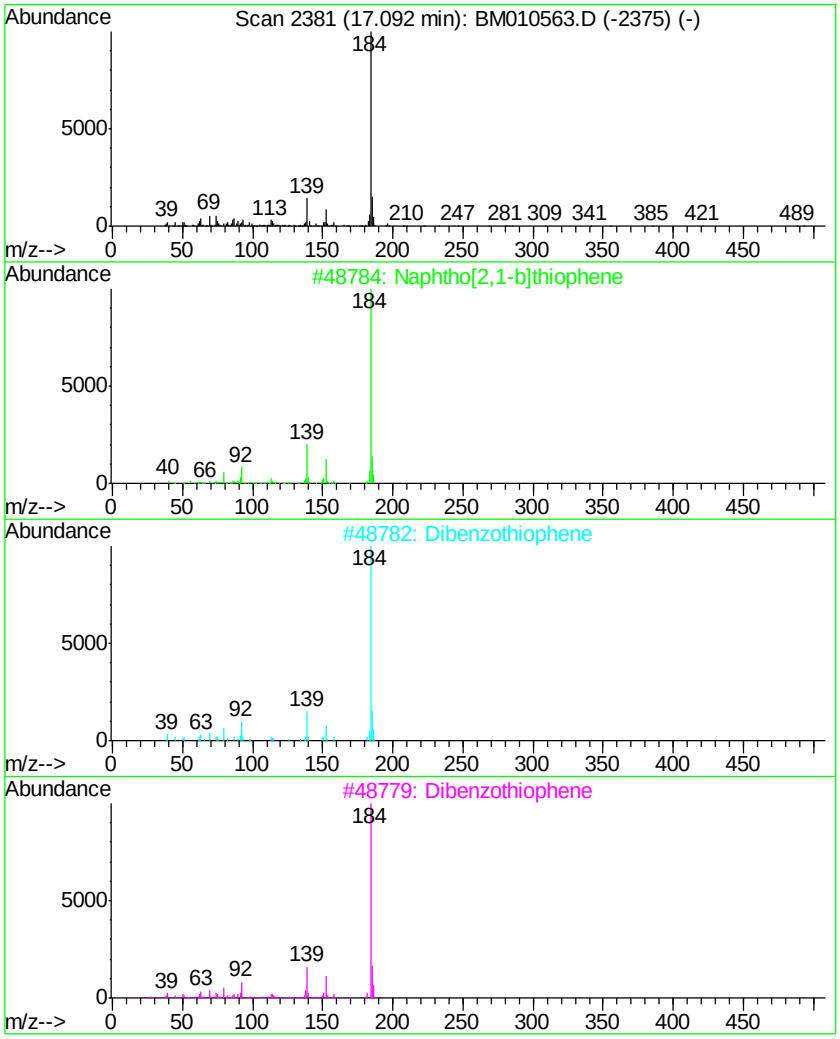
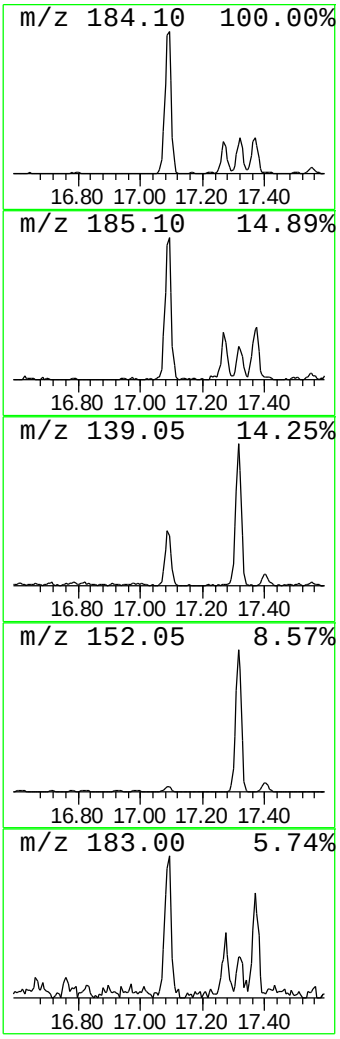
Peak Number 17 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	14.49 ng/ul	1225680	Phenanthrene-d10	17.27

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	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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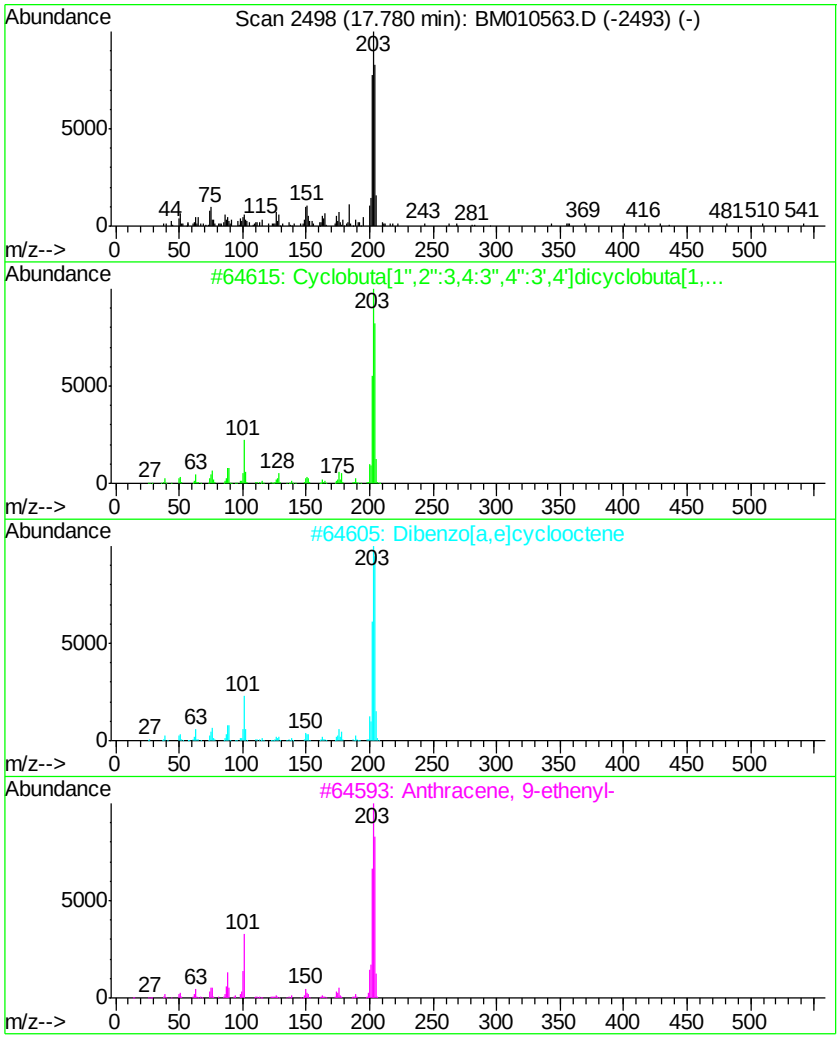
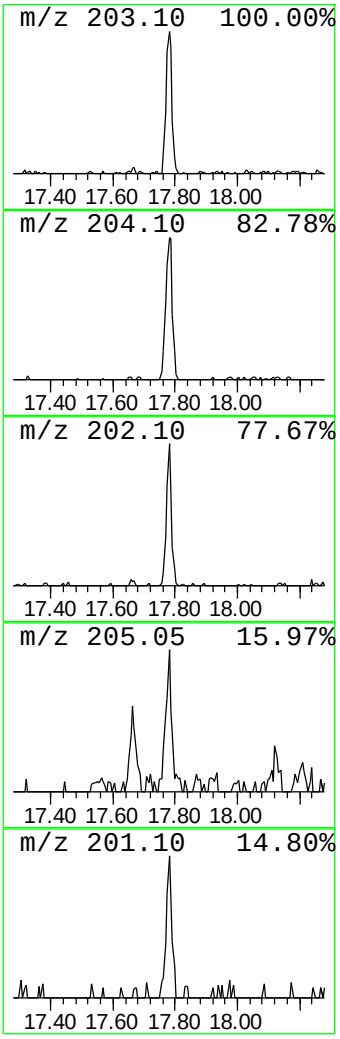
Peak Number 18 Cyclobuta[1'',2'':3,4:3'',4... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	3.22 ng/ul	272100	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	60
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	53
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	53
4	Naphthalene, 1,8-di-1-propynyl-	204	C16H12	022360-77-6	53
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	49





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Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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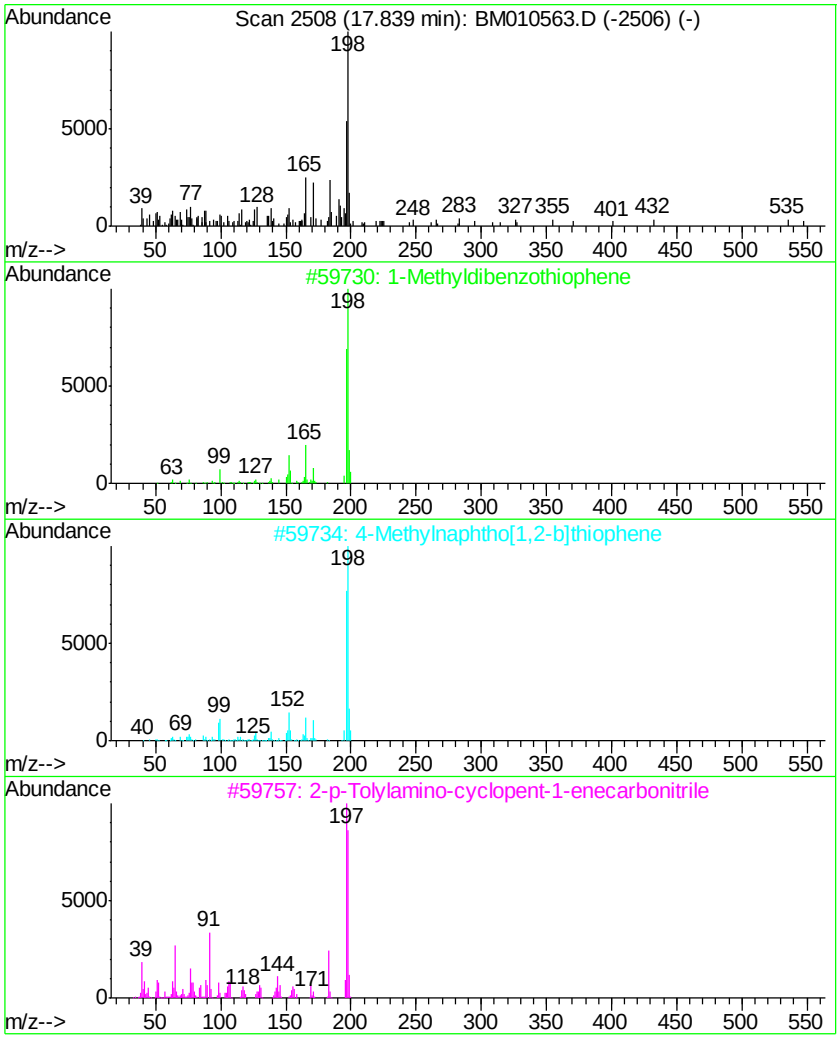
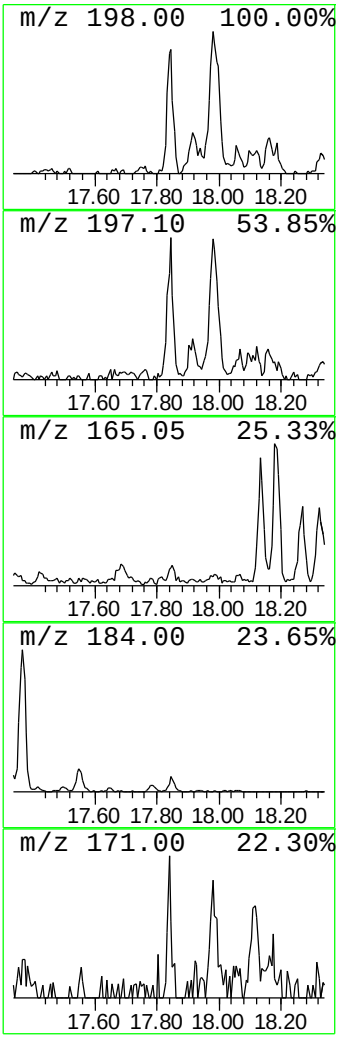
Peak Number 19 1-Methyldibenzothiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.89 ng/ul	244745	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	52
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	49
3	2-p-Tolylamino-cyclopent-1-eneca...	198	C13H14N2	1000300-56-0	47
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	47
5	4-Phenoxybenzaldehyde	198	C13H10O2	000067-36-7	46





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Quant Title : SVOA CALIBRATION

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

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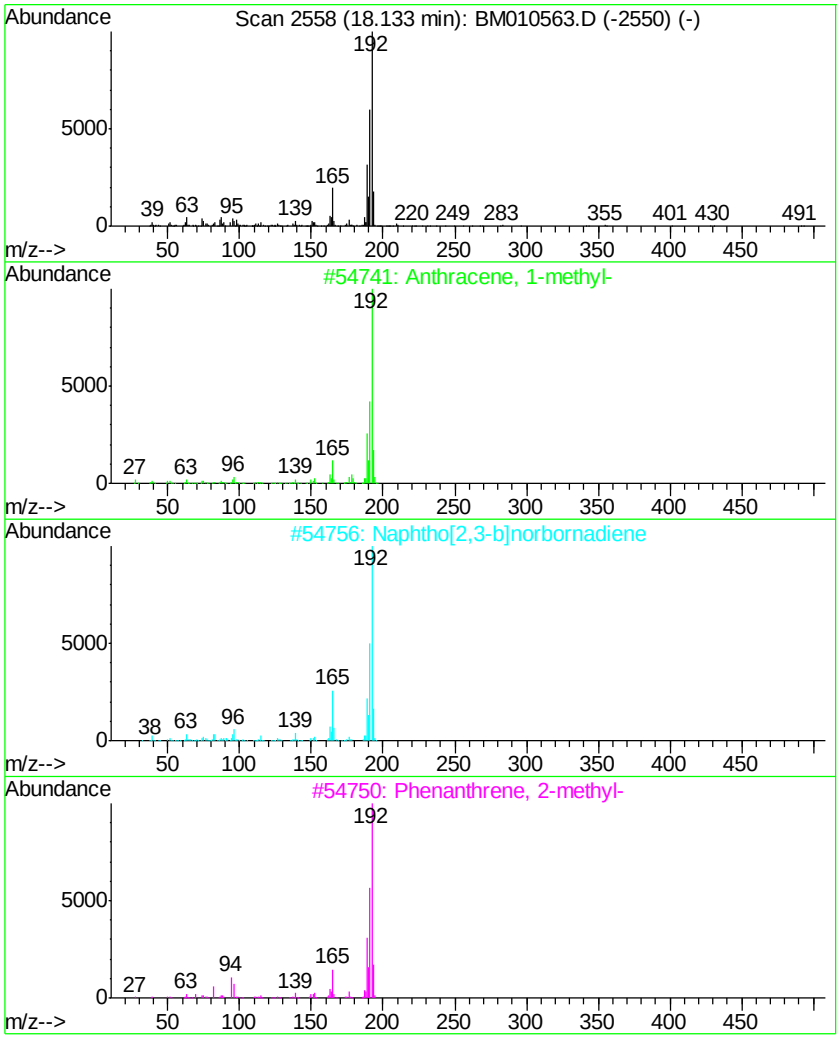
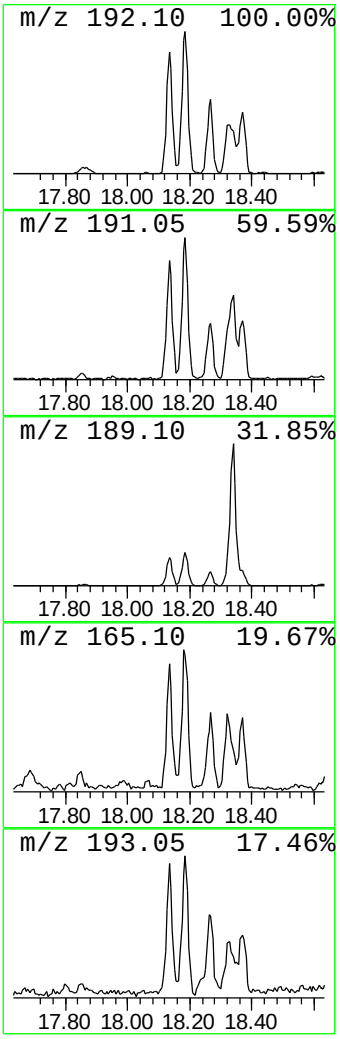
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	13.66 ng/ul	1155460	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Misc :
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Instrument : BNA_M
ClientSampleId : F5C58ME

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Quant Title : SVOA CALIBRATION

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

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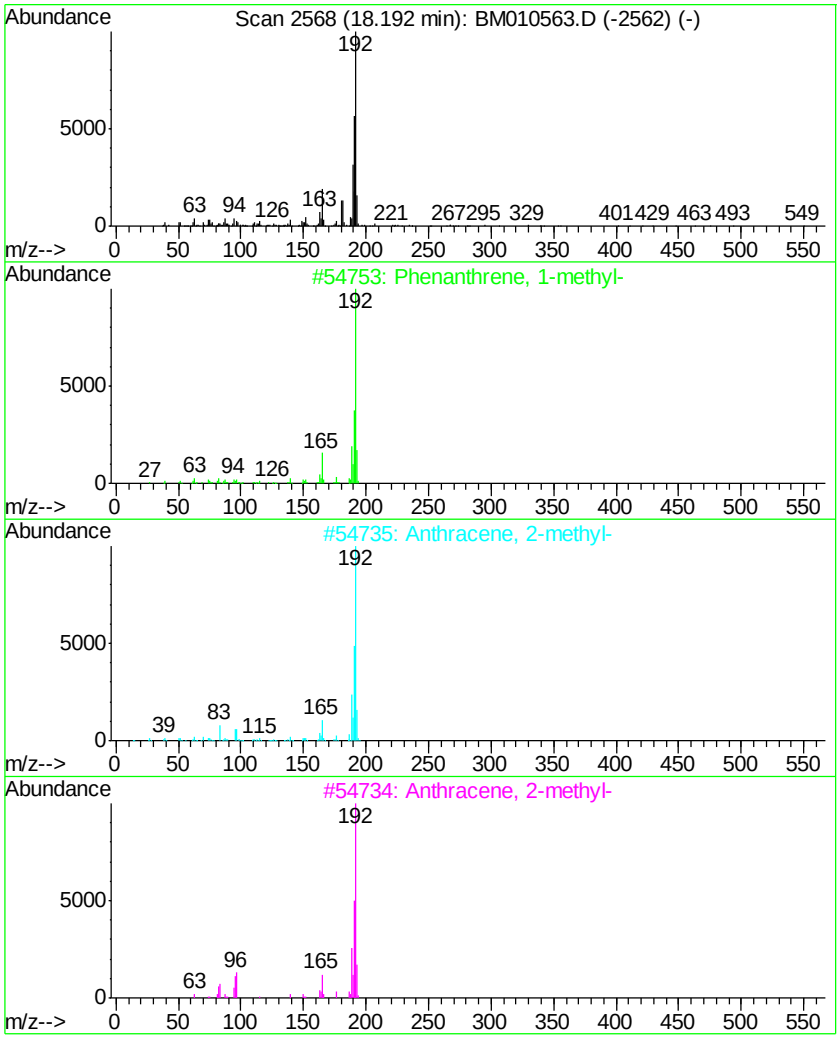
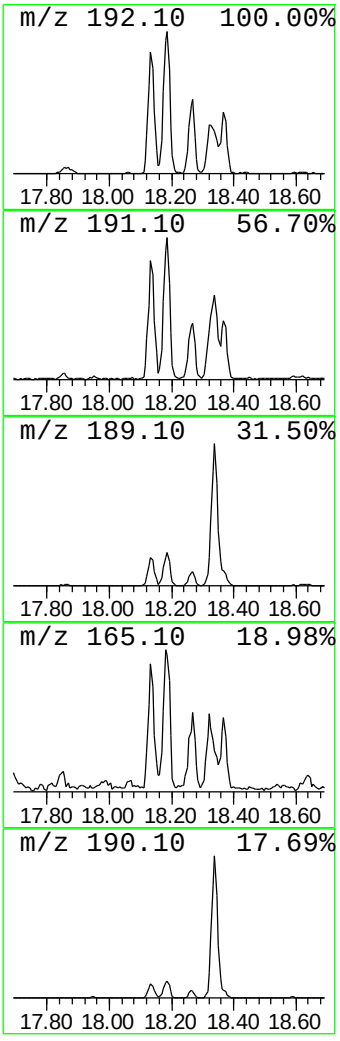
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	15.97 ng/ul	1351090	Phenanthrene-d10	17.27

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	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 13 Jun 2017 16:53
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Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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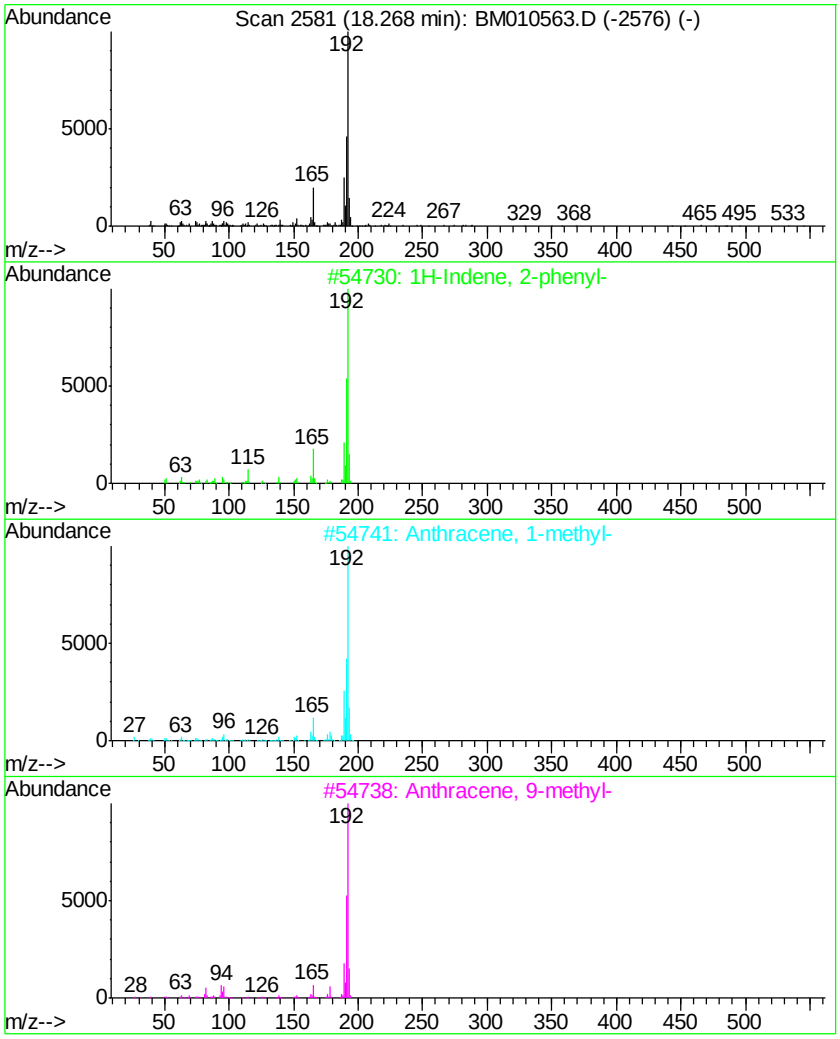
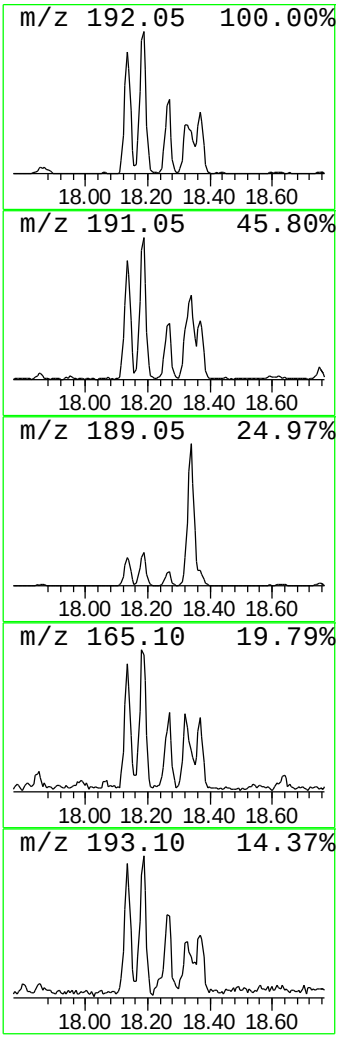
Peak Number 22 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	6.78 ng/ul	573569	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

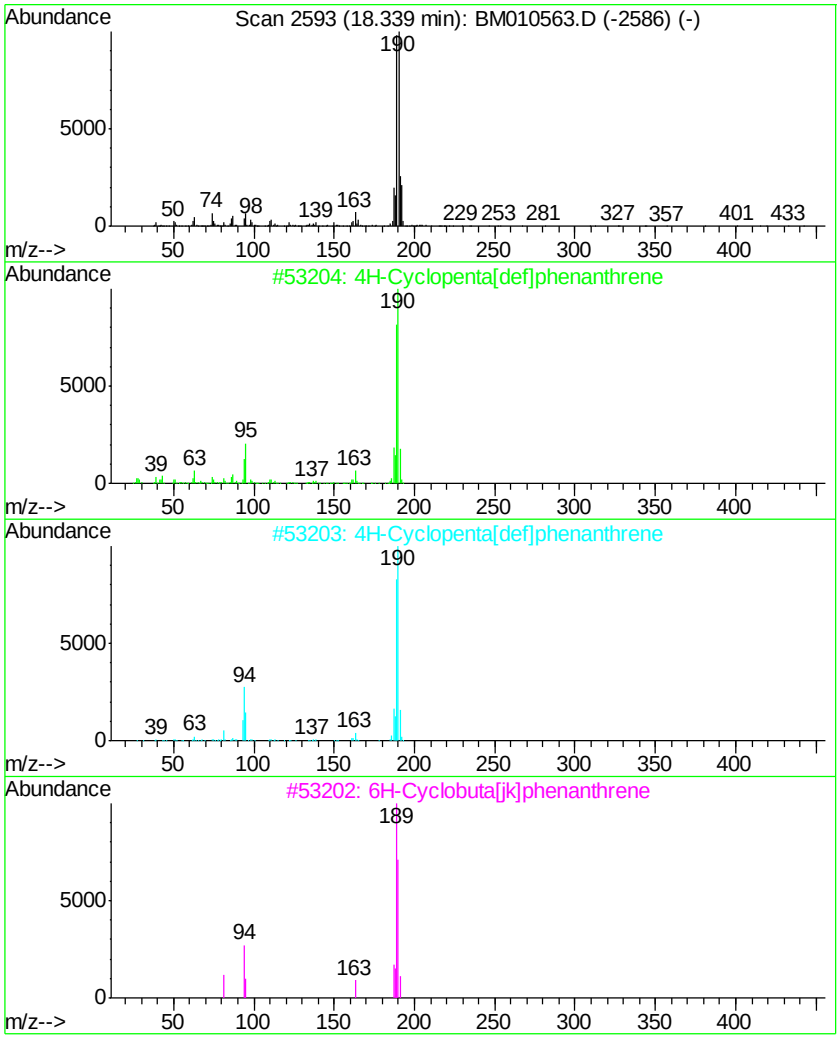
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

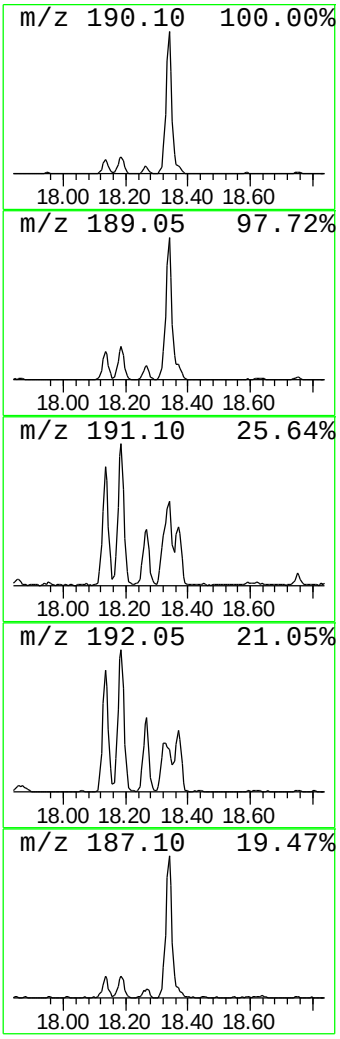
****

Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	24.77 ng/ul	2095500	Phenanthrene-d10	17.27

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	74
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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

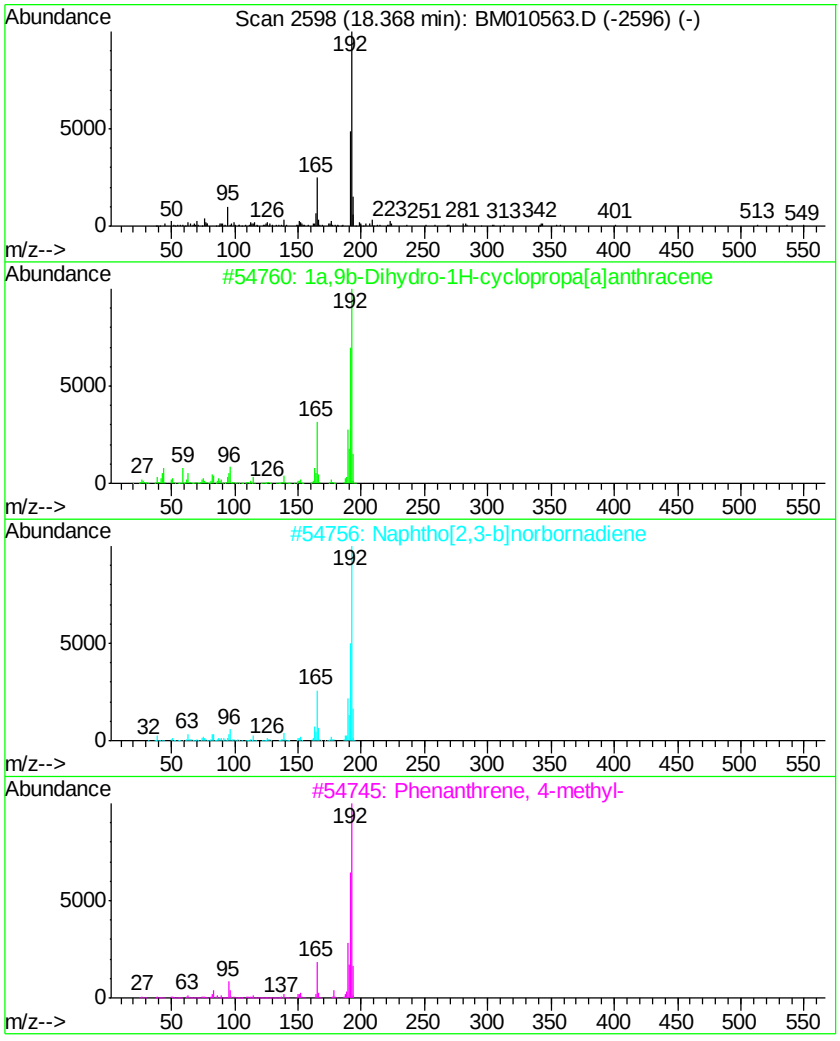
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

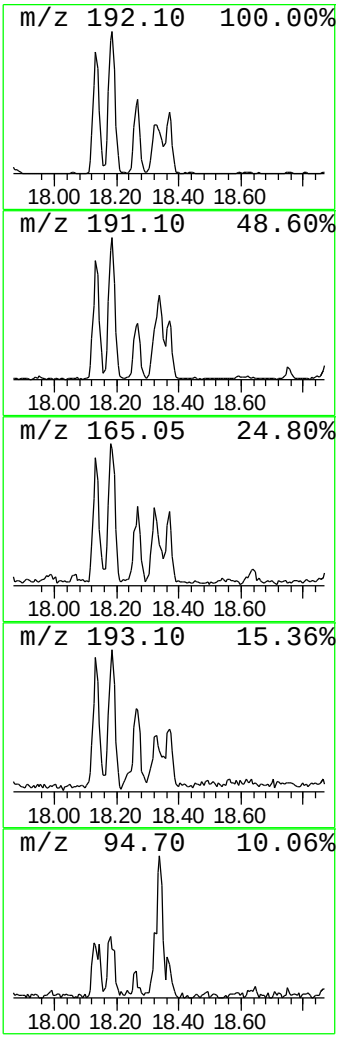
****

Peak Number 24 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.26 ng/ul	445112	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80





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Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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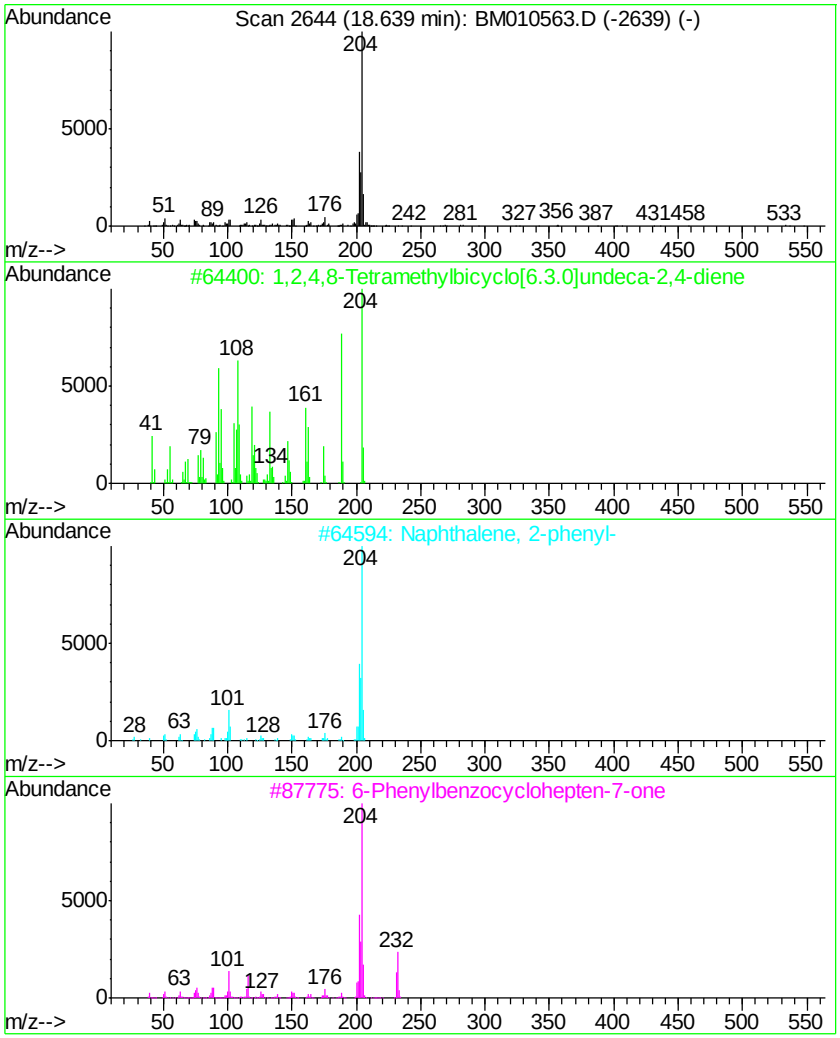
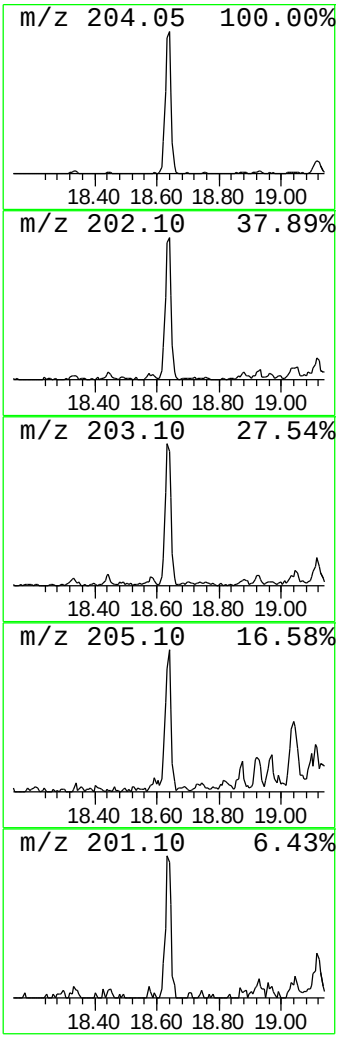
Peak Number 25 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	8.74 ng/ul	739372	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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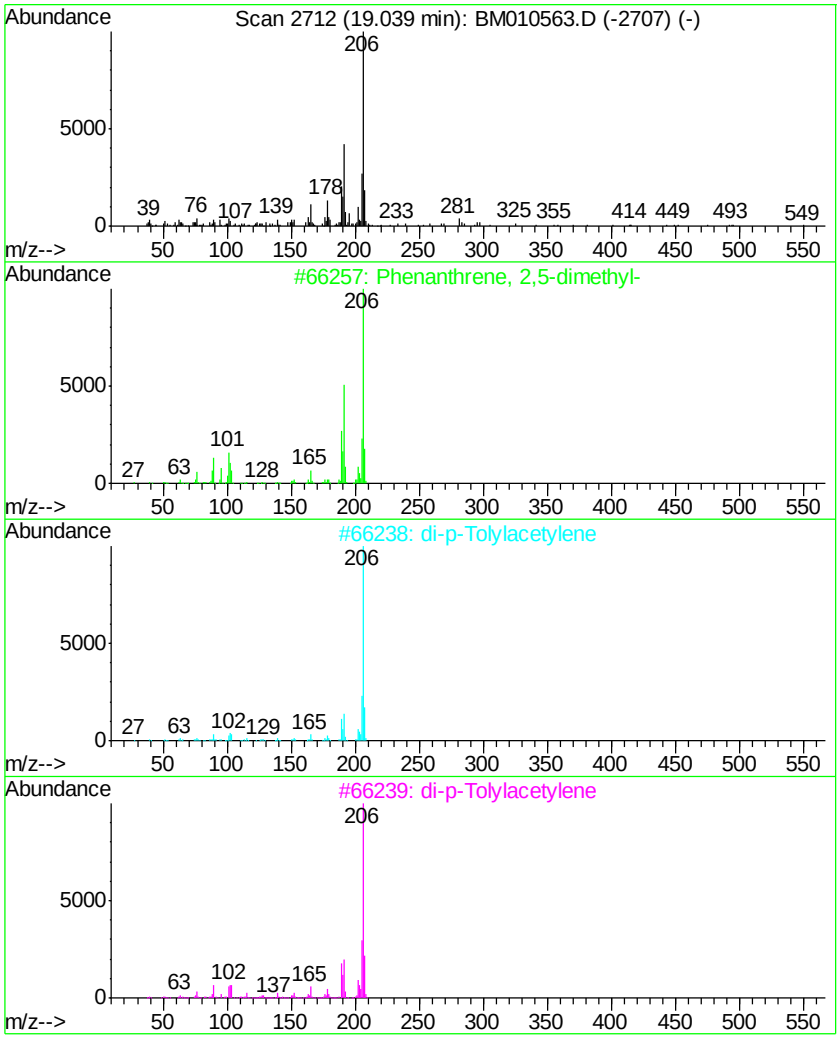
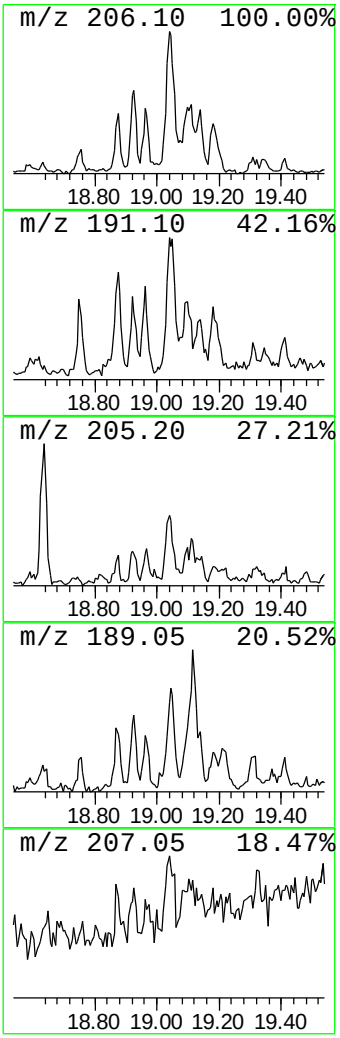
Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	4.22 ng/ul	356628	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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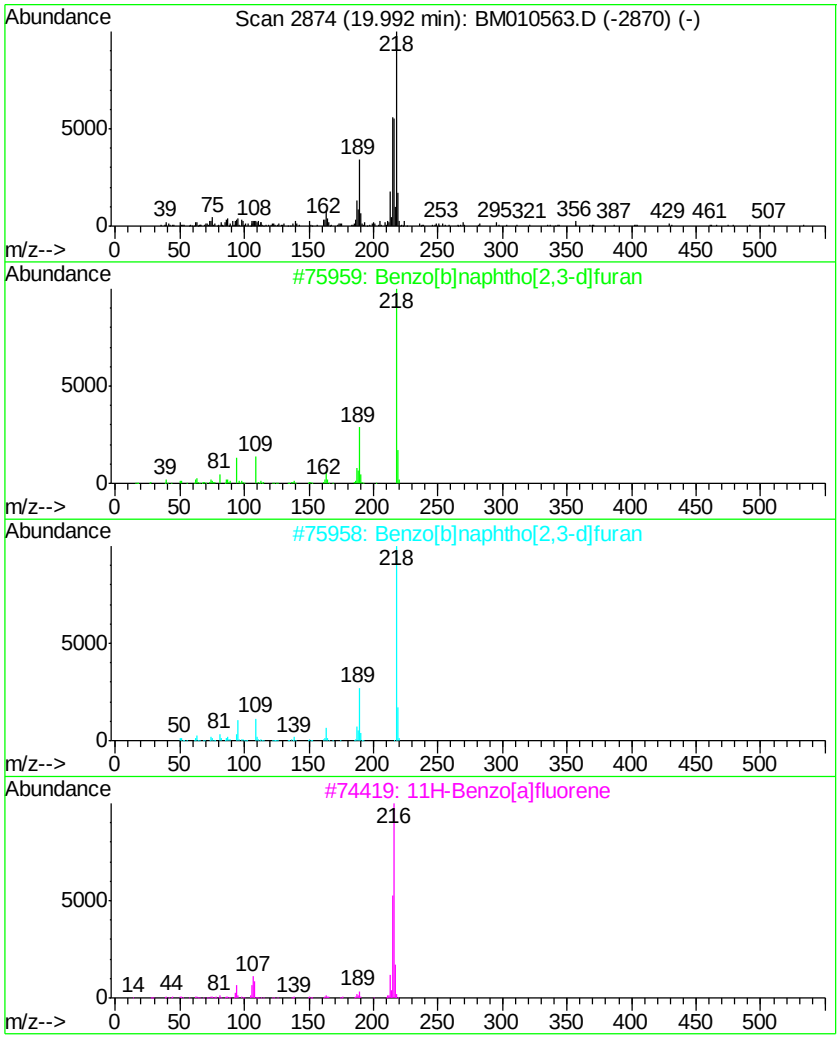
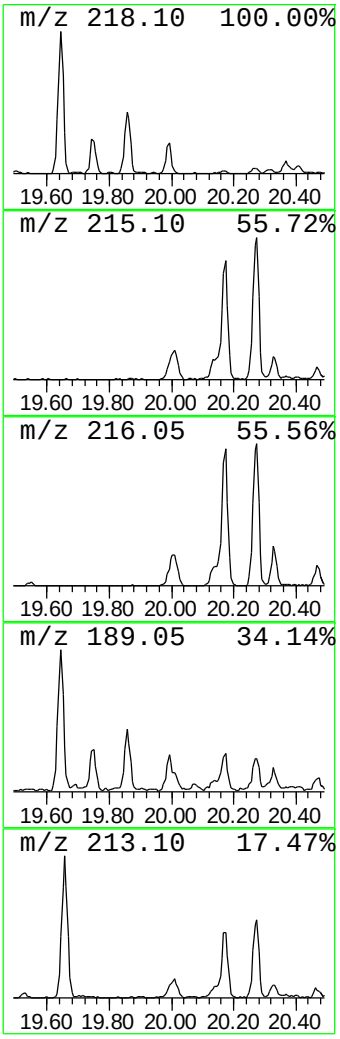
Peak Number 27 Benzo[b]naphtho[2,3-d]furan Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.42 ng/ul	653658	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	62
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	55





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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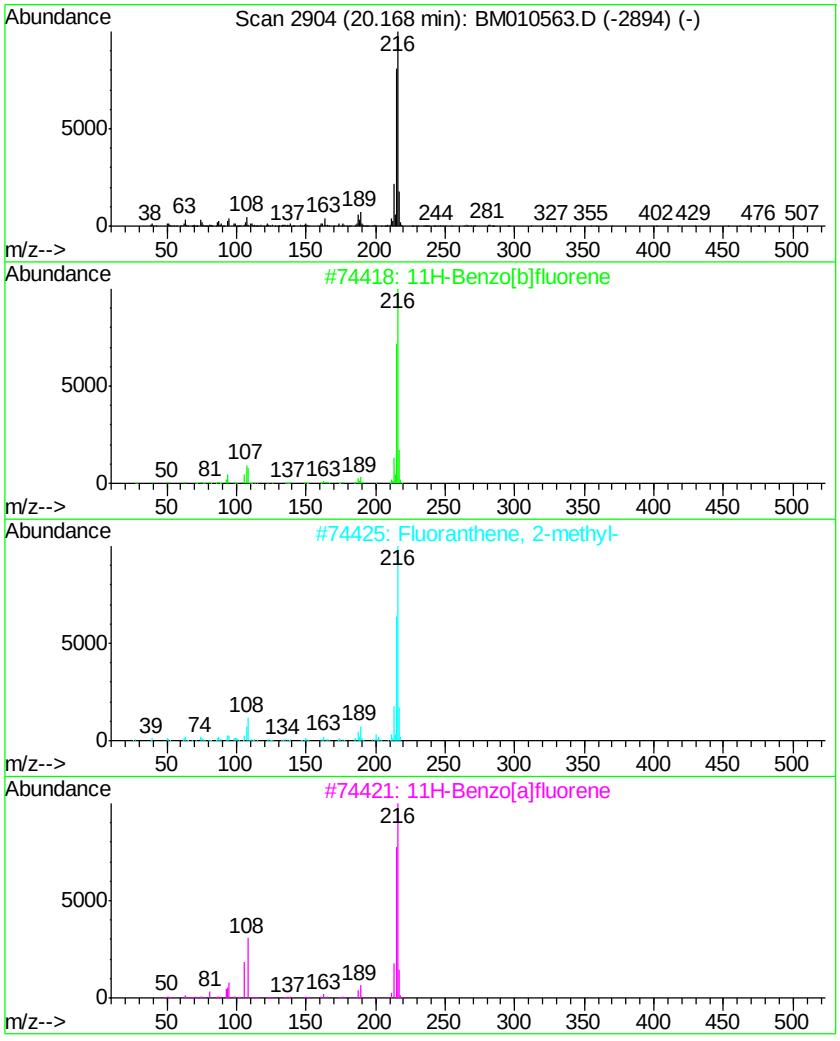
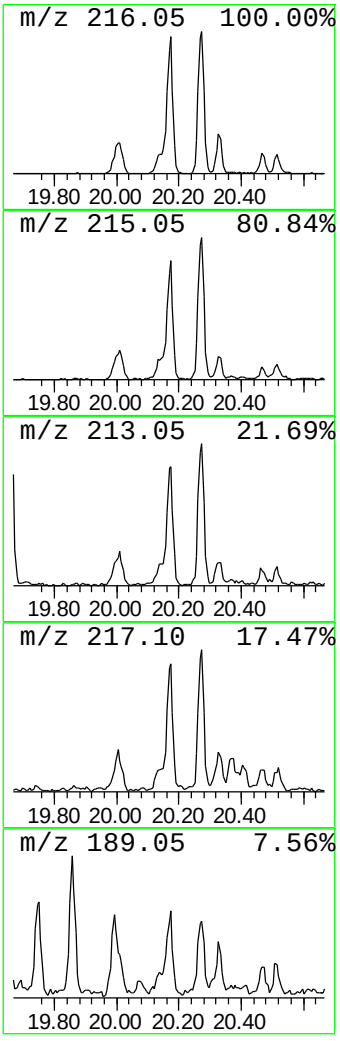
Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	5.70 ng/ul	1540940	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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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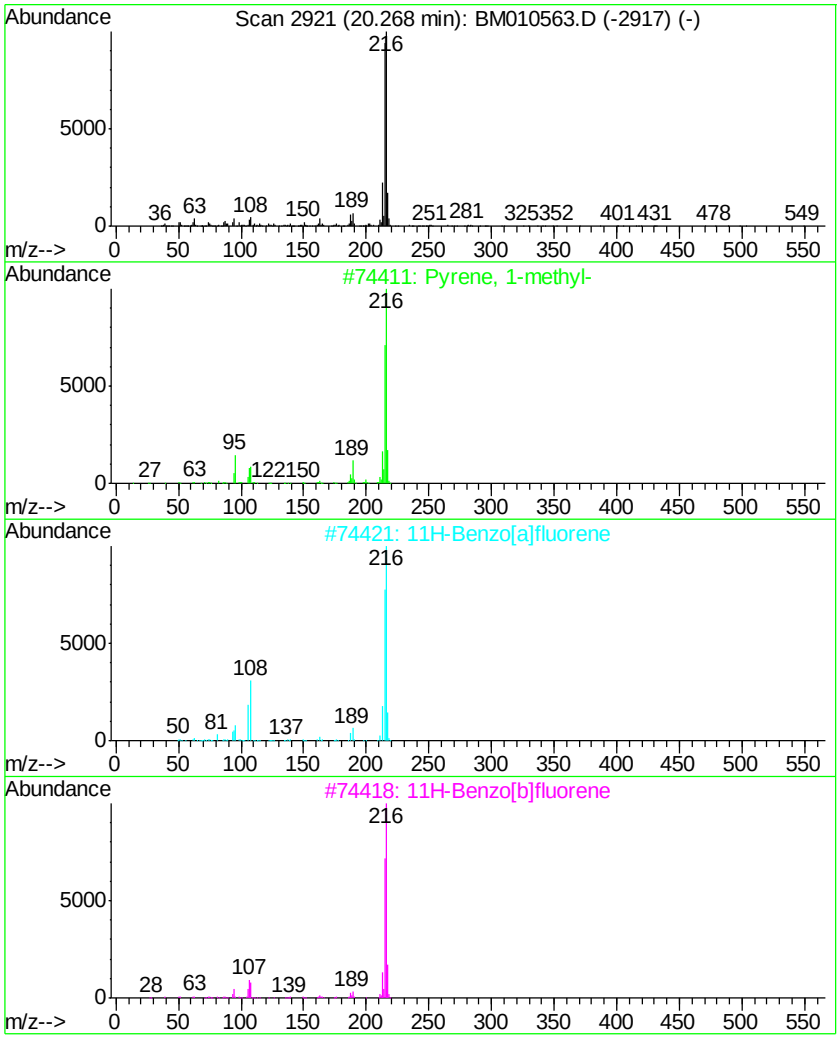
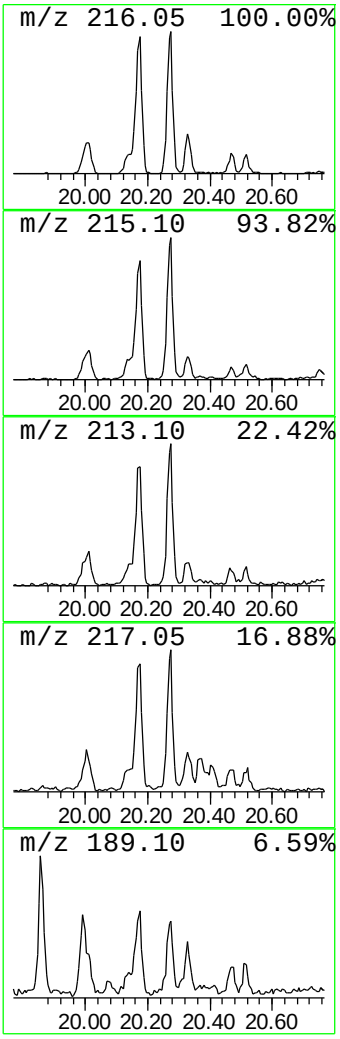
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	4.83 ng/ul	1304910	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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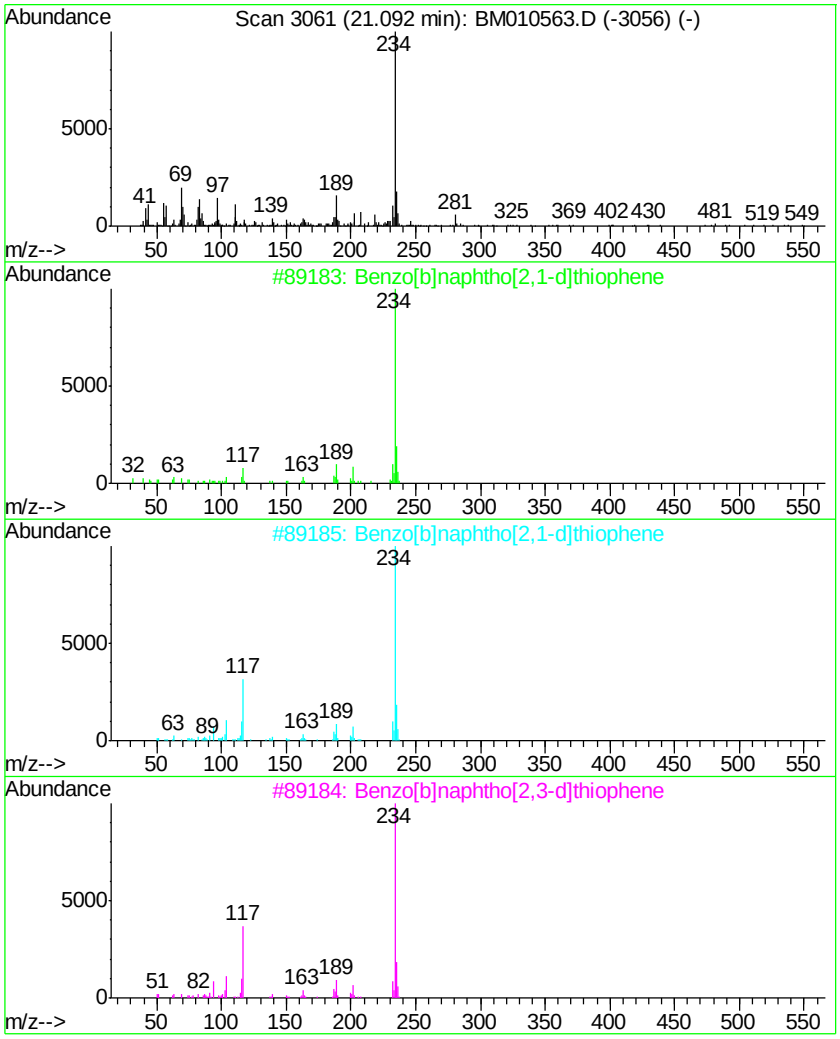
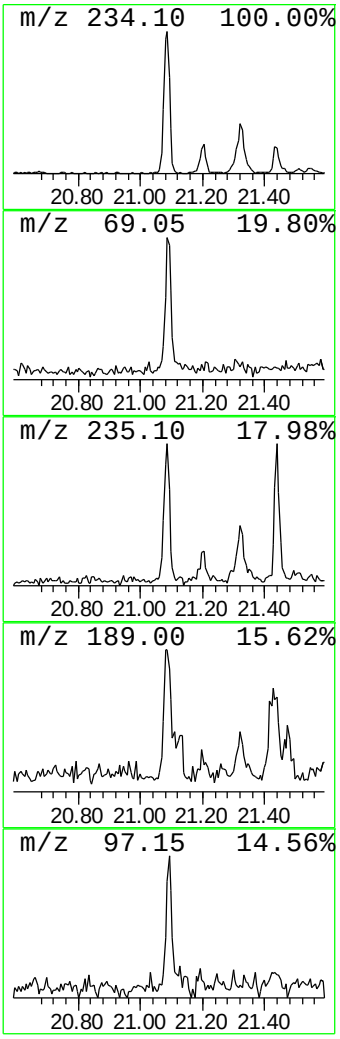
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.33 ng/ul	629666	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58ME

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...	12.56	53.3	ng/ul	2429430	2	10.68	911989	20.0
Naphthalene, 1-et...	13.54	6.1	ng/ul	363074	3	14.52	1184110	20.0
Naphthalene, 2,7-...	13.67	10.1	ng/ul	600216	3	14.52	1184110	20.0
Naphthalene, 1,3-...	13.83	19.2	ng/ul	1135560	3	14.52	1184110	20.0
Naphthalene, 1,4-...	14.07	6.7	ng/ul	398554	3	14.52	1184110	20.0
Naphthalene, 2,3,...	14.97	4.1	ng/ul	241077	3	14.52	1184110	20.0
Nordiphenamid	15.72	7.2	ng/ul	425974	3	14.52	1184110	20.0
1,1'-Biphenyl, 2-...	15.82	3.9	ng/ul	229360	3	14.52	1184110	20.0
Dibenzofuran, 4-m...	15.85	12.6	ng/ul	743007	3	14.52	1184110	20.0
4a,9a-Methano-9H-...	16.56	9.3	ng/ul	789014	4	17.27	1691960	20.0
Phenol, 3-(2-phen...	16.79	3.7	ng/ul	315169	4	17.27	1691960	20.0
8-Dimethylaminona...	16.98	3.7	ng/ul	312101	4	17.27	1691960	20.0
Naphtho[2,1-b]thi...	17.09	14.5	ng/ul	1225680	4	17.27	1691960	20.0
Cyclobuta[1'',2''...	17.78	3.2	ng/ul	272100	4	17.27	1691960	20.0
1-Methyldibenzoth...	17.84	2.9	ng/ul	244745	4	17.27	1691960	20.0
Anthracene, 1-met...	18.13	13.7	ng/ul	1155460	4	17.27	1691960	20.0
Phenanthrene, 1-m...	18.19	16.0	ng/ul	1351090	4	17.27	1691960	20.0
1H-Indene, 2-phenyl-	18.27	6.8	ng/ul	573569	4	17.27	1691960	20.0
4H-Cyclopenta[def...	18.34	24.8	ng/ul	2095500	4	17.27	1691960	20.0
1a,9b-Dihydro-1H-...	18.37	5.3	ng/ul	445112	4	17.27	1691960	20.0
1,2,4,8-Tetrameth...	18.64	8.7	ng/ul	739372	4	17.27	1691960	20.0
Phenanthrene, 2,5...	19.04	4.2	ng/ul	356628	4	17.27	1691960	20.0
Benzo[b]naphtho[2...	19.99	2.4	ng/ul	653658	5	21.44	5407000	20.0
11H-Benzo[b]fluorene	20.17	5.7	ng/ul	1540940	5	21.44	5407000	20.0
Pyrene, 1-methyl-	20.27	4.8	ng/ul	1304910	5	21.44	5407000	20.0
Benzo[b]naphtho[2...	21.09	2.3	ng/ul	629666	5	21.44	5407000	20.0