LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

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-BM062017.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	6.175	552	559	568	rVB	746219	1076742	1.14%	0.220%
2	7.828	834	840	848	rVB	1277567	2020510	2.14%	0.412%
3	7.992	857	868	877	rVB	1977145	3064973	3.25%	0.626%
4	9.639	1135	1148	1158	rBV4	528660	1496607	1.59%	0.305%
5	10.327	1243	1265	1269	rBV2	36631261	94365114	100.00%	19.261%
6	10.410	1269	1279	1288	rVB	1982866	3174977	3.36%	0.648%
7	11.921	1522	1536	1541	rBV	16097141	28116913	29.80%	5.739%
8	12.139	1559	1573	1581	rVB	7389723	11802403	12.51%	2.409%
9	12.939	1699	1709	1716	rBV	3455149	5082893	5.39%	1.038%
10	13.133	1737	1742	1754	rVB	1138878	2097859	2.22%	0.428%
11	13.268	1754	1765	1767	rBV	1743180	2782087	2.95%	0.568%
12	13.433	1785	1793	1798	rBV	2594639	4515200	4.78%	0.922%
13	13.486	1798	1802	1818	rVB	1816501	2746830	2.91%	0.561%
14	13.668	1828	1833	1837	rBV	1078695	1644317	1.74%	0.336%
15	13.833	1851	1861	1869	rVB2	1089328	1736308	1.84%	0.354%
16	14.104	1900	1907	1914	rBV2	1663541	2871056	3.04%	0.586%
17	14.198	1914	1923	1929	rVV	14120695	21425770	22.71%	4.373%
18	14.433	1954	1963	1968	rVB3	624630	1130598	1.20%	0.231%
19	14.533	1968	1980	1986	rBV	10918729	16461922	17.44%	3.360%
20	15.186	2084	2091	2096	rBV	14426307	21813488	23.12%	4.452%
21	15.298	2108	2110	2113	rVV	790137	1070694	1.13%	0.219%
22	15.339	2113	2117	2121	rVV	1566293	2304906	2.44%	0.470%
23	15.421	2128	2131	2135	rVV	786176	1127854	1.20%	0.230%
24	15.474	2135	2140	2149	rVB	2014924	2926233	3.10%	0.597%
25	15.621	2149	2165	2173	rBV	2134010	4652883	4.93%	0.950%
26	15.968	2217	2224	2232	rBV4	589175	1114532	1.18%	0.227%
27	16.180	2249	2260	2265	rBV2	1465837	3031413	3.21%	0.619%
28	16.327	2280	2285	2290	rVB2	593736	1002135	1.06%	0.205%
29	16.609	2327	2333	2339	rBV	736560	1407614	1.49%	0.287%
30	16.692	2339	2347	2352	rBV	2734230	3993337	4.23%	0.815%
31	16.880	2369	2379	2380	rBV	659589	1087685	1.15%	0.222%
32	16.951	2380	2391	2395	rVV2	38227647	73826989	78.24%	15.069%
33	17.021	2397	2403	2407	rVV	7278815	9303329	9.86%	1.899%
34	17.286	2442	2448	2452	rBV	3320318	4435404	4.70%	0.905%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

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-BM062017.M
Title : SVOA CALIBRATION

35	17.751	2517	2527	2531	rBV	2716383	4117667	4.36%	0.840%
36	17.803	2531	2536	2542	rVV	3827476	5334911	5.65%	1.089%
37	17.880	2543	2549	2554	rVV	1530907	2320498	2.46%	0.474%
38	17.951	2554	2561	2565	rVV2	5094615	8602246	9.12%	1.756%
39	17.980	2565	2566	2573	rVV	1341962	1295433	1.37%	0.264%
40	18.256	2609	2613	2618	rVB	1951891	2588868	2.74%	0.528%
41	18.680	2679	2685	2690	rBV2	856505	1679534	1.78%	0.343%
42	18.968	2725	2734	2738	rBV	25978946	40413690	42.83%	8.249%
43	19.327	2784	2795	2802	rBV2	15939074	31885896	33.79%	6.508%
44	19.386	2802	2805	2813	rVB3	919036	1528785	1.62%	0.312%
45	19.492	2813	2823	2829	rBV	1091864	1807243	1.92%	0.369%
46	19.639	2841	2848	2854	rBV2	878550	2340411	2.48%	0.478%
47	19.774	2866	2871	2874	rVV3	775293	1357400	1.44%	0.277%
48	19.815	2874	2878	2883	rVB	3374117	4582571	4.86%	0.935%
49	19.921	2890	2896	2899	rBV	3960913	5155049	5.46%	1.052%
50	19.974	2899	2905	2909	rVV2	1225257	2132397	2.26%	0.435%
51	20.733	3029	3034	3037	rBV	1009846	1315487	1.39%	0.269%
52	20.768	3037	3040	3044	rVV	967684	1306896	1.38%	0.267%
53	21.080	3087	3093	3098	rVV3	7177262	11685362	12.38%	2.385%
54	21.127	3098	3101	3108	rVB	4605092	5588488	5.92%	1.141%
55	21.239	3117	3120	3124	rBV	1091716	1310342	1.39%	0.267%
56	21.397	3142	3147	3152	rBV2	647911	1073024	1.14%	0.219%
57	21.621	3179	3185	3189	rBV	663062	1049212	1.11%	0.214%
58	22.597	3344	3351	3355	rBV	1748147	3729104	3.95%	0.761%
59	23.044	3421	3427	3435	rVB	739739	1339233	1.42%	0.273%
60	23.133	3436	3442	3450	rVV	1266041	2258353	2.39%	0.461%
61	23.227	3450	3458	3462	rVV	692755	1406799	1.49%	0.287%

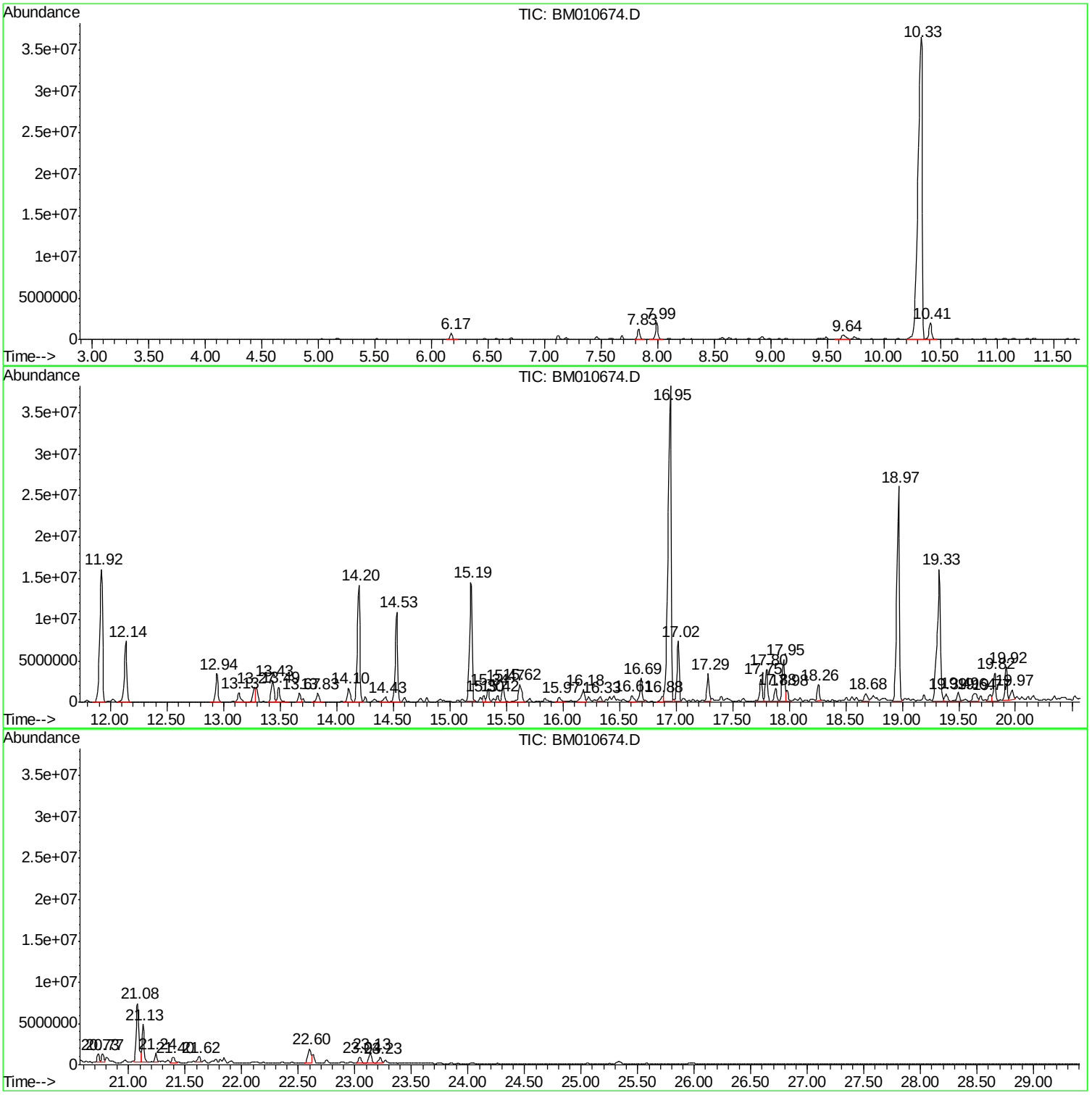
Sum of corrected areas: 489916474

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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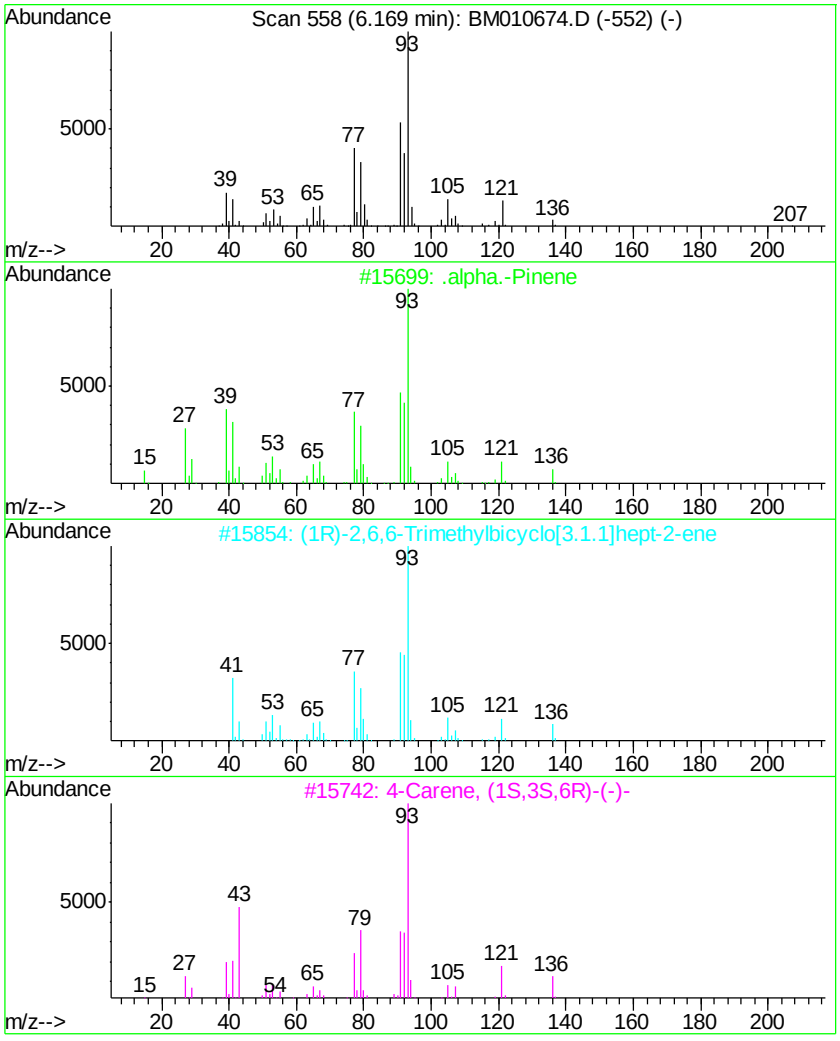
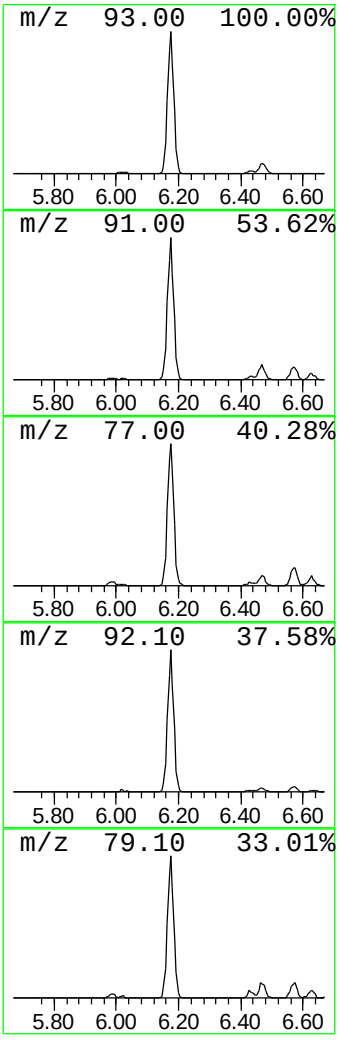
Peak Number 1 .alpha.-Pinene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	10.66 ng/ul	1076740	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	90
4	trans-.beta.-Ocimene	136	C10H16	003779-61-1	90
5	.alpha.-Pinene	136	C10H16	000080-56-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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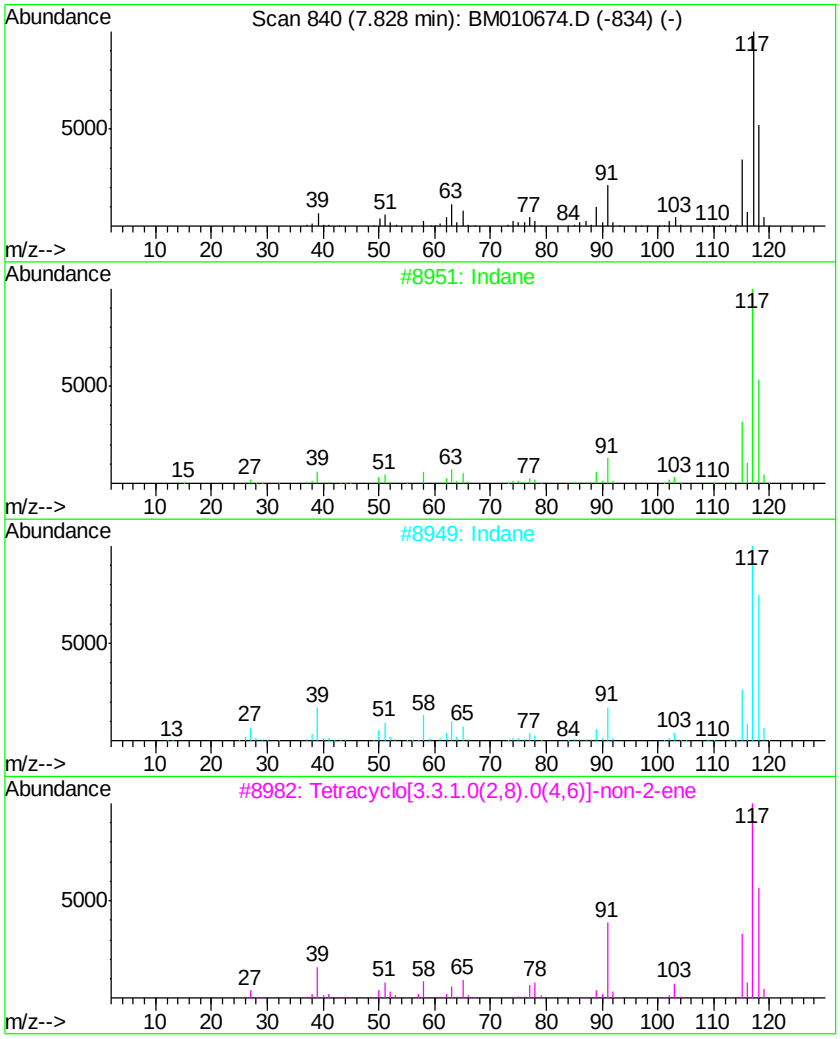
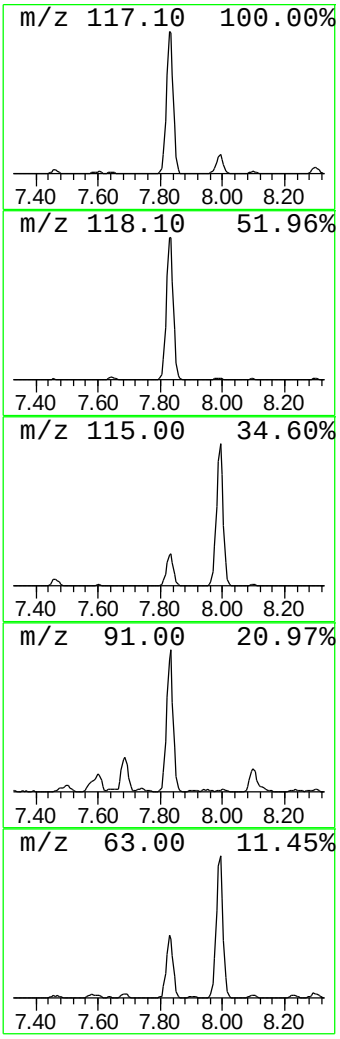
Peak Number 2 Indane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	20.00 ng/ul	2020510	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74
4	Indane	118	C9H10	000496-11-7	72
5	Deltacyclene	118	C9H10	007785-10-6	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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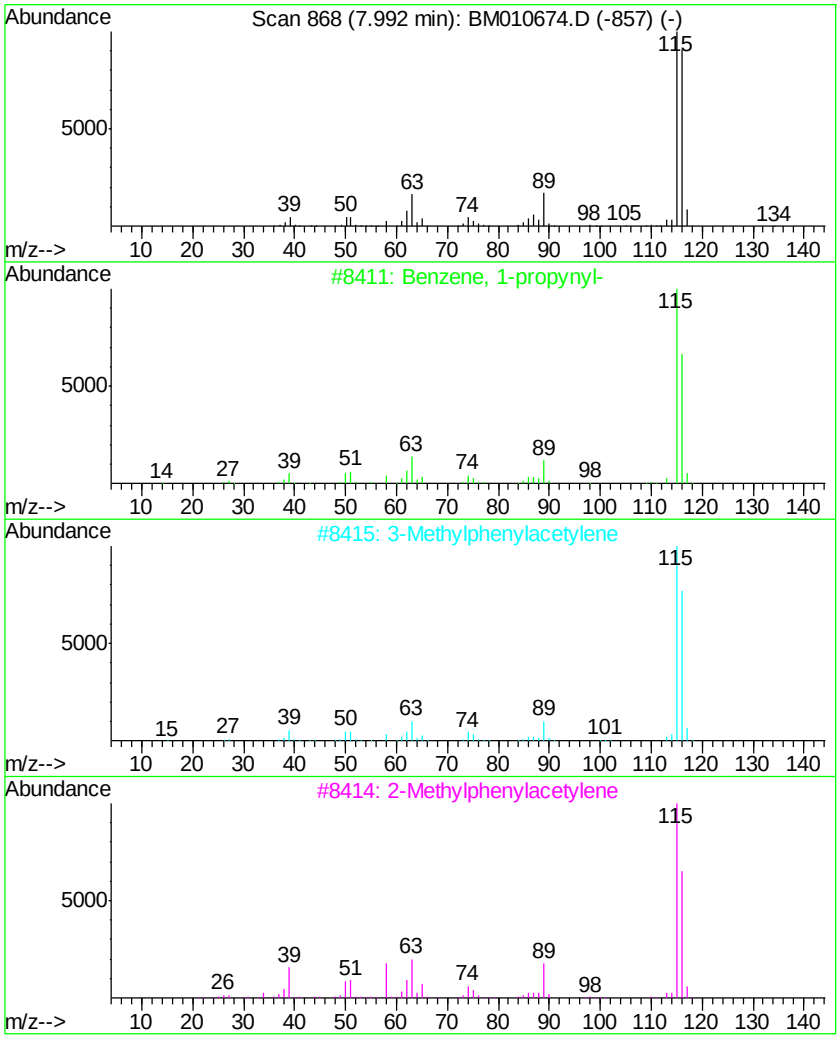
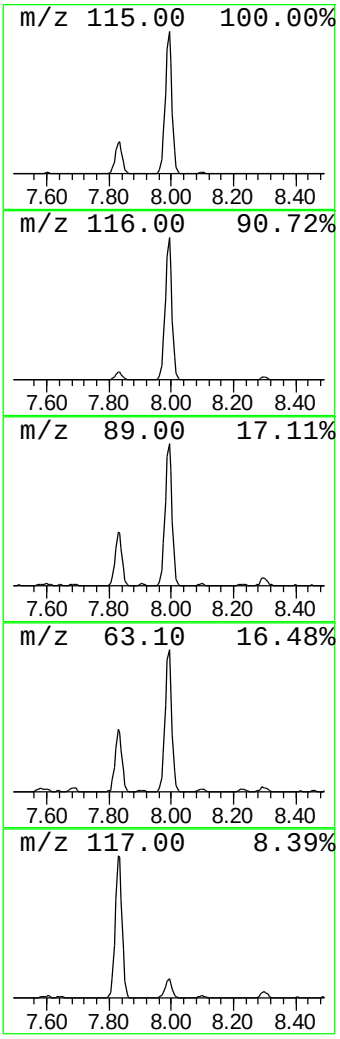
Peak Number 3 Benzene, 1-propynyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	30.34 ng/ul	3064970	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Indene	116	C9H8	000095-13-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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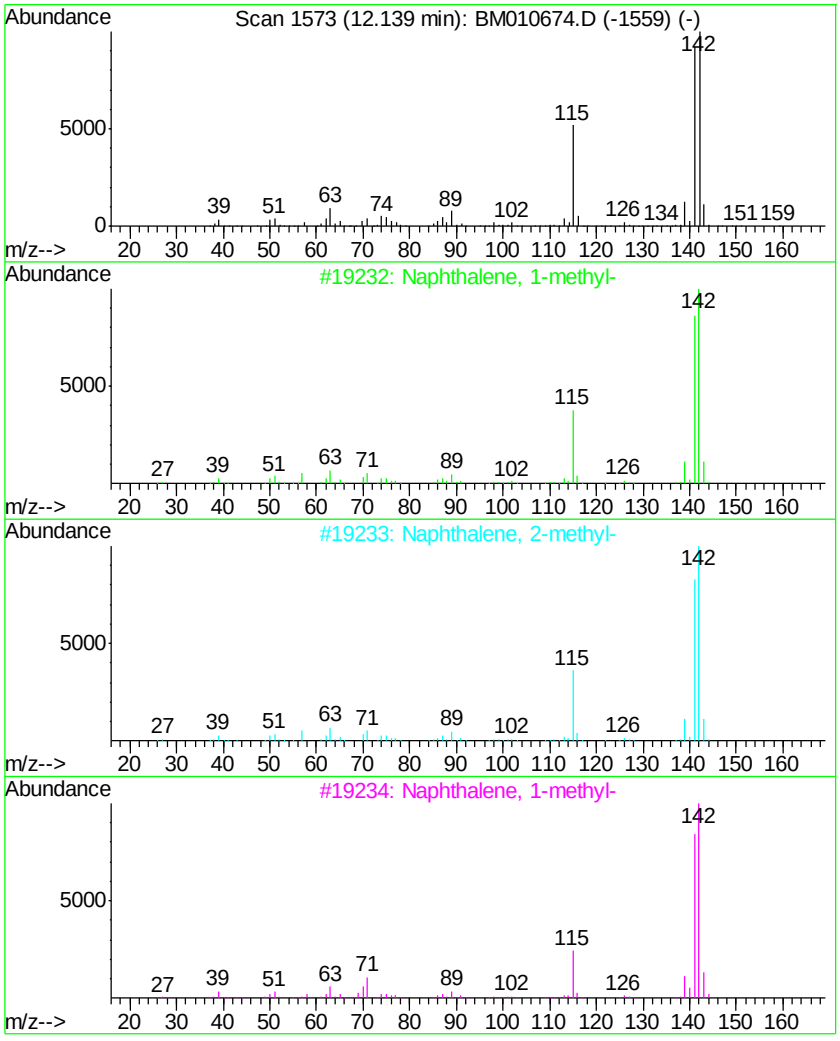
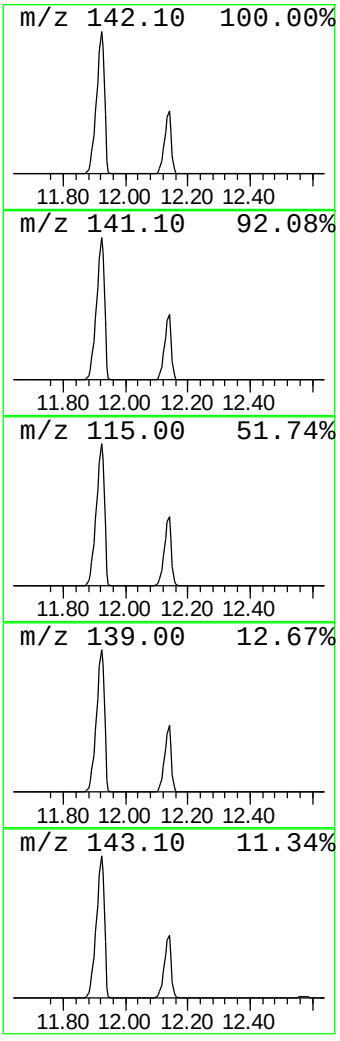
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.50 ng/ul	11802400	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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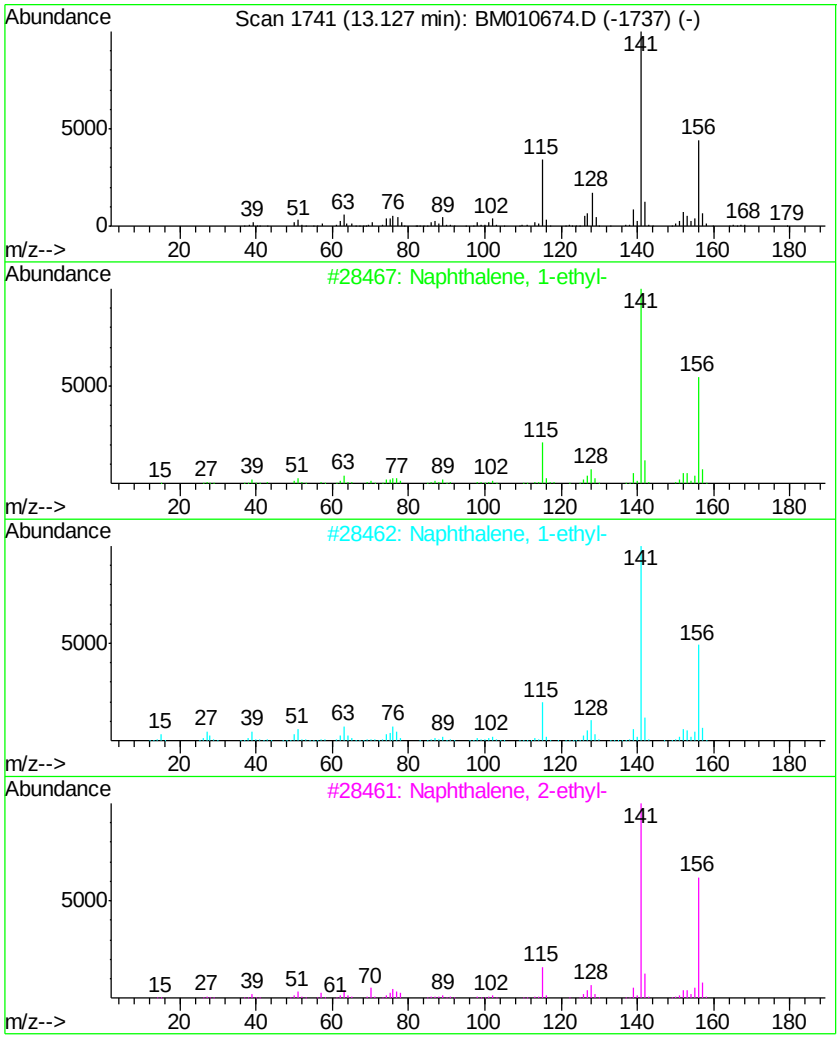
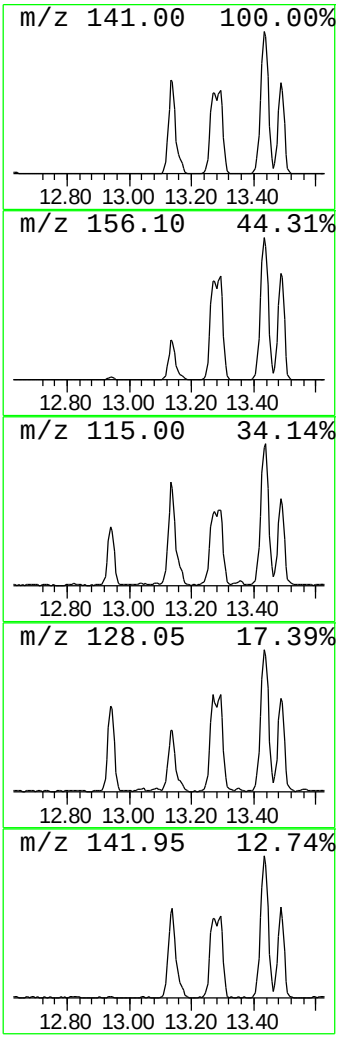
Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	14.61 ng/ul	2097860	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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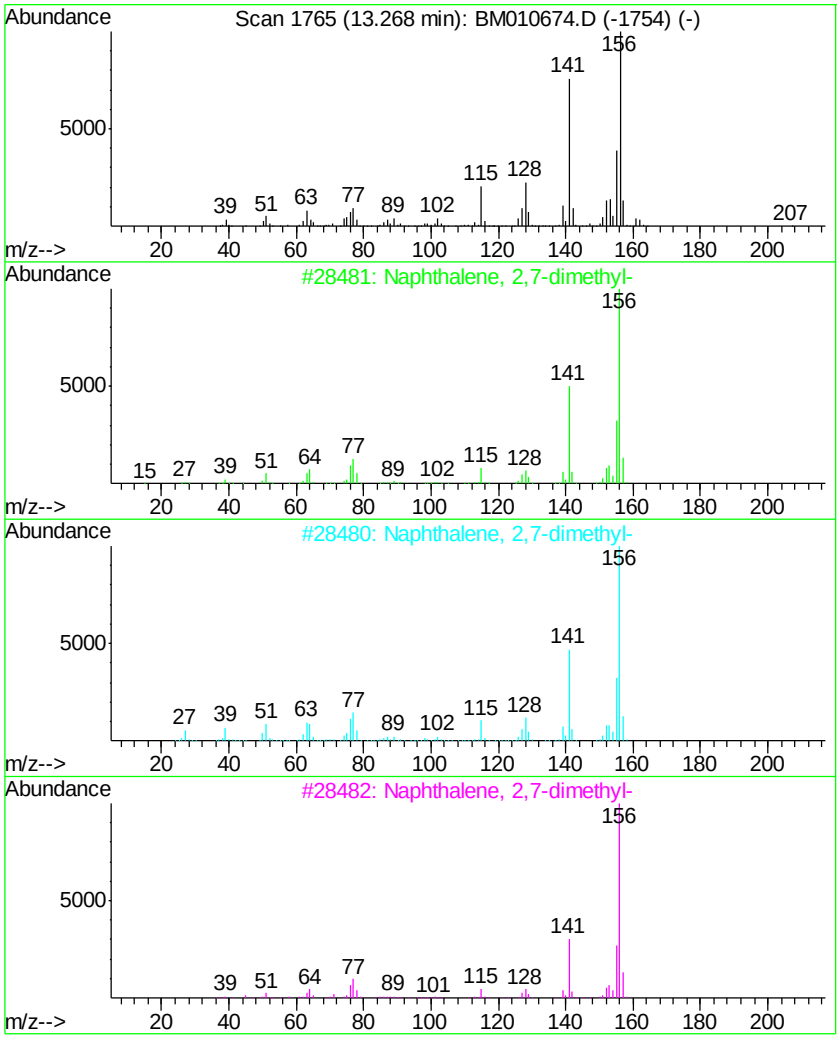
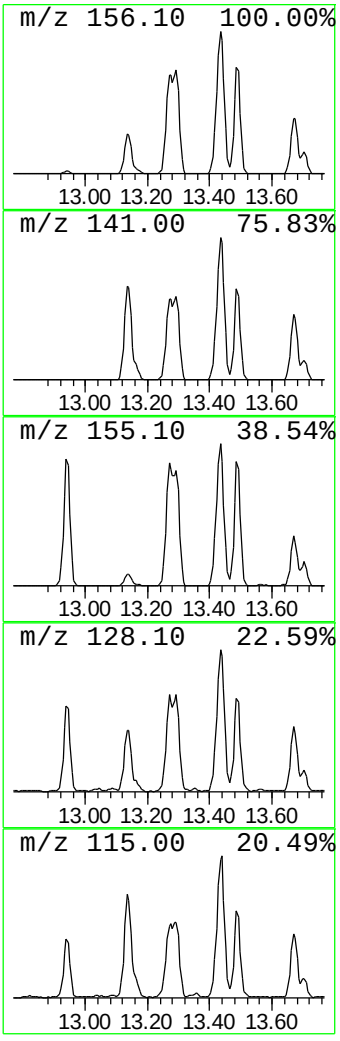
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	19.38 ng/ul	2782090	Acenaphthene-d10	14.12

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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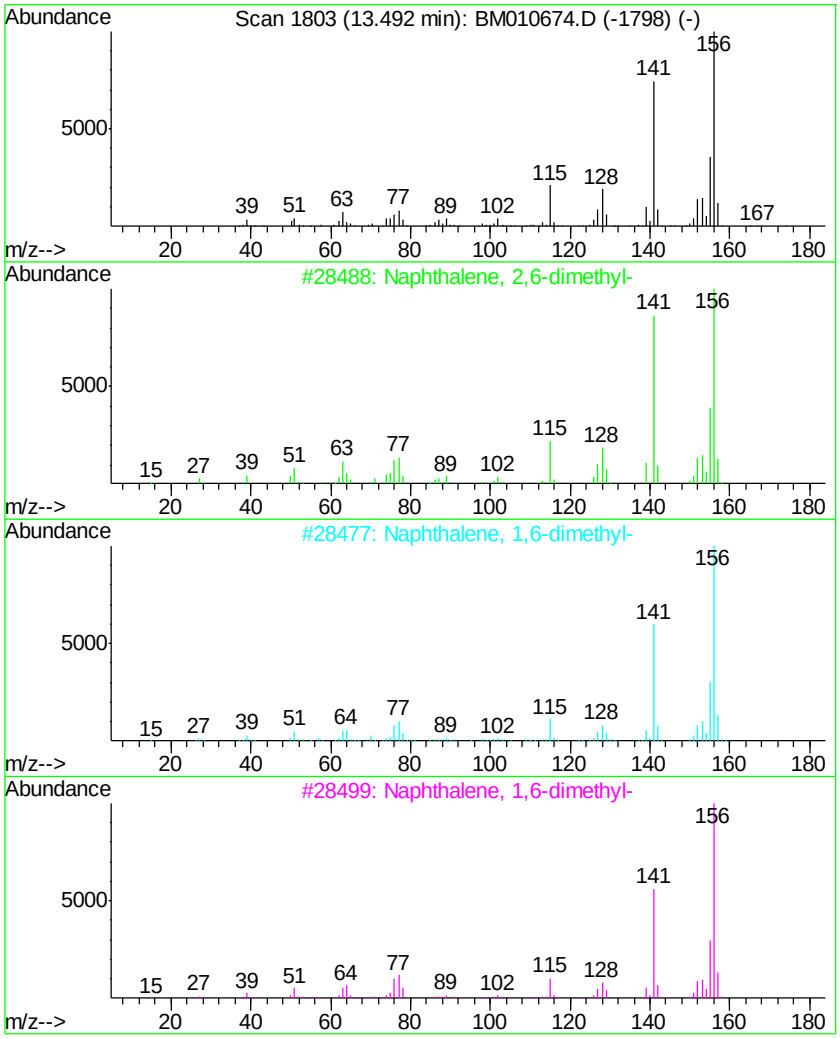
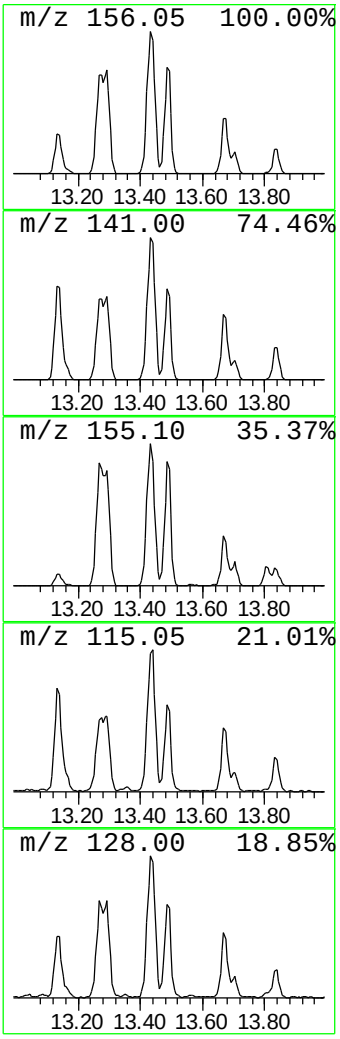
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	19.13 ng/ul	2746830	Acenaphthene-d10	14.12

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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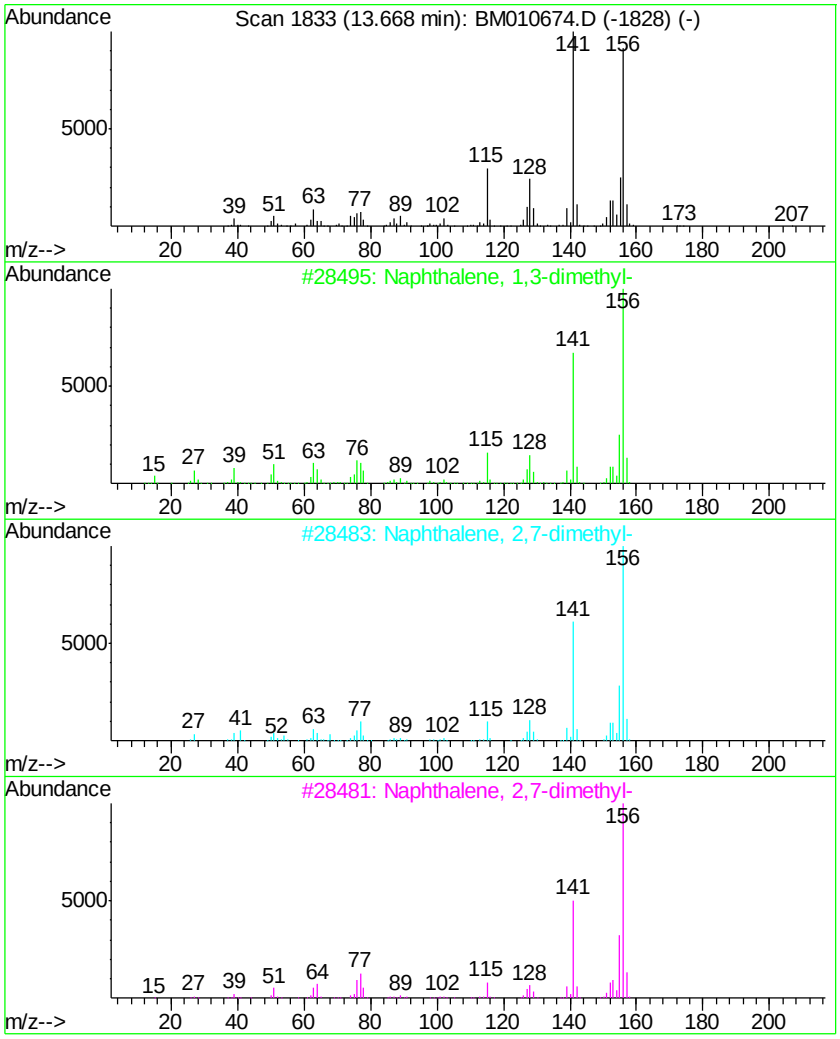
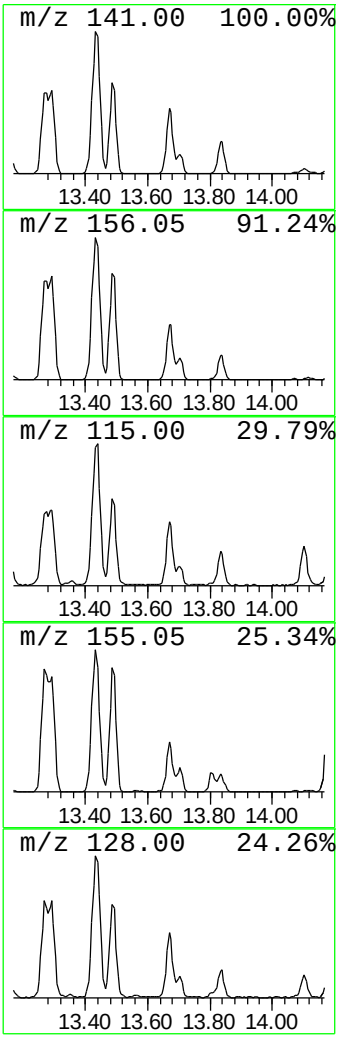
Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	11.45 ng/ul	1644320	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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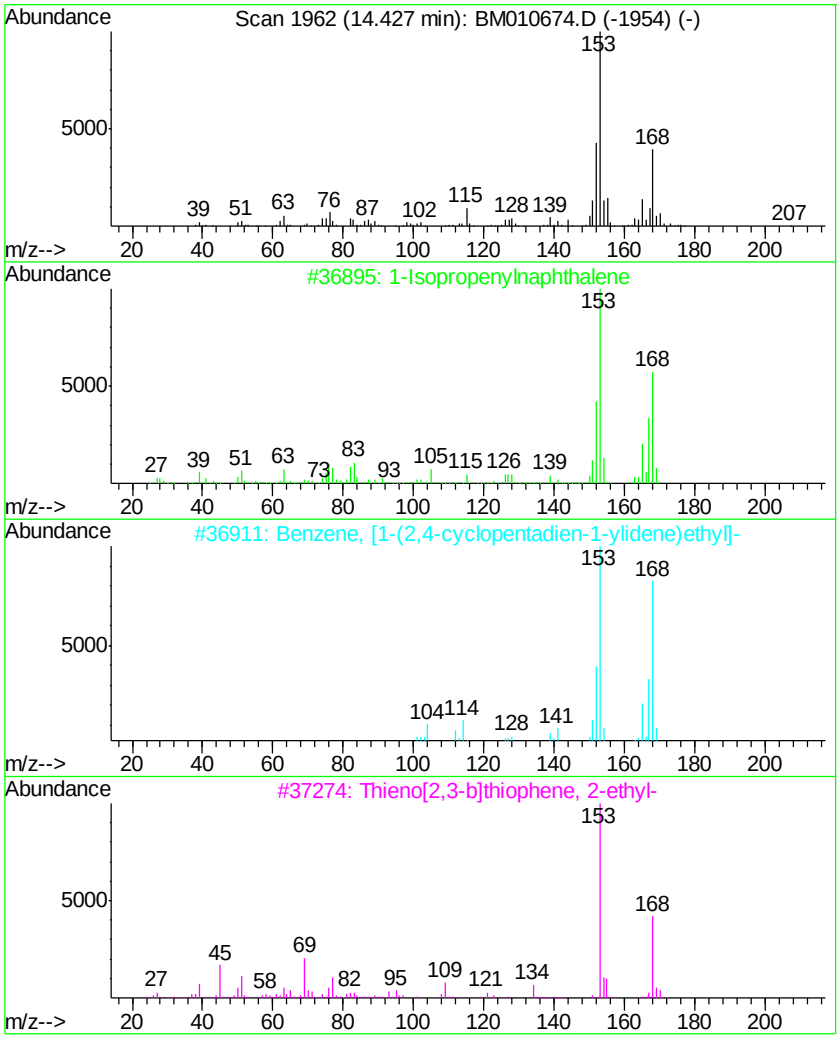
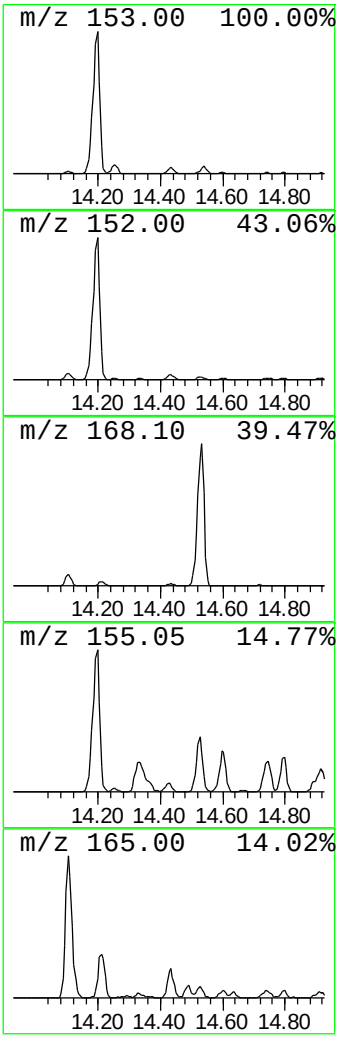
Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	7.88 ng/ul	1130600	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	52
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





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Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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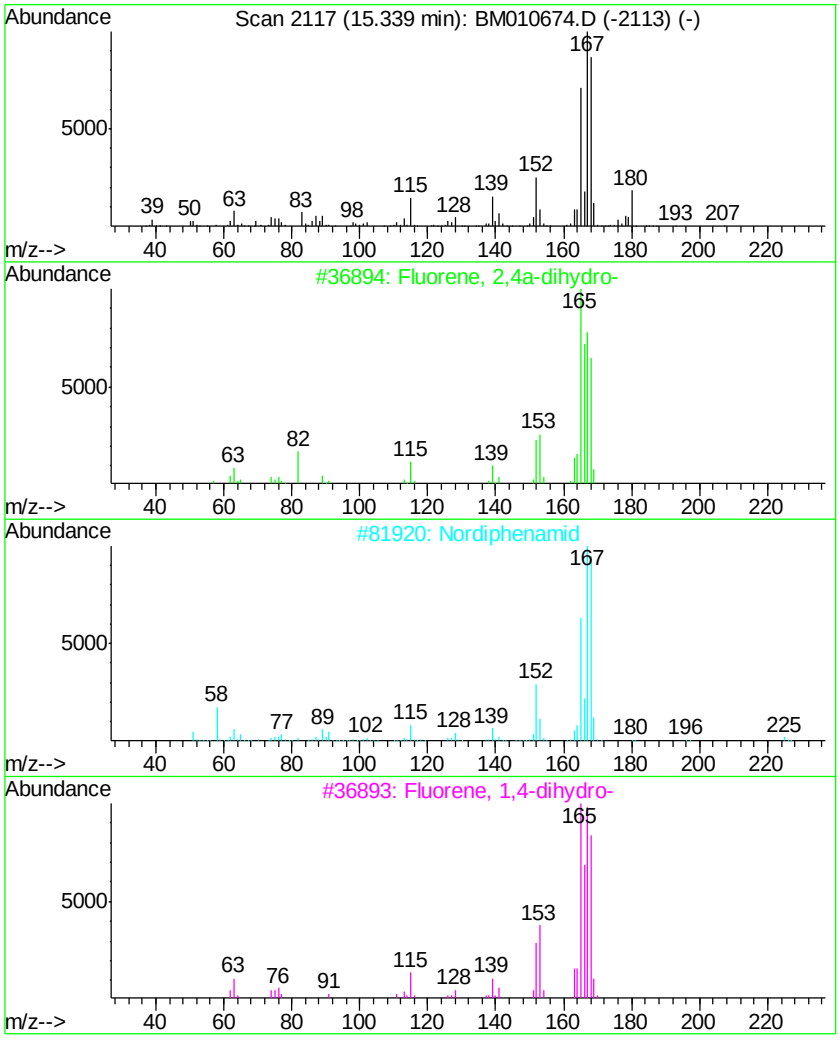
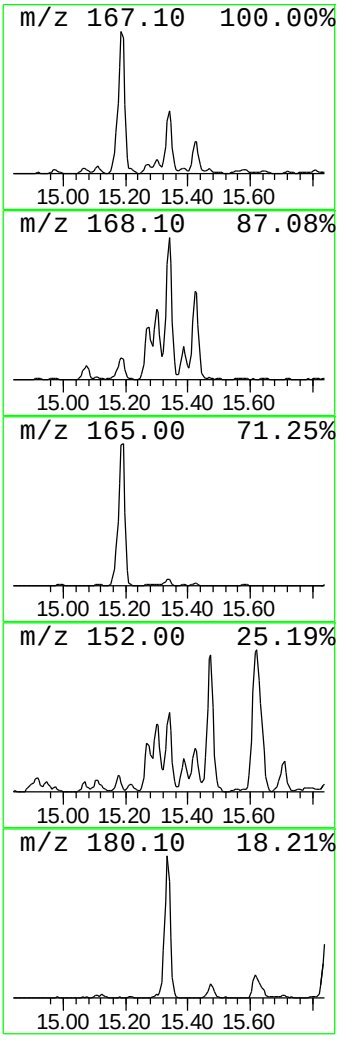
Peak Number 12 Fluorene, 2,4a-dihydro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	16.06 ng/ul	2304910	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89
2	Nordiphenamid	225	C15H15NO	000954-21-2	86
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
5	Diphenylmethane	168	C13H12	000101-81-5	68





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Operator : SJ/JU
Sample : I3653-05 25X
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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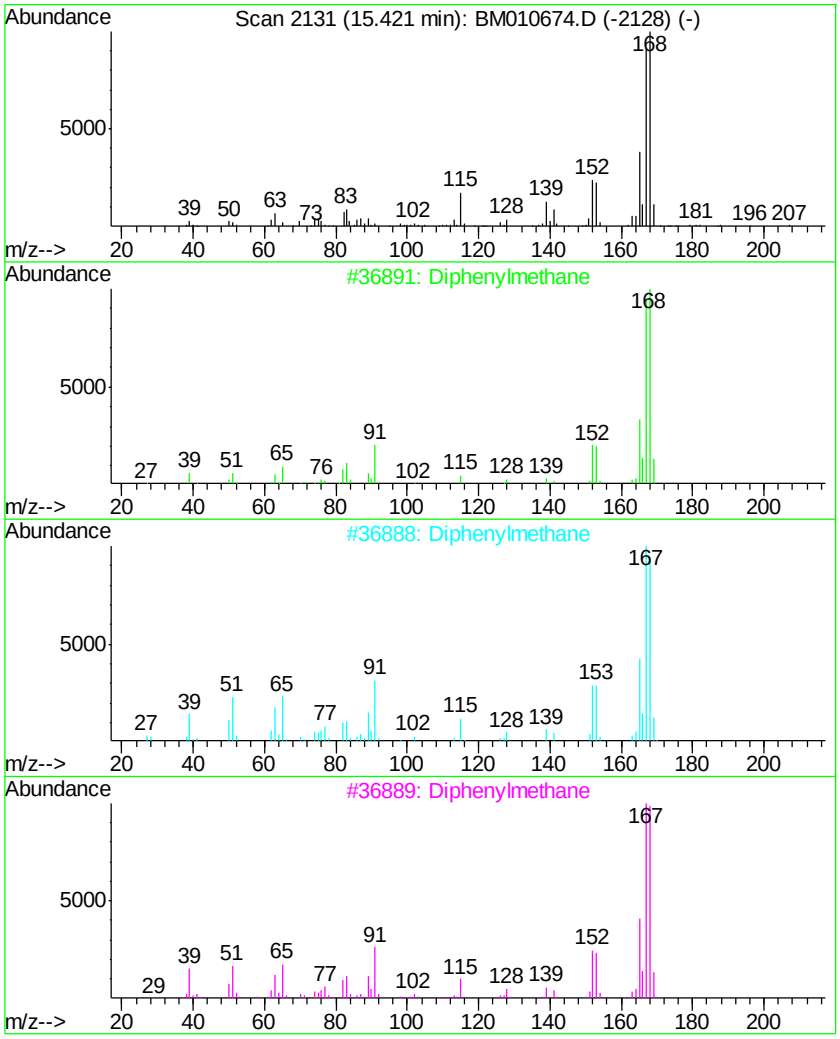
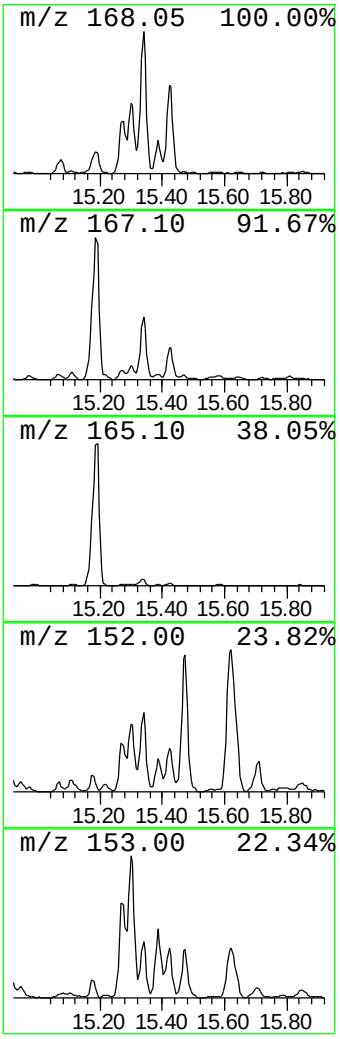
Peak Number 13 Diphenylmethane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	7.86 ng/ul	1127850	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	81
2	Diphenylmethane	168	C13H12	000101-81-5	81
3	Diphenylmethane	168	C13H12	000101-81-5	81
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
5	Diphenylmethane	168	C13H12	000101-81-5	74





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Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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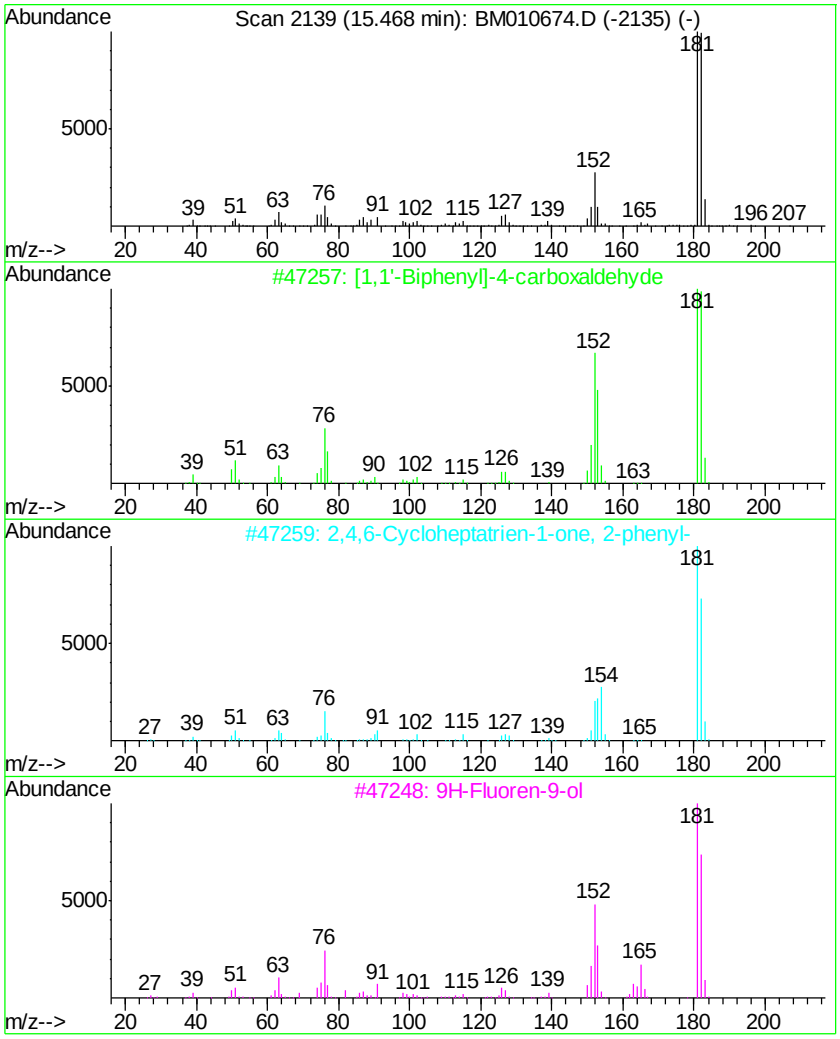
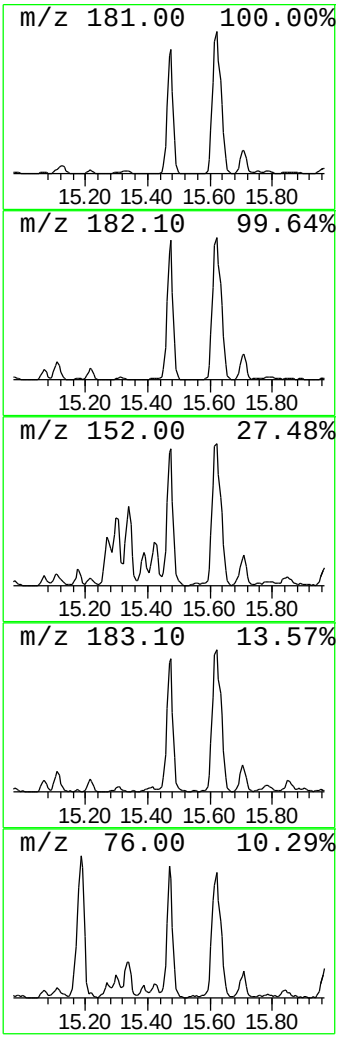
Peak Number 14 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	20.38 ng/ul	2926230	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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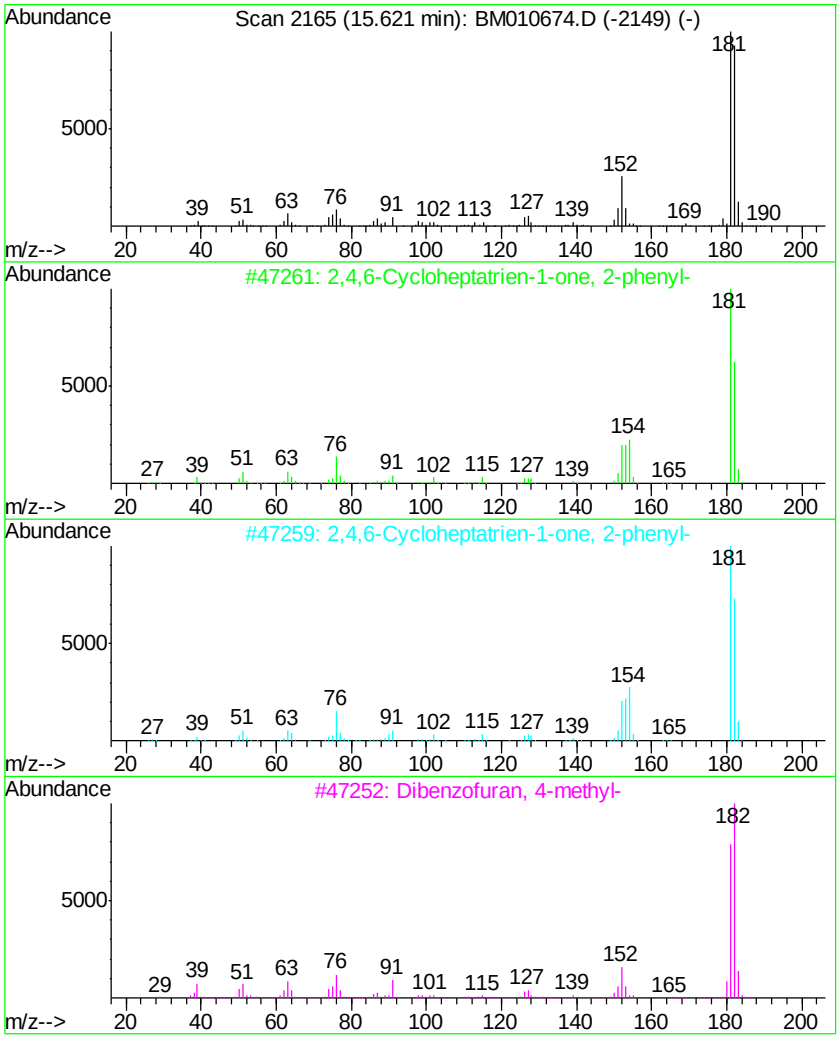
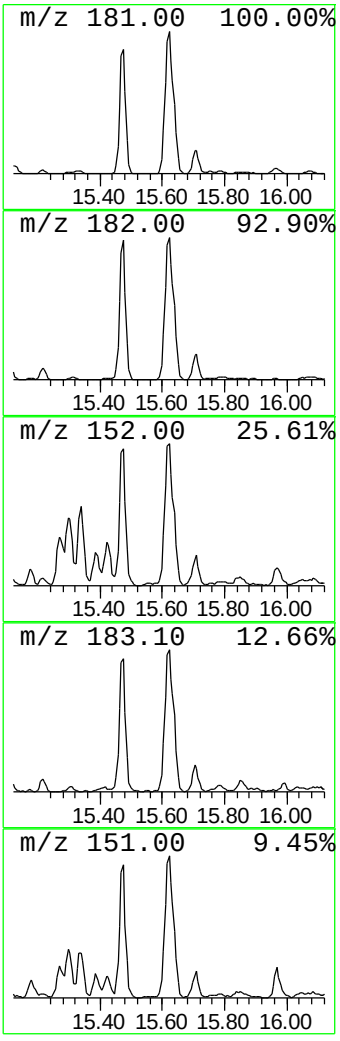
Peak Number 15 2,4,6-Cycloheptatrien-1-one... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	85.56 ng/ul	4652880	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Acq On : 22 Jun 2017 23:45
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Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

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Quant Title : SVOA CALIBRATION

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

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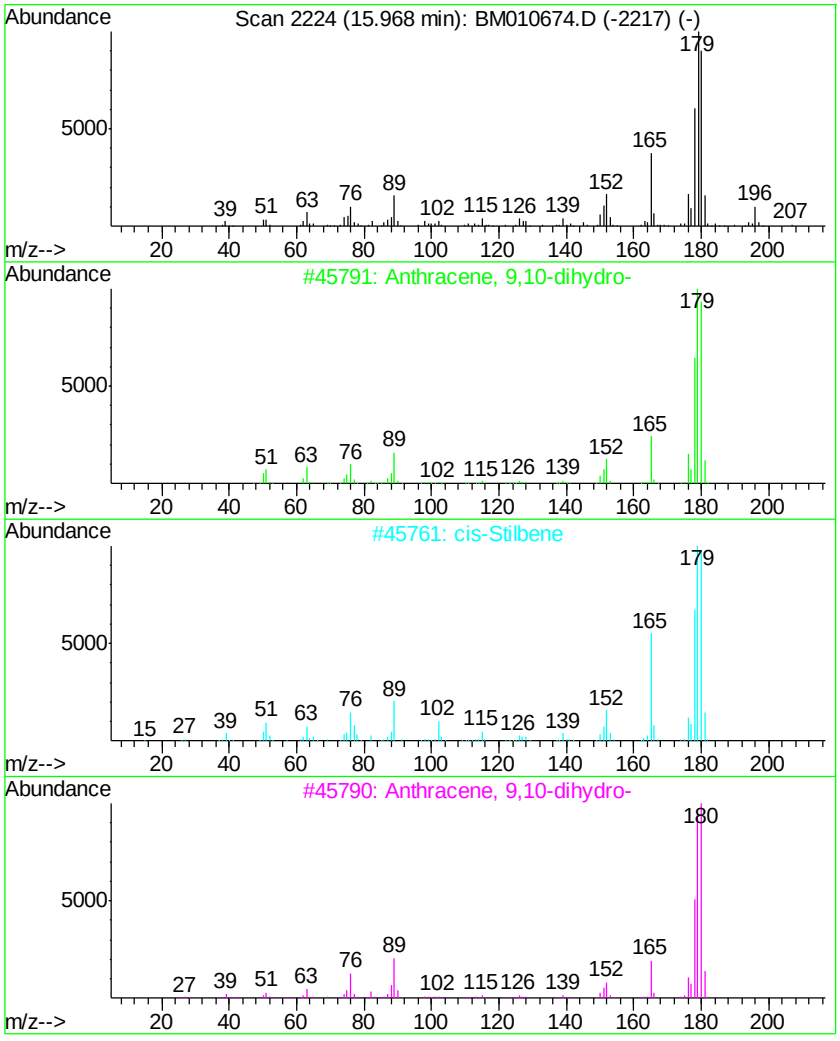
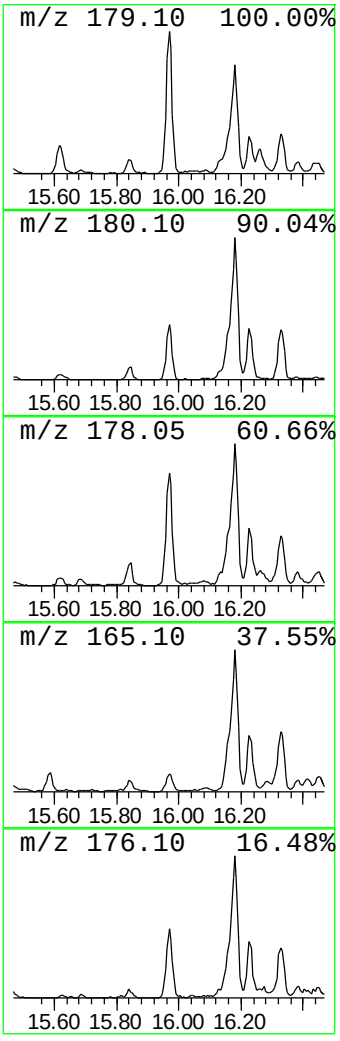
Peak Number 16 Anthracene, 9,10-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	20.49 ng/ul	1114530	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
2	cis-Stilbene	180	C14H12	000645-49-8	89
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89
4	(E)-Stilbene	180	C14H12	000103-30-0	89
5	(E)-Stilbene	180	C14H12	000103-30-0	89





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Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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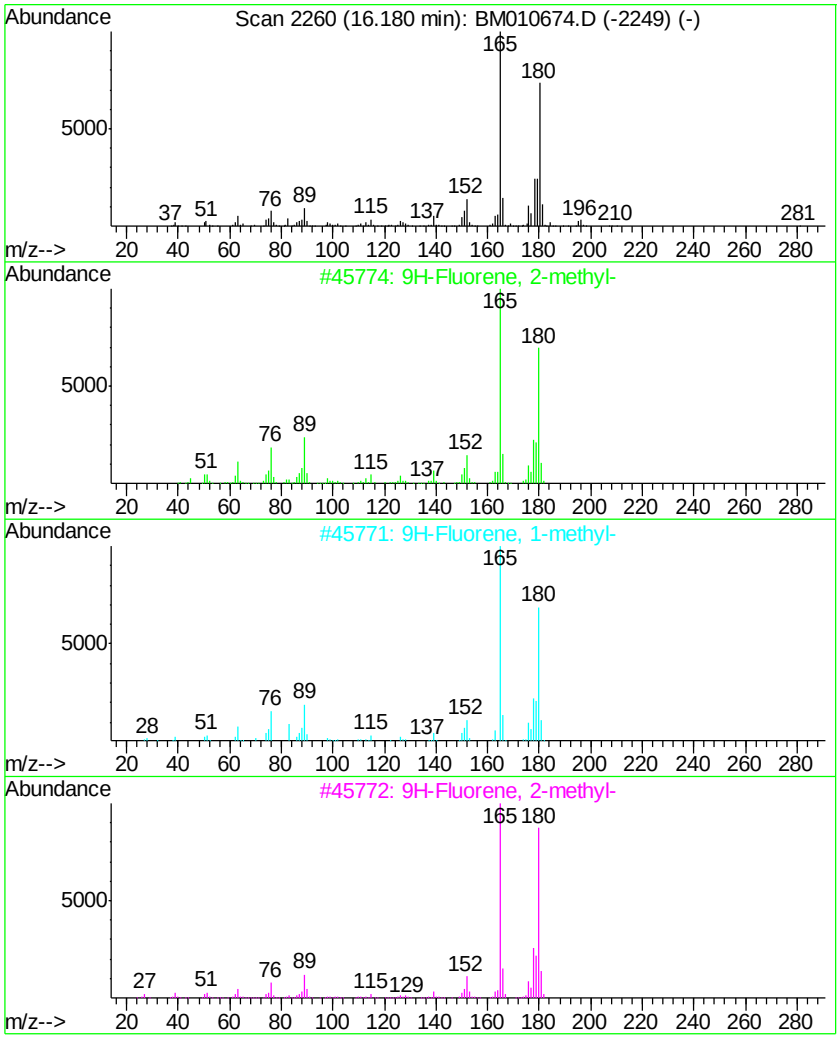
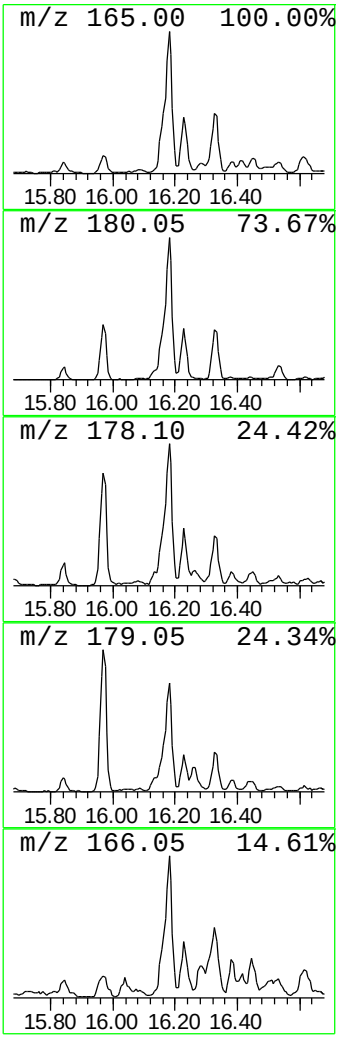
Peak Number 17 9H-Fluorene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	55.74 ng/ul	3031410	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





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Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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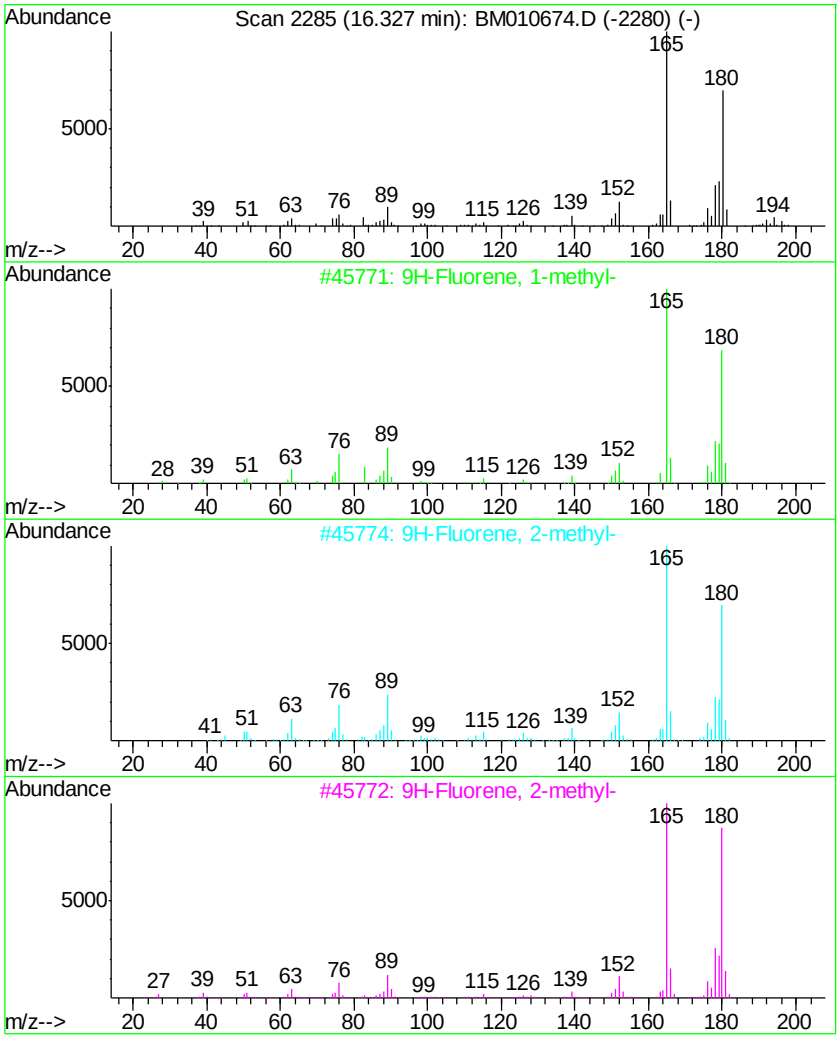
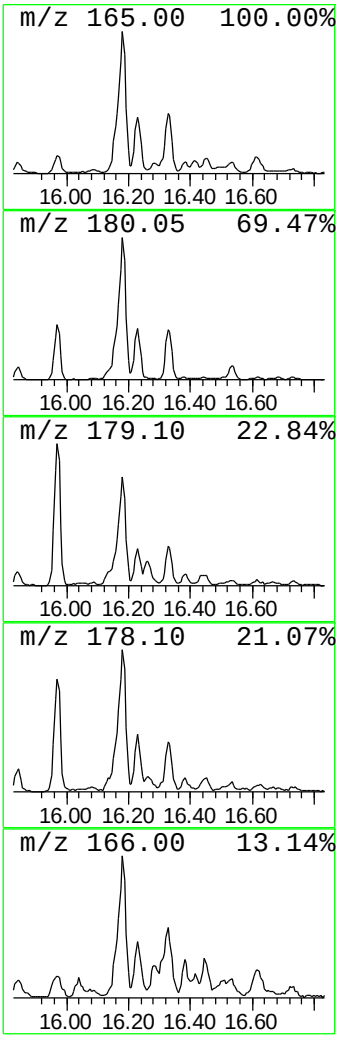
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	18.43 ng/ul	1002140	Phenanthrene-d10	16.87

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	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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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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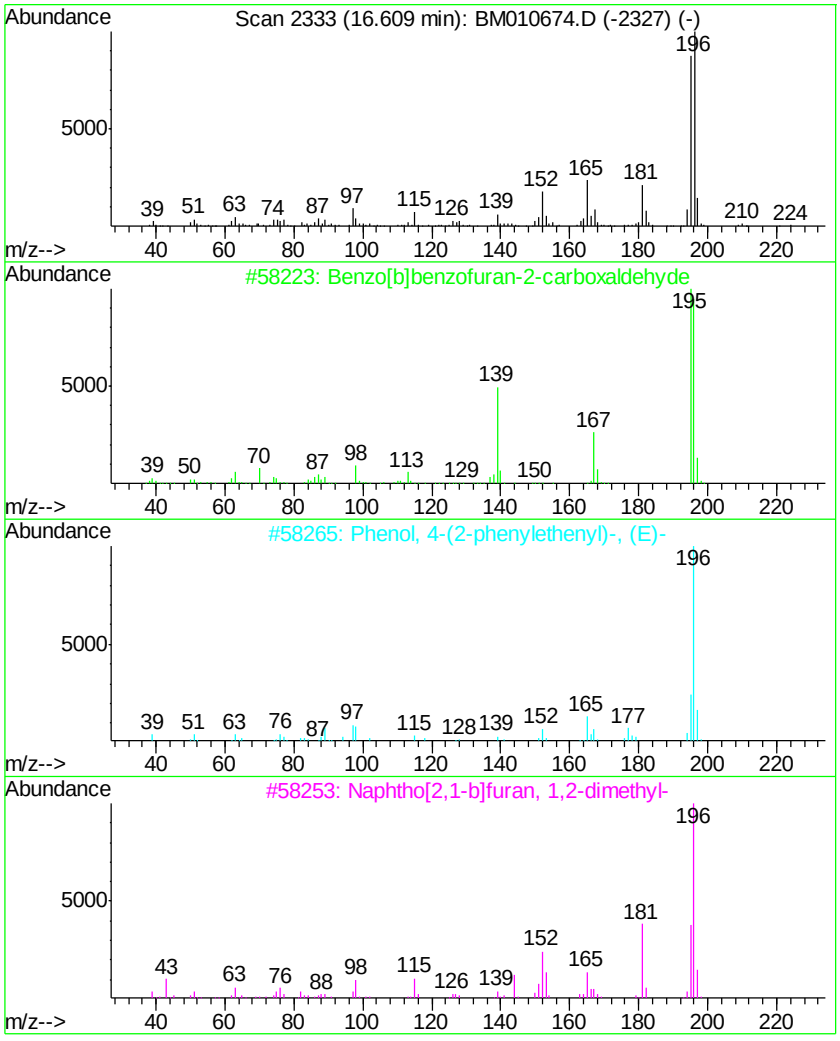
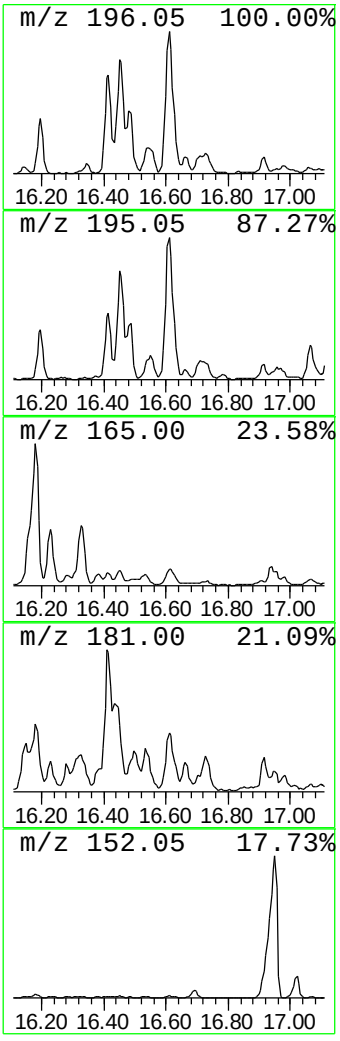
Peak Number 19 Benzo[b]benzofuran-2-carbox... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	25.88 ng/ul	1407610	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	70
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46





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Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

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Quant Title : SVOA CALIBRATION

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

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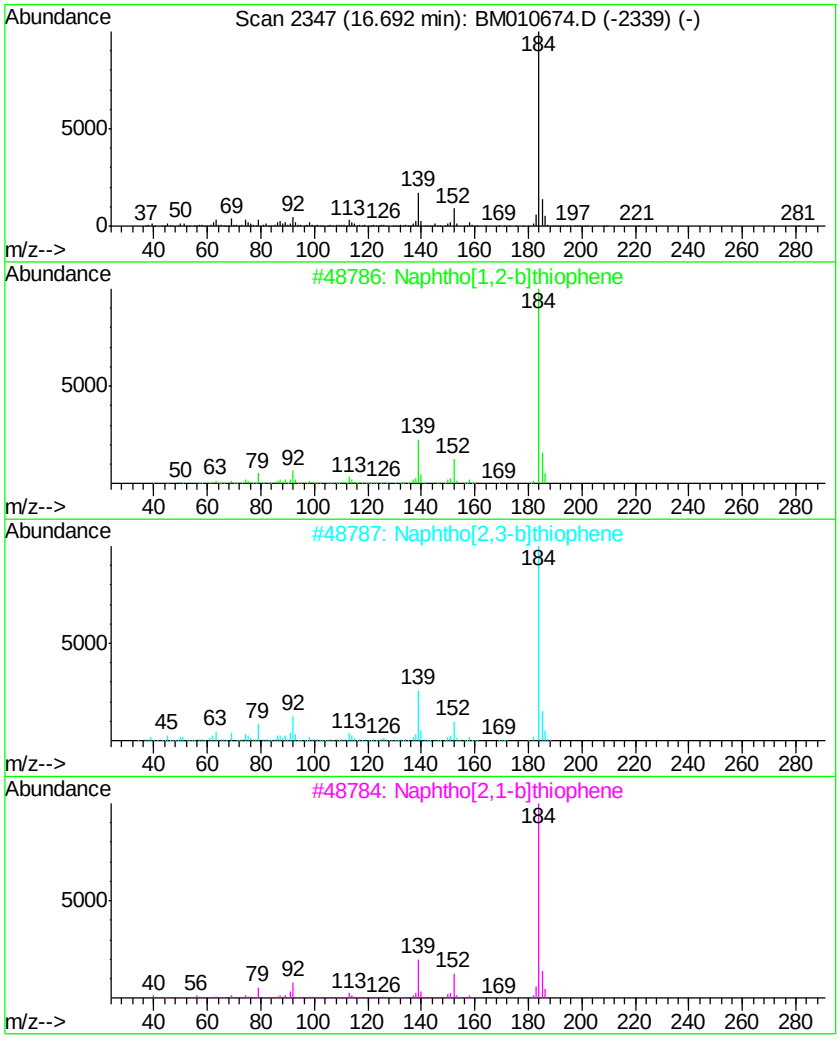
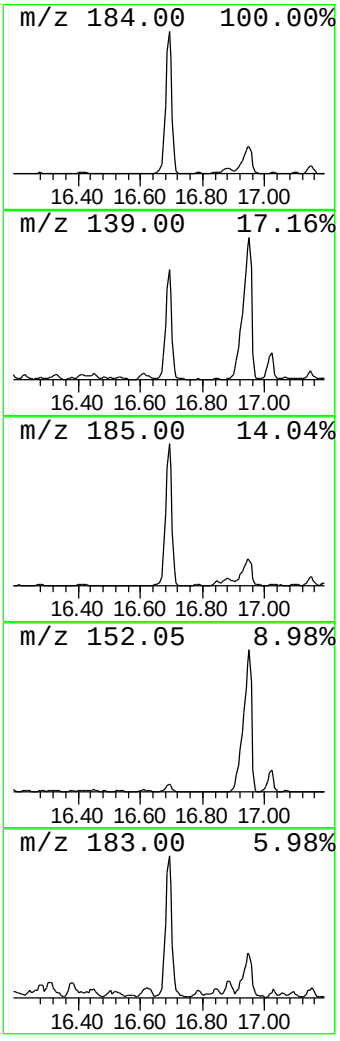
Peak Number 20 Naphtho[1,2-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	73.43 ng/ul	3993340	Phenanthrene-d10	16.87

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





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Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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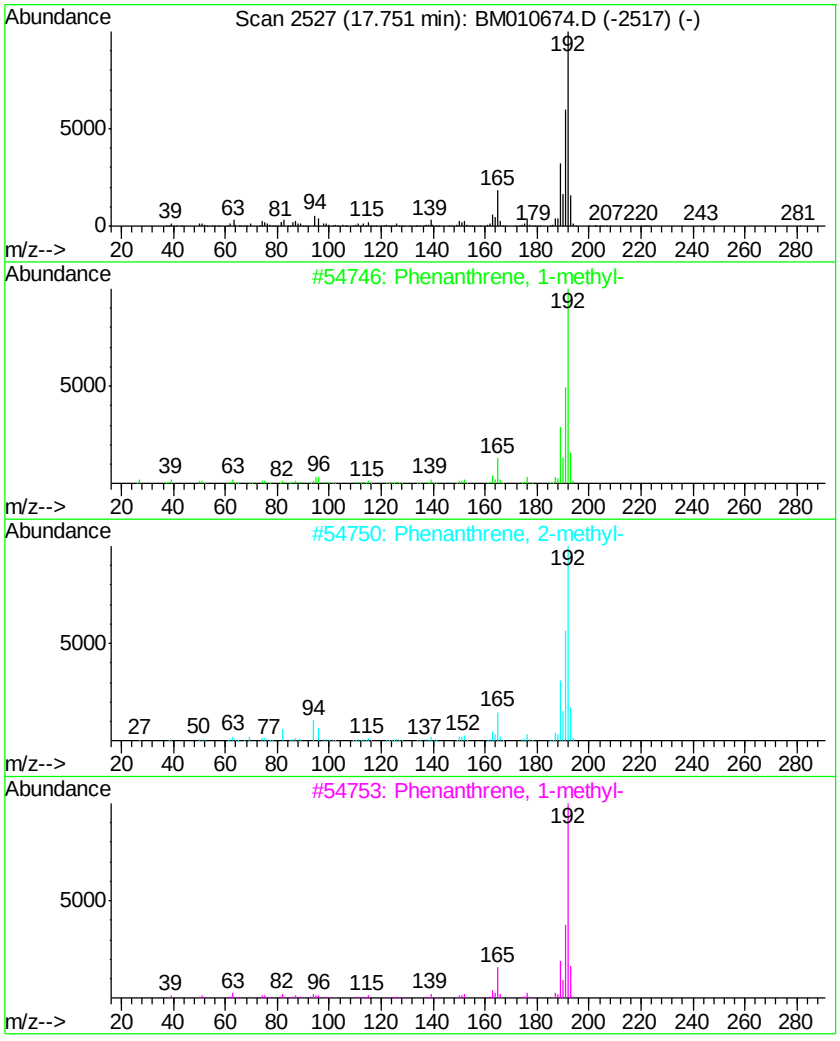
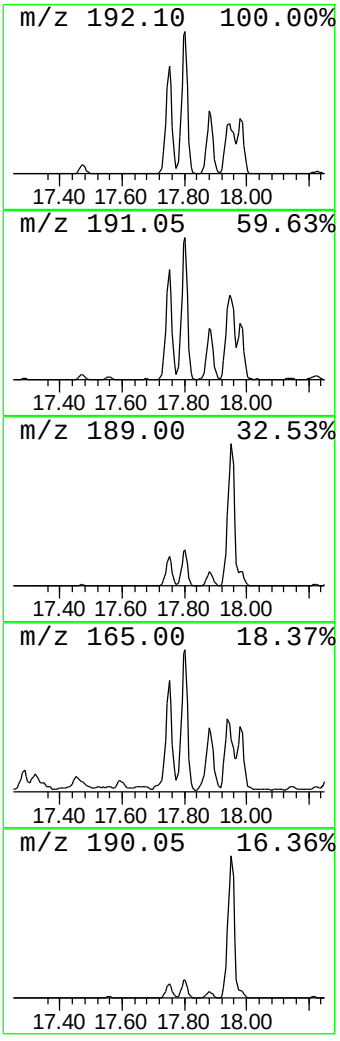
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	75.71 ng/ul	4117670	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

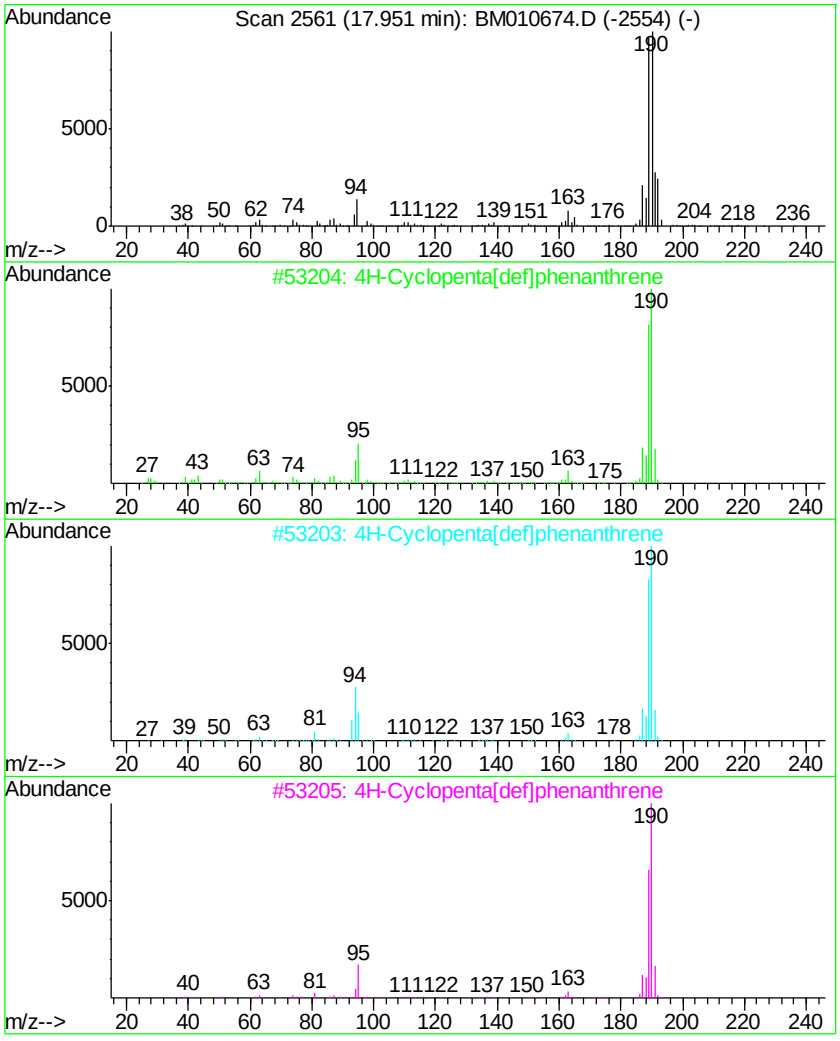
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

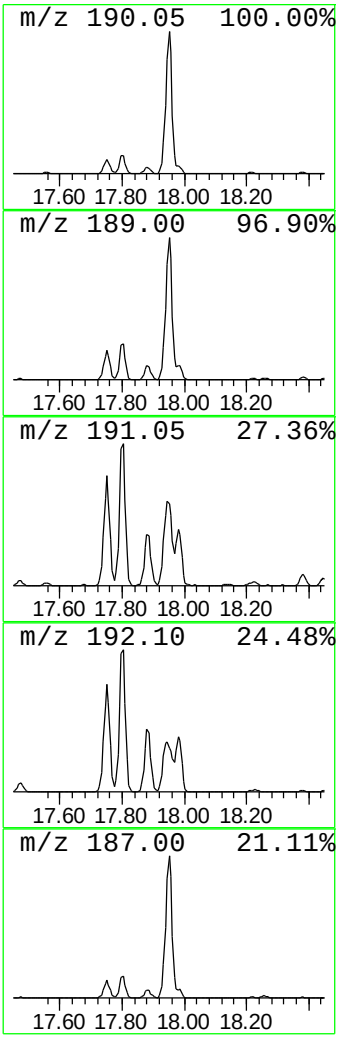
****

Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	158.18 ng/ul	8602250	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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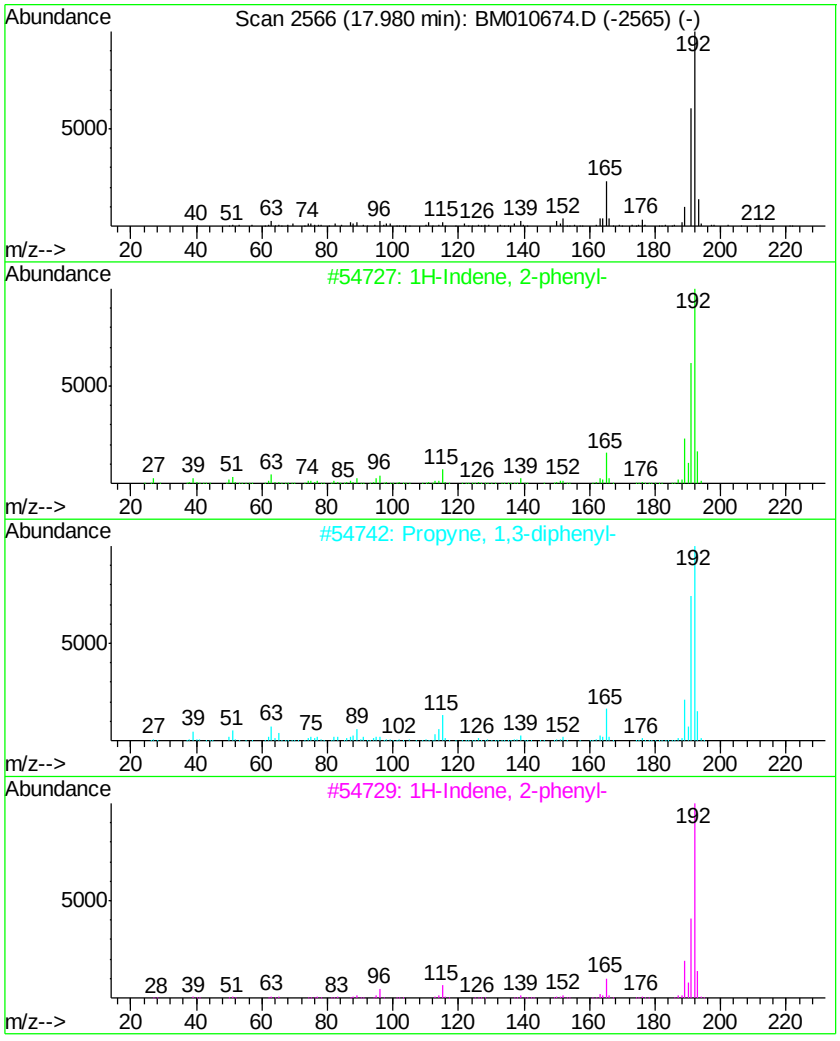
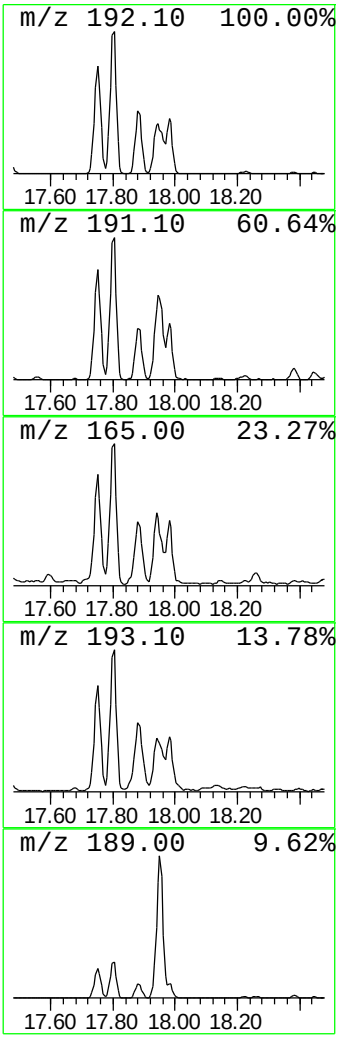
Peak Number 25 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	23.82 ng/ul	1295430	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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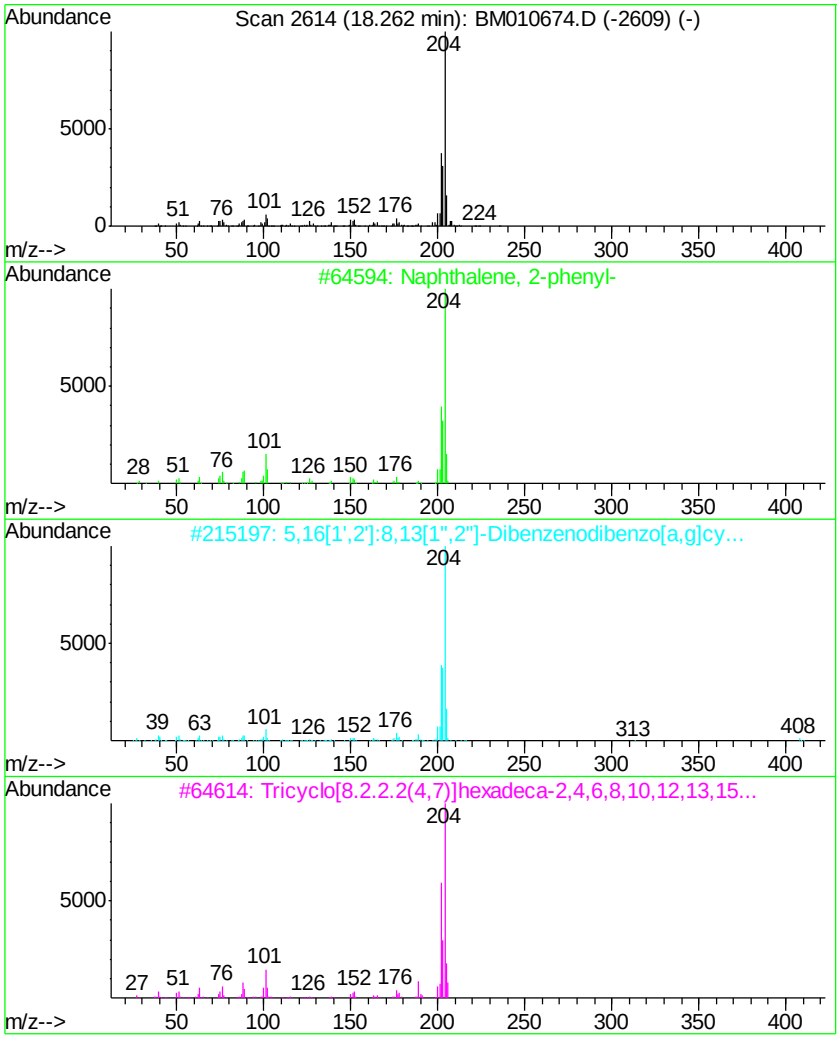
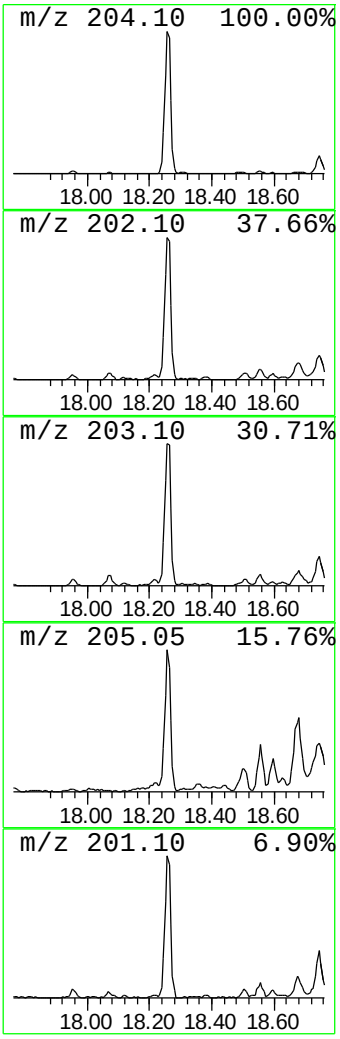
Peak Number 26 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	47.60 ng/ul	2588870	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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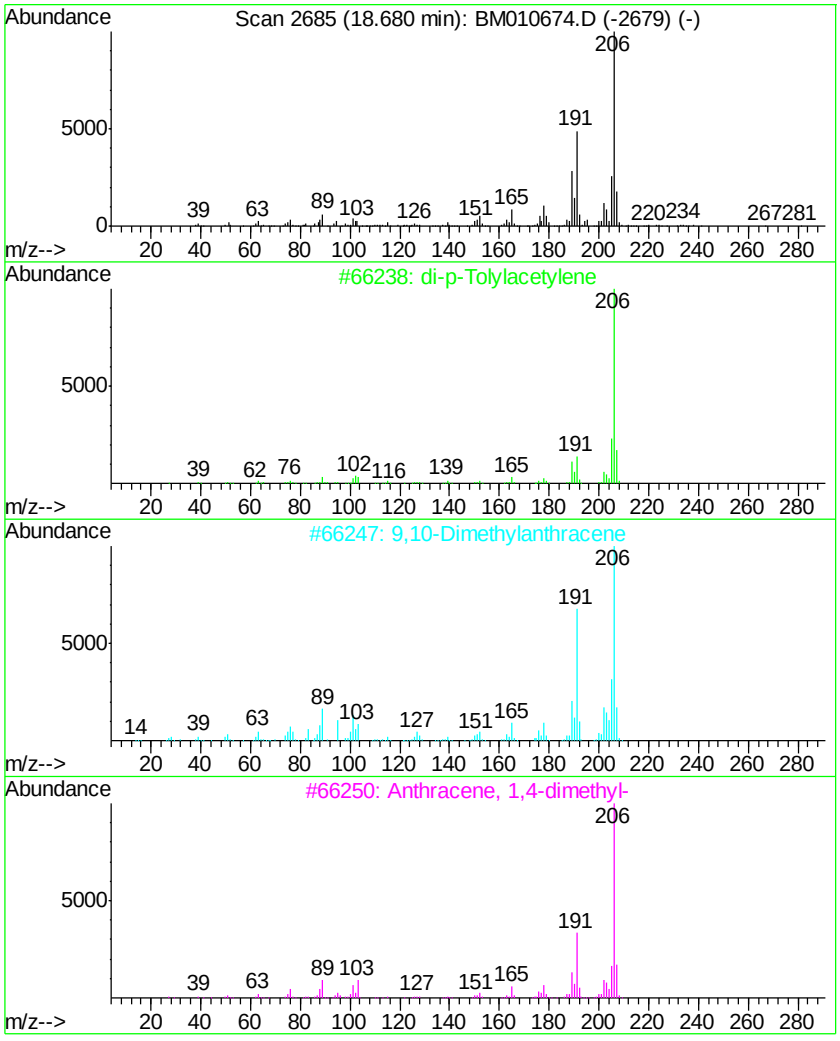
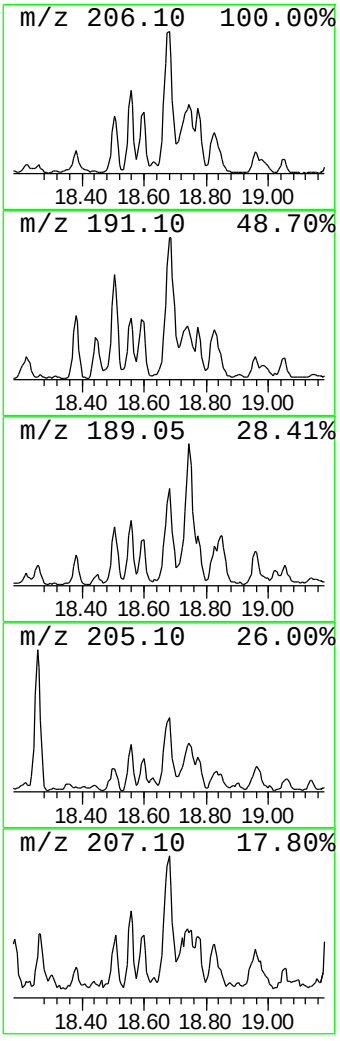
Peak Number 27 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	30.88 ng/ul	1679530	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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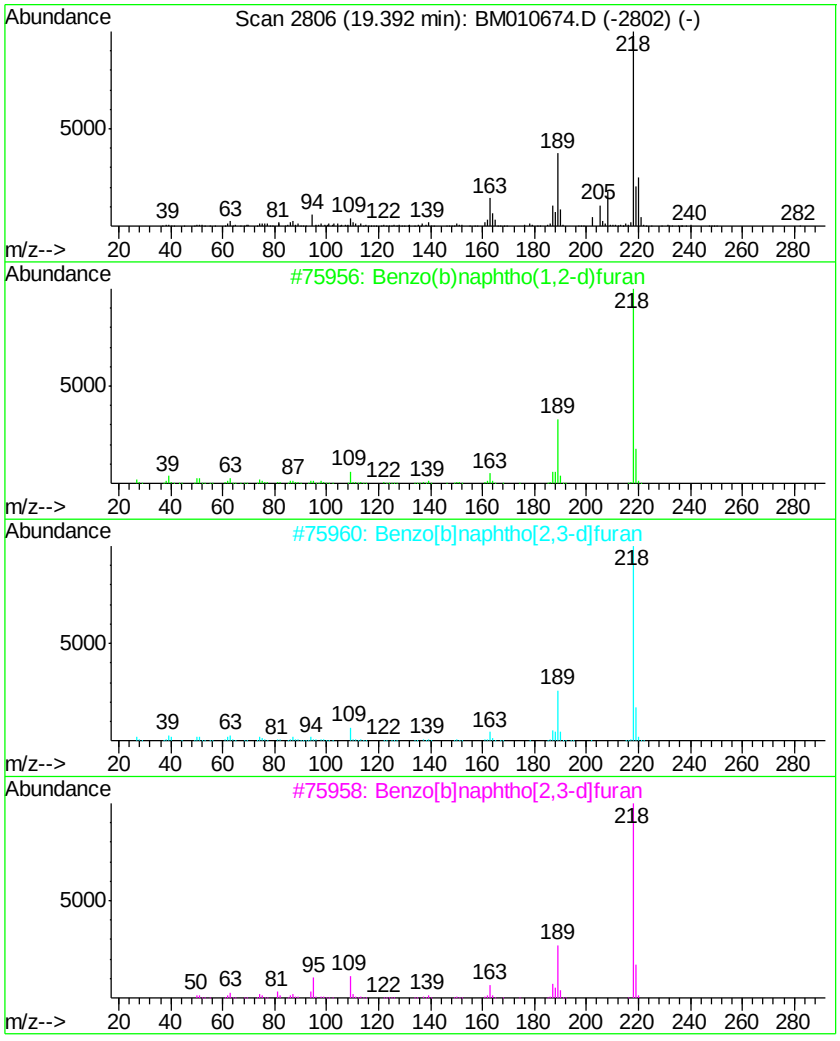
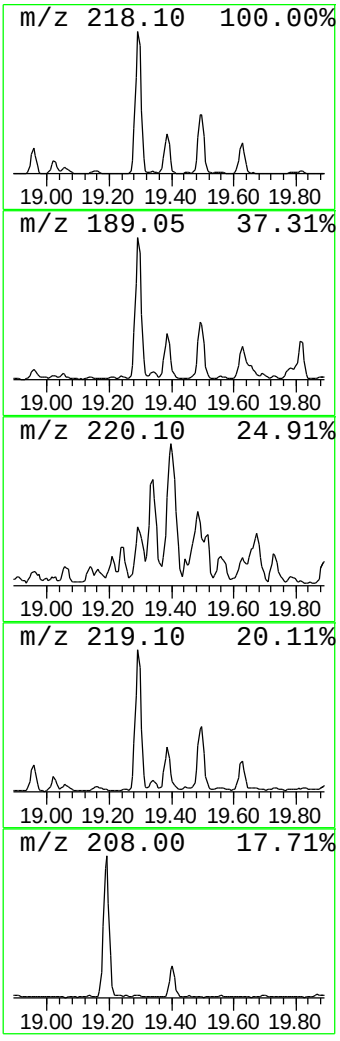
Peak Number 28 Benzo(b)naphtho(1,2-d)furan Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.62 ng/ul	1528790	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	93
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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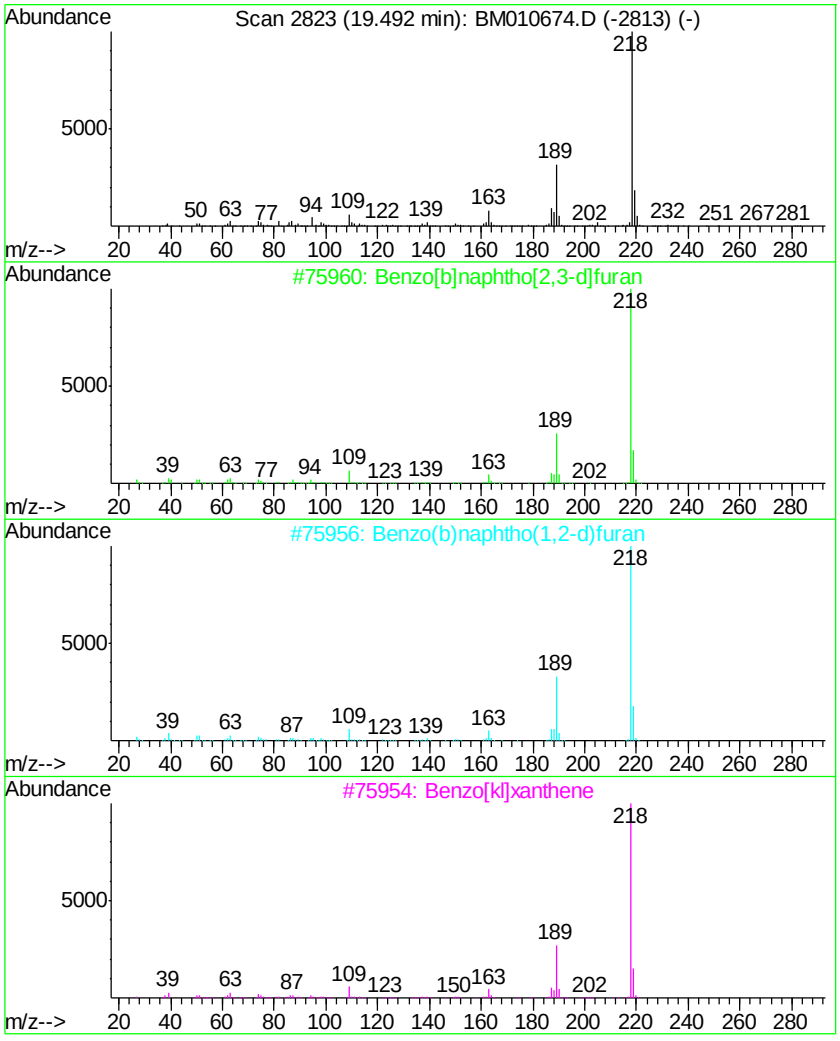
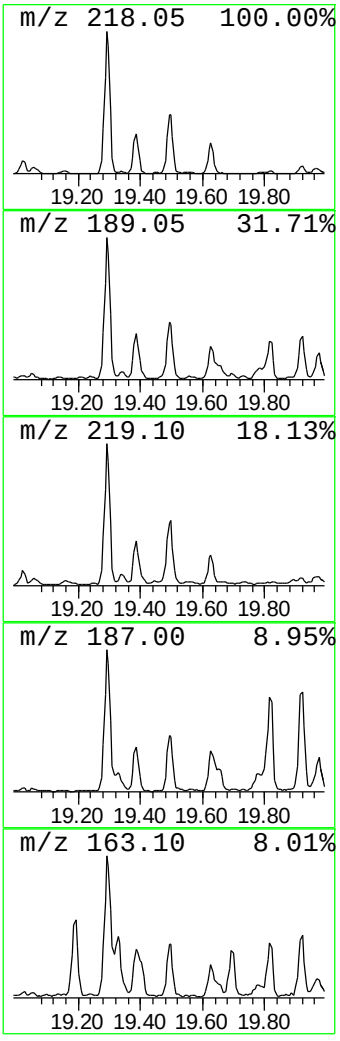
Peak Number 29 Benzo[b]naphtho[2,3-d]furan Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	3.09 ng/ul	1807240	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	96
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	95
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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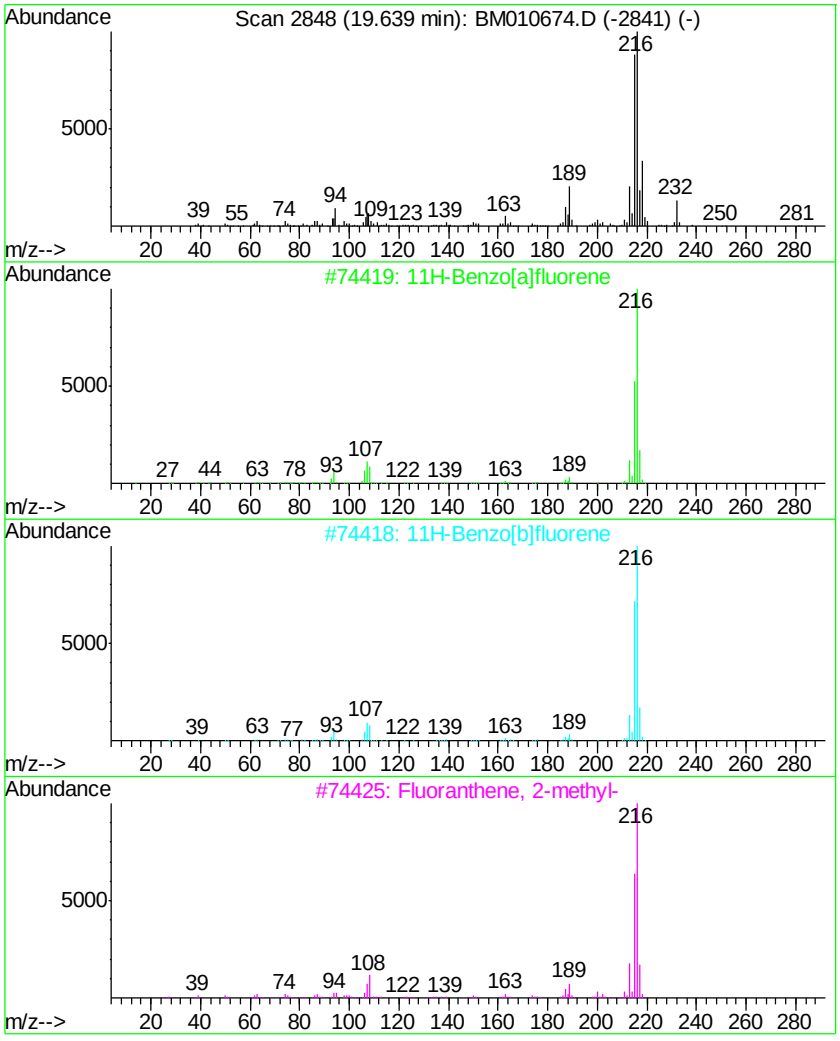
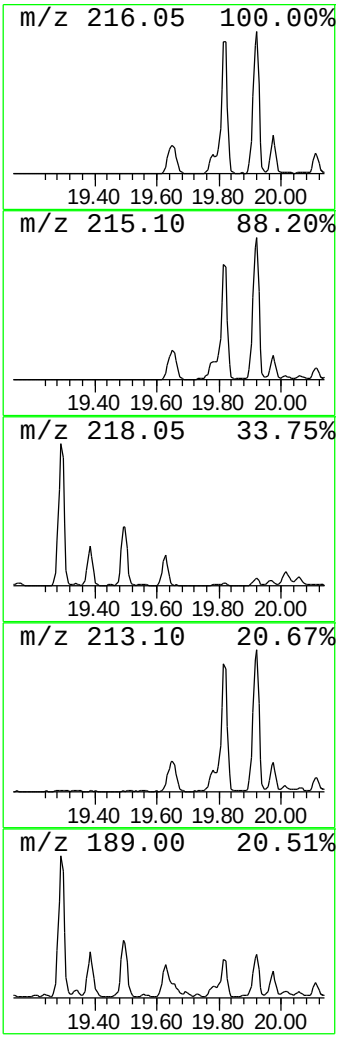
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	4.01 ng/ul	2340410	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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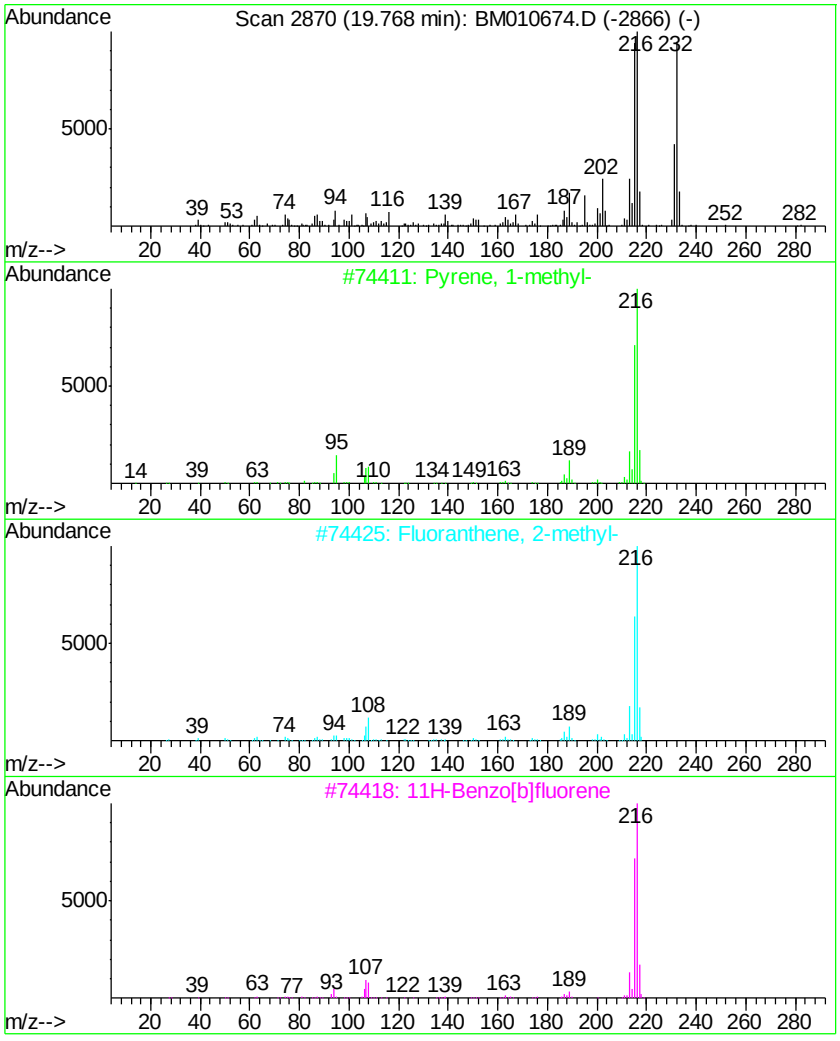
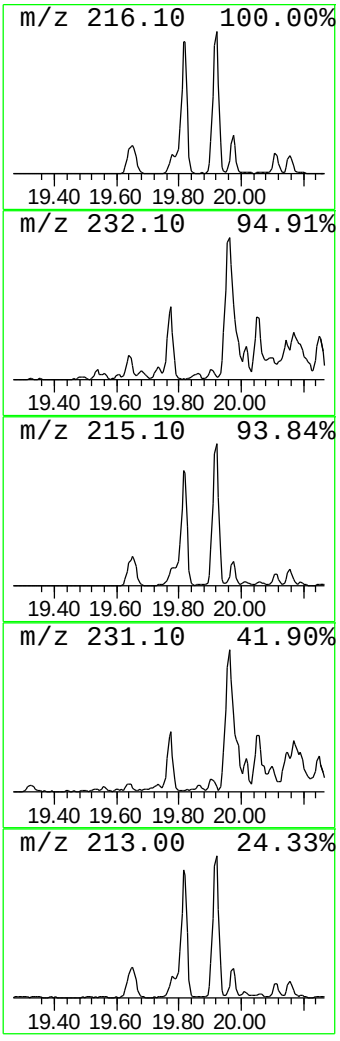
Peak Number 31 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.32 ng/ul	1357400	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
.alpha.-Pinene	6.17	10.7	ng/ul	1076740	1	7.46	2020510	20.0
Indane	7.83	20.0	ng/ul	2020510	1	7.46	2020510	20.0
Benzene, 1-propynyl-	7.99	30.3	ng/ul	3064970	1	7.46	2020510	20.0
Naphthalene, 1-me...	12.14	2.5	ng/ul	11802400	2	10.24	94365100	20.0
Naphthalene, 1-et...	13.13	14.6	ng/ul	2097860	3	14.12	2871060	20.0
Naphthalene, 2,7-...	13.27	19.4	ng/ul	2782090	3	14.12	2871060	20.0
Naphthalene, 2,6-...	13.49	19.1	ng/ul	2746830	3	14.12	2871060	20.0
Naphthalene, 1,3-...	13.67	11.4	ng/ul	1644320	3	14.12	2871060	20.0
1-Isopropenylnaph...	14.43	7.9	ng/ul	1130600	3	14.12	2871060	20.0
Fluorene, 2,4a-di...	15.34	16.1	ng/ul	2304910	3	14.12	2871060	20.0
Diphenylmethane	15.42	7.9	ng/ul	1127850	3	14.12	2871060	20.0
[1,1'-Biphenyl]-4...	15.47	20.4	ng/ul	2926230	3	14.12	2871060	20.0
2,4,6-Cycloheptat...	15.62	85.6	ng/ul	4652880	4	16.87	1087690	20.0
Anthracene, 9,10-...	15.97	20.5	ng/ul	1114530	4	16.87	1087690	20.0
9H-Fluorene, 2-me...	16.18	55.7	ng/ul	3031410	4	16.87	1087690	20.0
9H-Fluorene, 1-me...	16.33	18.4	ng/ul	1002140	4	16.87	1087690	20.0
Benzo[b]benzofura...	16.61	25.9	ng/ul	1407610	4	16.87	1087690	20.0
Naphtho[1,2-b]thi...	16.69	73.4	ng/ul	3993340	4	16.87	1087690	20.0
Phenanthrene, 1-m...	17.75	75.7	ng/ul	4117670	4	16.87	1087690	20.0
4H-Cyclopenta[def...	17.95	158.2	ng/ul	8602250	4	16.87	1087690	20.0
1H-Indene, 2-phenyl-	17.98	23.8	ng/ul	1295430	4	16.87	1087690	20.0
Naphthalene, 2-ph...	18.26	47.6	ng/ul	2588870	4	16.87	1087690	20.0
di-p-Tolylacetylene	18.68	30.9	ng/ul	1679530	4	16.87	1087690	20.0
Benzo(b)naphtho(1...	19.39	2.6	ng/ul	1528790	5	21.09	11685400	20.0
Benzo[b]naphtho[2...	19.49	3.1	ng/ul	1807240	5	21.09	11685400	20.0
11H-Benzo[a]fluorene	19.64	4.0	ng/ul	2340410	5	21.09	11685400	20.0
Pyrene, 1-methyl-	19.77	2.3	ng/ul	1357400	5	21.09	11685400	20.0