LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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	7.887	808	816	825	rBV	569808	922844	4.73%	0.739%
2	8.245	870	877	885	rBV2	117485	198304	1.02%	0.159%
3	10.686	1286	1292	1296	rBV	670707	1184331	6.07%	0.948%
4	10.739	1296	1301	1313	rVB	4180467	6640469	34.05%	5.315%
5	10.863	1315	1322	1328	rBV3	130948	239038	1.23%	0.191%
6	12.339	1566	1573	1584	rBV	2149771	3358689	17.22%	2.688%
7	12.563	1600	1611	1619	rBV	993932	1575044	8.08%	1.261%
8	13.351	1740	1745	1752	rVB	593987	847562	4.35%	0.678%
9	13.545	1772	1778	1789	rVB	248383	475538	2.44%	0.381%
10	13.674	1792	1800	1801	rBV2	398778	573684	2.94%	0.459%
11	13.833	1820	1827	1832	rBV	565425	1003847	5.15%	0.803%
12	13.886	1832	1836	1840	rVV	375698	559274	2.87%	0.448%
13	14.074	1861	1868	1871	rBV	254419	410122	2.10%	0.328%
14	14.239	1885	1896	1902	rBV5	179646	478265	2.45%	0.383%
15	14.486	1933	1938	1940	rBV	354566	481060	2.47%	0.385%
16	14.521	1940	1944	1950	rVV2	1071201	1684866	8.64%	1.349%
17	14.586	1950	1955	1962	rVB	2808772	4153138	21.29%	3.324%
18	14.721	1973	1978	1985	rVB4	109685	233696	1.20%	0.187%
19	14.921	2004	2012	2018	rVV	2270769	3409408	17.48%	2.729%
20	14.980	2018	2022	2027	rVB3	178274	268536	1.38%	0.215%
21	15.121	2039	2046	2051	rBV2	152358	276695	1.42%	0.221%
22	15.180	2051	2056	2060	rVV	157293	215647	1.11%	0.173%
23	15.298	2068	2076	2079	rBV5	141384	287566	1.47%	0.230%
24	15.574	2116	2123	2131	rVB	3314162	4729849	24.25%	3.786%
25	15.657	2131	2137	2140	rBV4	192726	323394	1.66%	0.259%
26	15.727	2145	2149	2154	rVB2	354073	489574	2.51%	0.392%
27	15.815	2160	2164	2167	rBV2	167984	245571	1.26%	0.197%
28	15.857	2167	2171	2177	rVB	612946	884199	4.53%	0.708%
29	16.004	2191	2196	2204	rBV	573961	1180333	6.05%	0.945%
30	16.198	2226	2229	2240	rVB7	117359	267086	1.37%	0.214%
31	16.562	2280	2291	2296	rBV2	449707	1057149	5.42%	0.846%
32	16.615	2296	2300	2305	rBV2	193969	290391	1.49%	0.232%
33	16.715	2312	2317	2321	rVB3	179464	271401	1.39%	0.217%
34	16.786	2321	2329	2333	rBV2	220608	461884	2.37%	0.370%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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	16.986	2357	2363	2374	rVV2	233944	633815	3.25%	0.507%
36	17.092	2376	2381	2391	rVB	795248	1247959	6.40%	0.999%
37	17.274	2405	2412	2415	rBV	1611086	2486833	12.75%	1.990%
38	17.321	2415	2420	2425	rVB	15405997	19504510	100.00%	15.612%
39	17.404	2430	2434	2440	rVB	1989647	2789453	14.30%	2.233%
40	17.692	2473	2483	2493	rVB	696925	1330800	6.82%	1.065%
41	17.780	2493	2498	2503	rBV	182063	319438	1.64%	0.256%
42	17.851	2506	2510	2519	rVB7	117623	287688	1.47%	0.230%
43	18.139	2545	2559	2563	rBV	931855	1409488	7.23%	1.128%
44	18.186	2563	2567	2573	rVV	1162654	1605634	8.23%	1.285%
45	18.268	2575	2581	2586	rVV	519406	746750	3.83%	0.598%
46	18.339	2586	2593	2597	rVV2	1359349	2421567	12.42%	1.938%
47	18.368	2597	2598	2605	rVB	471964	519795	2.66%	0.416%
48	18.639	2639	2644	2650	rVB	610056	892716	4.58%	0.715%
49	18.927	2689	2693	2696	rVB2	149455	196268	1.01%	0.157%
50	19.045	2704	2713	2718	rBV	384803	702132	3.60%	0.562%
51	19.115	2718	2725	2728	rBV5	154320	300427	1.54%	0.240%
52	19.327	2754	2761	2766	rBV	8852719	11411537	58.51%	9.134%
53	19.574	2799	2803	2810	rVB2	252321	449728	2.31%	0.360%
54	19.656	2810	2817	2819	rBV2	1412230	2427531	12.45%	1.943%
55	19.692	2819	2823	2829	rVV	5288064	7134404	36.58%	5.710%
56	19.750	2829	2833	2838	rVB	386106	537432	2.76%	0.430%
57	19.862	2848	2852	2857	rVB	336762	440906	2.26%	0.353%
58	19.998	2869	2875	2883	rBV4	420252	988915	5.07%	0.792%
59	20.074	2884	2888	2892	rVV	139600	230759	1.18%	0.185%
60	20.174	2893	2905	2910	rVB	995330	1886796	9.67%	1.510%
61	20.274	2917	2922	2925	rBV	1040161	1318554	6.76%	1.055%
62	20.333	2929	2932	2935	rVV	364524	468317	2.40%	0.375%
63	20.368	2935	2938	2941	rVB2	166180	200910	1.03%	0.161%
64	20.474	2952	2956	2960	rBV	205882	288778	1.48%	0.231%
65	20.515	2960	2963	2970	rVB2	240521	331845	1.70%	0.266%
66	20.786	3007	3009	3019	rVB9	136926	294051	1.51%	0.235%
67	20.874	3020	3024	3028	rBV6	159742	301165	1.54%	0.241%
68	21.086	3056	3060	3064	rBV	455040	660542	3.39%	0.529%
69	21.127	3064	3067	3070	rVV	360149	427347	2.19%	0.342%
70	21.162	3070	3073	3076	rVB	221303	262982	1.35%	0.210%
71	21.439	3112	3120	3123	rBV2	3761861	7204760	36.94%	5.767%

LSC Area Percent Report

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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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	3131	rVB	1780488	2195493	11.26%	1.757%
73	21.592	3143	3146	3153	rBV	412364	571111	2.93%	0.457%
74	23.062	3390	3396	3401	rBV	905856	2222099	11.39%	1.779%
75	23.562	3477	3481	3486	rBV	480678	842038	4.32%	0.674%
76	23.662	3494	3498	3505	rVB	762000	1386227	7.11%	1.110%
77	23.774	3510	3517	3522	rBV	1702246	3377278	17.32%	2.703%

Sum of corrected areas: 124935232

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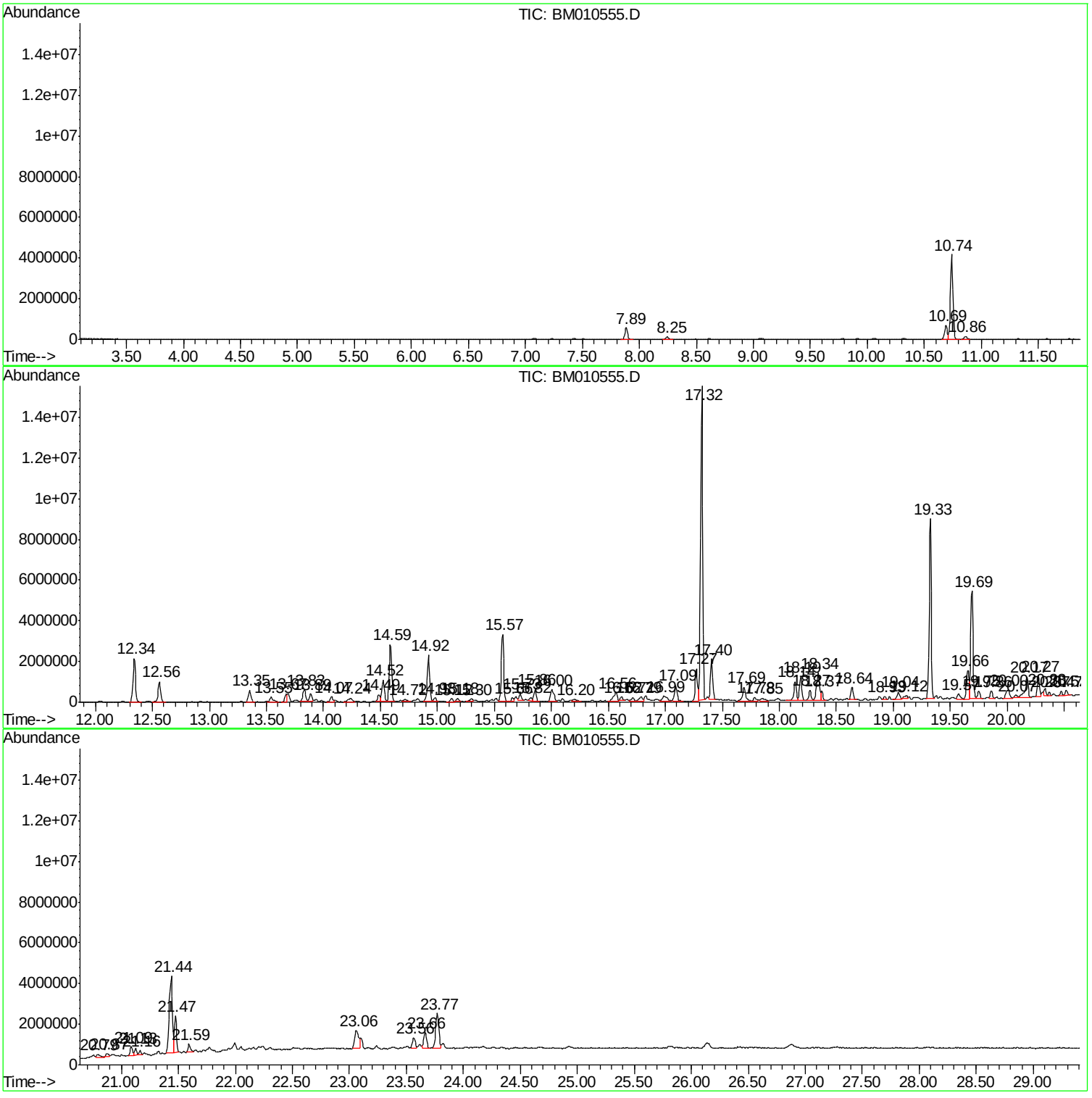
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C63DL

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\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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

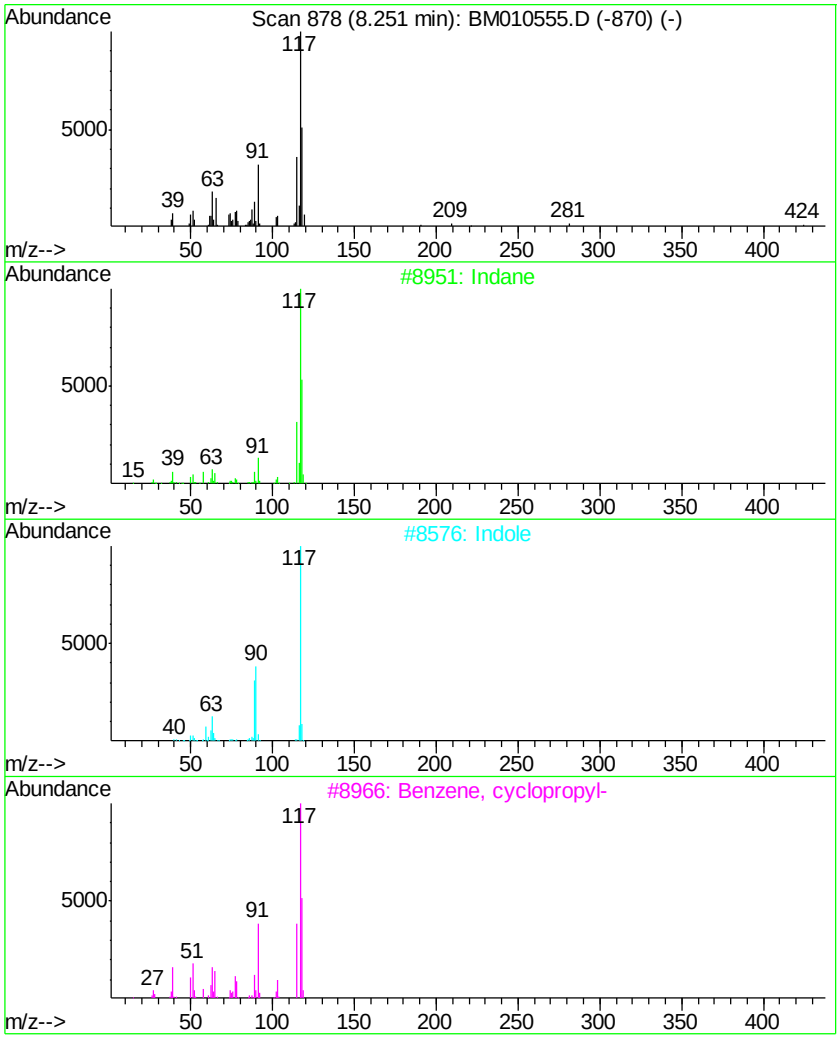
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

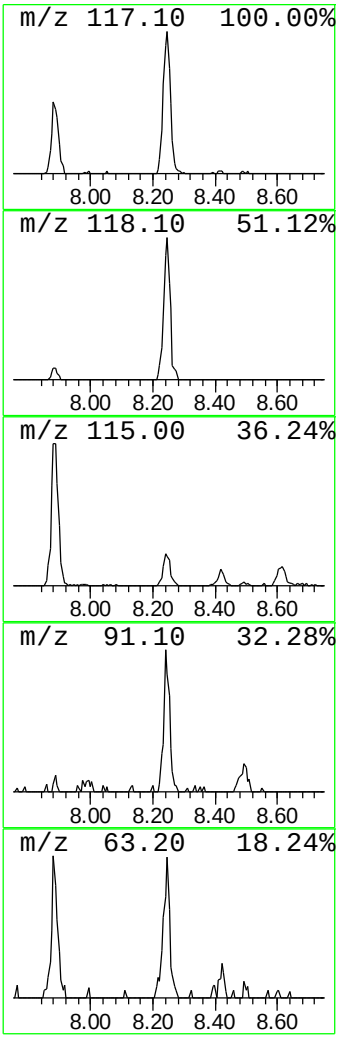
****

Peak Number 1 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	4.30 ng/ul	198304	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	74
2	Indole	117	C8H7N	000120-72-9	53
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	52
4	Benzene, 1-isocyano-2-methyl-	117	C8H7N	010468-64-1	50
5	Indole	117	C8H7N	000120-72-9	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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

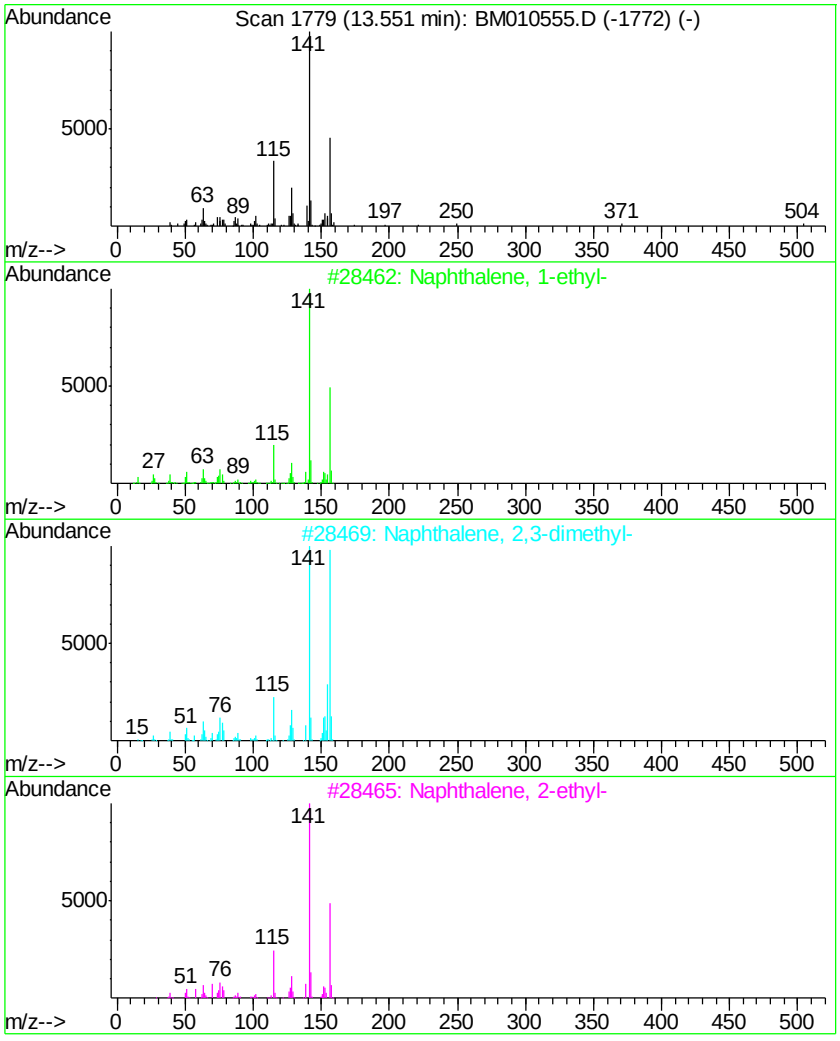
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

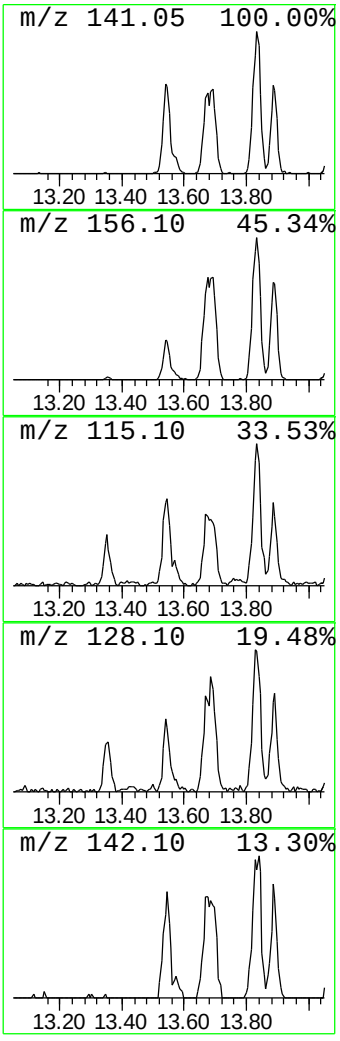
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	5.64 ng/ul	475538	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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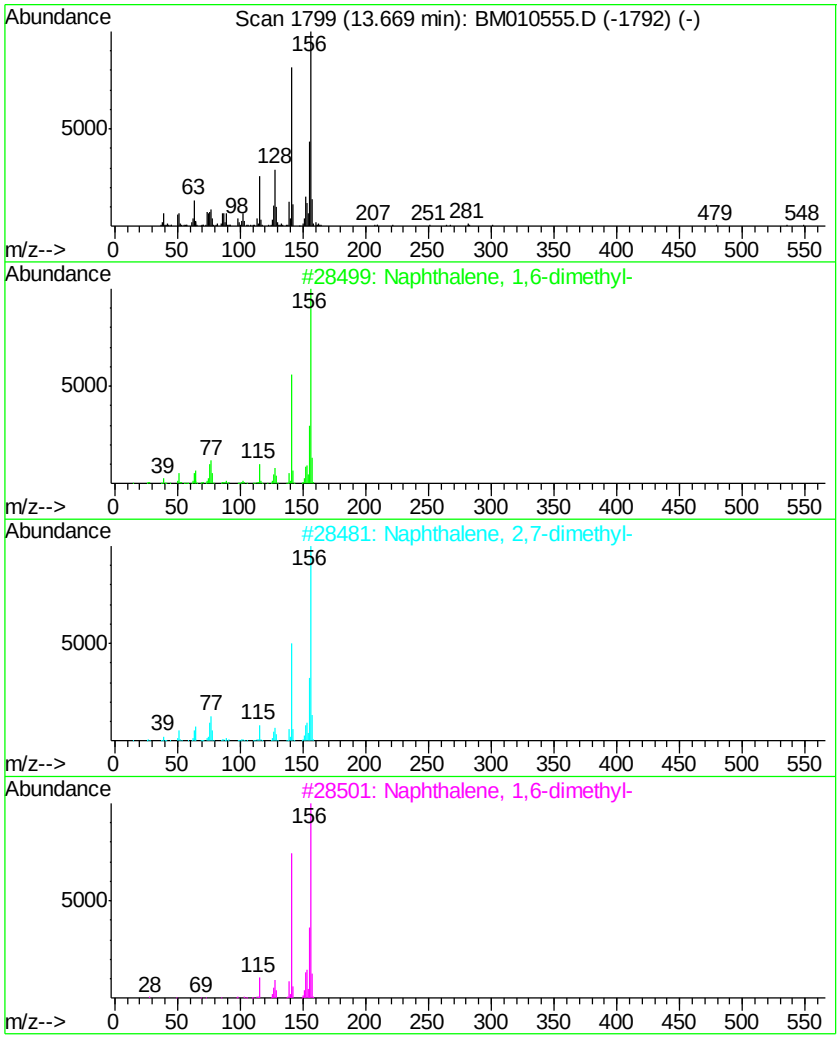
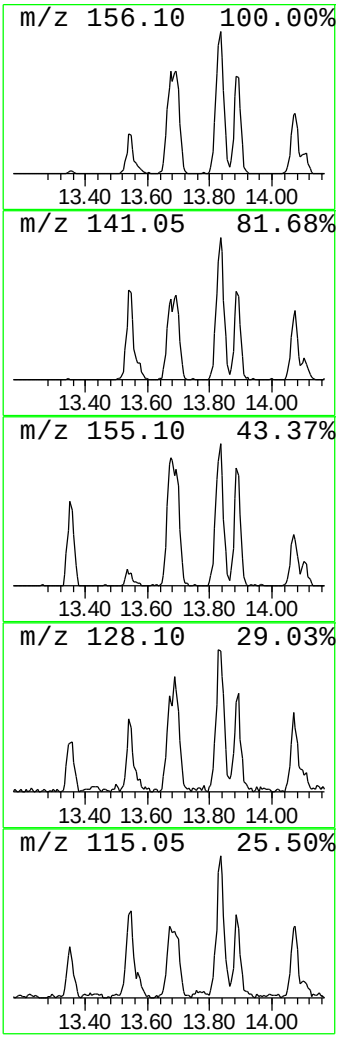
Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	6.81 ng/ul	573684	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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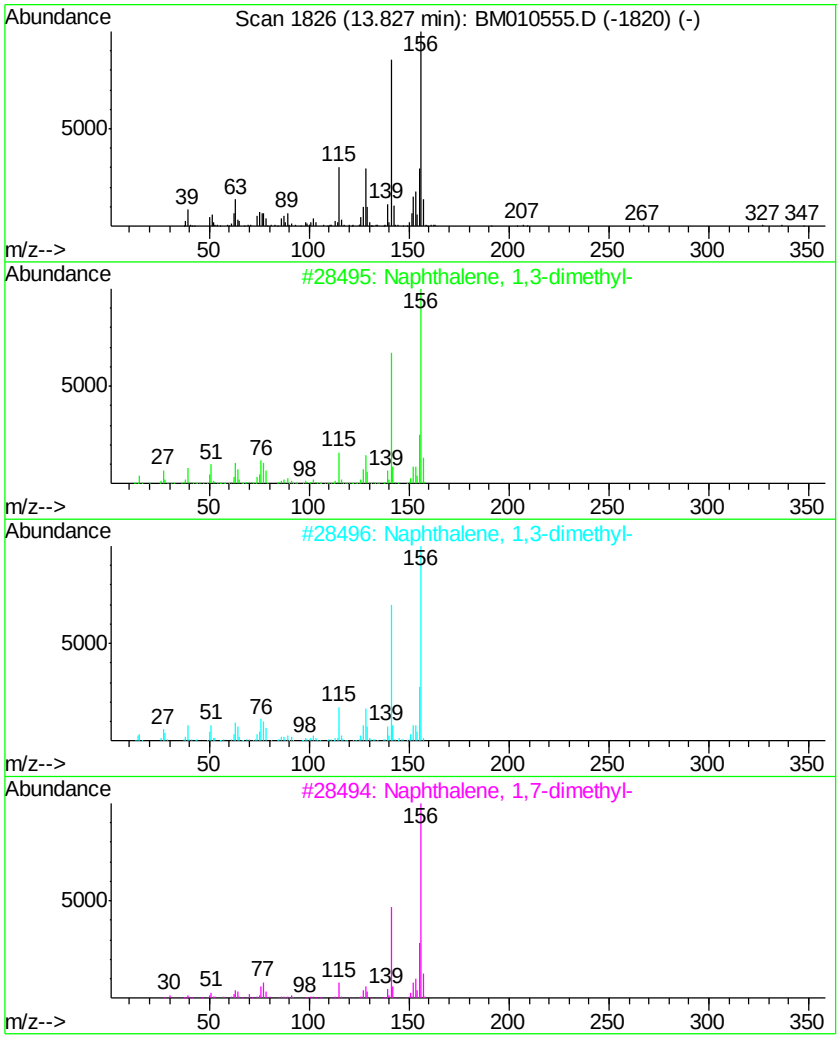
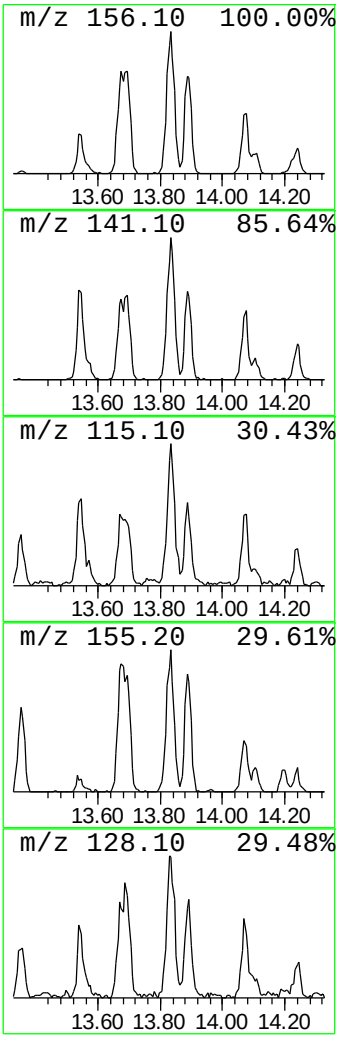
Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	11.92 ng/ul	1003850	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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

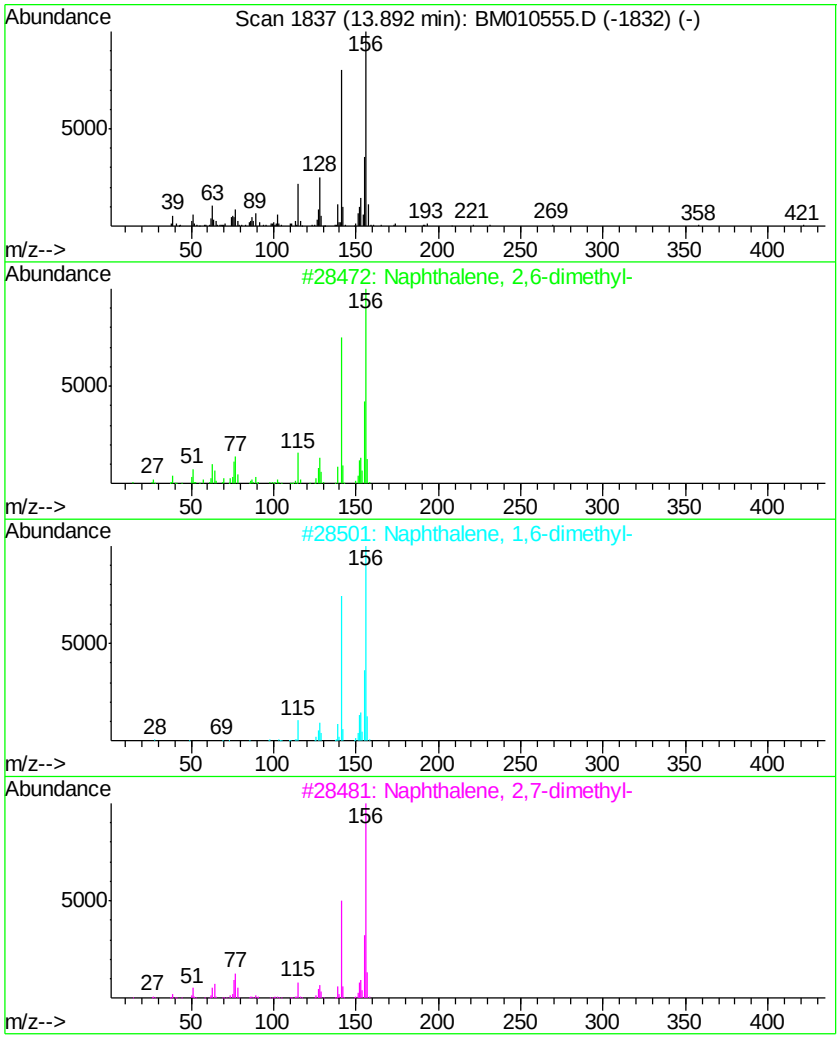
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

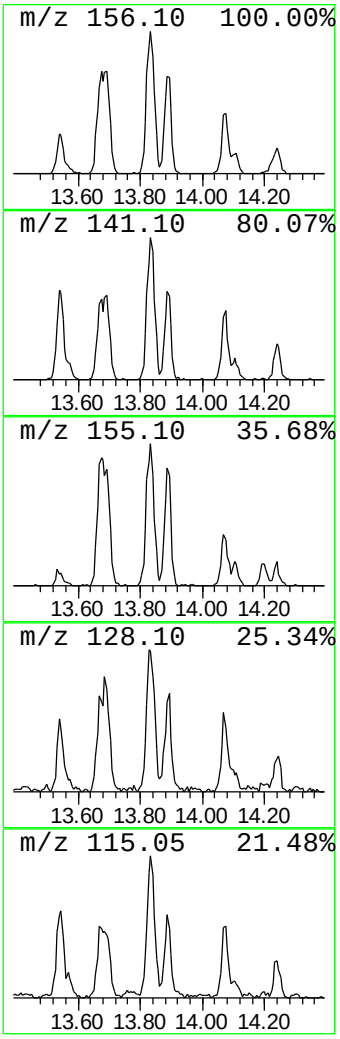
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	6.64 ng/ul	559274	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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

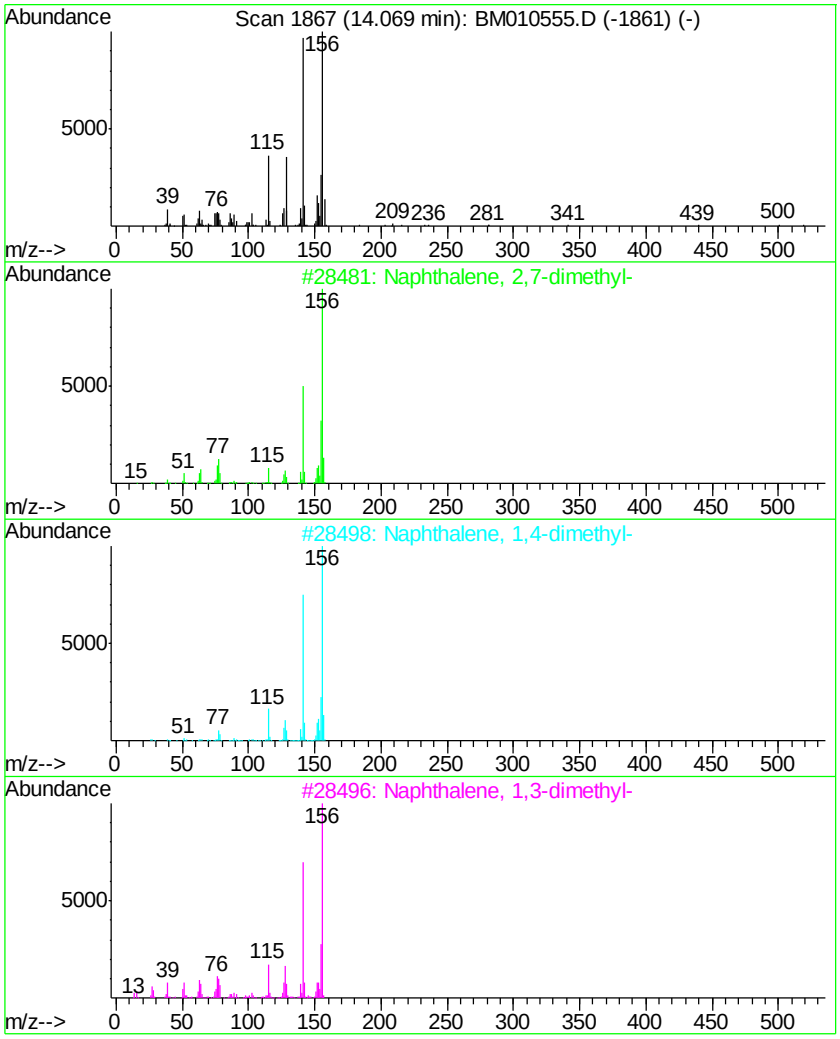
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

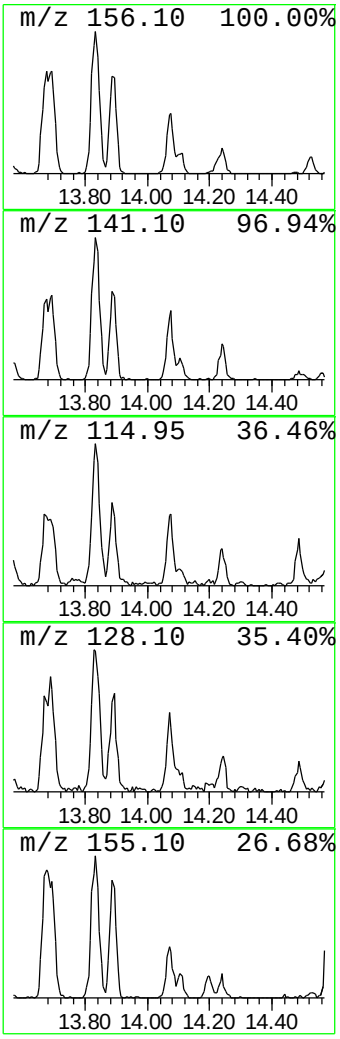
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	4.87 ng/ul	410122	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, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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Quant Title : SVOA CALIBRATION

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

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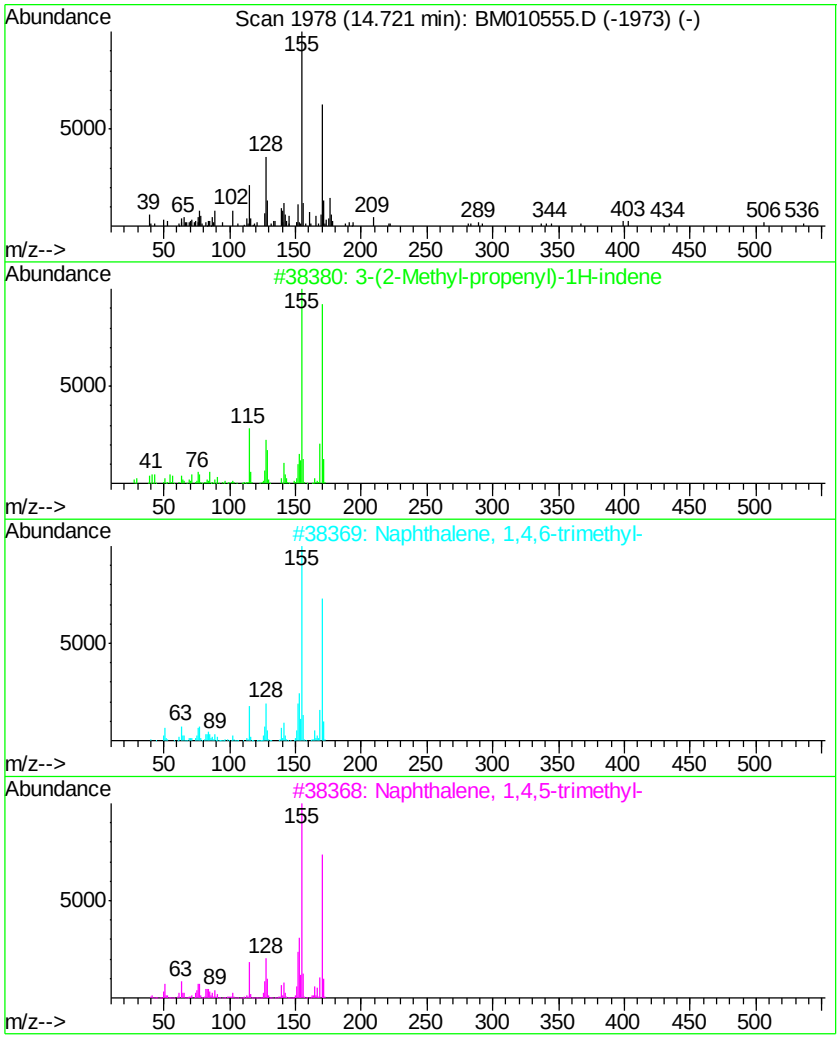
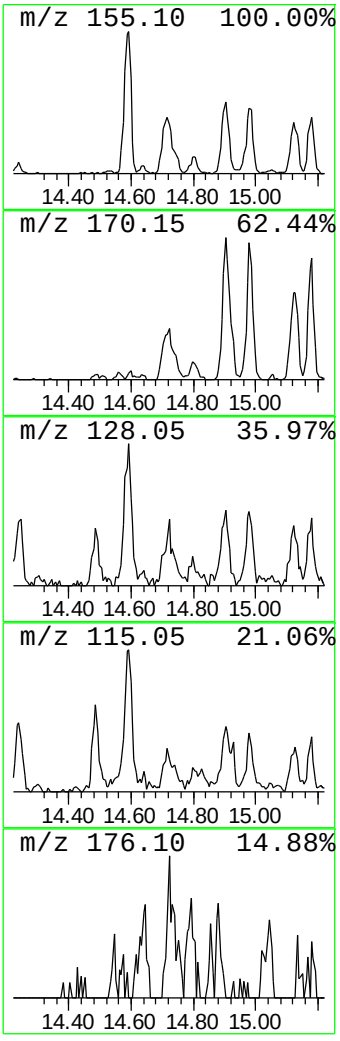
Peak Number 8 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.77 ng/ul	233696	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	72
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	72
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	64





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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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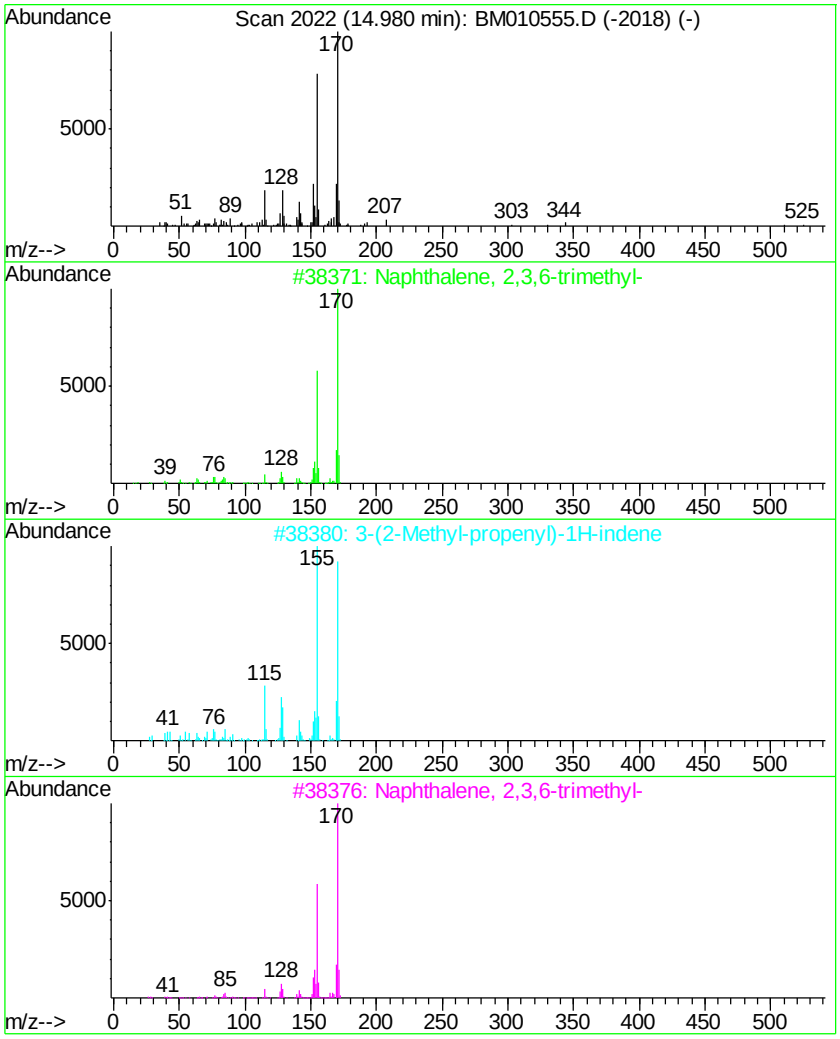
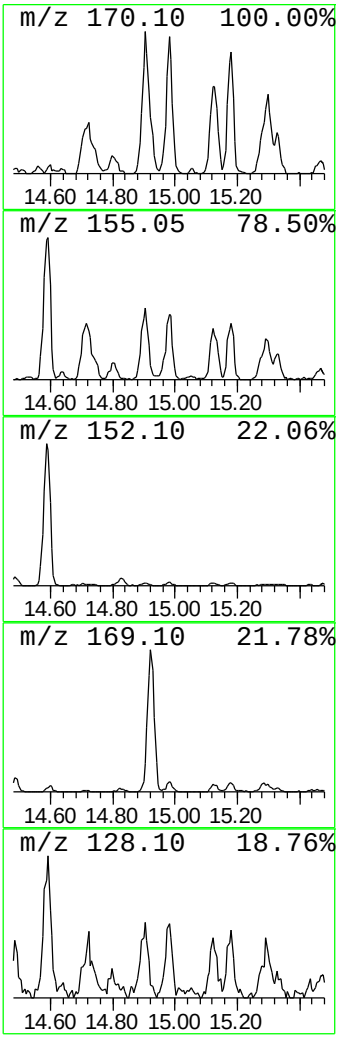
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	3.19 ng/ul	268536	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83





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Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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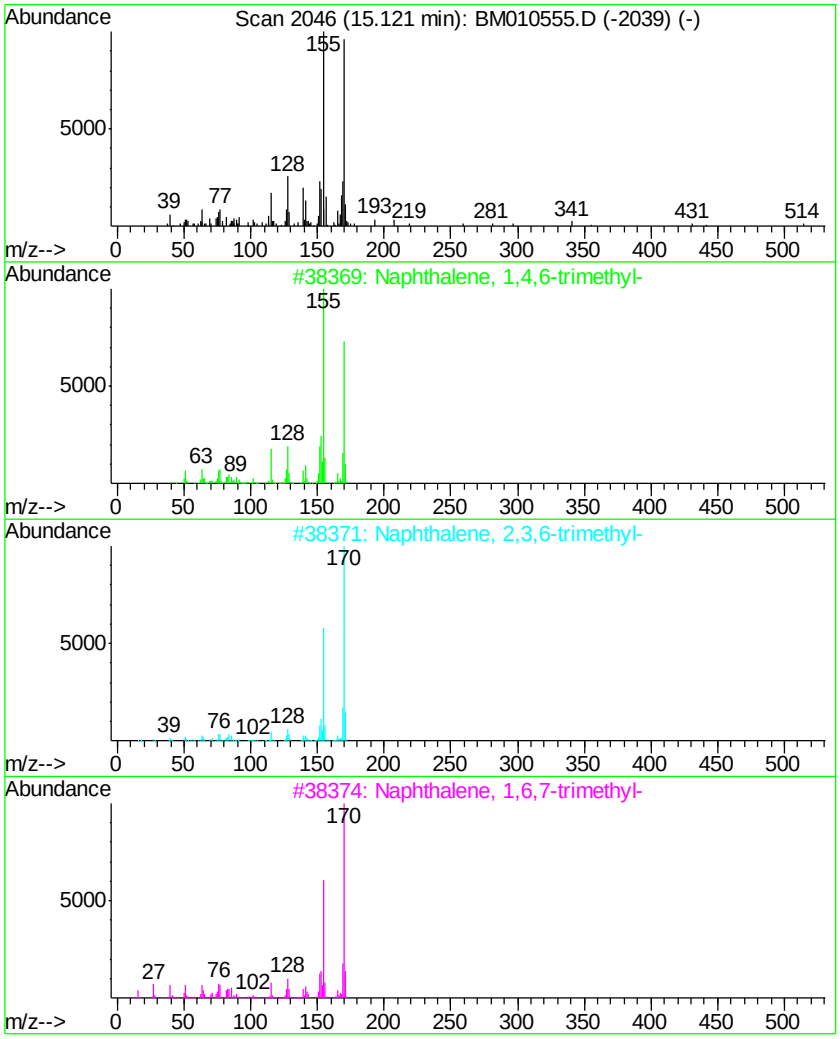
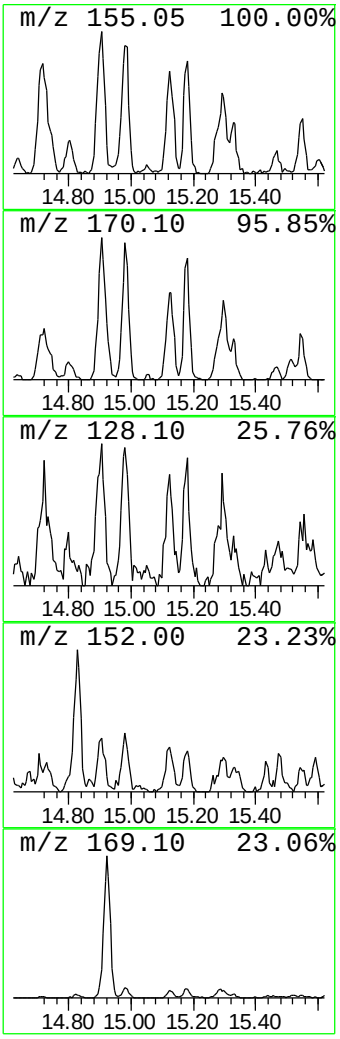
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.28 ng/ul	276695	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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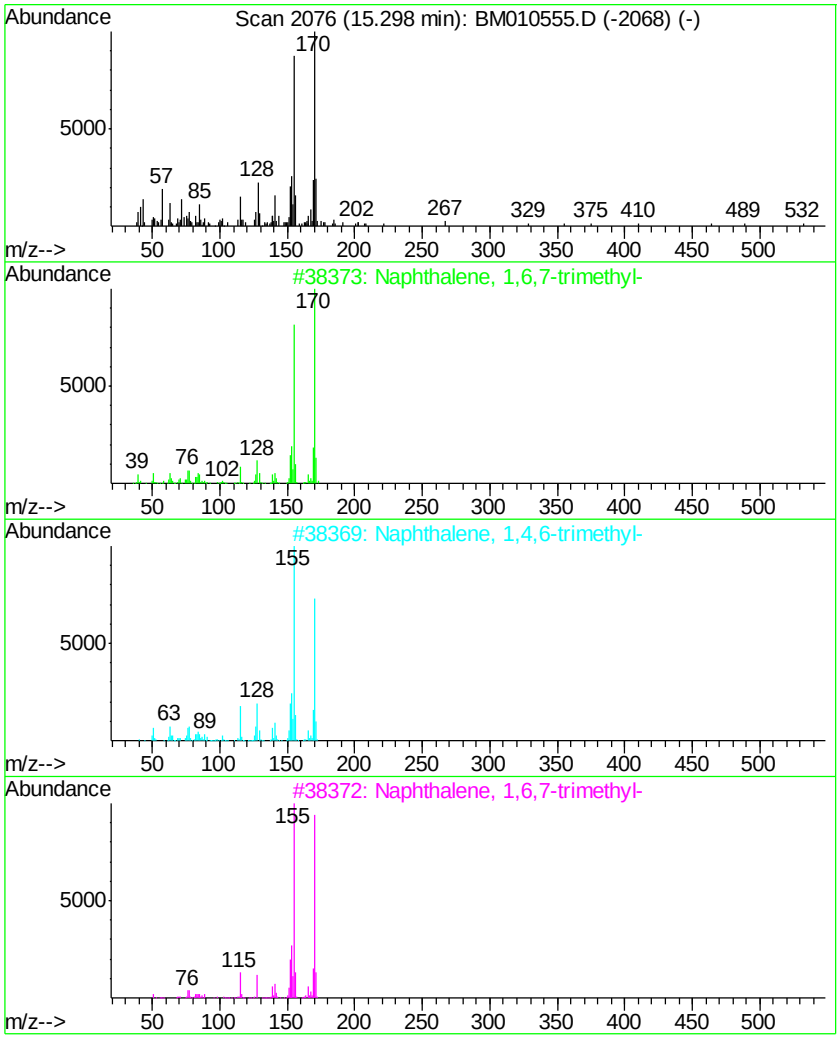
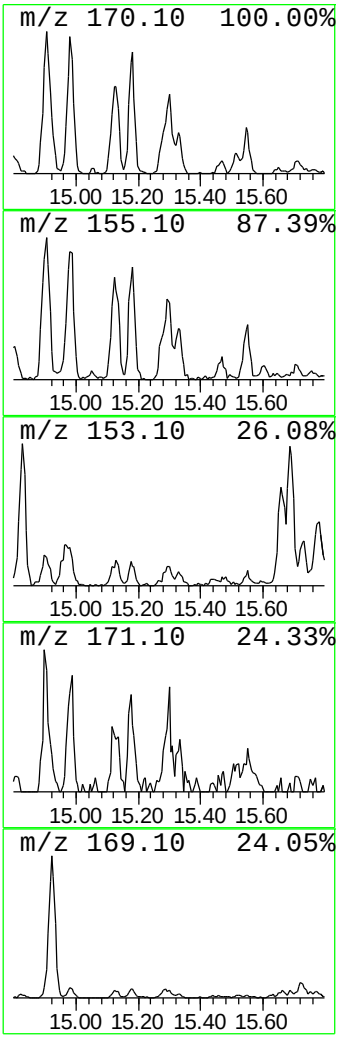
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.41 ng/ul	287566	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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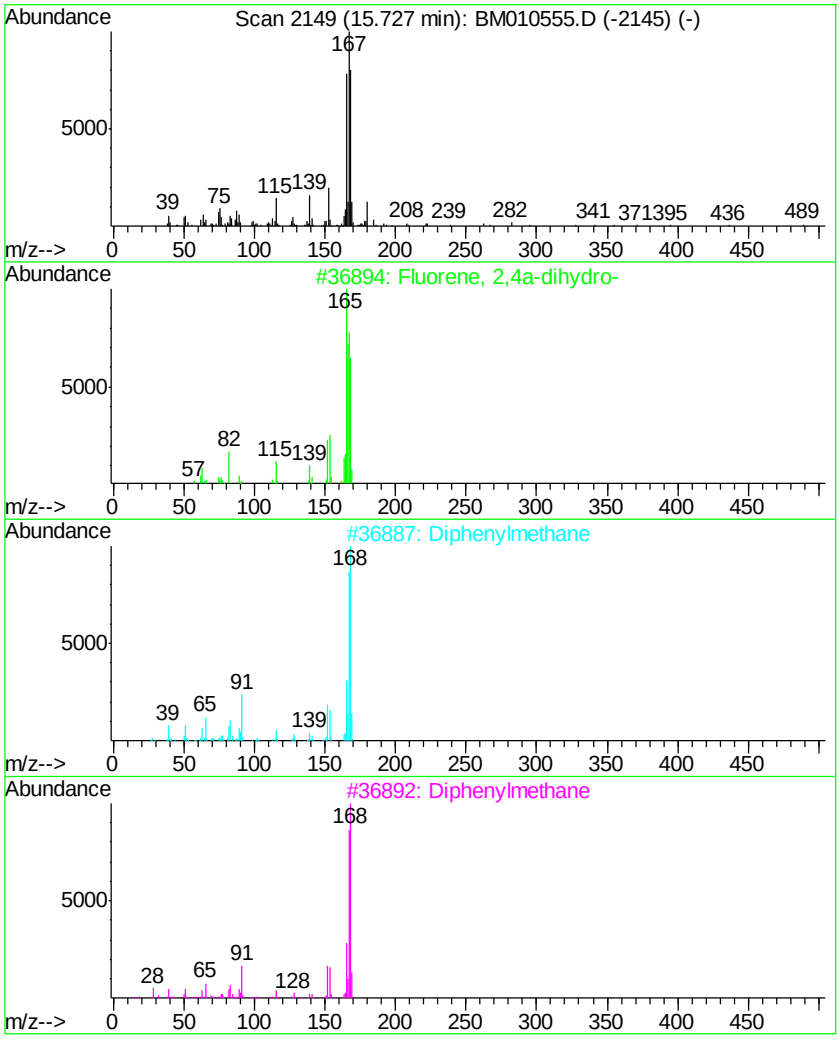
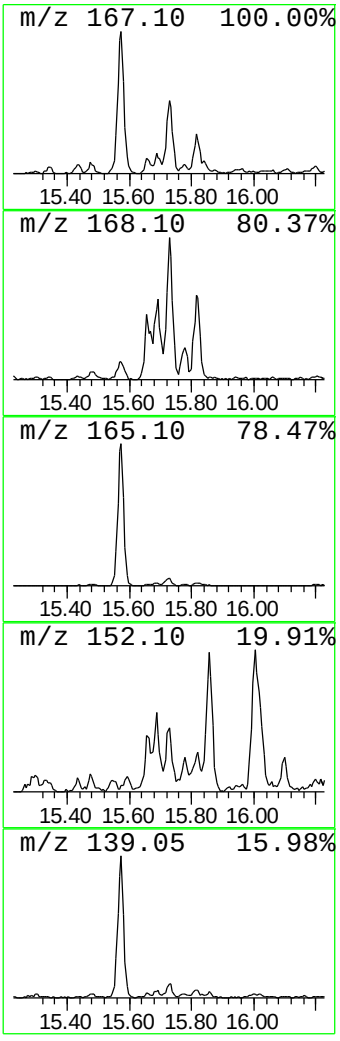
Peak Number 13 Fluorene, 2,4a-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	5.81 ng/ul	489574	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	91
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	Diphenylmethane	168	C13H12	000101-81-5	58
5	Diphenylmethane	168	C13H12	000101-81-5	58





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Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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Quant Title : SVOA CALIBRATION

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

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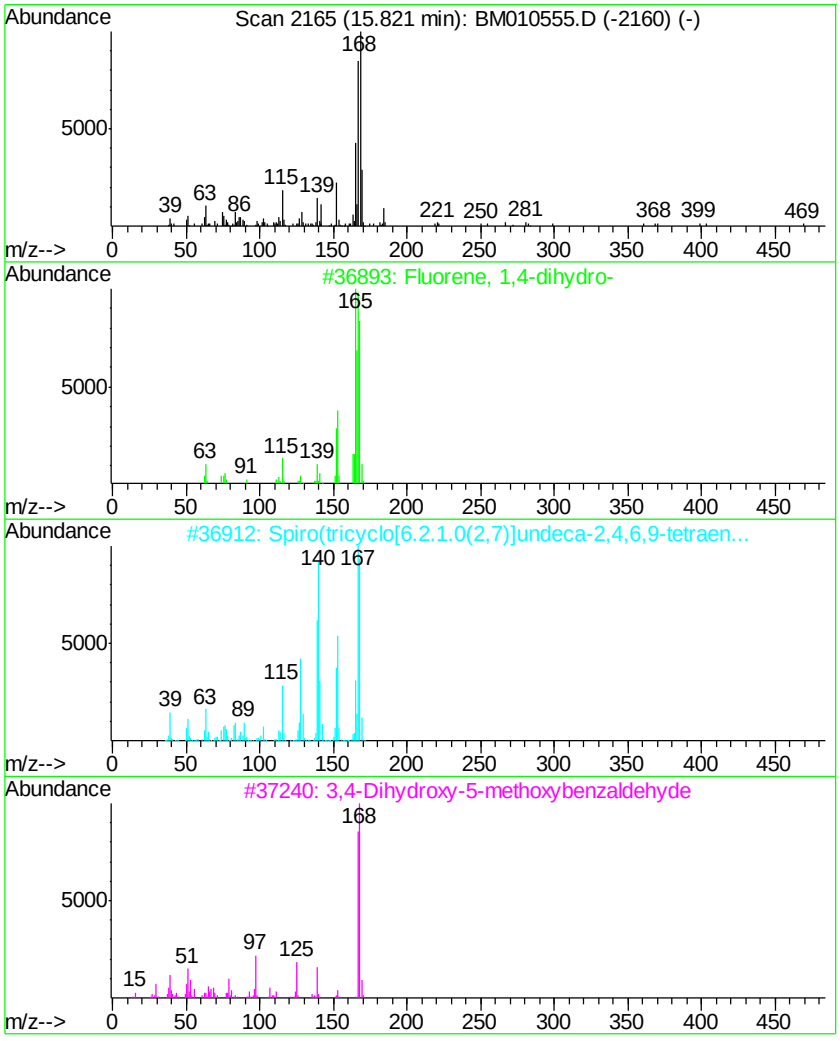
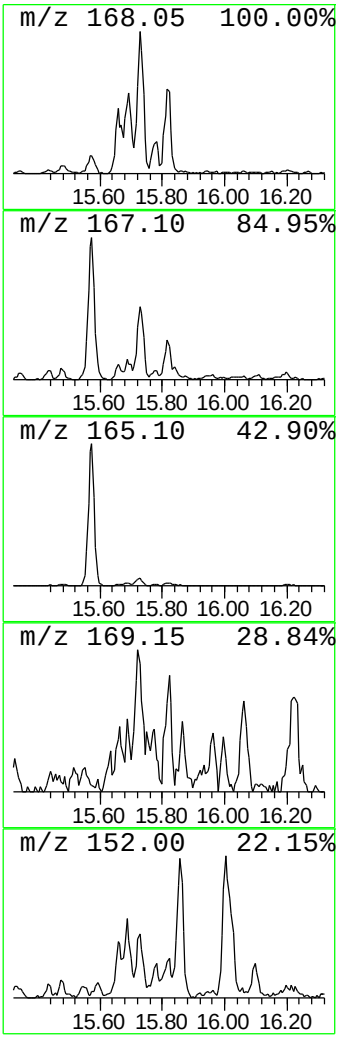
Peak Number 14 Fluorene, 1,4-dihydro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.92 ng/ul	245571	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62
2	Spiro(tricyclo[6.2.1.0(2,7)]unde...	168	C13H12	022003-58-3	58
3	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	58
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Diphenylmethane	168	C13H12	000101-81-5	53





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Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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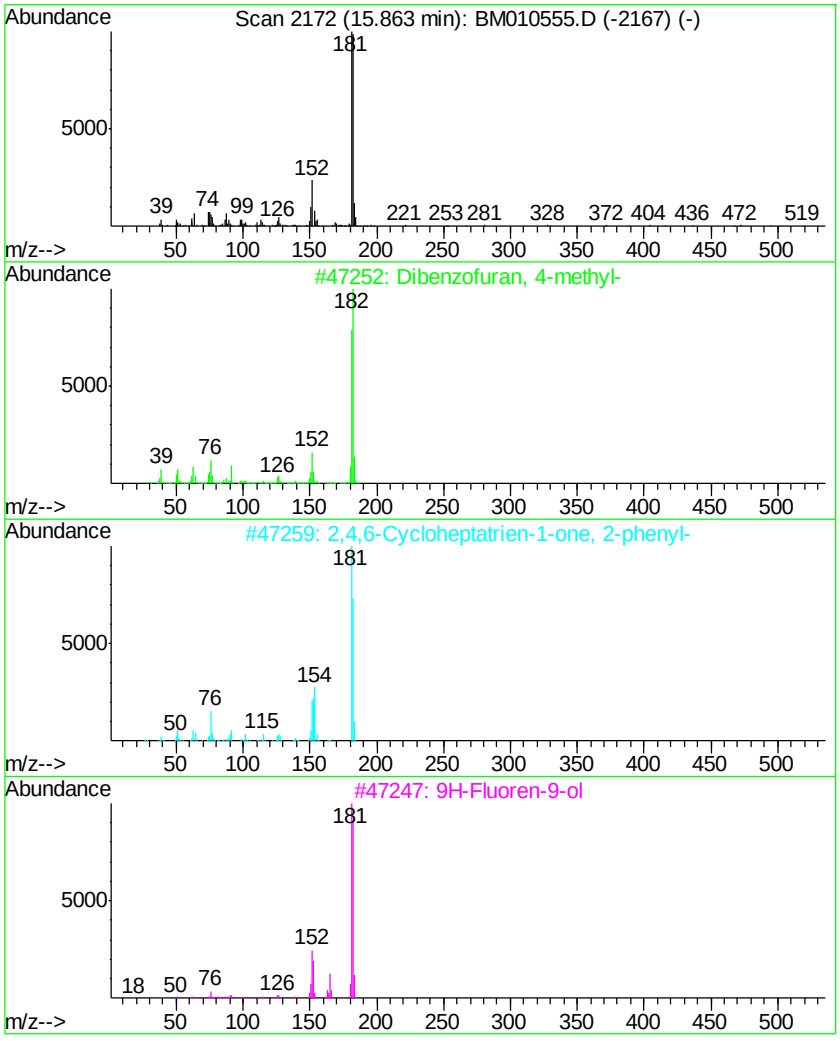
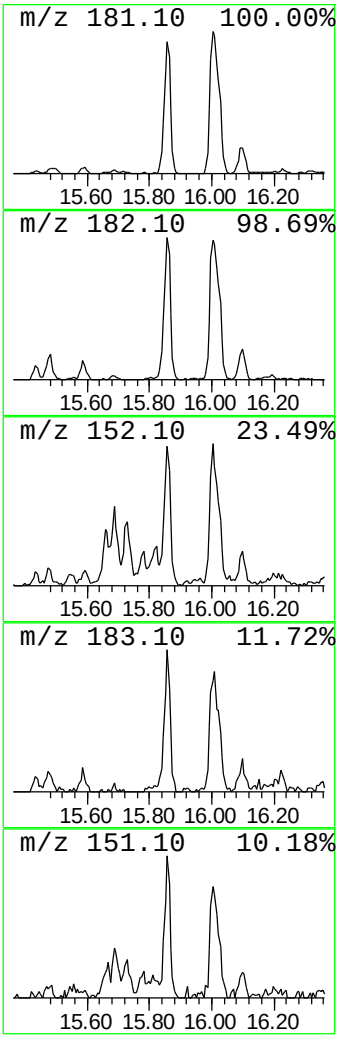
Peak Number 15 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	10.50 ng/ul	884199	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80





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Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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 16 6H-Dibenzo[b,d]-pyran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	9.49 ng/ul	1180330	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	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
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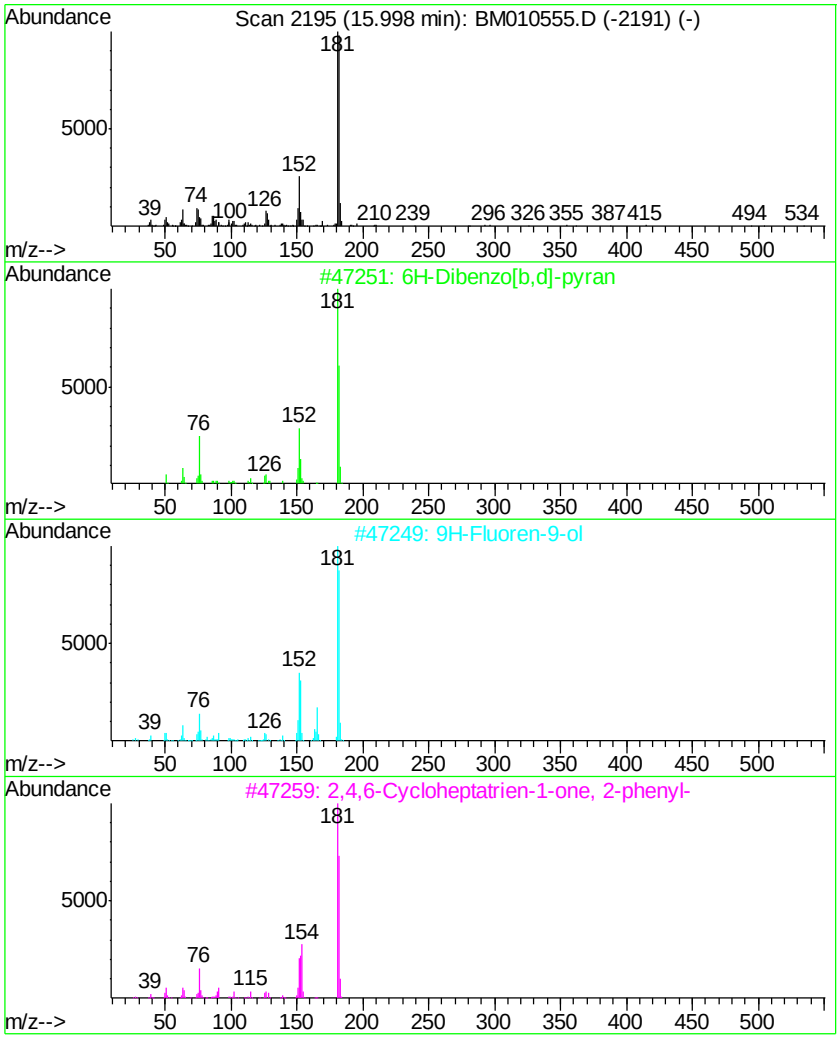

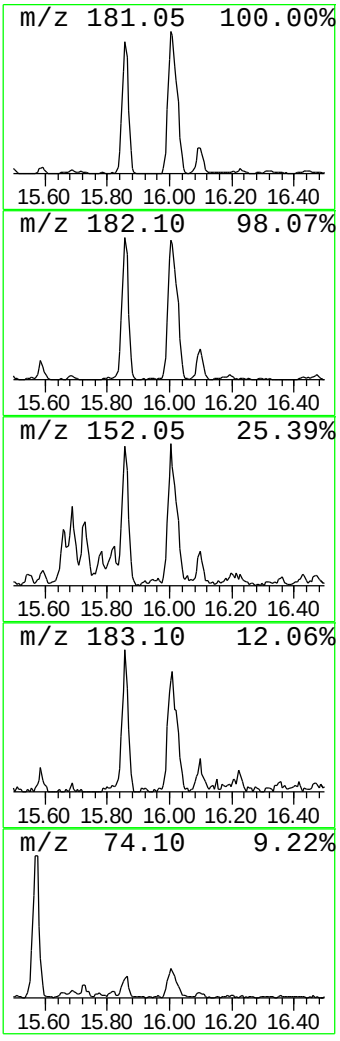

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Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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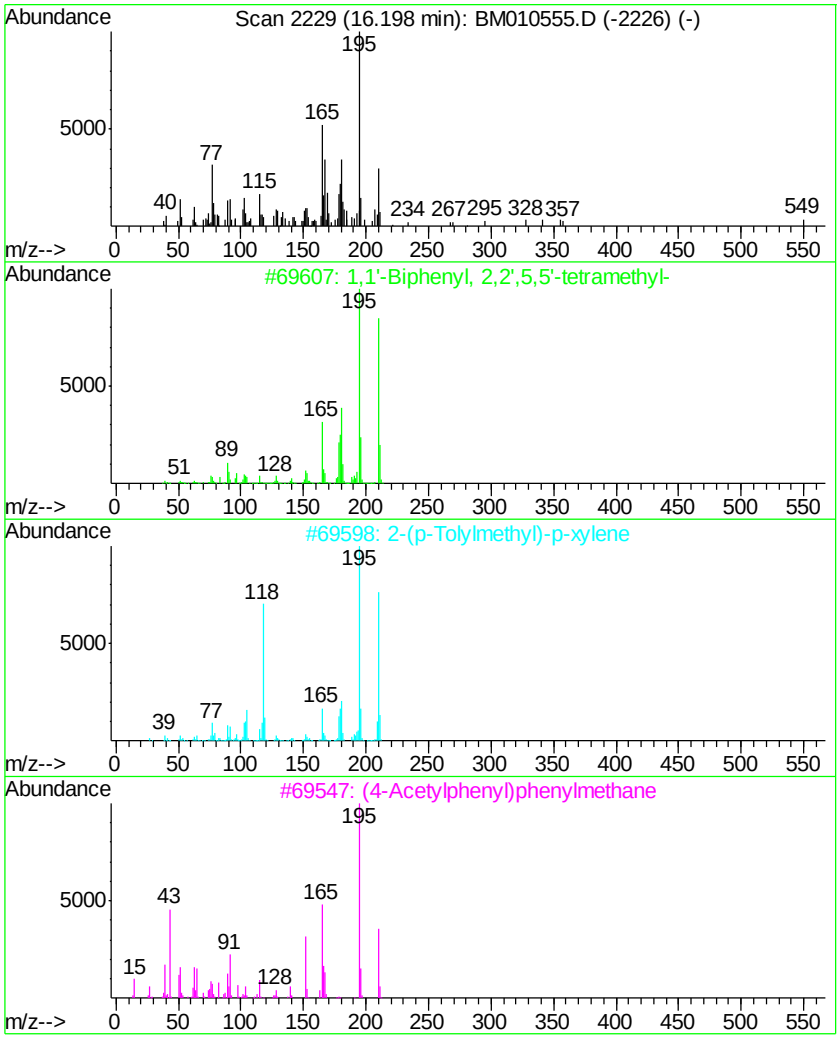
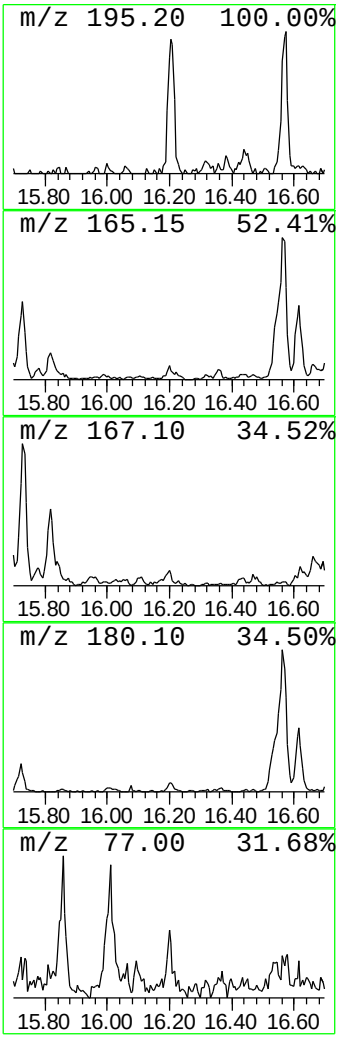
Peak Number 17 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.15 ng/ul	267086	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	78
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	76
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	70
4	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	64
5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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Quant Title : SVOA CALIBRATION

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

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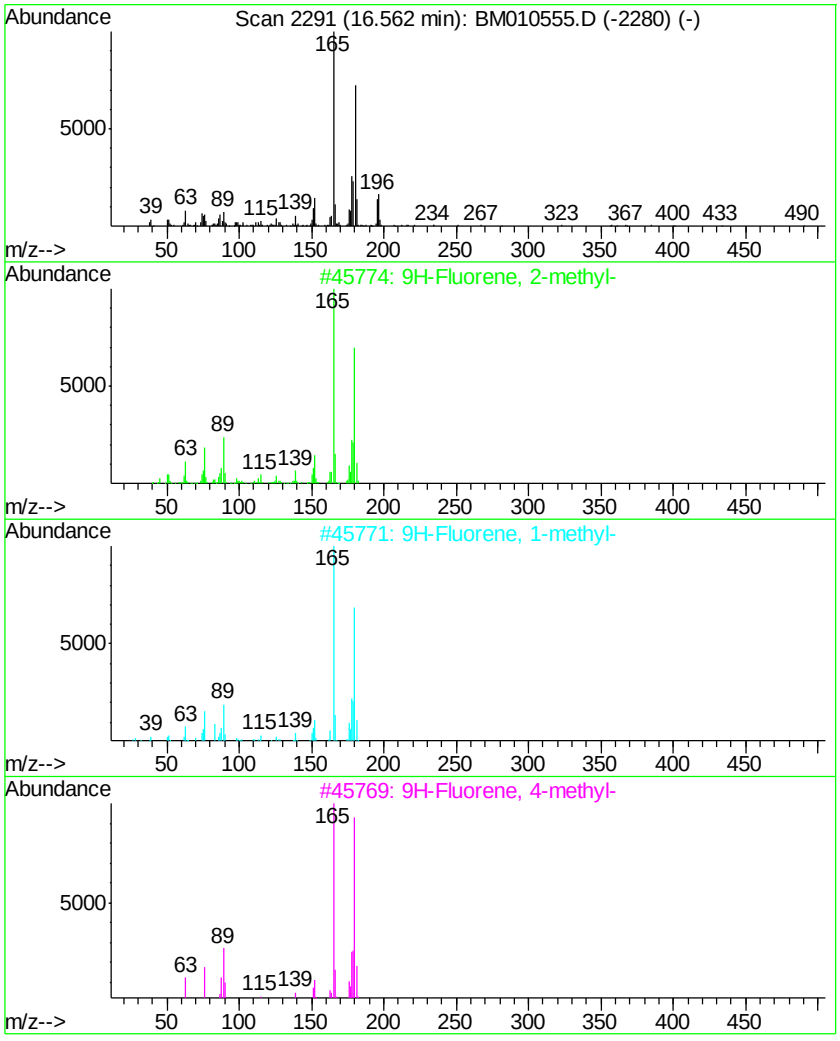
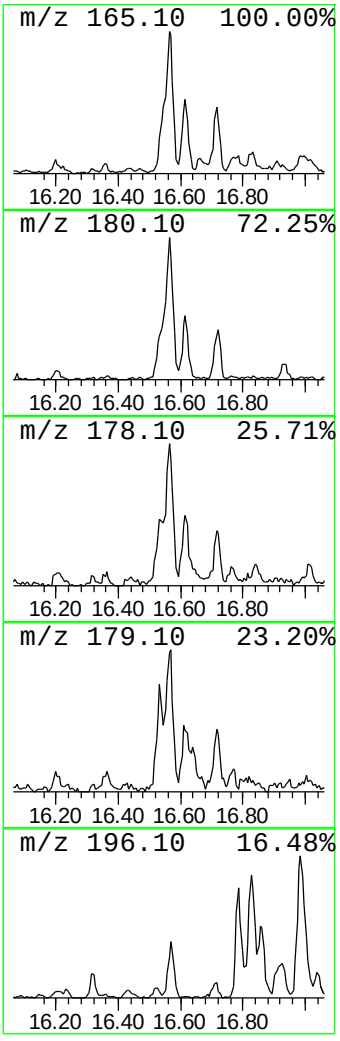
Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	8.50 ng/ul	1057150	Phenanthrene-d10	17.27

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	94
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Misc :
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Instrument : BNA_M
ClientSampleId : F5C63DL

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Quant Title : SVOA CALIBRATION

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

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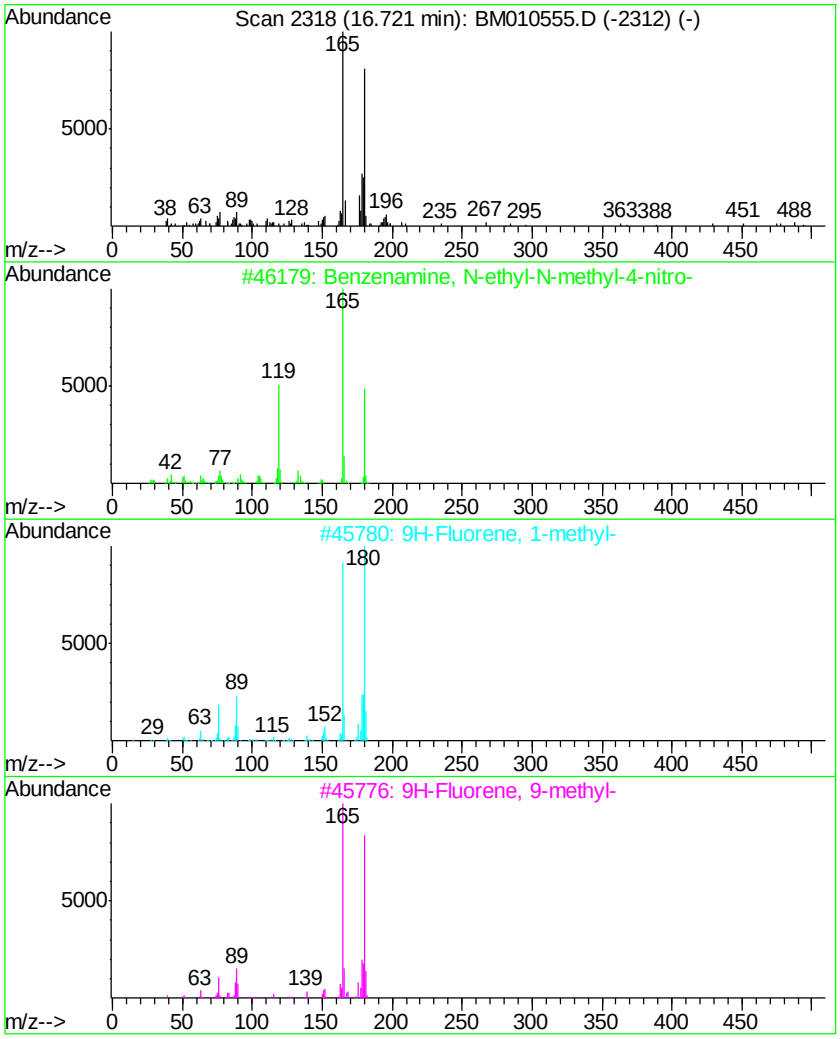
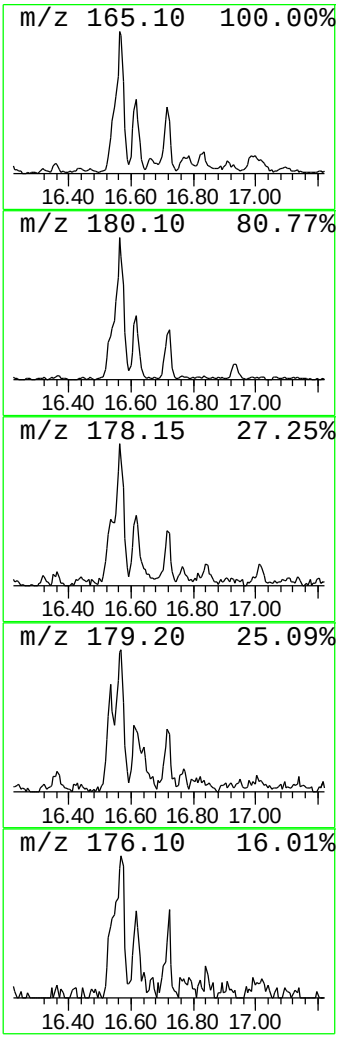
Peak Number 20 Benzenamine, N-ethyl-N-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.18 ng/ul	271401	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N-ethyl-N-methyl-4-...	180	C9H12N2O2	056269-48-8	58
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	58
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
5	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	58





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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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Quant Title : SVOA CALIBRATION

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

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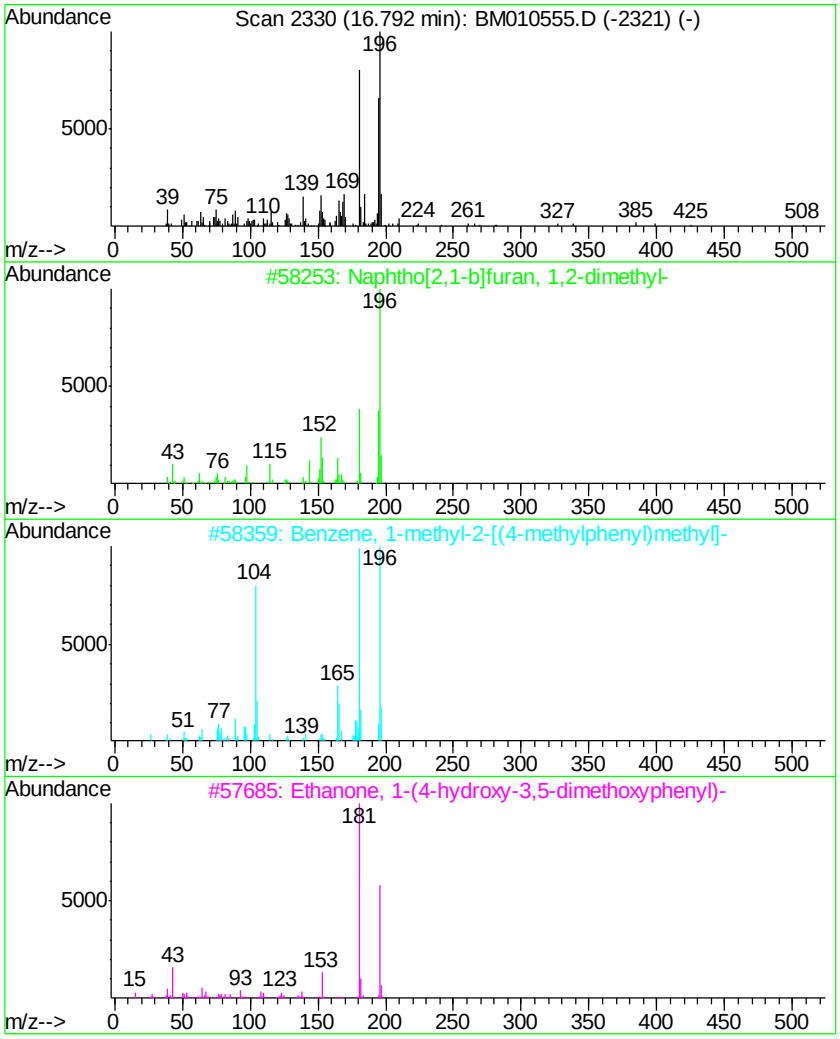
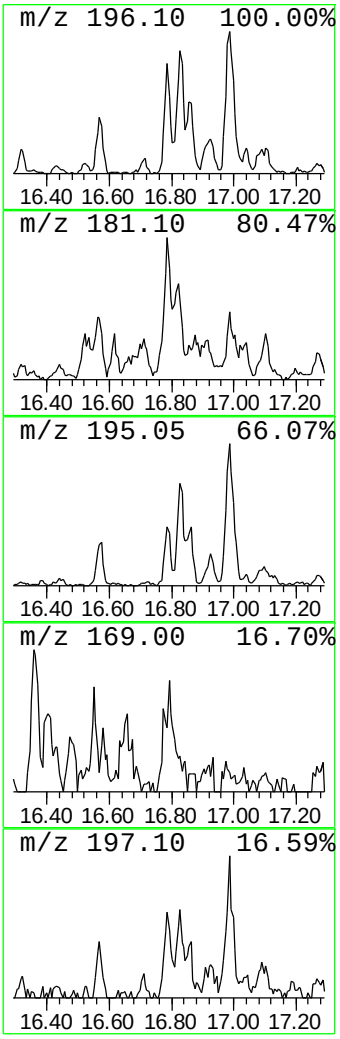
Peak Number 21 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.71 ng/ul	461884	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	90
2	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	64
3	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	52
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	49
5	Phenazine, 5-oxide	196	C12H8N2O	000304-81-4	41





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Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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

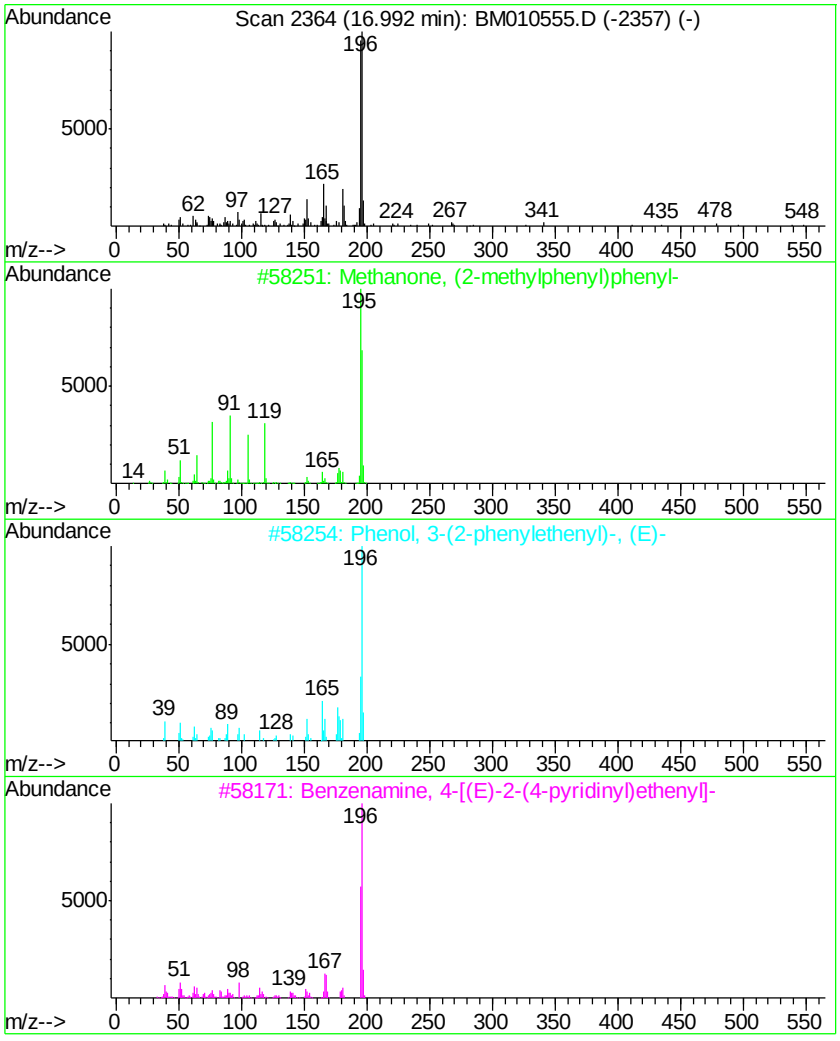
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

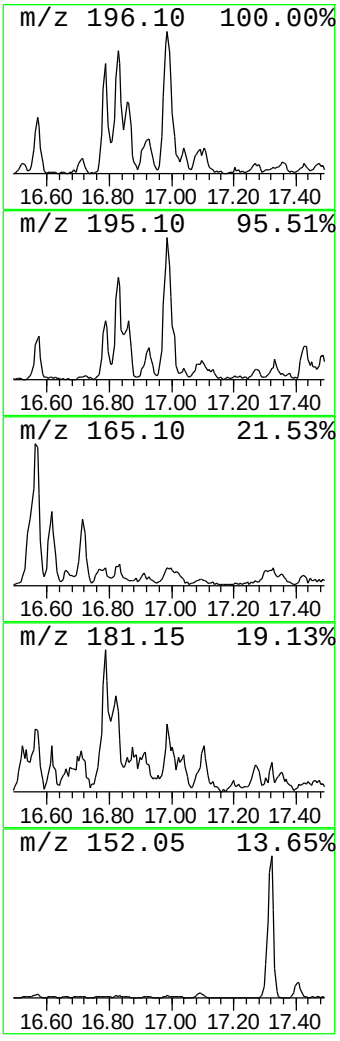
****

Peak Number 22 Methanone, (2-methylphenyl)... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	5.10 ng/ul	633815	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	58
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
3	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	38
4	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	38
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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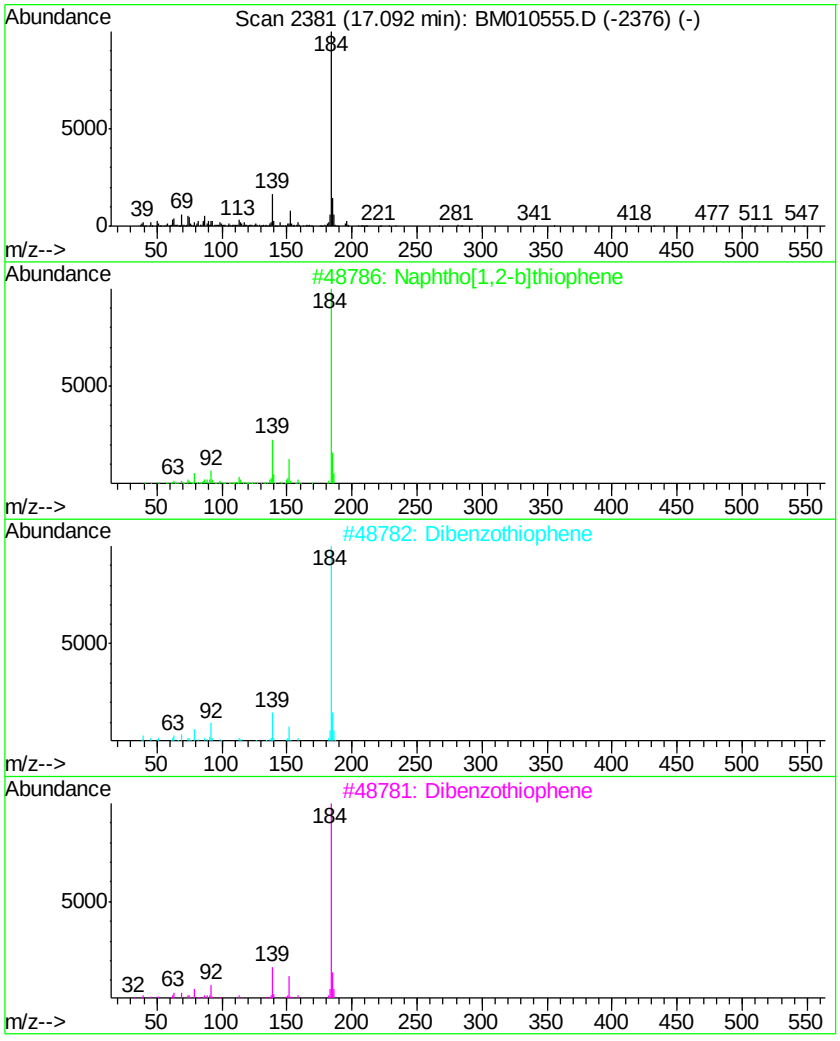
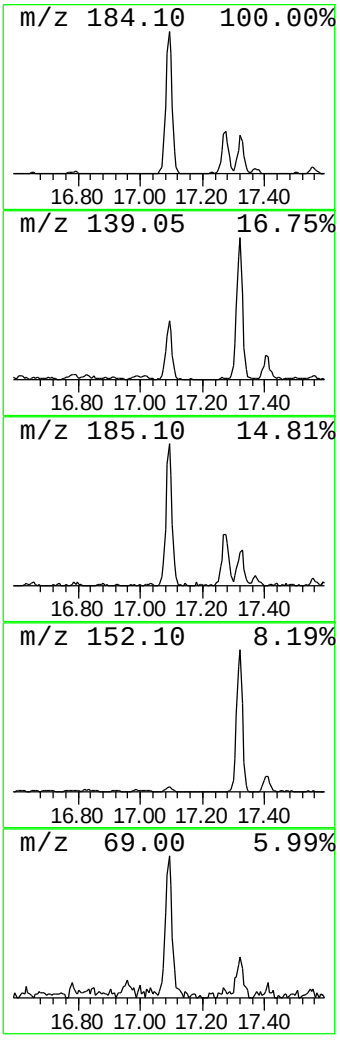
Peak Number 23 Naphtho[1,2-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	10.04 ng/ul	1247960	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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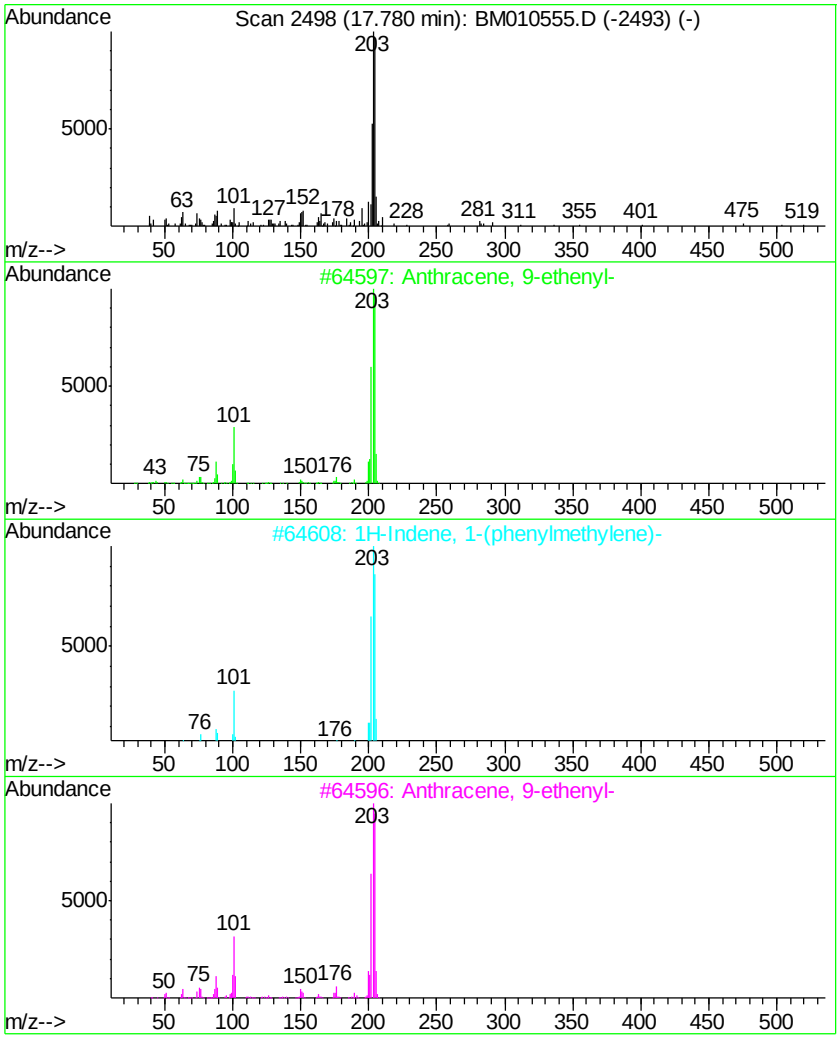
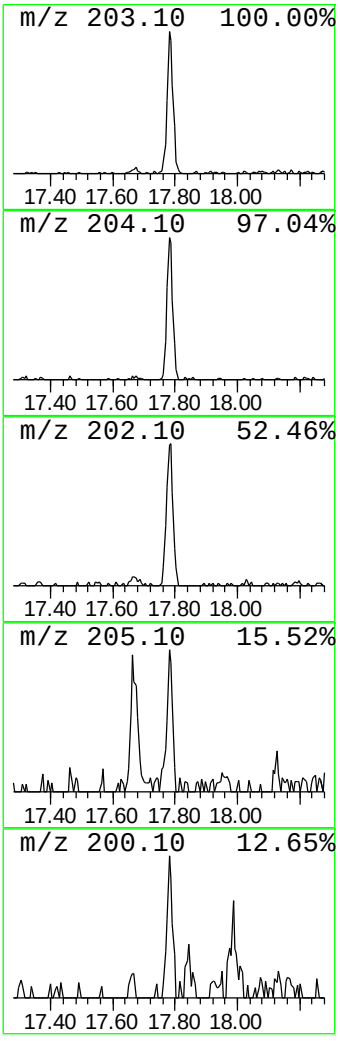
Peak Number 24 Anthracene, 9-ethenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	2.57 ng/ul	319438	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	70
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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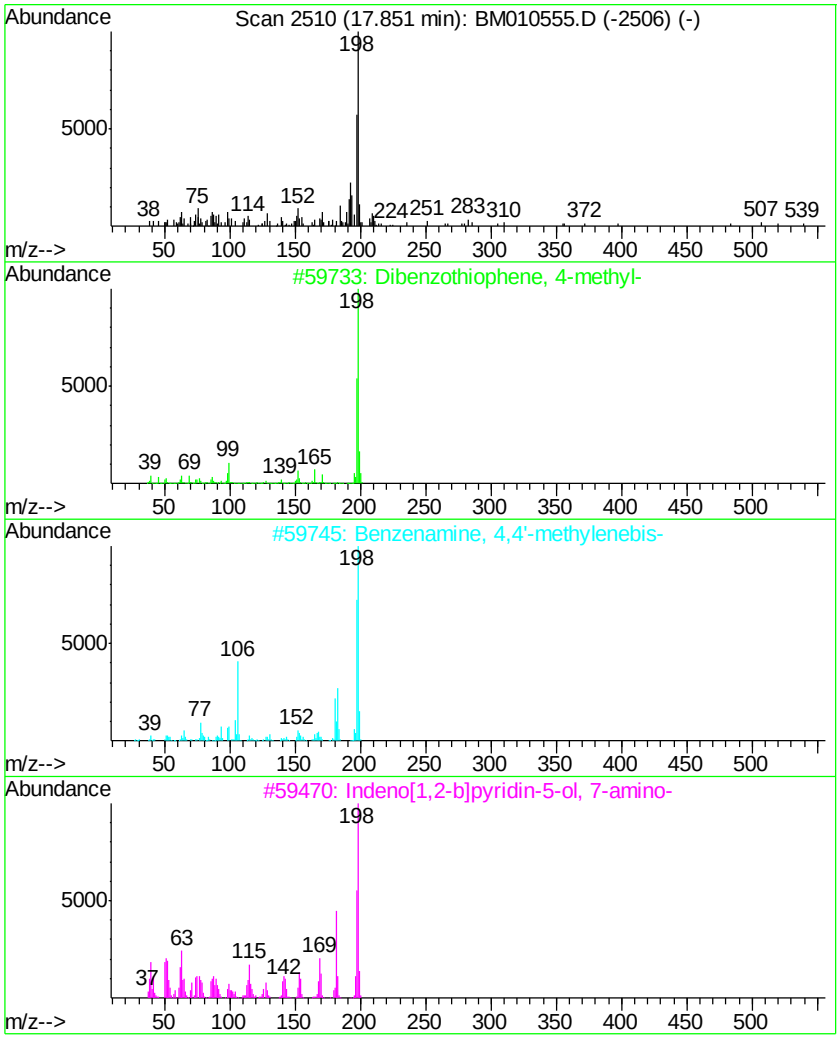
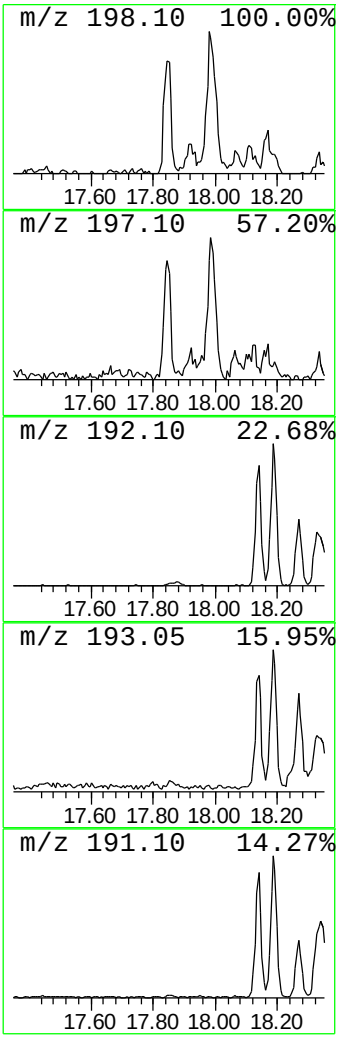
Peak Number 25 Dibenzothiophene, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.31 ng/ul	287688	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
3	Indeno[1,2-b]pyridin-5-ol, 7-amino-	198	C12H10N2O	339336-23-1	59
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58





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Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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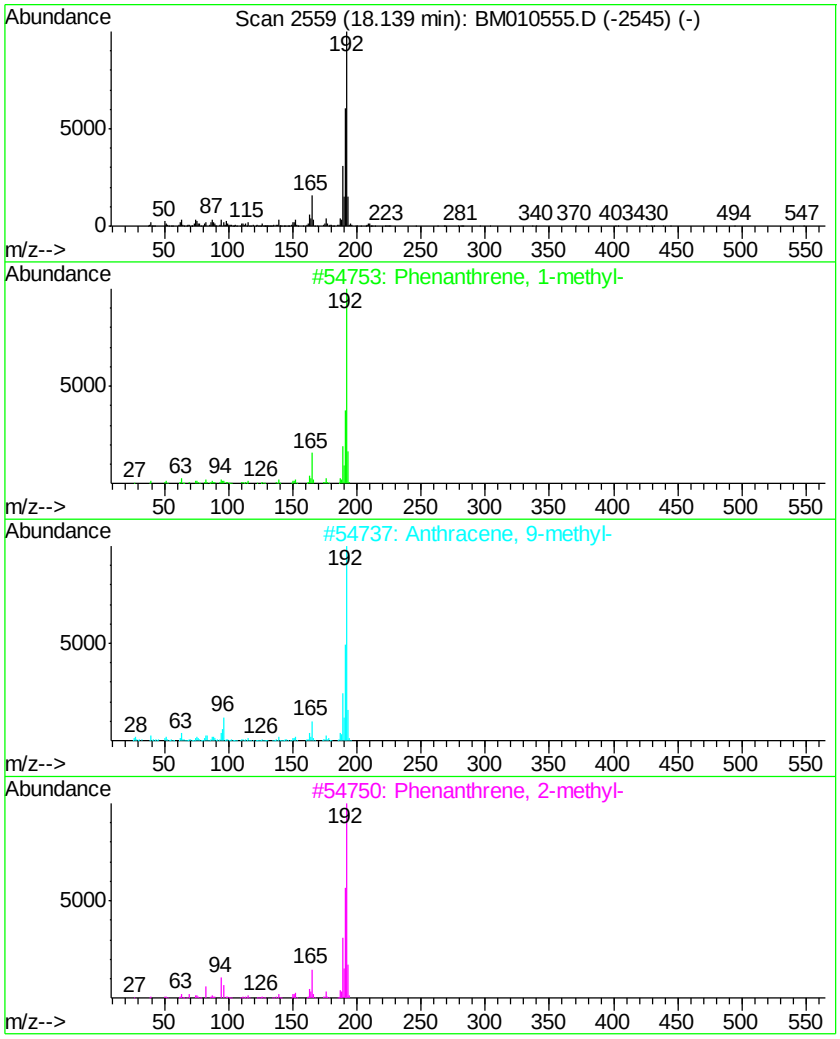
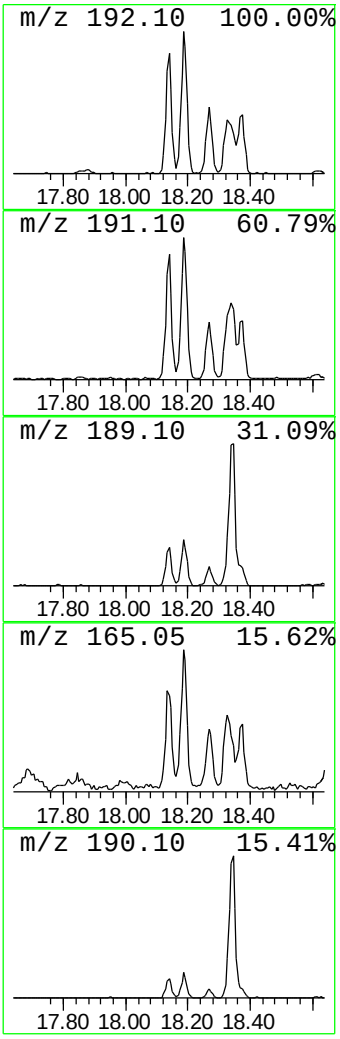
Peak Number 26 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	11.34 ng/ul	1409490	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, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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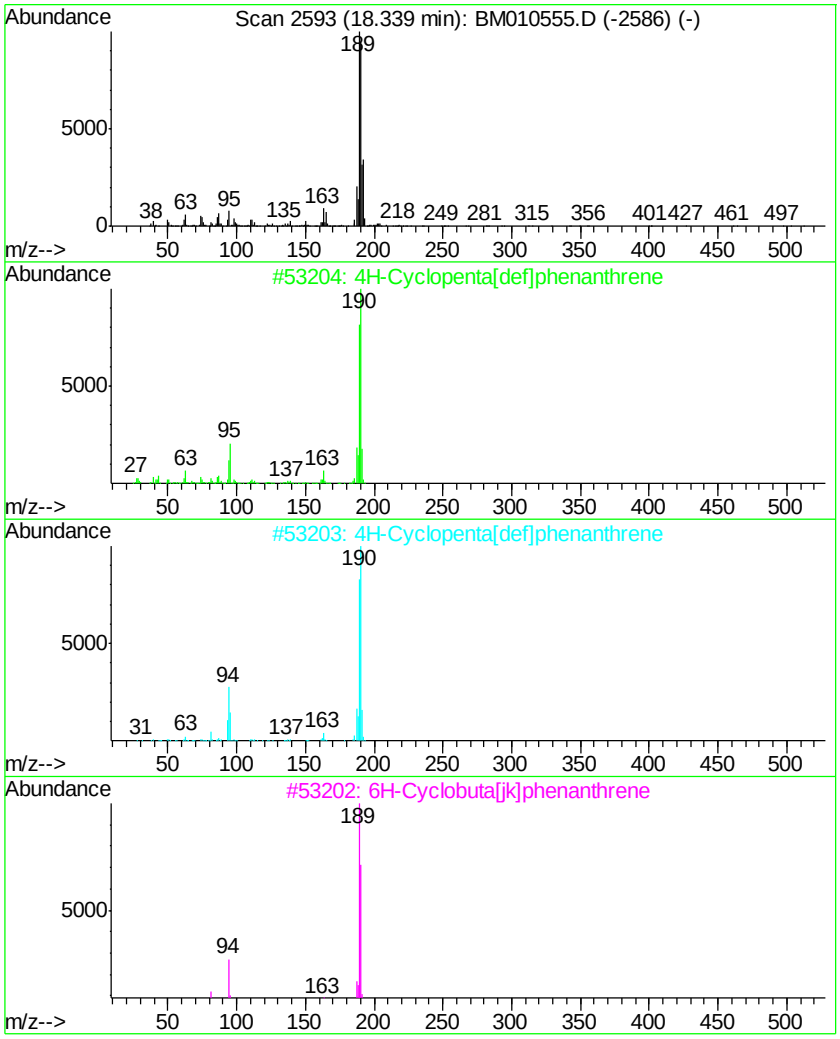
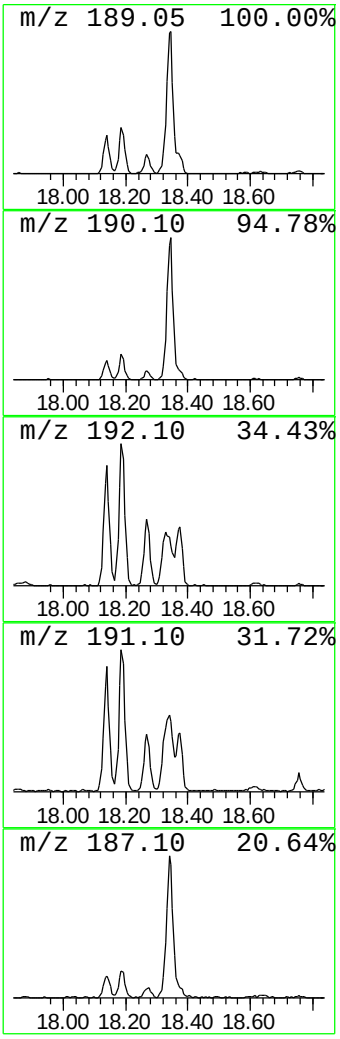
Peak Number 29 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	19.48 ng/ul	2421570	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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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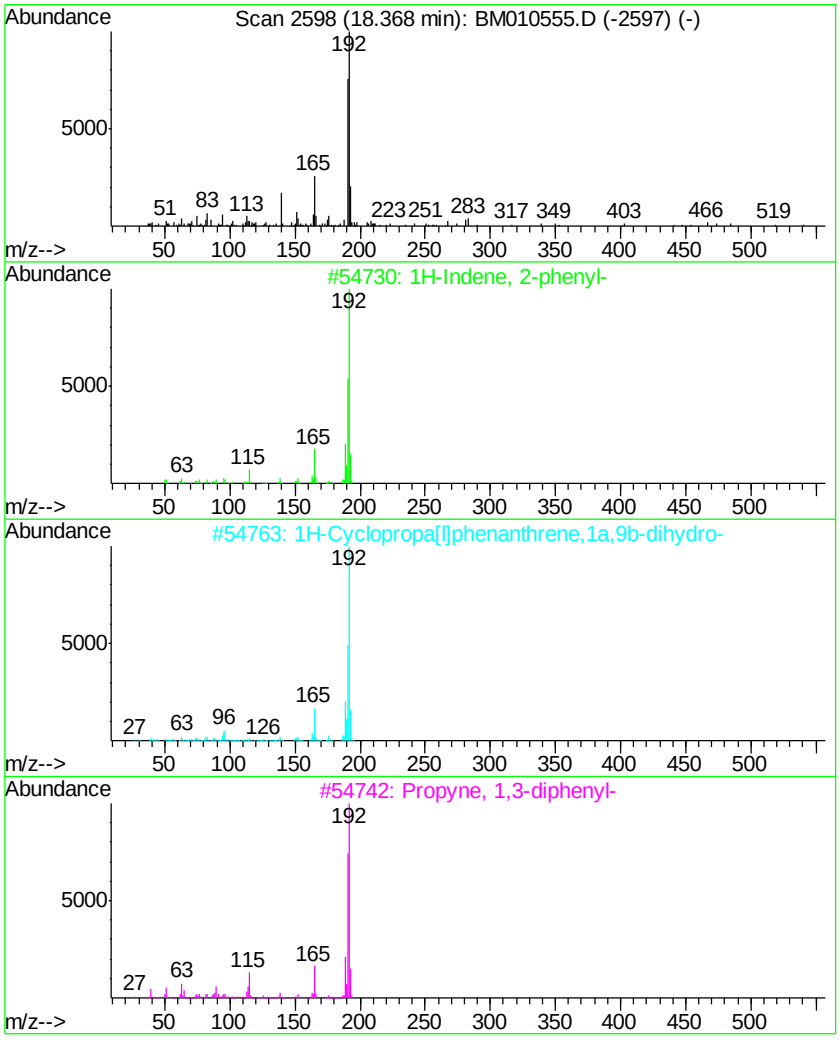
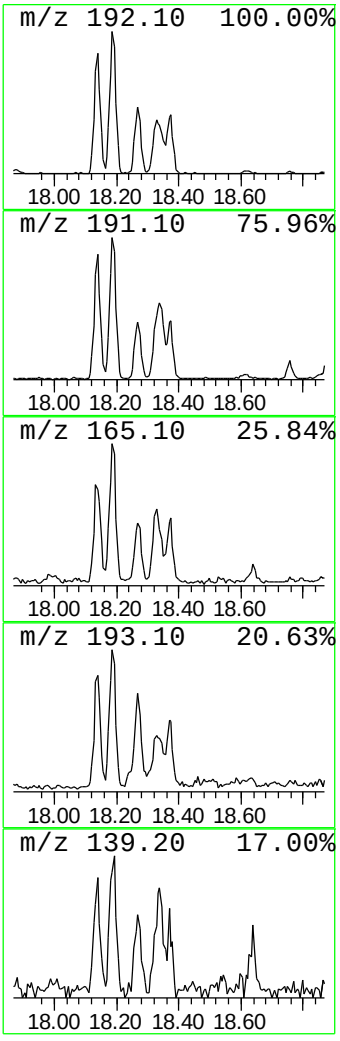
Peak Number 30 1H-Indene, 2-phenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	4.18 ng/ul	519795	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Tentatively Identified Compound (LSC) summary

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Data File : BM010555.D
Acq On : 13 Jun 2017 03:08
Operator : SJ/MA
Sample : I3558-09DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C63DL

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
Indane	8.25	4.3	ng/ul	198304	1	7.88	922844	20.0
Naphthalene, 1-et...	13.55	5.6	ng/ul	475538	3	14.52	1684870	20.0
Naphthalene, 1,6-...	13.67	6.8	ng/ul	573684	3	14.52	1684870	20.0
Naphthalene, 1,3-...	13.83	11.9	ng/ul	1003850	3	14.52	1684870	20.0
Naphthalene, 2,6-...	13.89	6.6	ng/ul	559274	3	14.52	1684870	20.0
Naphthalene, 2,7-...	14.07	4.9	ng/ul	410122	3	14.52	1684870	20.0
3-(2-Methyl-prope...	14.72	2.8	ng/ul	233696	3	14.52	1684870	20.0
Naphthalene, 2,3,...	14.98	3.2	ng/ul	268536	3	14.52	1684870	20.0
Naphthalene, 1,4,...	15.12	3.3	ng/ul	276695	3	14.52	1684870	20.0
Naphthalene, 1,6,...	15.30	3.4	ng/ul	287566	3	14.52	1684870	20.0
Fluorene, 2,4a-di...	15.73	5.8	ng/ul	489574	3	14.52	1684870	20.0
Fluorene, 1,4-dih...	15.82	2.9	ng/ul	245571	3	14.52	1684870	20.0
Dibenzofuran, 4-m...	15.86	10.5	ng/ul	884199	3	14.52	1684870	20.0
6H-Dibenzo[b,d]-p...	16.00	9.5	ng/ul	1180330	4	17.27	2486830	20.0
1,1'-Biphenyl, 2,...	16.20	2.1	ng/ul	267086	4	17.27	2486830	20.0
9H-Fluorene, 2-me...	16.56	8.5	ng/ul	1057150	4	17.27	2486830	20.0
Benzenamine, N-et...	16.72	2.2	ng/ul	271401	4	17.27	2486830	20.0
Naphtho[2,1-b]fur...	16.79	3.7	ng/ul	461884	4	17.27	2486830	20.0
Methanone, (2-met...	16.99	5.1	ng/ul	633815	4	17.27	2486830	20.0
Naphtho[1,2-b]thi...	17.09	10.0	ng/ul	1247960	4	17.27	2486830	20.0
Anthracene, 9-eth...	17.78	2.6	ng/ul	319438	4	17.27	2486830	20.0
Dibenzothiophene,...	17.85	2.3	ng/ul	287688	4	17.27	2486830	20.0
Phenanthrene, 1-m...	18.14	11.3	ng/ul	1409490	4	17.27	2486830	20.0
4H-Cyclopenta[def...	18.34	19.5	ng/ul	2421570	4	17.27	2486830	20.0
1H-Indene, 2-phenyl-	18.37	4.2	ng/ul	519795	4	17.27	2486830	20.0