LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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	824	rBV	560079	901730	1.86%	0.384%
2	10.686	1285	1292	1298	rBV	652839	1083530	2.24%	0.461%
3	12.339	1566	1573	1580	rBV	1156657	1769817	3.65%	0.753%
4	12.563	1603	1611	1617	rVB	661971	1042766	2.15%	0.444%
5	13.351	1738	1745	1752	rBV	534390	798024	1.65%	0.339%
6	13.545	1771	1778	1788	rVB	371980	746318	1.54%	0.317%
7	13.674	1793	1800	1801	rBV	622708	862930	1.78%	0.367%
8	13.833	1819	1827	1832	rBV2	969871	1725831	3.56%	0.734%
9	13.886	1832	1836	1841	rVV	492685	680188	1.40%	0.289%
10	14.069	1859	1867	1871	rBV	451087	704843	1.45%	0.300%
11	14.239	1884	1896	1903	rBV3	330608	888462	1.83%	0.378%
12	14.486	1931	1938	1941	rBV	613958	893942	1.84%	0.380%
13	14.521	1941	1944	1950	rVV2	1018483	1529492	3.16%	0.651%
14	14.592	1950	1956	1962	rVB	5507856	7769081	16.03%	3.305%
15	14.827	1985	1996	2000	rVV2	267137	496105	1.02%	0.211%
16	14.927	2004	2013	2018	rVV	4782725	7092114	14.63%	3.017%
17	15.127	2041	2047	2051	rBV	293235	490861	1.01%	0.209%
18	15.574	2116	2123	2131	rVB	7932249	10514286	21.69%	4.472%
19	15.657	2132	2137	2140	rBV	346852	534046	1.10%	0.227%
20	15.727	2145	2149	2154	rVB2	746366	1110620	2.29%	0.472%
21	15.857	2167	2171	2178	rVB	1197819	1713605	3.54%	0.729%
22	16.004	2191	2196	2204	rBV	1174319	2339519	4.83%	0.995%
23	16.204	2223	2230	2240	rVB4	248924	578413	1.19%	0.246%
24	16.568	2280	2292	2296	rBV	974594	2021917	4.17%	0.860%
25	16.615	2296	2300	2305	rBV2	379192	559562	1.15%	0.238%
26	16.715	2313	2317	2322	rVB2	375458	575431	1.19%	0.245%
27	16.786	2322	2329	2332	rBV2	403283	818388	1.69%	0.348%
28	16.986	2358	2363	2375	rVB4	466369	1160500	2.39%	0.494%
29	17.092	2375	2381	2387	rBV	1658310	2365227	4.88%	1.006%
30	17.274	2406	2412	2415	rBV	1580309	2441977	5.04%	1.039%
31	17.327	2415	2421	2426	rVV	37867194	48466672	100.00%	20.615%
32	17.409	2430	2435	2441	rVB	3108611	4237560	8.74%	1.802%
33	17.686	2472	2482	2494	rVB7	369135	1183576	2.44%	0.503%
34	17.780	2494	2498	2506	rBV2	371612	799570	1.65%	0.340%

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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	18.139	2553	2559	2563	rBV	1947397	2690369	5.55%	1.144%
36	18.192	2563	2568	2574	rVB	2335022	3282975	6.77%	1.396%
37	18.268	2575	2581	2586	rVV	923687	1293027	2.67%	0.550%
38	18.345	2586	2594	2597	rVV2	3153707	5474293	11.29%	2.328%
39	18.374	2597	2599	2606	rVB	974203	1100963	2.27%	0.468%
40	18.639	2639	2644	2650	rVB	1514759	1948836	4.02%	0.829%
41	19.045	2708	2713	2718	rBV	688467	1196099	2.47%	0.509%
42	19.115	2718	2725	2728	rBV4	324018	591301	1.22%	0.252%
43	19.327	2754	2761	2767	rBV	21913797	28366341	58.53%	12.065%
44	19.527	2790	2795	2798	rBV6	381383	491004	1.01%	0.209%
45	19.574	2798	2803	2811	rVB	509216	973144	2.01%	0.414%
46	19.656	2811	2817	2820	rBV2	3301774	5807250	11.98%	2.470%
47	19.692	2820	2823	2830	rVV	12983567	16896937	34.86%	7.187%
48	19.750	2830	2833	2839	rVB	740456	1014755	2.09%	0.432%
49	19.862	2848	2852	2857	rVB	747250	921549	1.90%	0.392%
50	20.003	2870	2876	2883	rVB3	895849	2015189	4.16%	0.857%
51	20.080	2883	2889	2892	rBV	428171	689332	1.42%	0.293%
52	20.174	2893	2905	2910	rVB	2624619	4395151	9.07%	1.869%
53	20.274	2917	2922	2926	rBV	2769518	3575204	7.38%	1.521%
54	20.333	2930	2932	2935	rVV	898006	988571	2.04%	0.420%
55	20.368	2935	2938	2941	rVV	504284	642761	1.33%	0.273%
56	20.474	2952	2956	2960	rBV	471678	632502	1.31%	0.269%
57	20.521	2960	2964	2970	rVB	482310	685028	1.41%	0.291%
58	20.874	3020	3024	3029	rBV2	390990	799923	1.65%	0.340%
59	21.086	3056	3060	3064	rBV	921463	1302178	2.69%	0.554%
60	21.127	3064	3067	3070	rVB	749087	865179	1.79%	0.368%
61	21.168	3070	3074	3078	rBV2	707338	1086160	2.24%	0.462%
62	21.427	3111	3118	3124	rBV2	6332597	12645300	26.09%	5.379%
63	21.480	3124	3127	3131	rVB	3718816	4311699	8.90%	1.834%
64	21.597	3142	3147	3153	rBV	943969	1500294	3.10%	0.638%
65	21.774	3175	3177	3182	rVB	493087	501004	1.03%	0.213%
66	21.997	3211	3215	3220	rVB	740380	1159982	2.39%	0.493%
67	23.062	3390	3396	3402	rBV	2054932	5429808	11.20%	2.310%
68	23.238	3423	3426	3432	rVB	400663	622207	1.28%	0.265%
69	23.568	3477	3482	3487	rBV	1086187	1870788	3.86%	0.796%
70	23.668	3494	3499	3506	rVB	1718649	3186012	6.57%	1.355%
71	23.774	3511	3517	3522	rBV	1688734	3254690	6.72%	1.384%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

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

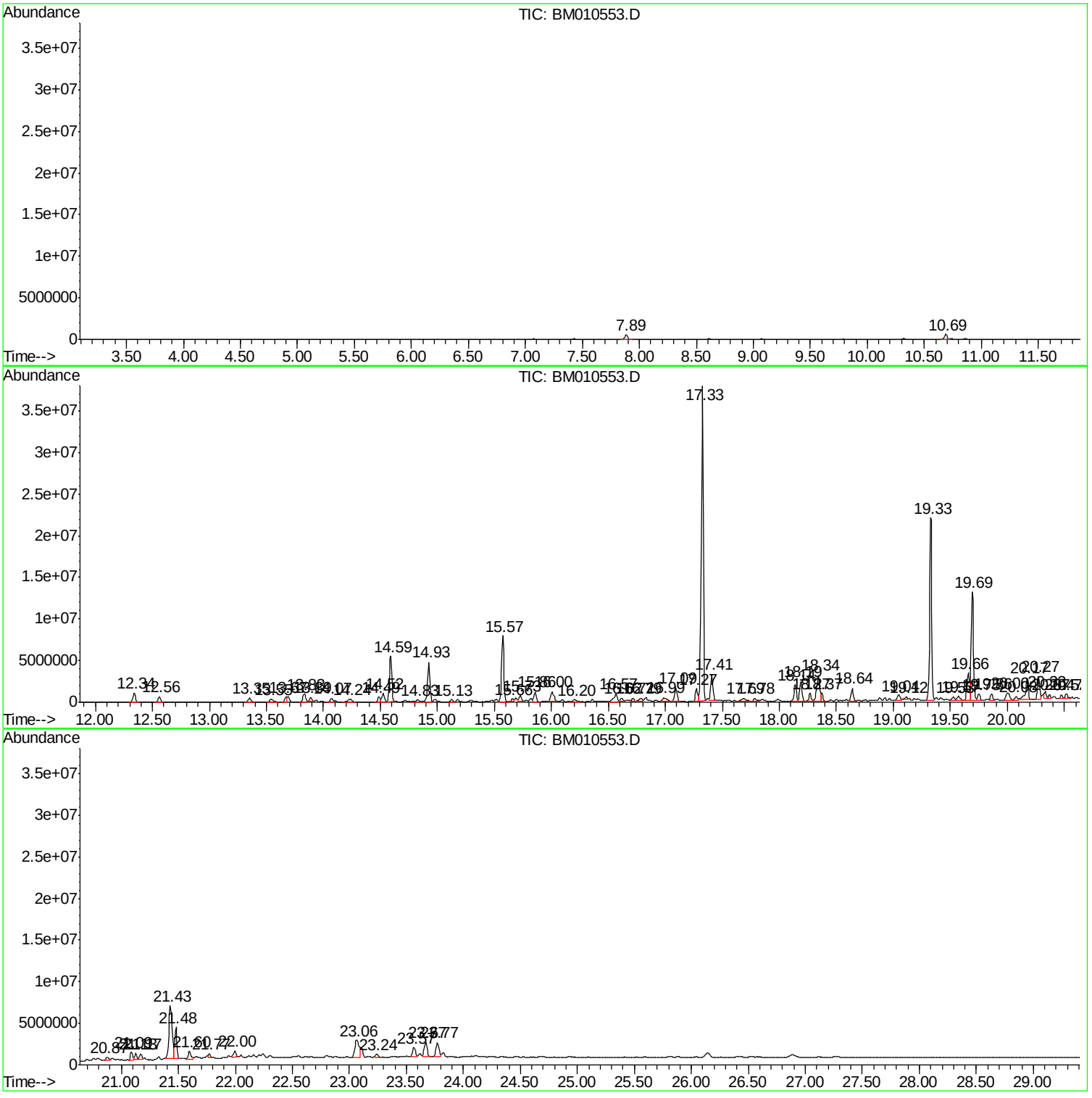
Sum of corrected areas: 235104708

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

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 : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
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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

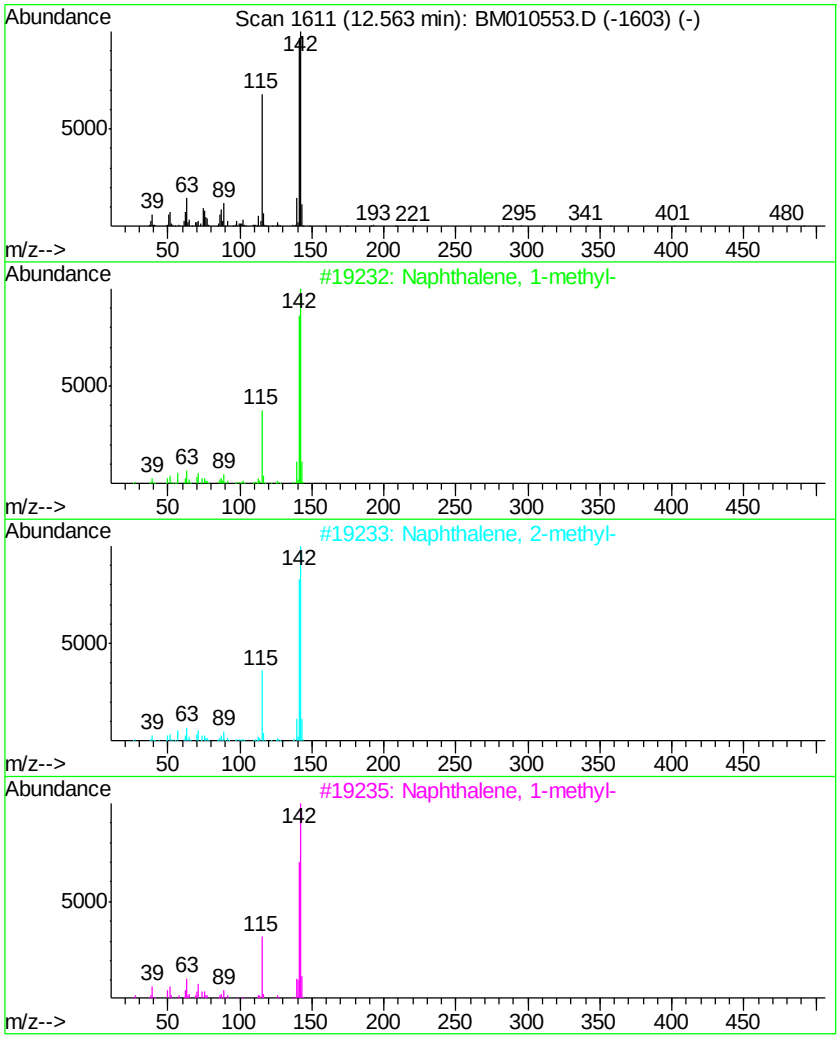
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

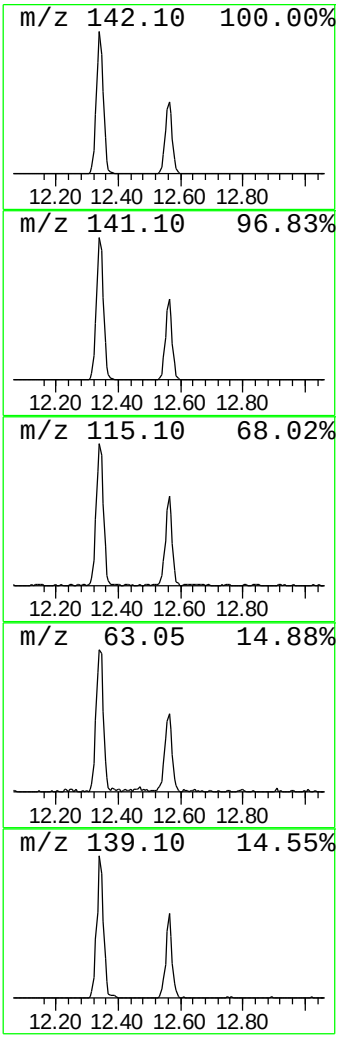
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	19.25 ng/ul	1042770	Naphthalene-d8	10.69

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, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

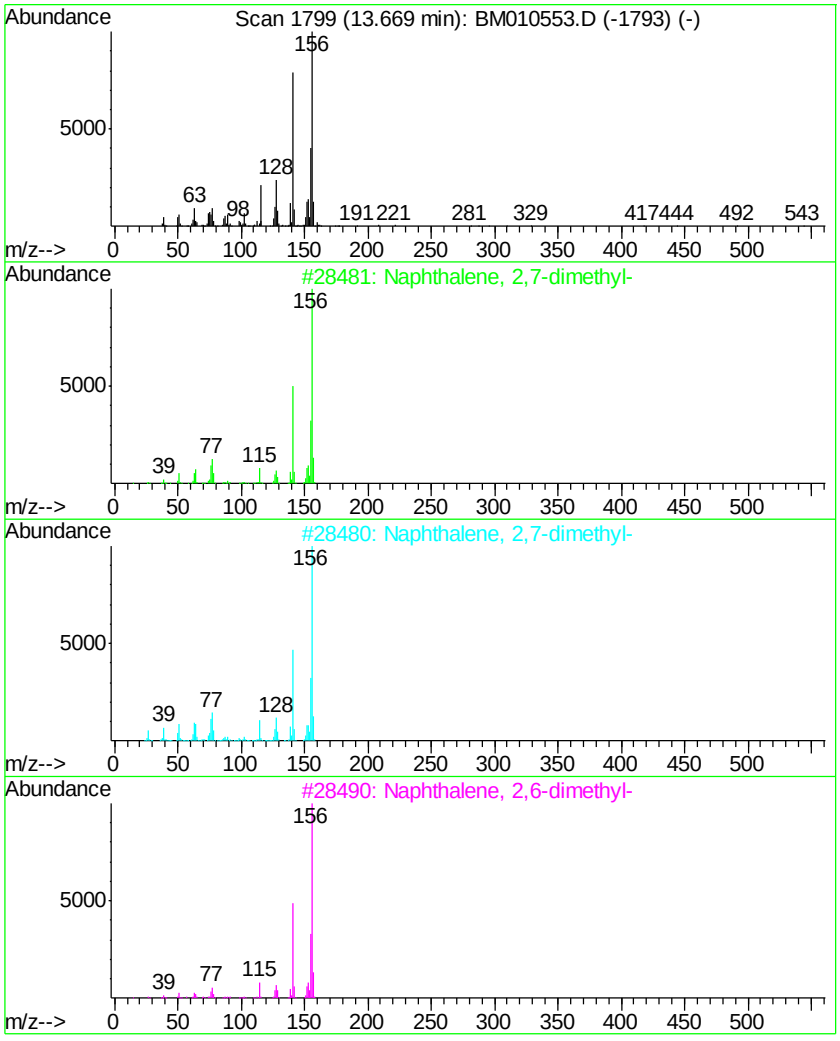
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

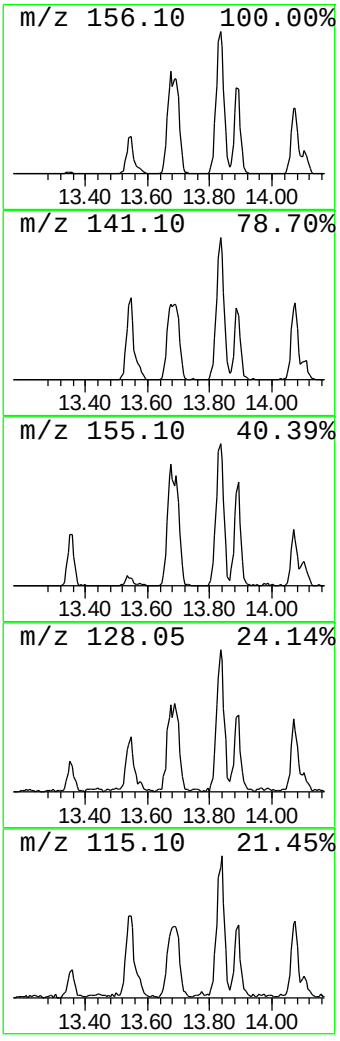
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	11.28 ng/ul	862930	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

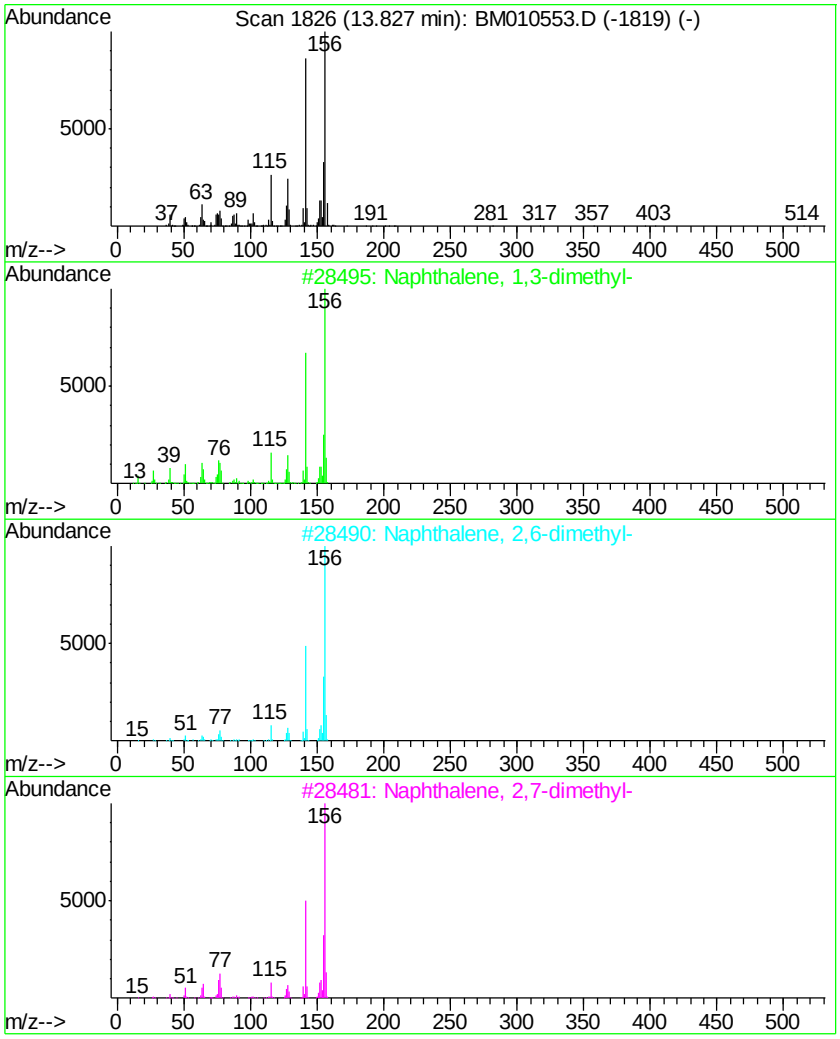
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

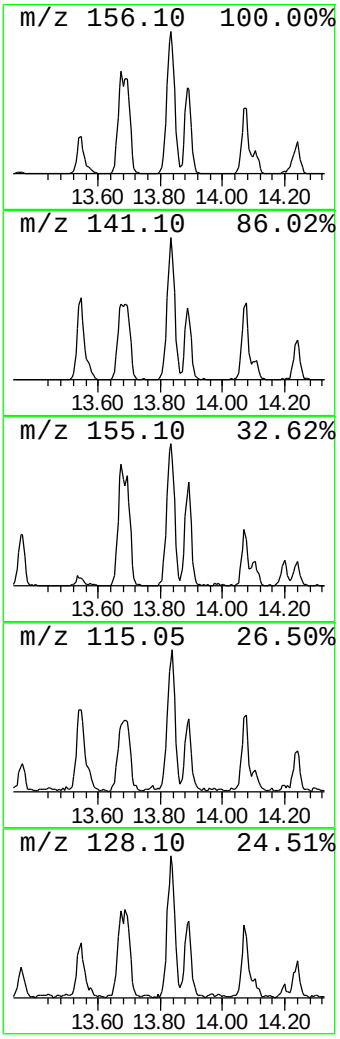
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	22.57 ng/ul	1725830	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, 2,6-dimethyl-	156	C12H12	000581-42-0	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, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

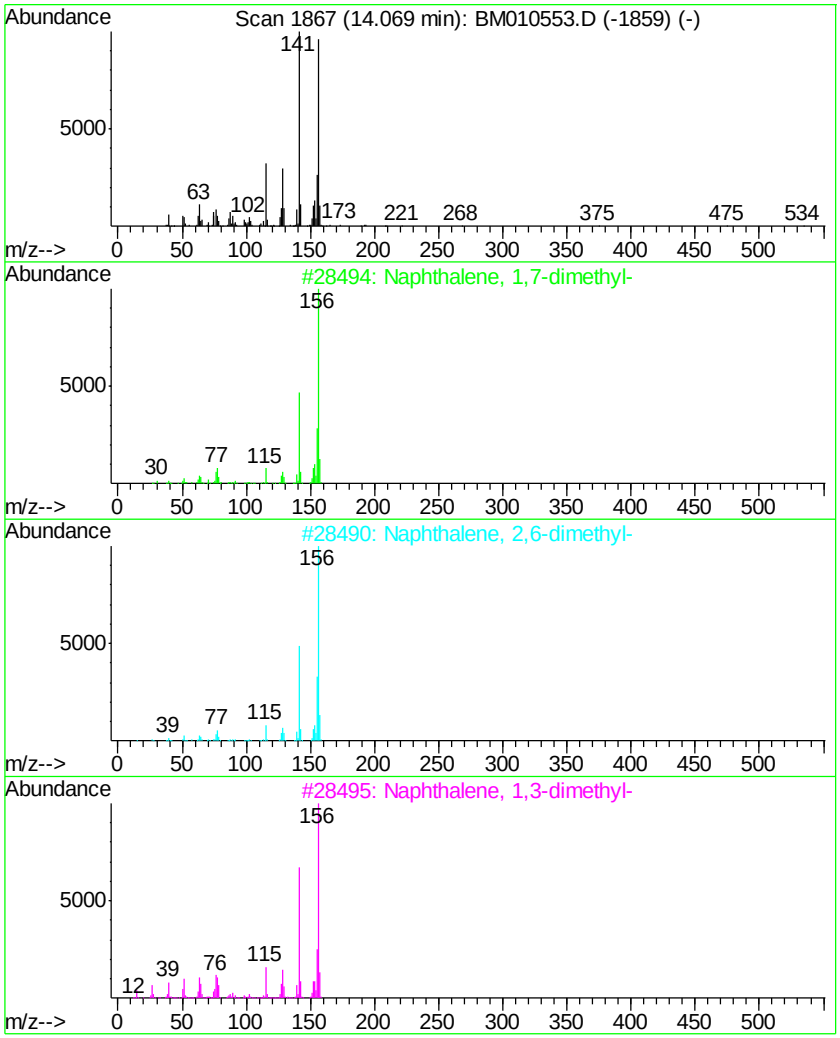
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

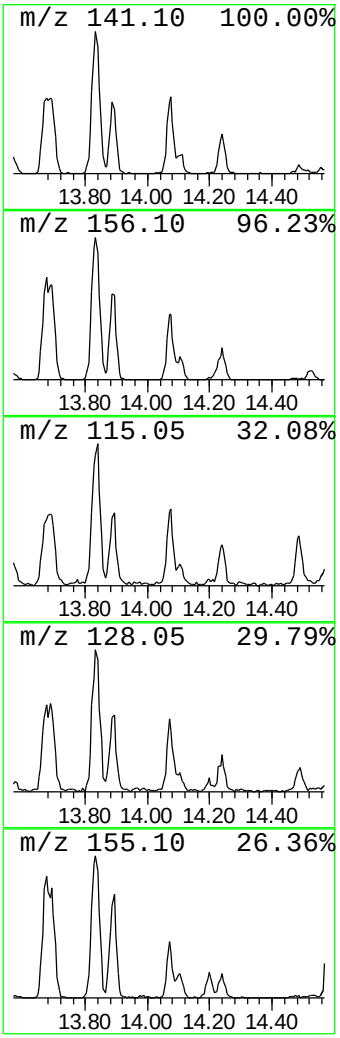
****

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	9.22 ng/ul	704843	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

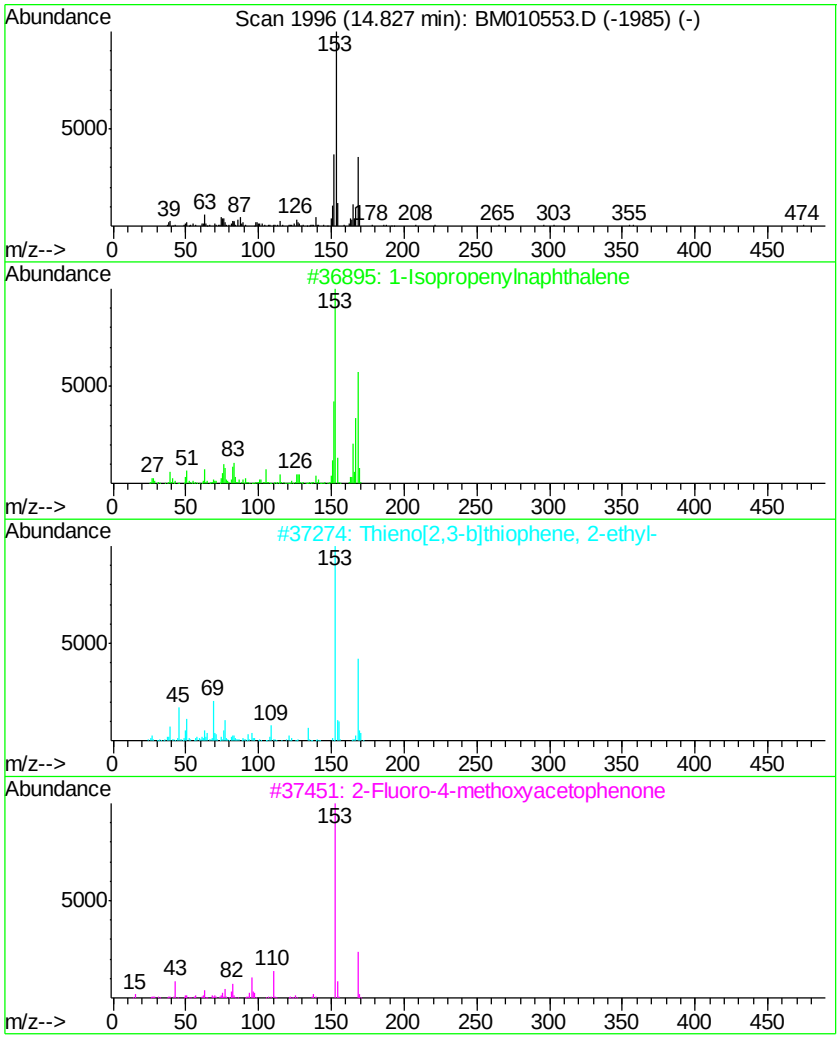
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

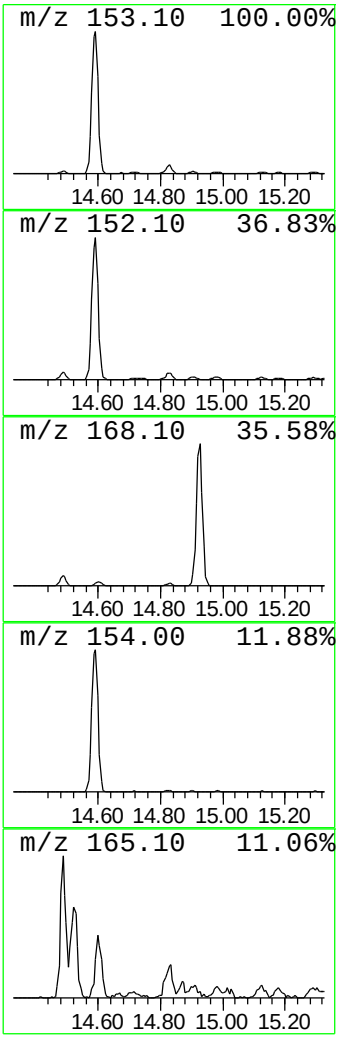
****

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	6.49 ng/ul	496105	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
3	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
5	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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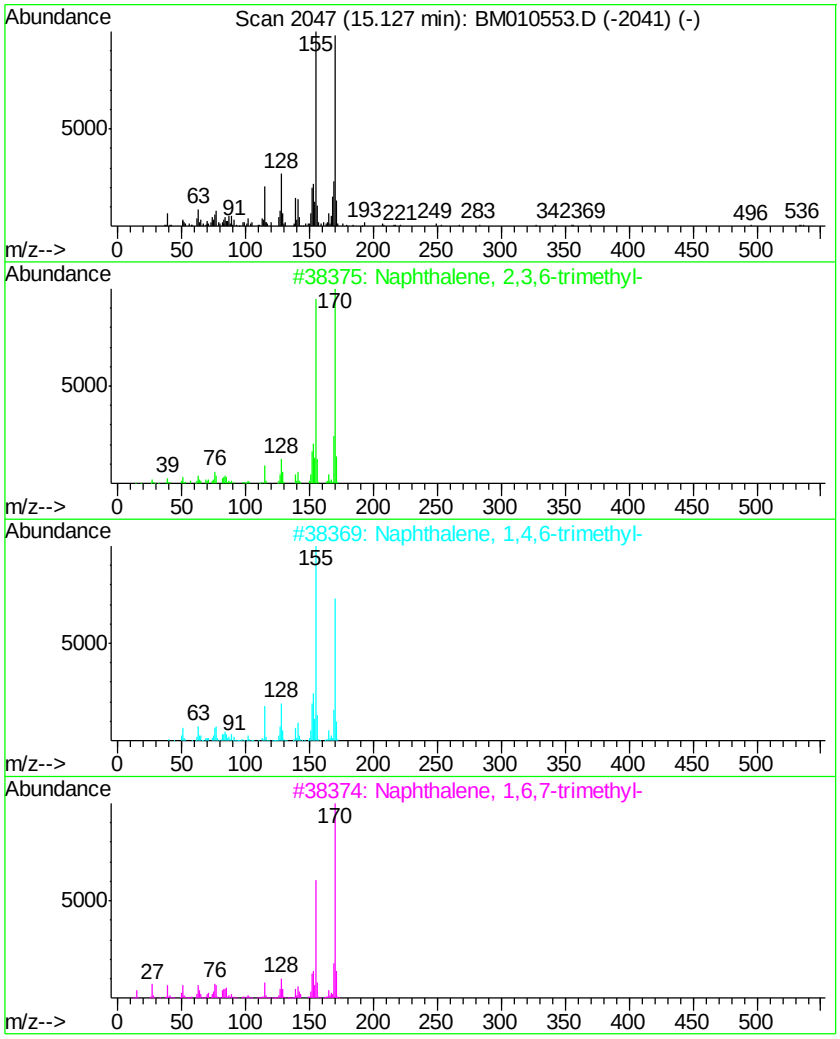
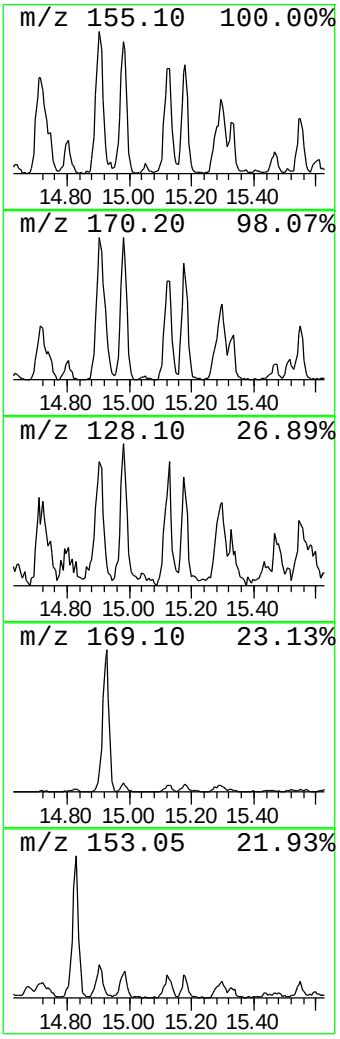
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	6.42 ng/ul	490861	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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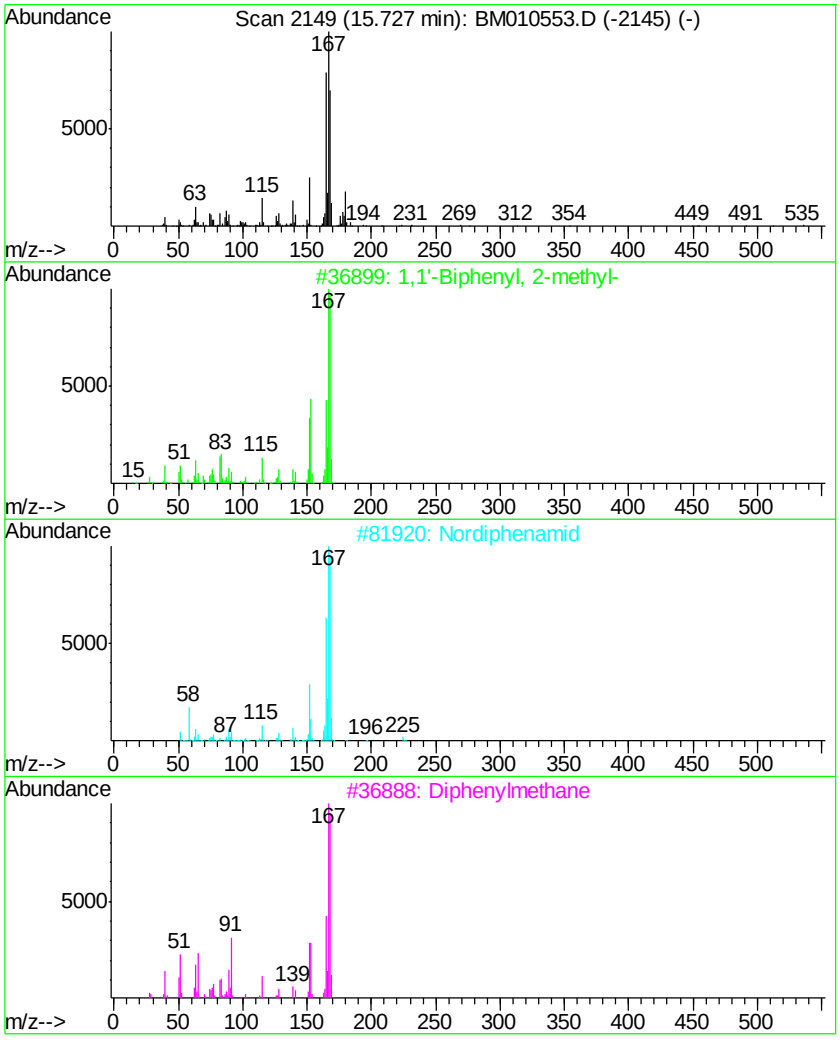
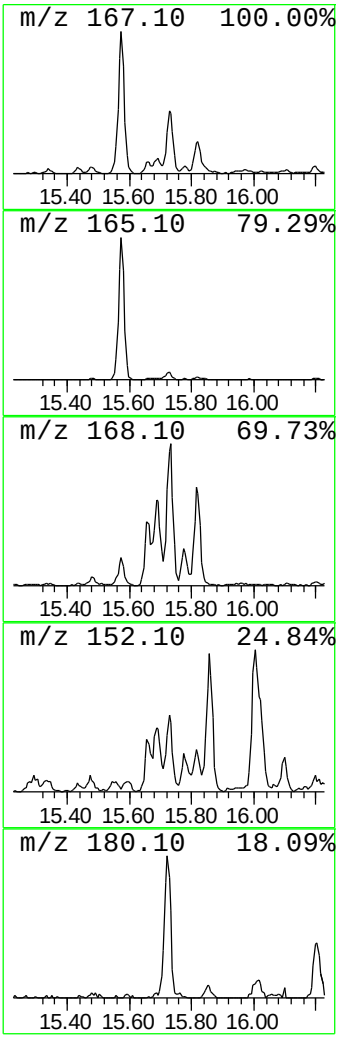
Peak Number 9 1,1'-Biphenyl, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	14.52 ng/ul	1110620	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
2	Nordiphenamid	225	C15H15NO	000954-21-2	59
3	Diphenylmethane	168	C13H12	000101-81-5	53
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	53





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Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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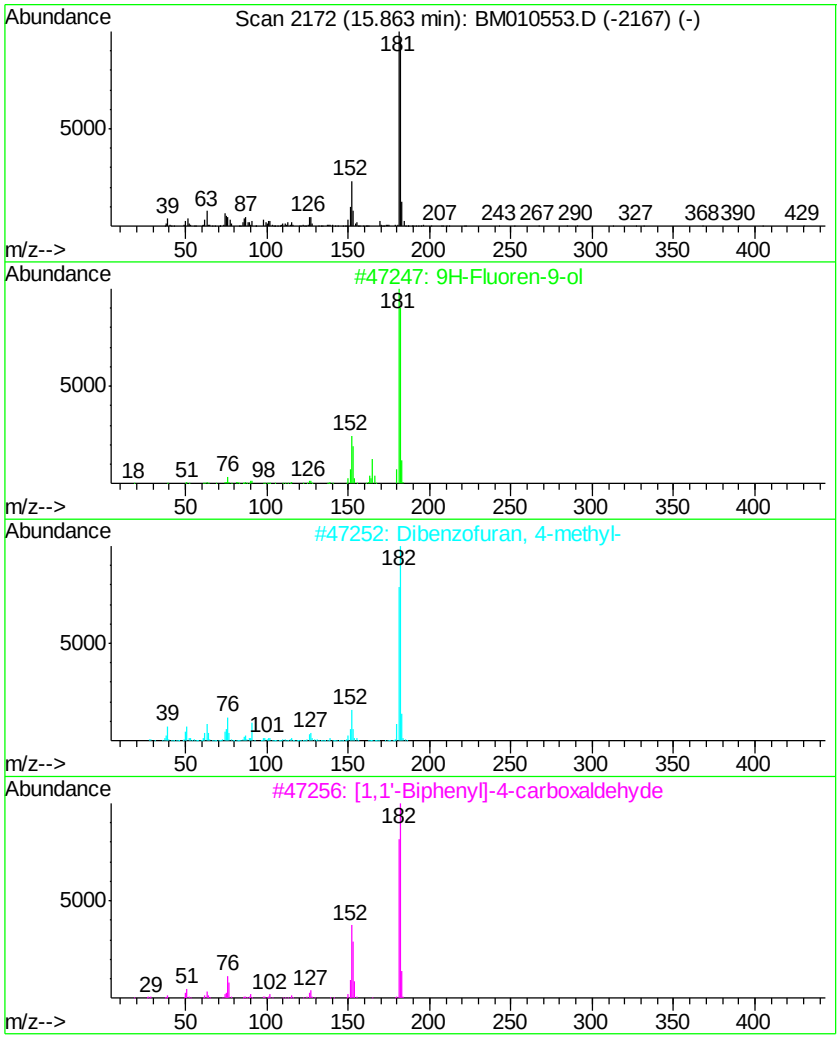
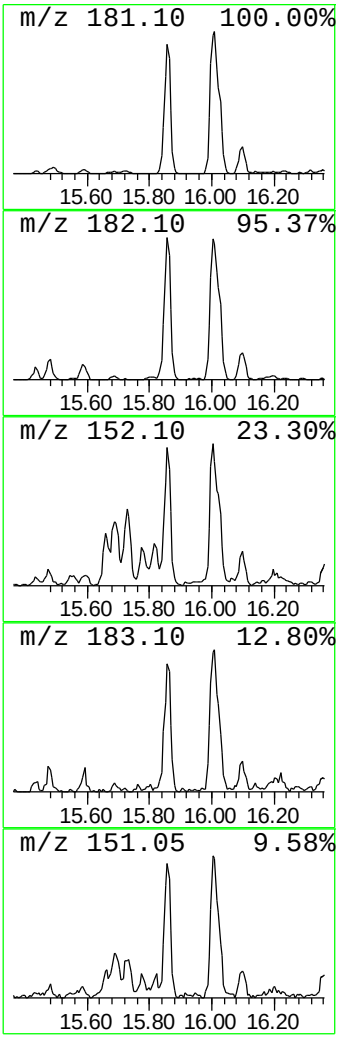
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	22.41 ng/ul	1713610	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

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

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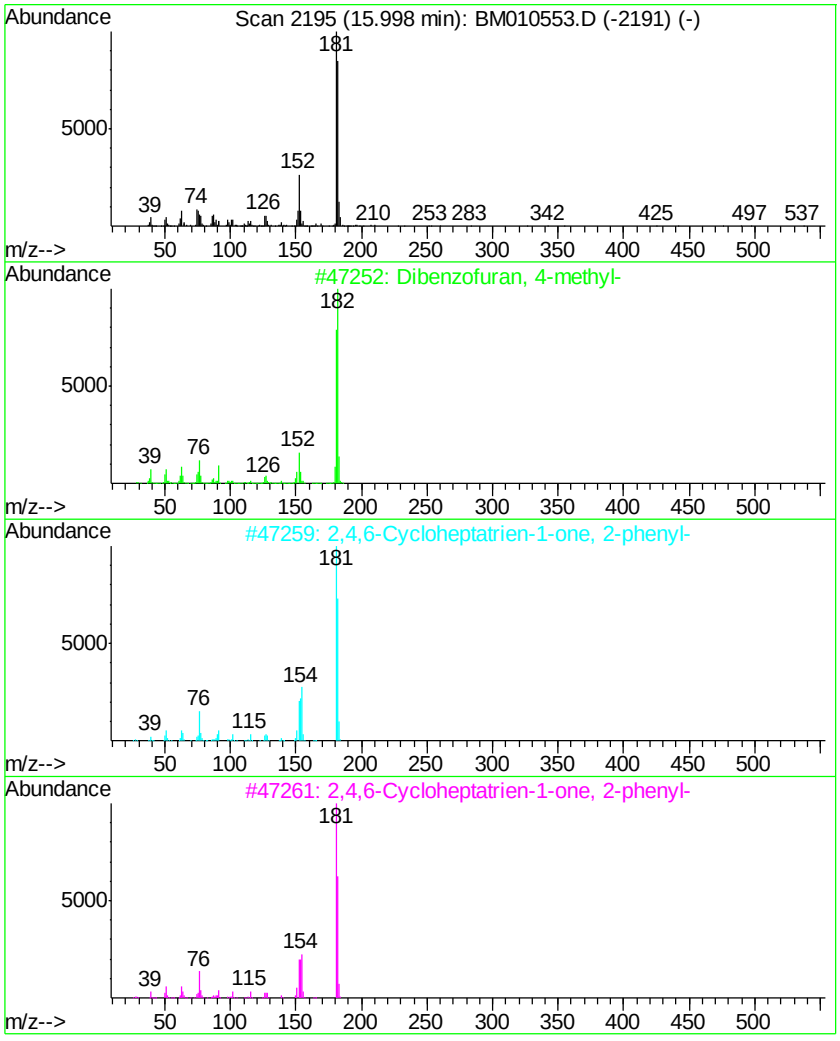
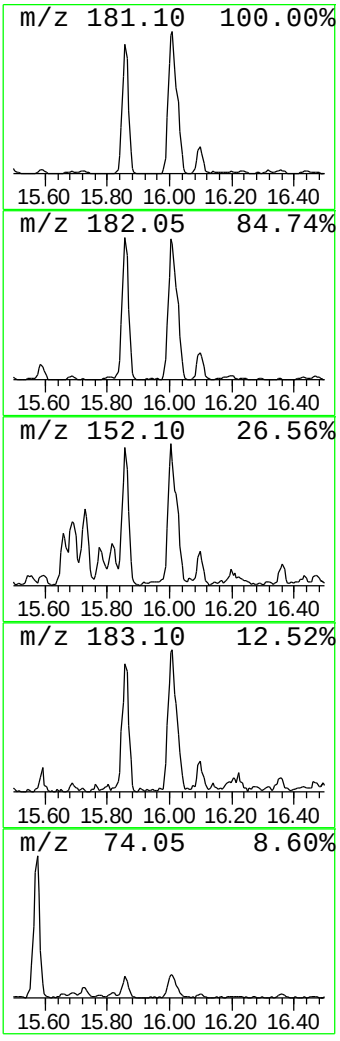
Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	19.16 ng/ul	2339520	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	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	90
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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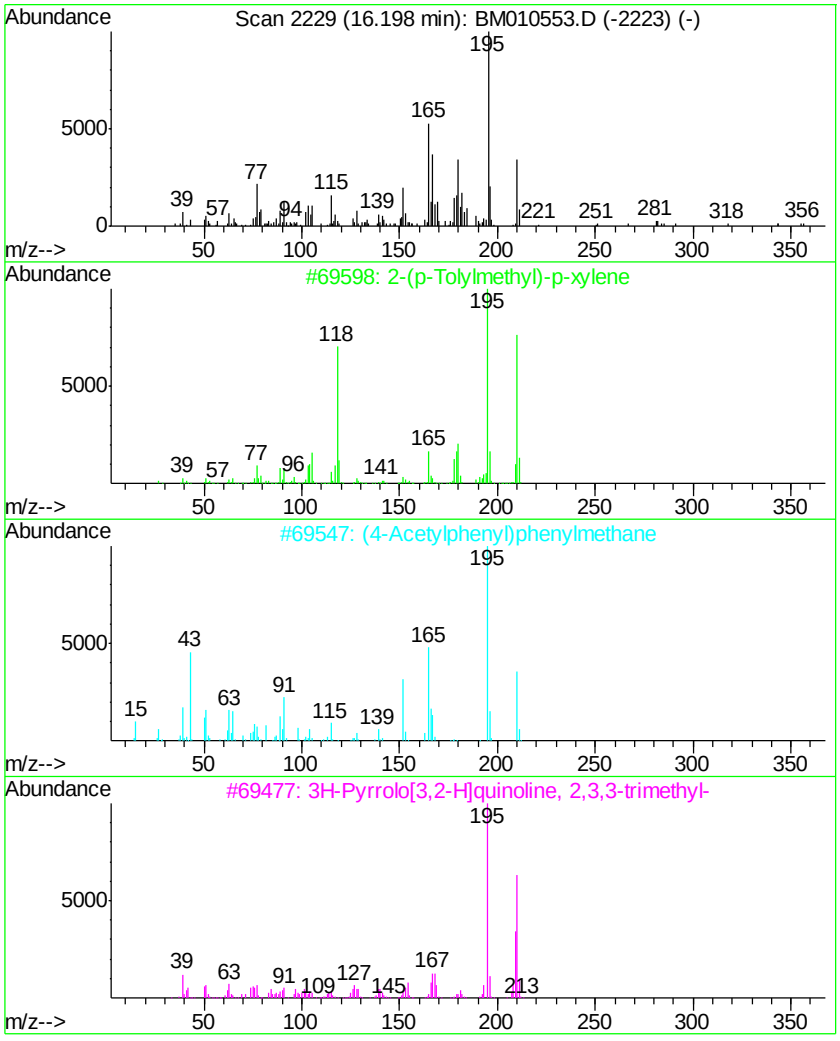
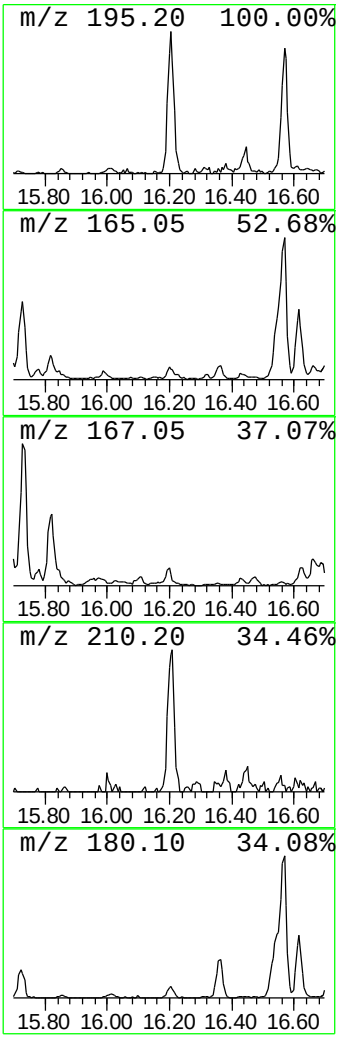
Peak Number 12 2-(p-Tolylmethyl)-p-xylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	4.74 ng/ul	578413	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	81
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
3	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	53
4	1H-Indene-1,3(2H)-dione, 2-hydro...	356	C23H16O4	050616-96-1	53
5	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	52





Library Search Compound Report

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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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Quant Title : SVOA CALIBRATION

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

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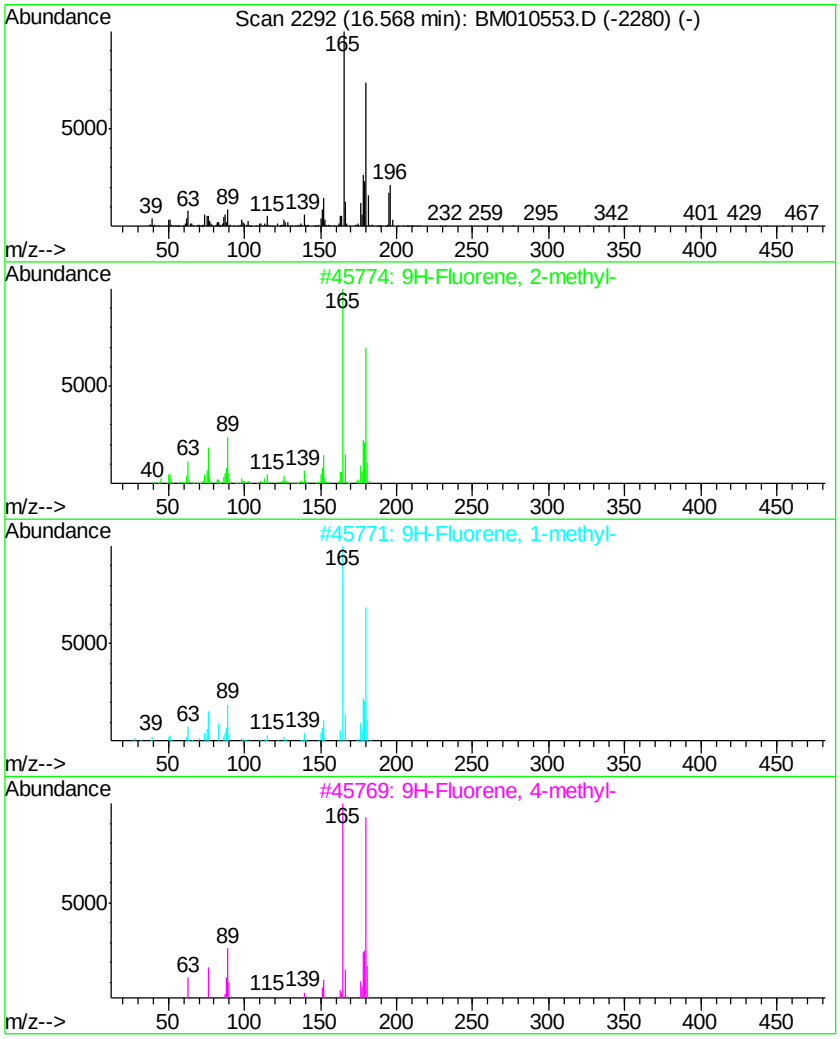
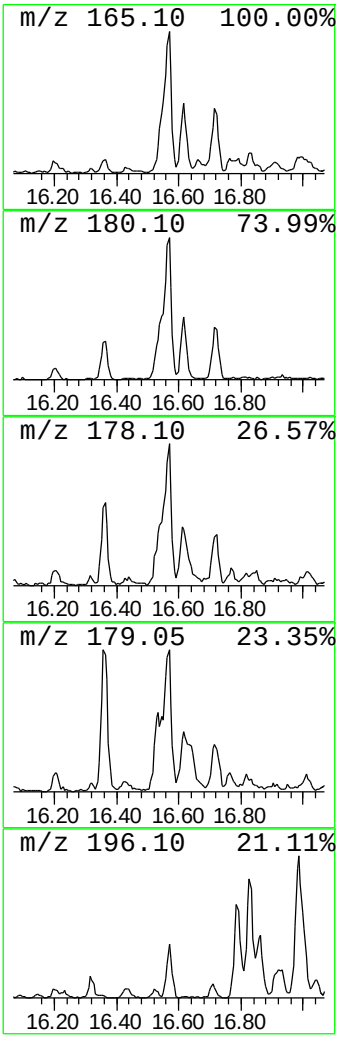
Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	16.56 ng/ul	2021920	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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Quant Title : SVOA CALIBRATION

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

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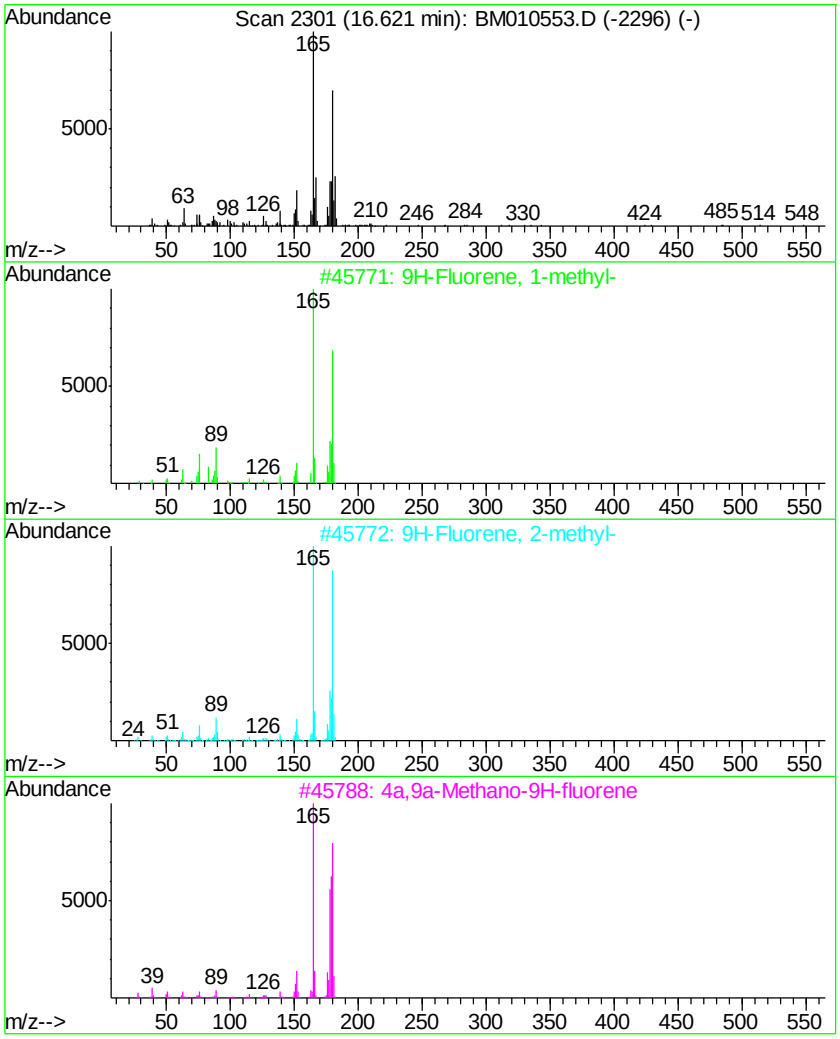
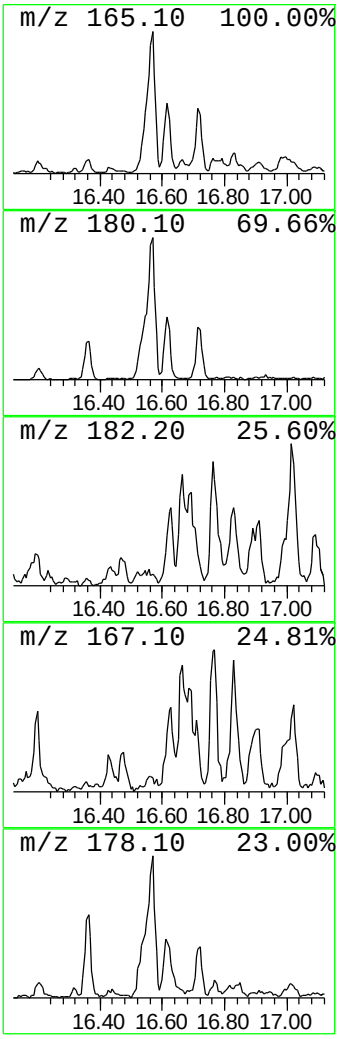
Peak Number 14 9H-Fluorene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	4.58 ng/ul	559562	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





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Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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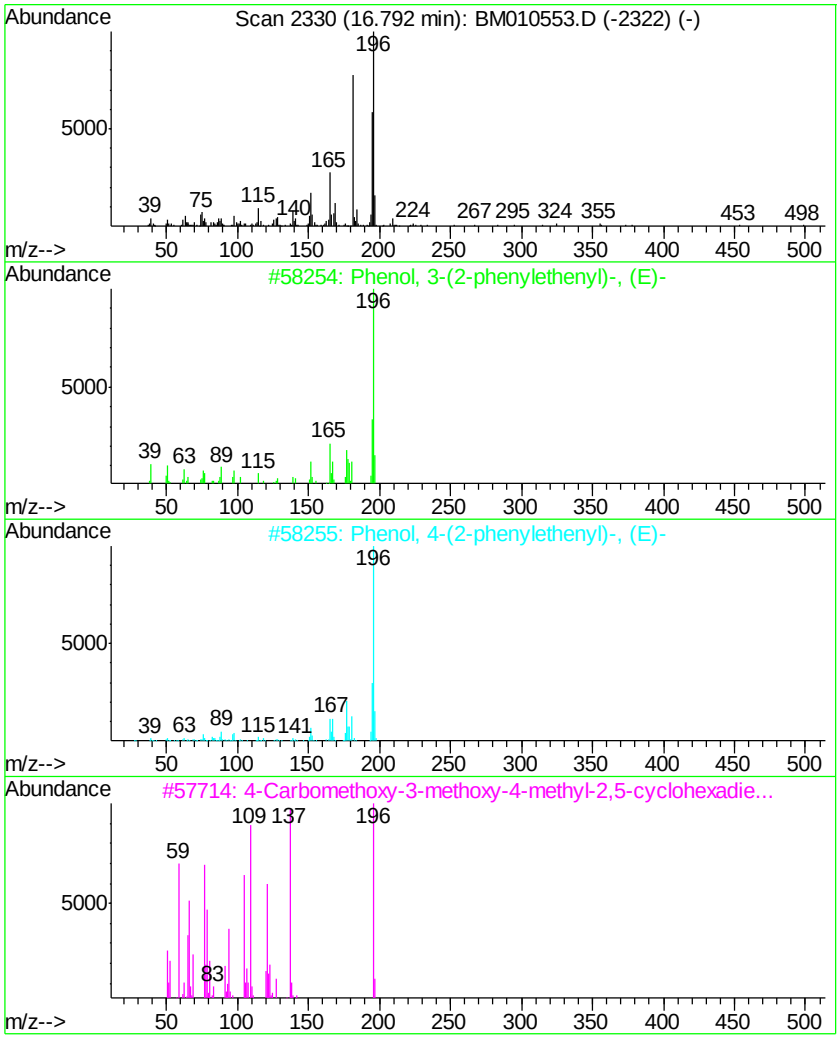
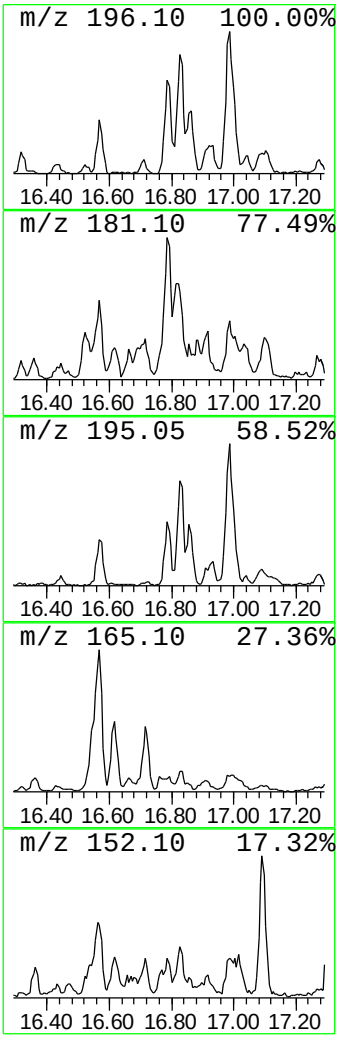
Peak Number 16 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	6.70 ng/ul	818388	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38
3	4-Carbomethoxy-3-methoxy-4-methy...	196	C10H12O4	120696-19-7	35
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	30
5	2-(4-Pyridyl)(1,2,4)triazolo(1,5...	196	C11H8N4	007211-81-6	30





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Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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Quant Title : SVOA CALIBRATION

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

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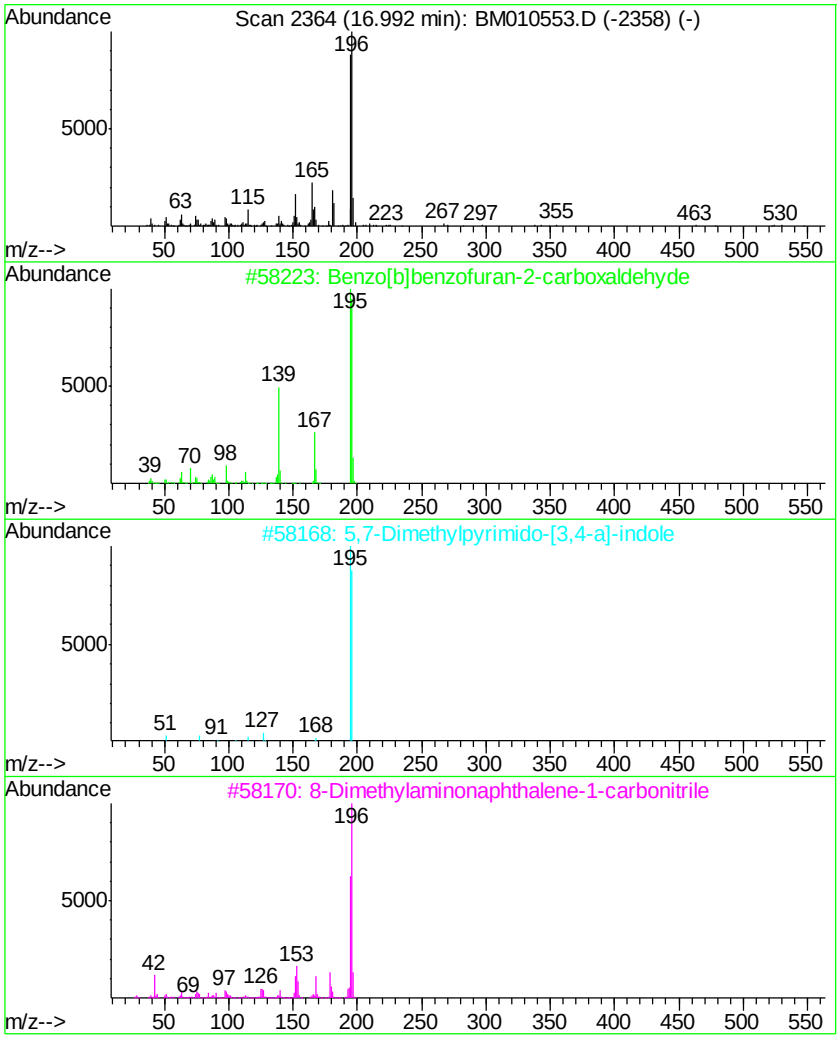
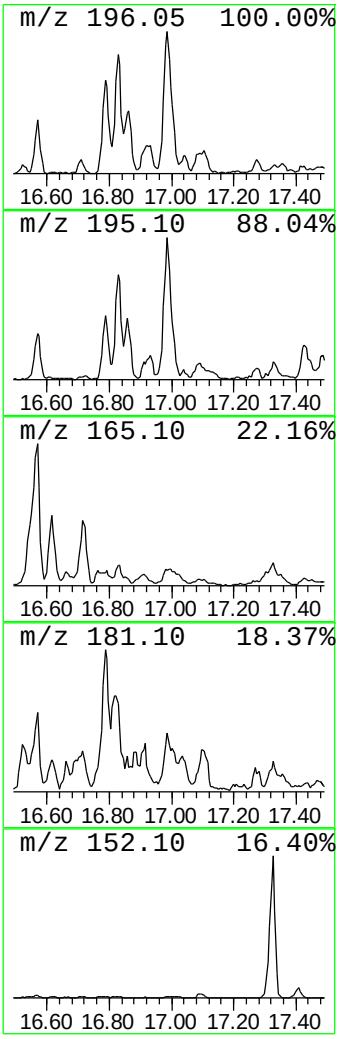
Peak Number 17 Benzo[b]benzofuran-2-carbox... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	9.50 ng/ul	1160500	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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Quant Title : SVOA CALIBRATION

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

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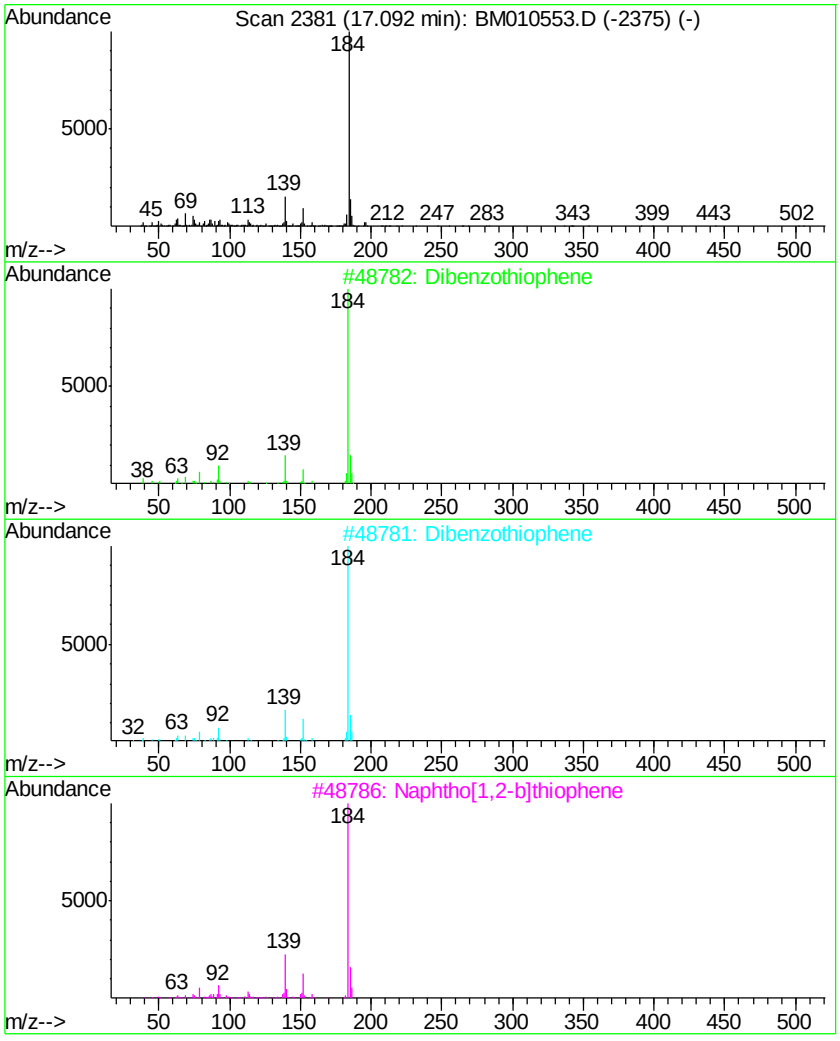
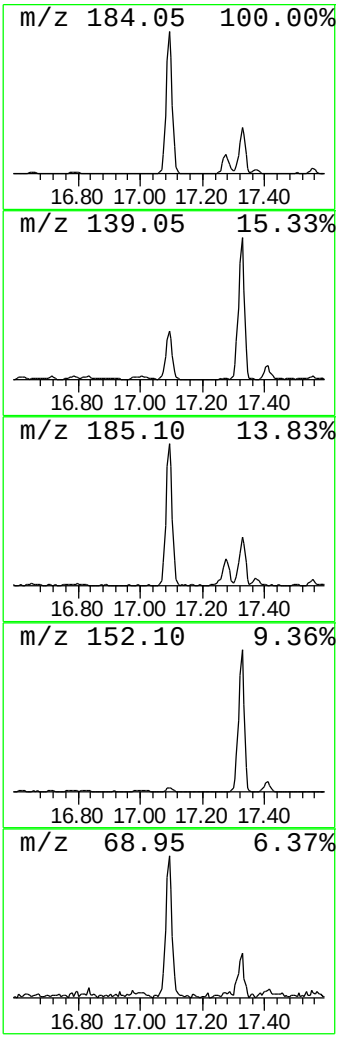
Peak Number 18 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	19.37 ng/ul	2365230	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





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Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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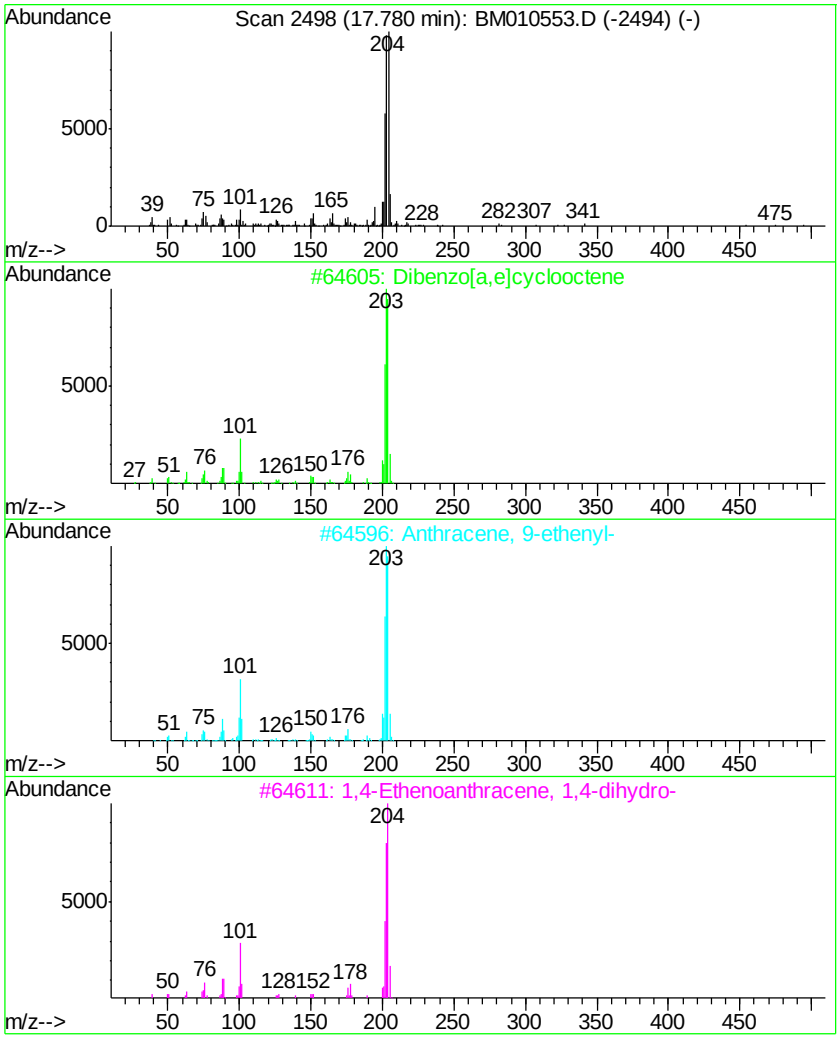
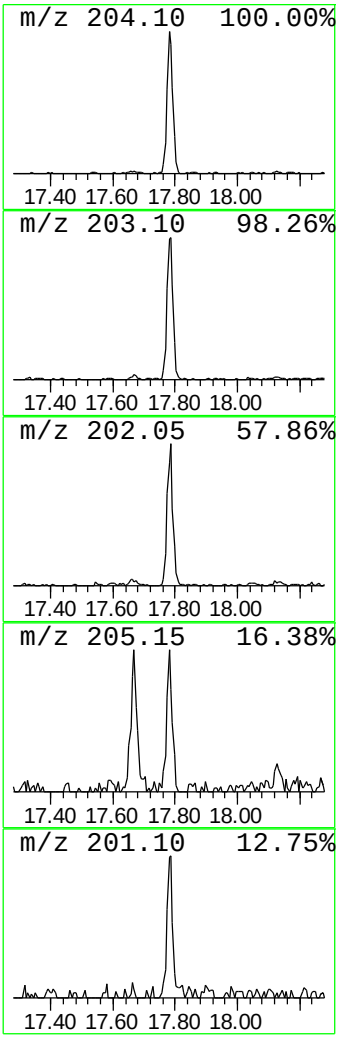
Peak Number 19 Dibenzo[a,e]cyclooctene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	6.55 ng/ul	799570	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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Quant Title : SVOA CALIBRATION

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

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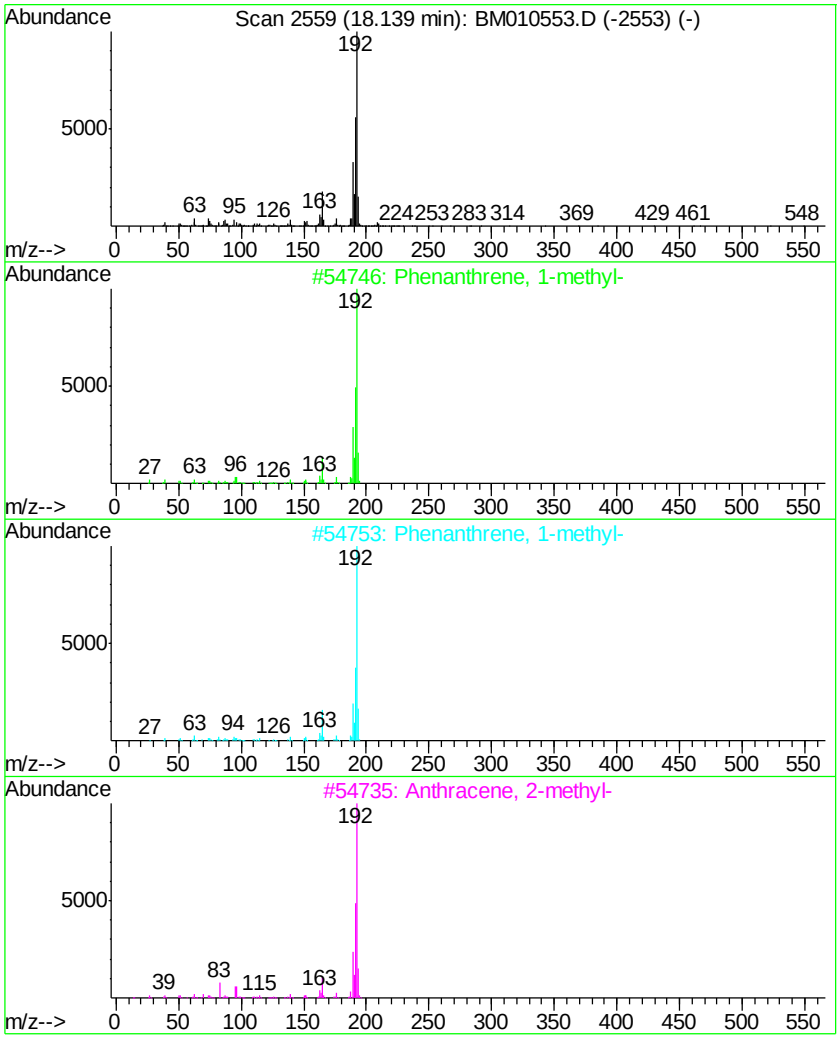
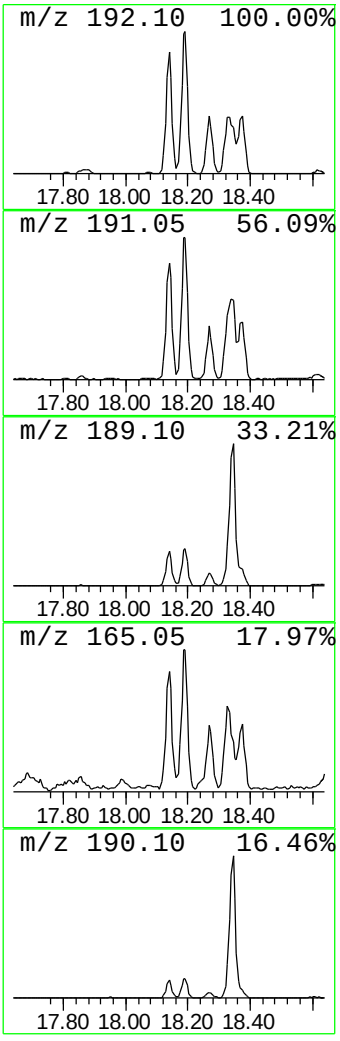
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	22.03 ng/ul	2690370	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : I3522-18DL 5X
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Instrument : BNA_M
ClientSampleId : F5C32DL

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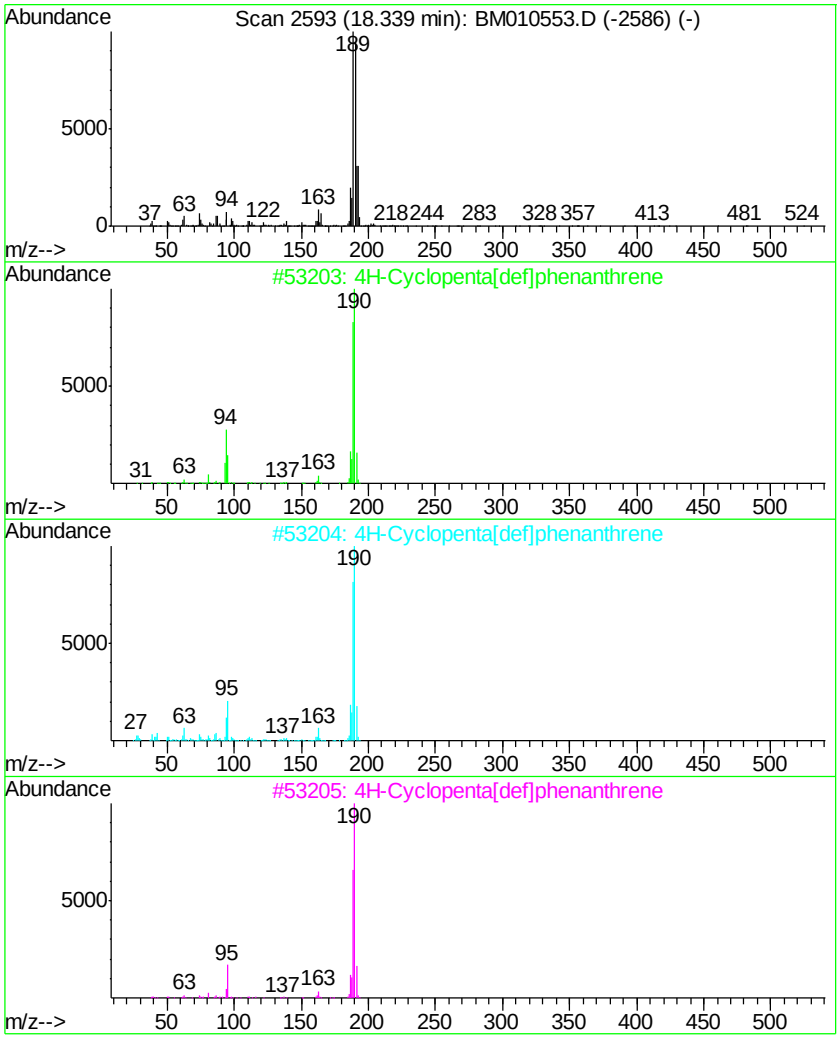
Quant Title : SVOA CALIBRATION

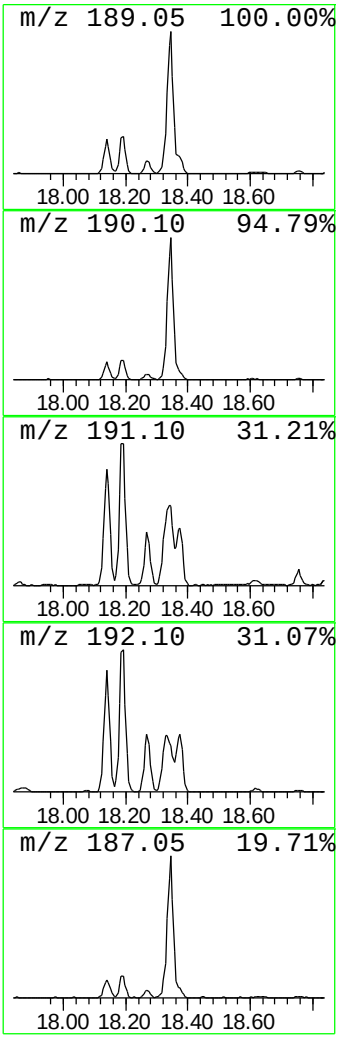
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	44.83 ng/ul	5474290	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

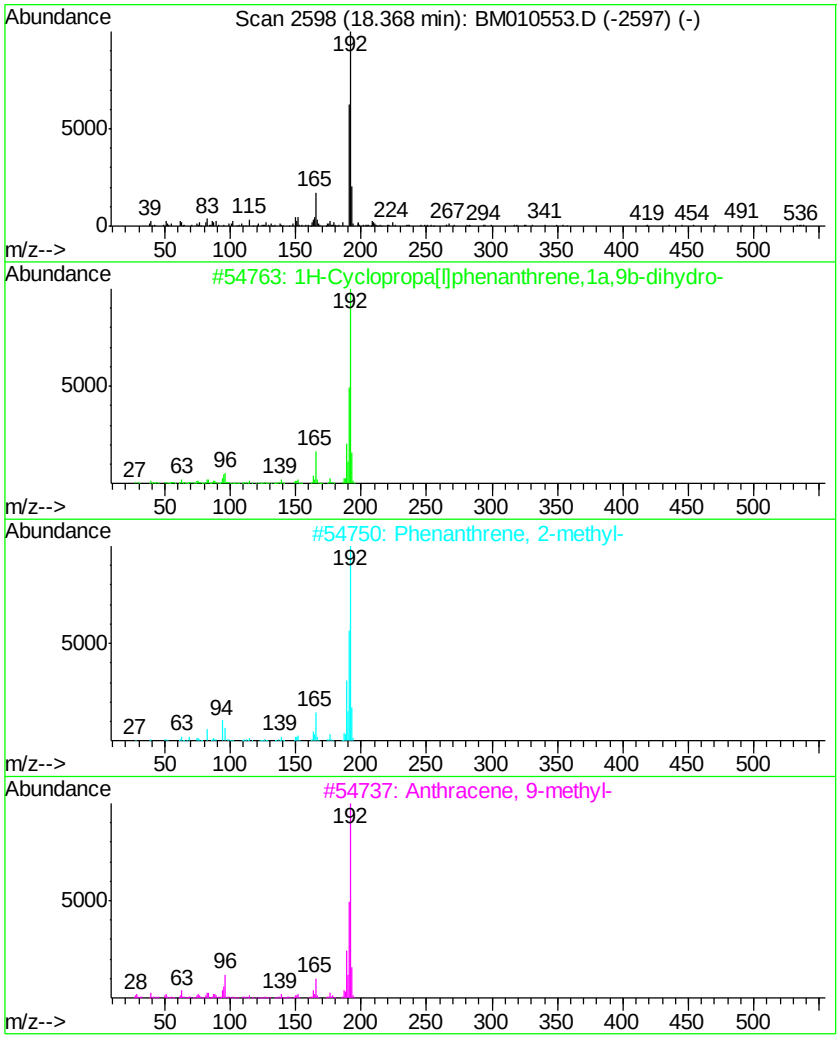
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

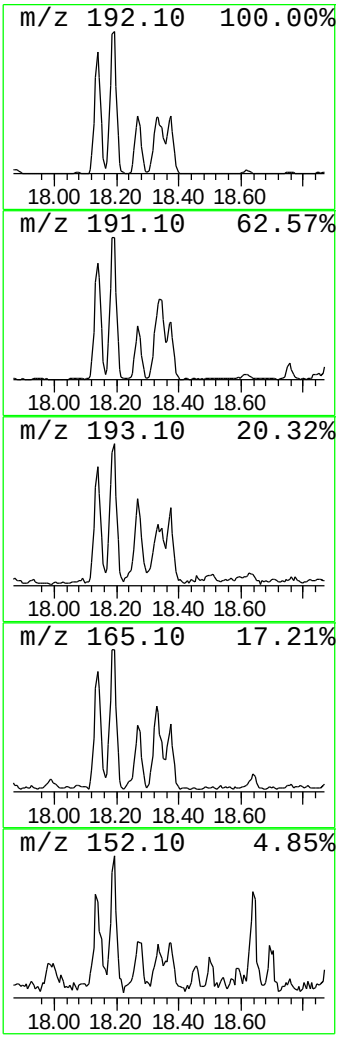
****

Peak Number 24 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	9.02 ng/ul	1100960	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

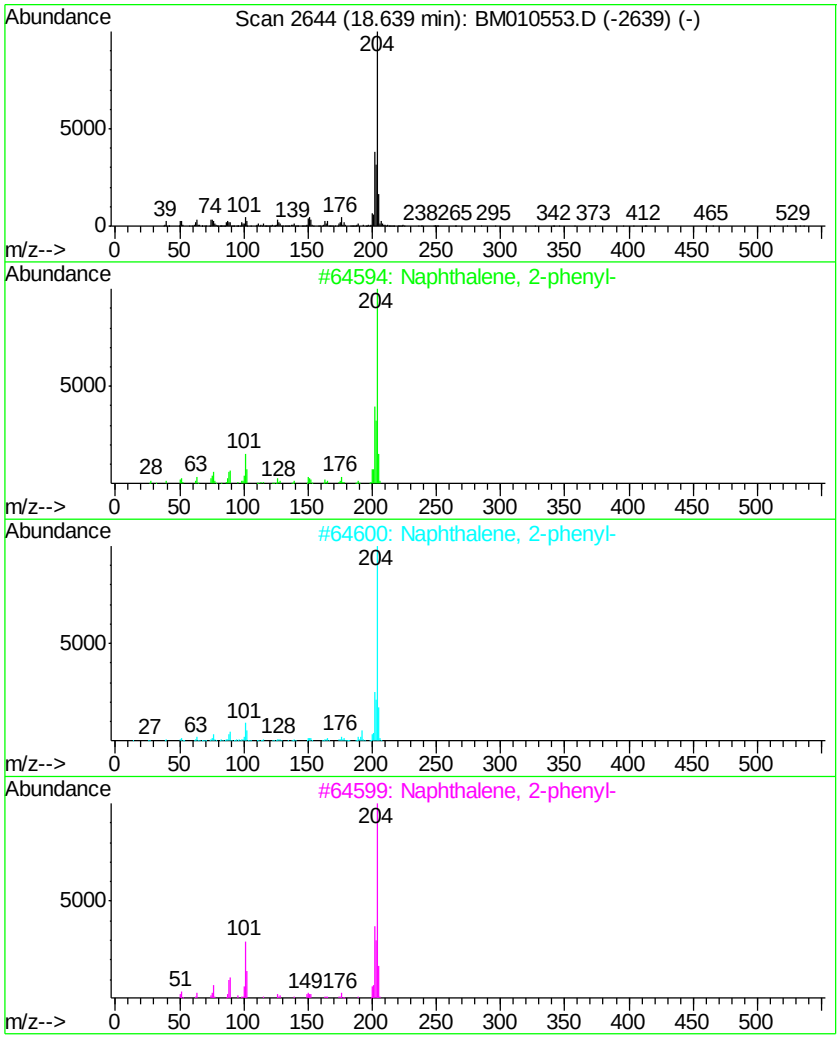
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

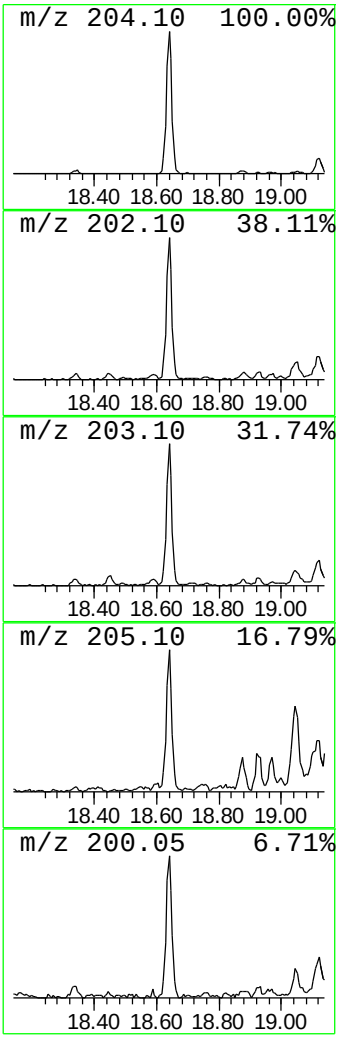
****

Peak Number 25 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	15.96 ng/ul	1948840	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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

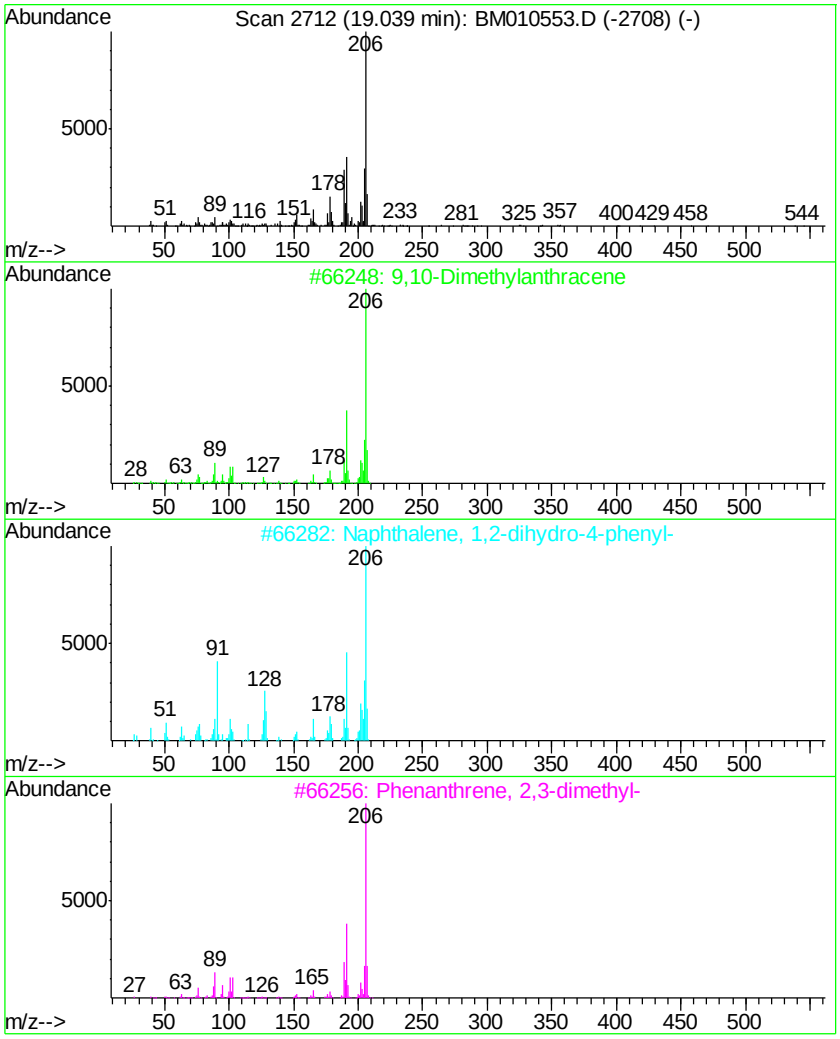
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

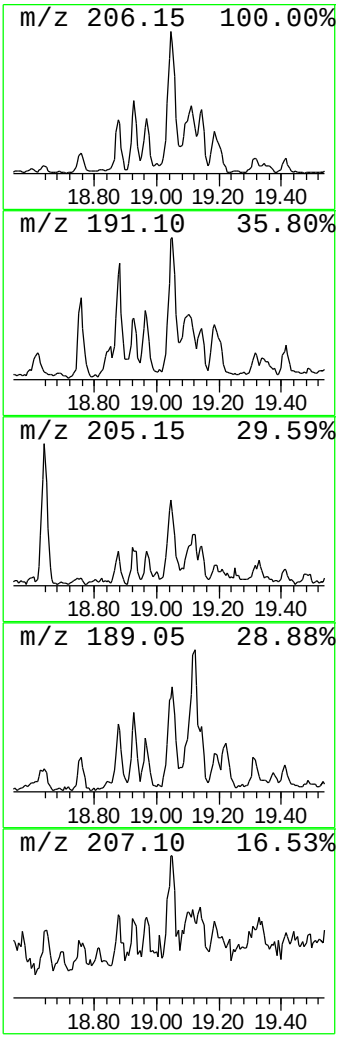
****

Peak Number 26 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	9.80 ng/ul	1196100	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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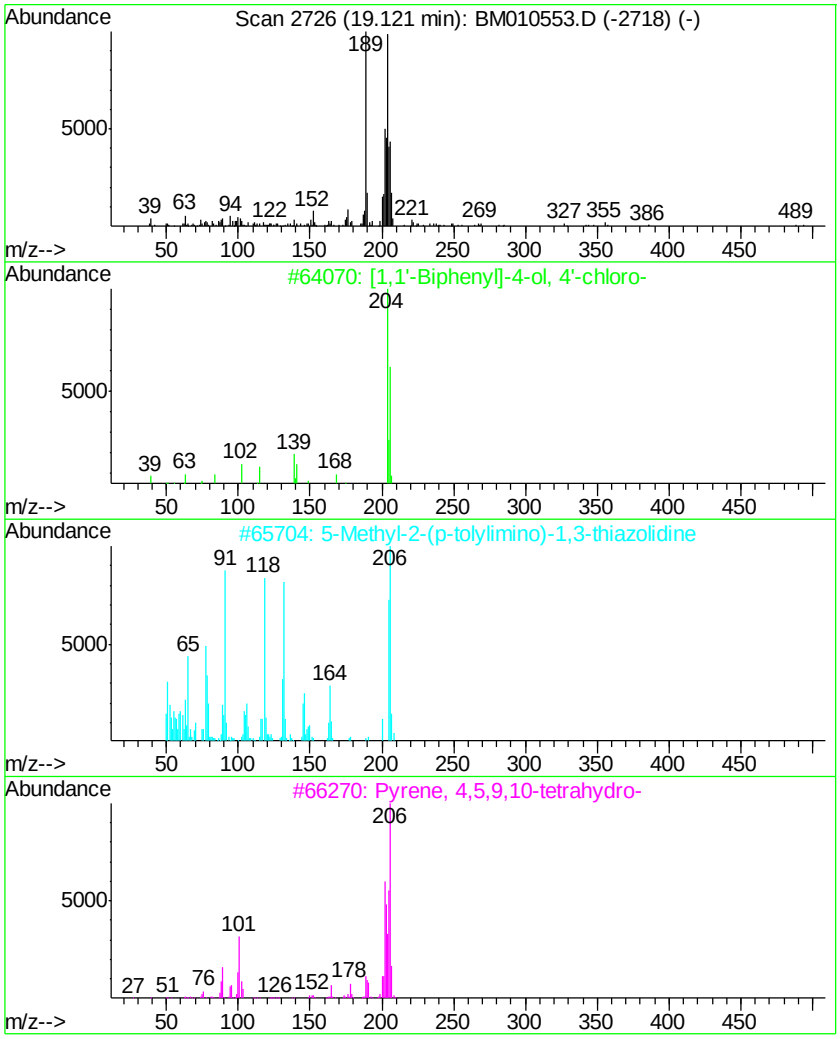
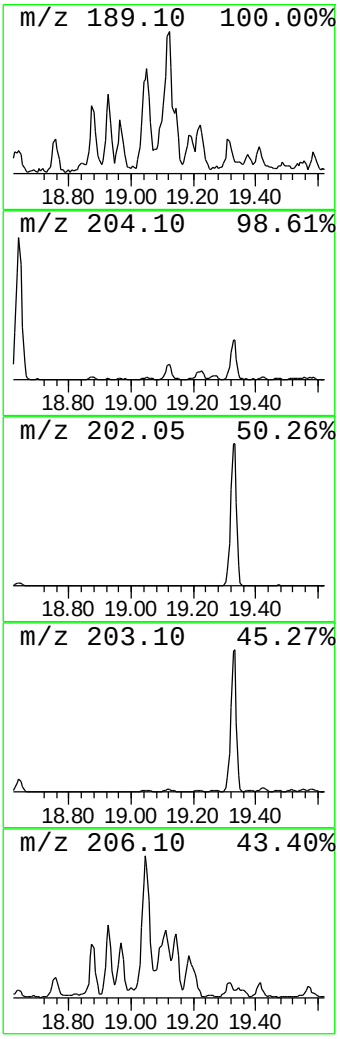
Peak Number 27 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	4.84 ng/ul	591301	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
2	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	27
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	25
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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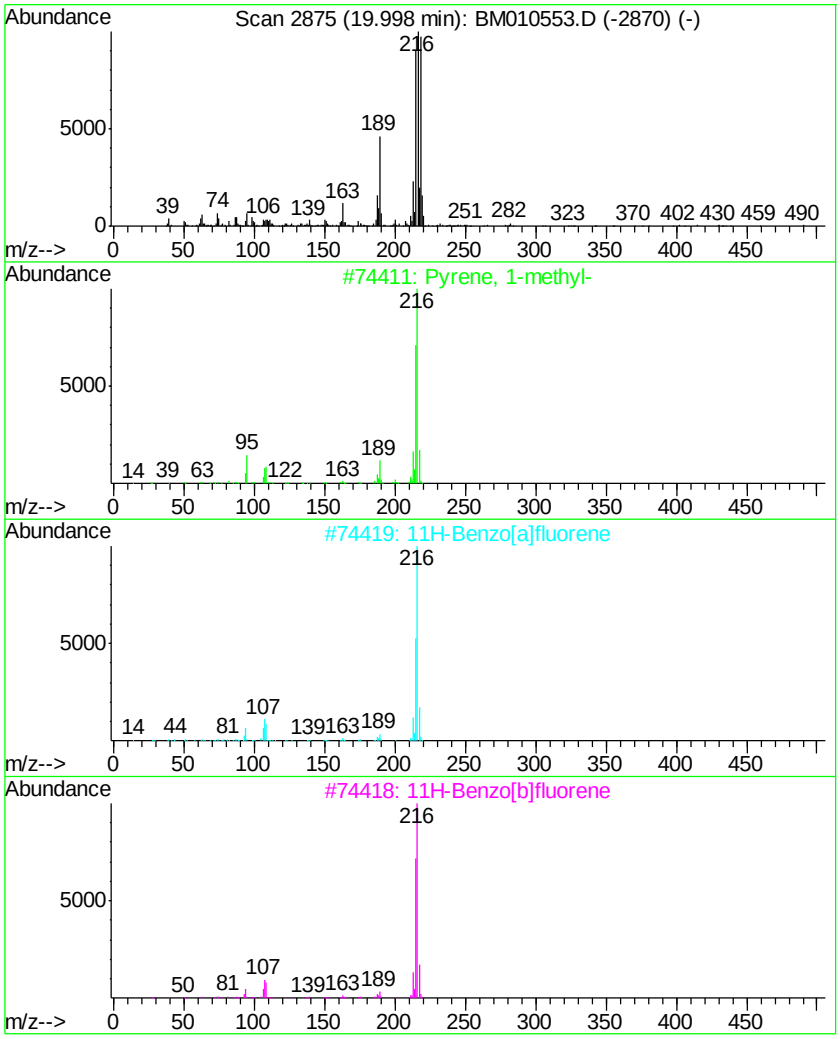
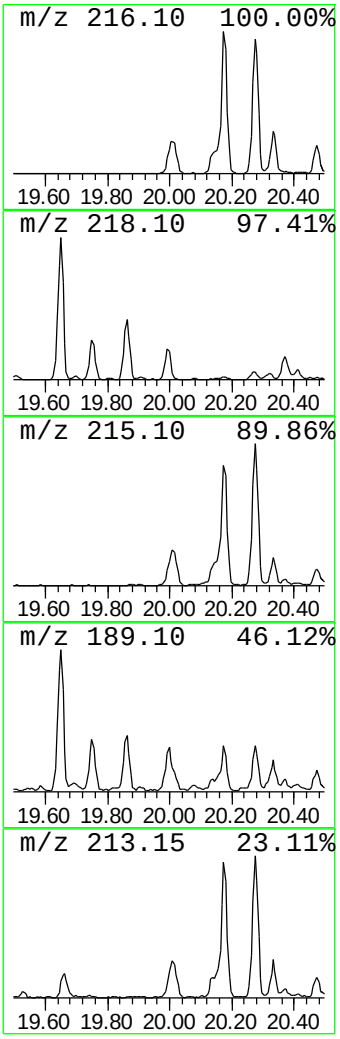
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.19 ng/ul	2015190	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	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





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Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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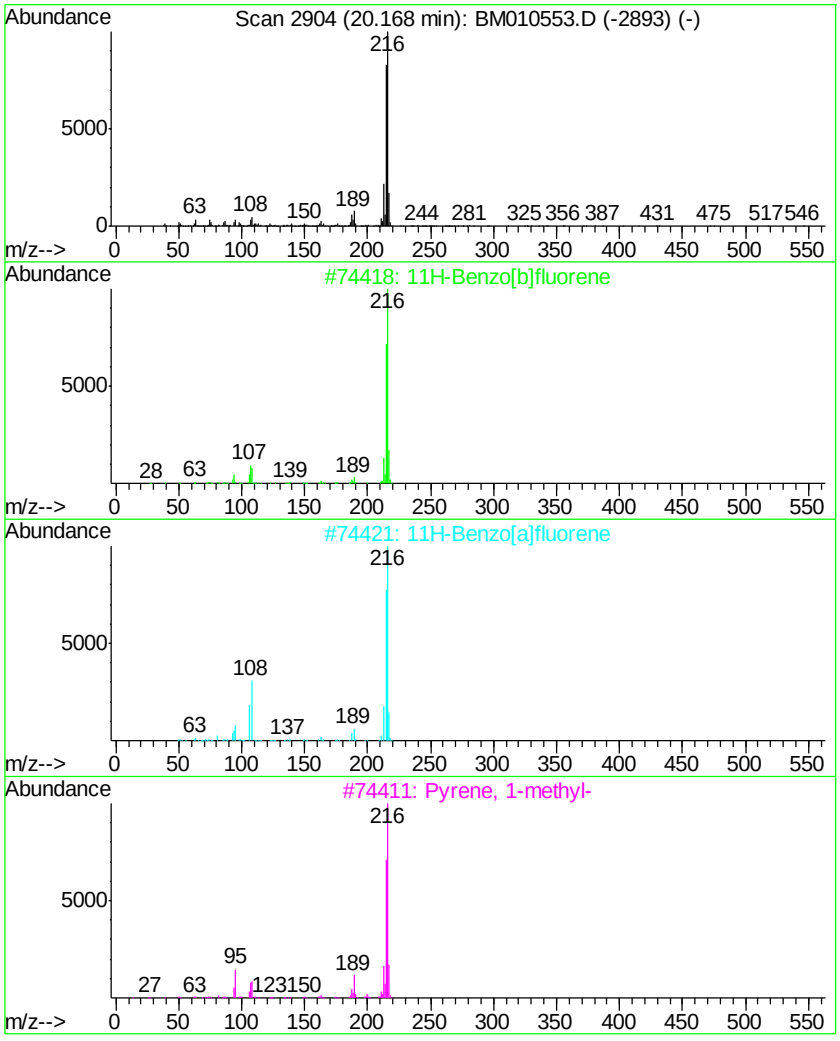
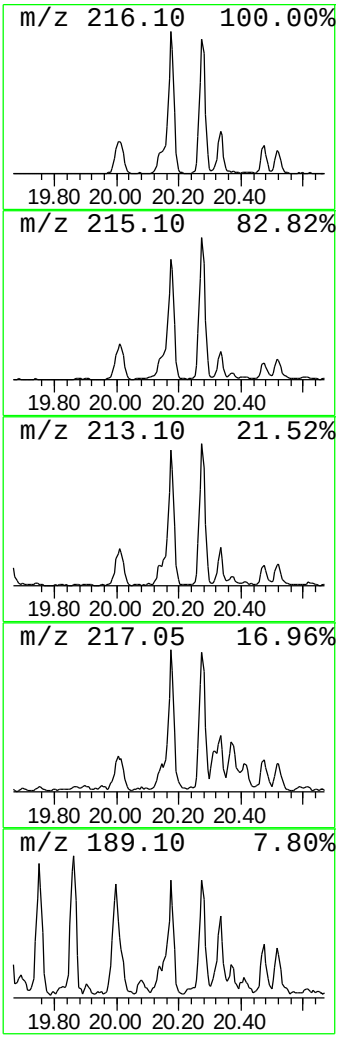
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	6.95 ng/ul	4395150	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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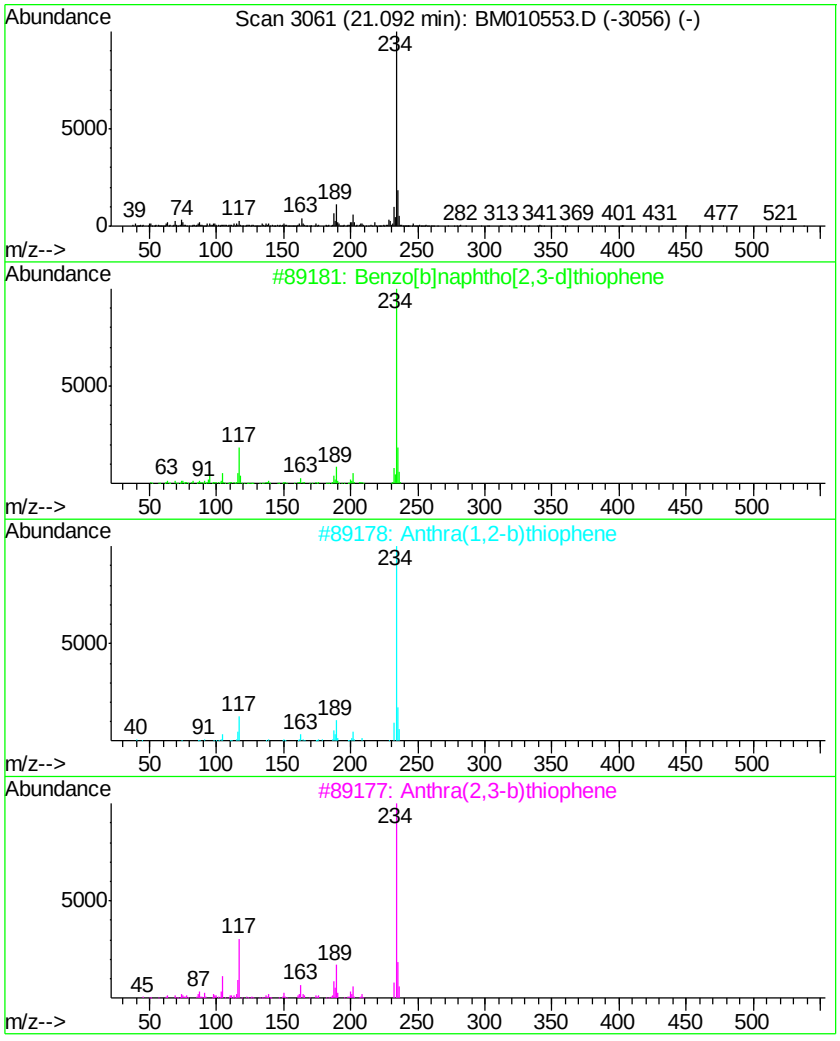
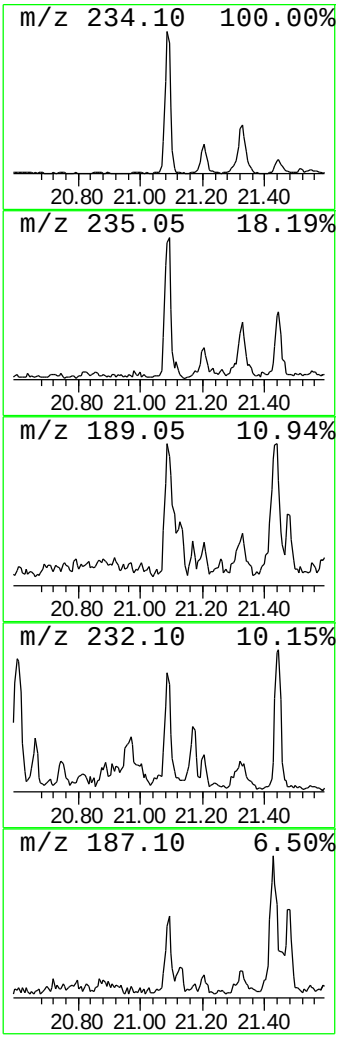
Peak Number 31 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.06 ng/ul	1302180	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	94
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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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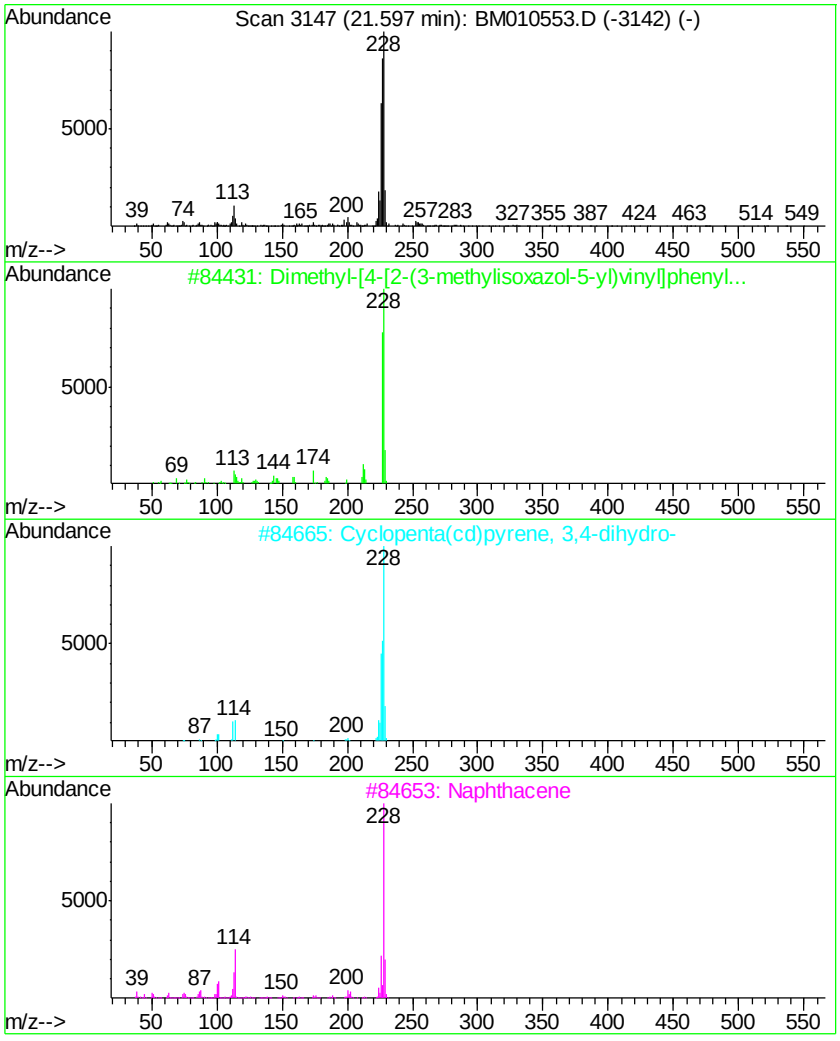
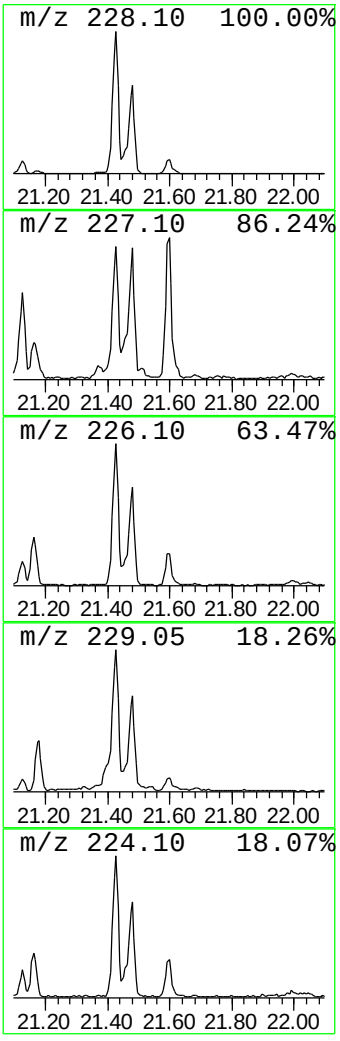
Peak Number 32 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	2.37 ng/ul	1500290	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Naphthacene	228	C18H12	000092-24-0	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C32DL

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	19.3	ng/ul	1042770	2	10.69	1083530	20.0
Naphthalene, 2,7-...	13.67	11.3	ng/ul	862930	3	14.52	1529490	20.0
Naphthalene, 1,3-...	13.83	22.6	ng/ul	1725830	3	14.52	1529490	20.0
Naphthalene, 1,7-...	14.07	9.2	ng/ul	704843	3	14.52	1529490	20.0
1-Isopropenylnaph...	14.83	6.5	ng/ul	496105	3	14.52	1529490	20.0
Naphthalene, 2,3,...	15.13	6.4	ng/ul	490861	3	14.52	1529490	20.0
1,1'-Biphenyl, 2-...	15.73	14.5	ng/ul	1110620	3	14.52	1529490	20.0
9H-Fluoren-9-ol	15.86	22.4	ng/ul	1713610	3	14.52	1529490	20.0
Dibenzofuran, 4-m...	16.00	19.2	ng/ul	2339520	4	17.27	2441980	20.0
2-(p-Tolylmethyl)...	16.20	4.7	ng/ul	578413	4	17.27	2441980	20.0
9H-Fluorene, 2-me...	16.57	16.6	ng/ul	2021920	4	17.27	2441980	20.0
9H-Fluorene, 1-me...	16.62	4.6	ng/ul	559562	4	17.27	2441980	20.0
unknown-01	16.79	6.7	ng/ul	818388	4	17.27	2441980	20.0
Benzo[b]benzofura...	16.99	9.5	ng/ul	1160500	4	17.27	2441980	20.0
Dibenzothiophene	17.09	19.4	ng/ul	2365230	4	17.27	2441980	20.0
Dibenzo[a,e]cyclo...	17.78	6.5	ng/ul	799570	4	17.27	2441980	20.0
Phenanthrene, 1-m...	18.14	22.0	ng/ul	2690370	4	17.27	2441980	20.0
4H-Cyclopenta[def...	18.34	44.8	ng/ul	5474290	4	17.27	2441980	20.0
1H-Cyclopropa[l]p...	18.37	9.0	ng/ul	1100960	4	17.27	2441980	20.0
Naphthalene, 2-ph...	18.64	16.0	ng/ul	1948840	4	17.27	2441980	20.0
9,10-Dimethylanth...	19.04	9.8	ng/ul	1196100	4	17.27	2441980	20.0
unknown-02	19.12	4.8	ng/ul	591301	4	17.27	2441980	20.0
Pyrene, 1-methyl-	20.00	3.2	ng/ul	2015190	5	21.44	12645300	20.0
11H-Benzo[b]fluorene	20.17	7.0	ng/ul	4395150	5	21.44	12645300	20.0
Benzo[b]naphtho[2...	21.09	2.1	ng/ul	1302180	5	21.44	12645300	20.0
Dimethyl-[4-[2-(3...	21.60	2.4	ng/ul	1500290	5	21.44	12645300	20.0