LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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	508568	838133	2.61%	0.485%
2	10.693	1285	1293	1296	rBV	599458	1082794	3.37%	0.627%
3	10.746	1296	1302	1313	rVB	10078923	15432717	48.00%	8.937%
4	10.863	1313	1322	1328	rBV	340892	613054	1.91%	0.355%
5	12.345	1565	1574	1584	rBV	5181473	7996234	24.87%	4.631%
6	12.563	1601	1611	1618	rVB	2476274	3671441	11.42%	2.126%
7	13.351	1738	1745	1751	rBV	1236772	1802598	5.61%	1.044%
8	13.545	1772	1778	1789	rVB	372243	724333	2.25%	0.419%
9	13.675	1793	1800	1801	rBV	643235	923379	2.87%	0.535%
10	13.834	1820	1827	1832	rBV	910406	1671762	5.20%	0.968%
11	13.887	1832	1836	1842	rVV	581243	842808	2.62%	0.488%
12	14.075	1861	1868	1871	rBV	372832	588219	1.83%	0.341%
13	14.239	1885	1896	1903	rBV6	257216	610126	1.90%	0.353%
14	14.486	1933	1938	1941	rBV	570239	828371	2.58%	0.480%
15	14.522	1941	1944	1949	rVV2	946193	1434405	4.46%	0.831%
16	14.592	1949	1956	1962	rVB	4848950	6845744	21.29%	3.964%
17	14.828	1986	1996	2000	rBV2	193902	348703	1.08%	0.202%
18	14.922	2005	2012	2018	rVV	4172565	6212697	19.32%	3.598%
19	14.981	2018	2022	2027	rVB2	216504	339240	1.06%	0.196%
20	15.575	2116	2123	2131	rVB	6290797	8520611	26.50%	4.934%
21	15.728	2145	2149	2154	rVB2	498605	700108	2.18%	0.405%
22	15.857	2167	2171	2178	rVB	808439	1160088	3.61%	0.672%
23	16.004	2184	2196	2204	rBV	848233	1780471	5.54%	1.031%
24	16.204	2218	2230	2240	rBV6	169224	418955	1.30%	0.243%
25	16.569	2280	2292	2296	rBV	610476	1168012	3.63%	0.676%
26	16.786	2322	2329	2333	rBV3	231695	477519	1.49%	0.277%
27	16.986	2358	2363	2370	rVB2	233159	444828	1.38%	0.258%
28	17.092	2375	2381	2392	rVB	1200552	1809941	5.63%	1.048%
29	17.275	2406	2412	2415	rBV	1405442	2219545	6.90%	1.285%
30	17.322	2415	2420	2426	rVV	24743346	32151357	100.00%	18.619%
31	17.404	2430	2434	2445	rVB	1837799	2627786	8.17%	1.522%
32	17.692	2473	2483	2489	rBV	997829	1676795	5.22%	0.971%
33	17.786	2494	2499	2505	rBV	227052	428914	1.33%	0.248%
34	17.851	2506	2510	2519	rVB6	171021	323873	1.01%	0.188%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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	1075537	1530712	4.76%	0.886%
36	18.186	2563	2567	2573	rVB	1462718	1986520	6.18%	1.150%
37	18.269	2575	2581	2586	rBV	599613	847616	2.64%	0.491%
38	18.345	2586	2594	2597	rBV2	1895100	3215558	10.00%	1.862%
39	18.639	2639	2644	2650	rVB	871847	1139263	3.54%	0.660%
40	19.045	2708	2713	2717	rBV	318733	501574	1.56%	0.290%
41	19.327	2754	2761	2766	rBV	12867573	16350989	50.86%	9.469%
42	19.574	2798	2803	2811	rVB	327210	607447	1.89%	0.352%
43	19.651	2811	2816	2819	rBV2	1693896	2892934	9.00%	1.675%
44	19.692	2819	2823	2830	rVV	7288346	9748410	30.32%	5.645%
45	19.751	2830	2833	2839	rVB2	382792	506152	1.57%	0.293%
46	19.863	2848	2852	2857	rVB	489091	614586	1.91%	0.356%
47	19.998	2869	2875	2883	rBV3	460199	1085513	3.38%	0.629%
48	20.080	2883	2889	2892	rBV	256138	436216	1.36%	0.253%
49	20.174	2901	2905	2910	rVB	1345726	1791718	5.57%	1.038%
50	20.274	2917	2922	2926	rBV	1471886	1986015	6.18%	1.150%
51	20.333	2929	2932	2935	rVB	370503	470019	1.46%	0.272%
52	21.086	3056	3060	3064	rBV	517726	800088	2.49%	0.463%
53	21.121	3064	3066	3070	rVV	365467	439296	1.37%	0.254%
54	21.163	3070	3073	3078	rVV2	268054	392450	1.22%	0.227%
55	21.439	3112	3120	3124	rBV2	3467999	7622630	23.71%	4.414%
56	21.474	3124	3126	3131	rVB	2048455	2295685	7.14%	1.329%
57	21.592	3143	3146	3150	rBV	419429	554255	1.72%	0.321%
58	23.062	3391	3396	3409	rVB2	728034	2222991	6.91%	1.287%
59	23.662	3495	3498	3505	rVB	542222	975489	3.03%	0.565%
60	23.774	3511	3517	3523	rBV	1613467	2954625	9.19%	1.711%

Sum of corrected areas: 172684312

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
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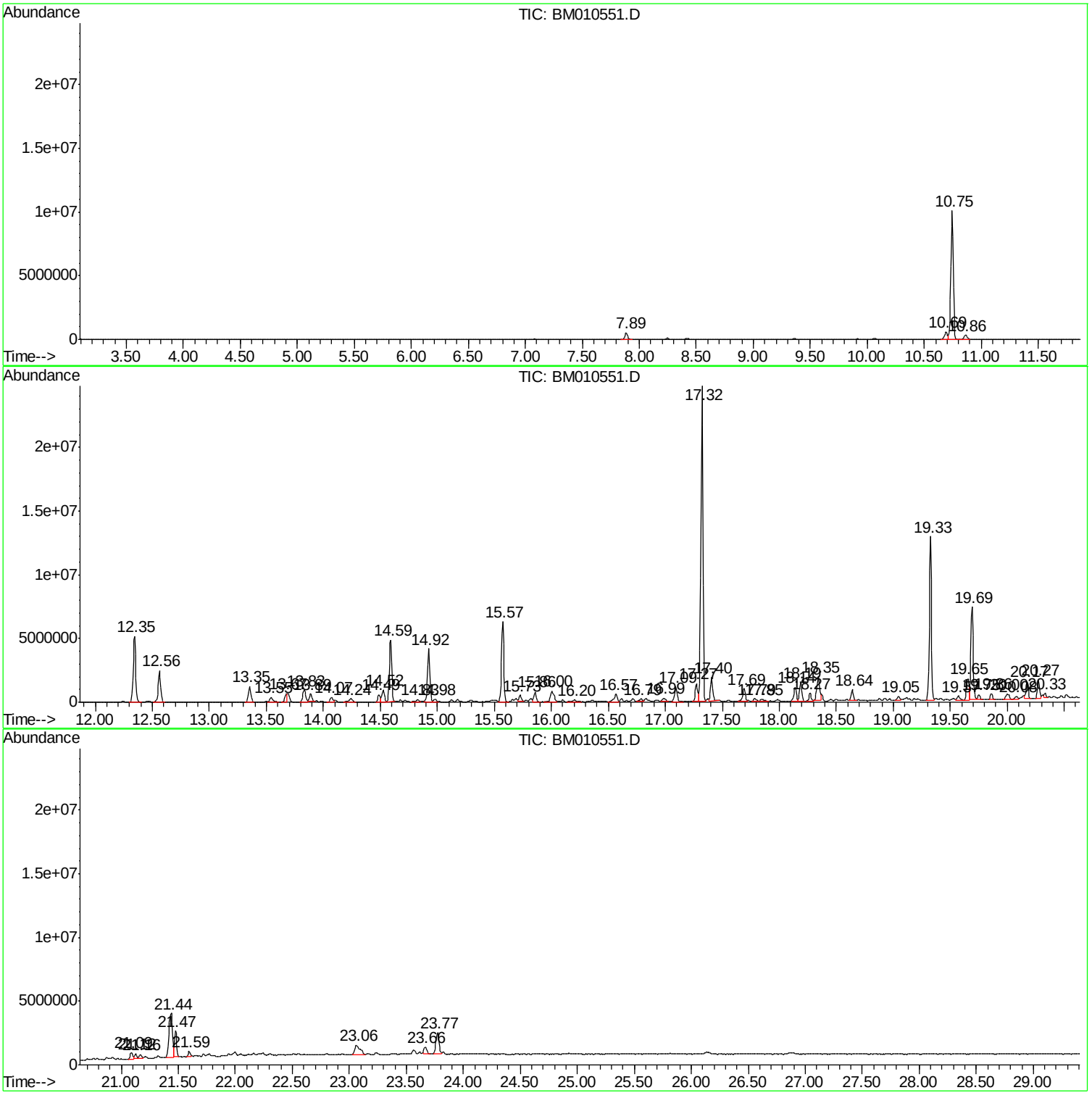
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C58DL

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 : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

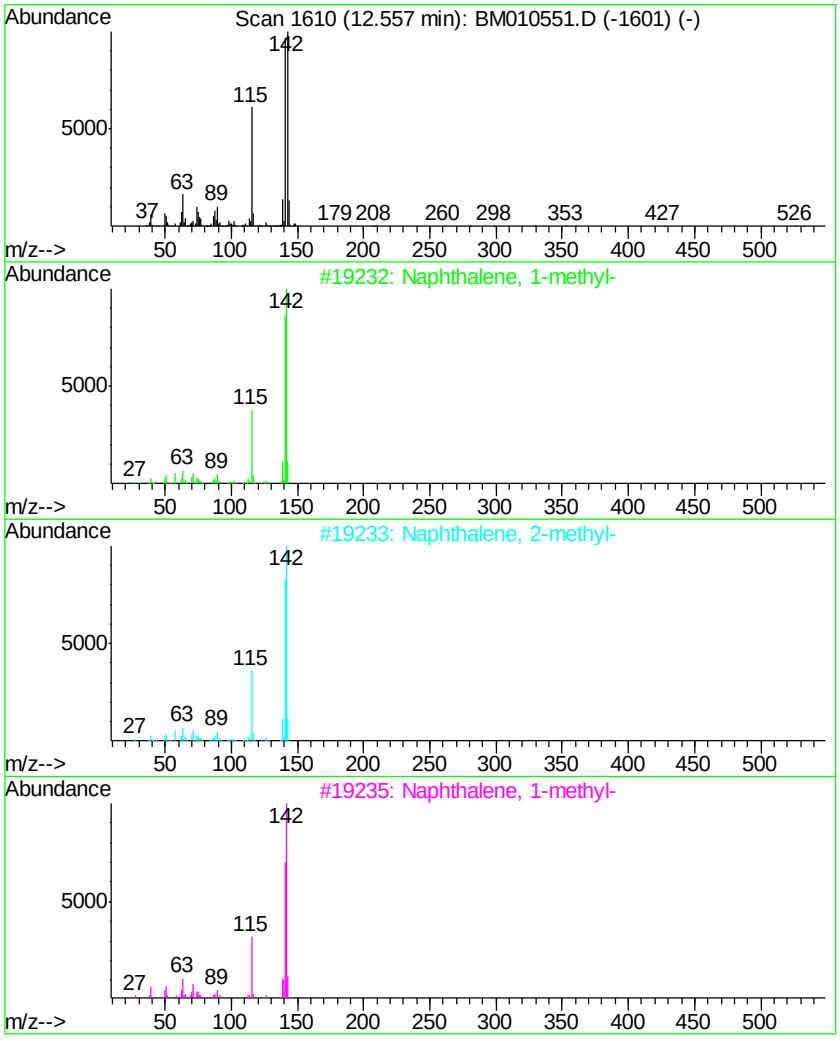
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

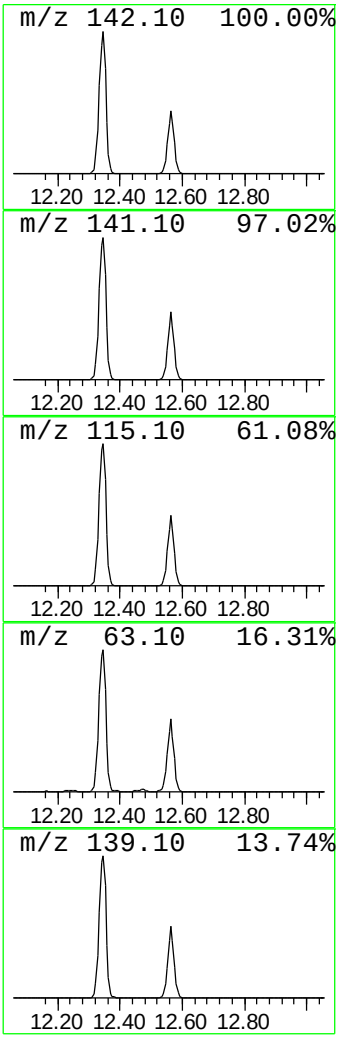
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	67.81 ng/ul	3671440	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	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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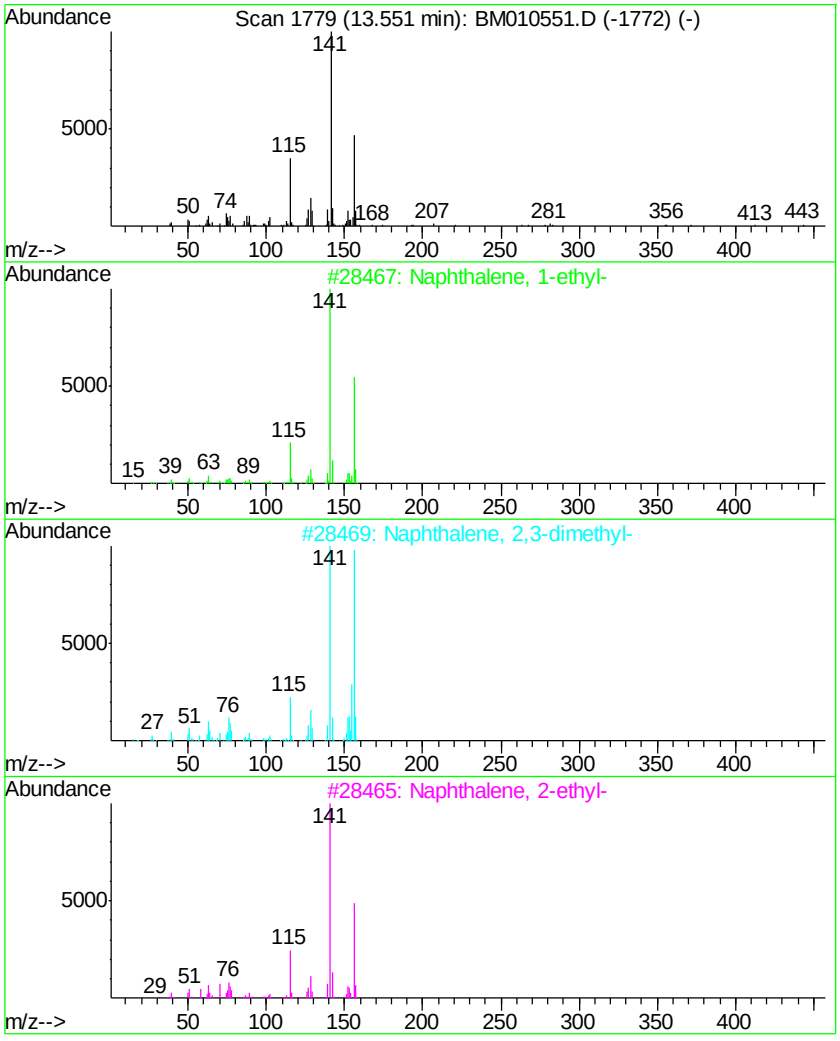
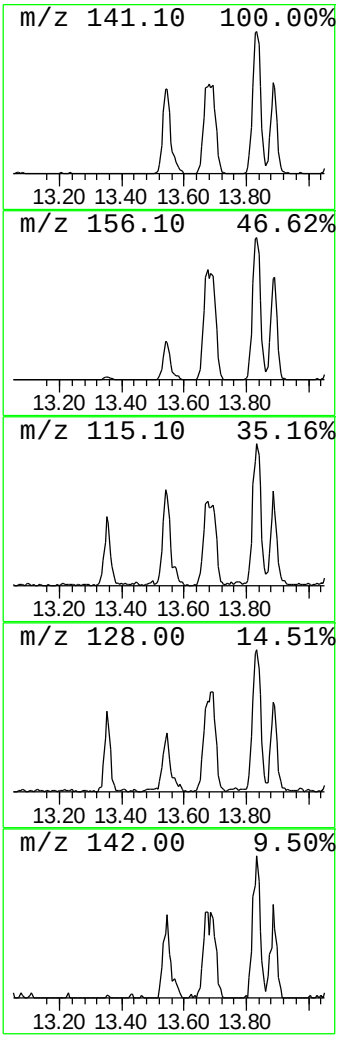
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	10.10 ng/ul	724333	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	93
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

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

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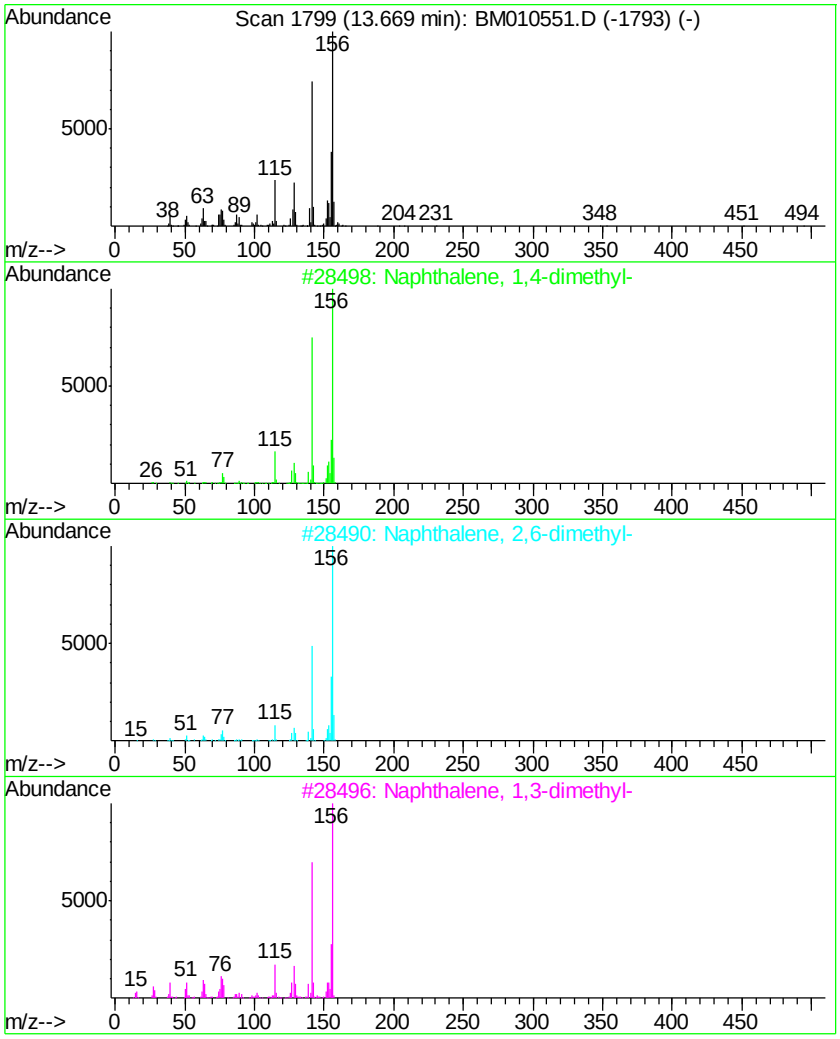
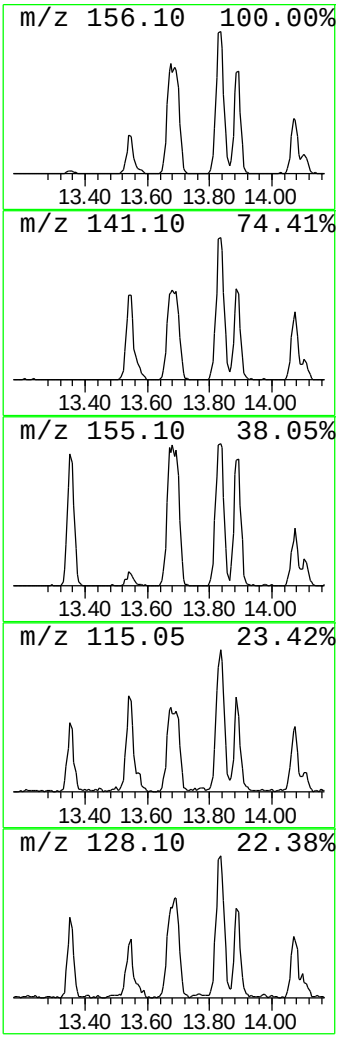
Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	12.87 ng/ul	923379	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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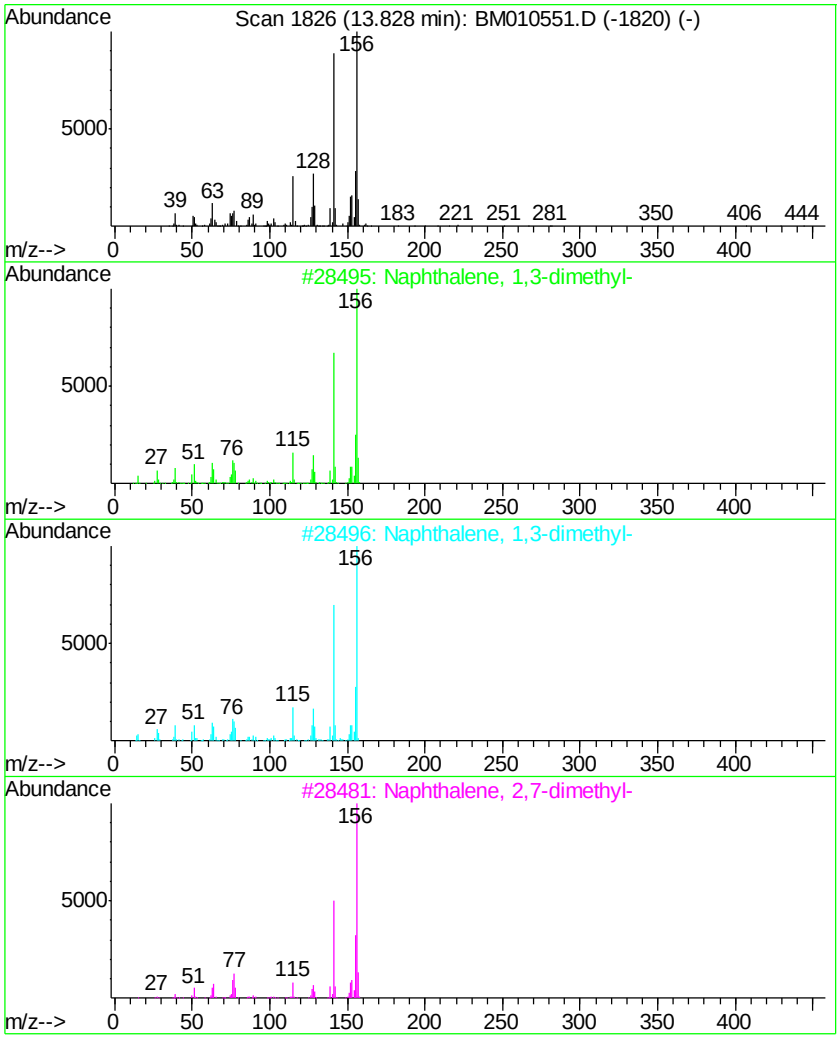
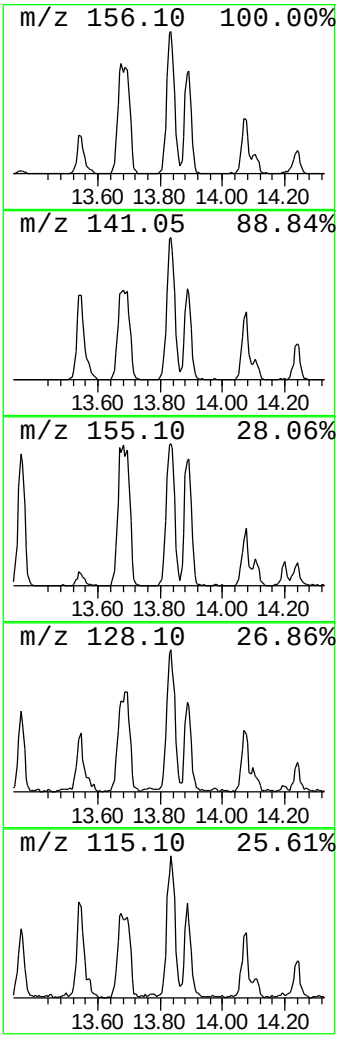
Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	23.31 ng/ul	1671760	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, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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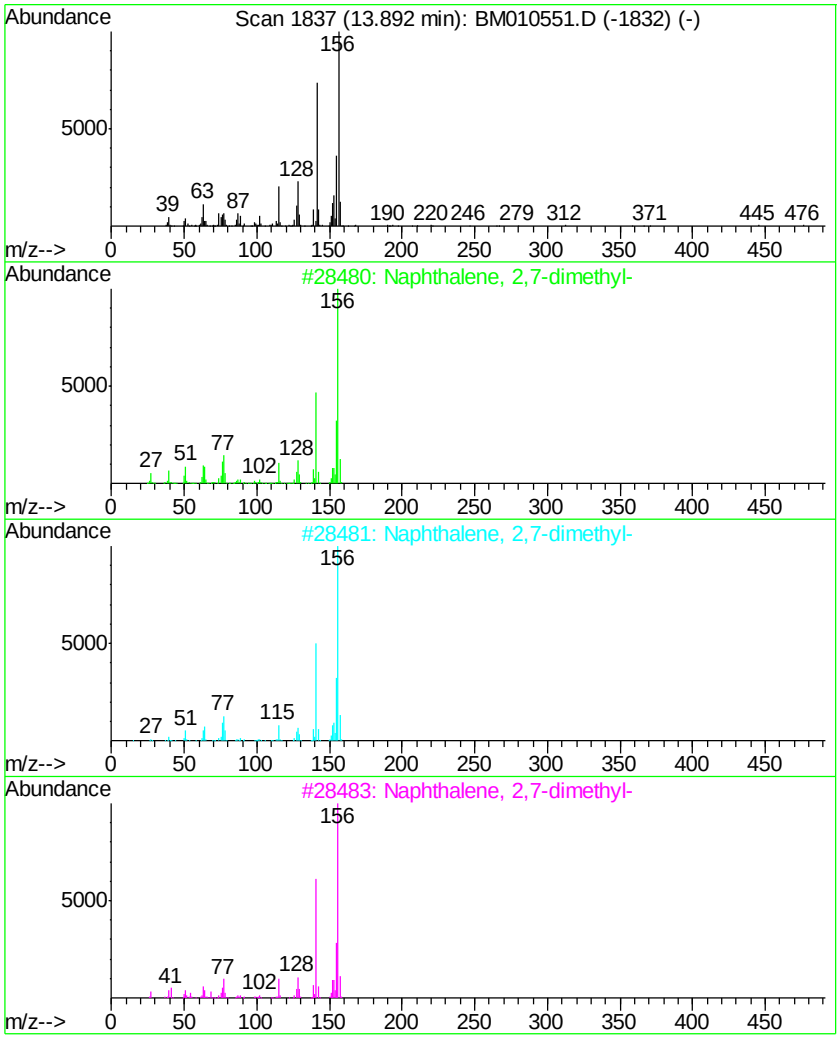
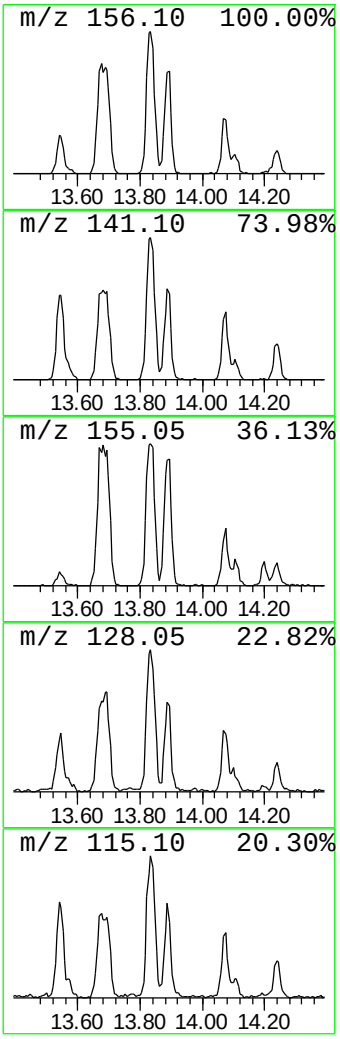
Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	11.75 ng/ul	842808	Acenaphthene-d10	14.52

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	95
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	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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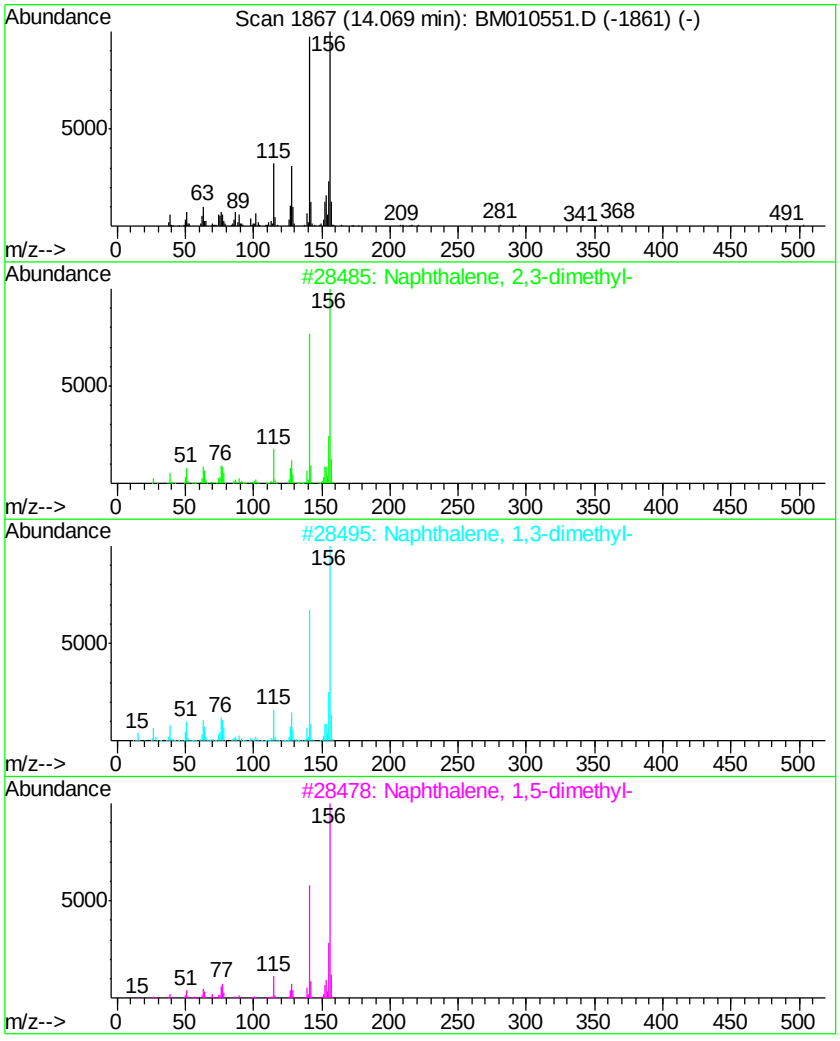
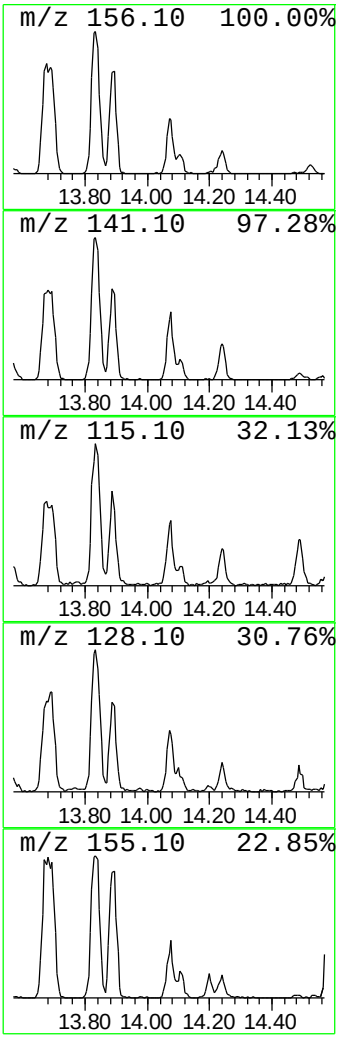
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	8.20 ng/ul	588219	Acenaphthene-d10	14.52

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

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

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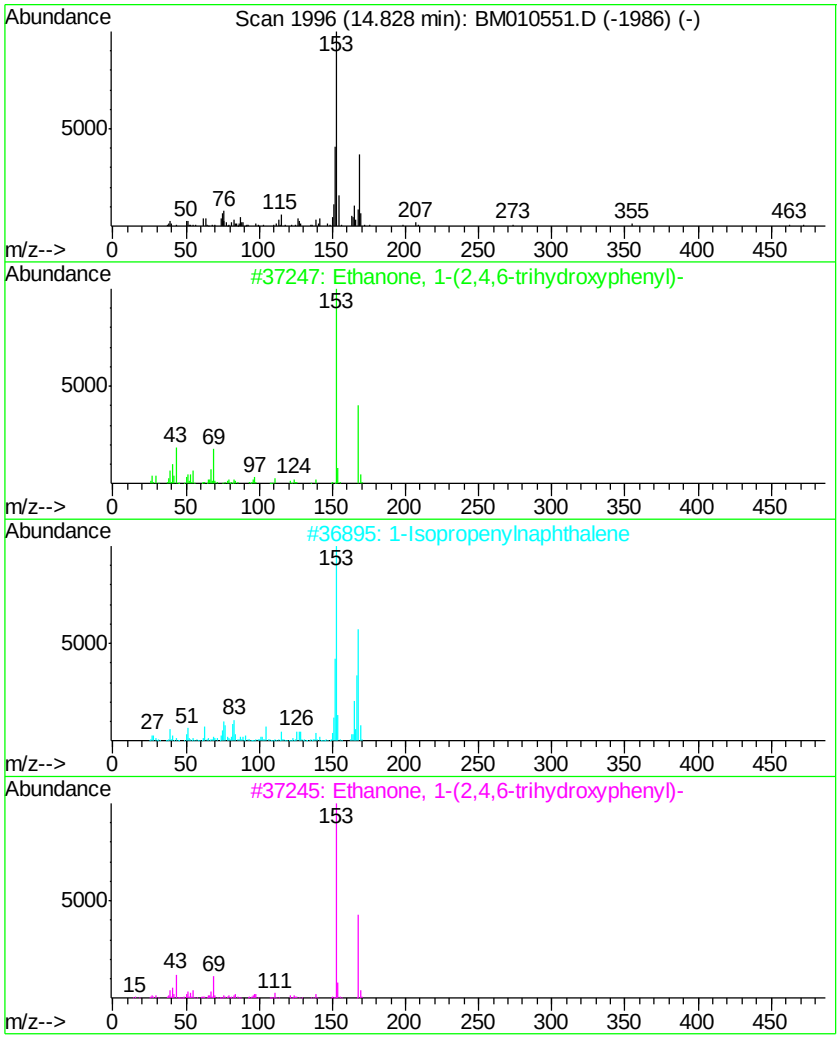
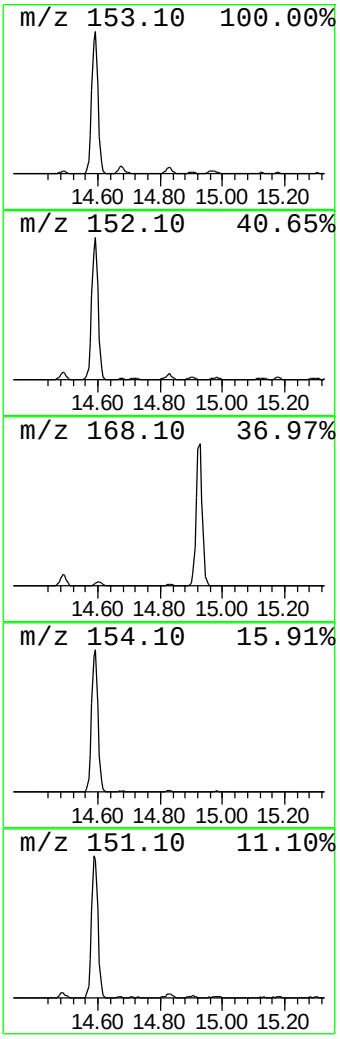
Peak Number 7 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	4.86 ng/ul	348703	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	49
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
5	.beta.-(1-Naphthyl)acrylic acid	198	C13H10O2	013026-12-5	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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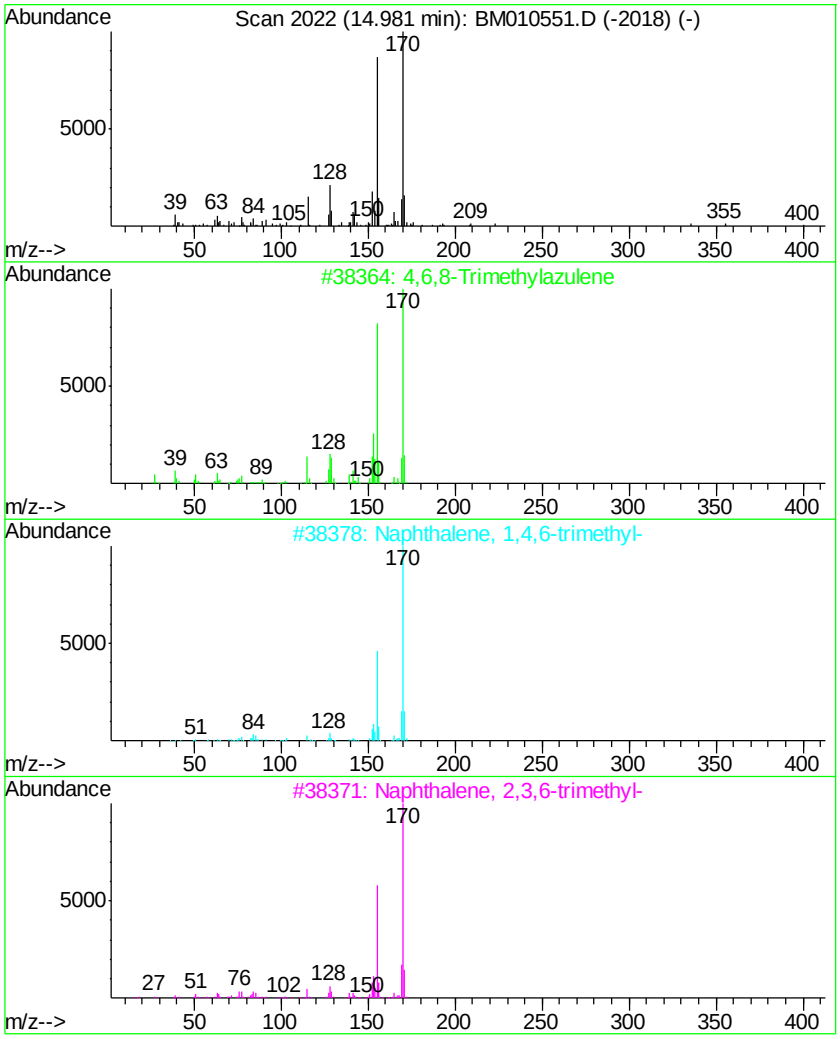
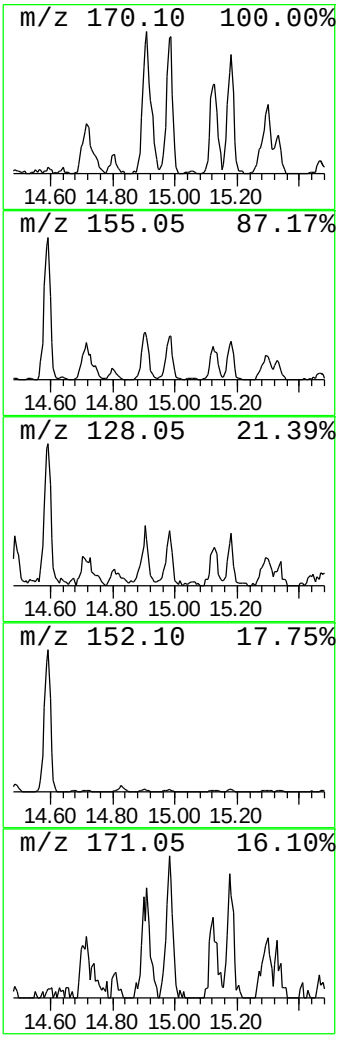
Peak Number 8 4,6,8-Trimethylazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	4.73 ng/ul	339240	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87





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Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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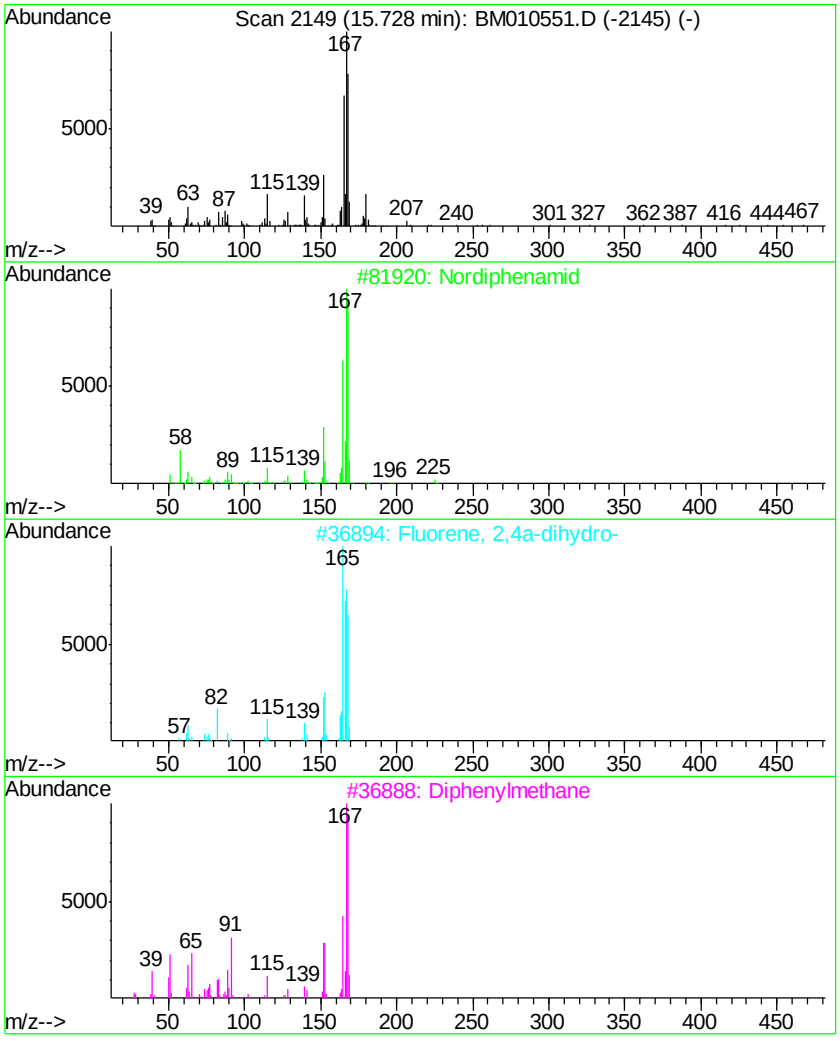
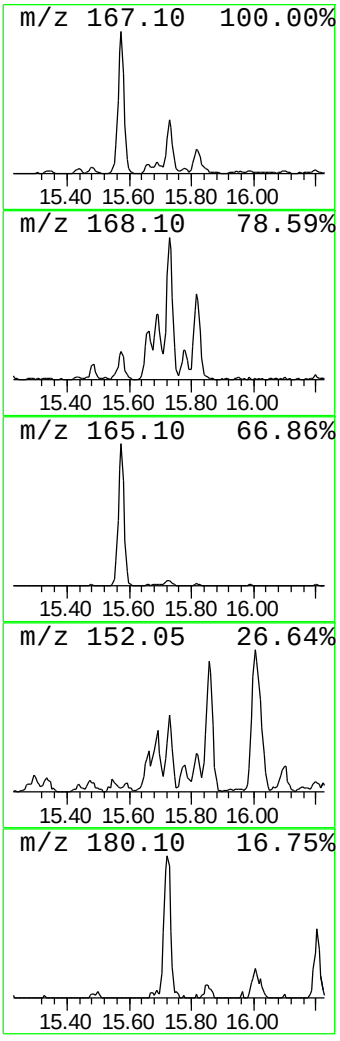
Peak Number 9 Nordiphenamid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	9.76 ng/ul	700108	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	86
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Acetamide, N-(4-cyanomethylpheny...	326	C22H18N2O	1000303-58-9	72
5	Nordiphenamid	225	C15H15NO	000954-21-2	72





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Instrument : BNA_M
ClientSampleId : F5C58DL

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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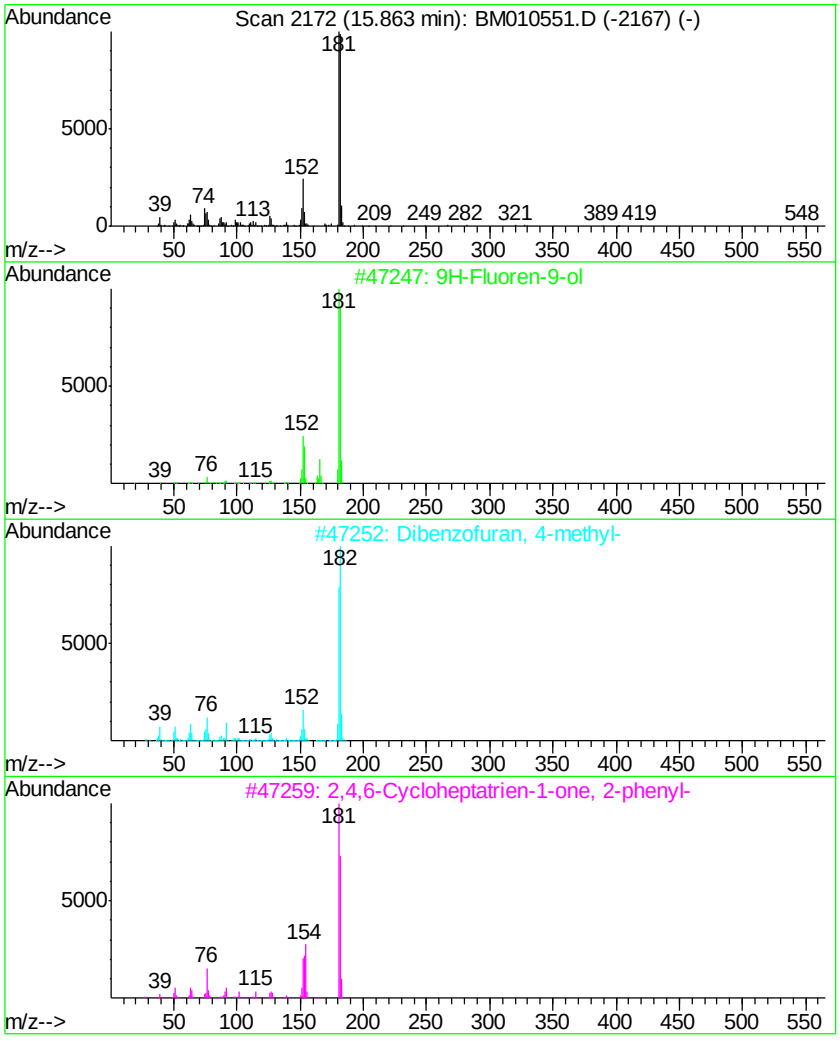
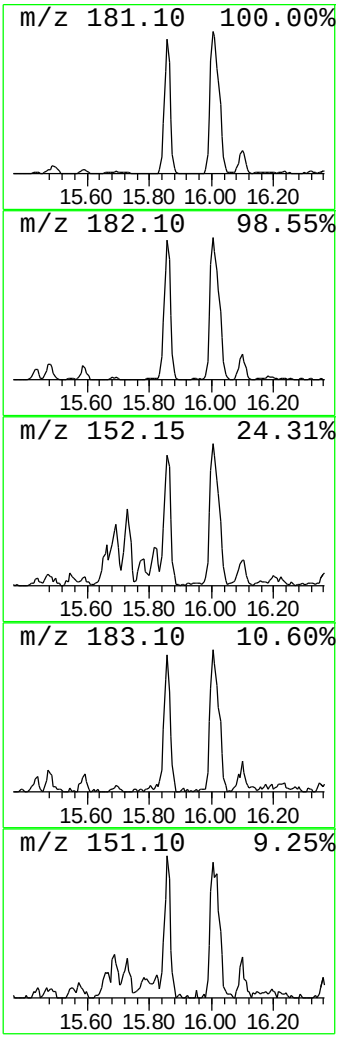
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	16.18 ng/ul	1160090	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	[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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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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Quant Title : SVOA CALIBRATION

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

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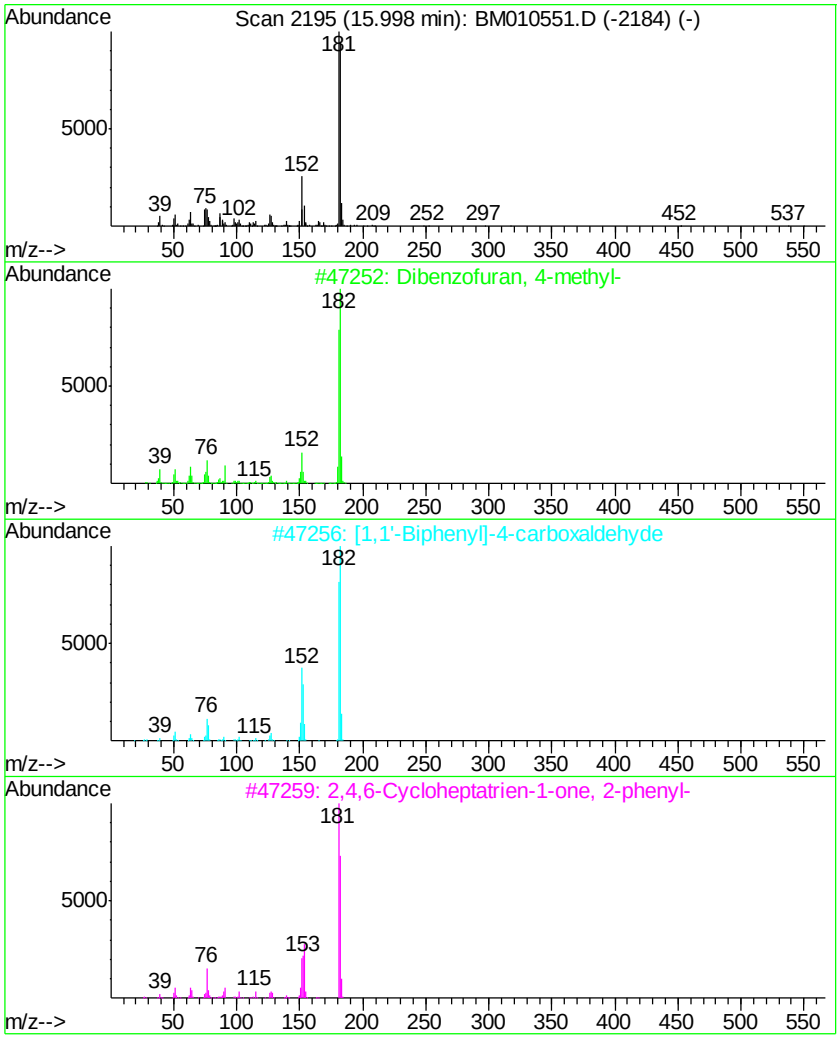
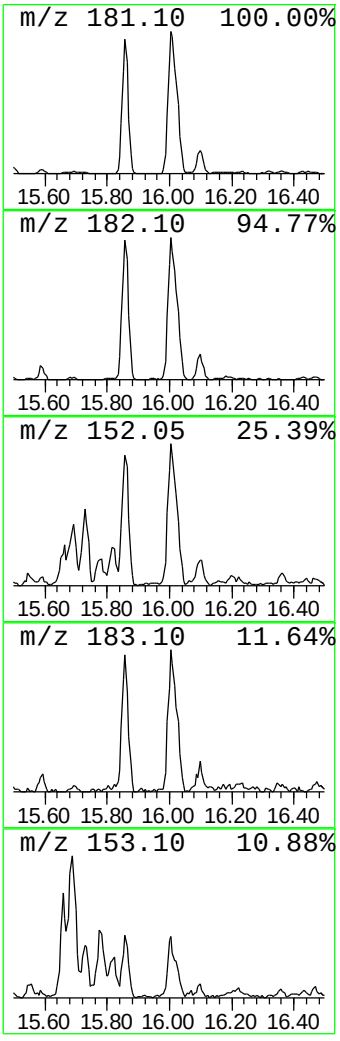
Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	16.04 ng/ul	1780470	Phenanthrene-d10	17.27

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





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Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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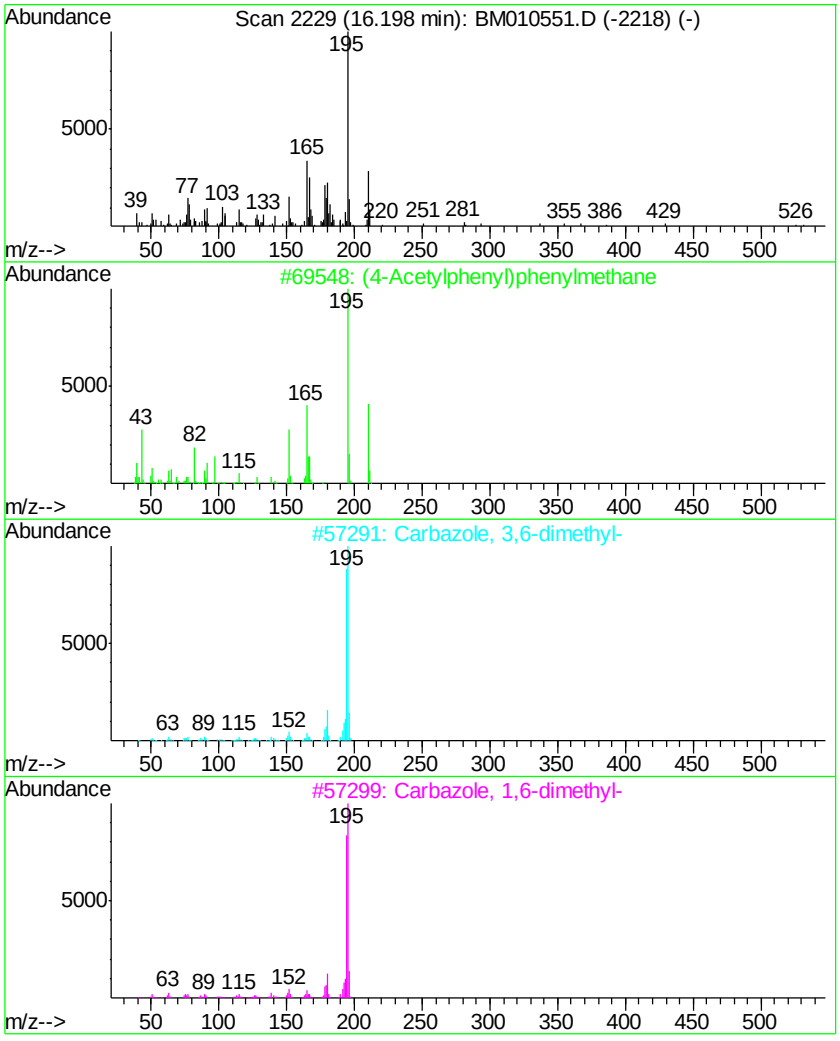
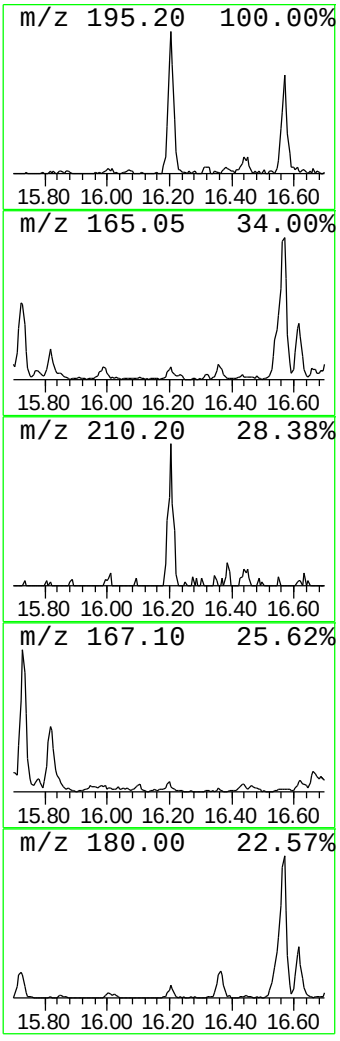
Peak Number 12 (4-Acetylphenyl)phenylmethane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	3.78 ng/ul	418955	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	68
2	Carbazole, 3,6-dimethyl-	195	C14H13N	005599-50-8	64
3	Carbazole, 1,6-dimethyl-	195	C14H13N	078787-77-6	59
4	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	58
5	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	52





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Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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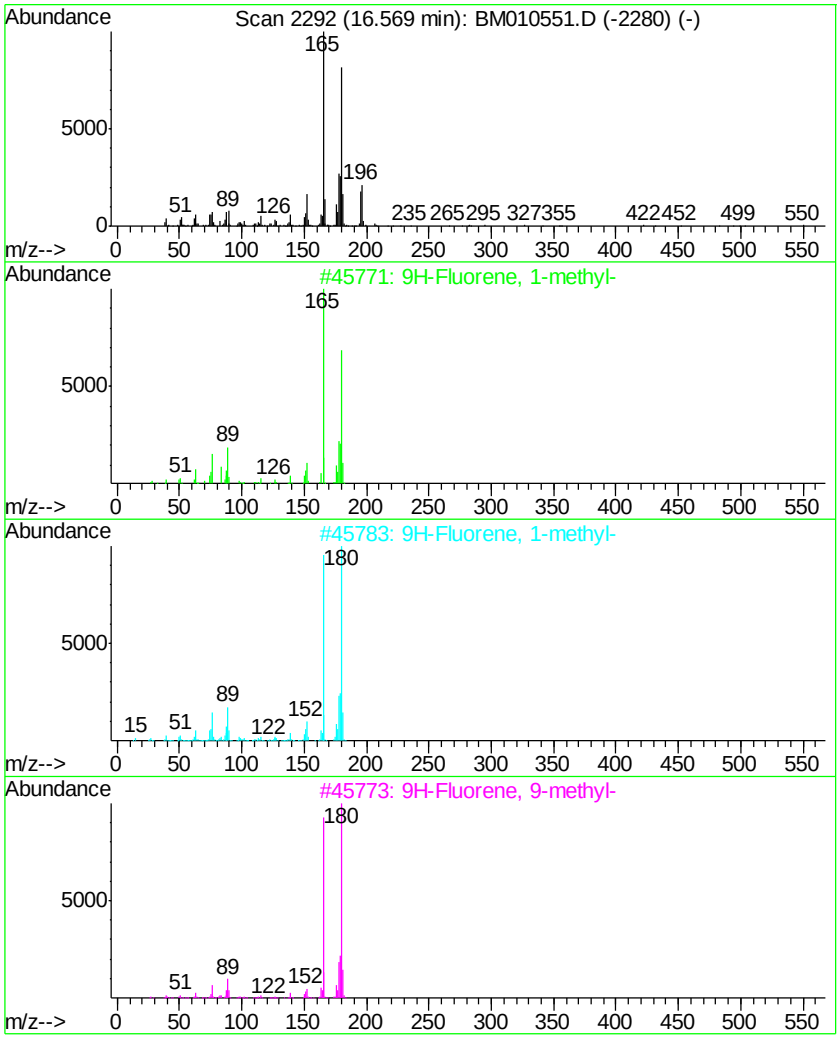
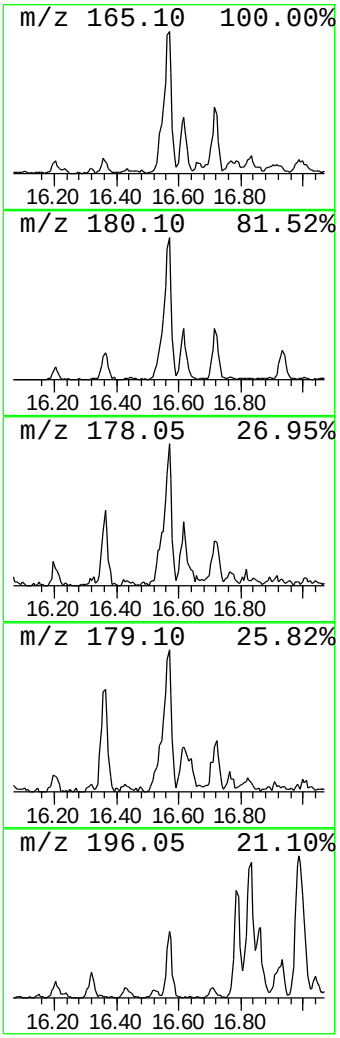
Peak Number 13 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	10.52 ng/ul	1168010	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89





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Acq On : 13 Jun 2017 00:45
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Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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Quant Title : SVOA CALIBRATION

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

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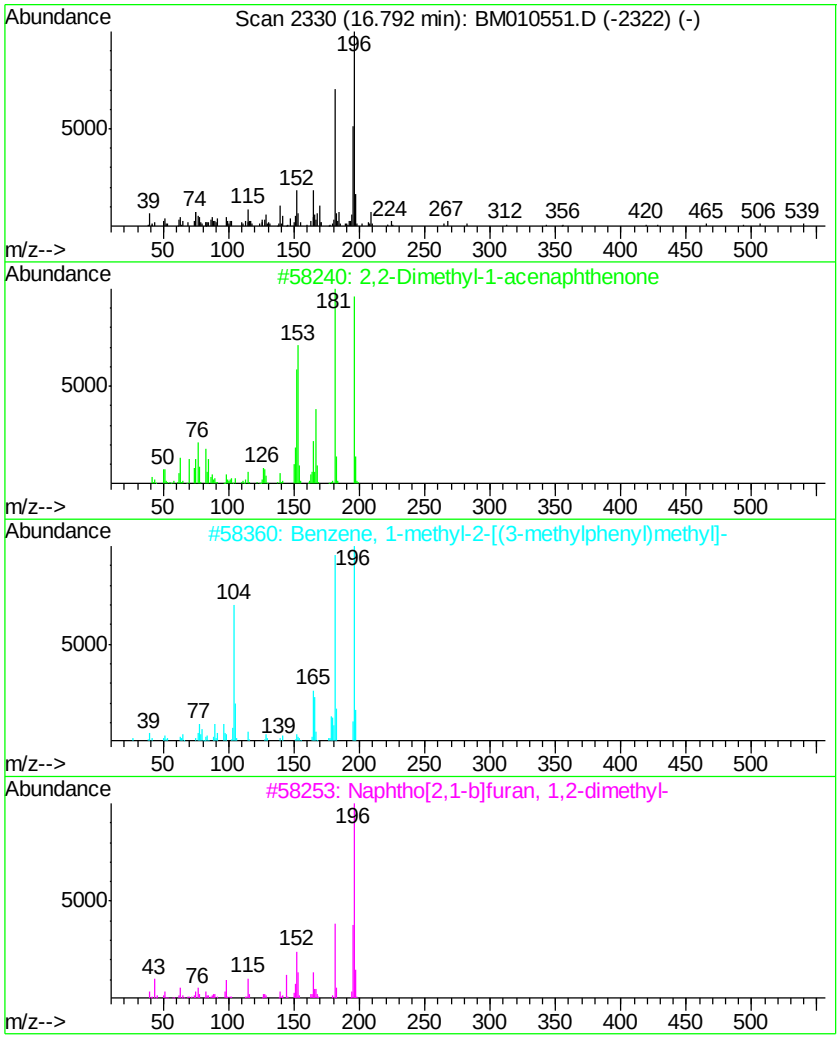
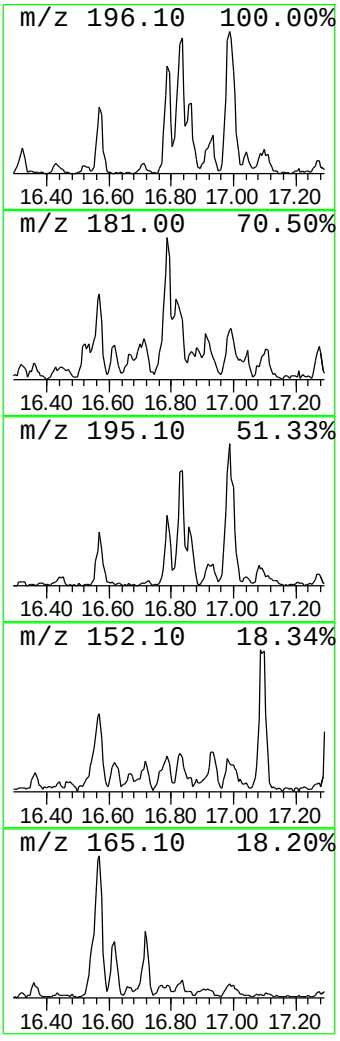
Peak Number 14 2,2-Dimethyl-1-acenaphthenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.30 ng/ul	477519	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	64
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	60
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	50
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	38





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Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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Quant Title : SVOA CALIBRATION

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

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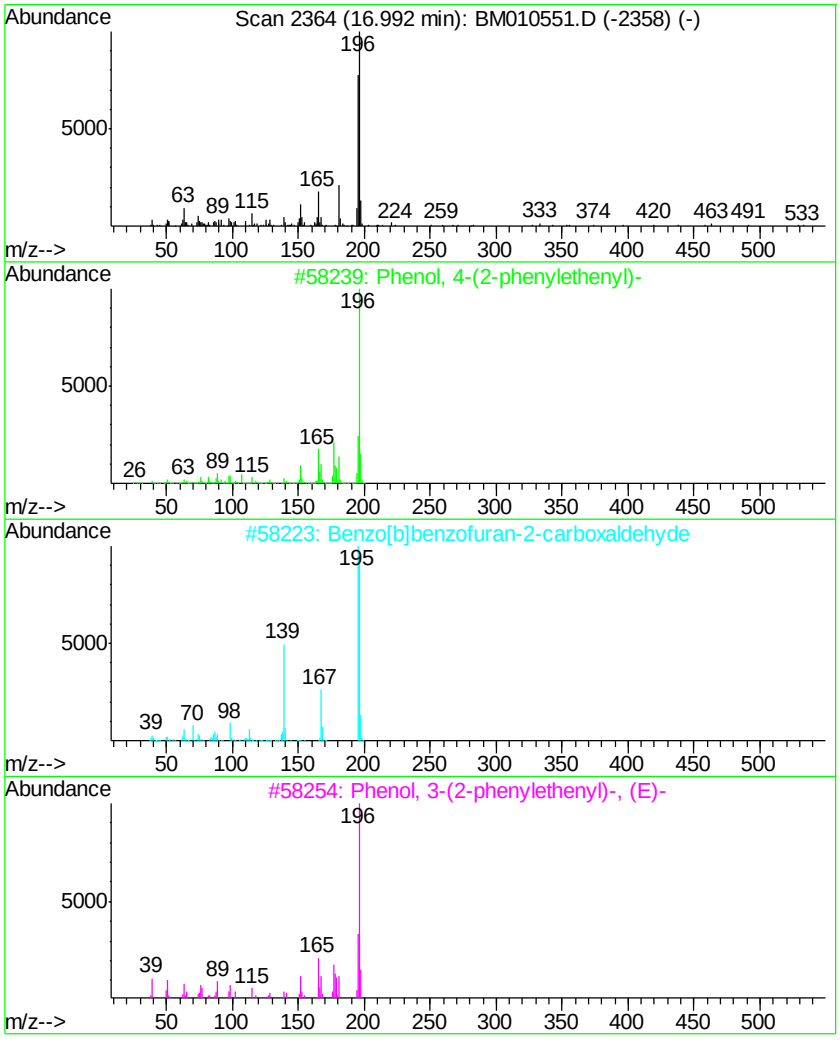
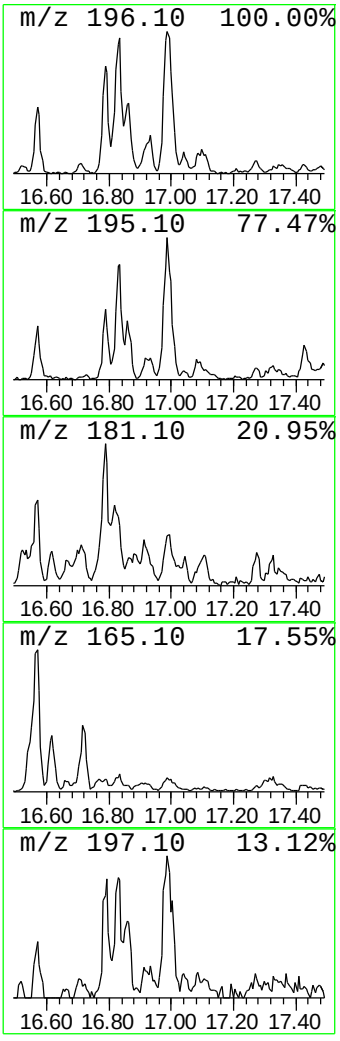
Peak Number 15 Phenol, 4-(2-phenylethenyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	4.01 ng/ul	444828	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	46
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46





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Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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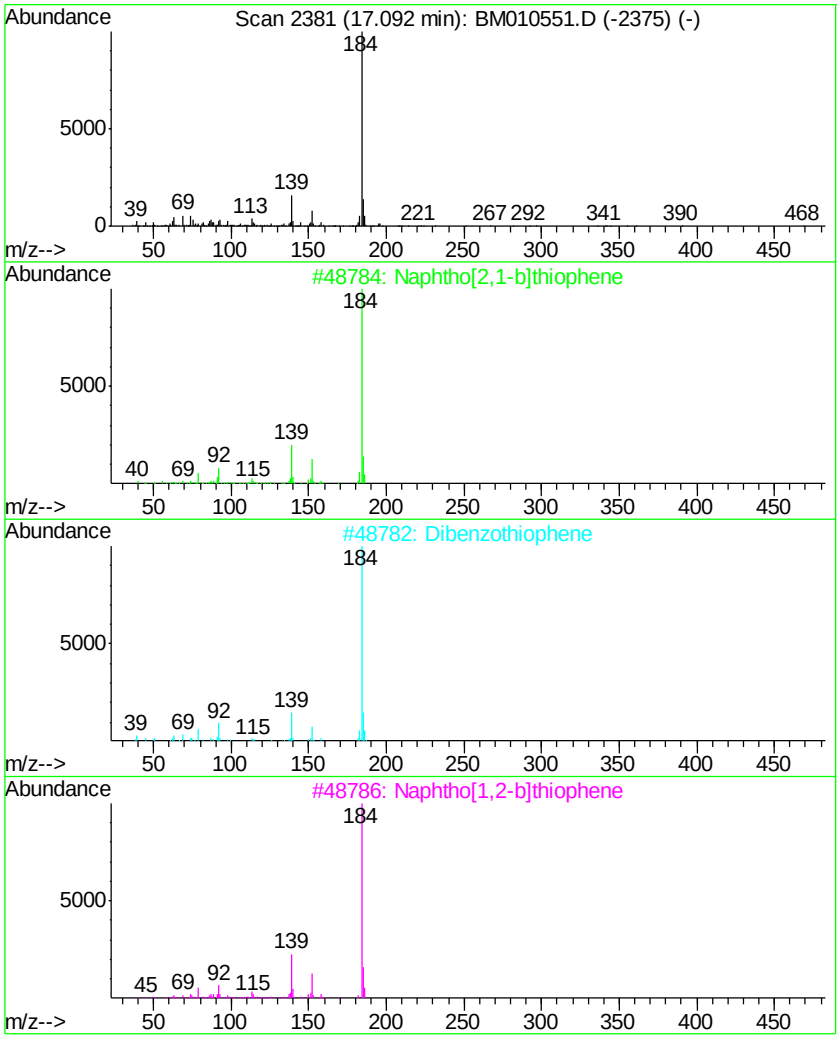
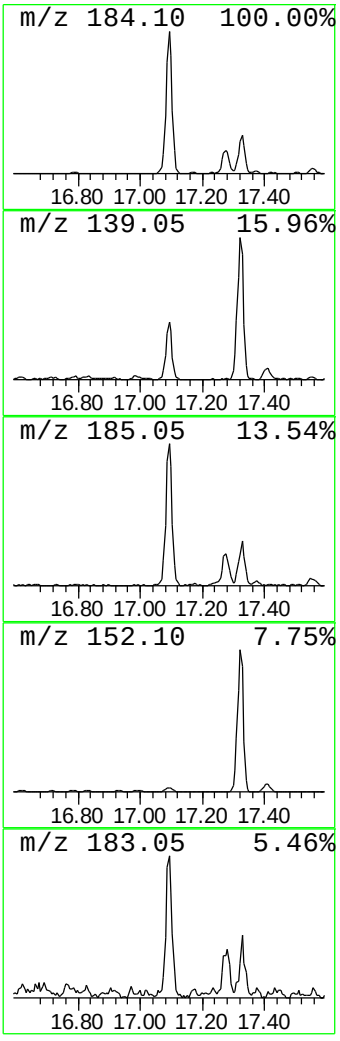
Peak Number 16 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	16.31 ng/ul	1809940	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
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Instrument : BNA_M
ClientSampleId : F5C58DL

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Quant Title : SVOA CALIBRATION

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

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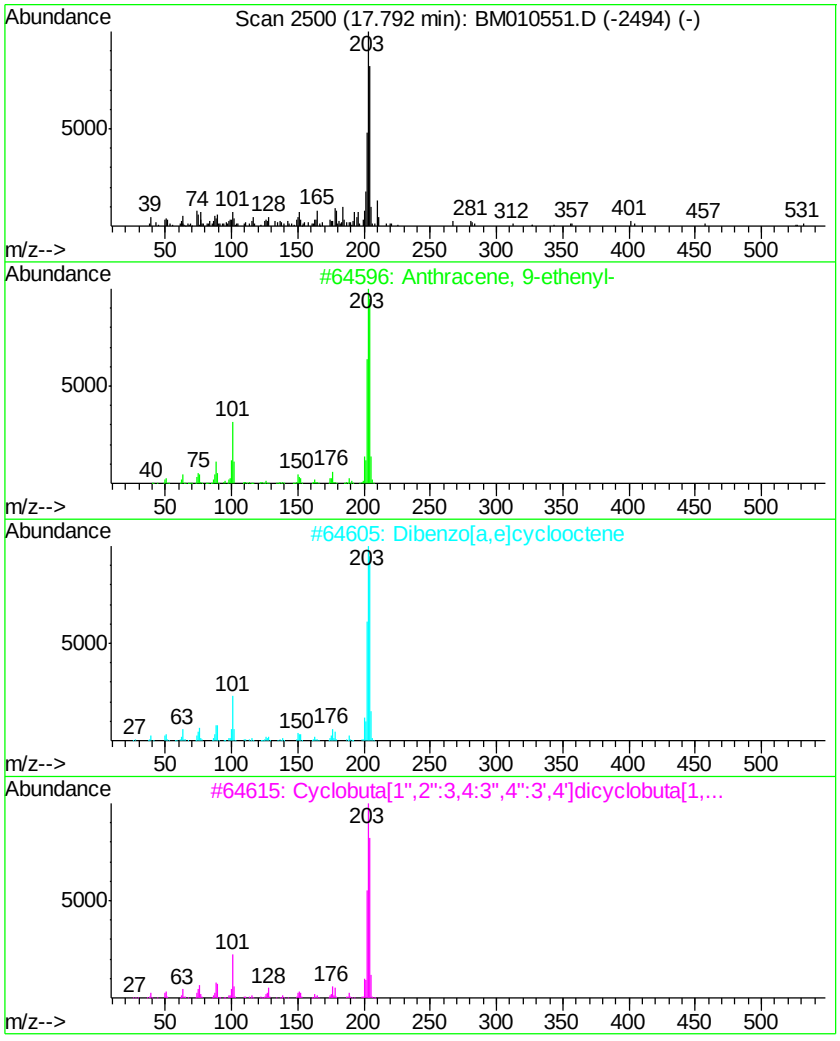
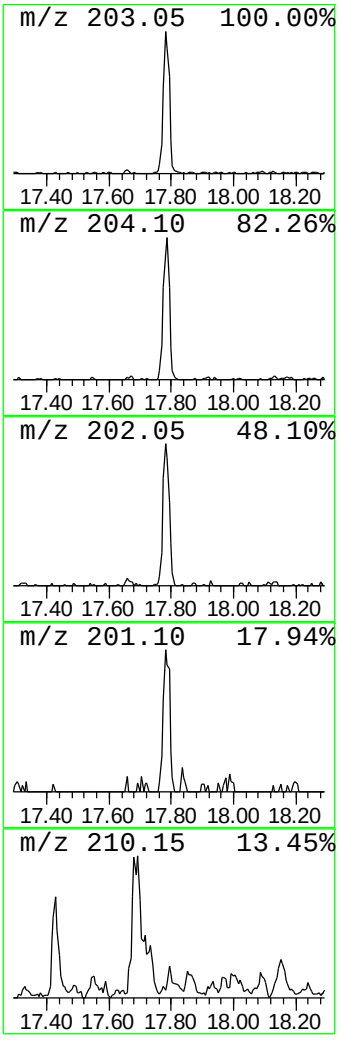
Peak Number 17 Anthracene, 9-ethenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	3.86 ng/ul	428914	Phenanthrene-d10	17.27

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





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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Quant Title : SVOA CALIBRATION

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

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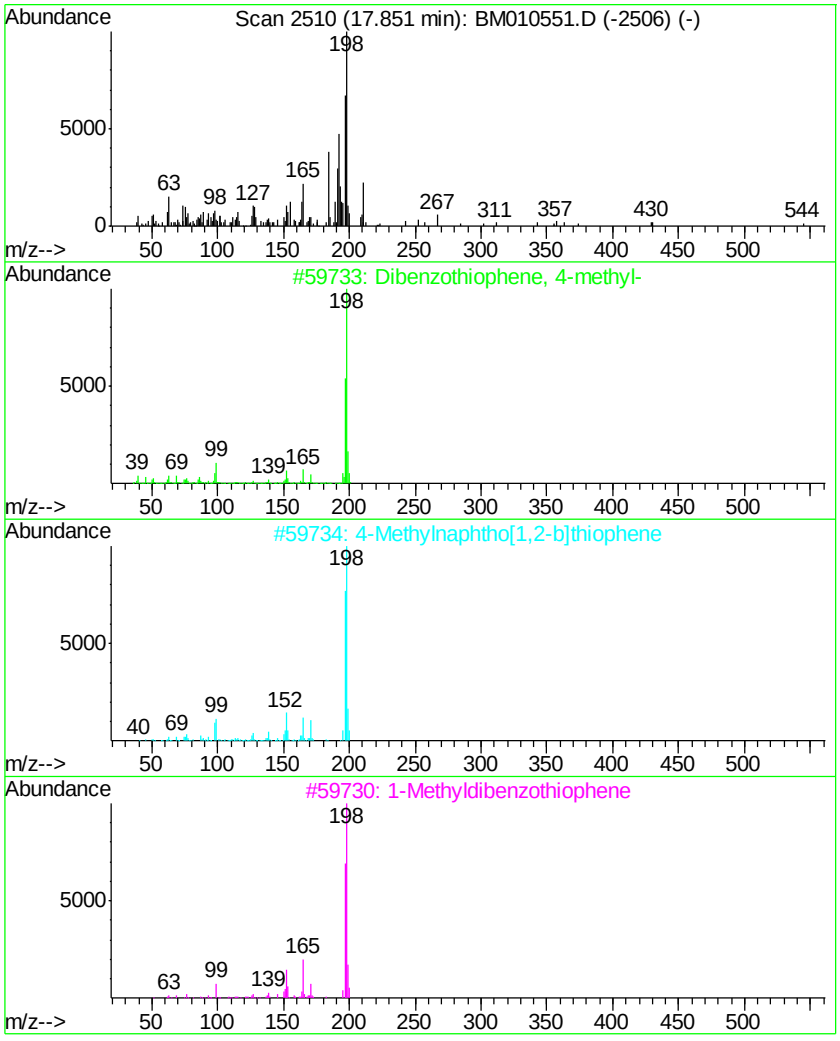
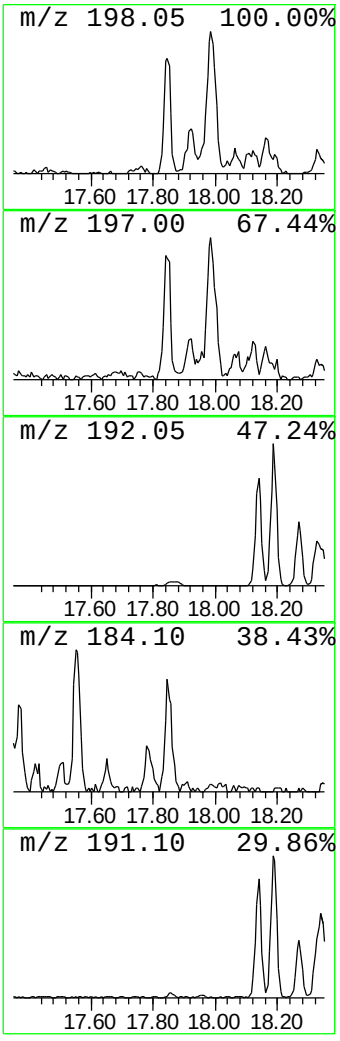
Peak Number 18 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.92 ng/ul	323873	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	38
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	38
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	35
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	30
5	Tacrine	198	C13H14N2	000321-64-2	27





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Quant Title : SVOA CALIBRATION

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

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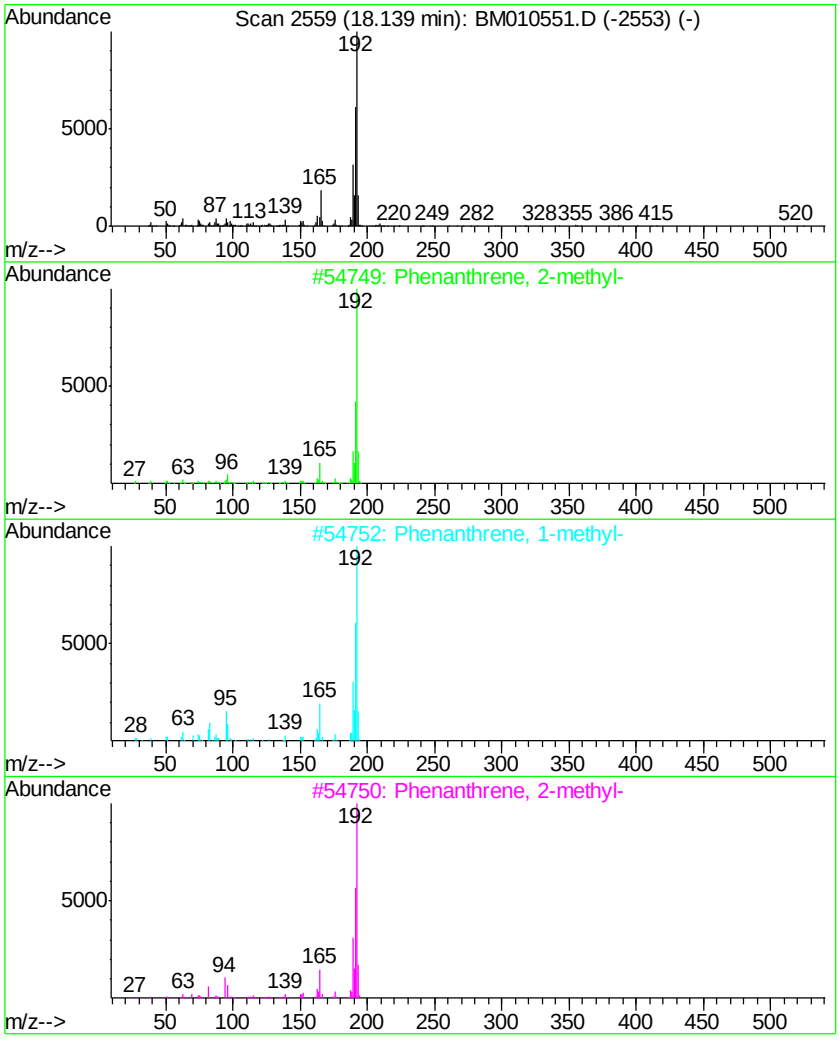
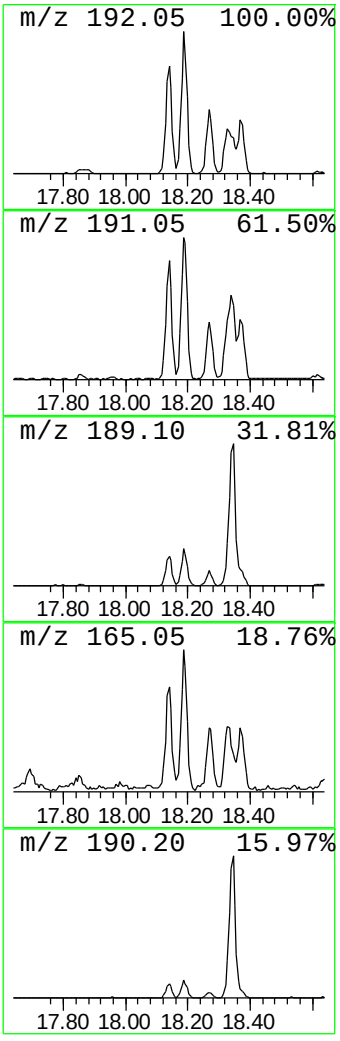
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	13.79 ng/ul	1530710	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

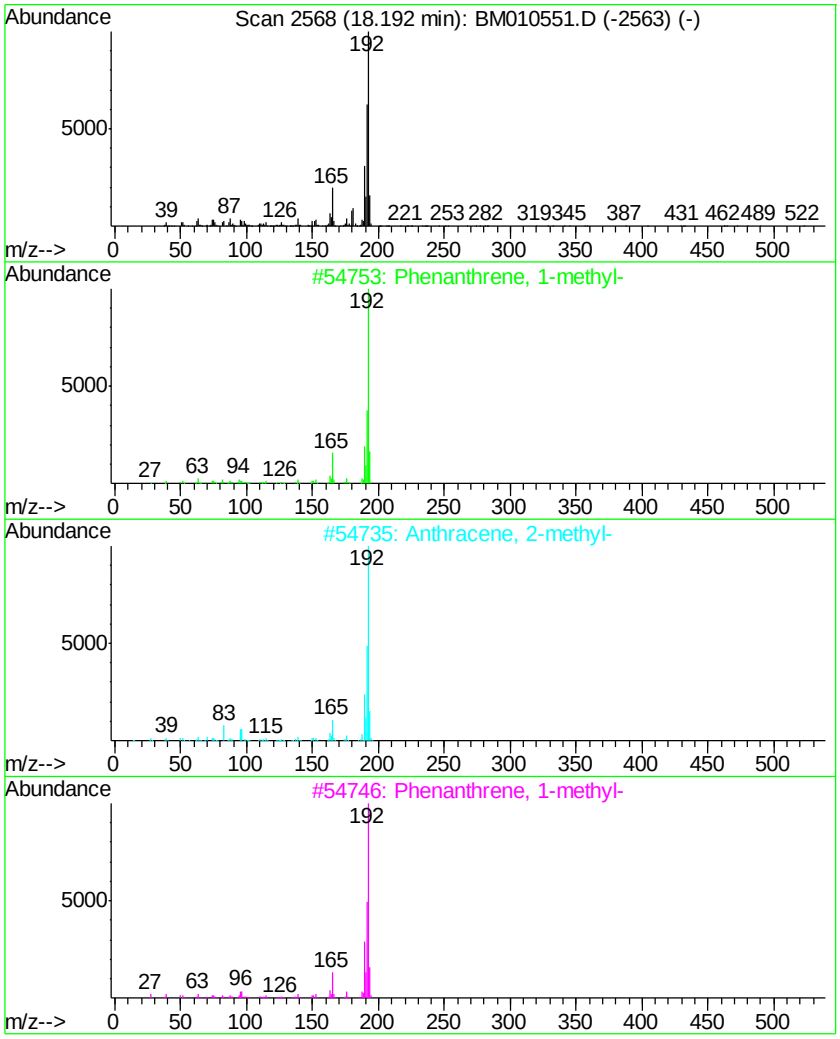
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

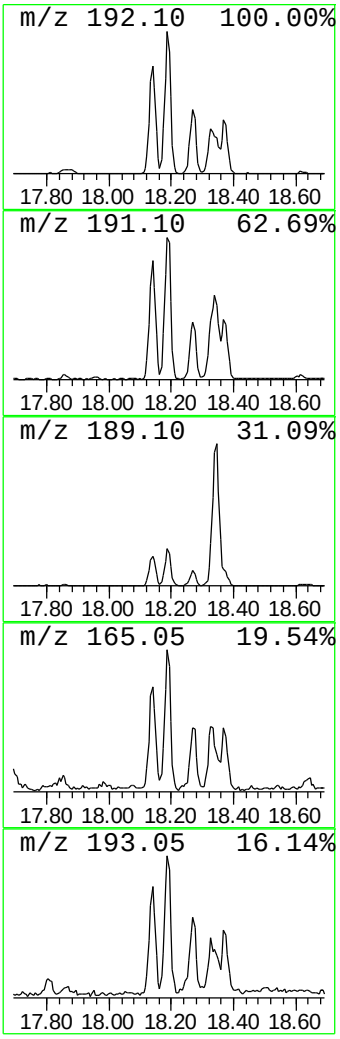
****

Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	17.90 ng/ul	1986520	Phenanthrene-d10	17.27

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





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Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

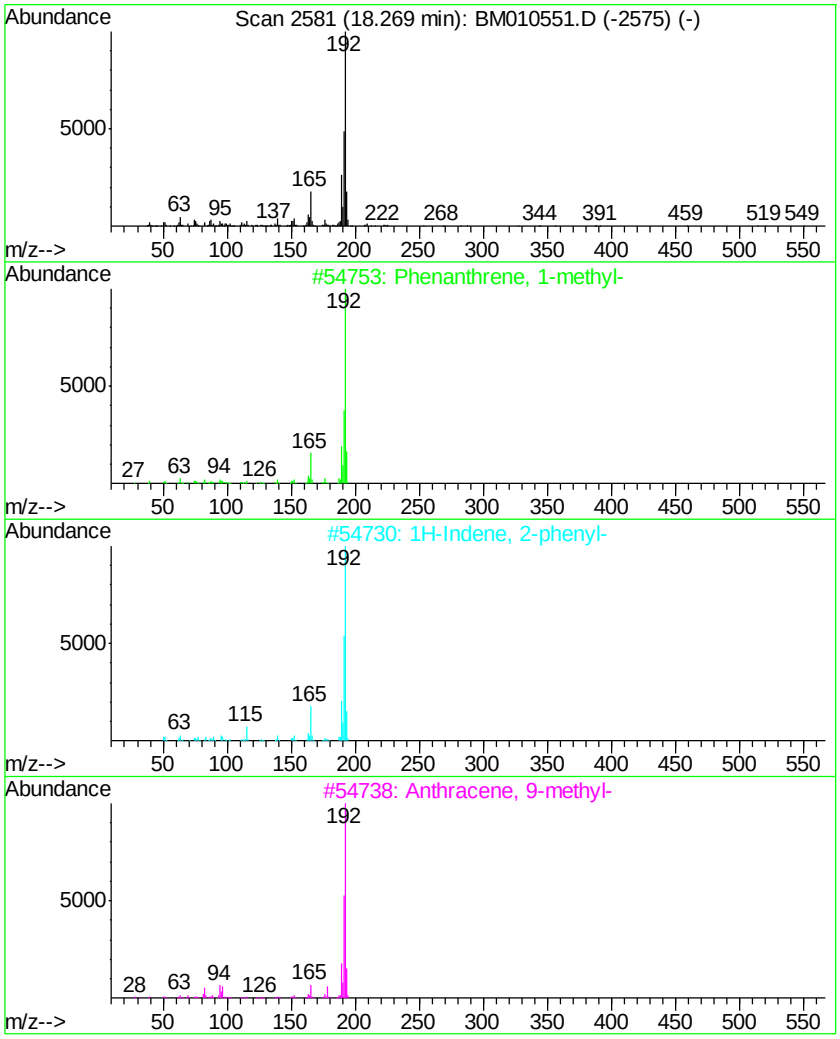
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

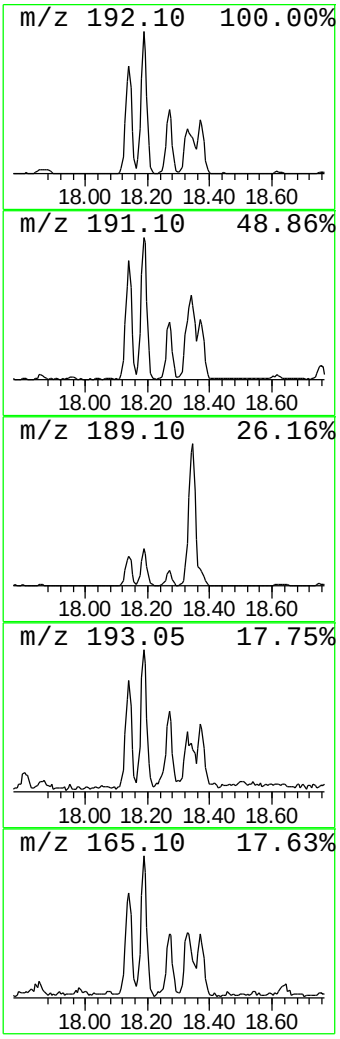
****

Peak Number 21 1H-Indene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	7.64 ng/ul	847616	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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

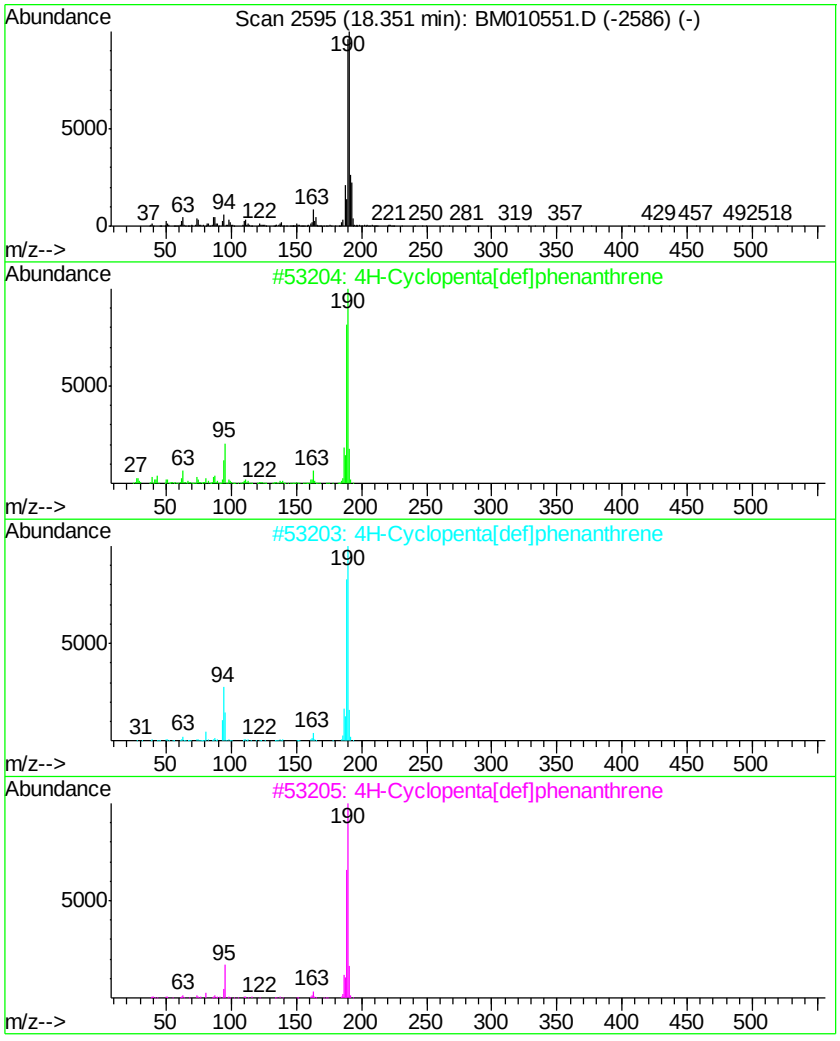
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

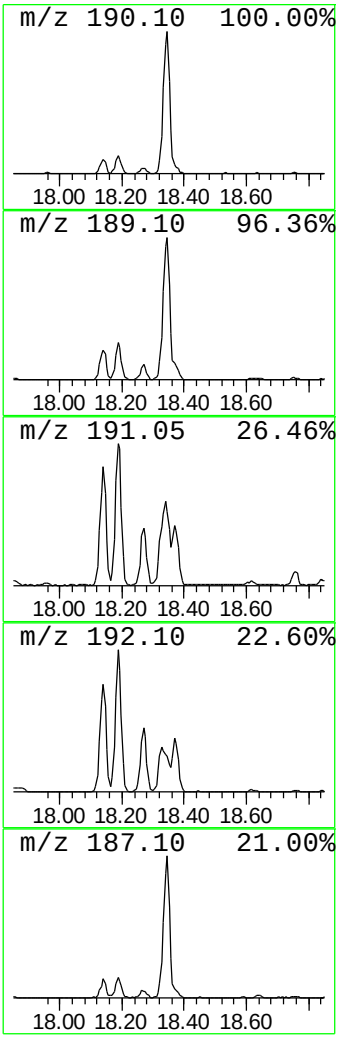
****

Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	28.97 ng/ul	3215560	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





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Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

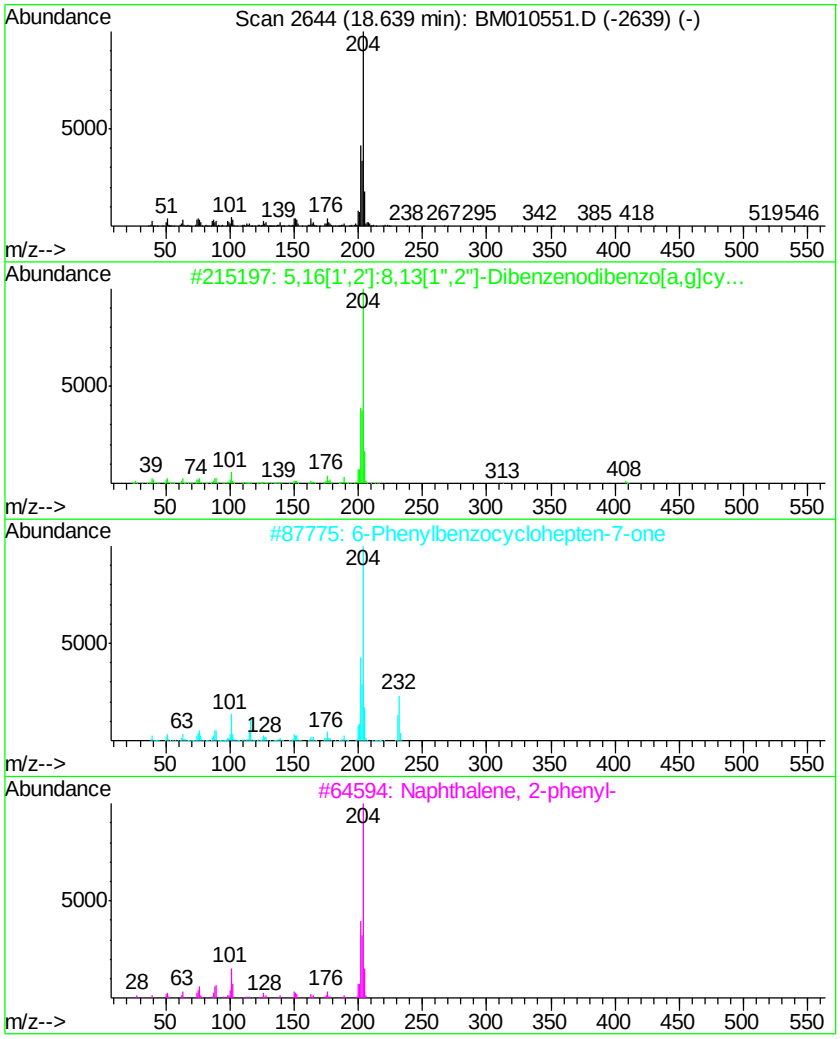
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

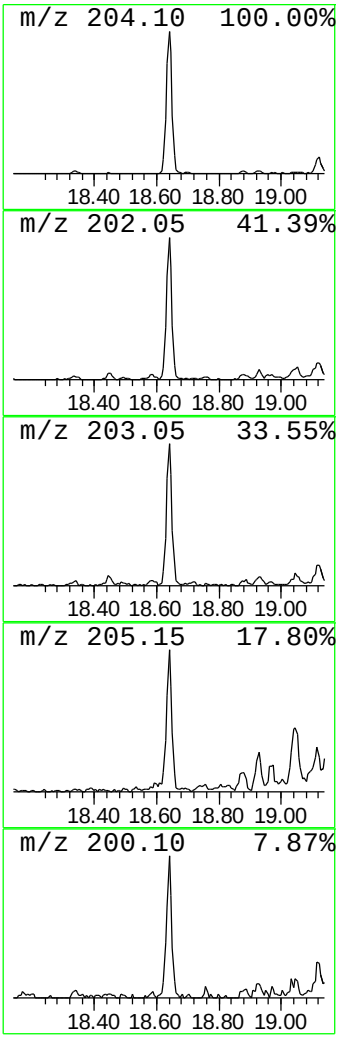
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	10.27 ng/ul	1139260	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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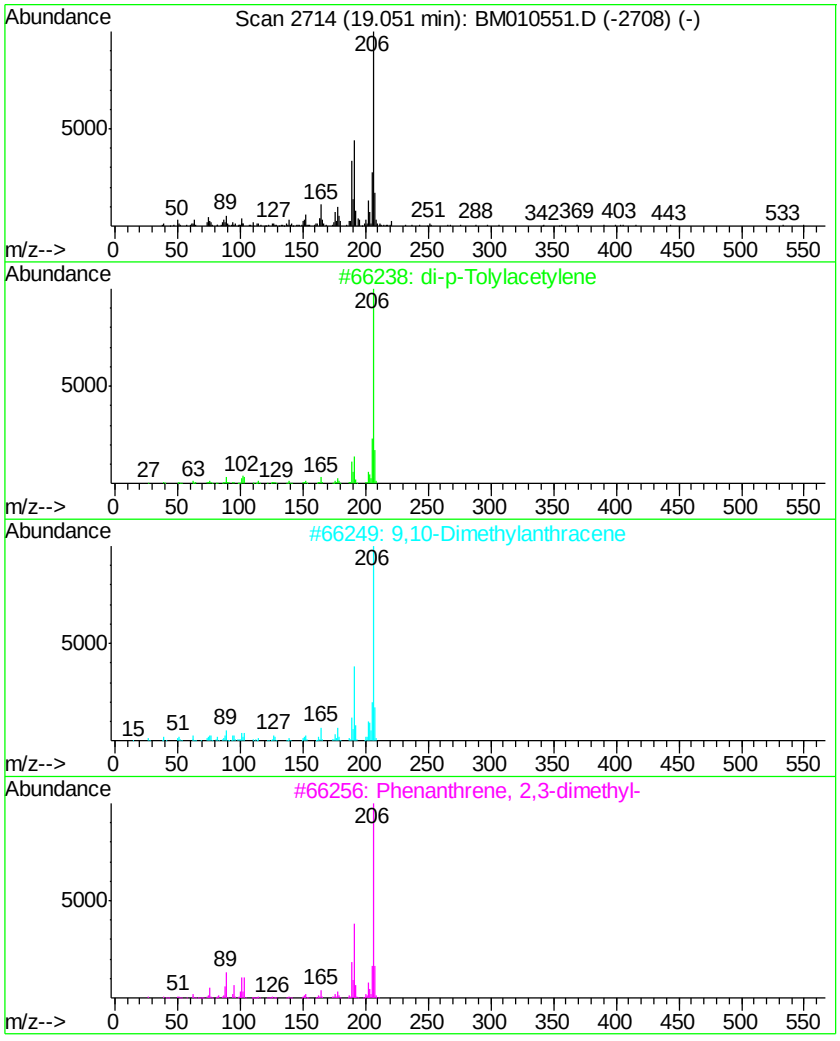
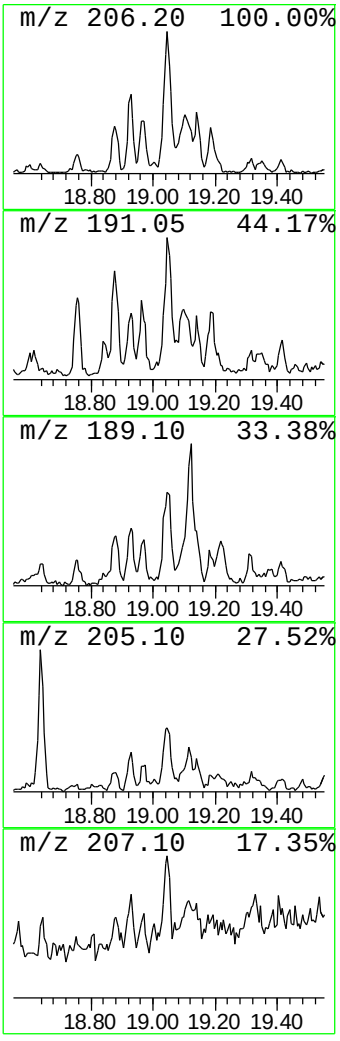
Peak Number 24 di-p-Tolylacetylene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	4.52 ng/ul	501574	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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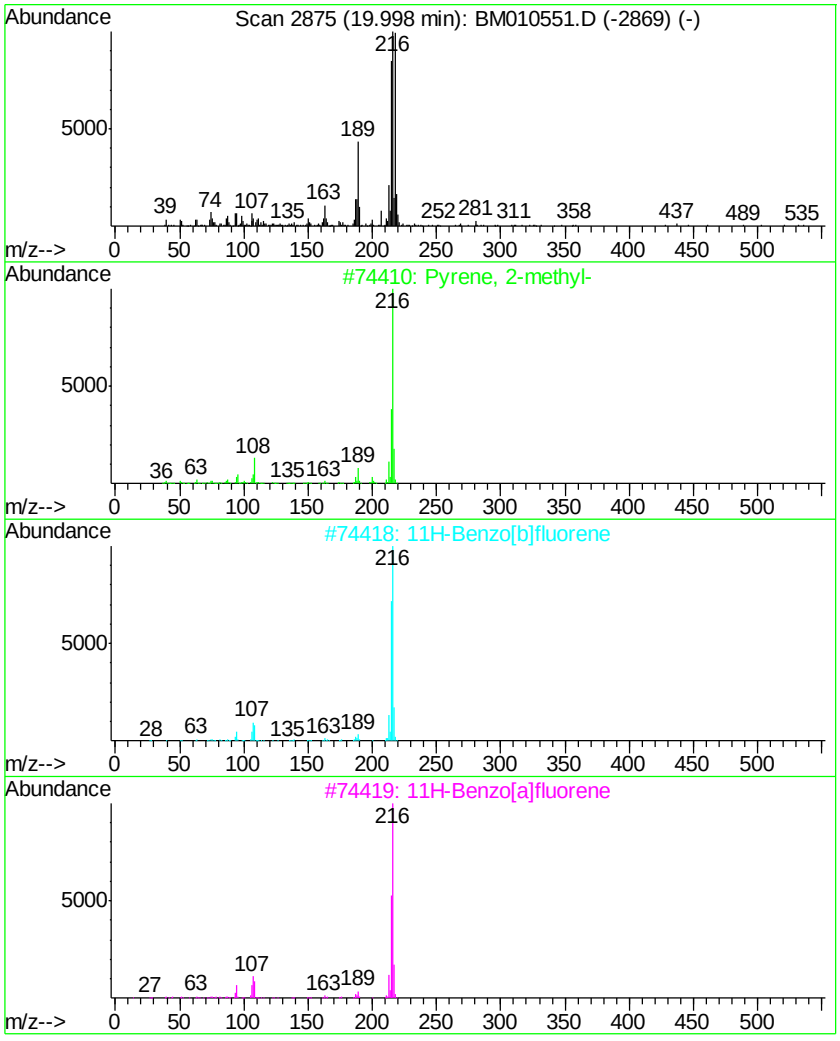
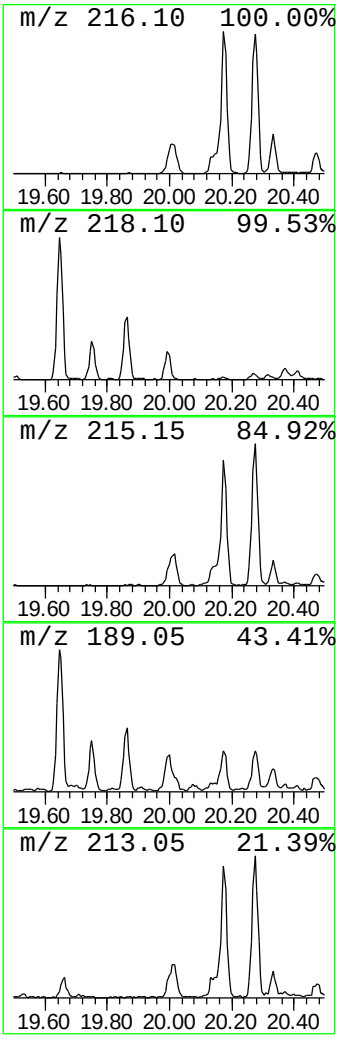
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.85 ng/ul	1085510	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	53
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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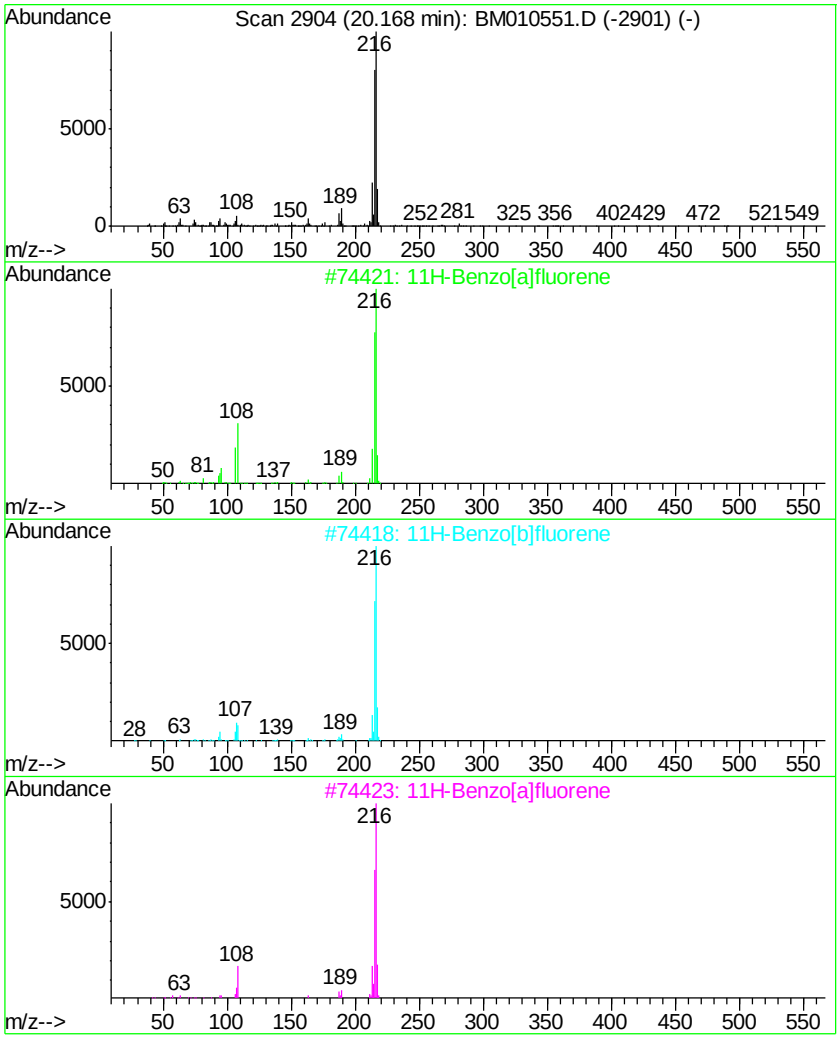
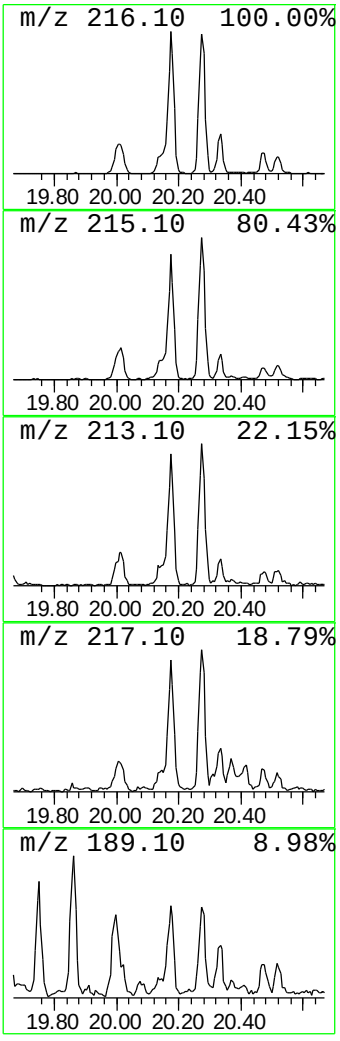
Peak Number 26 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	4.70 ng/ul	1791720	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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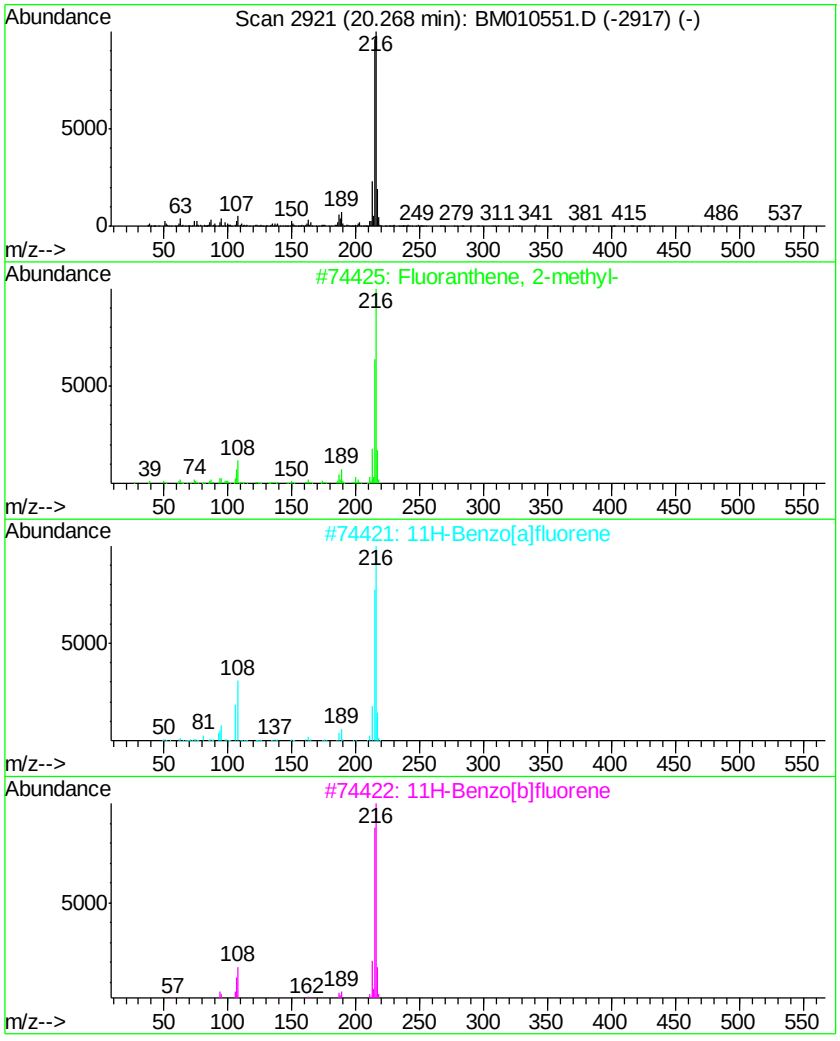
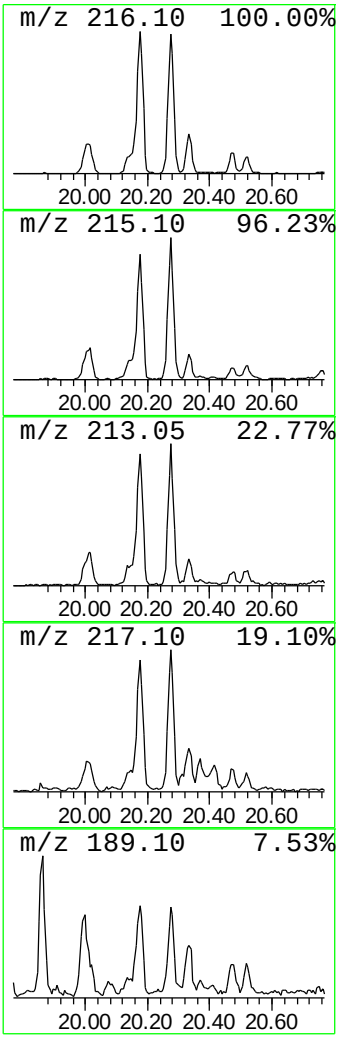
Peak Number 27 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	5.21 ng/ul	1986020	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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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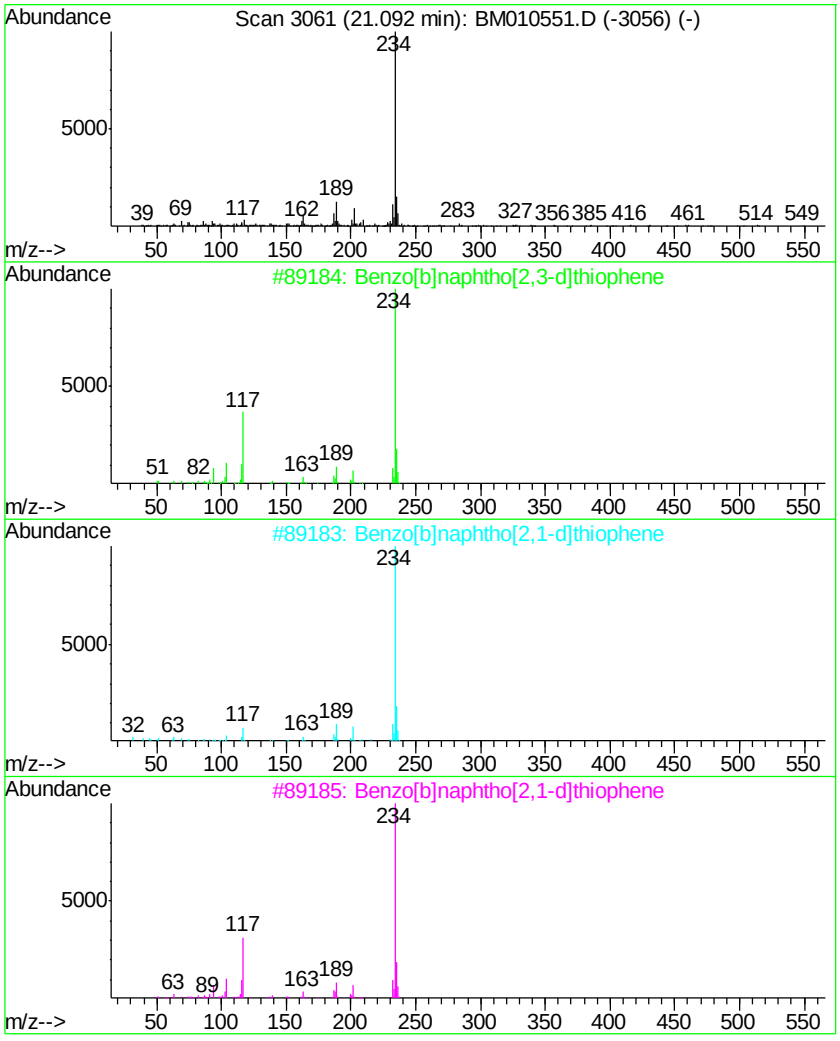
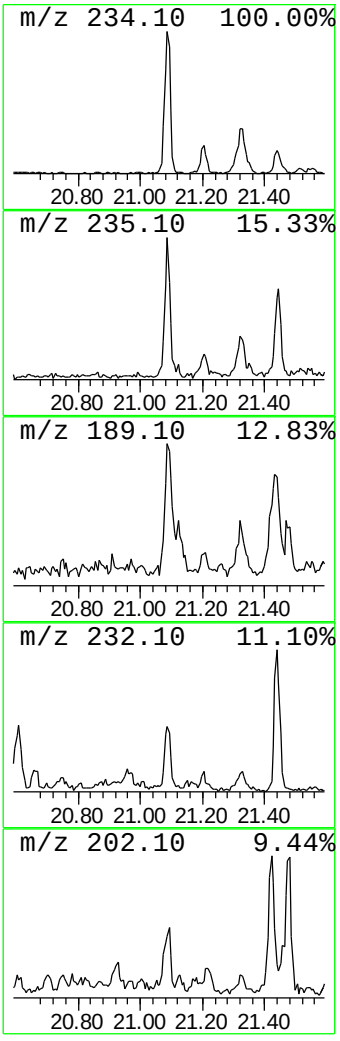
Peak Number 28 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.10 ng/ul	800088	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	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010551.D
Acq On : 13 Jun 2017 00:45
Operator : SJ/MA
Sample : I3521-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

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	67.8	ng/ul	3671440	2	10.69	1082790	20.0
Naphthalene, 1-et...	13.55	10.1	ng/ul	724333	3	14.52	1434410	20.0
Naphthalene, 1,4-...	13.67	12.9	ng/ul	923379	3	14.52	1434410	20.0
Naphthalene, 1,3-...	13.83	23.3	ng/ul	1671760	3	14.52	1434410	20.0
Naphthalene, 2,7-...	13.89	11.8	ng/ul	842808	3	14.52	1434410	20.0
Naphthalene, 2,3-...	14.07	8.2	ng/ul	588219	3	14.52	1434410	20.0
unknown-01	14.83	4.9	ng/ul	348703	3	14.52	1434410	20.0
4,6,8-Trimethylaz...	14.98	4.7	ng/ul	339240	3	14.52	1434410	20.0
Nordiphenamid	15.73	9.8	ng/ul	700108	3	14.52	1434410	20.0
9H-Fluoren-9-ol	15.86	16.2	ng/ul	1160090	3	14.52	1434410	20.0
Dibenzofuran, 4-m...	16.00	16.0	ng/ul	1780470	4	17.27	2219550	20.0
(4-Acetylphenyl)p...	16.20	3.8	ng/ul	418955	4	17.27	2219550	20.0
9H-Fluorene, 1-me...	16.57	10.5	ng/ul	1168010	4	17.27	2219550	20.0
2,2-Dimethyl-1-ac...	16.79	4.3	ng/ul	477519	4	17.27	2219550	20.0
Phenol, 4-(2-phen...	16.99	4.0	ng/ul	444828	4	17.27	2219550	20.0
Naphtho[2,1-b]thi...	17.09	16.3	ng/ul	1809940	4	17.27	2219550	20.0
Anthracene, 9-eth...	17.79	3.9	ng/ul	428914	4	17.27	2219550	20.0
unknown-02	17.85	2.9	ng/ul	323873	4	17.27	2219550	20.0
Phenanthrene, 2-m...	18.14	13.8	ng/ul	1530710	4	17.27	2219550	20.0
Phenanthrene, 1-m...	18.19	17.9	ng/ul	1986520	4	17.27	2219550	20.0
1H-Indene, 2-phenyl-	18.27	7.6	ng/ul	847616	4	17.27	2219550	20.0
4H-Cyclopenta[def...	18.35	29.0	ng/ul	3215560	4	17.27	2219550	20.0
5,16[1',2']:8,13[...	18.64	10.3	ng/ul	1139260	4	17.27	2219550	20.0
di-p-Tolylacetylene	19.05	4.5	ng/ul	501574	4	17.27	2219550	20.0
Pyrene, 2-methyl-	20.00	2.9	ng/ul	1085510	5	21.44	7622630	20.0
11H-Benzo[a]fluorene	20.17	4.7	ng/ul	1791720	5	21.44	7622630	20.0
Fluoranthene, 2-m...	20.27	5.2	ng/ul	1986020	5	21.44	7622630	20.0
Benzo[b]naphtho[2...	21.09	2.1	ng/ul	800088	5	21.44	7622630	20.0