LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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	7.875	808	814	824	rVB	501906	826644	1.32%	0.304%
2	10.681	1284	1291	1294	rBV	626125	1050661	1.68%	0.386%
3	10.733	1294	1300	1311	rVB	5758801	9011509	14.39%	3.310%
4	12.339	1565	1573	1584	rBV	8100293	11889151	18.98%	4.367%
5	12.557	1600	1610	1617	rVB	4116393	6185703	9.88%	2.272%
6	13.351	1737	1745	1752	rBV	2264118	3315173	5.29%	1.218%
7	13.539	1771	1777	1788	rVB	673747	1256383	2.01%	0.461%
8	13.669	1790	1799	1800	rBV	1167901	1619053	2.59%	0.595%
9	13.827	1819	1826	1831	rBV	1661009	2970791	4.74%	1.091%
10	13.880	1831	1835	1841	rVV	1045611	1493763	2.39%	0.549%
11	14.069	1859	1867	1870	rBV	652173	1005480	1.61%	0.369%
12	14.233	1884	1895	1904	rBV4	425363	956555	1.53%	0.351%
13	14.480	1932	1937	1940	rBV	922361	1313928	2.10%	0.483%
14	14.516	1940	1943	1949	rVV2	899722	1430771	2.28%	0.526%
15	14.586	1949	1955	1962	rVB	9761910	13165613	21.02%	4.836%
16	14.921	2004	2012	2017	rVV	8372486	11686689	18.66%	4.292%
17	15.568	2115	2122	2130	rVB	11671357	16163001	25.81%	5.936%
18	15.721	2144	2148	2153	rVB2	784174	1170364	1.87%	0.430%
19	15.851	2166	2170	2177	rVB	1272020	1895381	3.03%	0.696%
20	16.004	2188	2196	2203	rBV	1353510	2703362	4.32%	0.993%
21	16.563	2279	2291	2295	rBV2	1018026	1913022	3.05%	0.703%
22	16.786	2321	2329	2332	rBV2	343221	737017	1.18%	0.271%
23	16.980	2357	2362	2375	rBV	403003	875222	1.40%	0.321%
24	17.086	2375	2380	2386	rVV	1950963	2743918	4.38%	1.008%
25	17.268	2400	2411	2414	rBV	1311706	2089973	3.34%	0.768%
26	17.321	2414	2420	2425	rVV2	44092436	62630220	100.00%	23.003%
27	17.404	2429	2434	2440	rVB	3256099	4320196	6.90%	1.587%
28	17.686	2472	2482	2493	rVB	997288	1814303	2.90%	0.666%
29	17.780	2493	2498	2505	rBV2	366430	788245	1.26%	0.290%
30	18.133	2552	2558	2562	rBV	1735032	2460577	3.93%	0.904%
31	18.186	2562	2567	2572	rVB	2420225	3262467	5.21%	1.198%
32	18.262	2575	2580	2585	rVB	961382	1307747	2.09%	0.480%
33	18.339	2585	2593	2597	rBV2	3347541	5630452	8.99%	2.068%
34	18.633	2639	2643	2649	rVB	1352925	1808809	2.89%	0.664%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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	19.039	2707	2712	2717	rBV	510937	897756	1.43%	0.330%
36	19.327	2753	2761	2766	rBV	24206930	29157892	46.56%	10.709%
37	19.568	2796	2802	2809	rVB	510263	924615	1.48%	0.340%
38	19.651	2810	2816	2819	rBV2	2607175	4599914	7.34%	1.689%
39	19.692	2819	2823	2829	rVV	12532184	16309558	26.04%	5.990%
40	19.745	2829	2832	2840	rVB2	577118	835322	1.33%	0.307%
41	19.856	2847	2851	2856	rVB	756666	899382	1.44%	0.330%
42	19.992	2869	2874	2882	rVB3	651449	1508446	2.41%	0.554%
43	20.074	2883	2888	2892	rBV	455458	649532	1.04%	0.239%
44	20.139	2893	2899	2900	rVV2	429211	719667	1.15%	0.264%
45	20.174	2900	2905	2910	rVB	2147763	3053859	4.88%	1.122%
46	20.268	2916	2921	2925	rBV	2483904	3369642	5.38%	1.238%
47	20.327	2925	2931	2935	rVB3	526237	1088256	1.74%	0.400%
48	20.515	2960	2963	2974	rVB2	520798	979731	1.56%	0.360%
49	21.086	3055	3060	3063	rBV	778405	1220223	1.95%	0.448%
50	21.121	3063	3066	3070	rVV	619066	845936	1.35%	0.311%
51	21.162	3070	3073	3077	rVV2	476318	724109	1.16%	0.266%
52	21.421	3112	3117	3123	rBV2	4491549	9094570	14.52%	3.340%
53	21.474	3123	3126	3130	rVB	3062159	3703151	5.91%	1.360%
54	21.592	3142	3146	3152	rBV	643427	913194	1.46%	0.335%
55	23.056	3390	3395	3400	rBV	1087500	2499916	3.99%	0.918%
56	23.562	3477	3481	3486	rVB	490580	818318	1.31%	0.301%
57	23.662	3493	3498	3504	rVB2	884556	1544125	2.47%	0.567%
58	23.768	3510	3516	3522	rBV	1260606	2417998	3.86%	0.888%

Sum of corrected areas: 272267255

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Operator : SJ/MA
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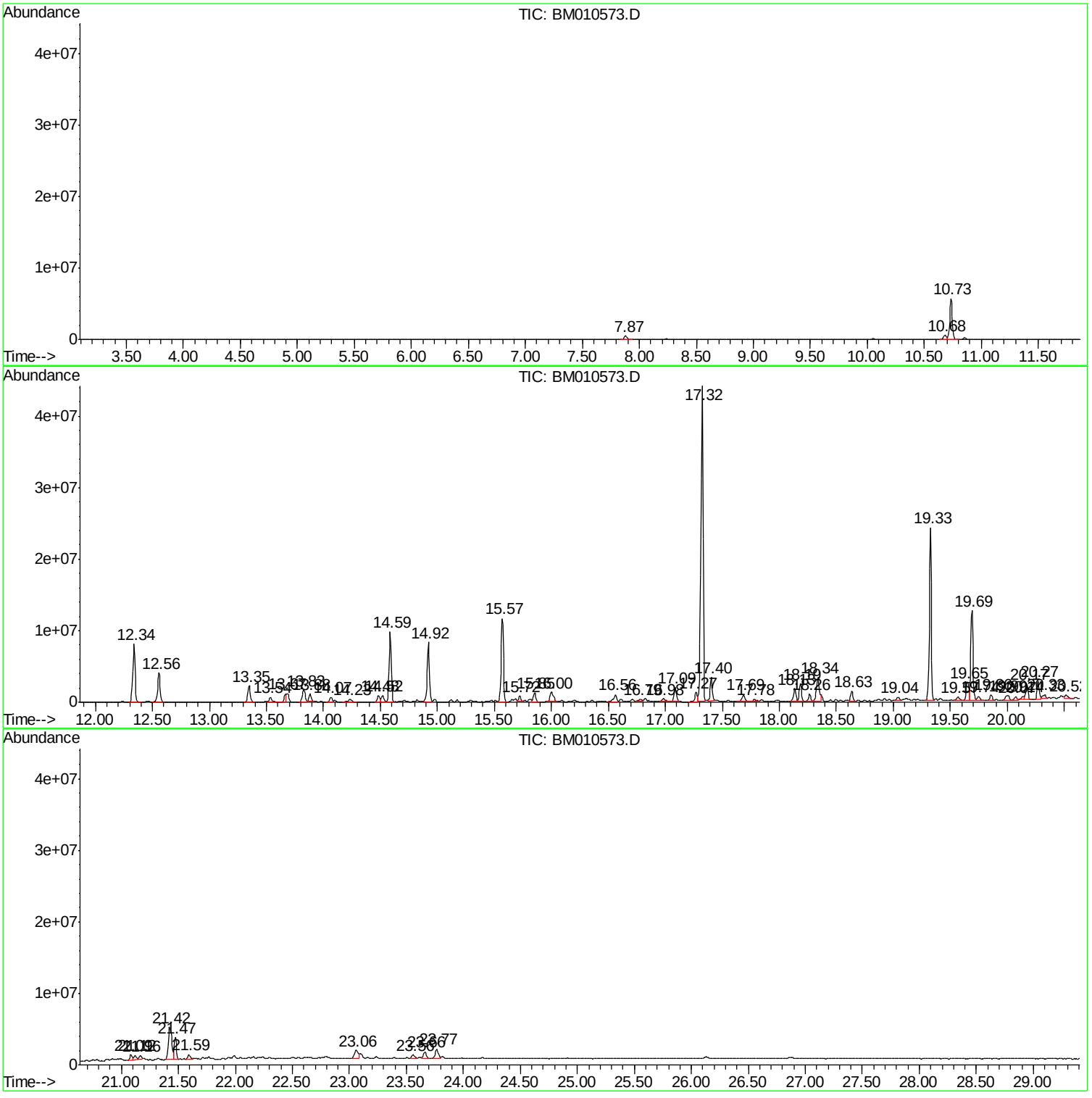
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C56

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

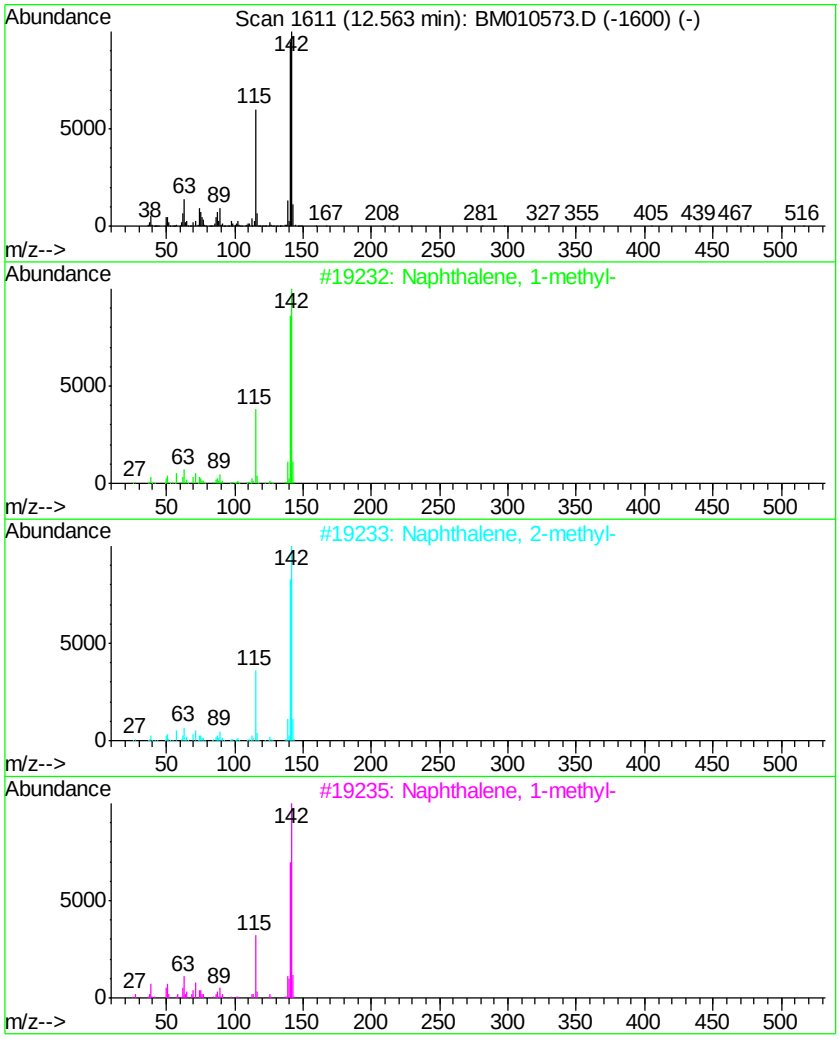
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

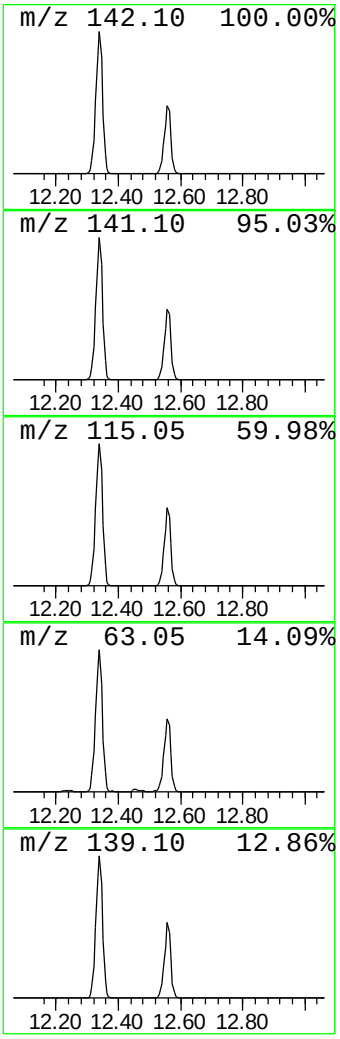
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	117.75 ng/ul	6185700	Naphthalene-d8	10.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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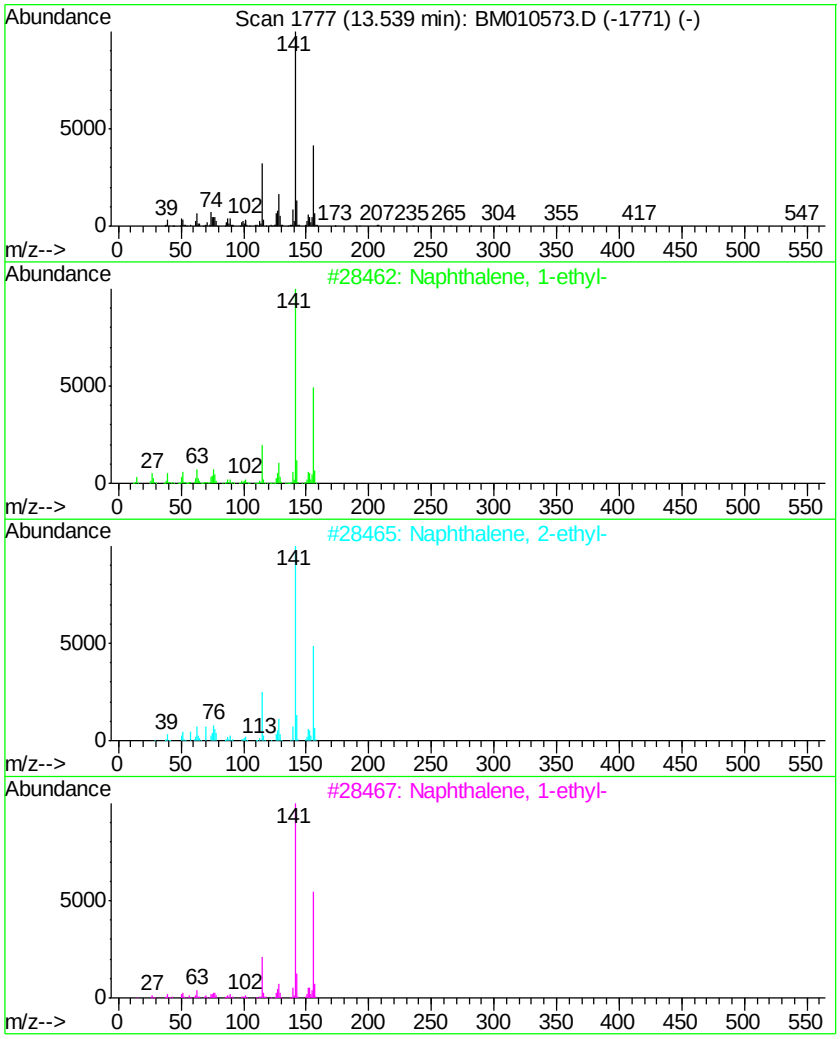
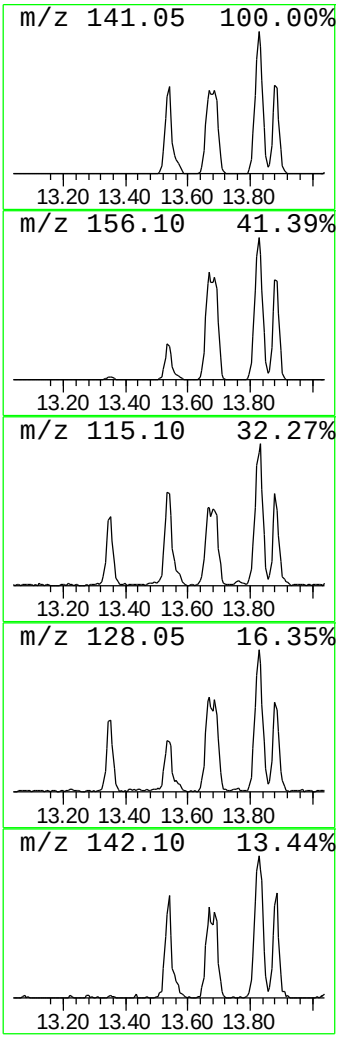
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	17.56 ng/ul	1256380	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-ethyl-	156	C12H12	000939-27-5	93
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

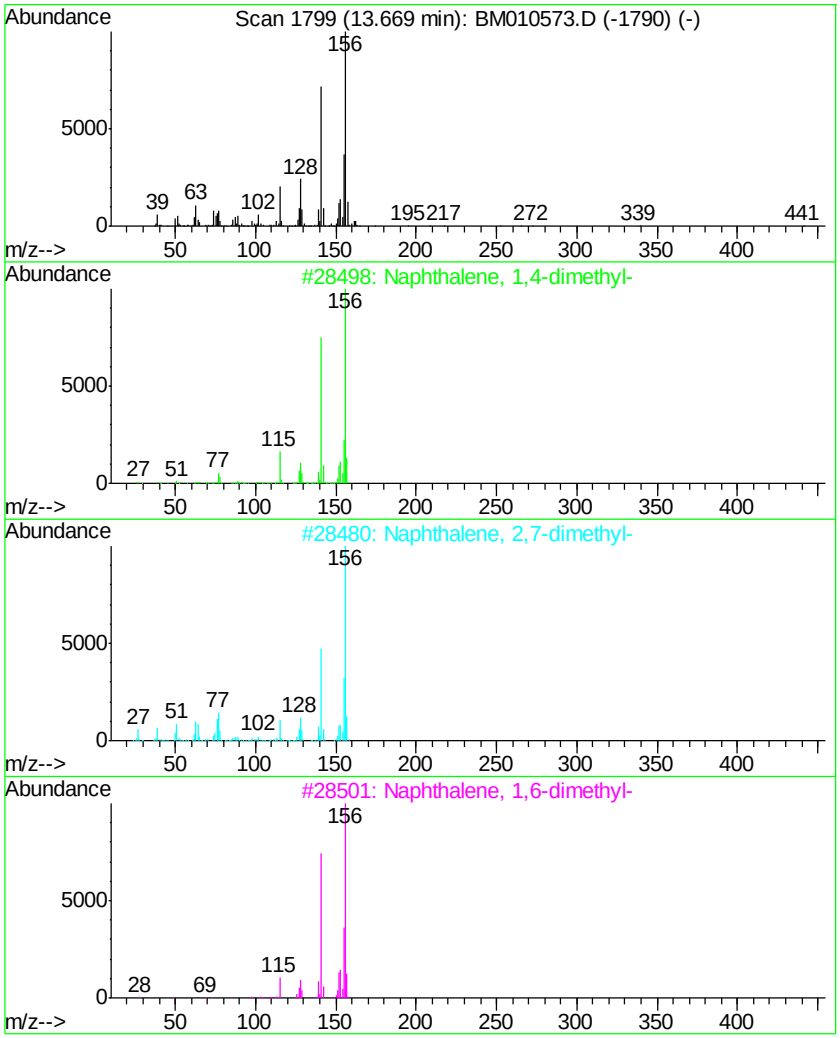
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

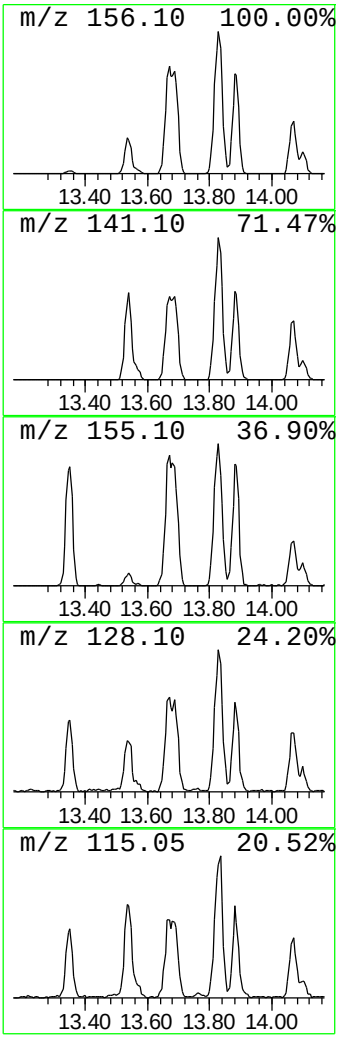
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	22.63 ng/ul	1619050	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, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

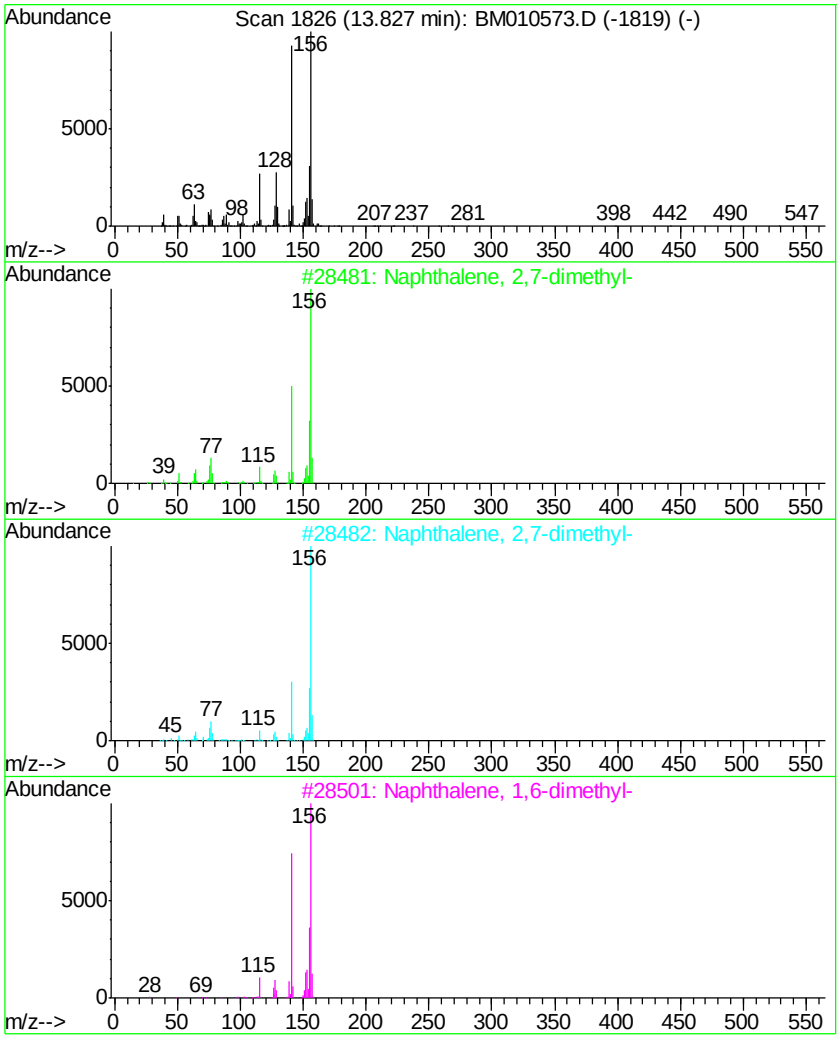
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

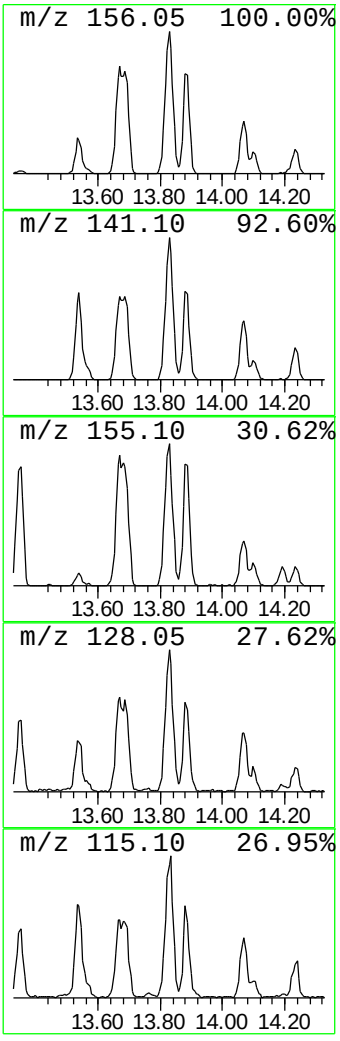
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	41.53 ng/ul	2970790	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

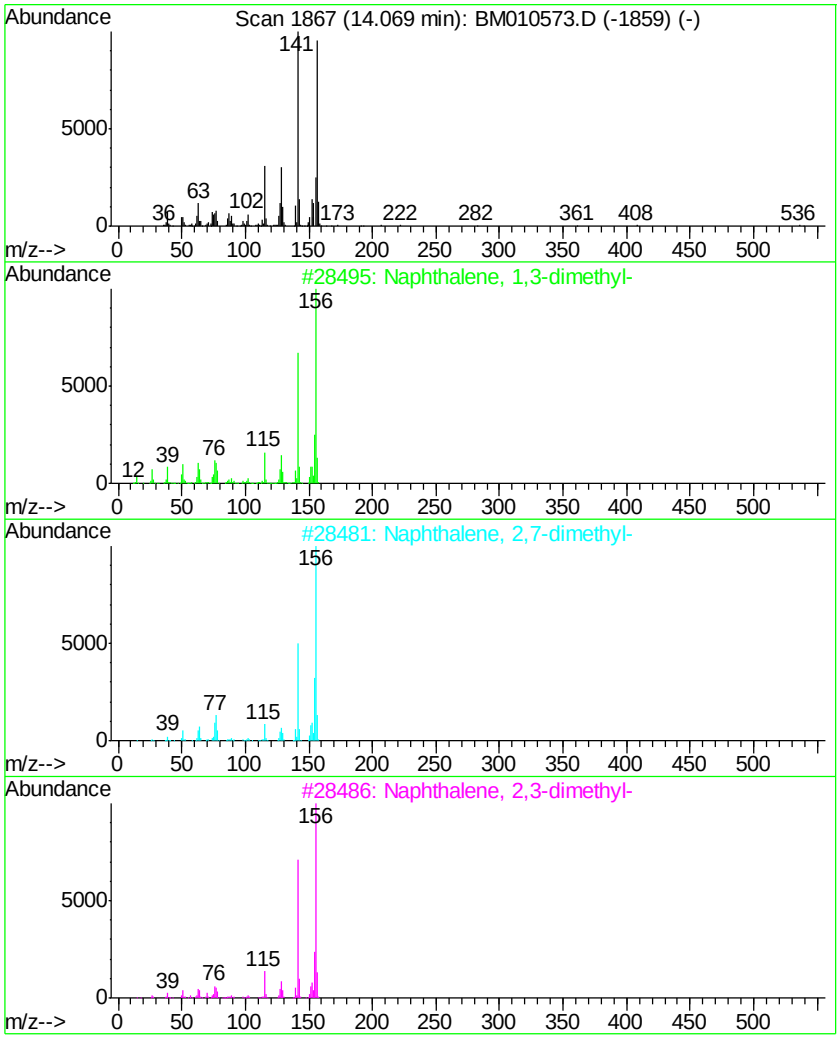
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

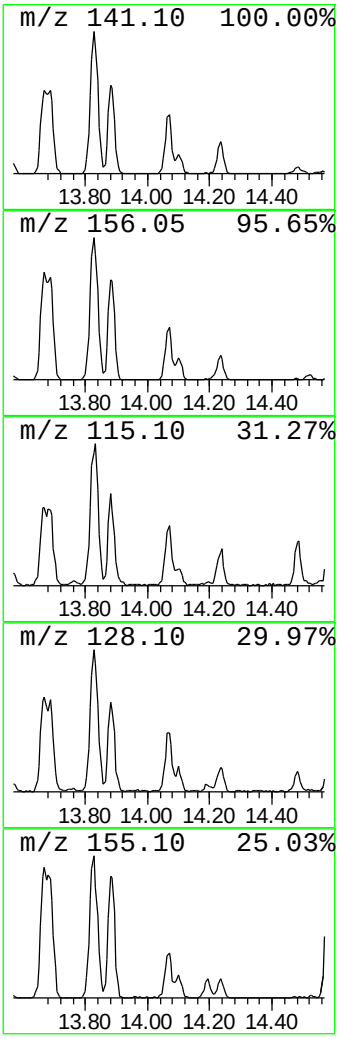
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	14.06 ng/ul	1005480	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, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
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Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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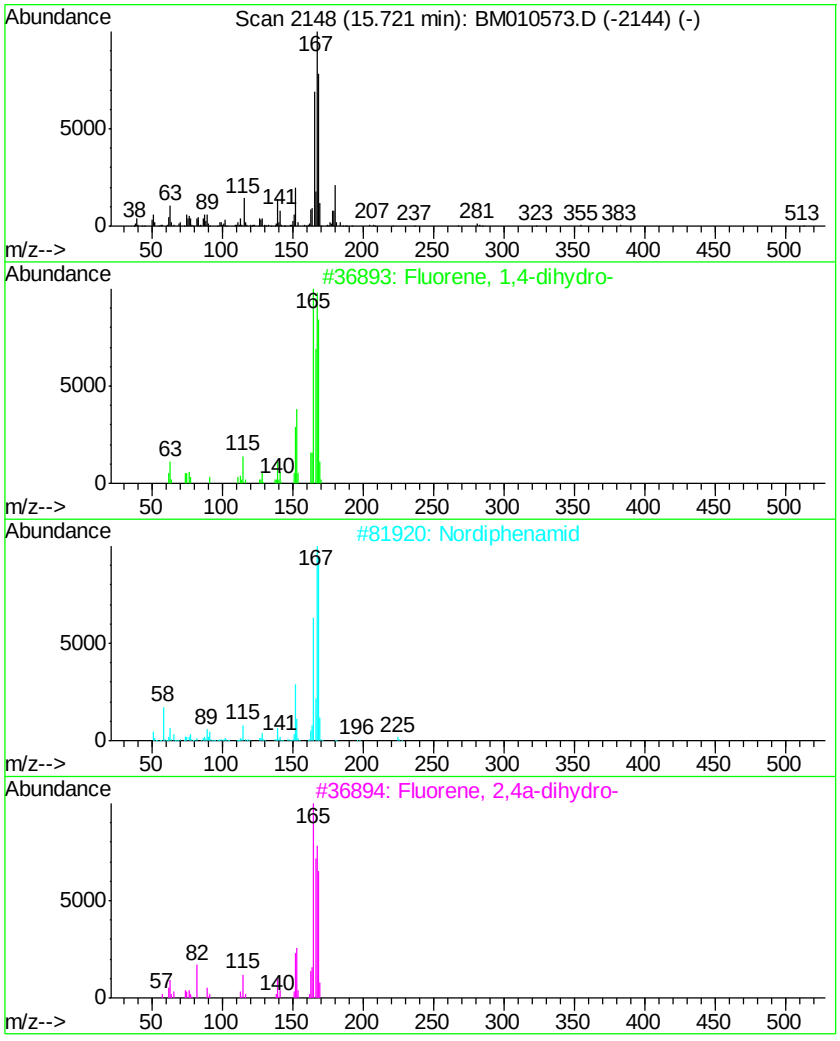
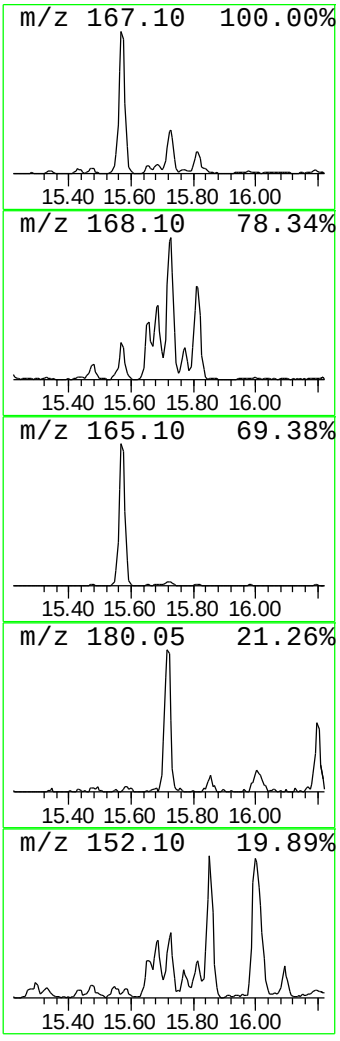
Peak Number 7 Fluorene, 1,4-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	16.36 ng/ul	1170360	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	86
2	Nordiphenamid	225	C15H15NO	000954-21-2	78
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	Diphenylmethane	168	C13H12	000101-81-5	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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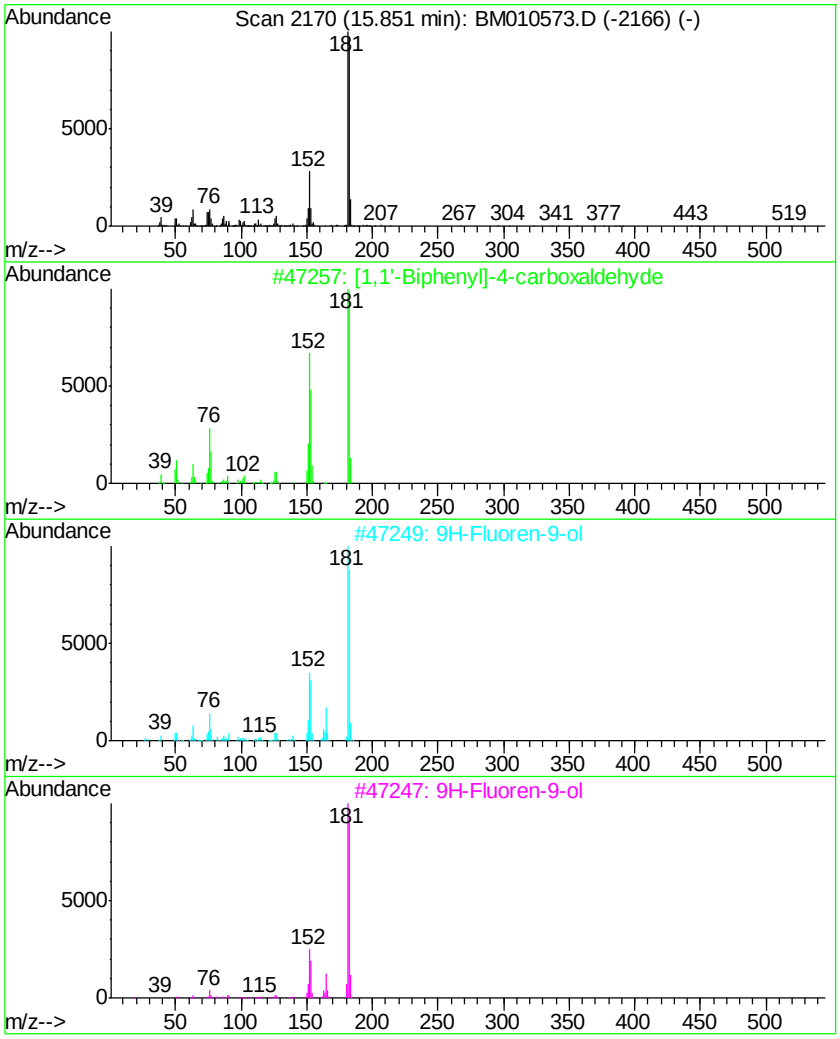
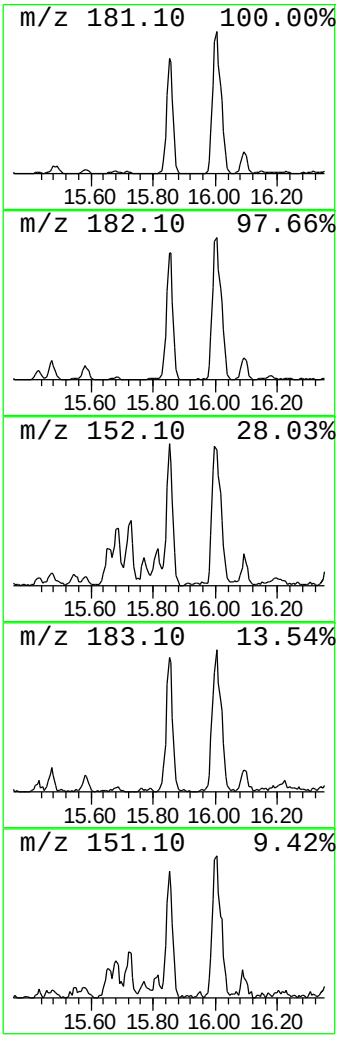
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	26.49 ng/ul	1895380	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

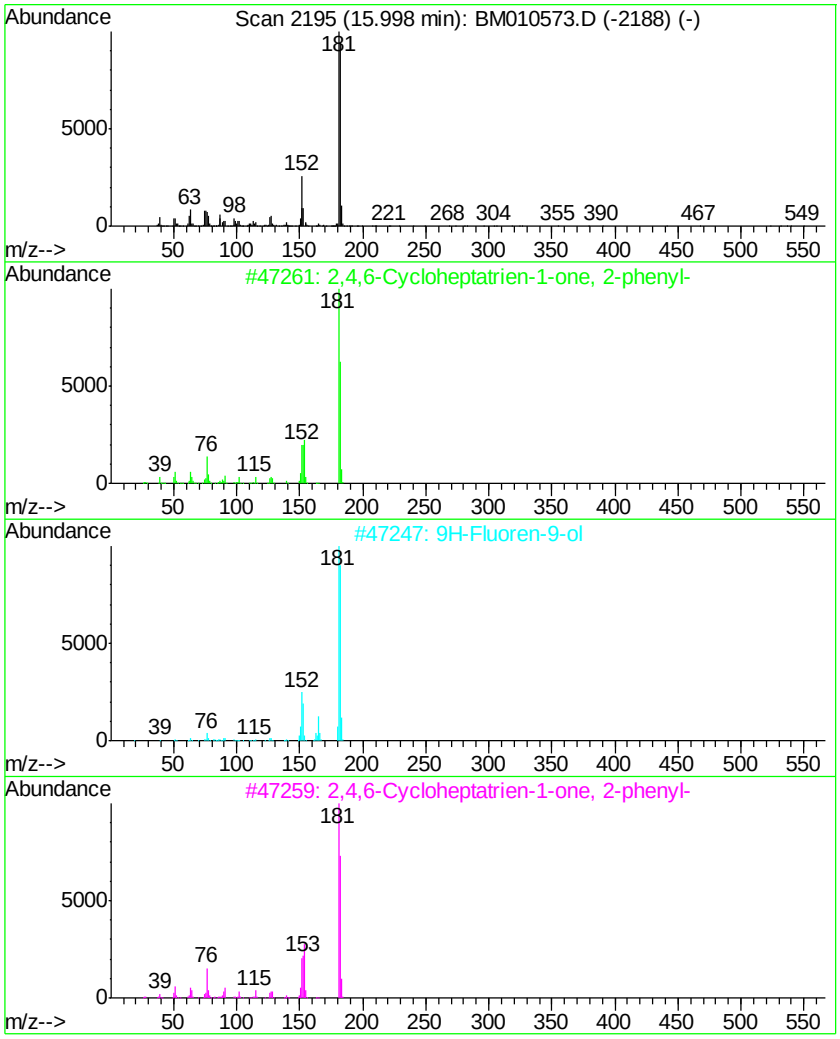
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

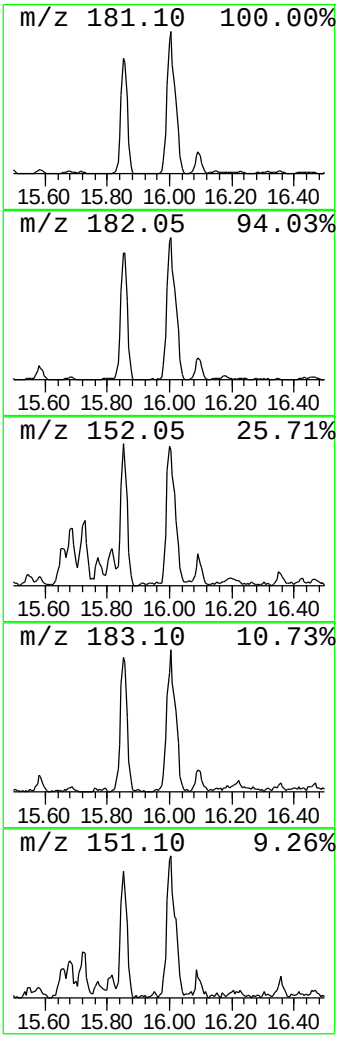
****

Peak Number 9 2,4,6-Cycloheptatrien-1-one... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	25.87 ng/ul	2703360	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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Quant Title : SVOA CALIBRATION

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

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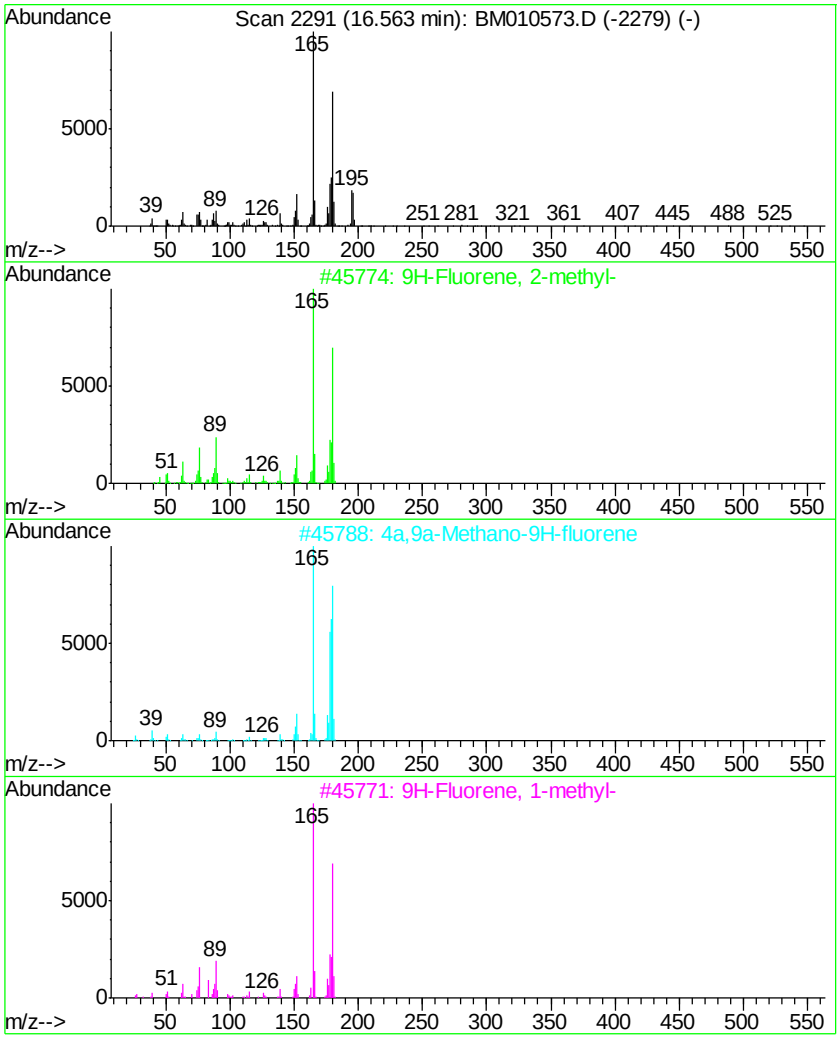
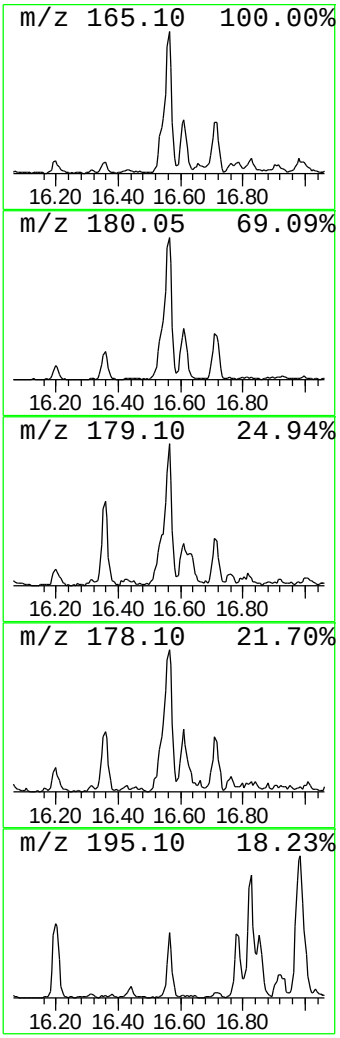
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	18.31 ng/ul	1913020	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70





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Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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Quant Title : SVOA CALIBRATION

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

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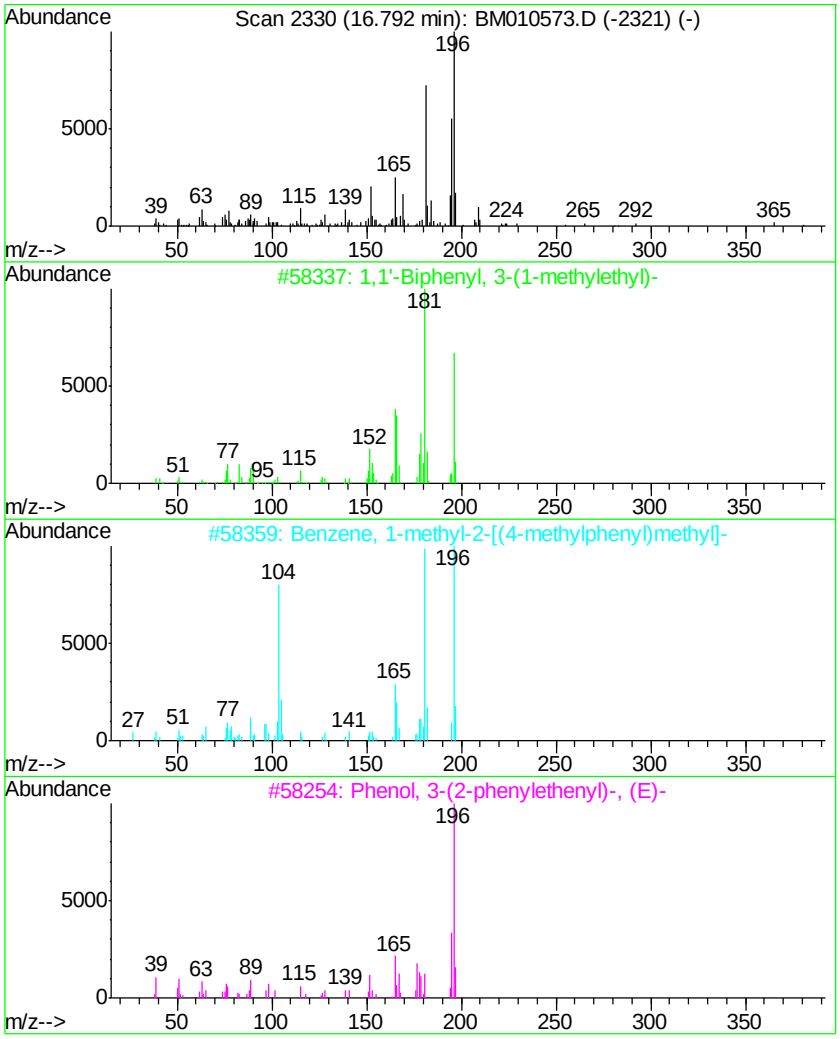
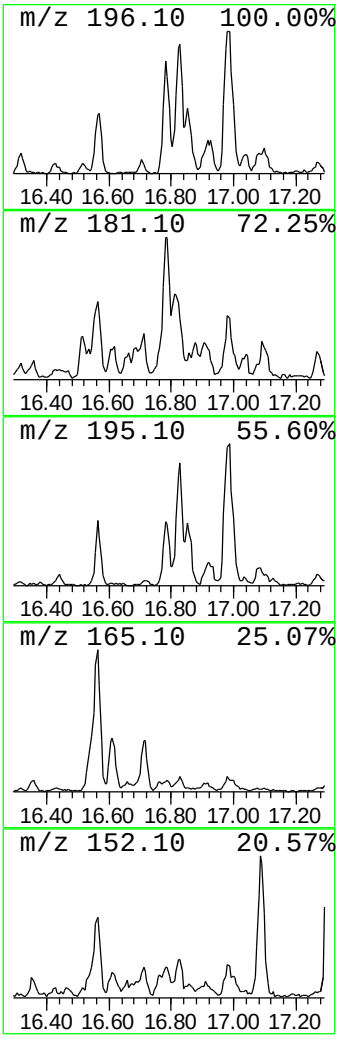
Peak Number 11 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	7.05 ng/ul	737017	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	59
2	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	53
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	1H-Indene-1,3(2H)-dione, 2-hydro...	356	C23H16O4	050616-96-1	47
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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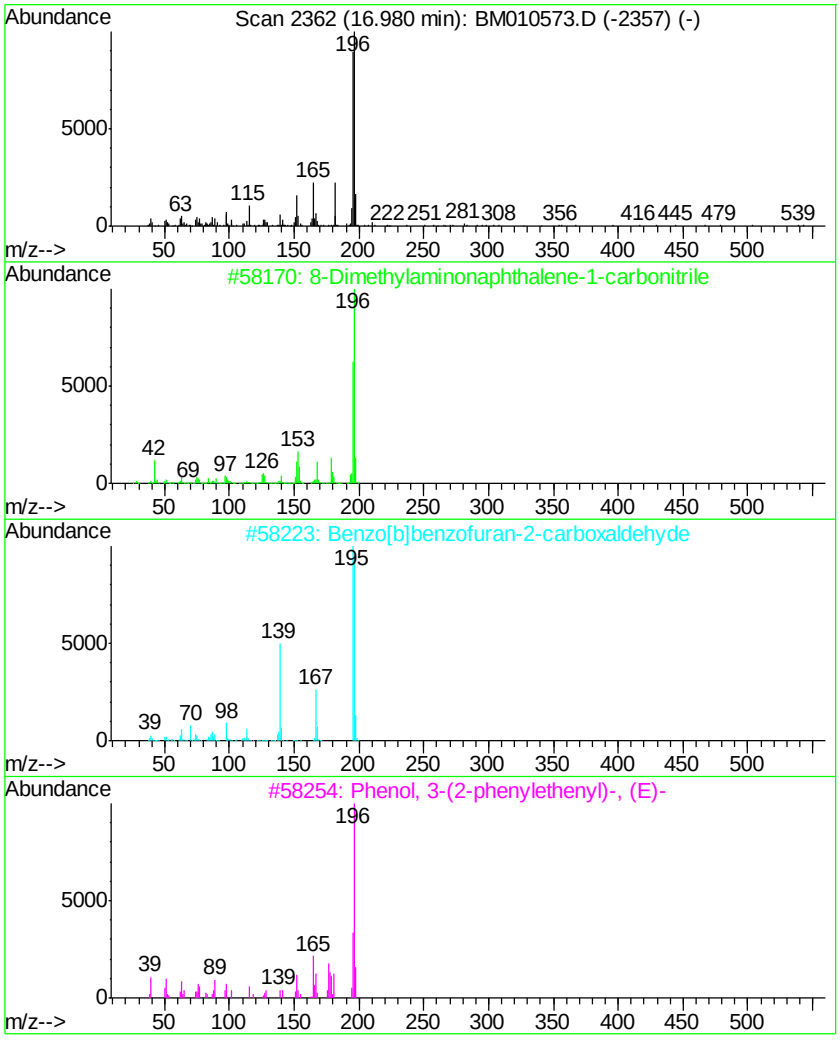
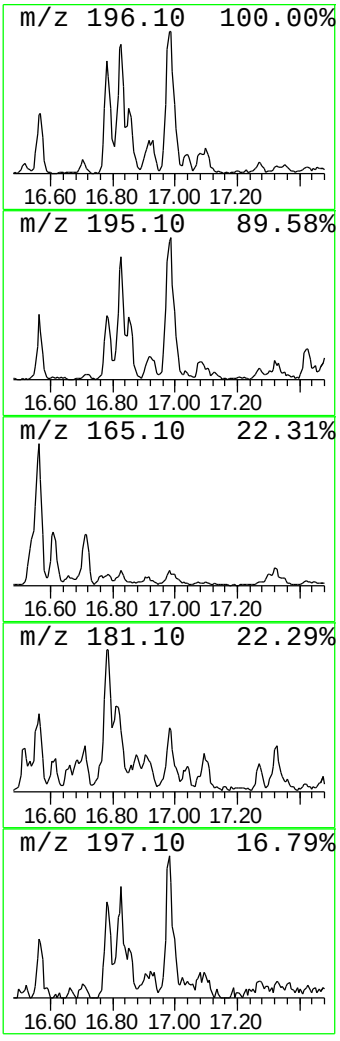
Peak Number 12 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	8.38 ng/ul	875222	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





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Instrument : BNA_M
ClientSampleId : F5C56

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Quant Title : SVOA CALIBRATION

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

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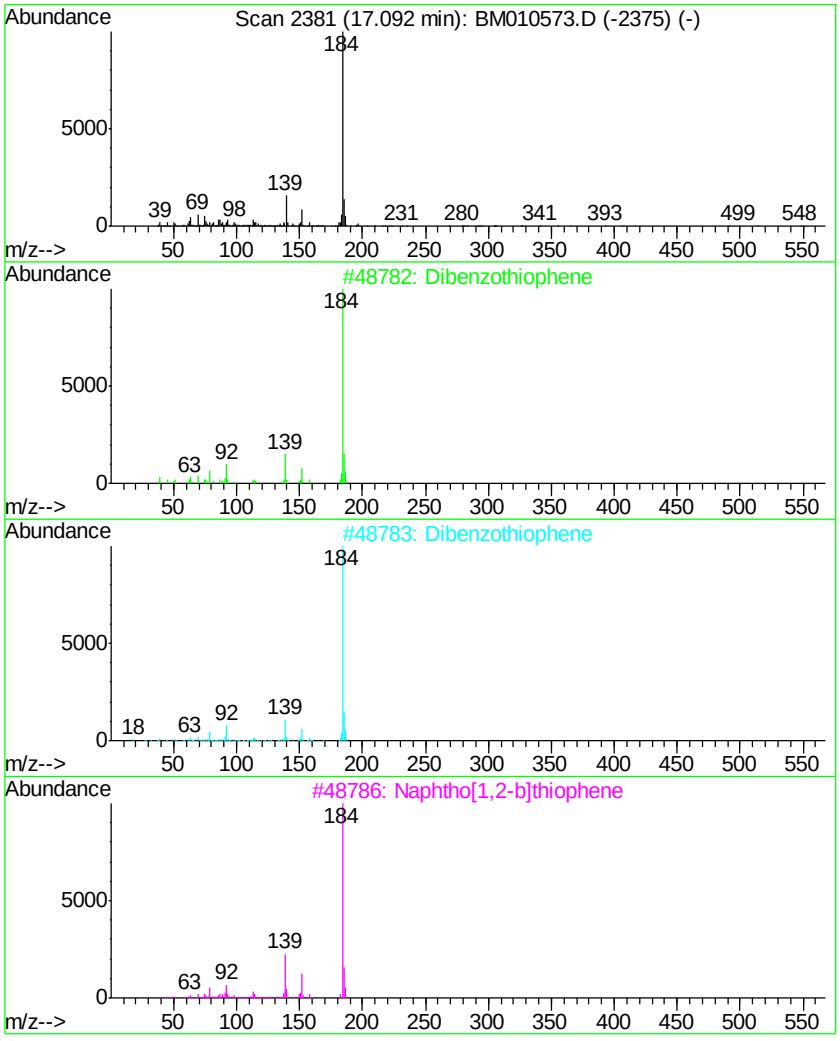
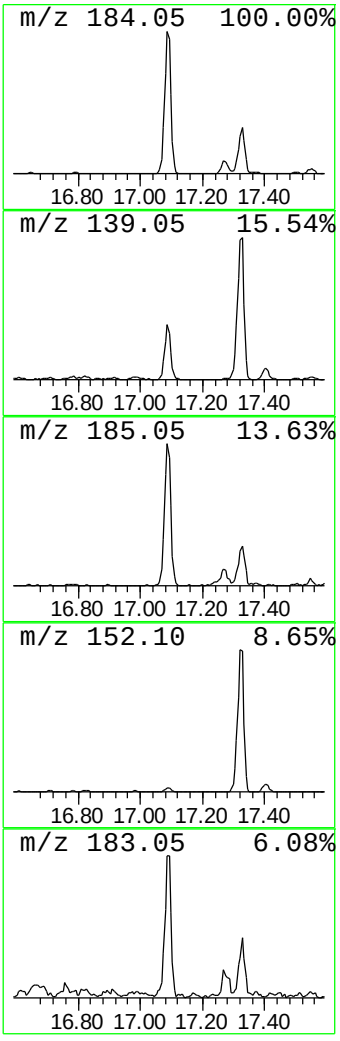
Peak Number 13 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	26.26 ng/ul	2743920	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
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	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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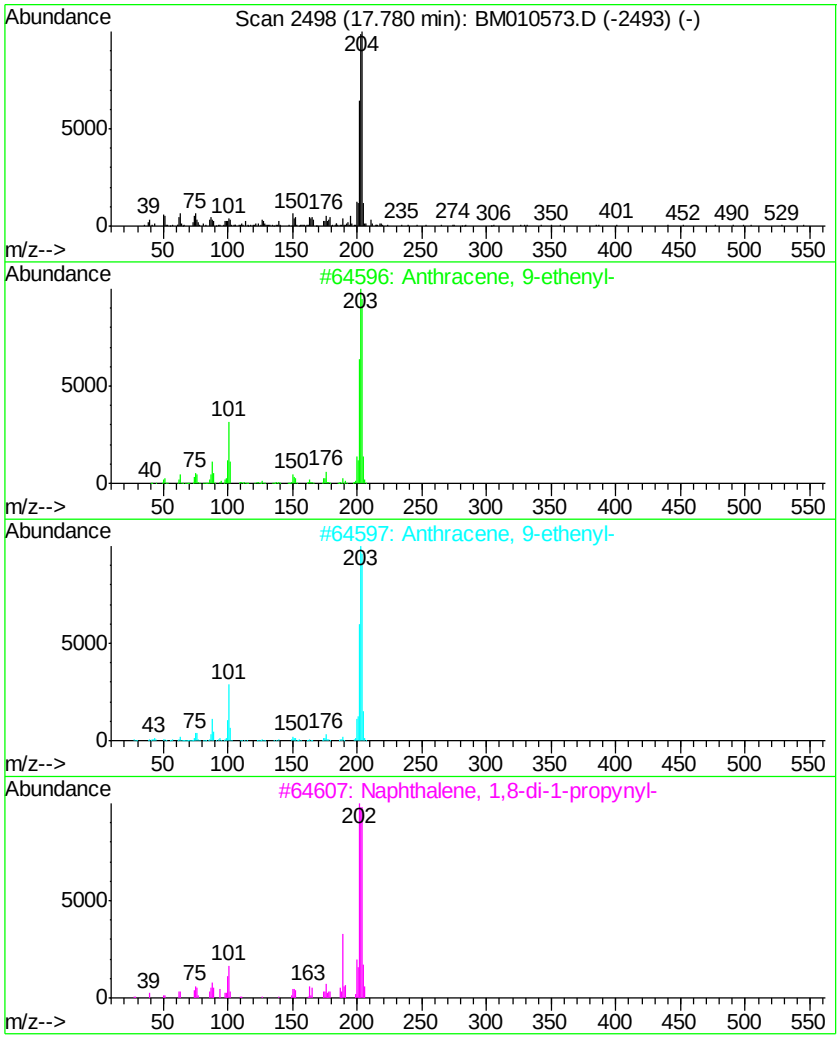
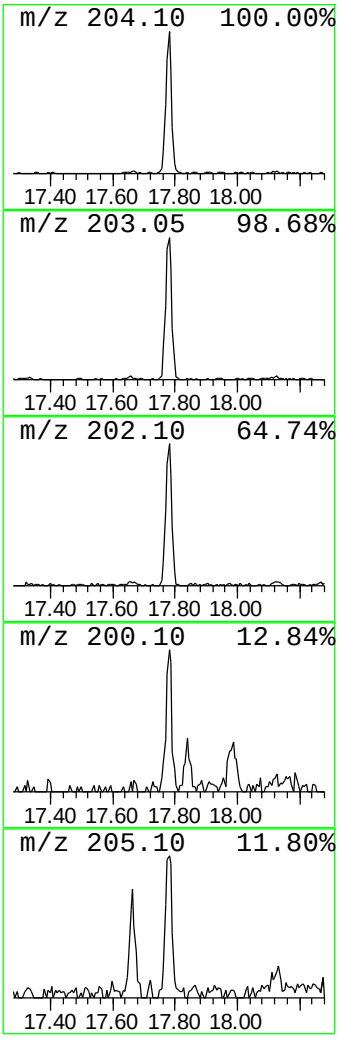
Peak Number 14 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	7.54 ng/ul	788245	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	68
3	Naphthalene, 1,8-di-1-propynyl-	204	C16H12	022360-77-6	64
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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Quant Title : SVOA CALIBRATION

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

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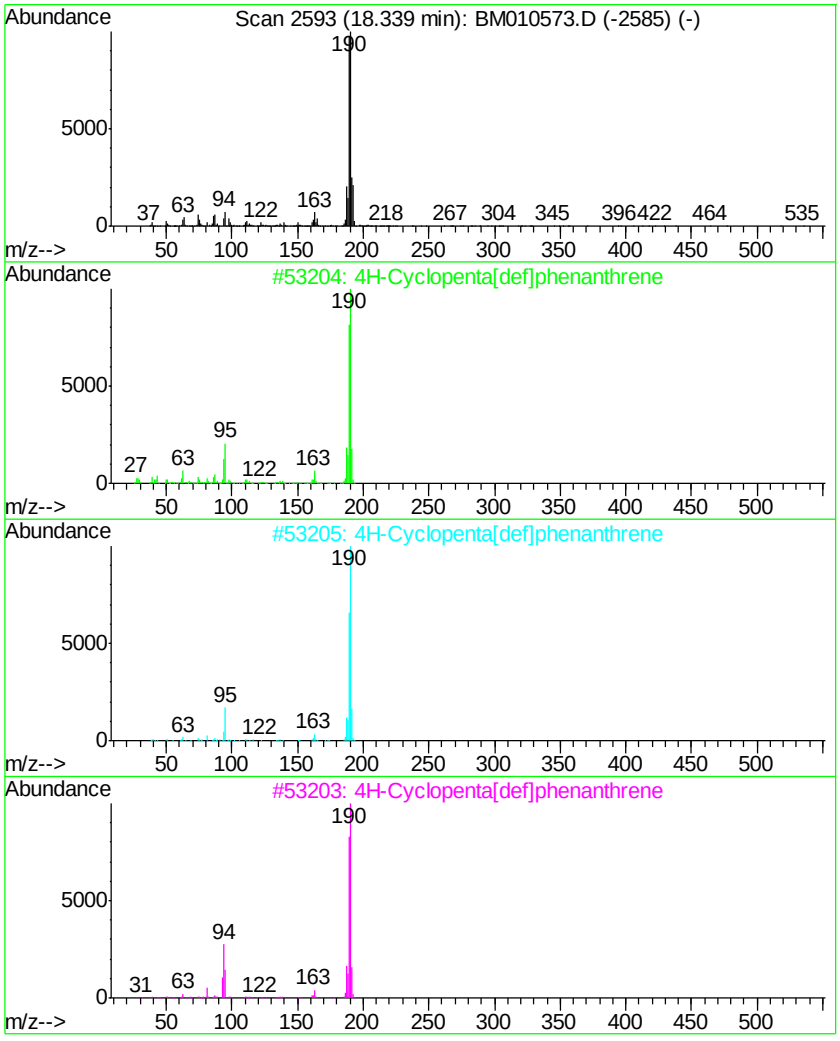
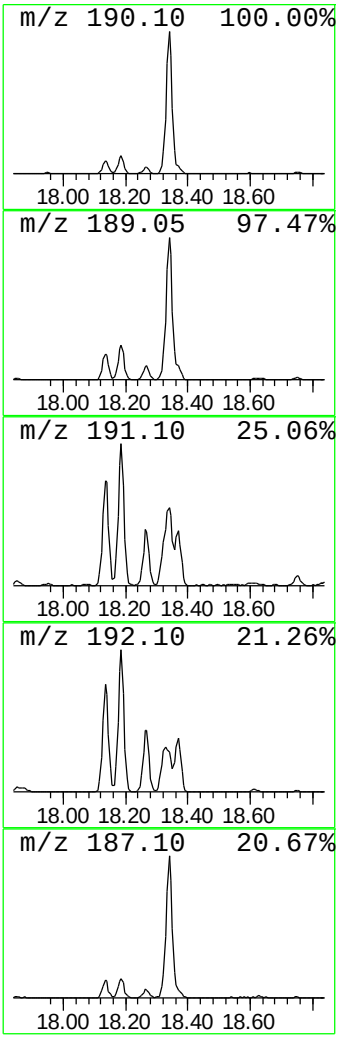
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	53.88 ng/ul	5630450	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Sample : I3521-08 10X
Misc :
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Instrument : BNA_M
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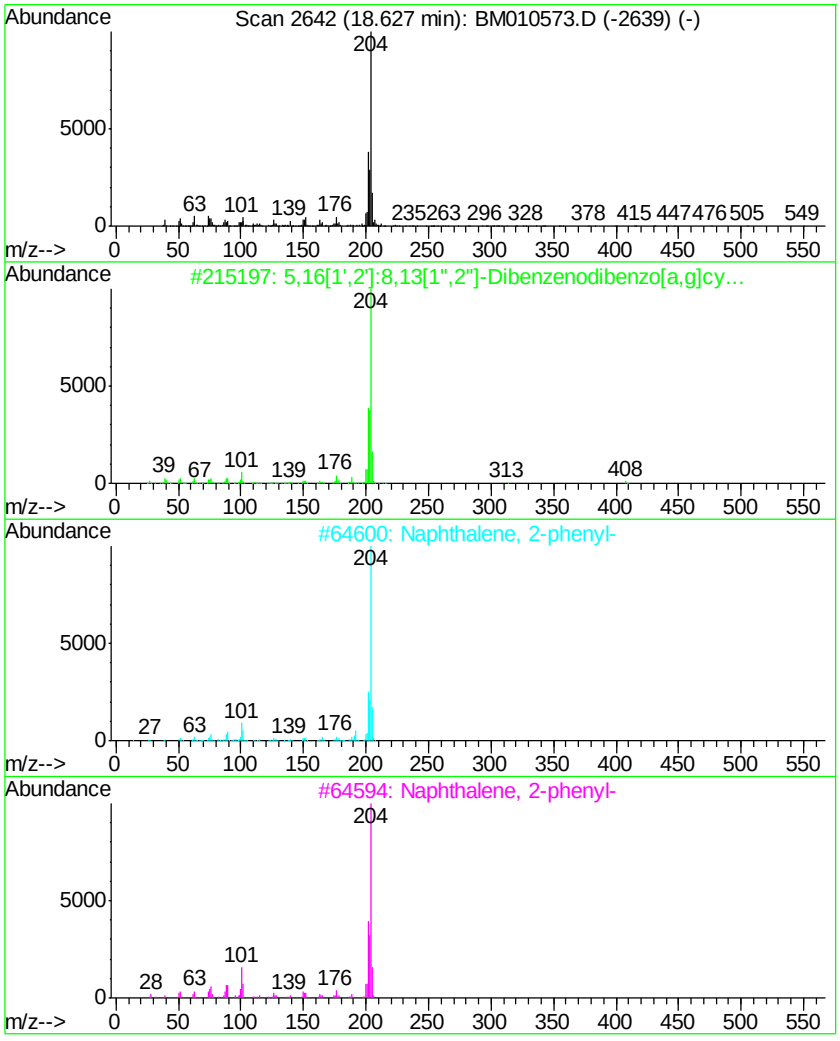
Quant Title : SVOA CALIBRATION

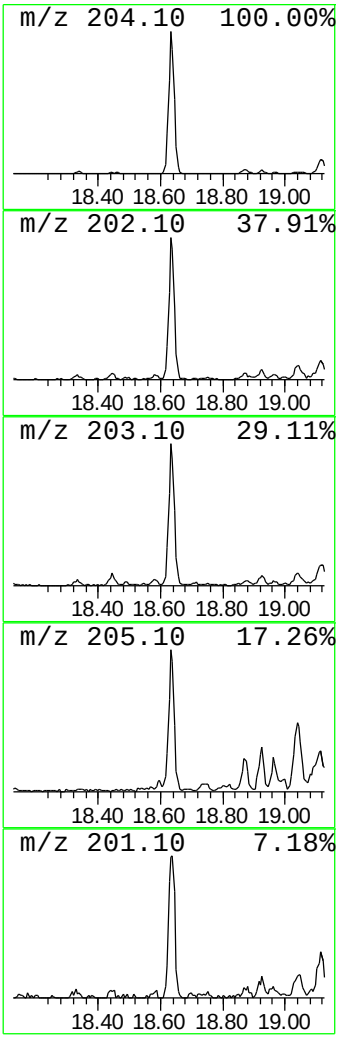
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	17.31 ng/ul	1808810	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	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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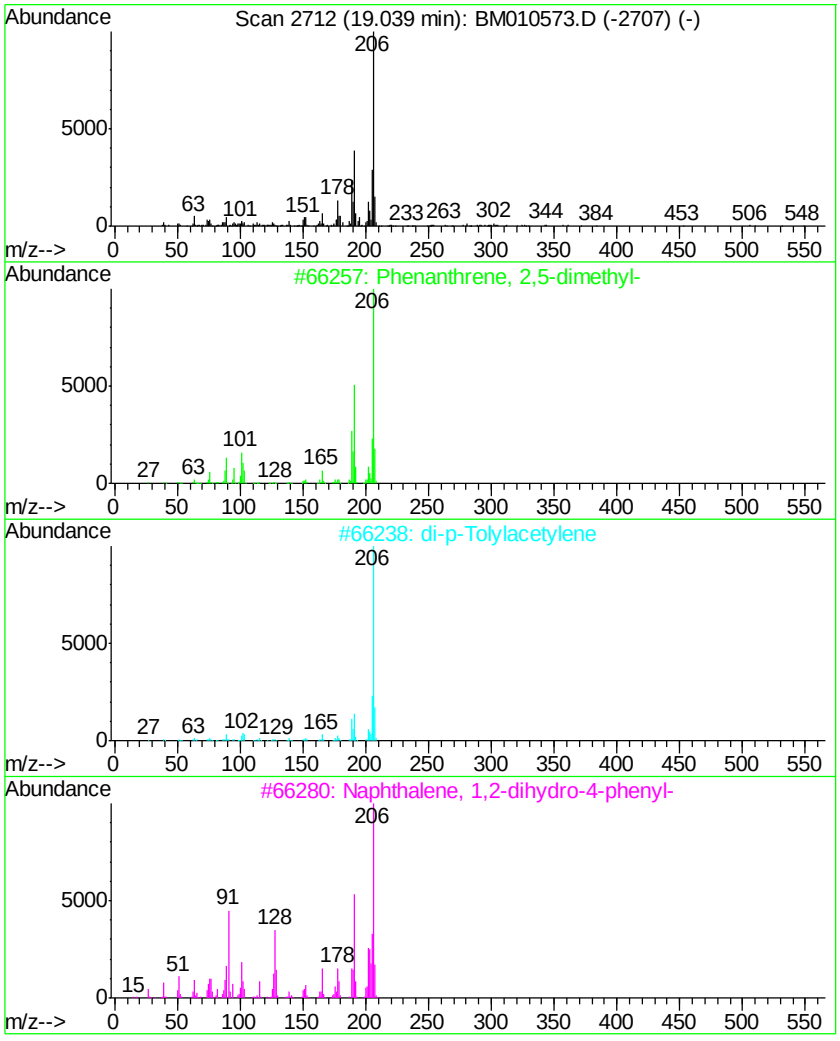
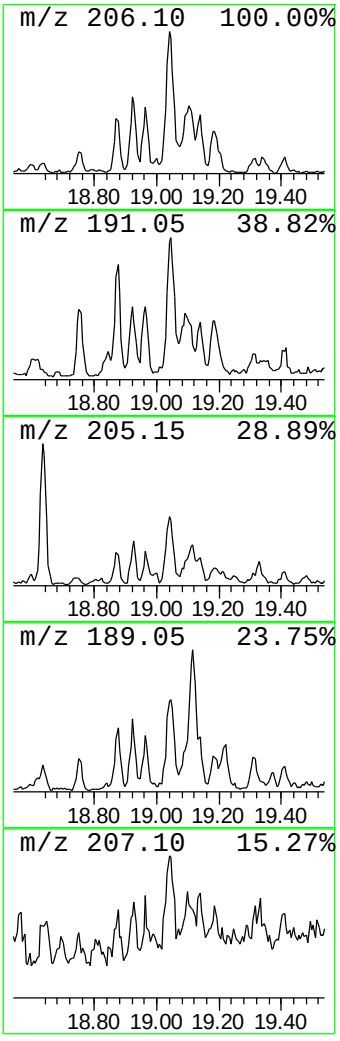
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	8.59 ng/ul	897756	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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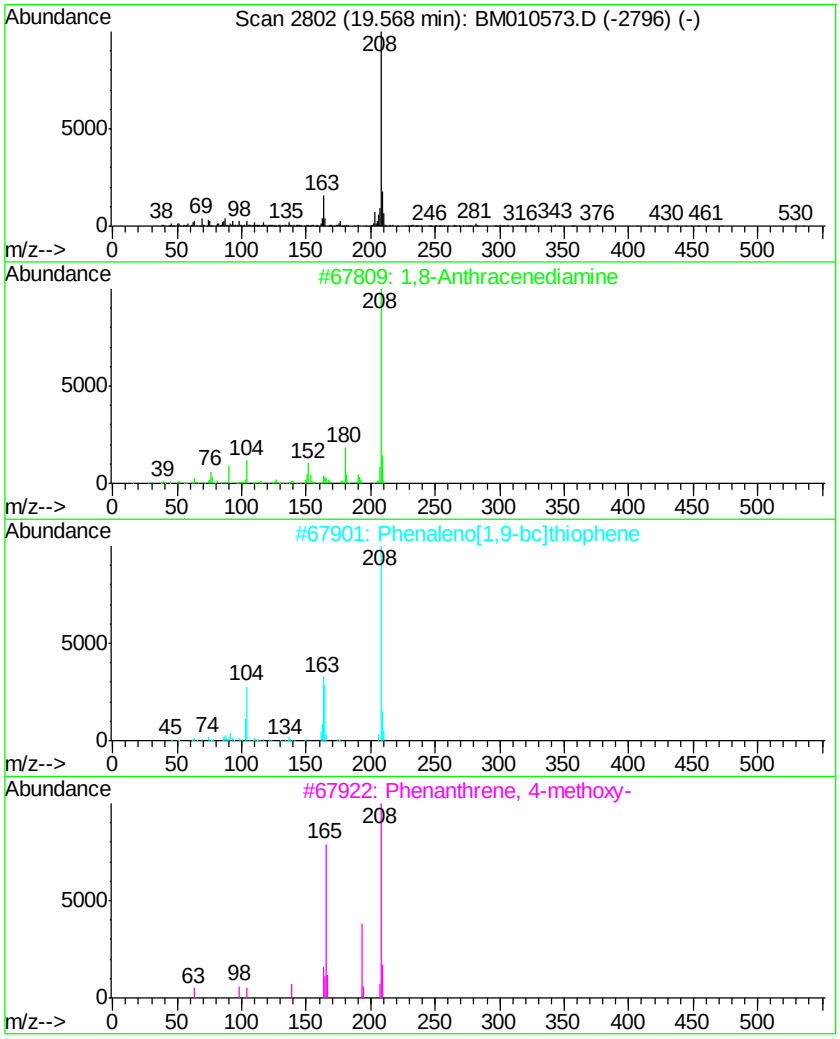
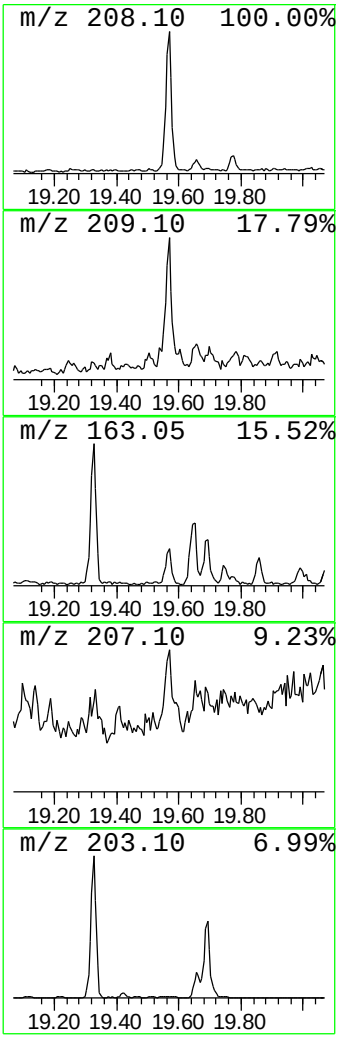
Peak Number 21 1,8-Anthracenediamine Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.03 ng/ul	924615	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	72
2	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	64
3	Phenanthrene, 4-methoxy-	208	C15H12O	015638-06-9	64
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	64
5	1-(4,4-Dimethyl-4H-benzo[h]quino...	251	C17H17NO	1000310-52-4	56





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Instrument : BNA_M
ClientSampleId : F5C56

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Quant Title : SVOA CALIBRATION

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

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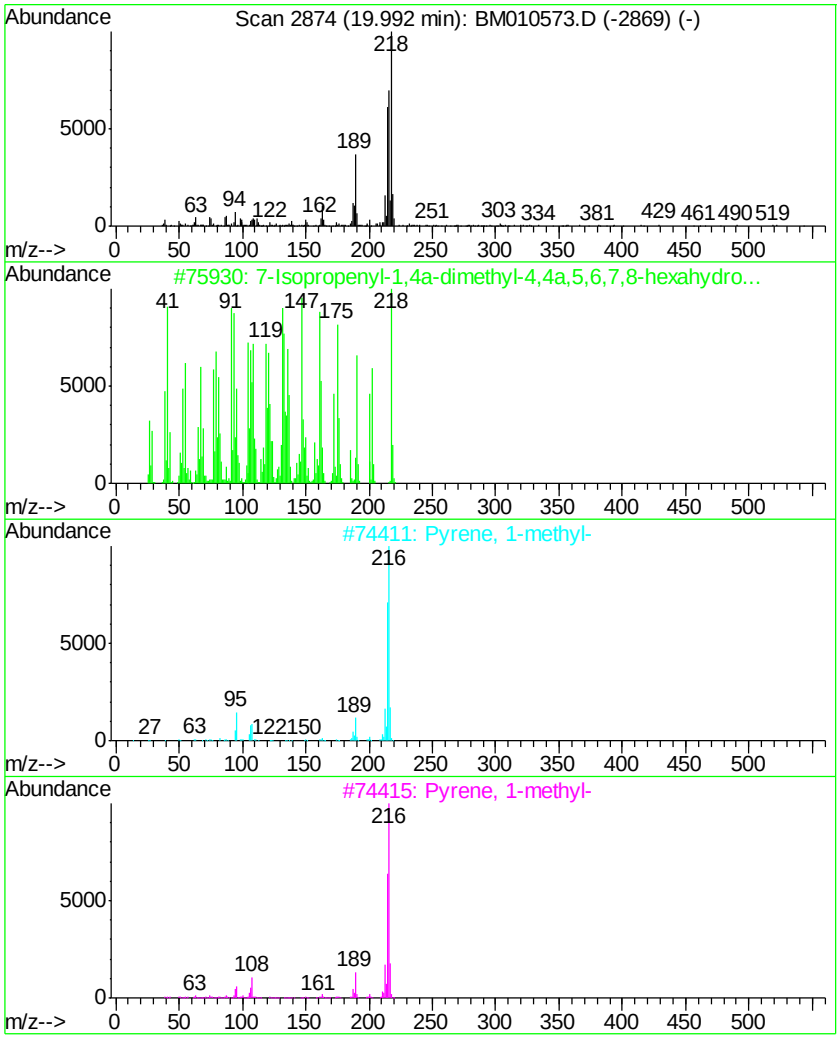
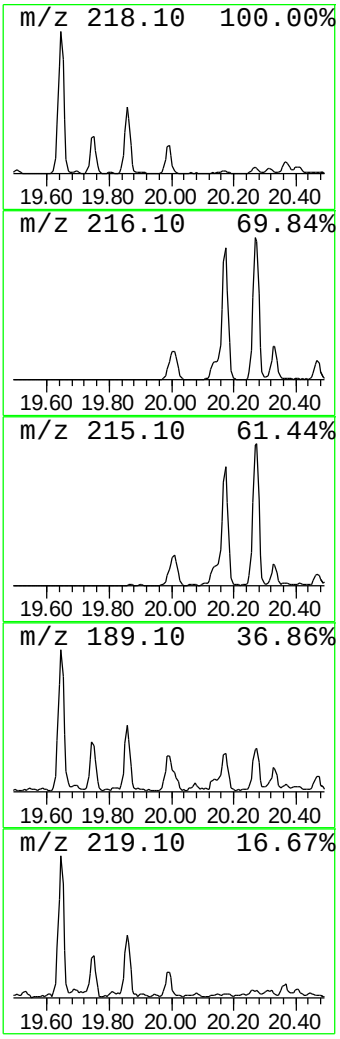
Peak Number 22 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.32 ng/ul	1508450	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	60





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Quant Title : SVOA CALIBRATION

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

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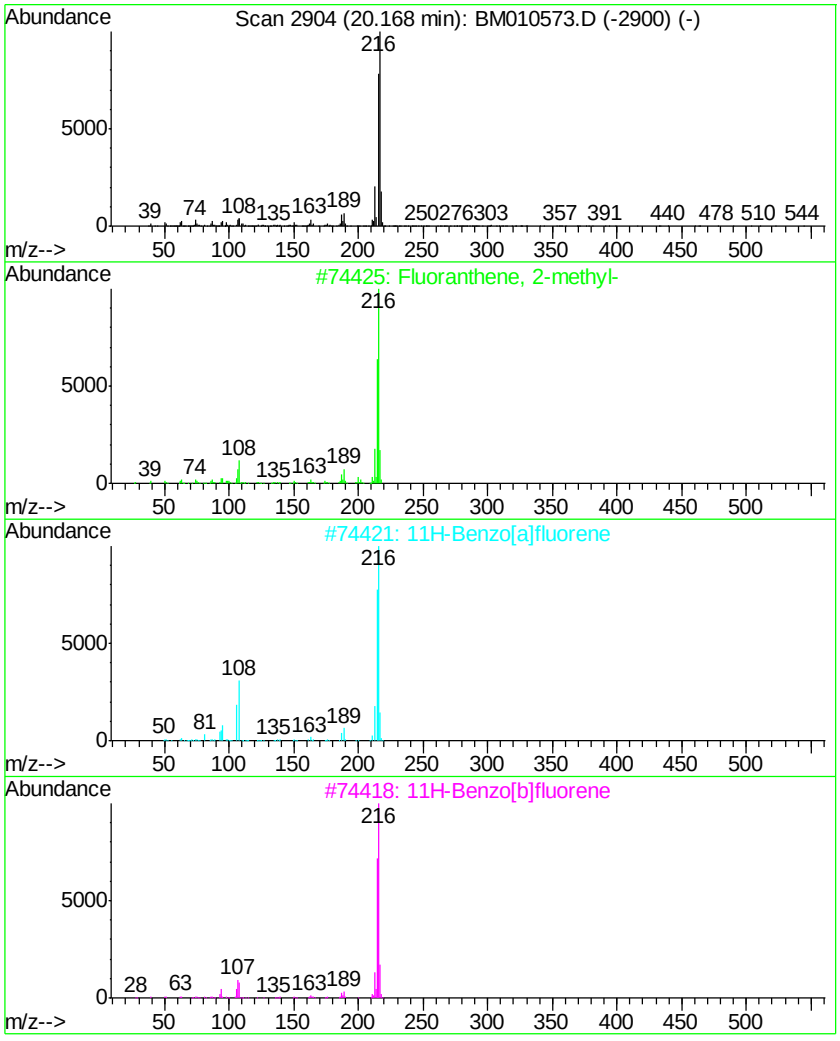
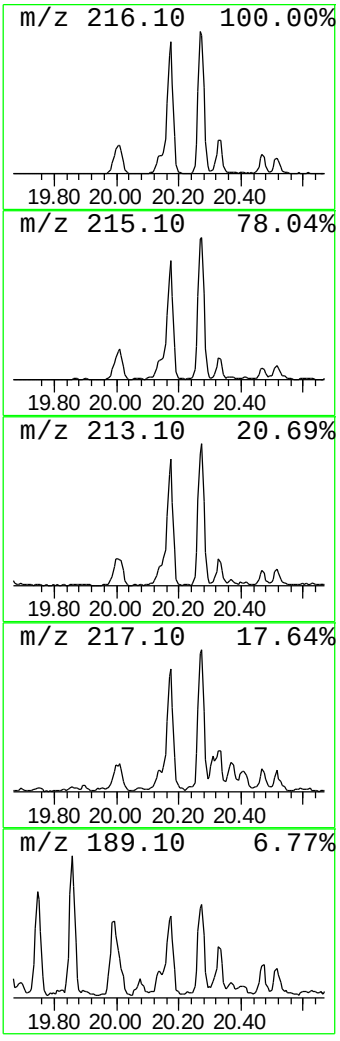
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	6.72 ng/ul	3053860	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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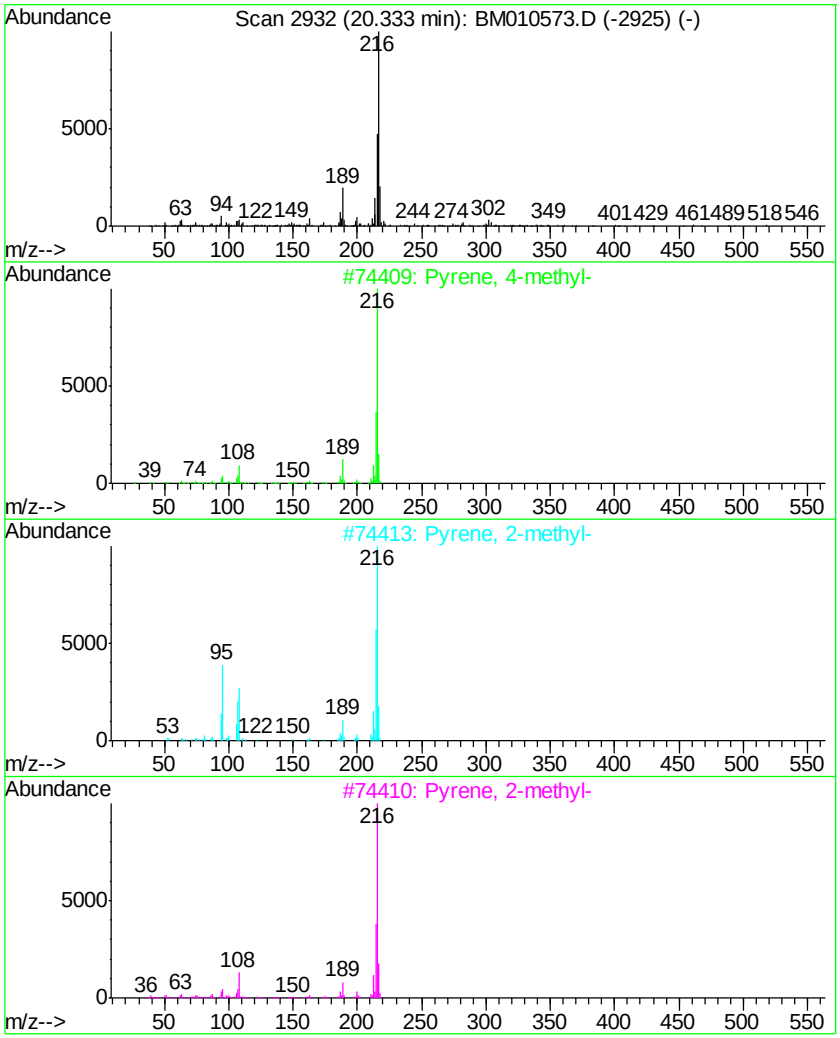
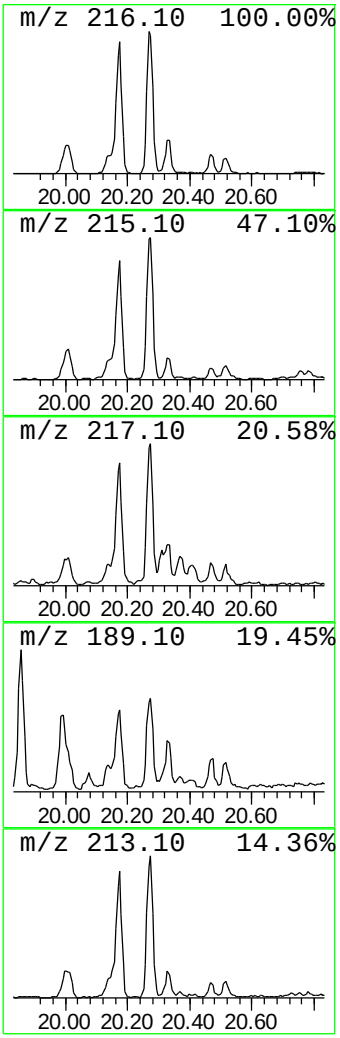
Peak Number 25 Pyrene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.39 ng/ul	1088260	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





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Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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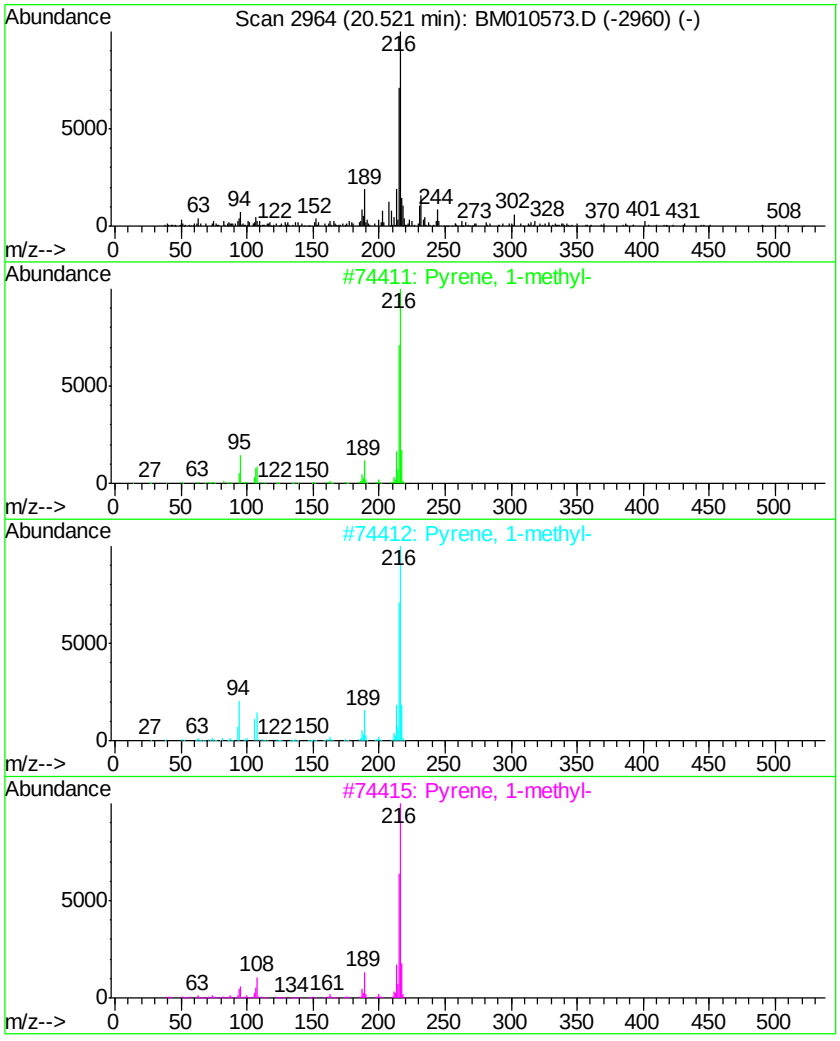
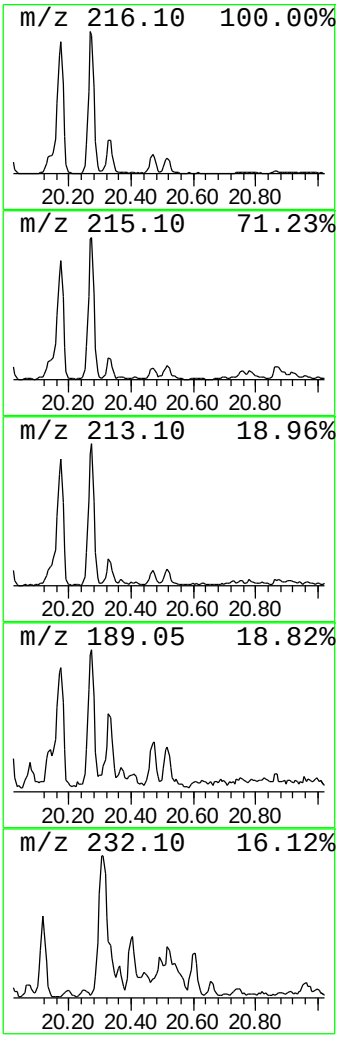
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.15 ng/ul	979731	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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

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

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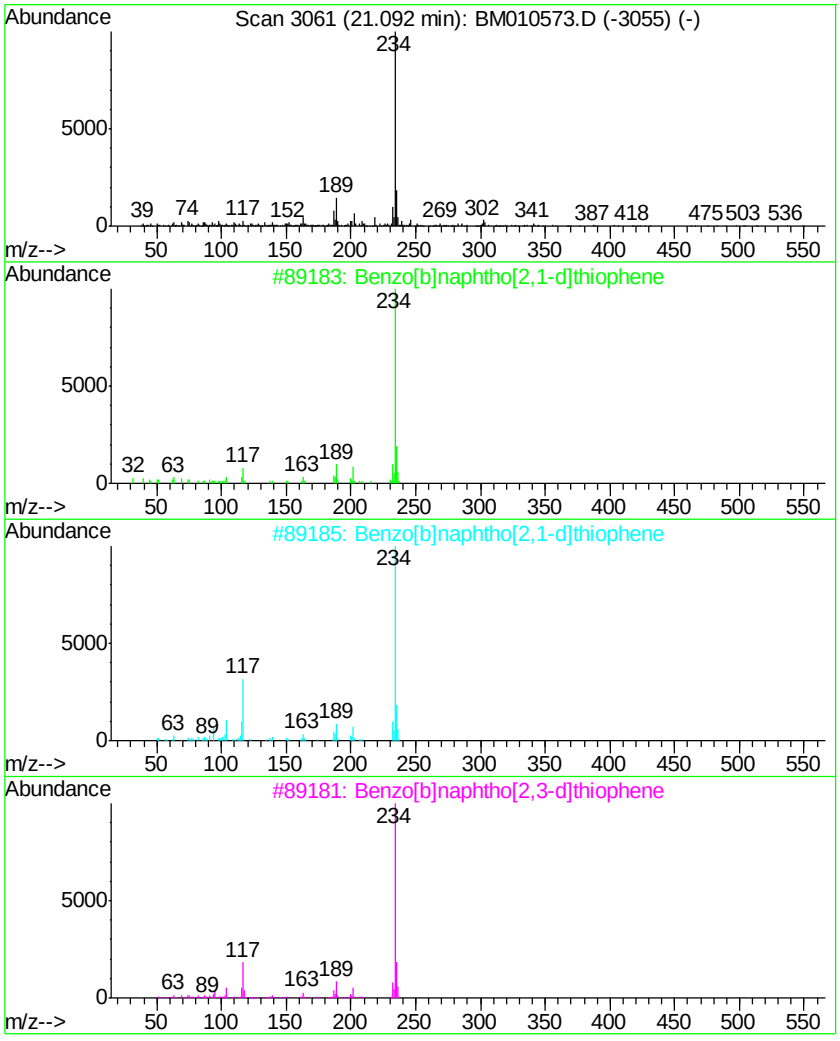
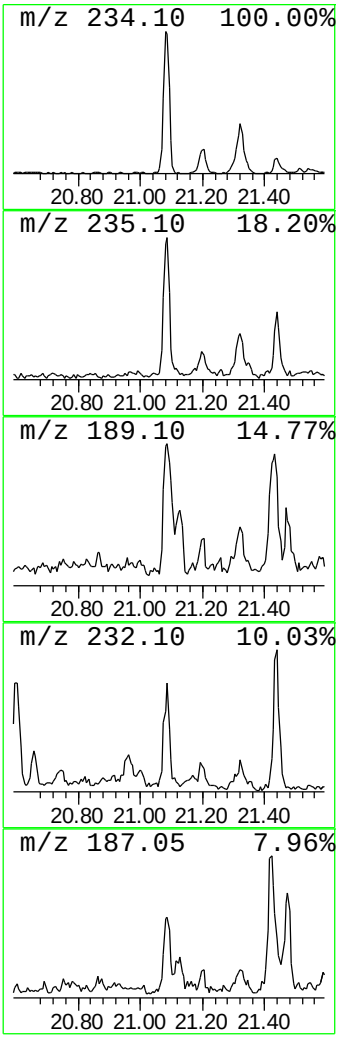
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.68 ng/ul	1220220	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93





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Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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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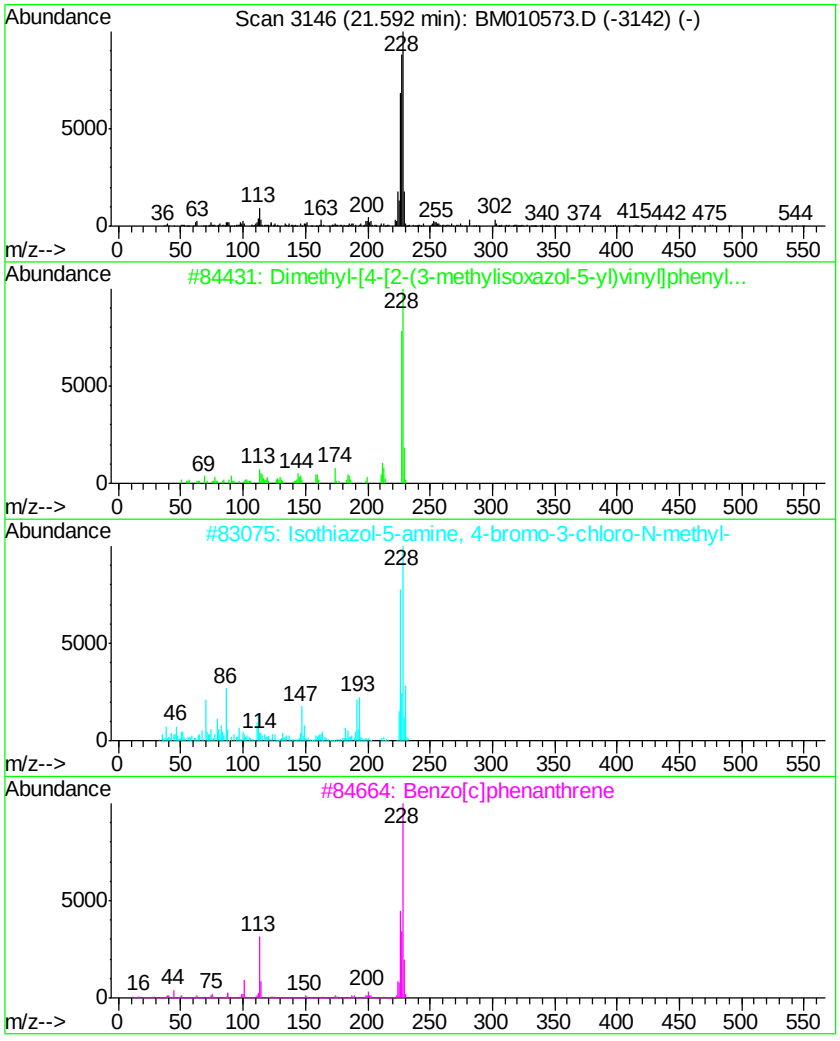
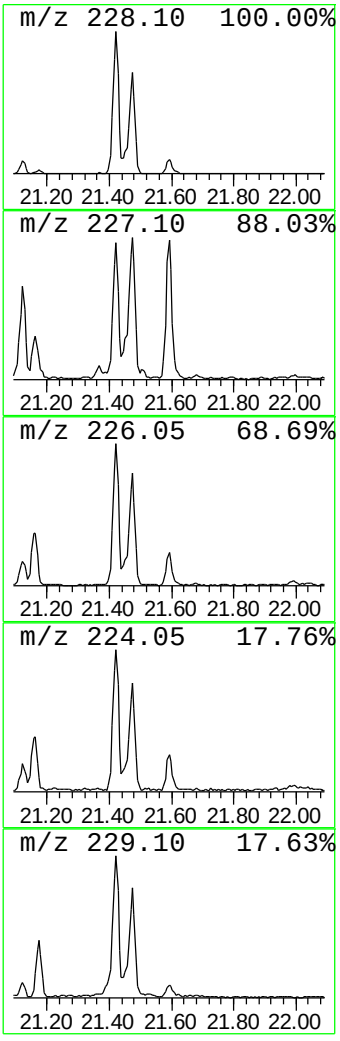
Peak Number 28 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.01 ng/ul	913194	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
5	Naphthacene	228	C18H12	000092-24-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010573.D
Acq On : 13 Jun 2017 22:57
Operator : SJ/MA
Sample : I3521-08 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56

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	117.8	ng/ul	6185700	2	10.68	1050660	20.0
Naphthalene, 1-et...	13.54	17.6	ng/ul	1256380	3	14.52	1430770	20.0
Naphthalene, 1,4-...	13.67	22.6	ng/ul	1619050	3	14.52	1430770	20.0
Naphthalene, 2,7-...	13.83	41.5	ng/ul	2970790	3	14.52	1430770	20.0
Naphthalene, 1,3-...	14.07	14.1	ng/ul	1005480	3	14.52	1430770	20.0
Fluorene, 1,4-dih...	15.72	16.4	ng/ul	1170360	3	14.52	1430770	20.0
[1,1'-Biphenyl]-4...	15.85	26.5	ng/ul	1895380	3	14.52	1430770	20.0
2,4,6-Cycloheptat...	16.00	25.9	ng/ul	2703360	4	17.27	2089970	20.0
9H-Fluorene, 2-me...	16.56	18.3	ng/ul	1913020	4	17.27	2089970	20.0
1,1'-Biphenyl, 3-...	16.79	7.0	ng/ul	737017	4	17.27	2089970	20.0
8-Dimethylaminona...	16.98	8.4	ng/ul	875222	4	17.27	2089970	20.0
Dibenzothiophene	17.09	26.3	ng/ul	2743920	4	17.27	2089970	20.0
Anthracene, 9-eth...	17.78	7.5	ng/ul	788245	4	17.27	2089970	20.0
4H-Cyclopenta[def...	18.34	53.9	ng/ul	5630450	4	17.27	2089970	20.0
5,16[1',2']:8,13[...	18.63	17.3	ng/ul	1808810	4	17.27	2089970	20.0
Phenanthrene, 2,5...	19.04	8.6	ng/ul	897756	4	17.27	2089970	20.0
1,8-Anthracenedia...	19.57	2.0	ng/ul	924615	5	21.44	9094570	20.0
7-Isopropenyl-1,4...	19.99	3.3	ng/ul	1508450	5	21.44	9094570	20.0
Fluoranthene, 2-m...	20.17	6.7	ng/ul	3053860	5	21.44	9094570	20.0
Pyrene, 4-methyl-	20.33	2.4	ng/ul	1088260	5	21.44	9094570	20.0
Pyrene, 1-methyl-	20.52	2.1	ng/ul	979731	5	21.44	9094570	20.0
Benzo[b]naphtho[2...	21.09	2.7	ng/ul	1220220	5	21.44	9094570	20.0
Dimethyl-[4-[2-(3...	21.59	2.0	ng/ul	913194	5	21.44	9094570	20.0