

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070615\  
 Data File : BM001854.D  
 Acq On : 07 Jul 2015 03:08  
 Operator : TP/UM  
 Sample : G2861-01 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G93K7

Quant Time: Jul 07 07:10:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 07 04:02:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 53272    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 210769   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 130768   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 310913   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 362002   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.47 | 264  | 370231   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 6.83  | 99  | 5563  | 1.36 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 3442  | 1.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 4876  | 1.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 3421  | 1.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 2310  | 1.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 2557  | 1.60 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 4715  | 1.38 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 2951  | 0.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 14577 | 1.50 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 17700 | 1.39 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 799   | 0.45 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 13930 | 1.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 906   | 0.48 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 21501 | 1.48 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 22334 | 1.46 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.33 | 264 | 19105 | 1.17 | ng/ul | 0.00 |

## Target Compounds

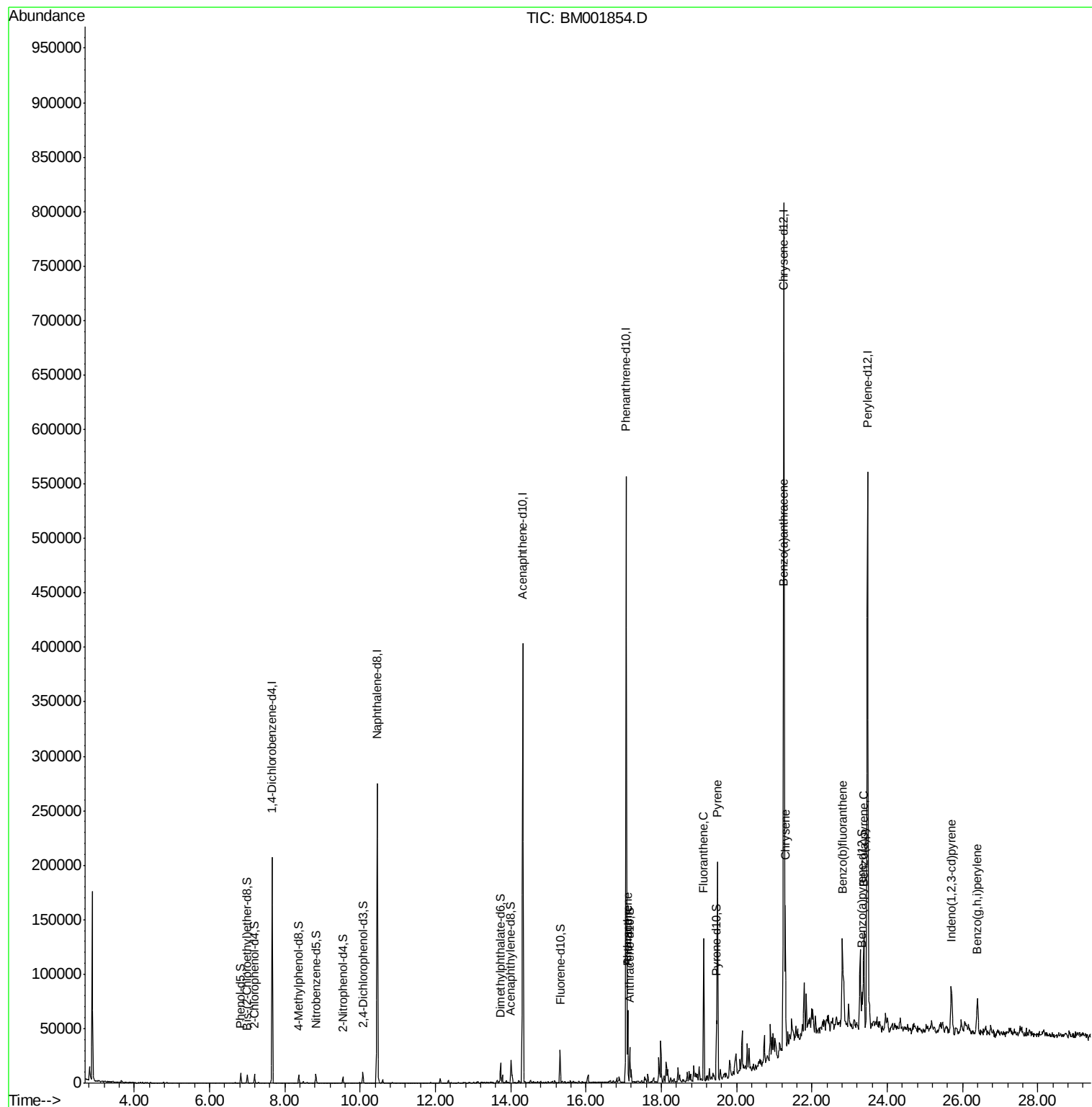
|                            |       |     |        |      |        | Qvalue |
|----------------------------|-------|-----|--------|------|--------|--------|
| 69) Phenanthrene           | 17.10 | 178 | 40219  | 2.39 | ng/ul  | 95     |
| 71) Anthracene             | 17.10 | 178 | 40219  | 2.32 | ng/ul  | 96     |
| 76) Fluoranthene           | 19.12 | 202 | 79485  | 3.94 | ng/ul  | 98     |
| 79) Pyrene                 | 19.49 | 202 | 124859 | 6.22 | ng/ul  | 98     |
| 82) Benzo(a)anthracene     | 21.23 | 228 | 64447  | 3.05 | ng/ul  | 95     |
| 84) Chrysene               | 21.29 | 228 | 71753  | 3.58 | ng/ul  | 98     |
| 87) Benzo(b)fluoranthene   | 22.80 | 252 | 91992  | 4.27 | ng/ul# | 97     |
| 90) Benzo(a)pyrene         | 23.37 | 252 | 58166  | 2.77 | ng/ul  | 94     |
| 91) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 39778  | 1.60 | ng/ul# | 93     |
| 93) Benzo(g,h,i)perylene   | 26.39 | 276 | 41460  | 1.98 | ng/ul# | 96     |

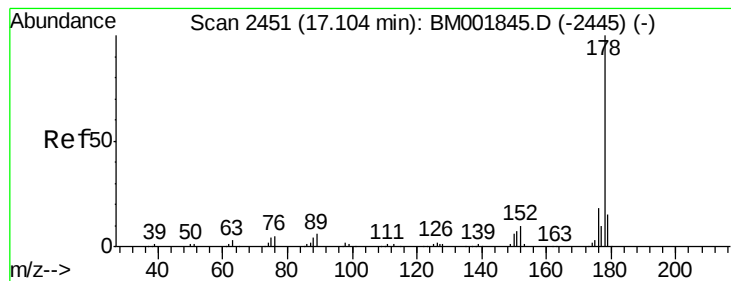
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070615\  
Data File : BM001854.D  
Acq On : 07 Jul 2015 03:08  
Operator : TP/UM  
Sample : G2861-01 10X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
G93K7

Quant Time: Jul 07 07:10:59 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 07 04:02:33 2015  
Response via : Initial Calibration





#69

Phenanthrene

Concen: 2.39 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001854.D

Acq: 07 Jul 2015 03:08

Instrument :

BNA\_M

ClientSampleId :

G93K7

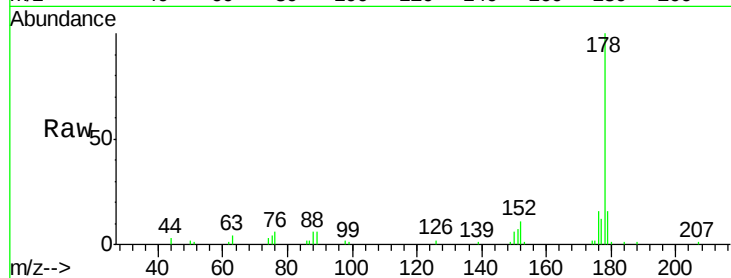
Tgt Ion:178 Resp: 40219

Ion Ratio Lower Upper

178 100

179 16.3 11.9 17.9

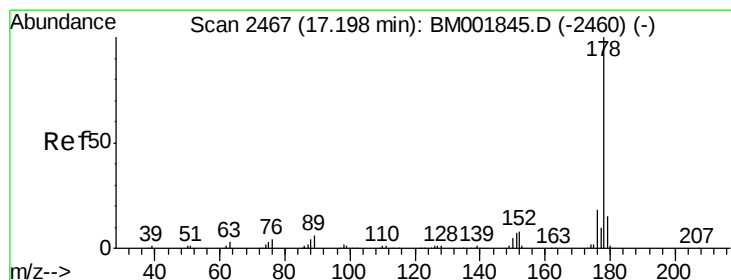
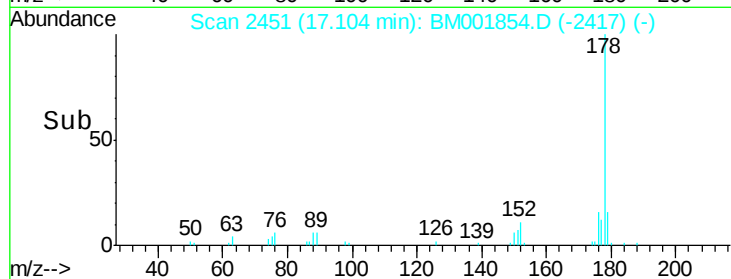
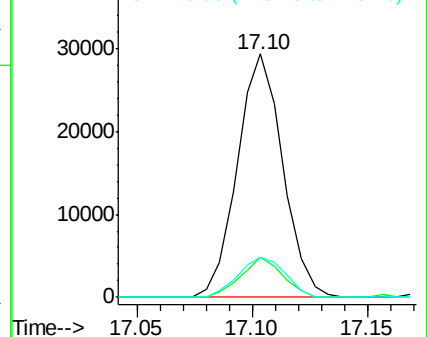
176 16.5 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 2.32 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. -0.09 min

Lab File: BM001854.D

Acq: 07 Jul 2015 03:08

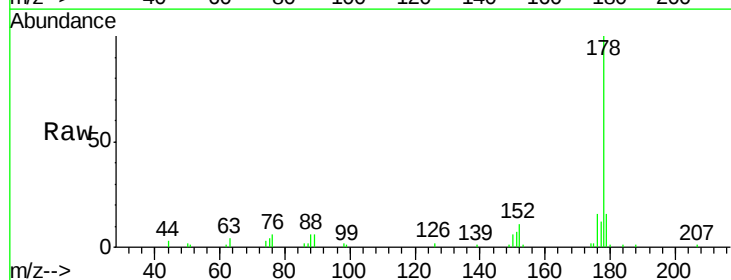
Tgt Ion:178 Resp: 40219

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

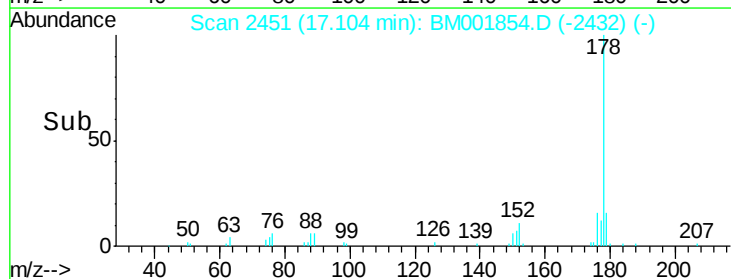
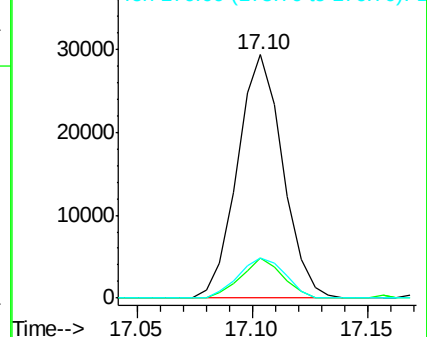
176 16.5 14.4 21.6

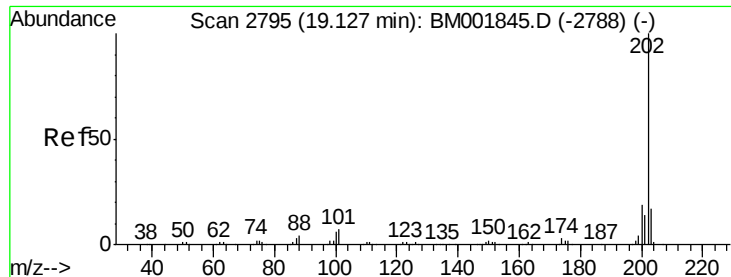


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

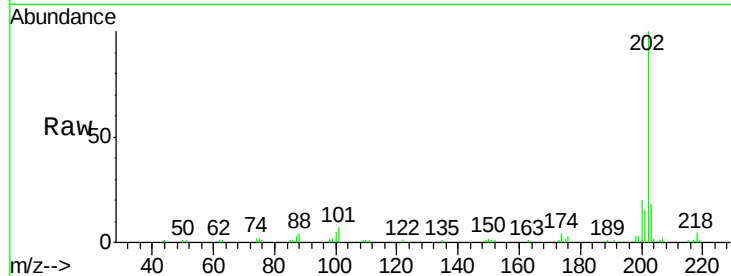




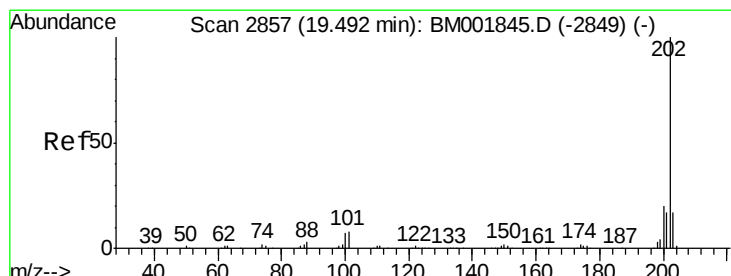
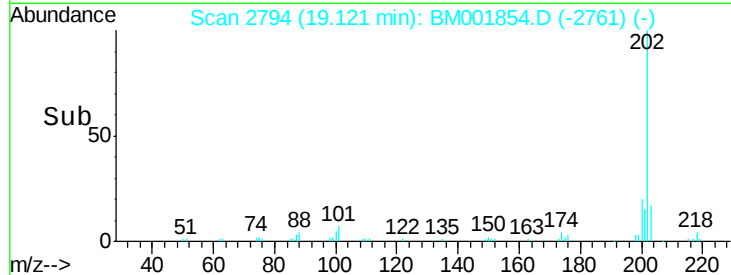
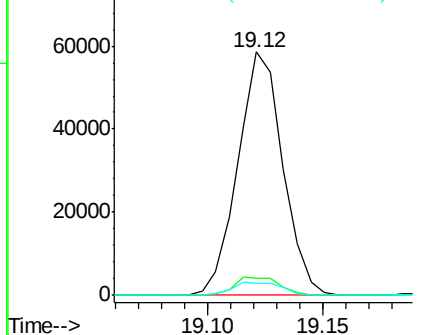
#76  
Fluoranthene  
Concen: 3.94 ng/ul  
RT: 19.12 min Scan# 2794  
Delta R.T. -0.01 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

Instrument :  
BNA\_M  
ClientSampleId :  
G93K7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.2   | 6.1   | 9.1   |
| 100     | 5.0   | 4.8   | 7.2   |

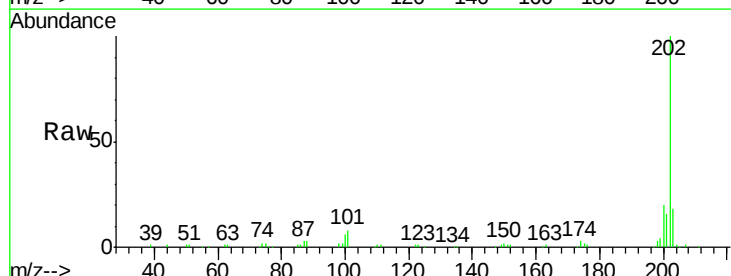


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

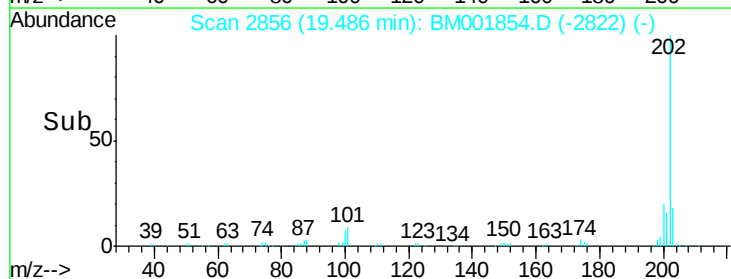
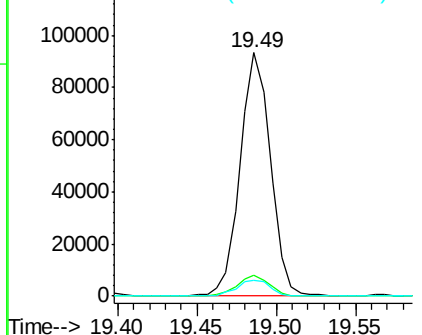


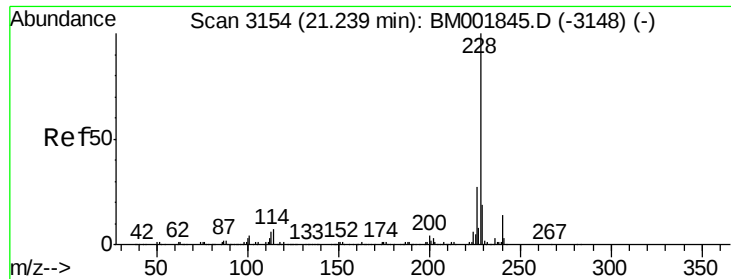
#79  
Pyrene  
Concen: 6.22 ng/ul  
RT: 19.49 min Scan# 2856  
Delta R.T. 0.00 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.4   | 6.9   | 10.3  |
| 100     | 6.4   | 6.2   | 9.2   |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

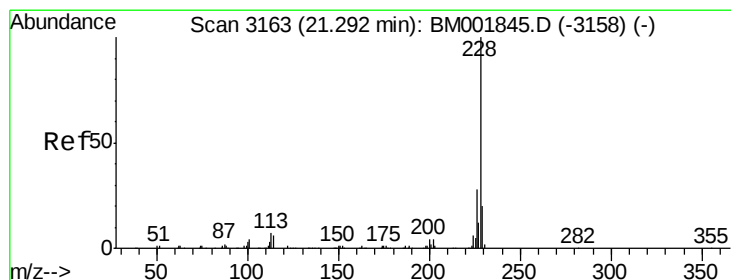
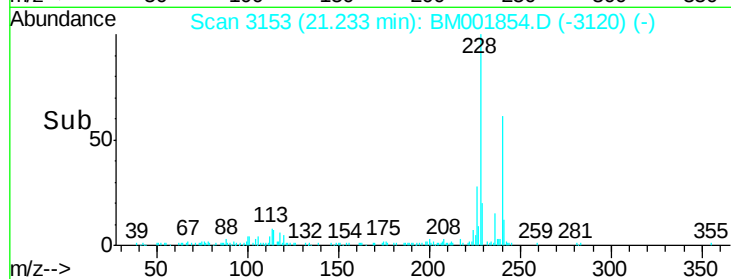
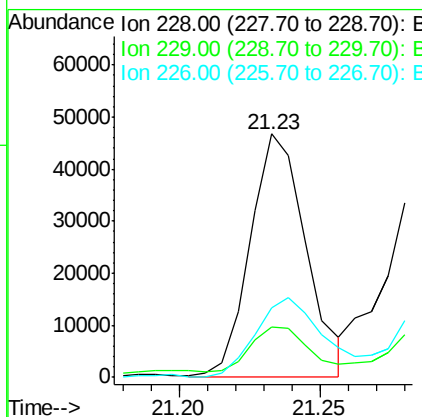
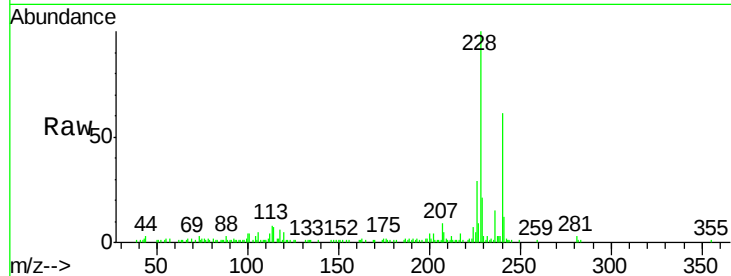




#82  
Benzo(a)anthracene  
Concen: 3.05 ng/ul  
RT: 21.23 min Scan# 3153  
Delta R.T. -0.01 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

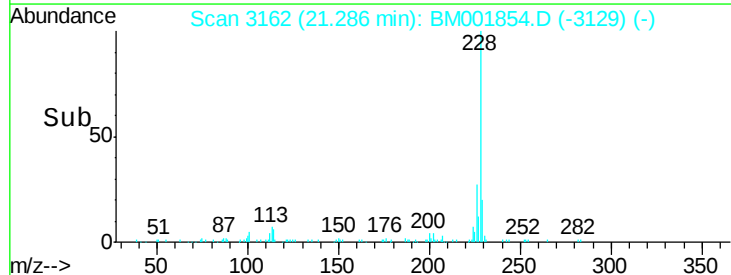
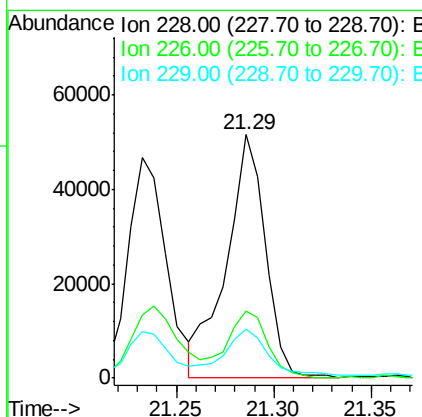
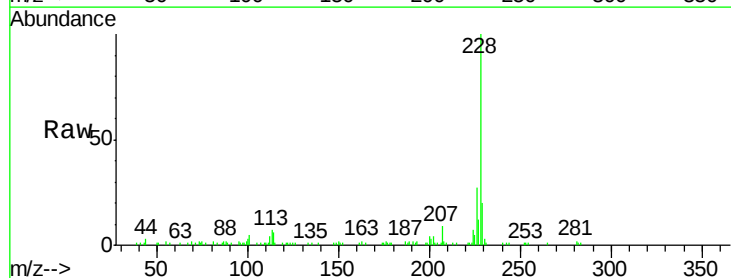
Instrument :  
BNA\_M  
ClientSampleId :  
G93K7

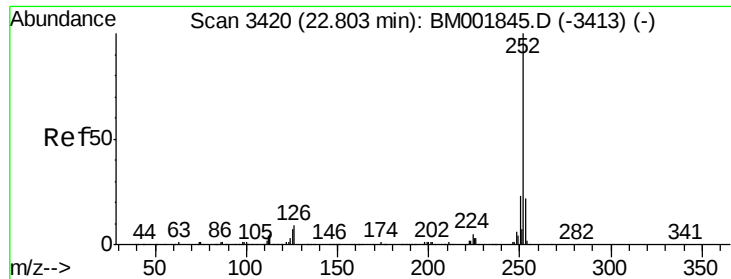
Tgt Ion:228 Resp: 64447  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.4 23.0  
226 28.5 20.6 30.8



#84  
Chrysene  
Concen: 3.58 ng/ul  
RT: 21.29 min Scan# 3162  
Delta R.T. -0.01 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

Tgt Ion:228 Resp: 71753  
Ion Ratio Lower Upper  
228 100  
226 27.3 23.0 34.4  
229 20.4 15.4 23.2

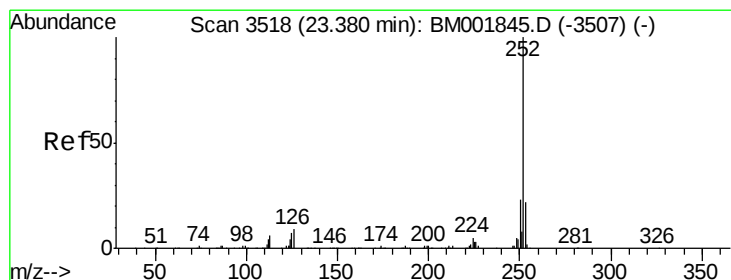
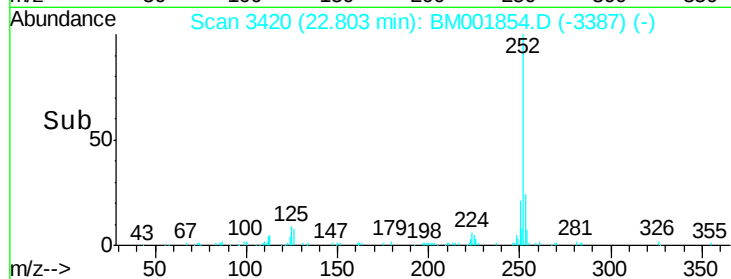
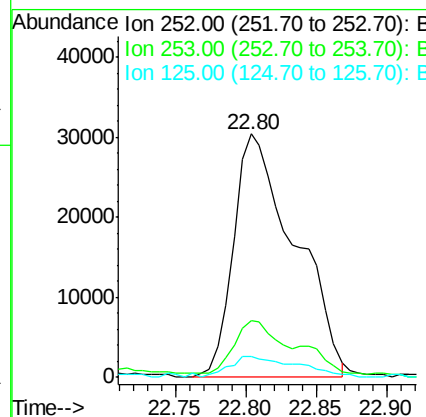
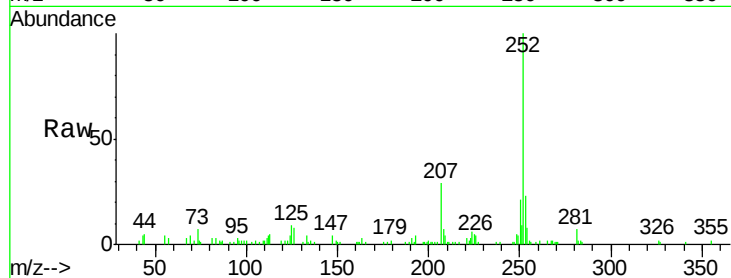




#87  
Benzo(b)fluoranthene  
Concen: 4.27 ng/ul  
RT: 22.80 min Scan# 3420  
Delta R.T. -0.01 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

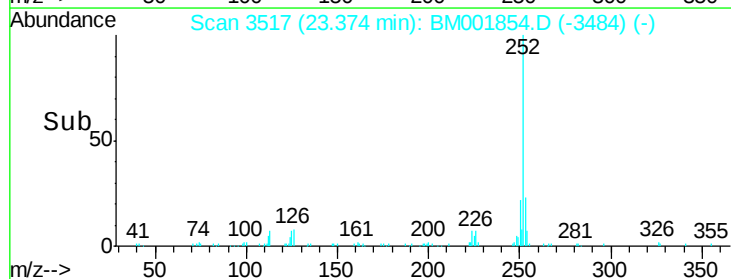
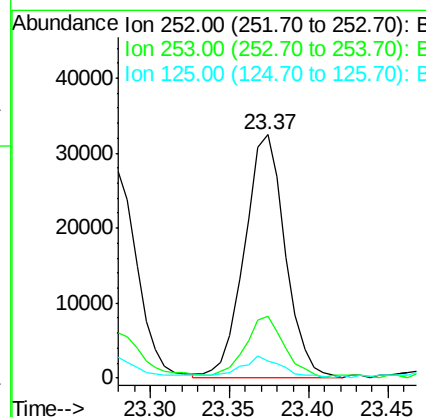
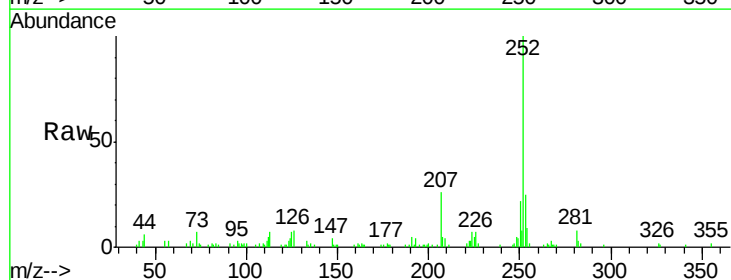
Instrument :  
BNA\_M  
ClientSampleId :  
G93K7

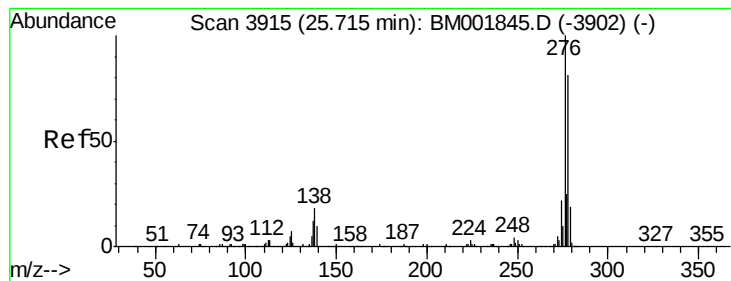
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.8  | 26.6  |
| 125     | 8.7   | 5.3   | 7.9   |



#90  
Benzo(a)pyrene  
Concen: 2.77 ng/ul  
RT: 23.37 min Scan# 3517  
Delta R.T. -0.01 min  
Lab File: BM001854.D  
Acq: 07 Jul 2015 03:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 17.4  | 26.0  |
| 125     | 7.2   | 6.0   | 9.0   |





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.60 ng/ul

RT: 25.70 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM001854.D

Acq: 07 Jul 2015 03:08

Instrument :

BNA\_M

ClientSampleId :

G93K7

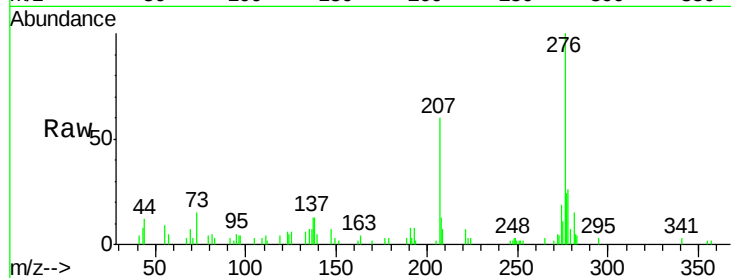
Tgt Ion:276 Resp: 39778

Ion Ratio Lower Upper

276 100

138 12.5 14.7 22.1#

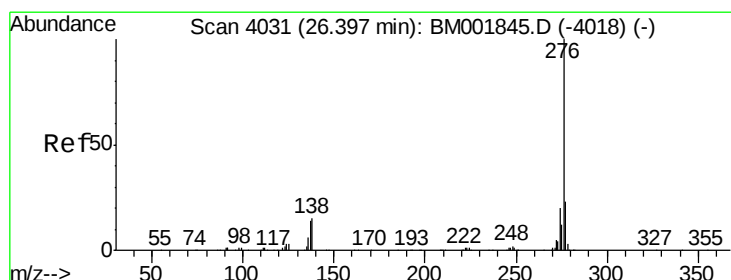
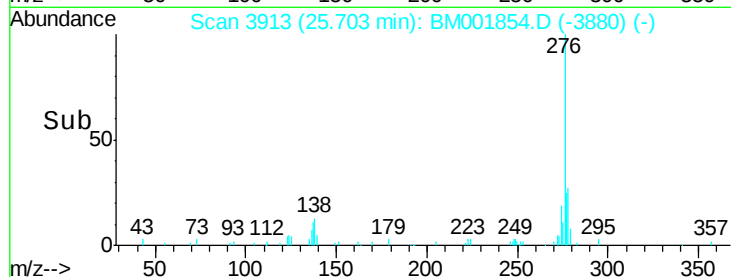
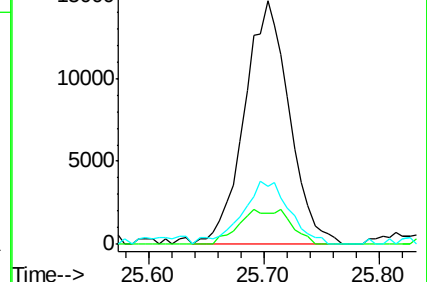
277 23.8 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene

Concen: 1.98 ng/ul

RT: 26.39 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM001854.D

Acq: 07 Jul 2015 03:08

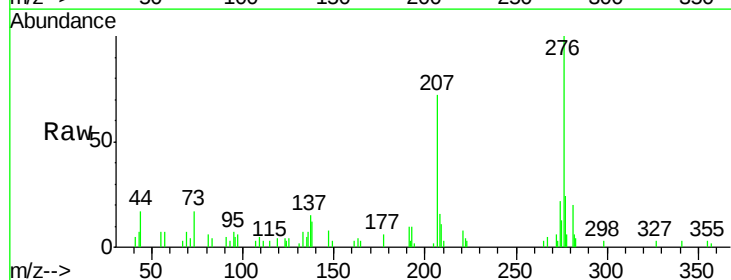
Tgt Ion:276 Resp: 41460

Ion Ratio Lower Upper

276 100

138 11.7 12.6 19.0#

277 23.8 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

