

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM110916\  
 Data File : BM007803.D  
 Acq On : 09 Nov 2016 18:43  
 Operator : UM/SJ  
 Sample : H5554-16  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5N88

Quant Time: Nov 09 23:36:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 09 23:34:58 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 183738   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 708953   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.37 | 164  | 455004   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.12 | 188  | 913642   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.31 | 240  | 1177650  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.56 | 264  | 1206952  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 20827   | 4.86  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 396402  | 27.95 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 245560  | 29.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 318995  | 29.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 228125  | 20.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 161225  | 31.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 176737  | 32.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 307446  | 28.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 320455  | 26.42 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 1054845 | 34.05 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 1224037 | 32.83 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 131627  | 26.87 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.37 | 176 | 907543  | 33.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 138751  | 25.56 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.22 | 188 | 1397546 | 33.94 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.52 | 212 | 1788816 | 36.97 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.42 | 264 | 1940936 | 36.83 | ng/ul | 0.00 |

## Target Compounds

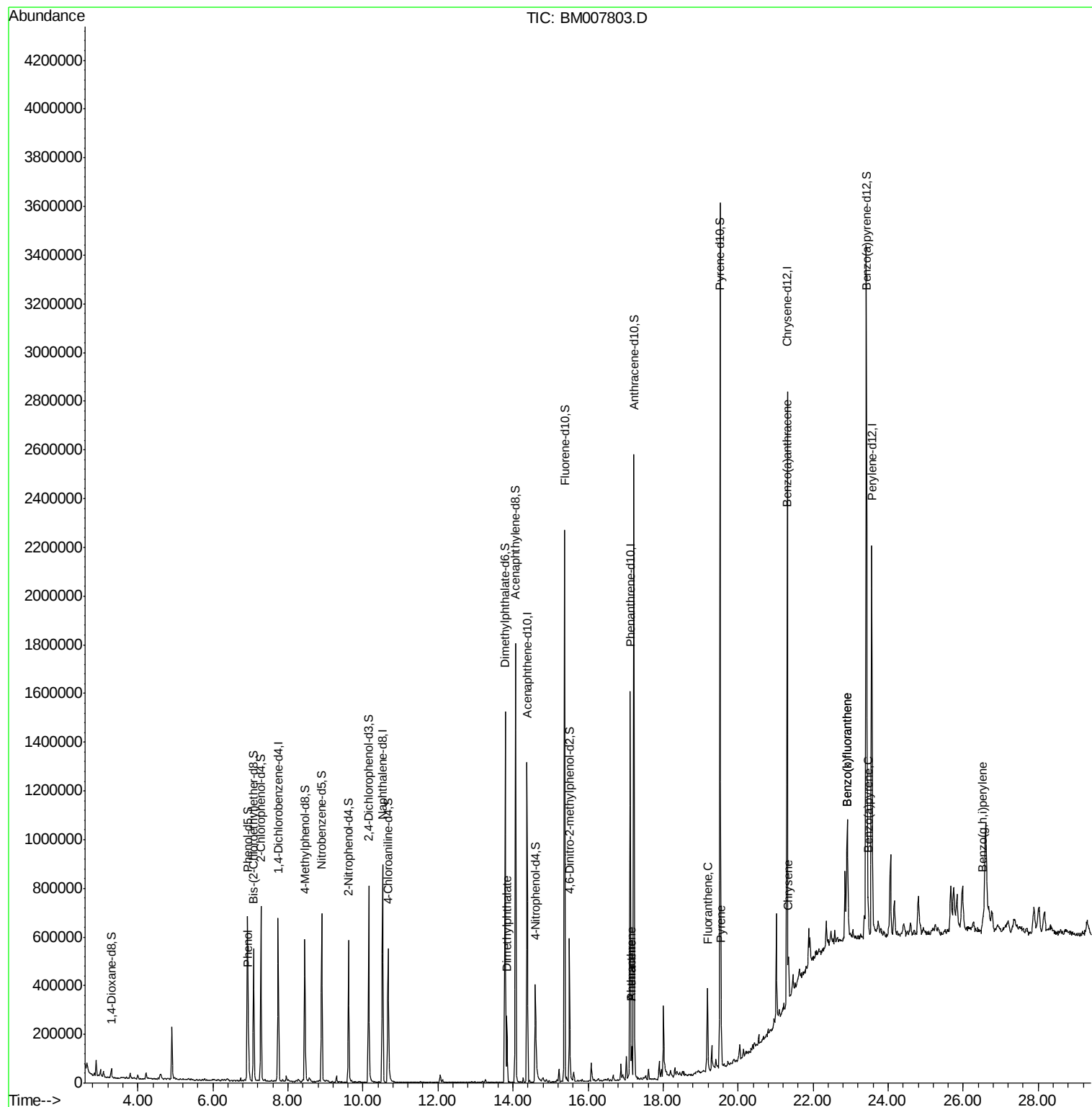
|                          |       |     |        |      |        | Qvalue |
|--------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol                | 6.95  | 94  | 104083 | 7.15 | ng/ul  | 97     |
| 44) Dimethylphthalate    | 13.84 | 163 | 172157 | 5.72 | ng/ul  | 100    |
| 69) Phenanthrene         | 17.17 | 178 | 77170  | 1.59 | ng/ul  | 98     |
| 71) Anthracene           | 17.17 | 178 | 77170  | 1.56 | ng/ul  | 99     |
| 74) Fluoranthene         | 19.19 | 202 | 200293 | 3.53 | ng/ul  | 99     |
| 77) Pyrene               | 19.55 | 202 | 170742 | 2.81 | ng/ul  | 100    |
| 80) Benzo(a)anthracene   | 21.30 | 228 | 87139  | 1.38 | ng/ul  | 98     |
| 82) Chrysene             | 21.34 | 228 | 101056 | 1.67 | ng/ul  | 96     |
| 85) Benzo(b)fluoranthene | 22.89 | 252 | 163925 | 2.38 | ng/ul# | 92     |
| 86) Benzo(k)fluoranthene | 22.89 | 252 | 163925 | 2.58 | ng/ul# | 93     |
| 88) Benzo(a)pyrene       | 23.46 | 252 | 103208 | 1.59 | ng/ul  | 96     |
| 91) Benzo(g,h,i)perylene | 26.53 | 276 | 74411  | 1.14 | ng/ul  | 98     |

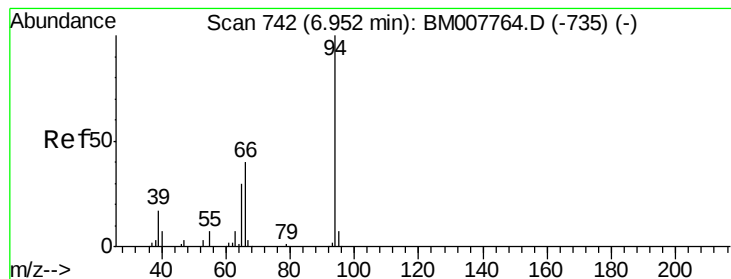
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 09 23:34:58 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 7.15 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Instrument :

BNA\_M

ClientSampleId :

E5N88

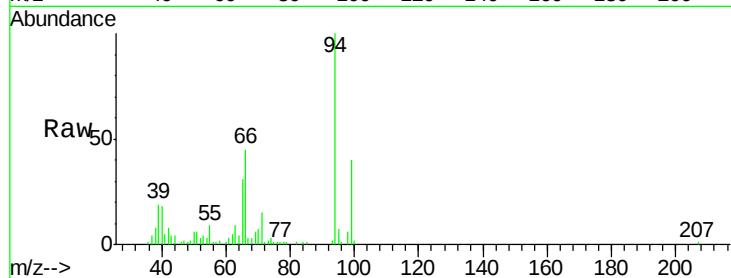
Tgt Ion: 94 Resp: 104083

Ion Ratio Lower Upper

94 100

65 30.6 23.9 35.9

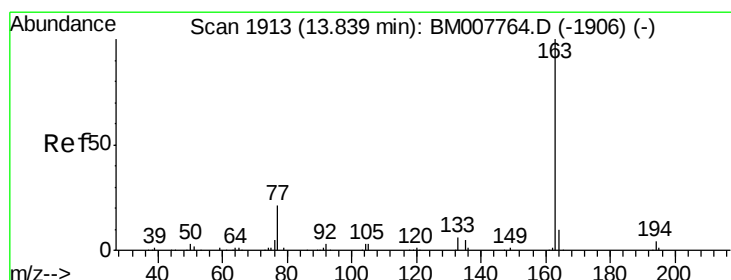
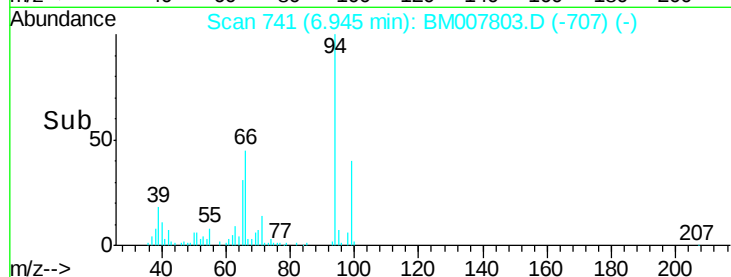
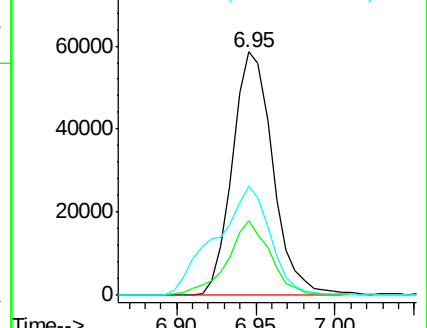
66 45.0 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007764.D (-735) (-)

Ion 65.00 (64.70 to 65.70): BM007764.D (-735) (-)

Ion 66.00 (65.70 to 66.70): BM007764.D (-735) (-)



#44

Dimethylphthalate

Concen: 5.72 ng/ul

RT: 13.84 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

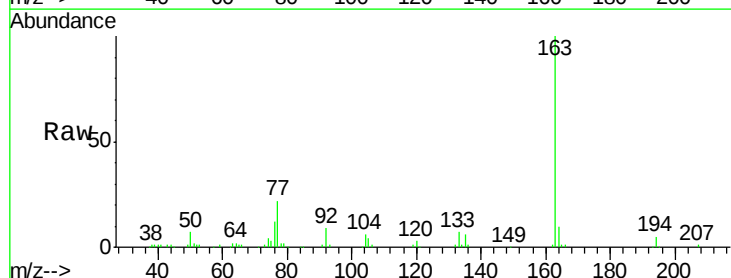
Tgt Ion: 163 Resp: 172157

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

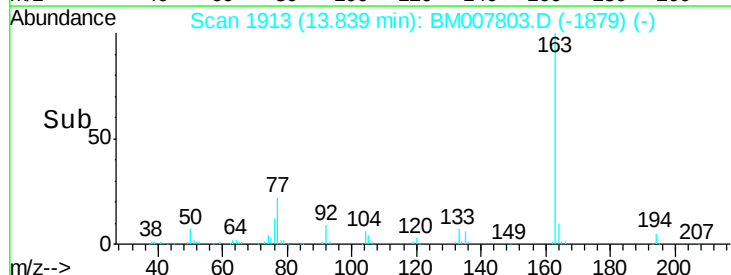
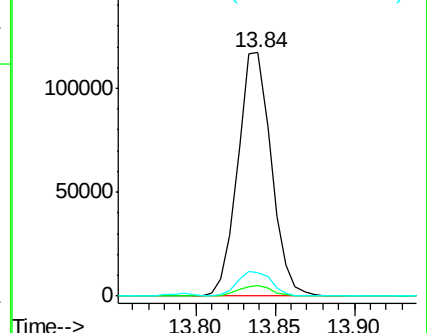
164 9.7 7.8 11.8

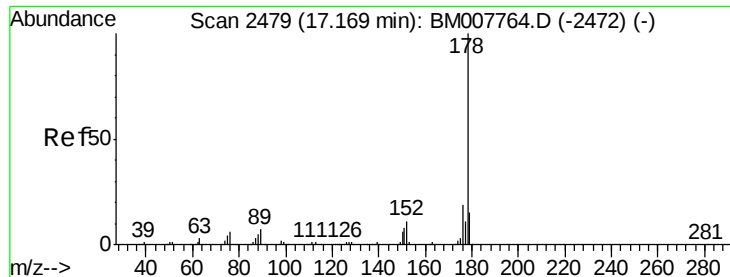


Abundance Ion 163.00 (162.70 to 163.70): BM007764.D (-1906) (-)

Ion 194.00 (193.70 to 194.70): BM007764.D (-1906) (-)

Ion 164.00 (163.70 to 164.70): BM007764.D (-1906) (-)





#69

Phenanthrene

Concen: 1.59 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Instrument :

BNA\_M

ClientSampleId :

E5N88

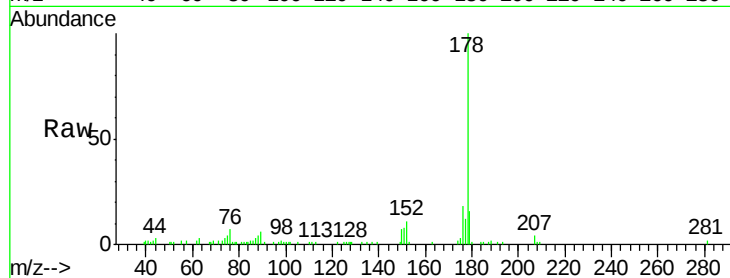
Tgt Ion:178 Resp: 77170

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

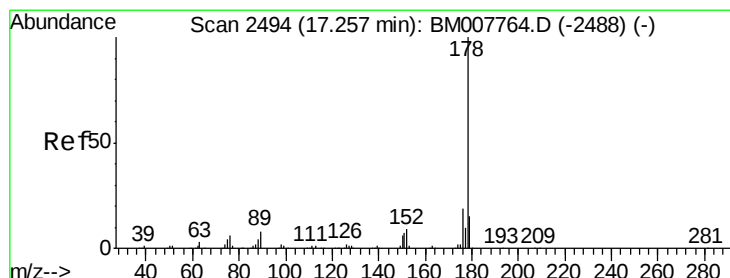
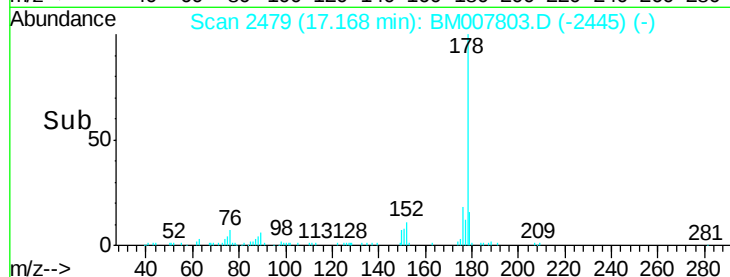
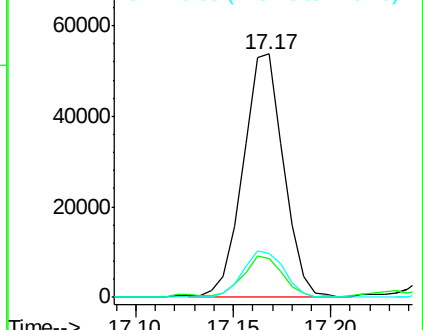
176 17.8 15.1 22.7



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: 1.56 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.09 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

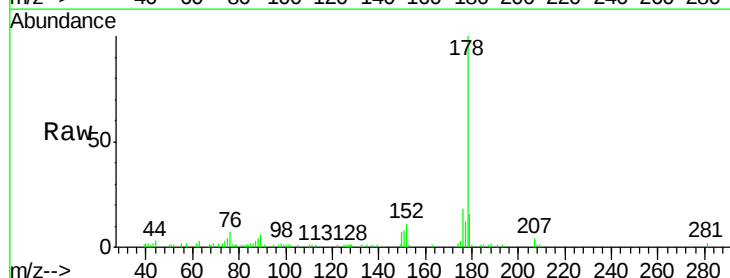
Tgt Ion:178 Resp: 77170

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

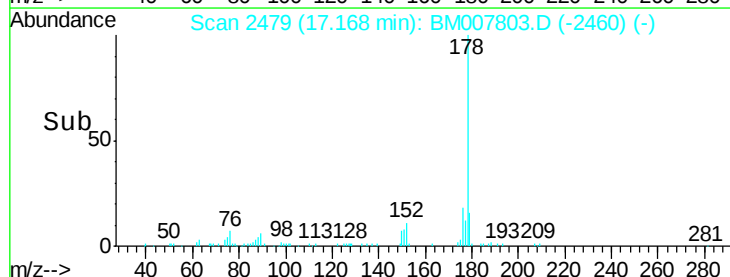
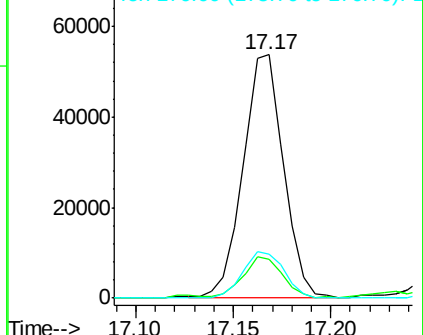
176 17.8 14.5 21.7

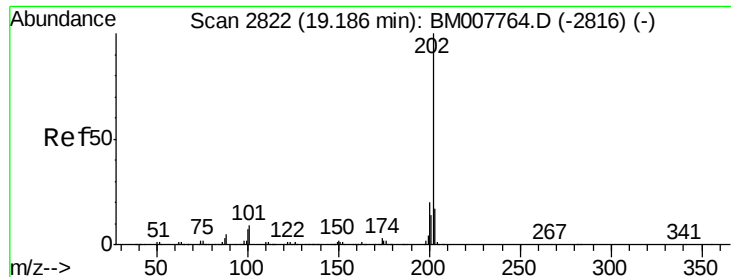


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 3.53 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

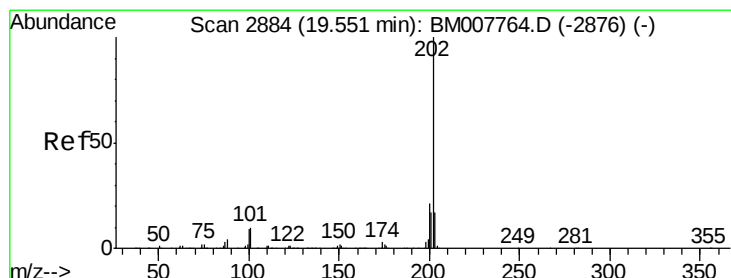
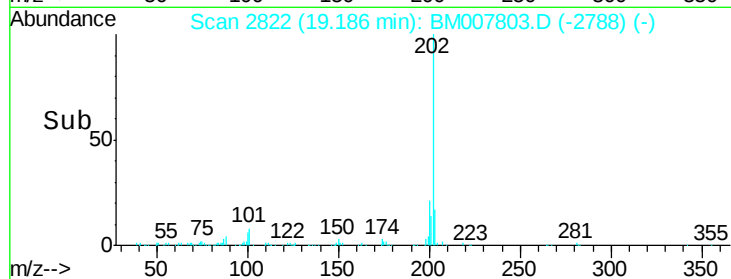
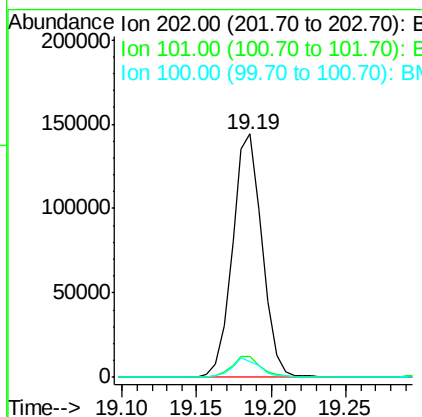
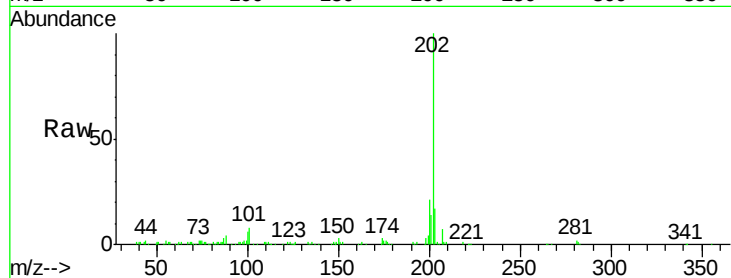
Instrument :

BNA\_M

ClientSampleId :

E5N88

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 200293 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 8.4   | 6.9   | 10.3   |
| 100       | 6.4   | 5.4   | 8.0    |



#77

Pyrene

Concen: 2.81 ng/ul

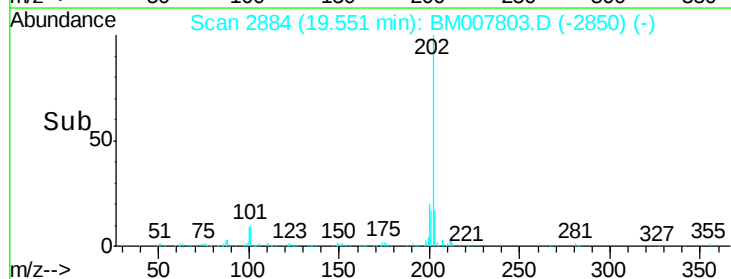
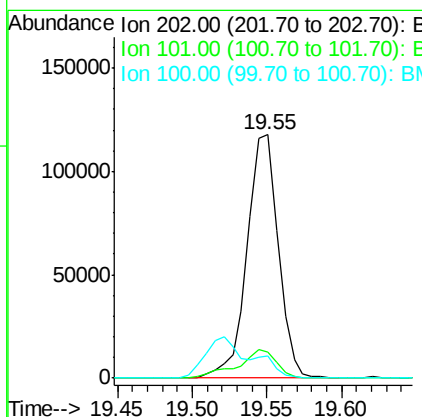
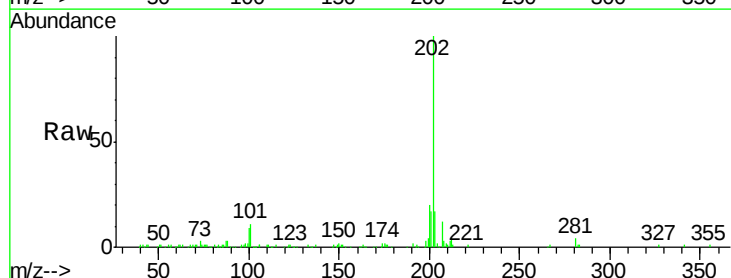
RT: 19.55 min Scan# 2884

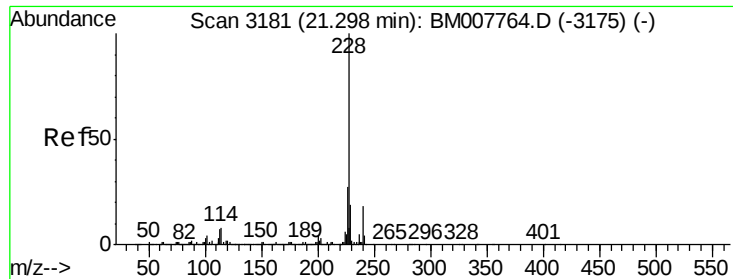
Delta R.T. 0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 170742 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 8.4   | 12.6   |
| 100       | 8.9   | 6.9   | 10.3   |





#80

Benzo(a)anthracene

Concen: 1.38 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Instrument :

BNA\_M

ClientSampleId :

E5N88

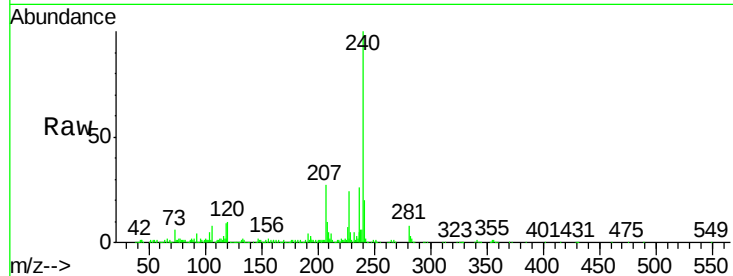
Tgt Ion:228 Resp: 87139

Ion Ratio Lower Upper

228 100

229 20.4 15.6 23.4

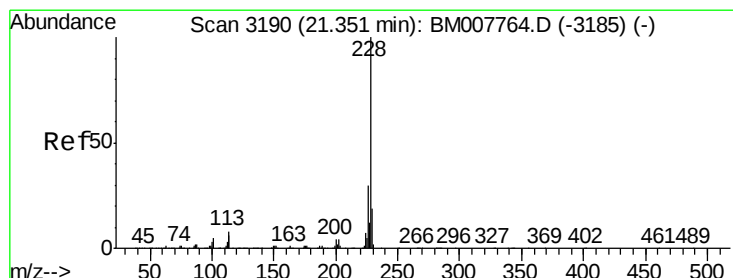
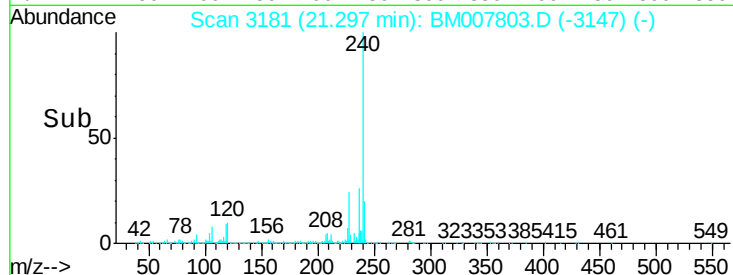
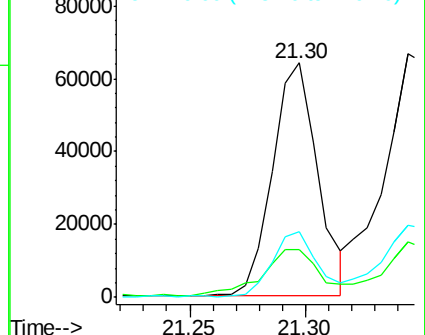
226 28.3 21.8 32.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 1.67 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

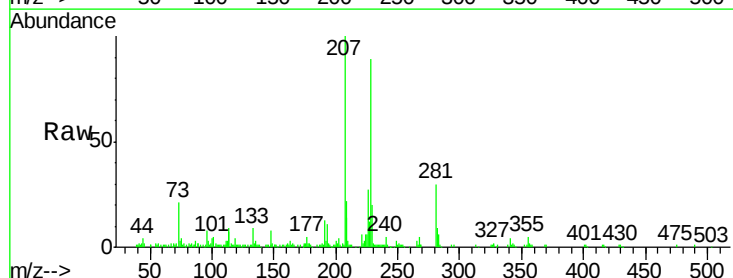
Tgt Ion:228 Resp: 101056

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

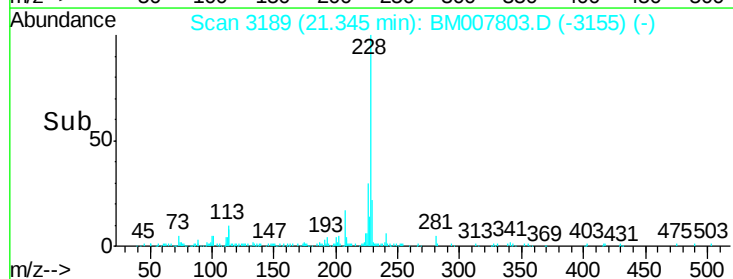
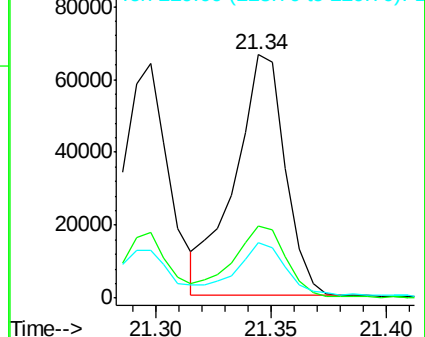
229 22.9 15.5 23.3

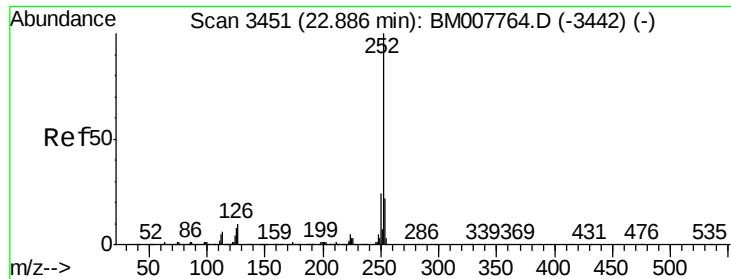


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.38 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Instrument :

BNA\_M

ClientSampleId :

E5N88

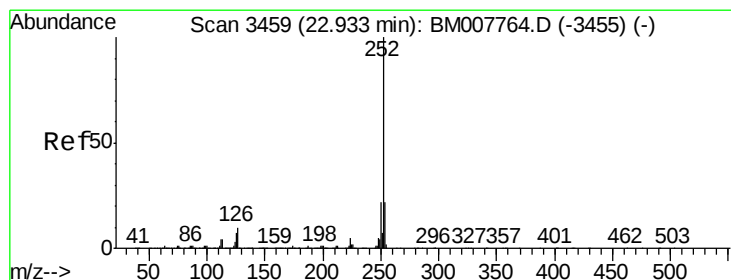
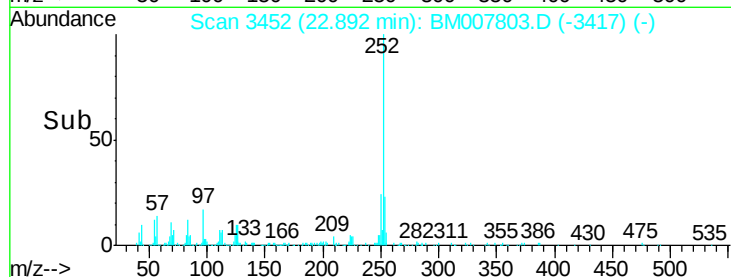
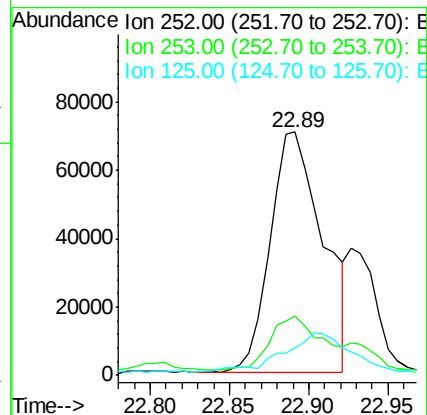
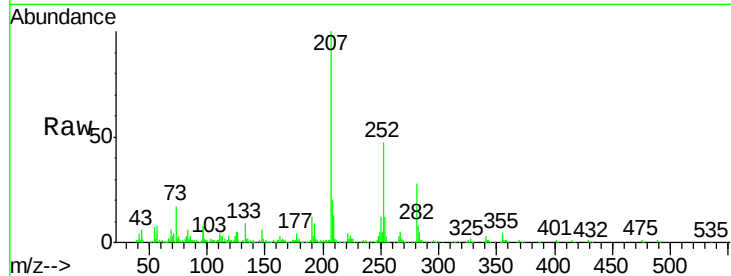
Tgt Ion:252 Resp: 163925

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 11.5 5.8 8.8#



#86

Benzo(k)fluoranthene

Concen: 2.58 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

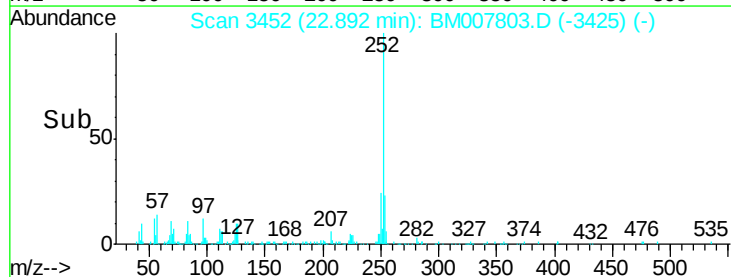
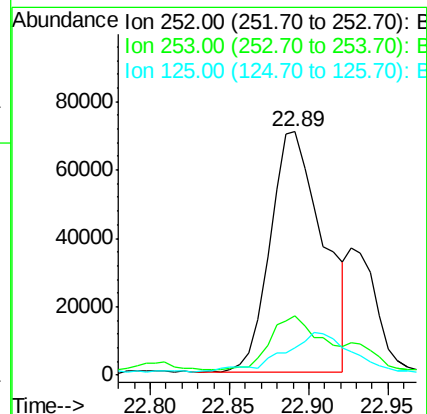
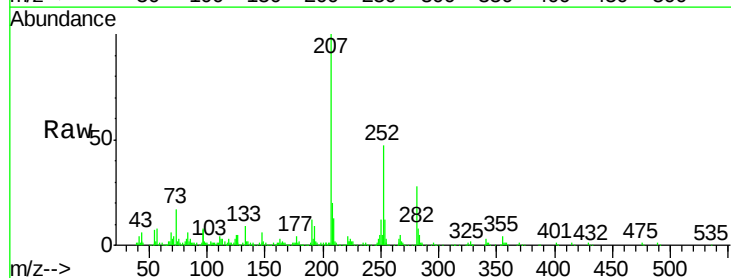
Tgt Ion:252 Resp: 163925

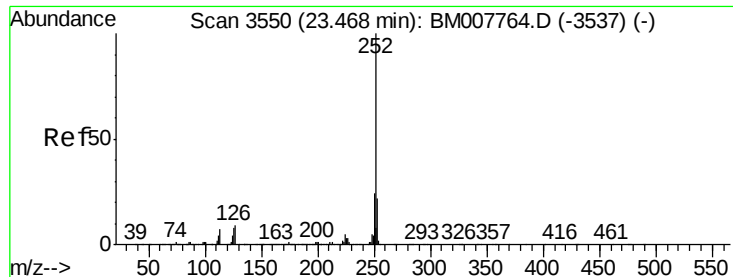
Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 11.5 5.7 8.5#





#88

Benzo(a)pyrene

Concen: 1.59 ng/ul

RT: 23.46 min Scan# 3549

Delta R.T. -0.00 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Instrument :

BNA\_M

ClientSampleId :

E5N88

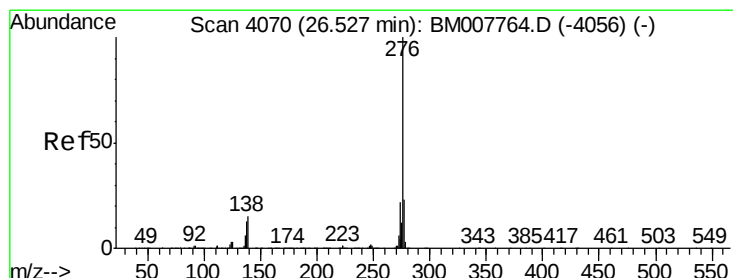
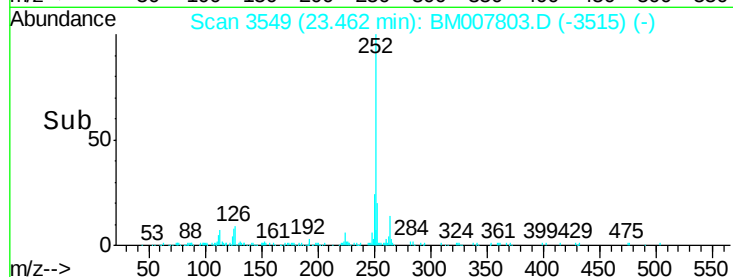
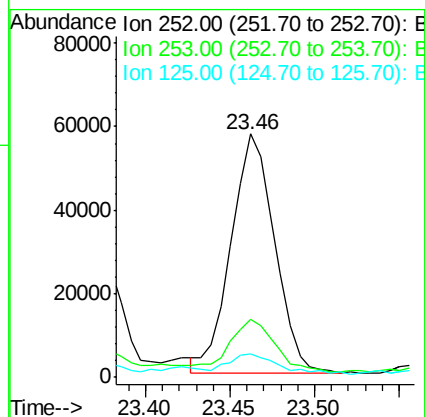
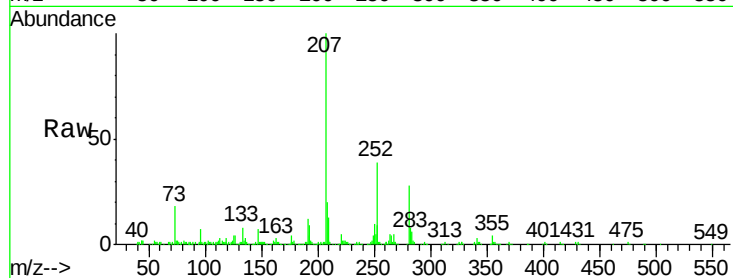
Tgt Ion:252 Resp: 103208

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 9.5 6.6 9.8



#91

Benzo(g,h,i)perylene

Concen: 1.14 ng/ul

RT: 26.53 min Scan# 4071

Delta R.T. 0.01 min

Lab File: BM007803.D

Acq: 09 Nov 2016 18:43

Tgt Ion:276 Resp: 74411

Ion Ratio Lower Upper

276 100

138 15.9 13.5 20.3

277 24.7 19.3 28.9

