

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022516\  
 Data File : BM004406.D  
 Acq On : 25 Feb 2016 19:08  
 Operator : SJ/UM  
 Sample : H1572-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0311-S57-0312

Quant Time: Feb 26 01:33:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 26 01:28:38 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 22788    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 107845   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.28 | 164  | 65225    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 136843   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 125255   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.47 | 264  | 117649   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 1947   | 4.50  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 45671  | 23.90 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 24815  | 25.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 41793  | 25.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 40691  | 23.83 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 21418  | 26.10 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 24364  | 26.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 42000  | 24.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 55947  | 26.55 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 148269 | 26.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 179537 | 27.41 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.53 | 143 | 14842  | 16.51 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.28 | 176 | 125785 | 26.44 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 14682  | 17.47 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 182906 | 27.28 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.44 | 212 | 187016 | 30.87 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.33 | 264 | 174961 | 28.34 | ng/ul | 0.00 |

## Target Compounds

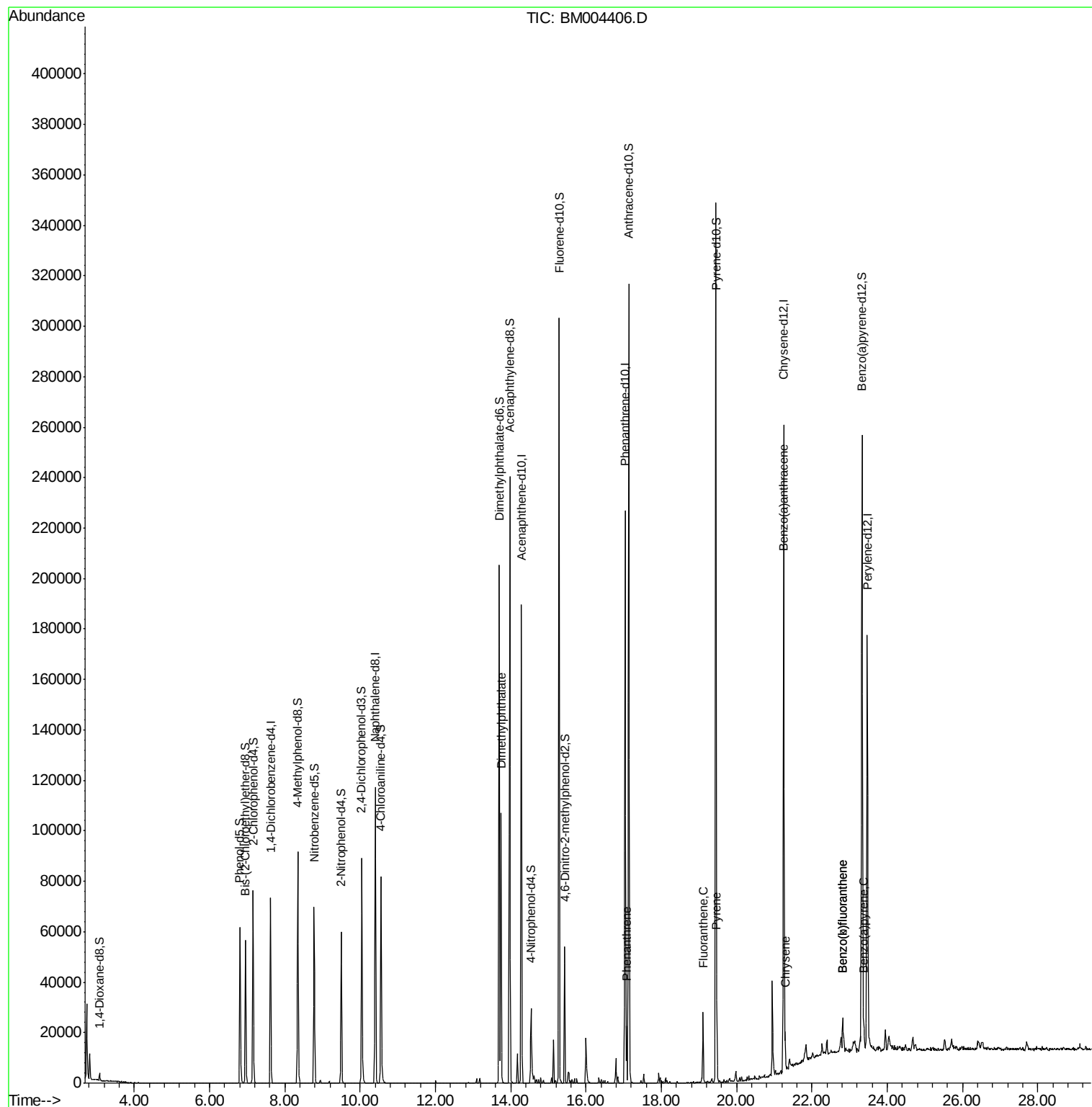
|                          |       |     |       |       |        | Qvalue |
|--------------------------|-------|-----|-------|-------|--------|--------|
| 45) Dimethylphthalate    | 13.74 | 163 | 74702 | 12.81 | ng/ul  | 99     |
| 70) Phenanthrene         | 17.07 | 178 | 15381 | 1.87  | ng/ul  | 99     |
| 77) Fluoranthene         | 19.11 | 202 | 19612 | 2.11  | ng/ul  | 98     |
| 80) Pyrene               | 19.47 | 202 | 18336 | 2.24  | ng/ul  | 97     |
| 83) Benzo(a)anthracene   | 21.23 | 228 | 8904  | 1.10  | ng/ul  | 99     |
| 85) Chrysene             | 21.28 | 228 | 9344  | 1.21  | ng/ul  | 95     |
| 88) Benzo(b)fluoranthene | 22.81 | 252 | 10692 | 1.34  | ng/ul# | 92     |
| 89) Benzo(k)fluoranthene | 22.81 | 252 | 10692 | 1.43  | ng/ul# | 91     |
| 91) Benzo(a)pyrene       | 23.37 | 252 | 7842  | 1.06  | ng/ul# | 92     |

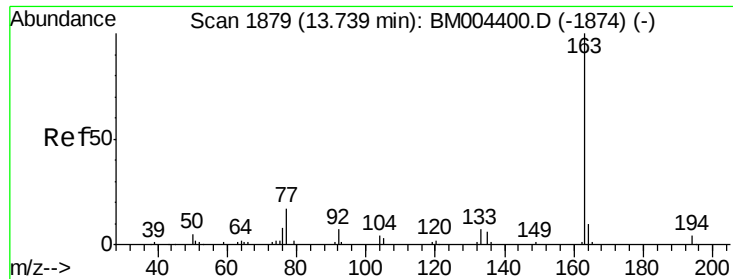
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 12.81 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

Instrument :

BNA\_M

ClientSampleId :

0311-S57-0312

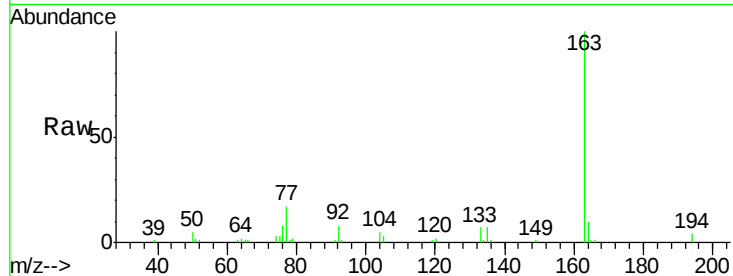
Tgt Ion:163 Resp: 74702

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

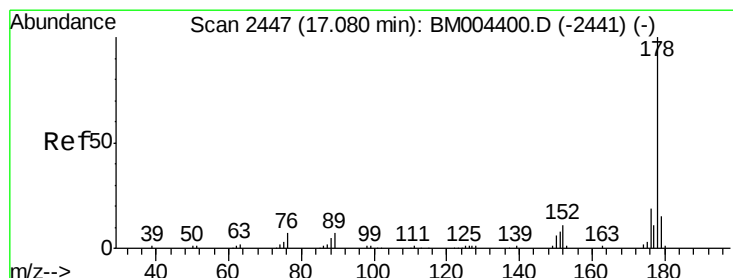
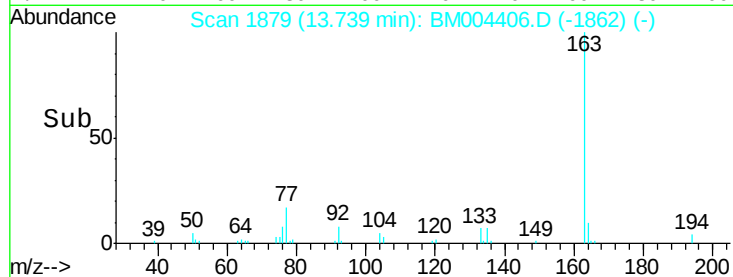
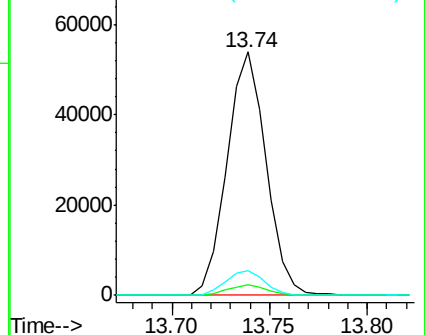
164 10.3 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70

Phenanthrene

Concen: 1.87 ng/ul

RT: 17.07 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

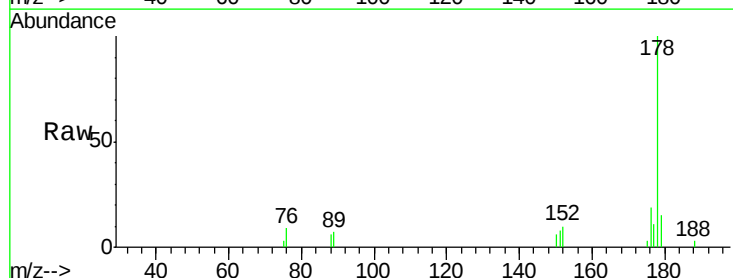
Tgt Ion:178 Resp: 15381

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

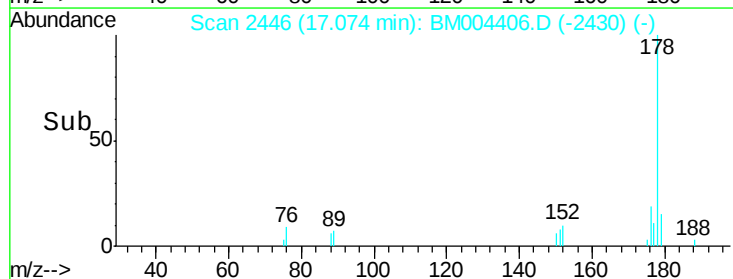
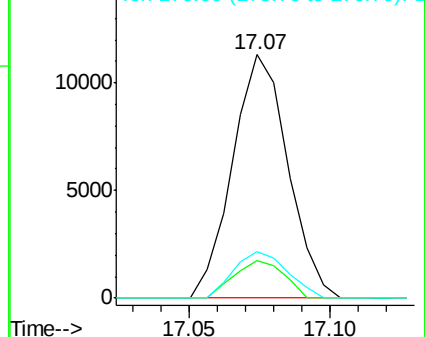
176 19.1 15.6 23.4

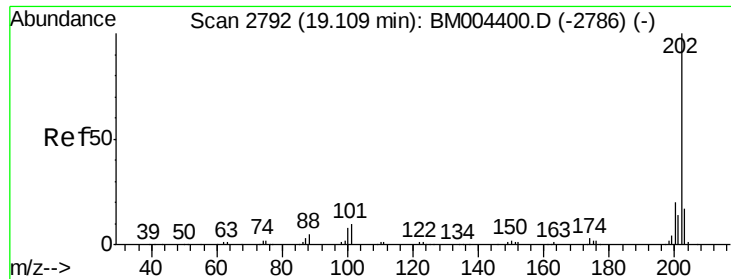


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

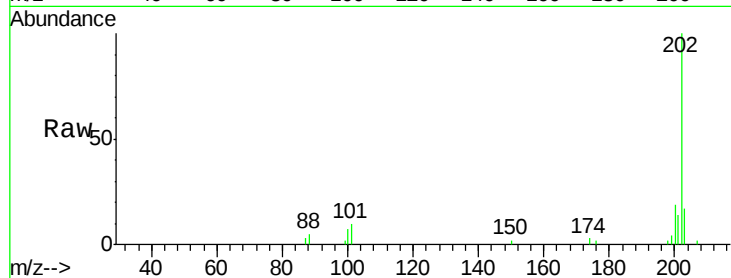




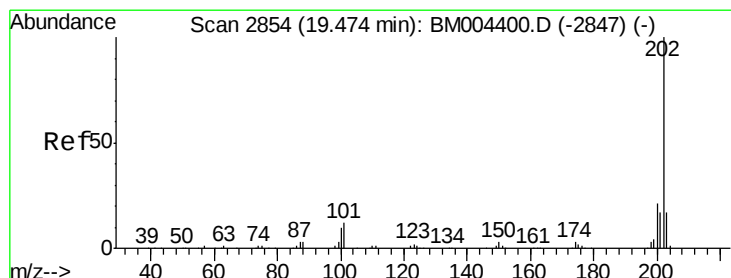
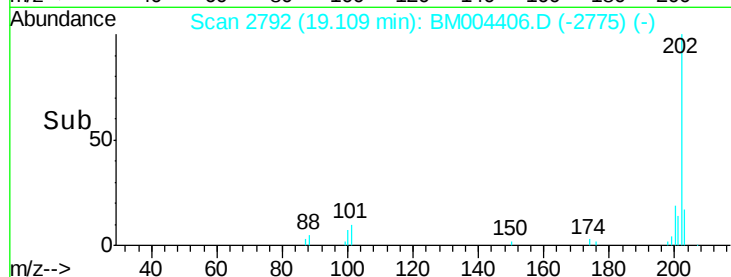
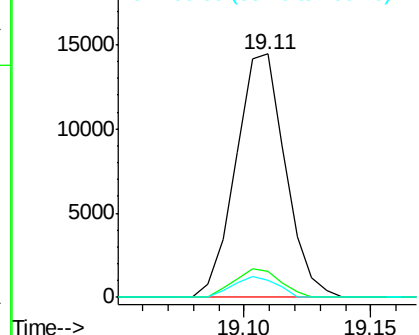
#77  
**Fluoranthene**  
 Concen: 2.11 ng/ul  
 RT: 19.11 min Scan# 2792  
 Delta R.T. -0.00 min  
 Lab File: BM004406.D  
 Acq: 25 Feb 2016 19:08

Instrument :  
 BNA\_M  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.4  | 8.8   | 13.2  |
| 100     | 7.2   | 6.6   | 9.8   |

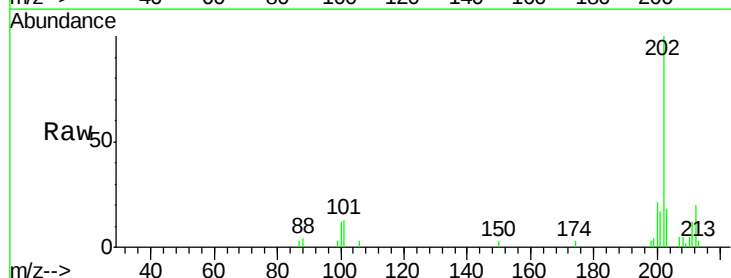


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

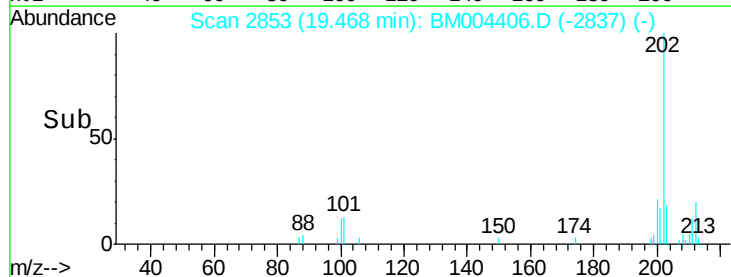
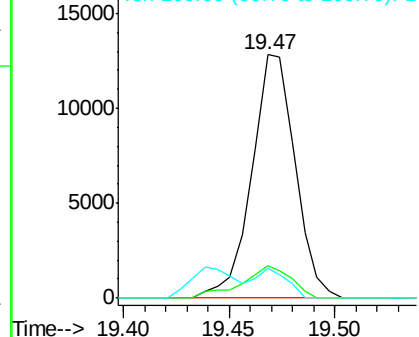


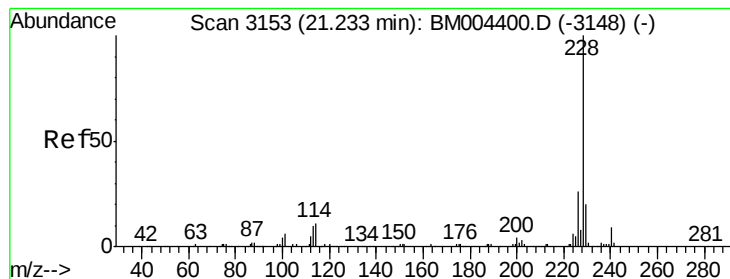
#80  
**Pyrene**  
 Concen: 2.24 ng/ul  
 RT: 19.47 min Scan# 2853  
 Delta R.T. -0.01 min  
 Lab File: BM004406.D  
 Acq: 25 Feb 2016 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.4  | 10.2  | 15.2  |
| 100     | 12.0  | 8.5   | 12.7  |



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





#83

Benzo(a)anthracene

Concen: 1.10 ng/ul

RT: 21.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

Instrument :

BNA\_M

ClientSampleId :

0311-S57-0312

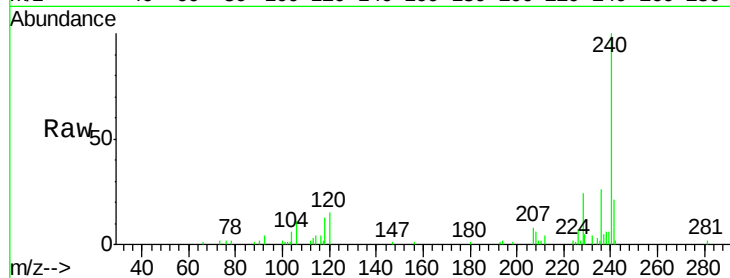
Tgt Ion:228 Resp: 8904

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

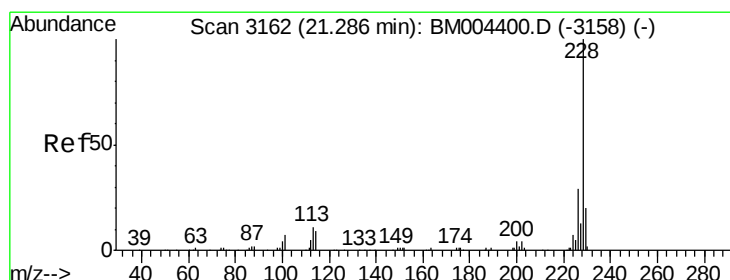
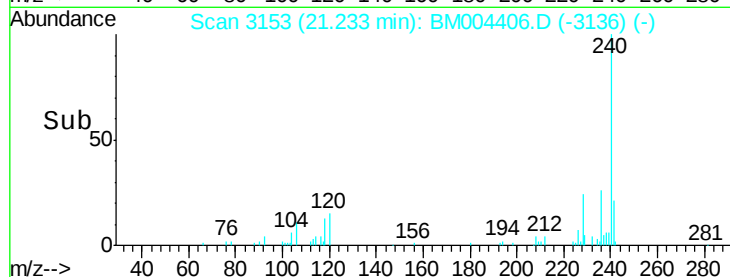
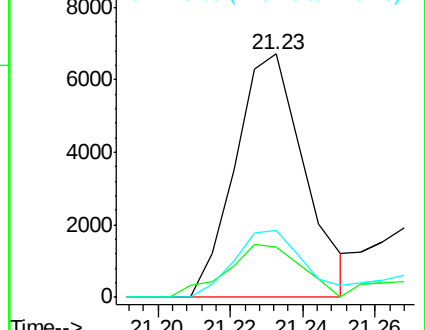
226 27.3 21.8 32.6



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



#85

Chrysene

Concen: 1.21 ng/ul

RT: 21.28 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

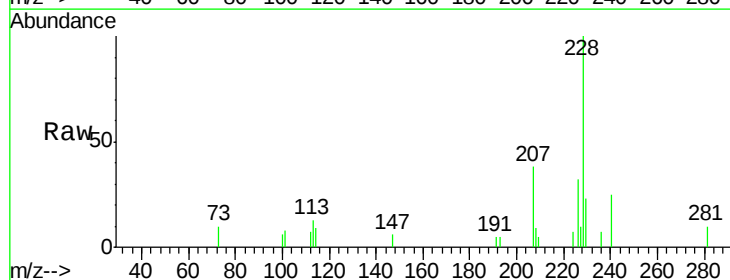
Tgt Ion:228 Resp: 9344

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

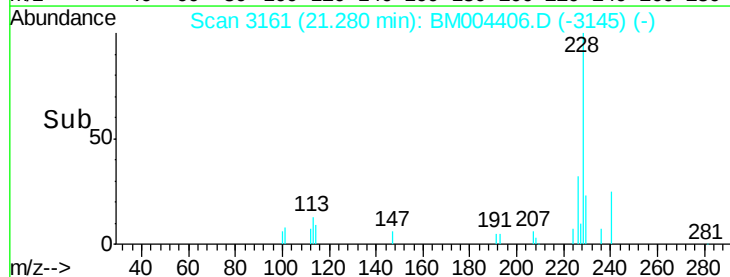
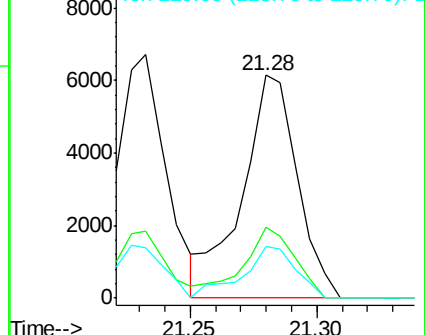
229 22.9 15.6 23.4

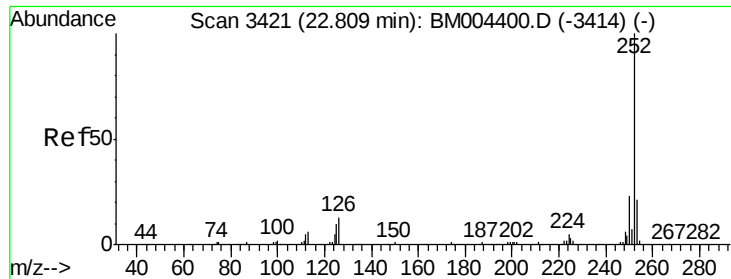


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 1.34 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. -0.00 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

Instrument :

BNA\_M

ClientSampleId :

0311-S57-0312

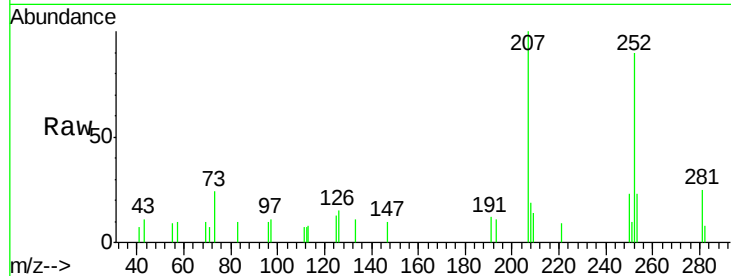
Tgt Ion:252 Resp: 10692

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

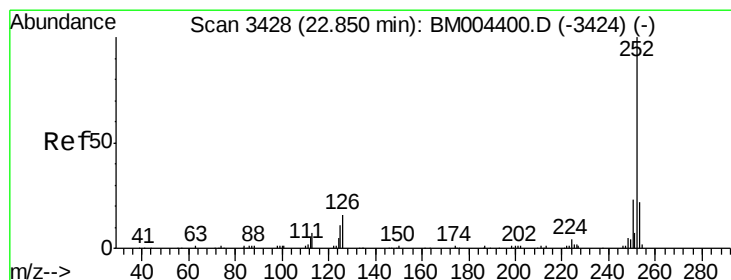
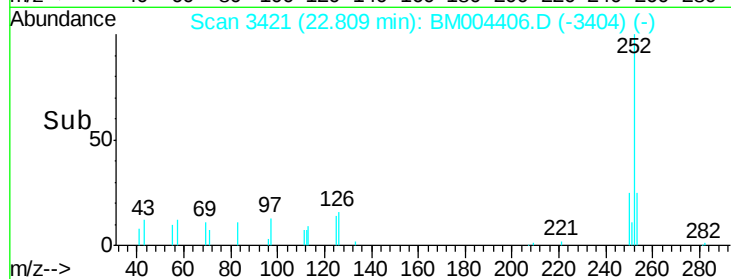
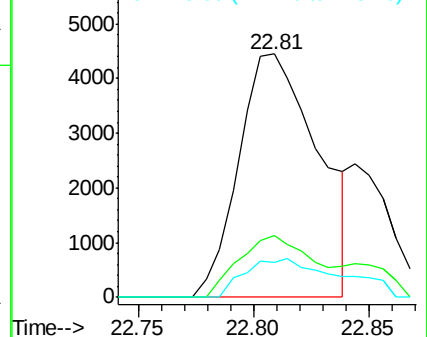
125 14.3 8.5 12.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 1.43 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. -0.04 min

Lab File: BM004406.D

Acq: 25 Feb 2016 19:08

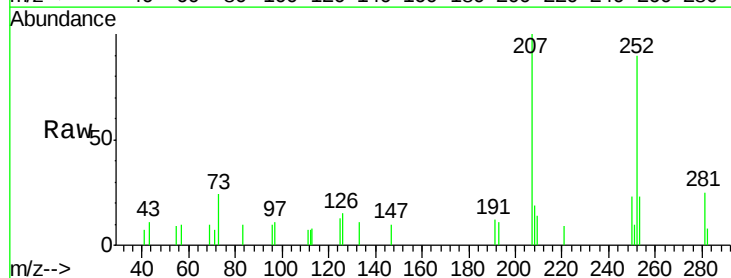
Tgt Ion:252 Resp: 10692

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

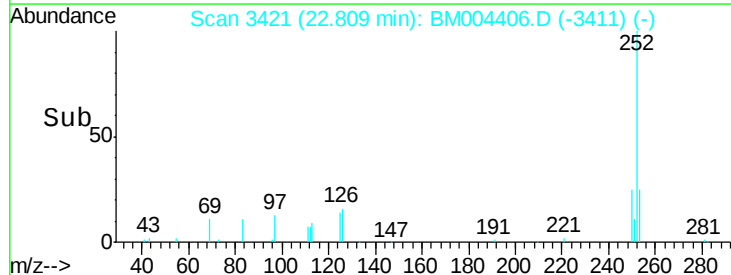
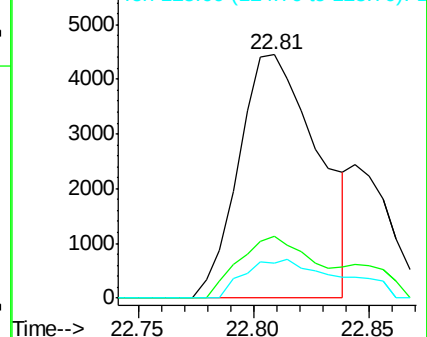
125 14.3 8.2 12.2#

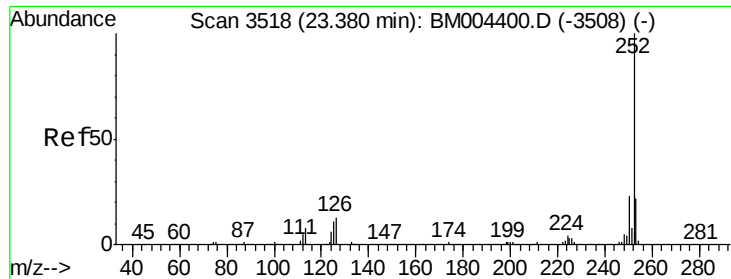


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.06 ng/ul

RT: 23.37 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM004406.D

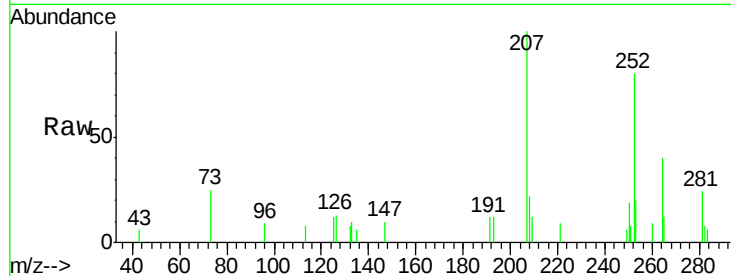
Acq: 25 Feb 2016 19:08

Instrument :

BNA\_M

ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 7842  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 25.3  | 17.2  | 25.8  |
| 125      | 14.9  | 9.0   | 13.6  |

