

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
 Data File : BM004010.D  
 Acq On : 14 Jan 2016 07:01  
 Operator : SJ/UM  
 Sample : H1098-16  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 14 13:07:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 13 06:45:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 44567    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 216548   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.32 | 164  | 126451   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 277158   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 242698   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.51 | 264  | 203840   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 3278   | 3.29  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 84081  | 22.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 49904  | 23.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 71489  | 23.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 68436  | 22.82 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 37312  | 22.87 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 41272  | 23.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 73788  | 23.23 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 103157 | 24.60 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 263446 | 26.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.01 | 160 | 322404 | 26.66 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 38166  | 21.41 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 234016 | 27.79 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 30369  | 19.43 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 365695 | 28.53 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 381879 | 30.38 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 297542 | 29.23 | ng/ul | 0.00 |

## Target Compounds

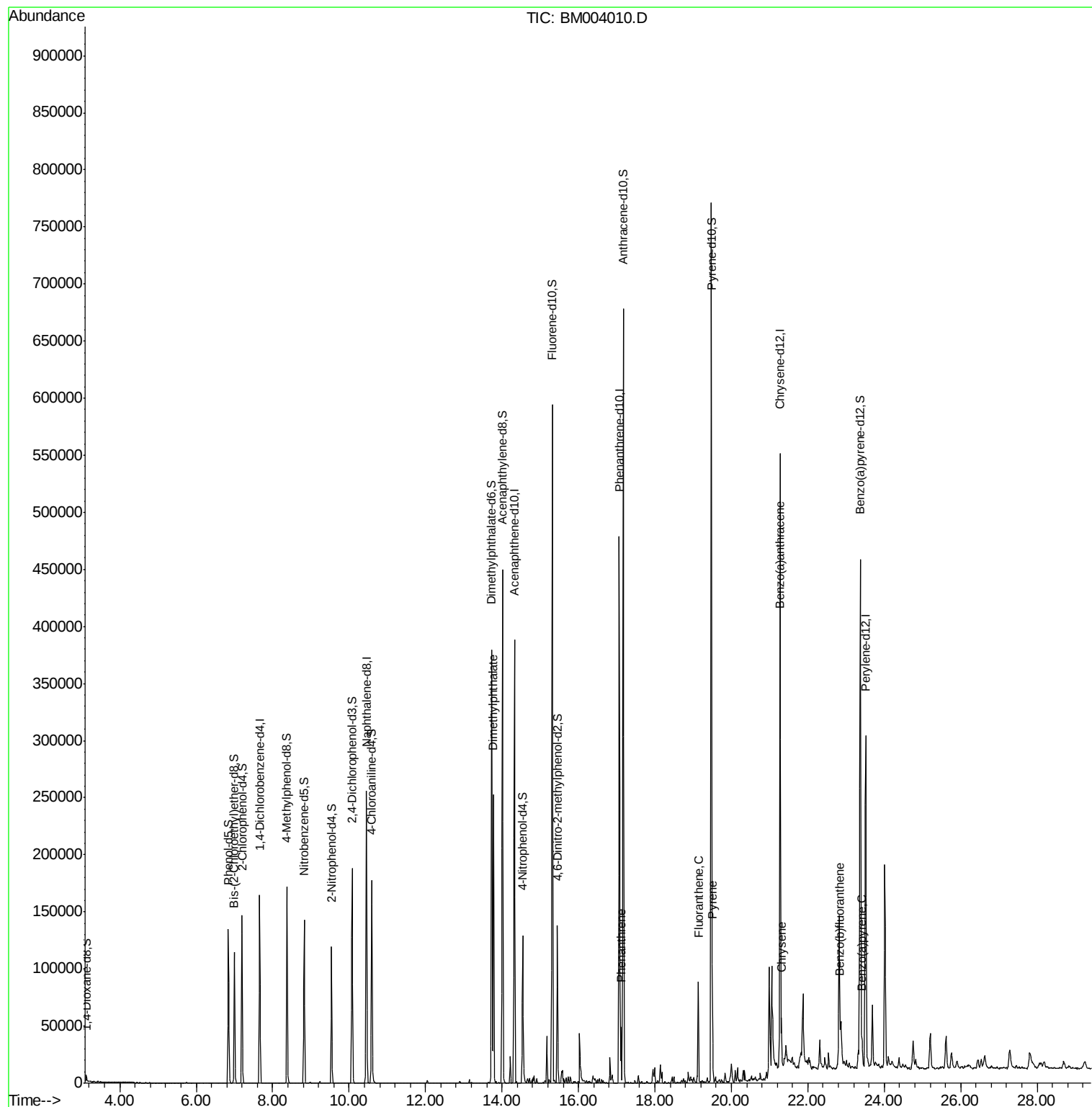
|                          |       |     |        |       |        | Qvalue |
|--------------------------|-------|-----|--------|-------|--------|--------|
| 45) Dimethylphthalate    | 13.77 | 163 | 165242 | 16.33 | ng/ul  | 100    |
| 70) Phenanthrene         | 17.11 | 178 | 30276  | 1.94  | ng/ul  | 98     |
| 77) Fluoranthene         | 19.14 | 202 | 53836  | 3.32  | ng/ul  | 98     |
| 80) Pyrene               | 19.50 | 202 | 58985  | 3.58  | ng/ul  | 100    |
| 83) Benzo(a)anthracene   | 21.26 | 228 | 23957  | 1.66  | ng/ul  | 97     |
| 85) Chrysene             | 21.32 | 228 | 26349  | 1.92  | ng/ul  | 98     |
| 88) Benzo(b)fluoranthene | 22.84 | 252 | 26069  | 2.10  | ng/ul# | 98     |
| 91) Benzo(a)pyrene       | 23.41 | 252 | 19259  | 1.64  | ng/ul  | 96     |

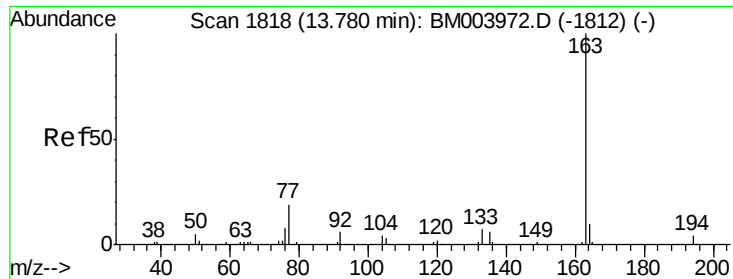
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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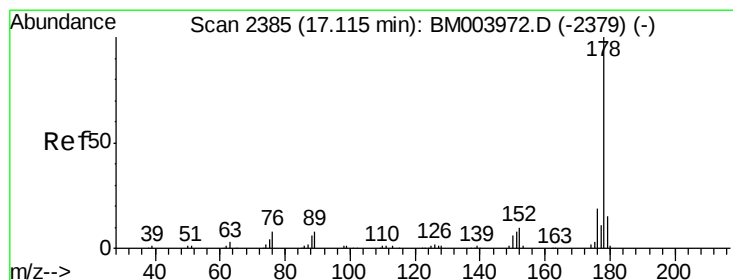
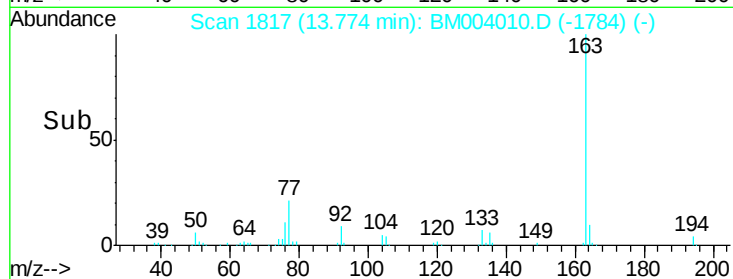
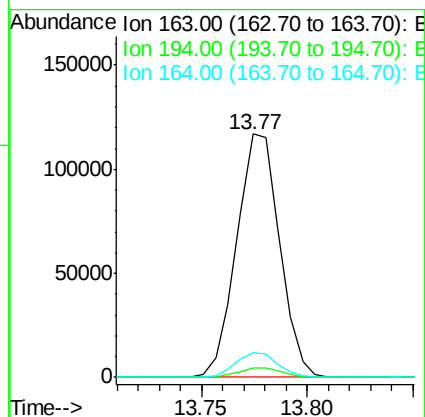
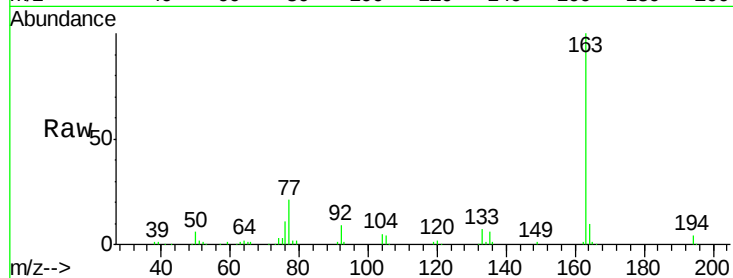




#45  
Dimethylphthalate  
Concen: 16.33 ng/ul  
RT: 13.77 min Scan# 1817  
Delta R.T. -0.01 min  
Lab File: BM004010.D  
Acq: 14 Jan 2016 07:01

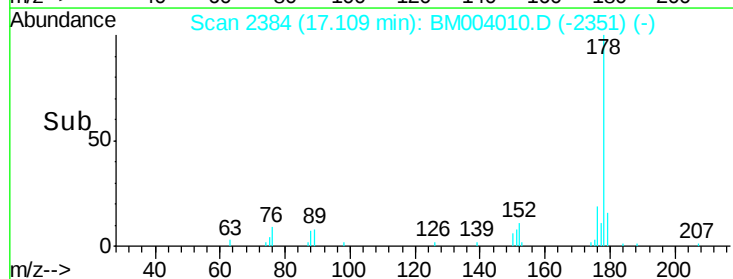
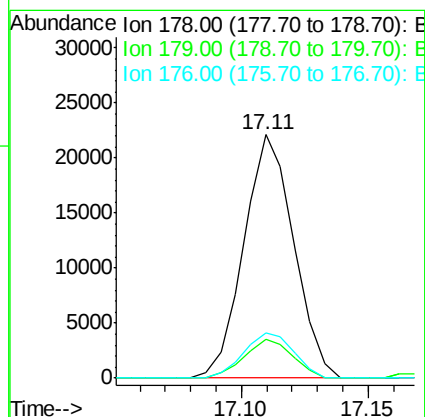
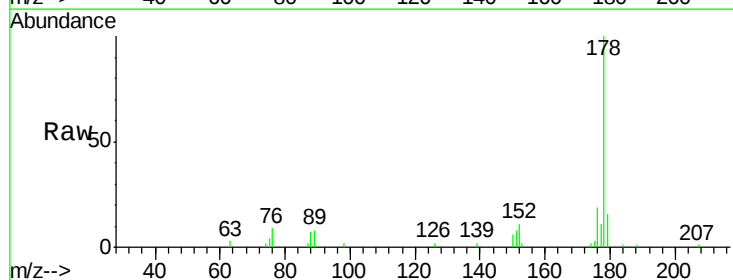
Instrument :  
BNA\_M  
ClientSampleId :

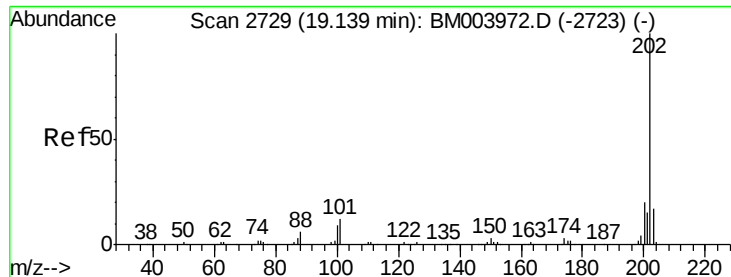
Tgt Ion:163 Resp: 165242  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.2 4.8  
164 9.9 7.8 11.8



#70  
Phenanthrene  
Concen: 1.94 ng/ul  
RT: 17.11 min Scan# 2384  
Delta R.T. -0.01 min  
Lab File: BM004010.D  
Acq: 14 Jan 2016 07:01

Tgt Ion:178 Resp: 30276  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.2 18.4  
176 18.8 15.6 23.4

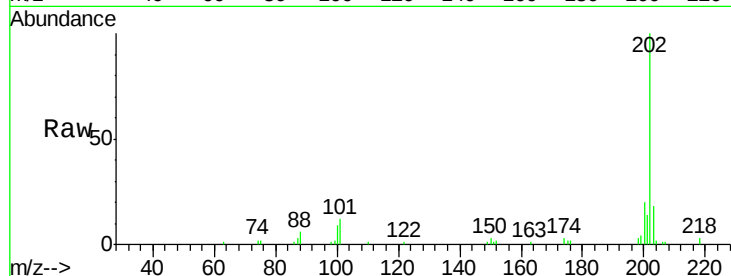




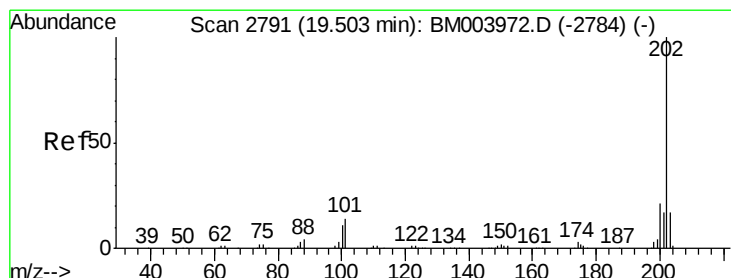
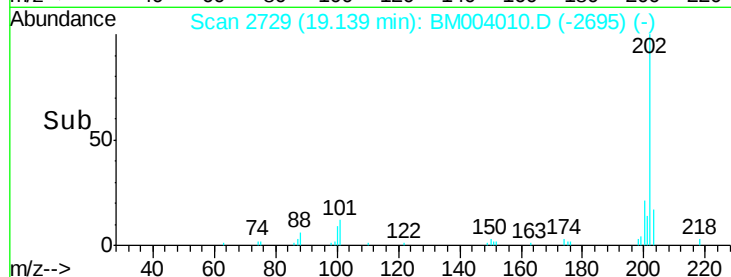
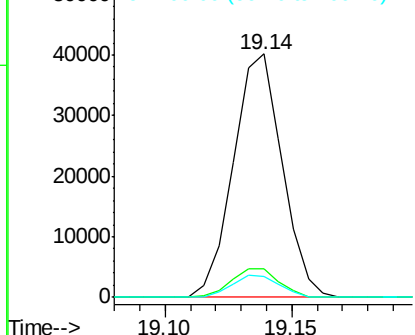
#77  
**Fluoranthene**  
 Concen: 3.32 ng/ul  
 RT: 19.14 min Scan# 2729  
 Delta R.T. 0.00 min  
 Lab File: BM004010.D  
 Acq: 14 Jan 2016 07:01

Instrument :  
 BNA\_M  
 ClientSampled :

Tgt Ion:202 Resp: 53836  
 Ion Ratio Lower Upper  
 202 100  
 101 11.8 8.8 13.2  
 100 8.5 6.6 9.8

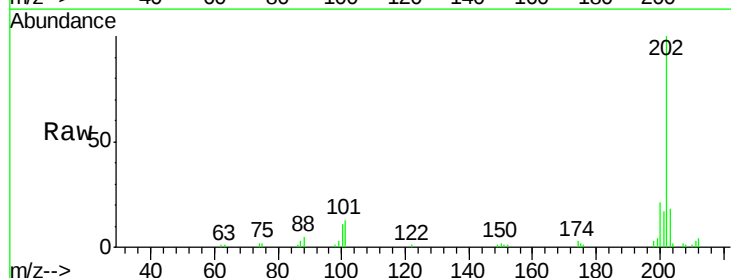


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

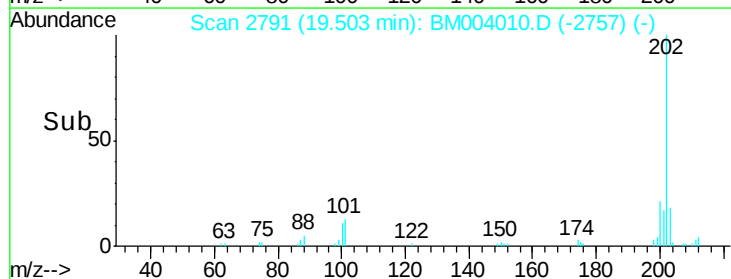
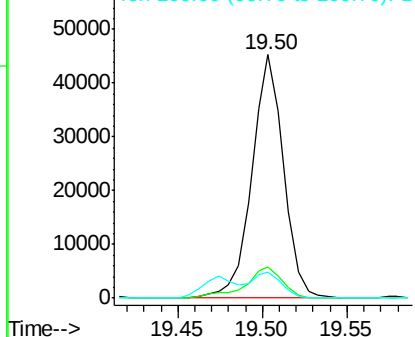


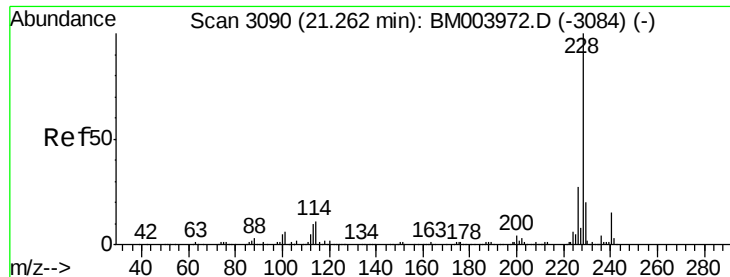
#80  
**Pyrene**  
 Concen: 3.58 ng/ul  
 RT: 19.50 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: BM004010.D  
 Acq: 14 Jan 2016 07:01

Tgt Ion:202 Resp: 58985  
 Ion Ratio Lower Upper  
 202 100  
 101 12.9 10.2 15.2  
 100 10.6 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: 1.66 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM004010.D

Acq: 14 Jan 2016 07:01

Instrument :

BNA\_M

ClientSampleId :

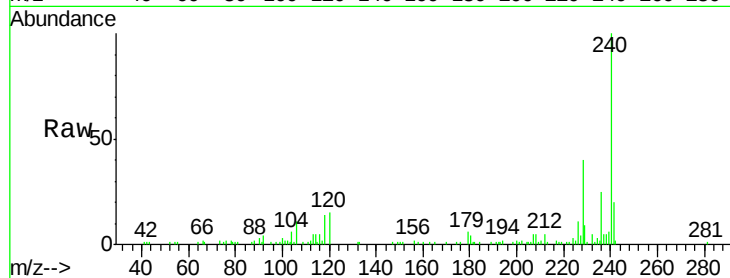
Tgt Ion:228 Resp: 23957

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

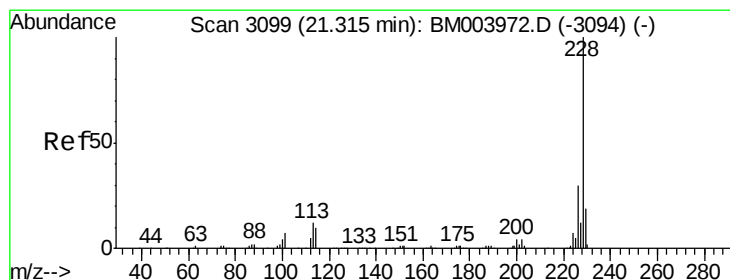
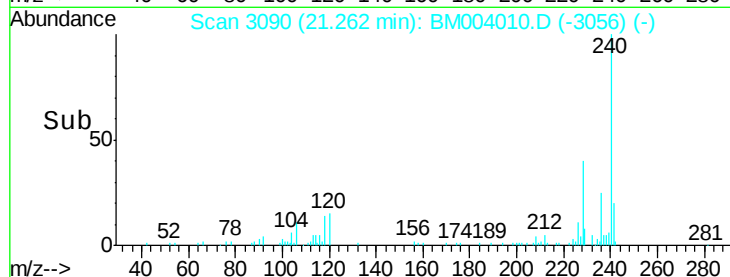
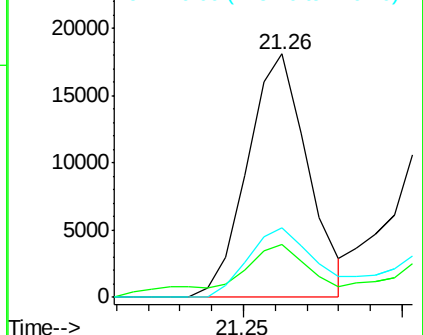
226 28.4 21.8 32.6



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: 1.92 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004010.D

Acq: 14 Jan 2016 07:01

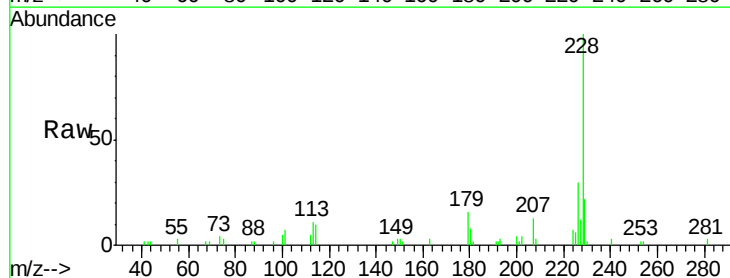
Tgt Ion:228 Resp: 26349

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

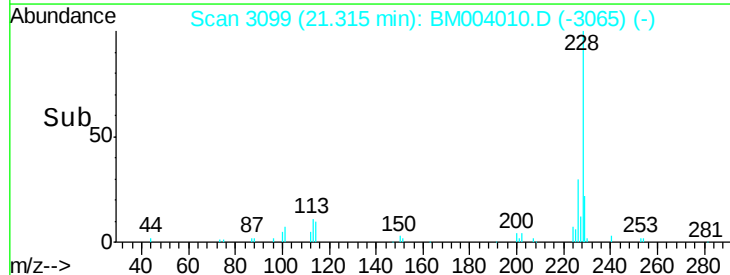
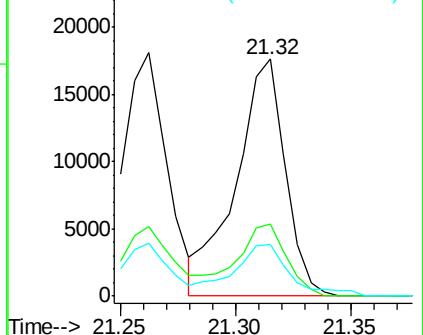
229 21.8 15.6 23.4

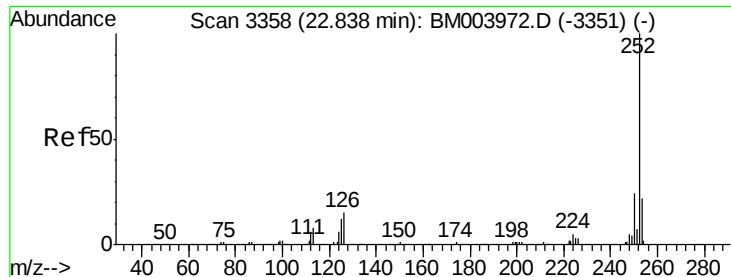


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 2.10 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM004010.D

Acq: 14 Jan 2016 07:01

Instrument :

BNA\_M

ClientSampled :

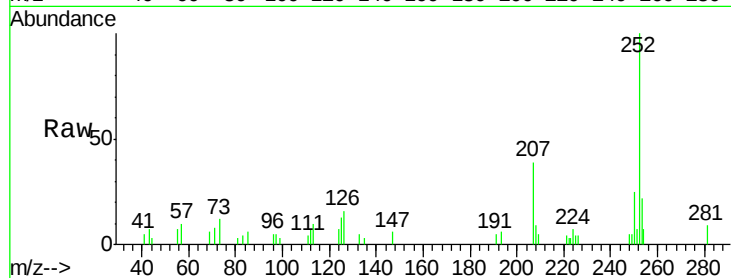
Tgt Ion:252 Resp: 26069

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

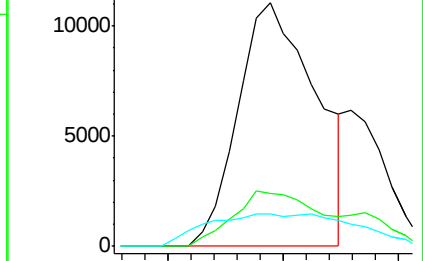
125 13.2 8.5 12.7#



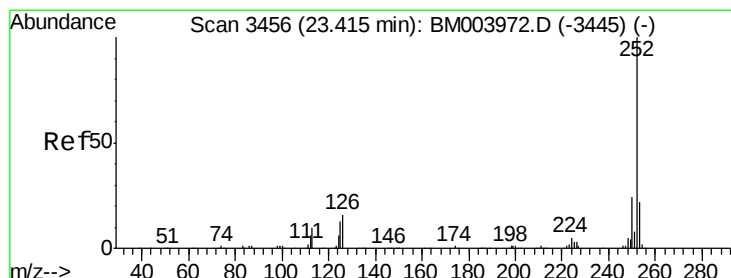
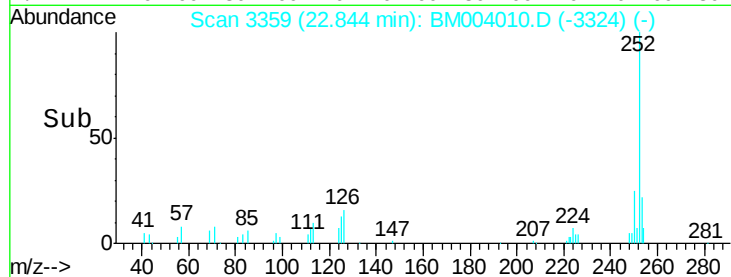
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91

Benzo(a)pyrene

Concen: 1.64 ng/ul

RT: 23.41 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM004010.D

Acq: 14 Jan 2016 07:01

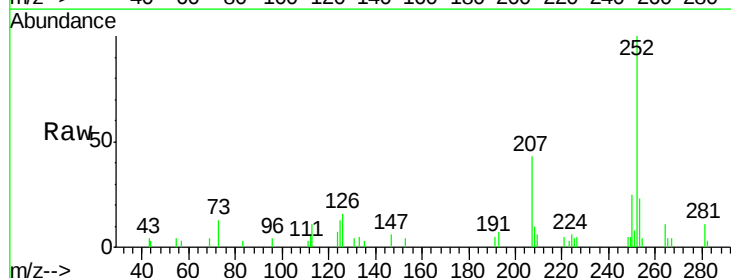
Tgt Ion:252 Resp: 19259

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

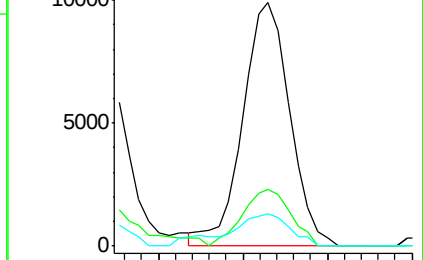
125 13.3 9.0 13.6



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



Time-->

