

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112216\  
 Data File : BM007999.D  
 Acq On : 22 Nov 2016 18:00  
 Operator : UM/SJ  
 Sample : H5695-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHST0

Quant Time: Nov 23 00:48:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 22 16:05:09 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 619      | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.50 | 136  | 2108     | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.35 | 164  | 1273     | 0.40 | ng/ul | -0.02    |
| 10) Phenanthrene-d10      | 17.19 | 188  | 92809    | 0.40 | ng/ul | 0.09     |
| 16) Chrysene-d12          | 21.29 | 240  | 2665     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.53 | 264  | 2813     | 0.40 | ng/ul | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 482      | 0.16 | ng/ul | -0.01    |
| 14) Fluoranthene-d10        | 19.13 | 212  | 1175     | 0.00 | ng/ul | -0.01    |

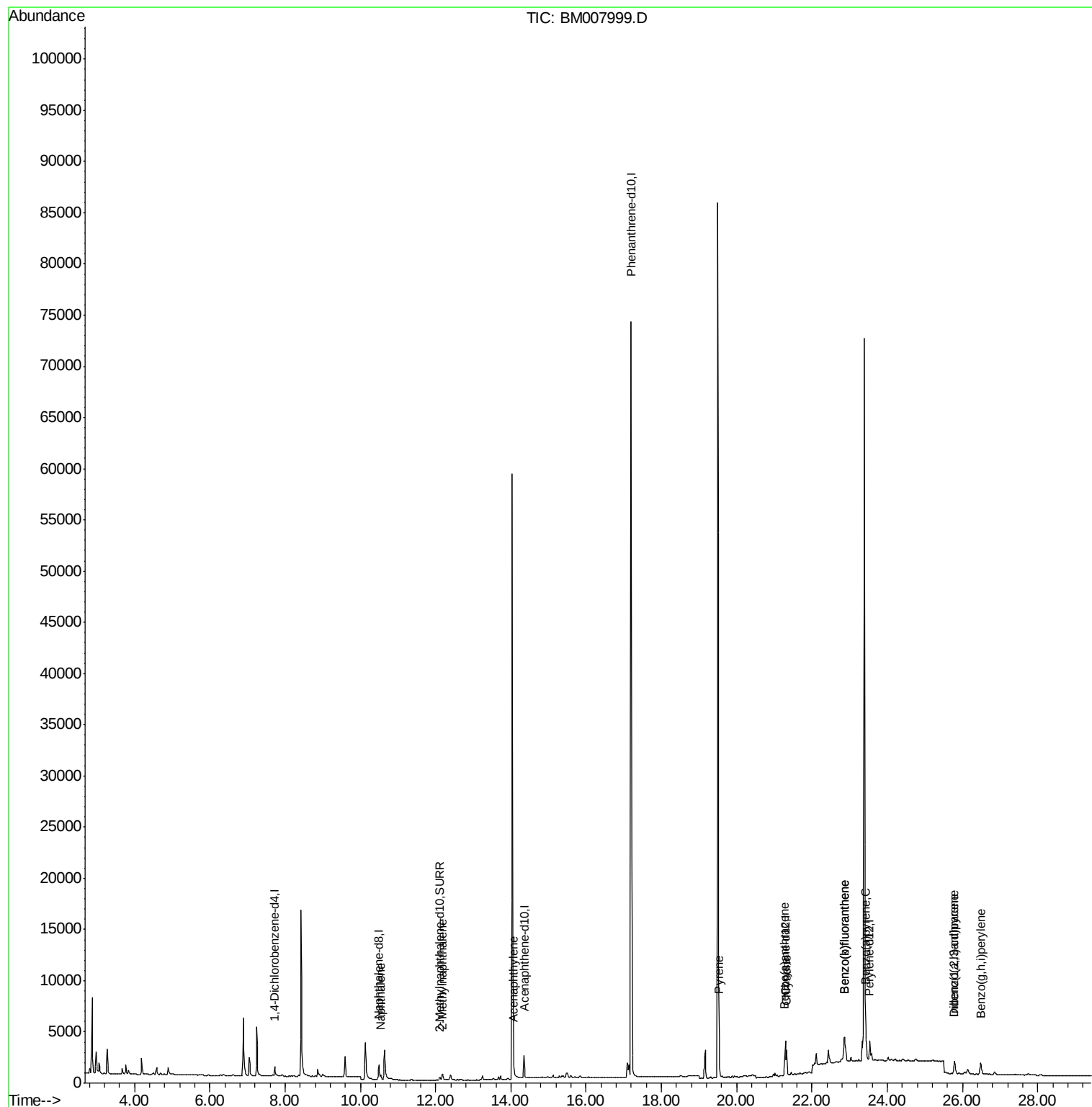
| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.55 | 128  | 678      | 0.12 | ng/ul# | 81     |
| 5) 2-Methylnaphthalene     | 12.18 | 142  | 613      | 0.16 | ng/ul  | 100    |
| 7) Acenaphthylene          | 14.07 | 152  | 307      | 0.05 | ng/ul# | 52     |
| 17) Pyrene                 | 19.53 | 202  | 4015     | 0.43 | ng/ul  | 95     |
| 18) Benzo(a)anthracene     | 21.27 | 228  | 2068     | 0.25 | ng/ul# | 85     |
| 19) Chrysene               | 21.32 | 228  | 3015     | 0.30 | ng/ul# | 88     |
| 21) Benzo(b)fluoranthene   | 22.86 | 252  | 5261     | 0.47 | ng/ul  | 74     |
| 22) Benzo(k)fluoranthene   | 22.86 | 252  | 5261     | 0.45 | ng/ul# | 72     |
| 23) Benzo(a)pyrene         | 23.43 | 252  | 3037     | 0.29 | ng/ul# | 87     |
| 24) Indeno(1,2,3-cd)pyrene | 25.79 | 276  | 2085     | 0.16 | ng/ul# | 93     |
| 25) Dibenzo(a,h)anthracene | 25.79 | 278  | 610      | 0.06 | ng/ul# | 1      |
| 26) Benzo(g,h,i)perylene   | 26.48 | 276  | 2573     | 0.22 | ng/ul# | 89     |

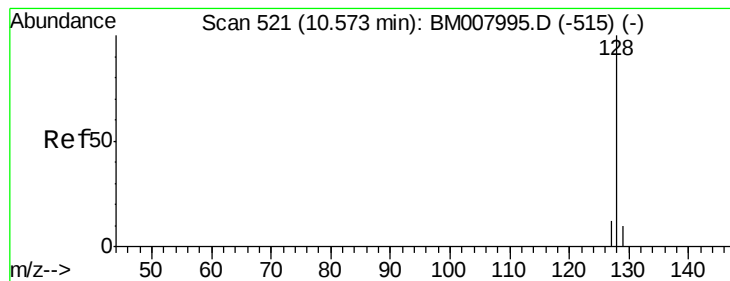
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

Instrument :

BNA\_M

ClientSampleId :

JHST0

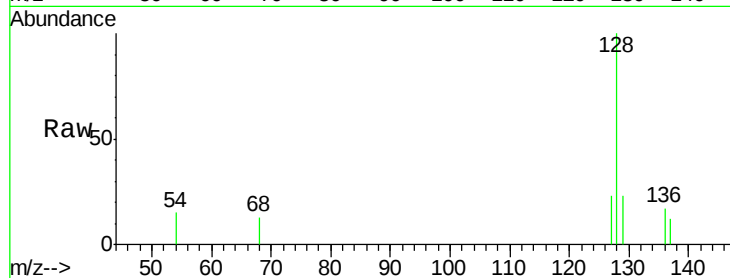
Tgt Ion:128 Resp: 678

Ion Ratio Lower Upper

128 100

129 22.9 11.3 16.9#

127 22.9 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.55

400

300

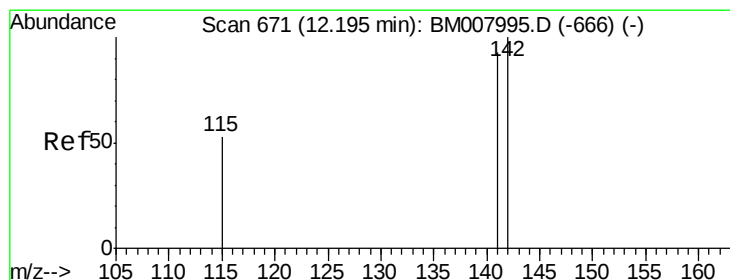
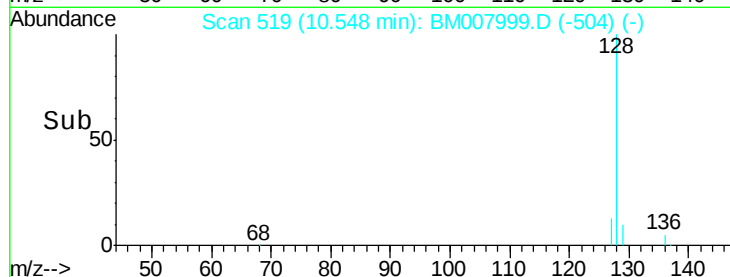
200

100

0

10.50 10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.16 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM007999.D

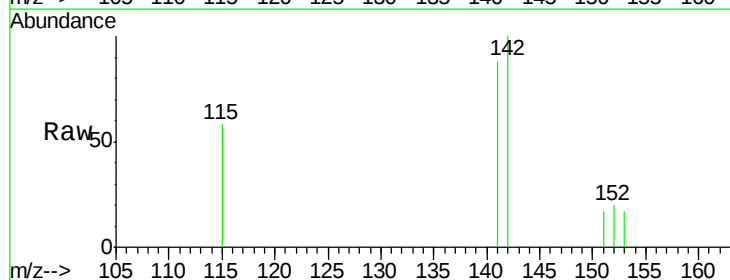
Acq: 22 Nov 2016 18:00

Tgt Ion:142 Resp: 613

Ion Ratio Lower Upper

142 100

141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.18

300

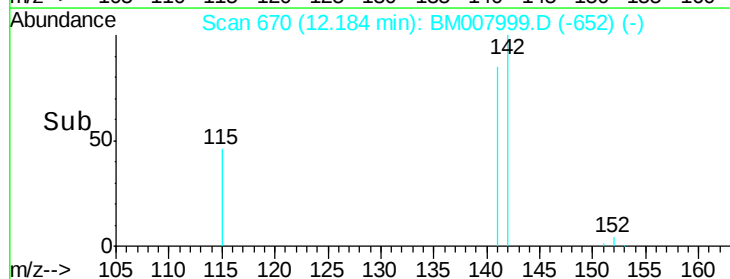
200

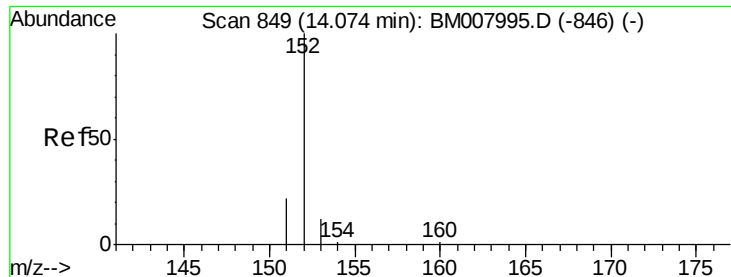
100

0

12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

Instrument :

BNA\_M

ClientSampleId :

JHST0

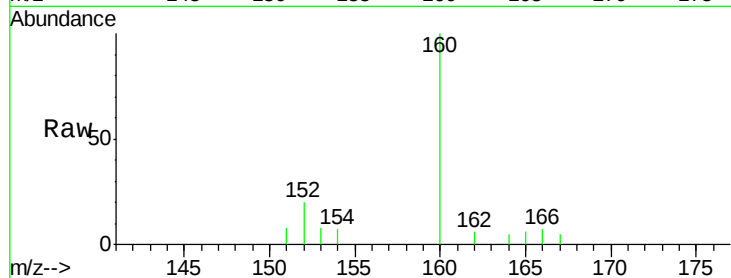
Tgt Ion:152 Resp: 307

Ion Ratio Lower Upper

152 100

151 39.5 17.1 25.7#

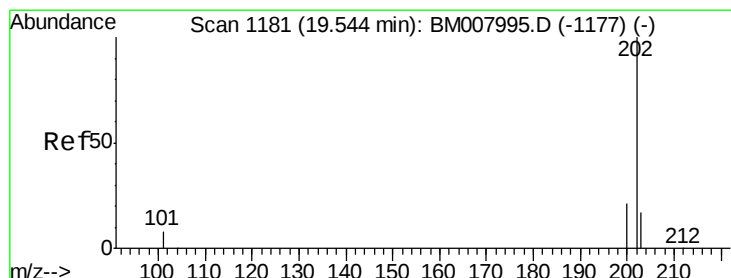
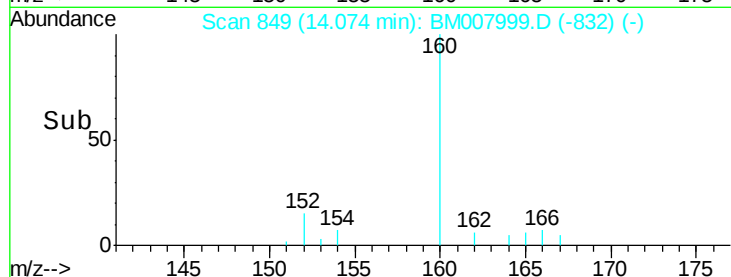
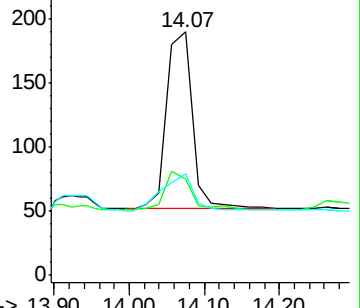
153 41.6 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Pyrene

Concen: 0.43 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

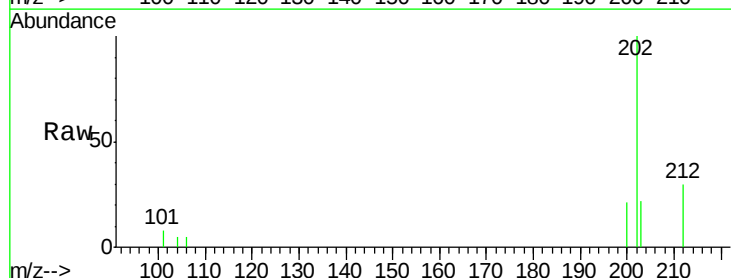
Tgt Ion:202 Resp: 4015

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

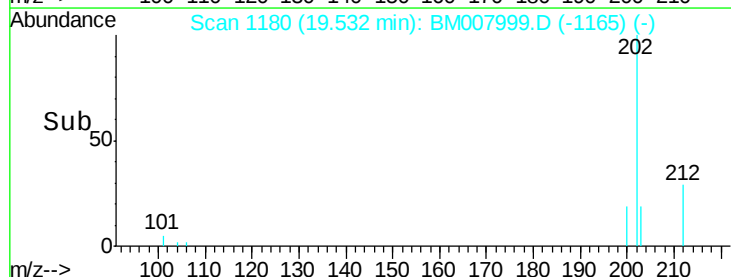
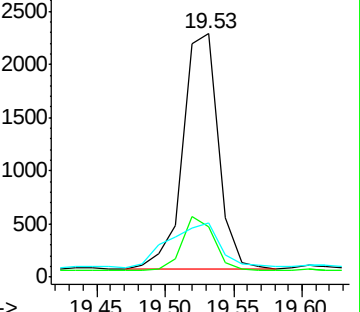
203 22.4 15.6 23.4

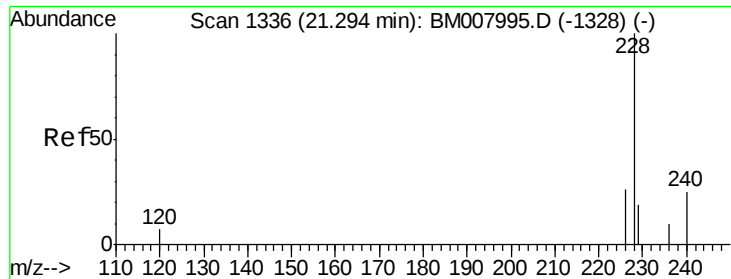


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.25 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

Instrument :

BNA\_M

ClientSampleId :

JHST0

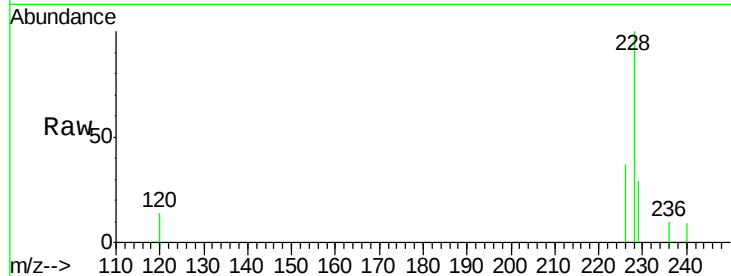
Tgt Ion:228 Resp: 2068

Ion Ratio Lower Upper

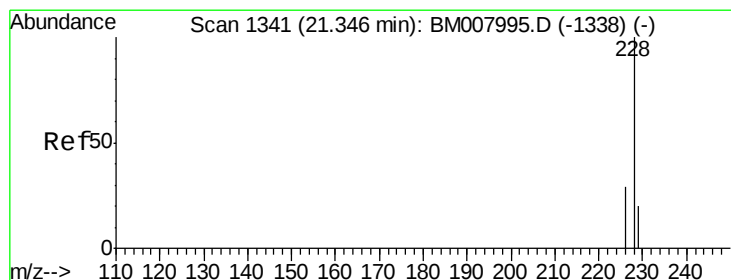
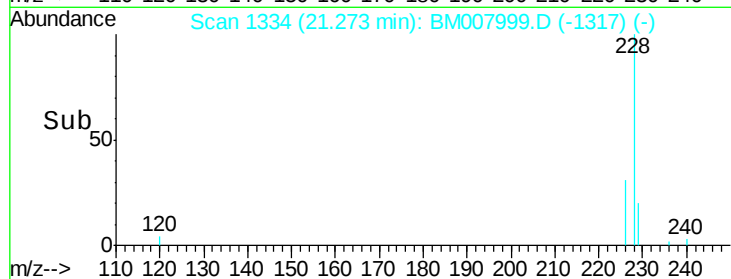
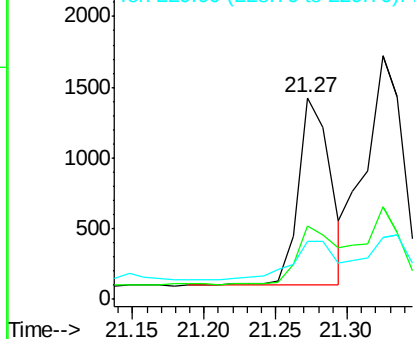
228 100

226 36.5 22.8 34.2#

229 28.7 17.0 25.6#



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



#19

Chrysene

Concen: 0.30 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

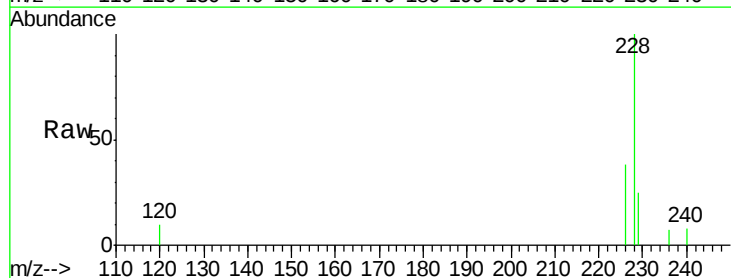
Tgt Ion:228 Resp: 3015

Ion Ratio Lower Upper

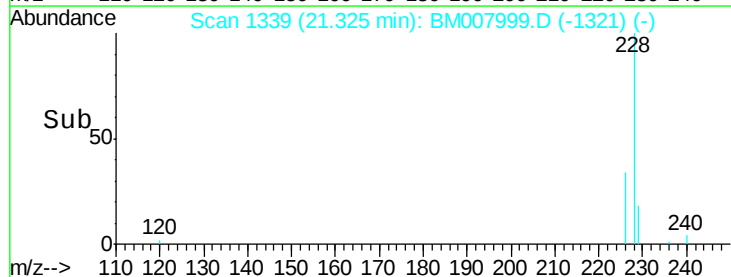
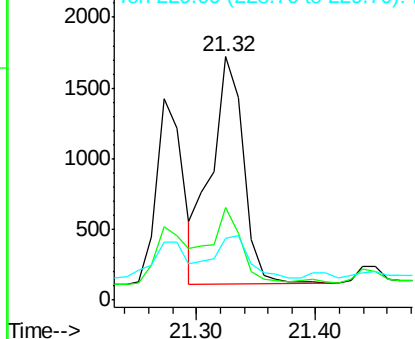
228 100

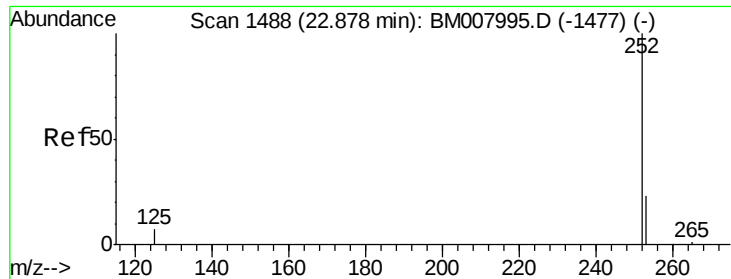
226 37.9 23.4 35.0#

229 25.2 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.47 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.02 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

Instrument :

BNA\_M

ClientSampleId :

JHST0

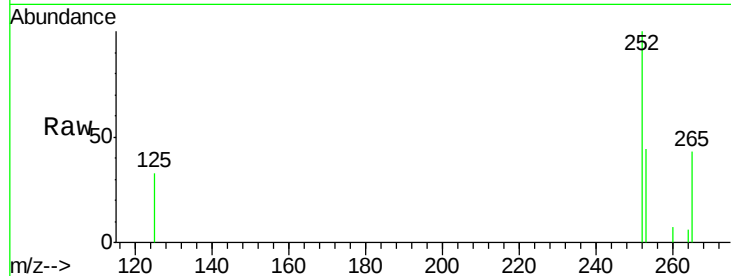
Tgt Ion:252 Resp: 5261

Ion Ratio Lower Upper

252 100

253 43.7 0.0 64.2

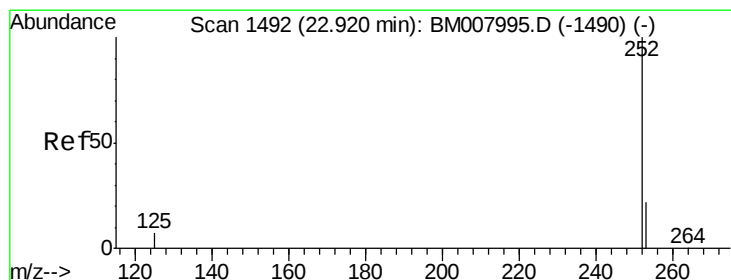
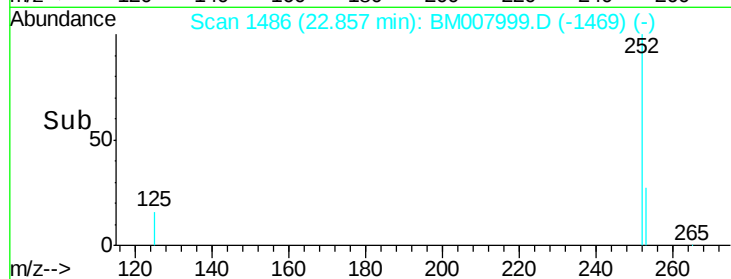
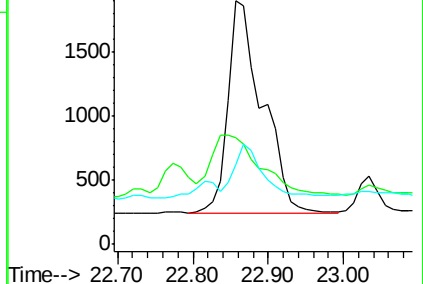
125 33.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.06 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

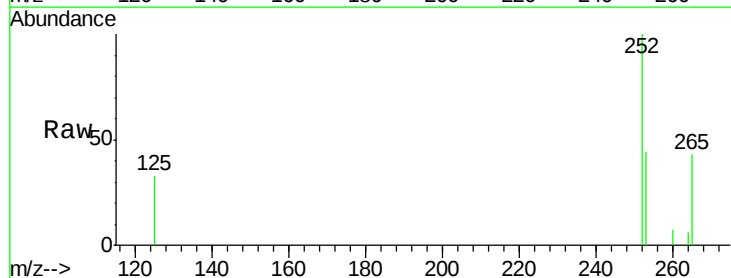
Tgt Ion:252 Resp: 5261

Ion Ratio Lower Upper

252 100

253 43.7 24.5 36.7#

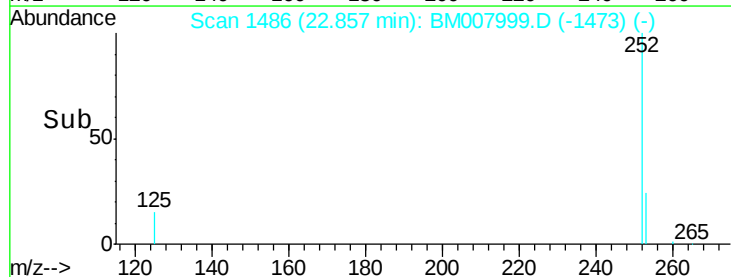
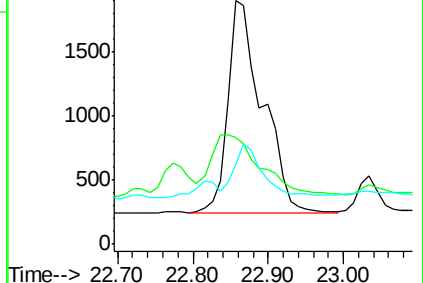
125 33.0 13.7 20.5#

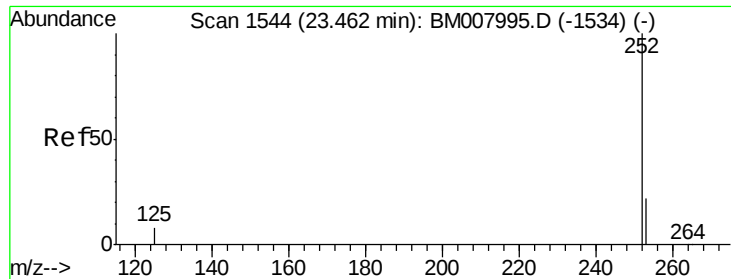


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.29 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.02 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

Instrument :

BNA\_M

ClientSampleId :

JHST0

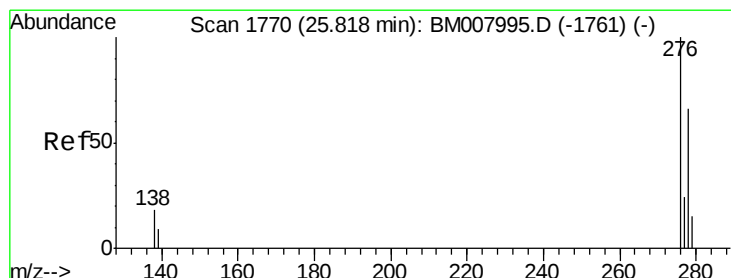
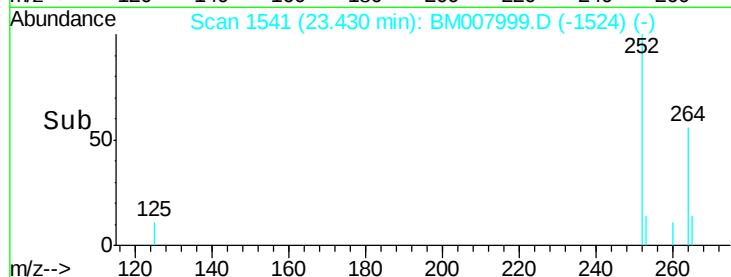
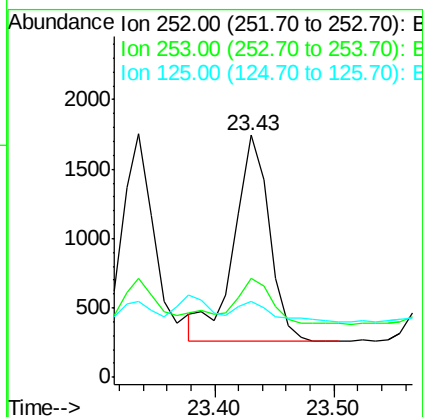
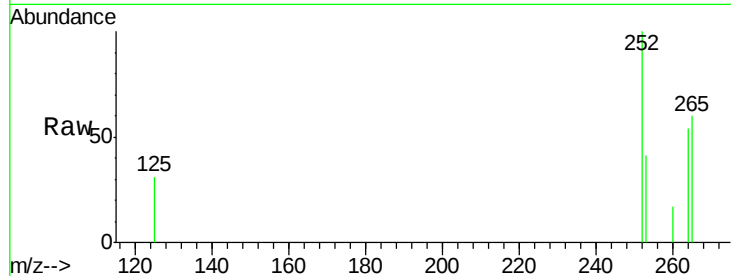
Tgt Ion:252 Resp: 3037

Ion Ratio Lower Upper

252 100

253 40.9 28.5 42.7

125 31.3 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.03 min

Lab File: BM007999.D

Acq: 22 Nov 2016 18:00

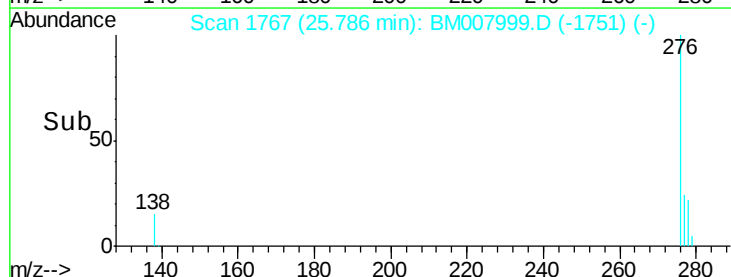
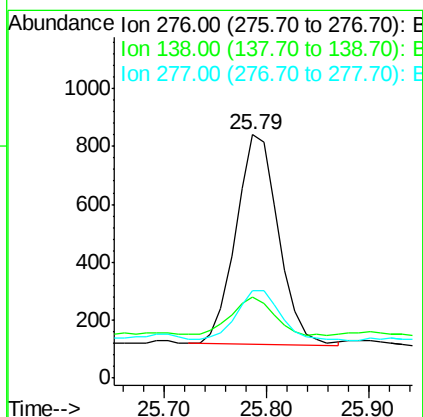
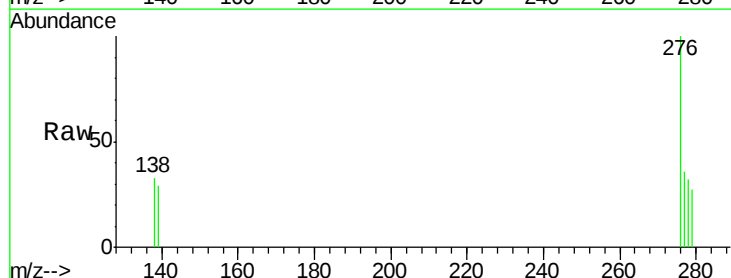
Tgt Ion:276 Resp: 2085

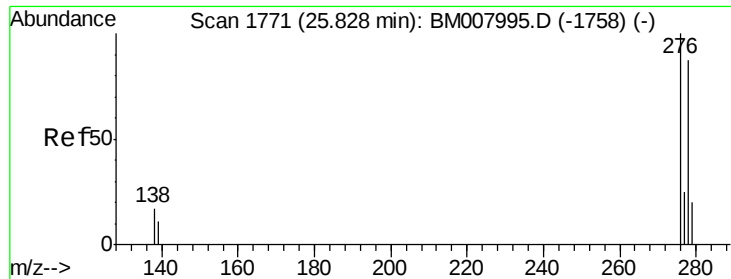
Ion Ratio Lower Upper

276 100

138 17.5 19.1 28.7#

277 24.6 19.6 29.4

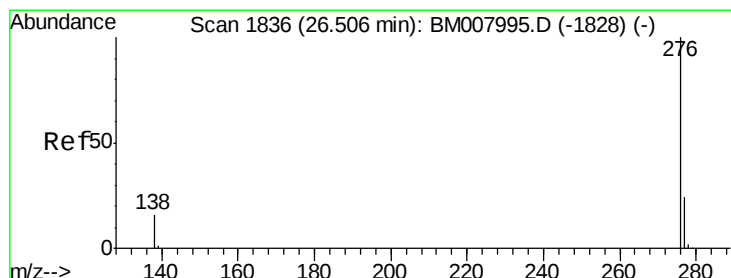
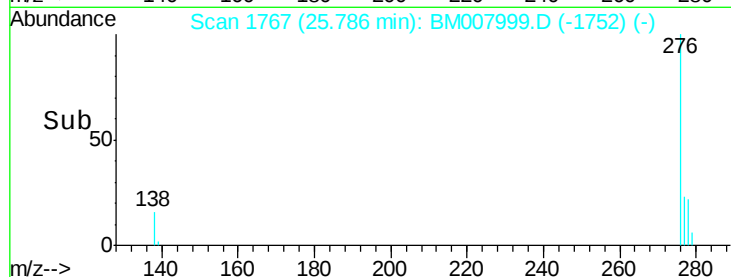
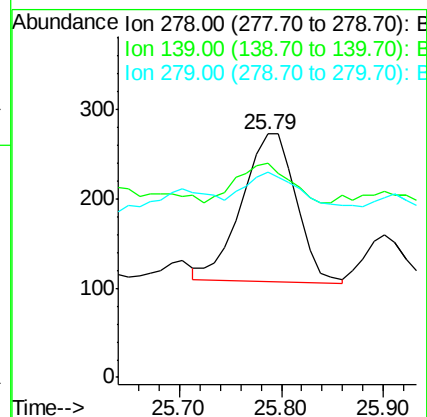
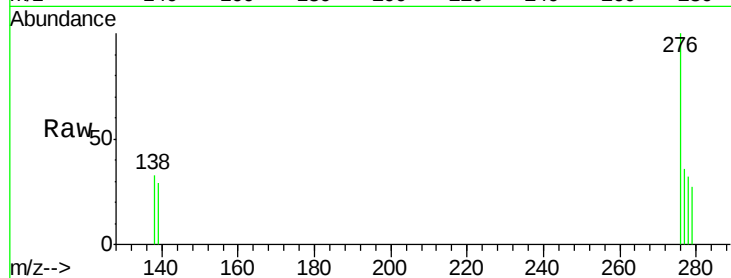




#25  
Dibenzo(a,h)anthracene  
Concen: 0.06 ng/ul  
RT: 25.79 min Scan# 1767  
Delta R.T. -0.04 min  
Lab File: BM007999.D  
Acq: 22 Nov 2016 18:00

Instrument :  
BNA\_M  
ClientSampleId :  
JHST0

Tgt Ion: 278 Resp: 610  
Ion Ratio Lower Upper  
278 100  
139 87.9 17.4 26.0#  
279 84.2 25.9 38.9#



#26  
Benzo(g,h,i)perylene  
Concen: 0.22 ng/ul  
RT: 26.48 min Scan# 1834  
Delta R.T. -0.02 min  
Lab File: BM007999.D  
Acq: 22 Nov 2016 18:00

Tgt Ion: 276 Resp: 2573  
Ion Ratio Lower Upper  
276 100  
277 34.3 21.8 32.8#  
138 30.0 20.5 30.7

