

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\  
 Data File : BM003244.D  
 Acq On : 21 Nov 2015 12:07  
 Operator : UM/IZ  
 Sample : G4323-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Nov 22 01:17:19 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 01:13:23 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 11569    | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.53 | 136  | 45324    | 0.40 | ng/ul | 0.00     |
| 8) Acenaphthene-d10       | 14.38 | 164  | 24547    | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.23 | 188  | 3215362  | 0.40 | ng/ul | 0.10     |
| 18) Chrysene-d12          | 21.32 | 240  | 47270    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.44 | 264  | 3472512  | 0.40 | ng/ul | -0.15    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 2) 1,4-Dioxane-d8           | 3.20  | 96   | 66740    | 5.40 | ng/uL | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.12 | 152  | 17906    | 0.29 | ng/ul | 0.00     |
| 16) Fluoranthene-d10        | 19.17 | 212  | 37523    | 0.00 | ng/ul | 0.00     |

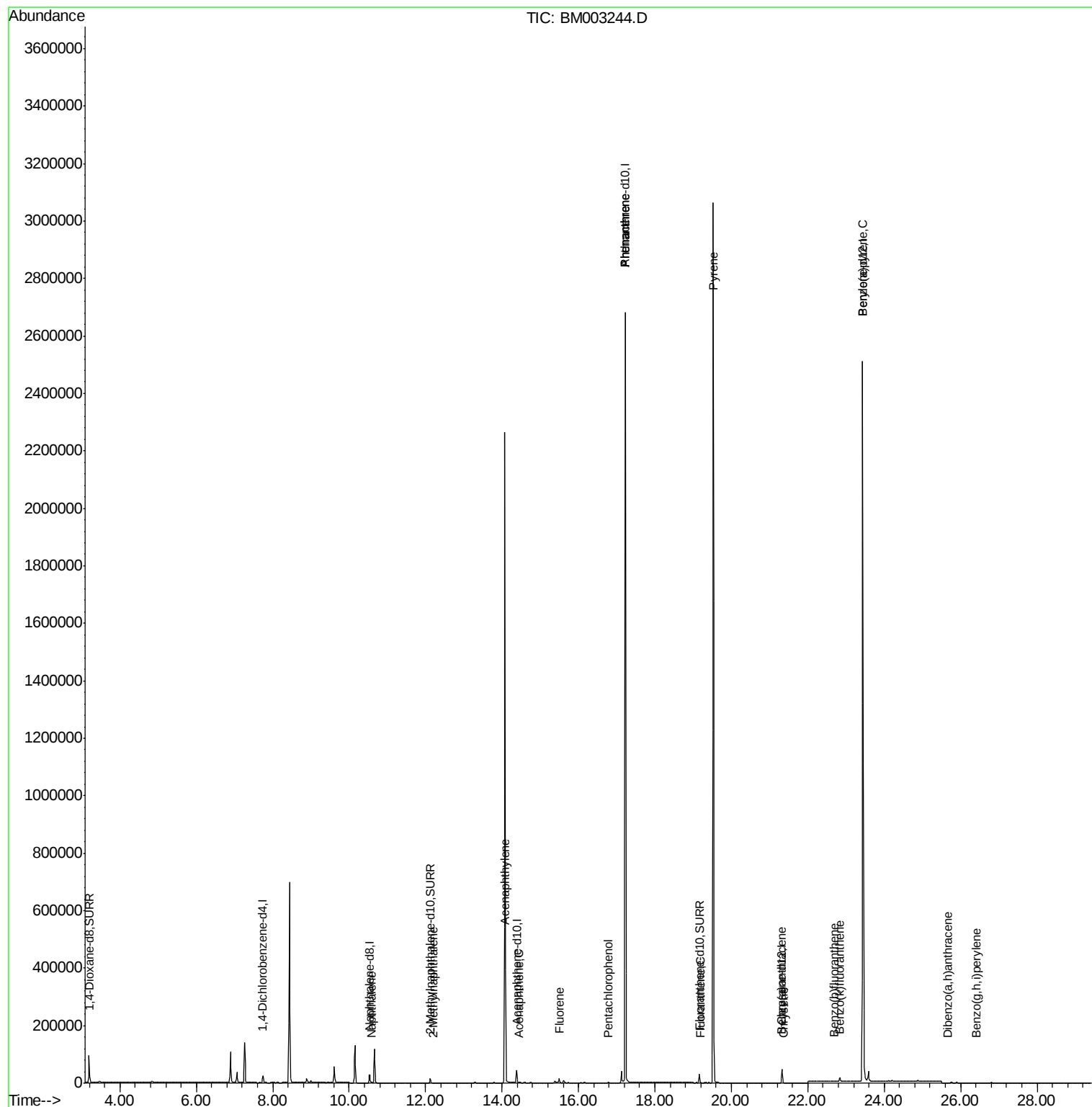
| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 5) Naphthalene             | 10.57 | 128  | 3451     | 0.03 | ng/ul# | 87     |
| 7) 2-Methylnaphthalene     | 12.19 | 142  | 239      | 0.00 | ng/ul# | 100    |
| 9) Acenaphthylene          | 14.09 | 152  | 568      | 0.01 | ng/ul# | 1      |
| 10) Acenaphthene           | 14.45 | 153  | 242      | 0.00 | ng/ul# | 73     |
| 11) Fluorene               | 15.49 | 166  | 246      | 0.00 | ng/ul# | 1      |
| 13) Pentachlorophenol      | 16.78 | 266  | 728      | 0.00 | ng/ul  | 92     |
| 14) Phenanthrene           | 17.23 | 178  | 1643     | 0.00 | ng/ul# | 1      |
| 15) Anthracene             | 17.23 | 178  | 1555     | 0.00 | ng/ul# | 1      |
| 17) Fluoranthene           | 19.19 | 202  | 1447     | 0.00 | ng/ul  | 59     |
| 19) Pyrene                 | 19.53 | 202  | 6560     | 0.04 | ng/ul# | 1      |
| 20) Benzo(a)anthracene     | 21.31 | 228  | 556      | 0.00 | ng/ul# | 24     |
| 21) Chrysene               | 21.36 | 228  | 328      | 0.00 | ng/ul# | 31     |
| 23) Benzo(b)fluoranthene   | 22.69 | 252  | 39       | 0.00 | ng/ul# | 1      |
| 24) Benzo(k)fluoranthene   | 22.83 | 252  | 211      | 0.00 | ng/ul# | 1      |
| 25) Benzo(a)pyrene         | 23.44 | 252  | 13306    | 0.00 | ng/ul# | 67     |
| 27) Dibenzo(a,h)anthracene | 25.67 | 278  | 36       | 0.00 | ng/ul# | 1      |
| 28) Benzo(g,h,i)perylene   | 26.41 | 276  | 25       | 0.00 | ng/ul# | 1      |

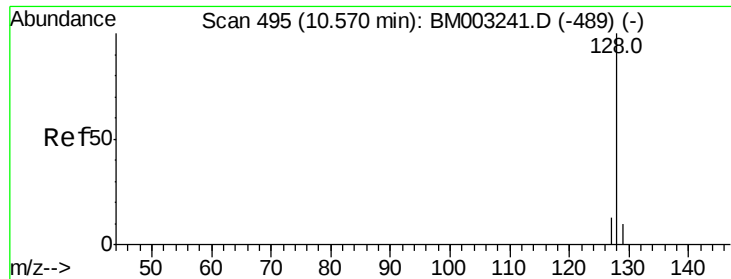
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 01:13:23 2015  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

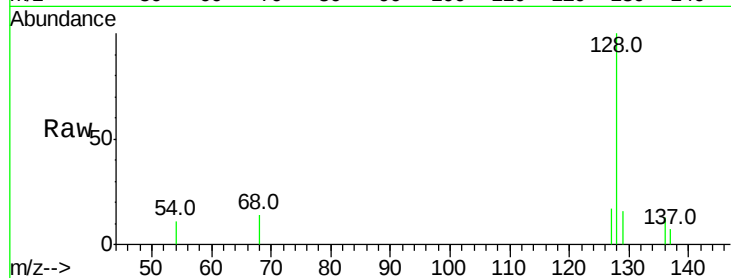
Tot Ion:128 Resp: 3451

Ion Ratio Lower Upper

128 100

129 16.5 9.0 13.6#

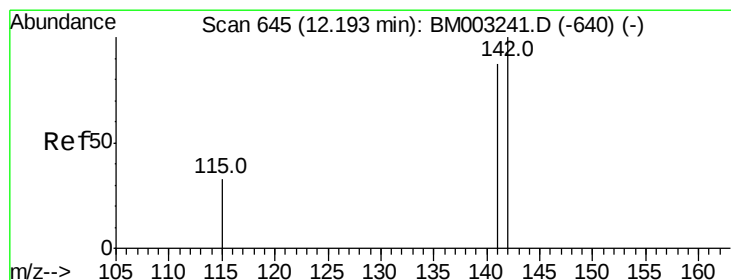
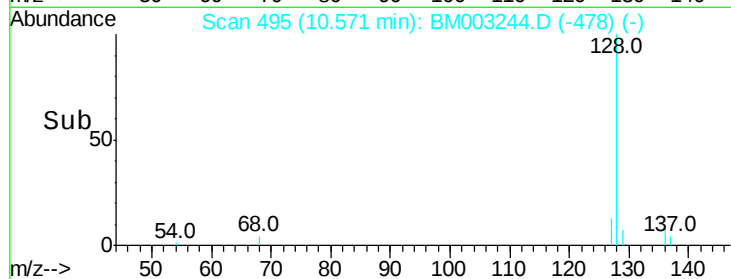
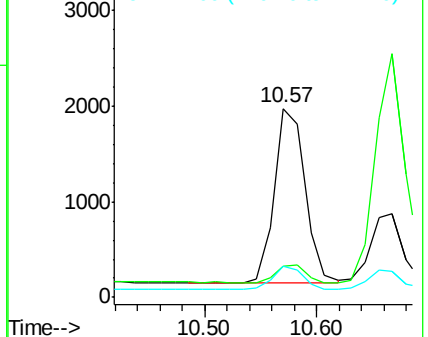
127 16.7 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003244.D

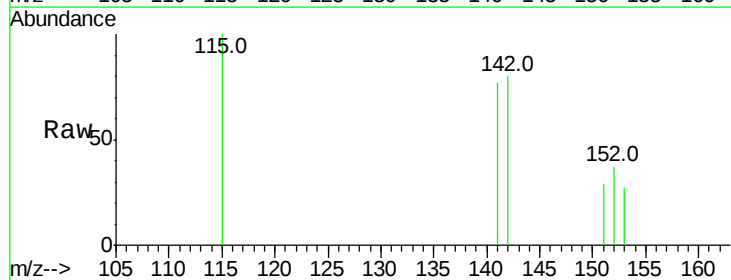
Acq: 21 Nov 2015 12:07

Tgt Ion:142 Resp: 239

Ion Ratio Lower Upper

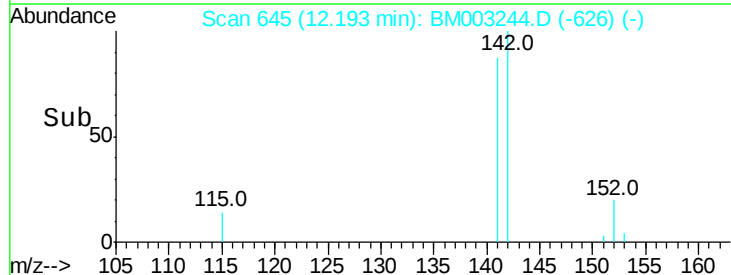
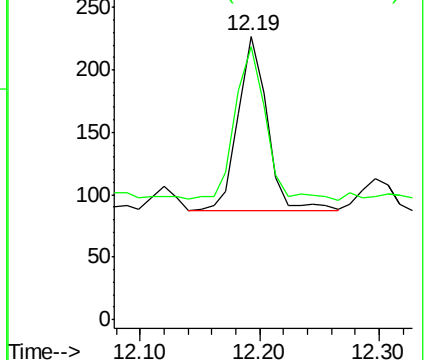
142 100

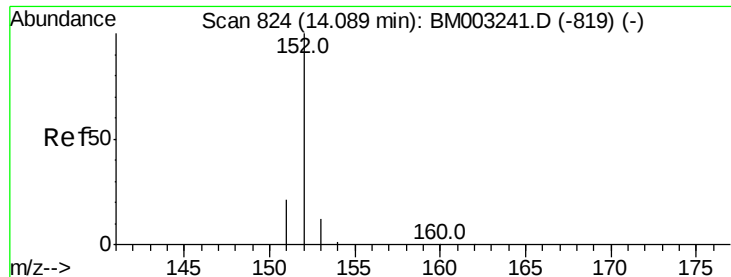
141 91.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

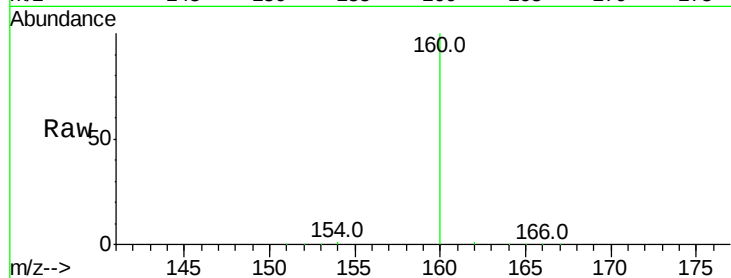
Tot Ion:152 Resp: 568

Ion Ratio Lower Upper

152 100

151 57.1 17.6 26.4#

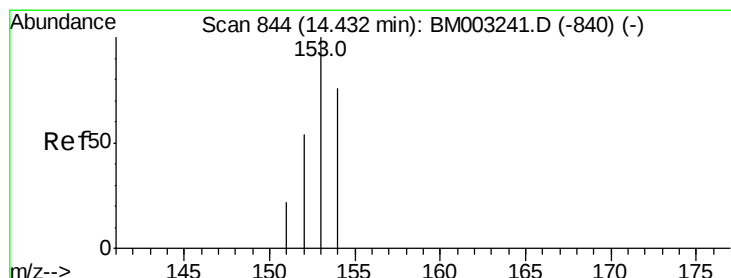
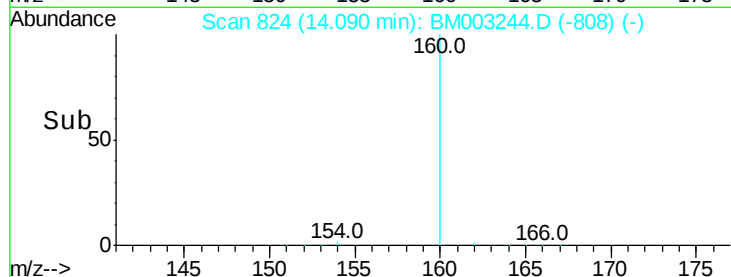
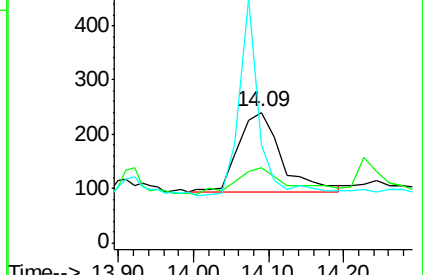
153 75.0 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.02 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

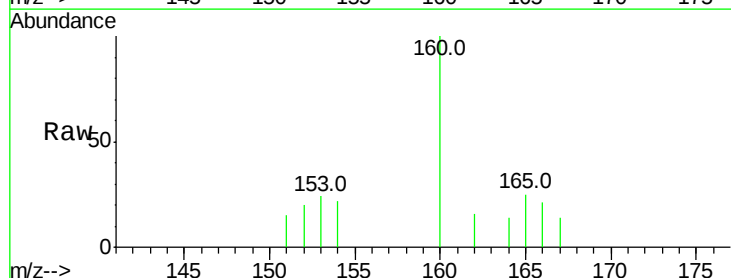
Tgt Ion:153 Resp: 242

Ion Ratio Lower Upper

153 100

152 84.6 33.9 50.9#

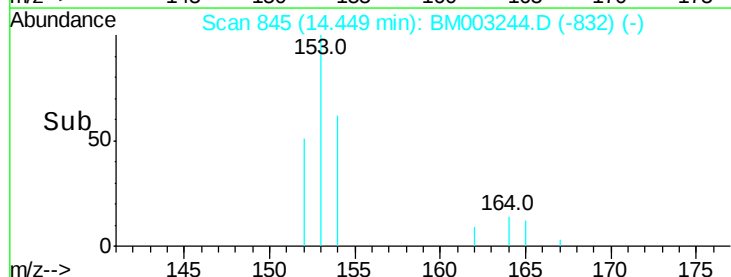
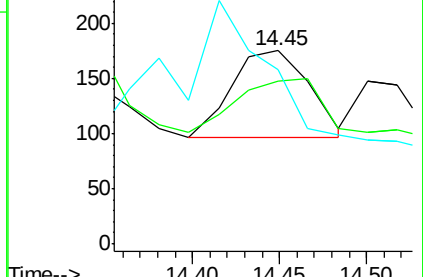
154 90.3 80.6 121.0

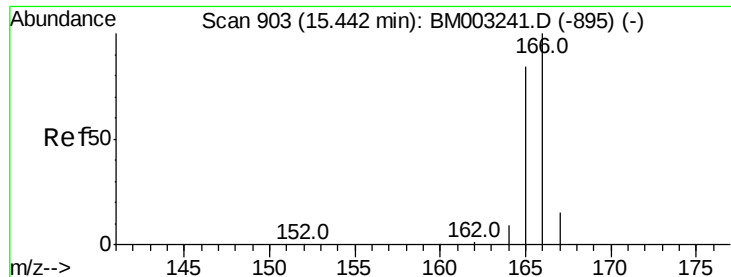


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

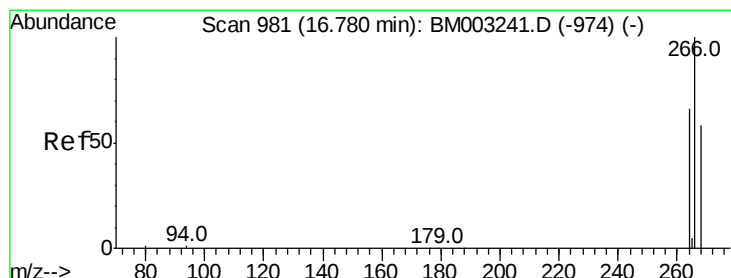
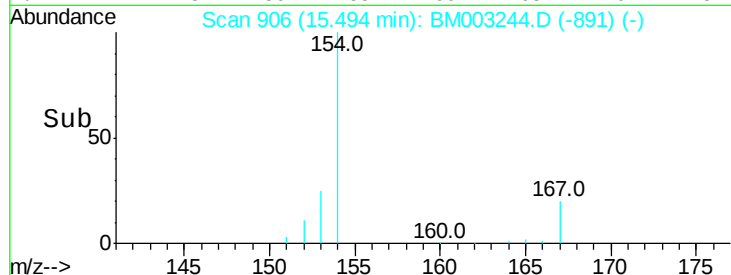
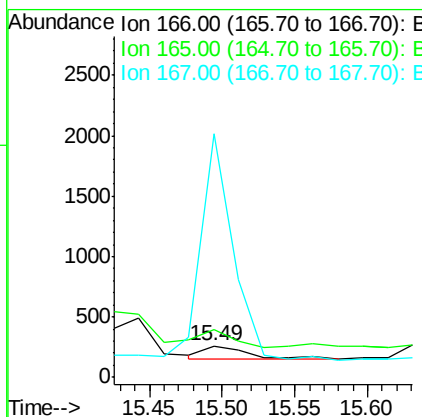
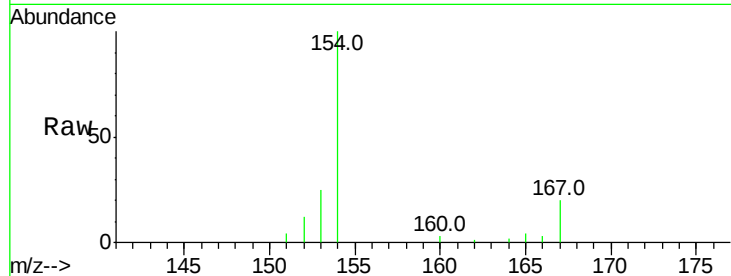




#11  
 Fluorene  
 Concen: 0.00 ng/ul  
 RT: 15.49 min Scan# 906  
 Delta R.T. 0.05 min  
 Lab File: BM003244.D  
 Acq: 21 Nov 2015 12:07

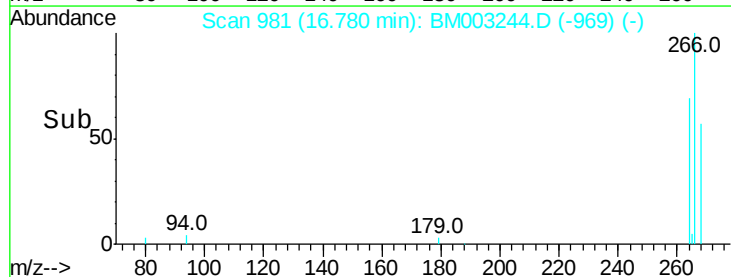
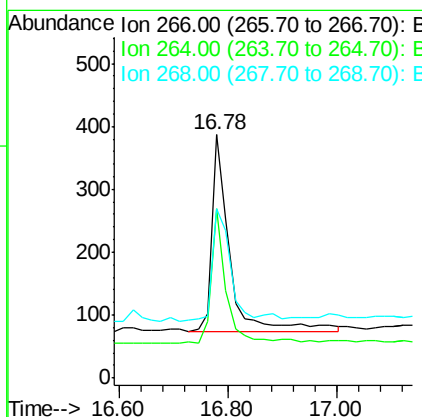
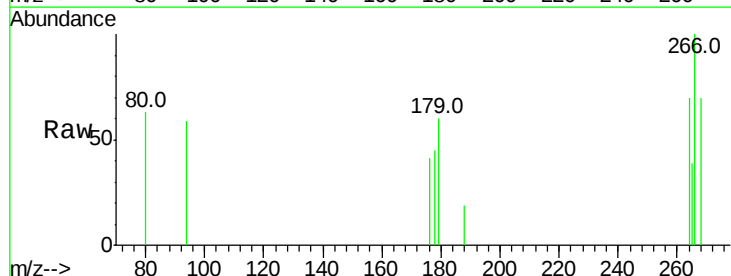
Instrument :  
 BNA\_M  
 ClientSampleId :

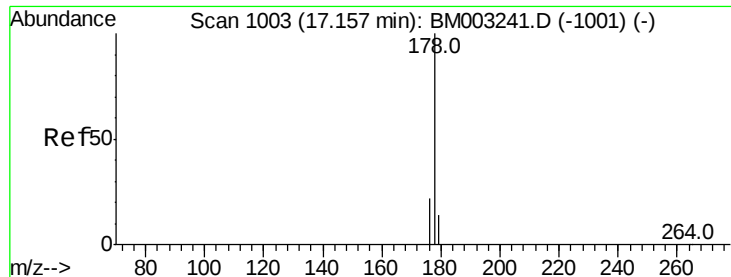
Tot Ion:166 Resp: 246  
 Ion Ratio Lower Upper  
 166 100  
 165 152.1 69.6 104.4#  
 167 766.2 11.9 17.9#



#13  
 Pentachlorophenol  
 Concen: 0.00 ng/ul  
 RT: 16.78 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: BM003244.D  
 Acq: 21 Nov 2015 12:07

Tgt Ion:266 Resp: 728  
 Ion Ratio Lower Upper  
 266 100  
 264 56.9 51.8 77.8  
 268 62.8 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

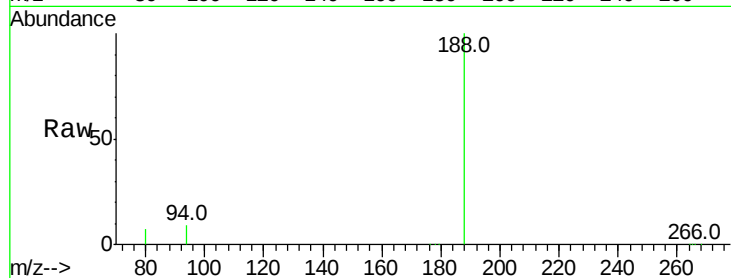
Tot Ion:178 Resp: 1643

Ion Ratio Lower Upper

178 100

176 16.1 13.0 19.4

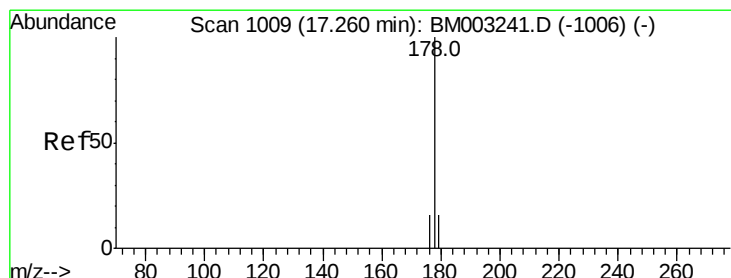
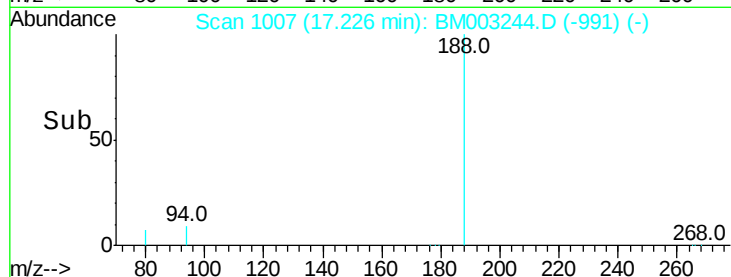
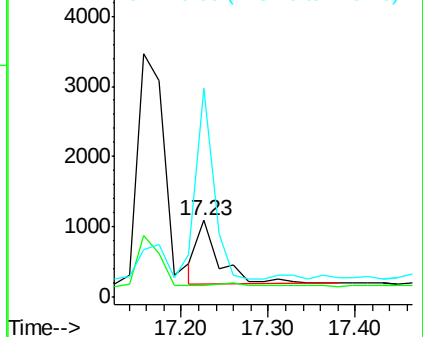
179 271.5 14.2 21.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

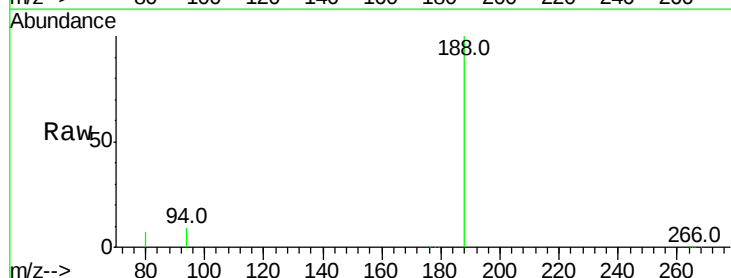
Tgt Ion:178 Resp: 1555

Ion Ratio Lower Upper

178 100

176 16.1 14.0 21.0

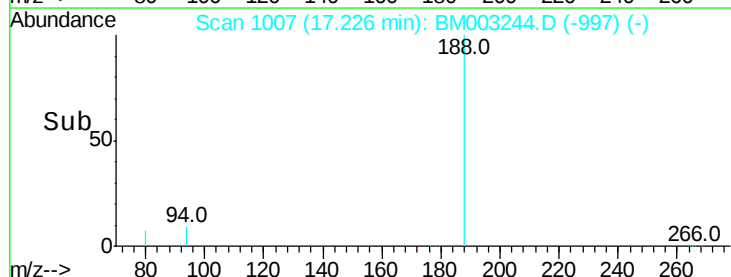
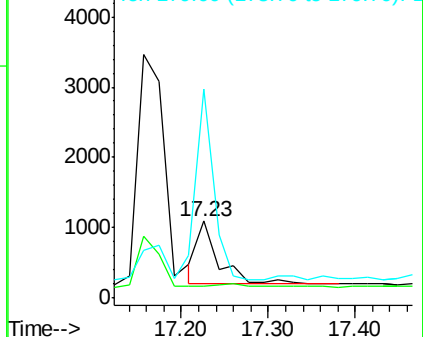
179 271.5 12.9 19.3#

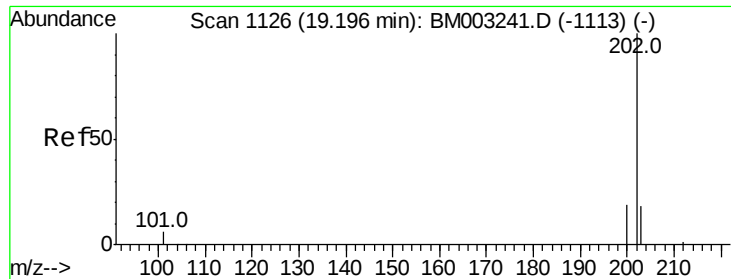


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

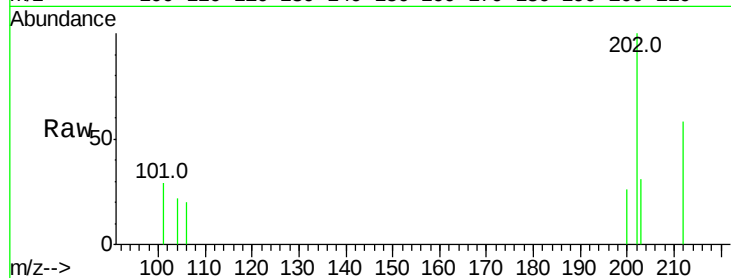
Tot Ion:202 Resp: 1447

Ion Ratio Lower Upper

202 100

101 29.1 0.0 29.6

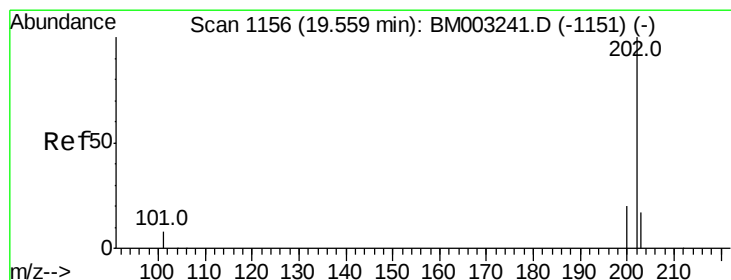
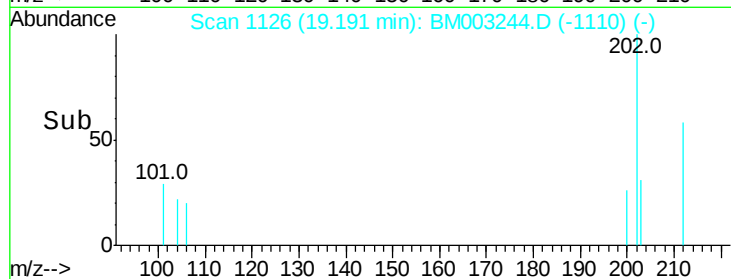
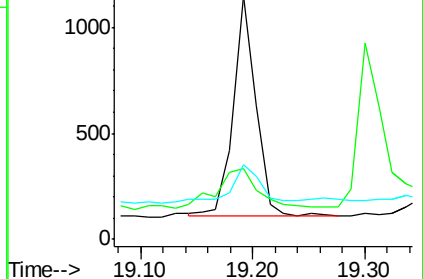
203 30.9 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

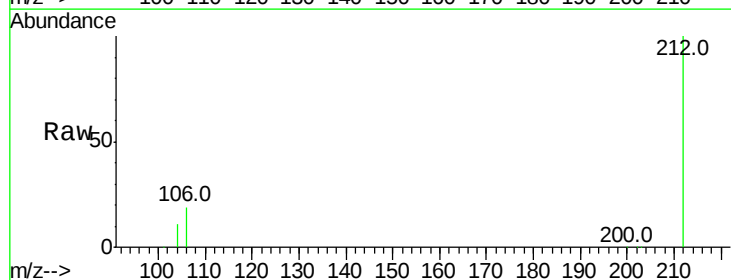
Tgt Ion:202 Resp: 6560

Ion Ratio Lower Upper

202 100

200 4.9 17.8 26.8#

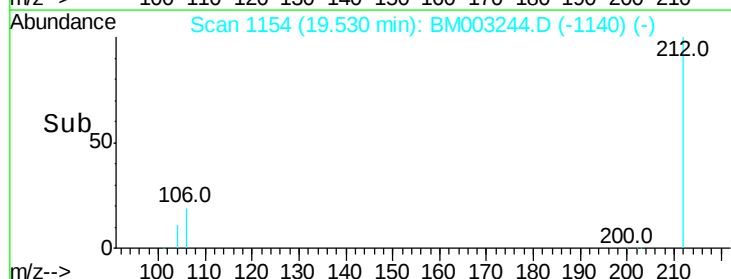
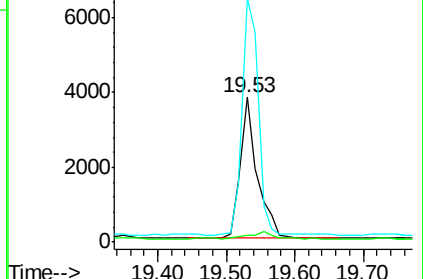
203 168.5 12.8 19.2#

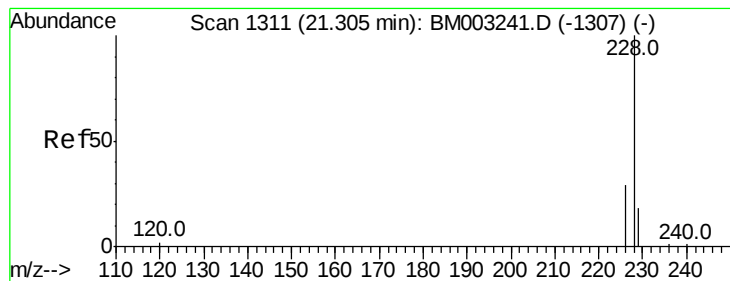


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

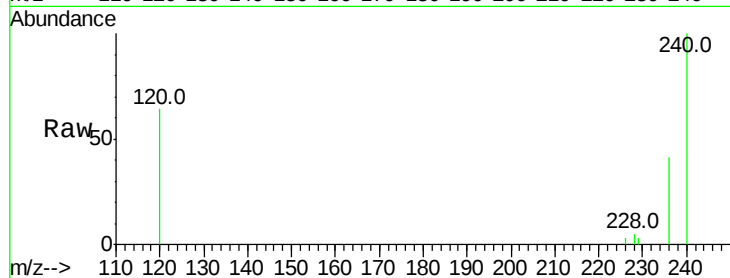
Tot Ion:228 Resp: 556

Ion Ratio Lower Upper

228 100

226 61.5 18.8 28.2#

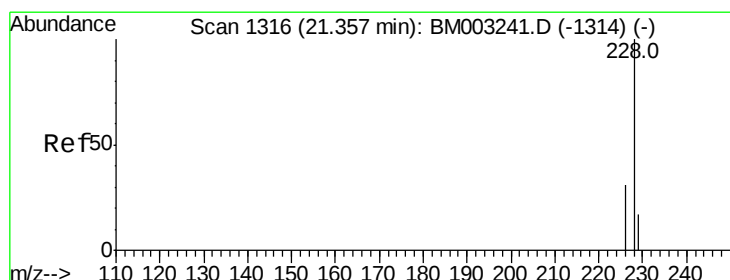
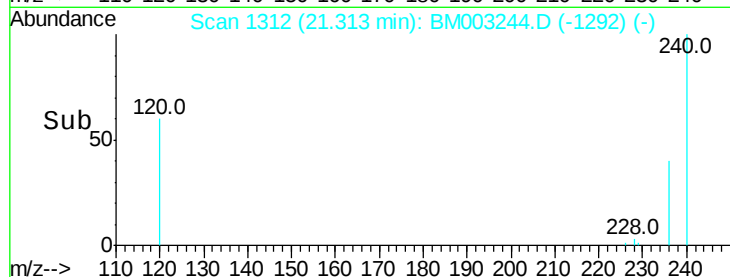
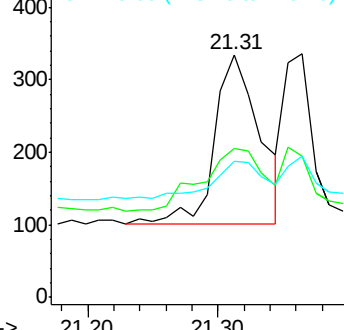
229 56.1 17.1 25.7#



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

Chrysene

Concen: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

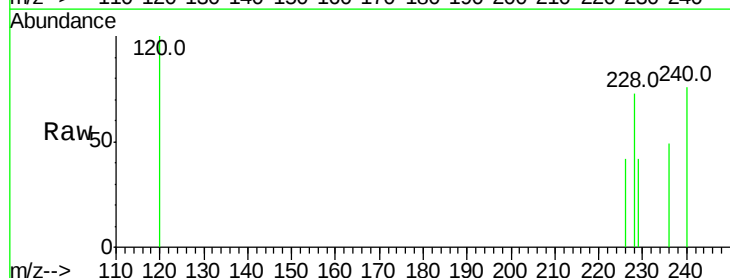
Tgt Ion:228 Resp: 328

Ion Ratio Lower Upper

228 100

226 58.0 21.2 31.8#

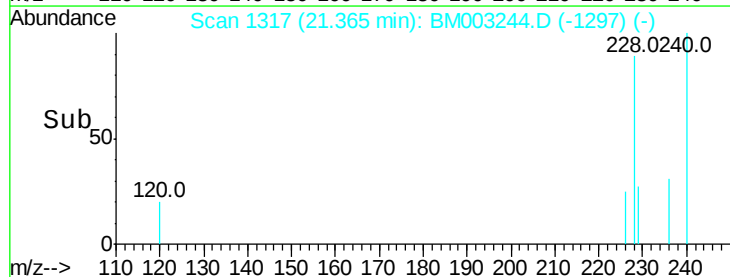
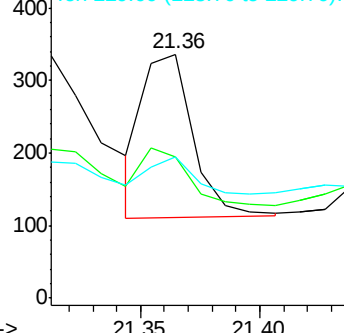
229 58.0 17.0 25.6#

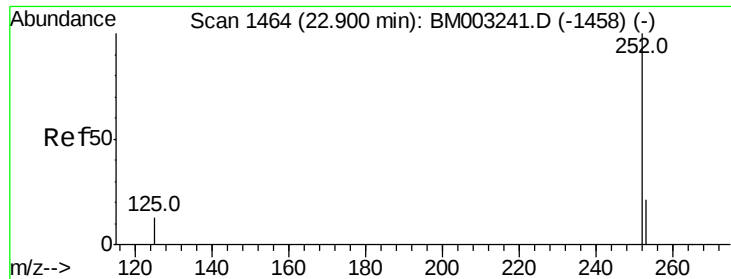


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.69 min Scan# 1444

Delta R.T. -0.21 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

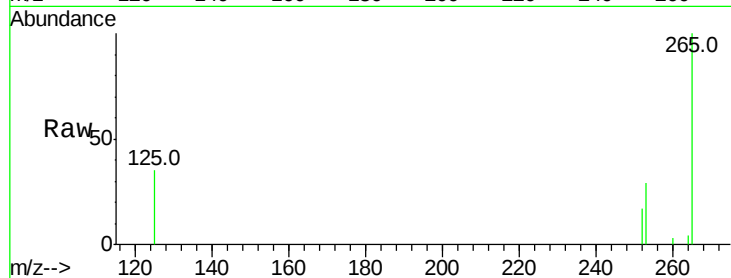
Tot Ion:252 Resp: 39

Ion Ratio Lower Upper

252 100

253 176.5 0.0 45.4#

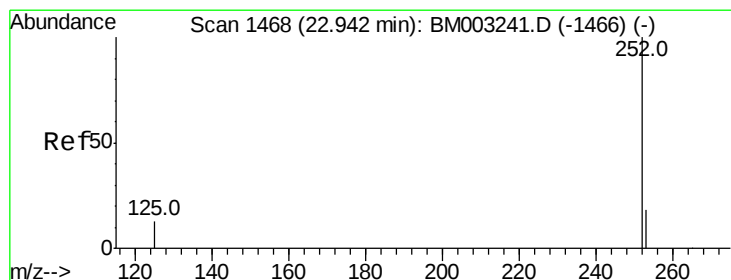
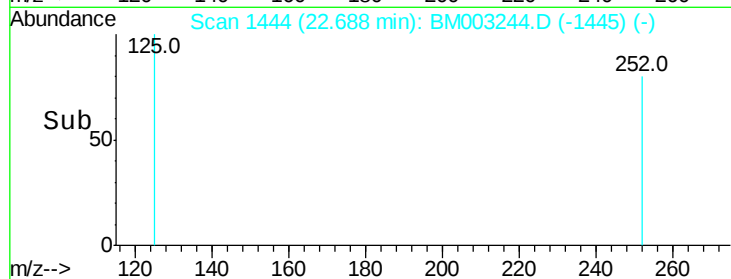
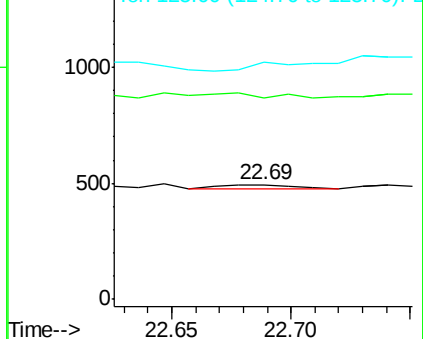
125 207.5 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.83 min Scan# 1458

Delta R.T. -0.11 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

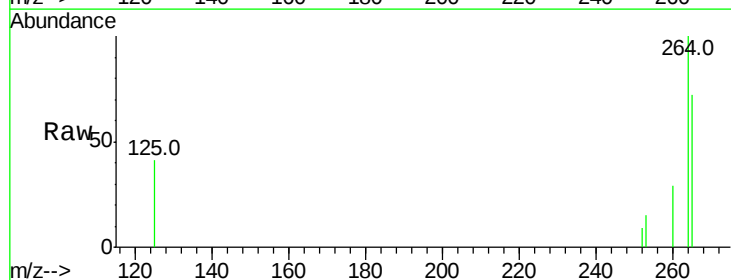
Tgt Ion:252 Resp: 211

Ion Ratio Lower Upper

252 100

253 169.7 19.8 29.8#

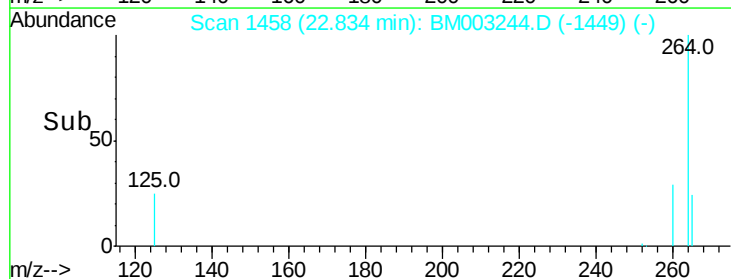
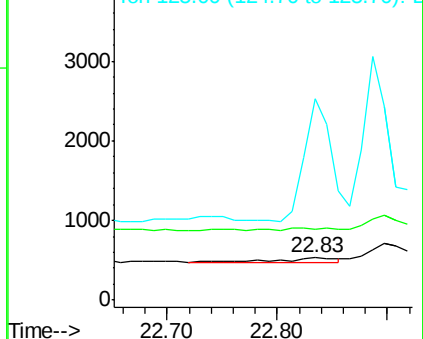
125 479.5 10.4 15.6#

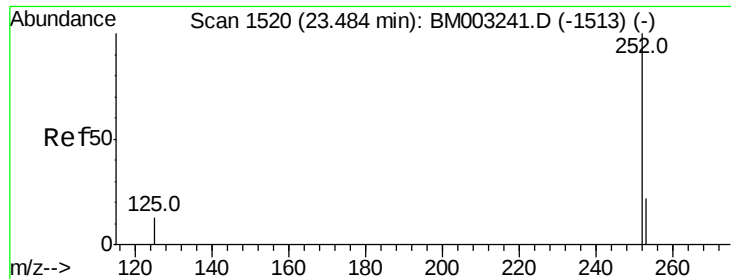


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :

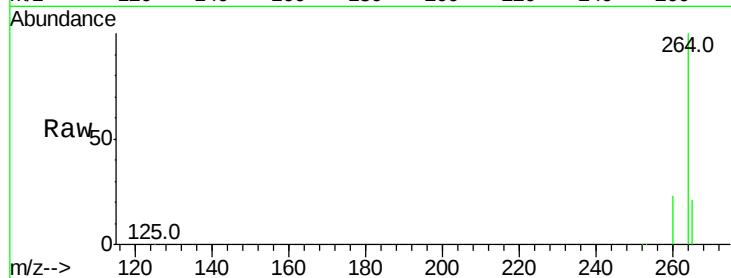
Tot Ion:252 Resp: 13306

Ion Ratio Lower Upper

252 100

253 36.2 19.4 29.2#

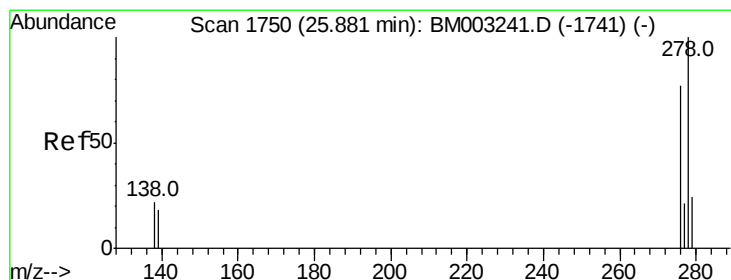
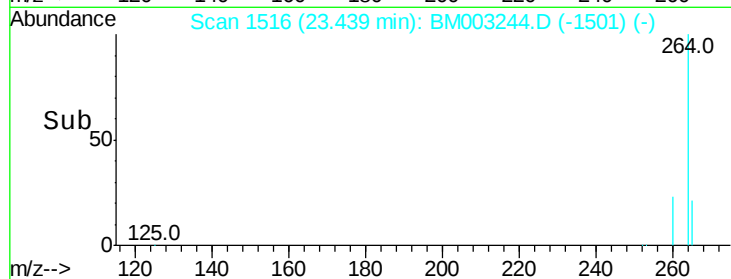
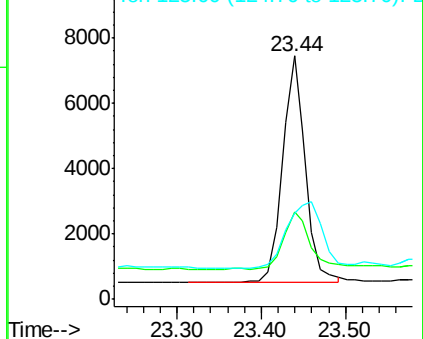
125 35.5 12.7 19.1#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.67 min Scan# 1730

Delta R.T. -0.21 min

Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

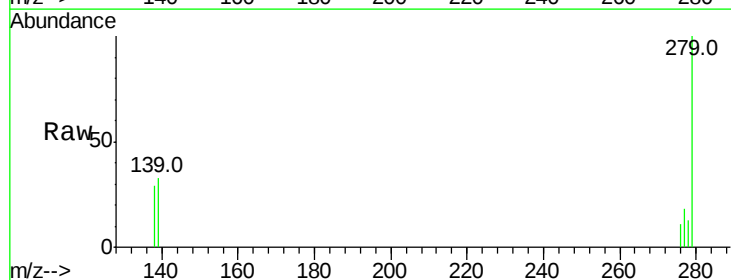
Tgt Ion:278 Resp: 36

Ion Ratio Lower Upper

278 100

139 264.8 16.4 24.6#

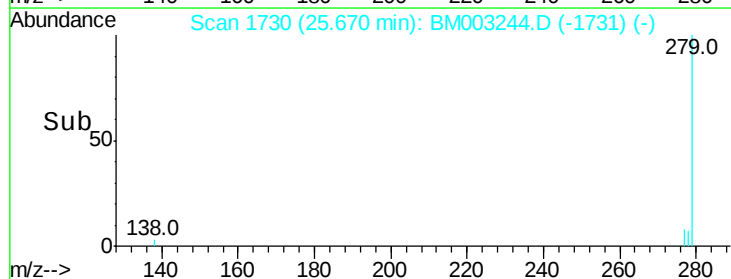
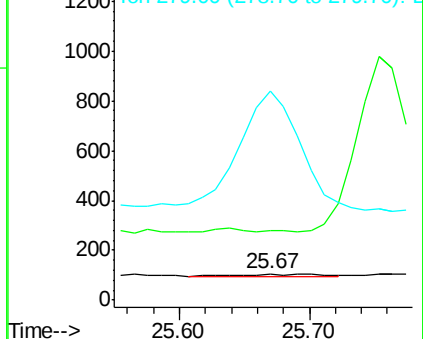
279 797.1 20.2 30.2#

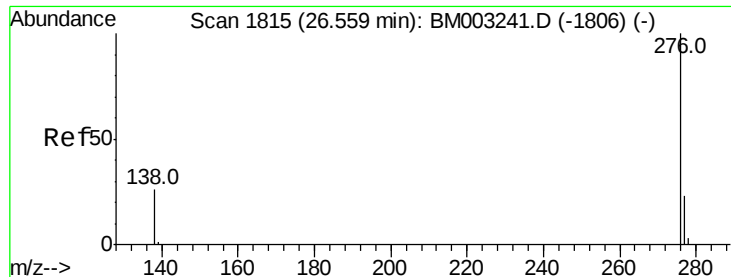


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.41 min Scan# 1801

Delta R.T. -0.15 min

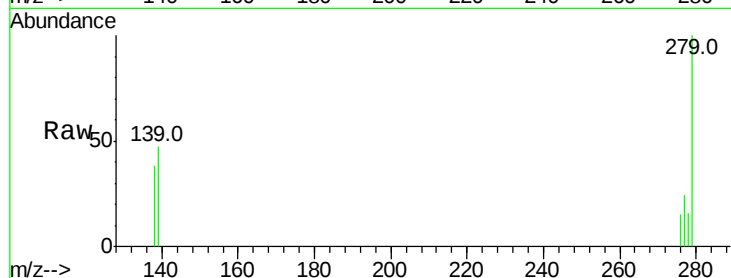
Lab File: BM003244.D

Acq: 21 Nov 2015 12:07

Instrument :

BNA\_M

ClientSampleId :



Tot Ion: 276 Resp: 25

Ion Ratio Lower Upper

276 100

277 157.9 18.9 28.3#

138 251.6 22.5 33.7#

