

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM031915\  
 Data File : BM000734.D  
 Acq On : 19 Mar 2015 19:01  
 Operator : TP/IZ  
 Sample : G1452-03DL 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X1K75DL

Quant Time: Mar 20 01:12:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM031915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 19 15:39:49 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 2508     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.41 | 136  | 8607     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.27 | 164  | 5046     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.02 | 188  | 9179     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.23 | 240  | 7720     | 0.40 | ng/ul | 0.01     |
| 20) Perylene-d12          | 23.42 | 264  | 7158     | 0.40 | ng/ul | 0.00     |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152 | 1793 | 0.18 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.07 | 212 | 3312 | 0.18 | ng/ul | 0.00 |

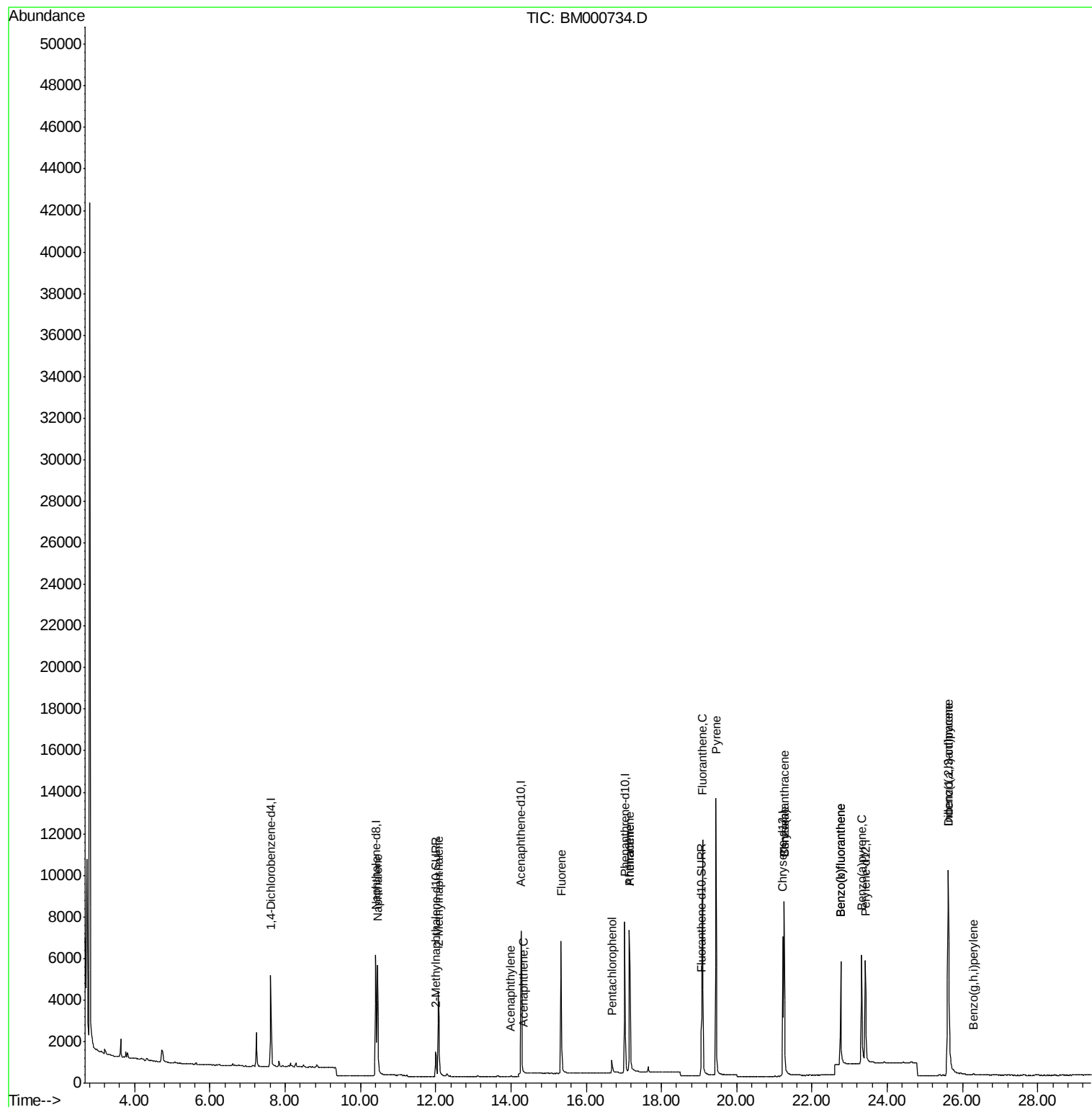
|                            |       |     |       |        |        |     |
|----------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds           |       |     |       | Qvalue |        |     |
| 3) Naphthalene             | 10.46 | 128 | 7988  | 0.39   | ng/ul  | 99  |
| 5) 2-Methylnaphthalene     | 12.08 | 142 | 3538  | 0.27   | ng/ul  | 100 |
| 7) Acenaphthylene          | 14.00 | 152 | 42    | 0.00   | ng/ul# | 1   |
| 8) Acenaphthene            | 14.33 | 153 | 48    | 0.00   | ng/ul# | 75  |
| 9) Fluorene                | 15.34 | 166 | 5540  | 0.35   | ng/ul  | 98  |
| 11) Pentachlorophenol      | 16.68 | 266 | 564   | 0.49   | ng/ul  | 90  |
| 12) Phenanthrene           | 17.15 | 178 | 10361 | 0.42   | ng/ul  | 98  |
| 13) Anthracene             | 17.15 | 178 | 10586 | 0.49   | ng/ul  | 100 |
| 15) Fluoranthene           | 19.09 | 202 | 10991 | 0.40   | ng/ul  | 99  |
| 17) Pyrene                 | 19.45 | 202 | 12558 | 0.46   | ng/ul  | 99  |
| 18) Benzo(a)anthracene     | 21.26 | 228 | 8268  | 0.39   | ng/ul  | 96  |
| 19) Chrysene               | 21.26 | 228 | 8337  | 0.33   | ng/ul  | 92  |
| 21) Benzo(b)fluoranthene   | 22.76 | 252 | 7526  | 0.31   | ng/ul  | 96  |
| 22) Benzo(k)fluoranthene   | 22.76 | 252 | 7526  | 0.30   | ng/ul  | 96  |
| 23) Benzo(a)pyrene         | 23.31 | 252 | 8748  | 0.39   | ng/ul  | 98  |
| 24) Indeno(1,2,3-cd)pyrene | 25.62 | 276 | 4008  | 0.16   | ng/ul# | 61  |
| 25) Dibenzo(a,h)anthracene | 25.62 | 278 | 16958 | 0.81   | ng/ul  | 95  |
| 26) Benzo(g,h,i)perylene   | 26.28 | 276 | 98    | 0.00   | ng/ul# | 1   |

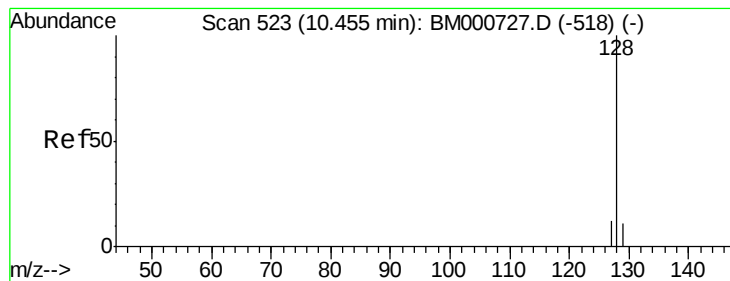
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 19 15:39:49 2015  
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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

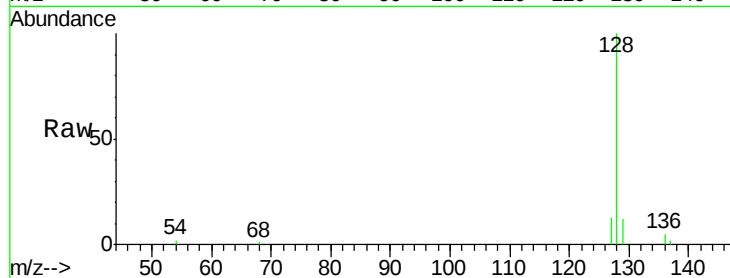
Tgt Ion:128 Resp: 7988

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

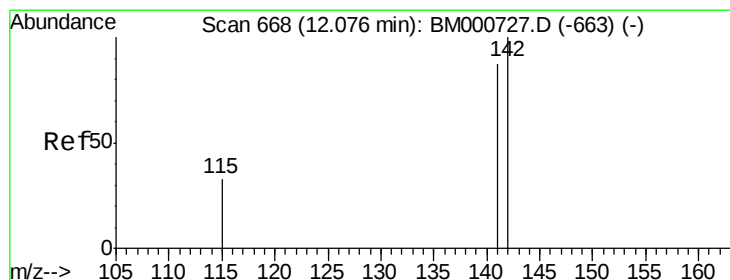
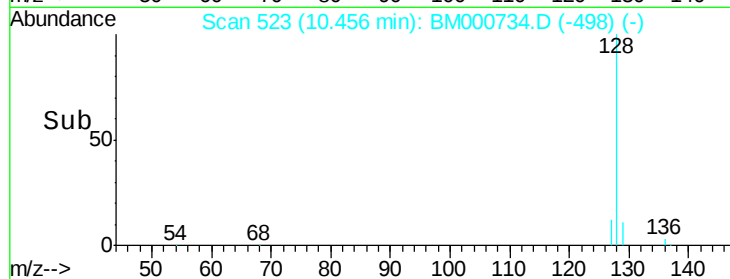
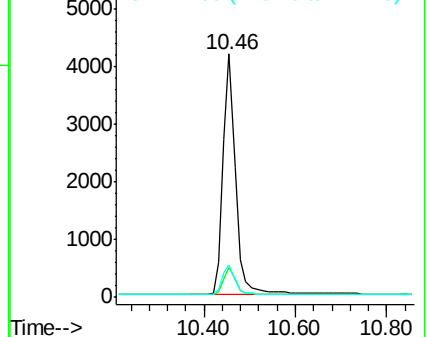
127 13.4 10.2 15.4



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



#5

2-Methylnaphthalene

Concen: 0.27 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000734.D

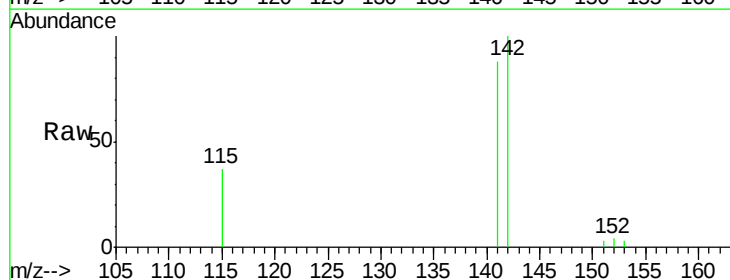
Acq: 19 Mar 2015 19:01

Tgt Ion:142 Resp: 3538

Ion Ratio Lower Upper

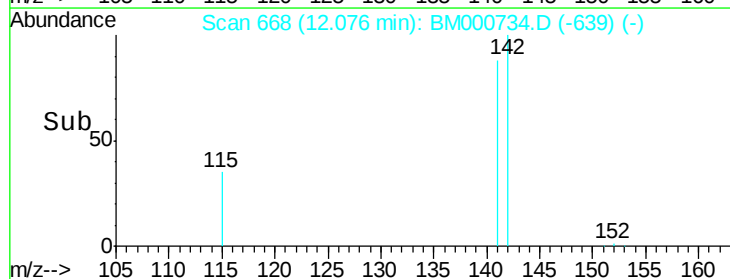
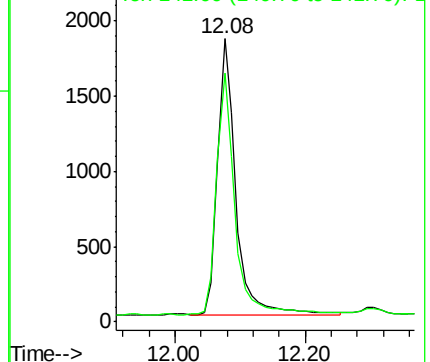
142 100

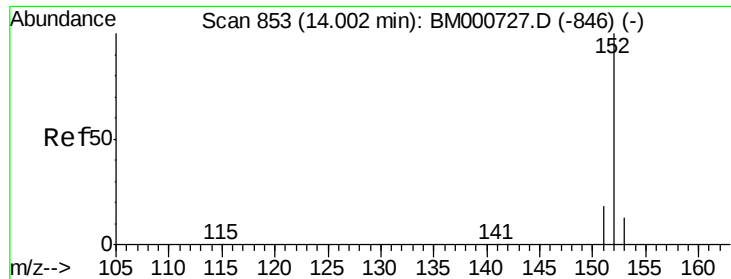
141 88.4 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

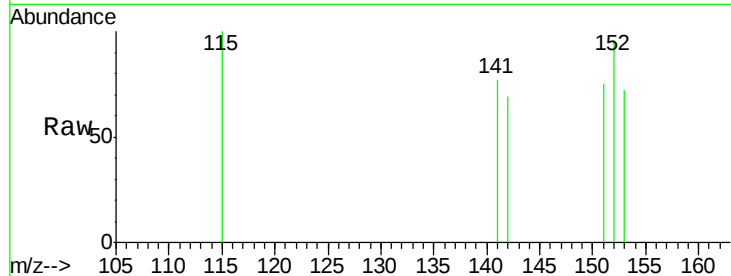
Tgt Ion:152 Resp: 42

Ion Ratio Lower Upper

152 100

151 77.9 15.2 22.8#

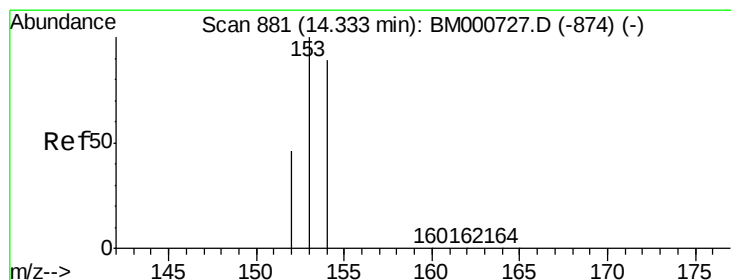
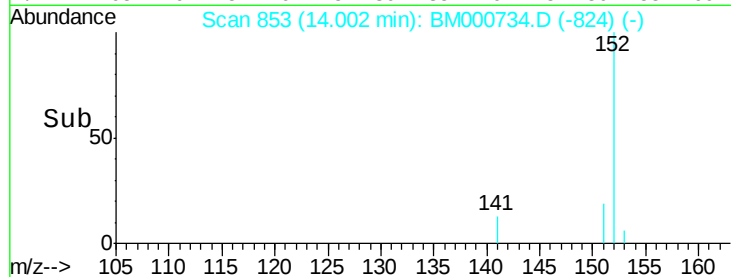
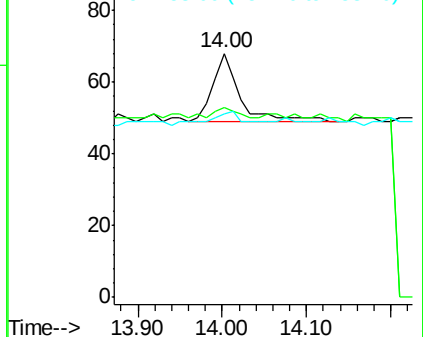
153 75.0 11.2 16.8#



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



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

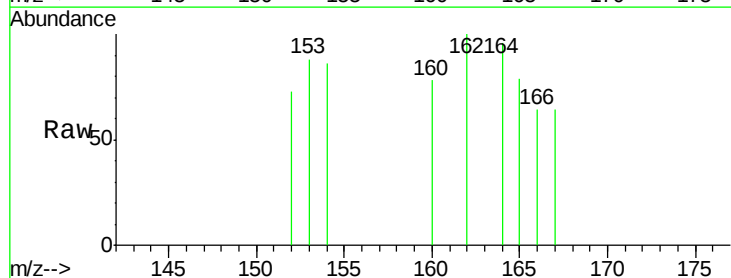
Tgt Ion:153 Resp: 48

Ion Ratio Lower Upper

153 100

152 82.9 37.8 56.6#

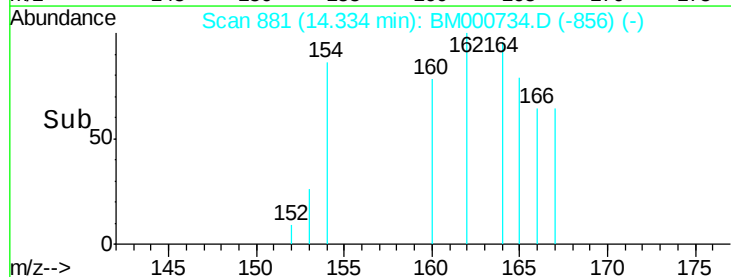
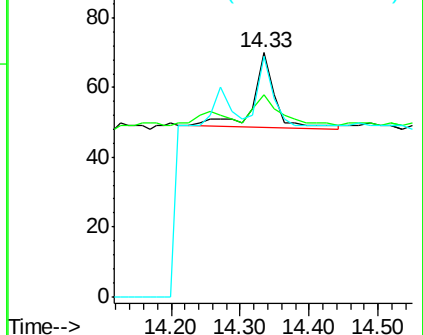
154 98.6 71.0 106.6

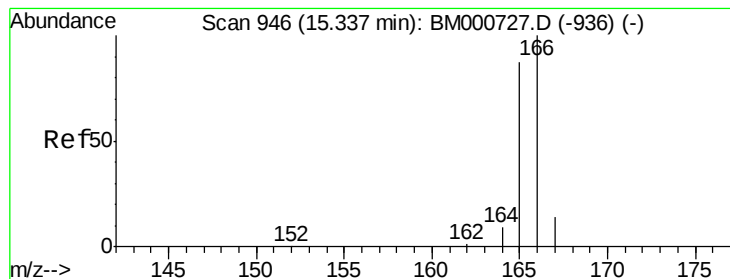


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.35 ng/ul

RT: 15.34 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

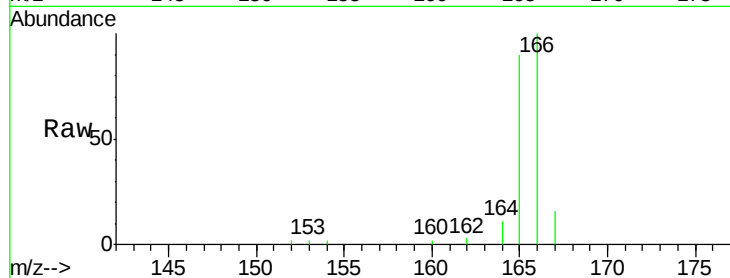
Tgt Ion:166 Resp: 5540

Ion Ratio Lower Upper

166 100

165 89.7 69.8 104.6

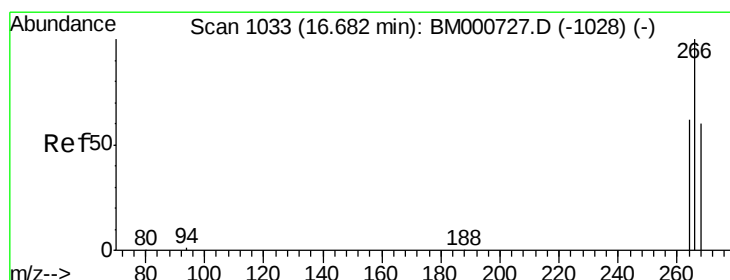
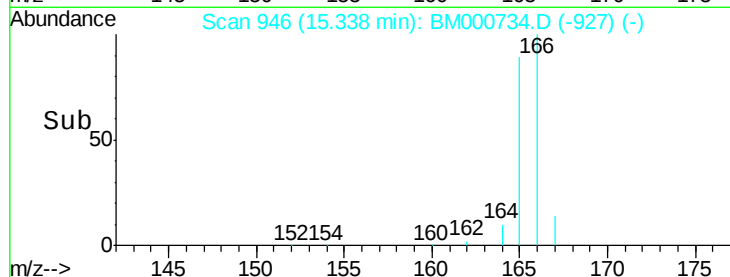
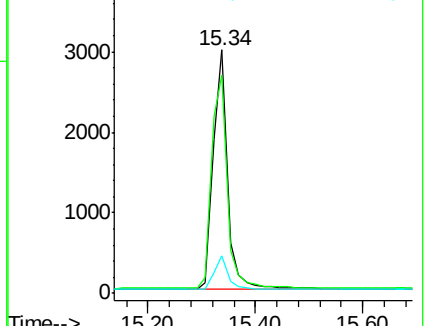
167 15.5 12.5 18.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.49 ng/ul

RT: 16.68 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

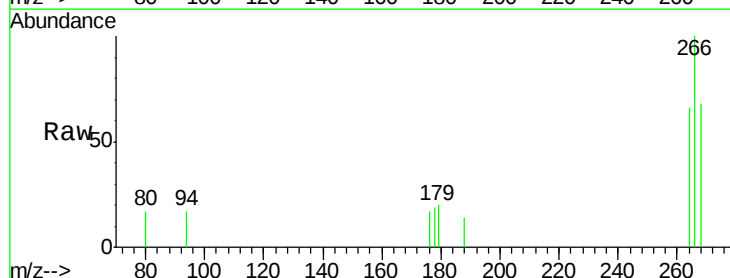
Tgt Ion:266 Resp: 564

Ion Ratio Lower Upper

266 100

264 68.4 47.8 71.8

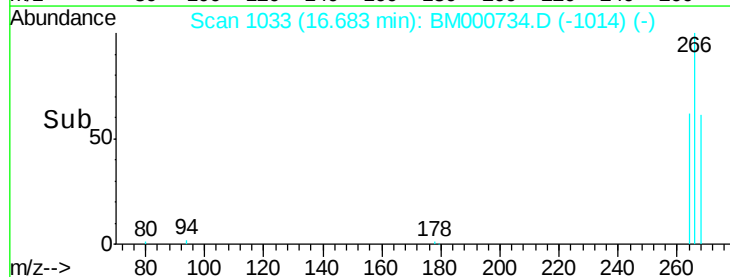
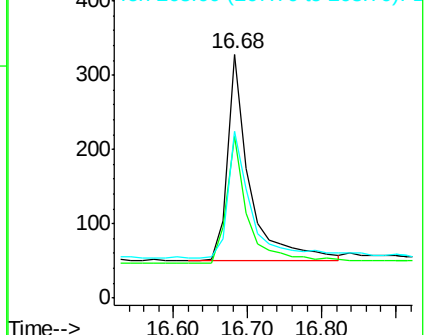
268 71.6 51.7 77.5

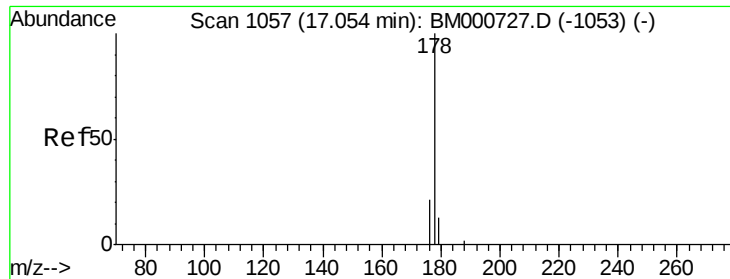


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.09 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

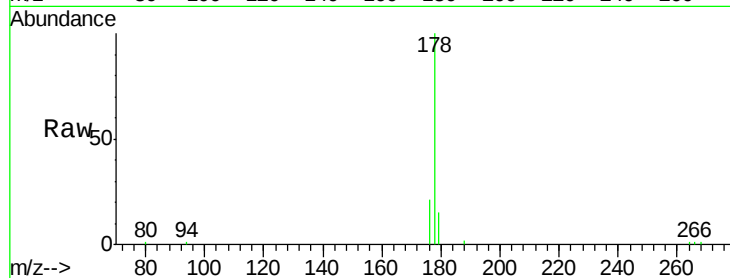
Tgt Ion:178 Resp: 10361

Ion Ratio Lower Upper

178 100

176 20.7 17.4 26.0

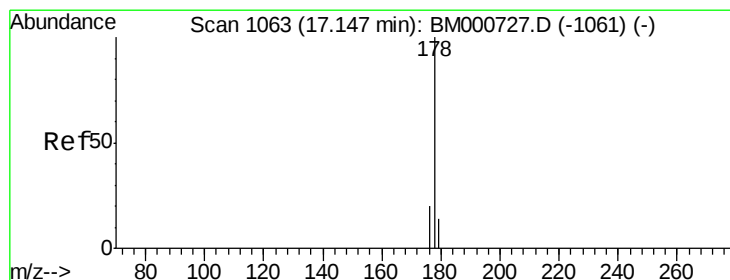
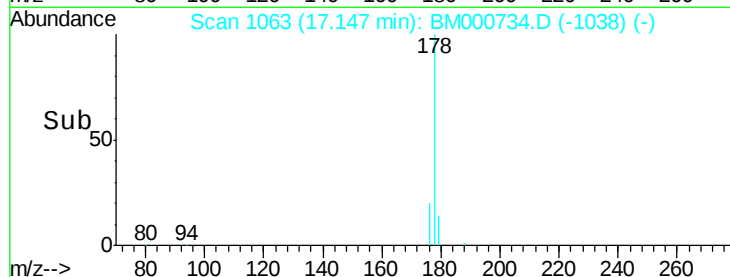
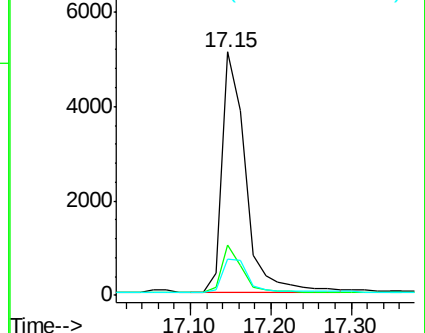
179 14.8 11.5 17.3



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



#13

Anthracene

Concen: 0.49 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

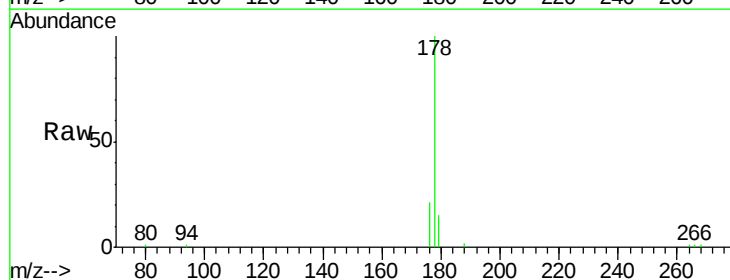
Tgt Ion:178 Resp: 10586

Ion Ratio Lower Upper

178 100

176 20.7 16.7 25.1

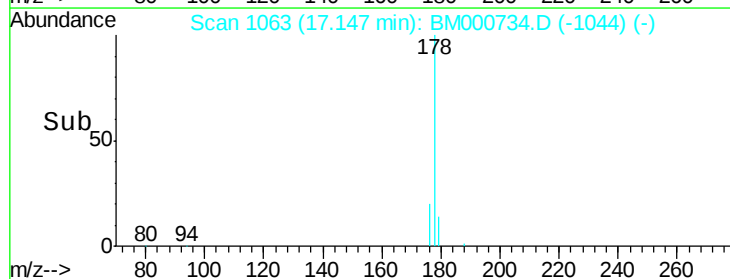
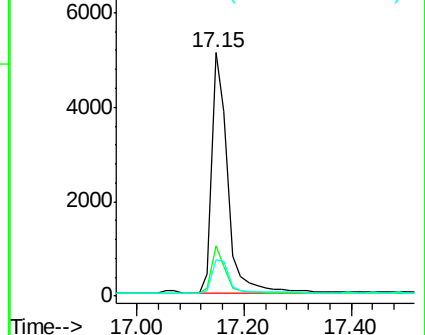
179 14.8 12.0 18.0

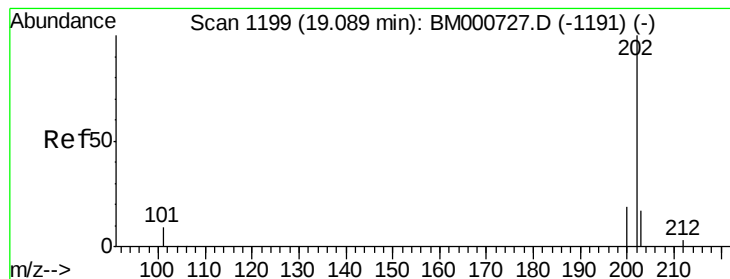


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

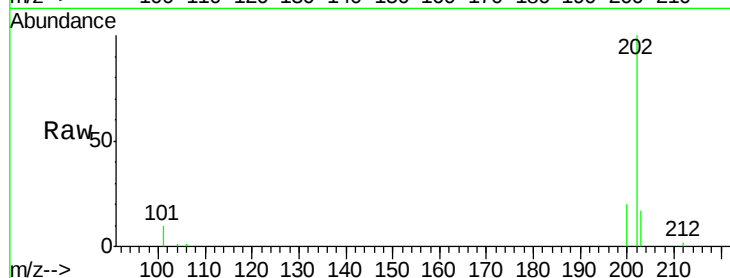
Tgt Ion:202 Resp: 10991

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.8

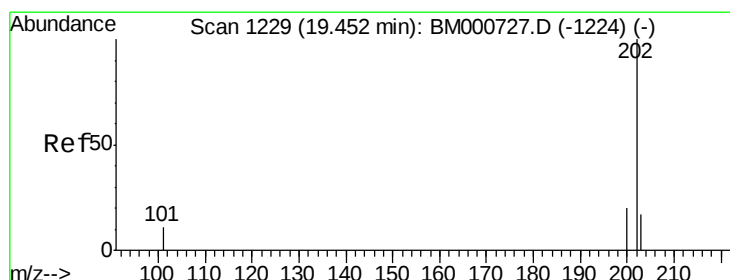
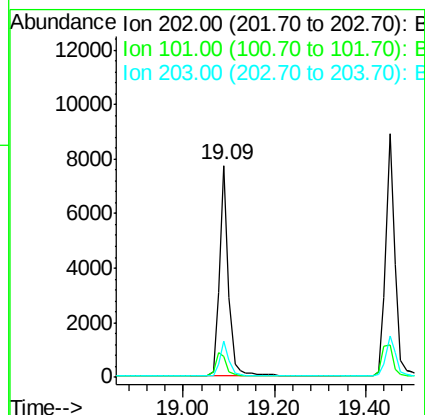
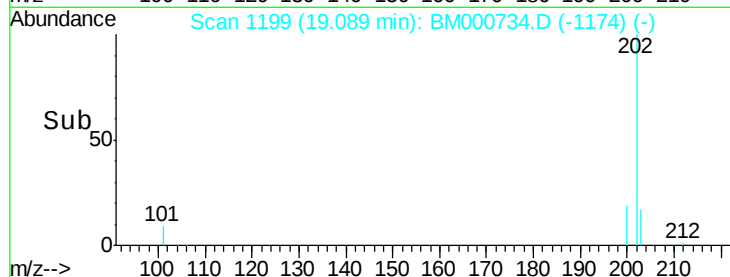
203 17.3 0.0 37.7



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



#17

Pyrene

Concen: 0.46 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

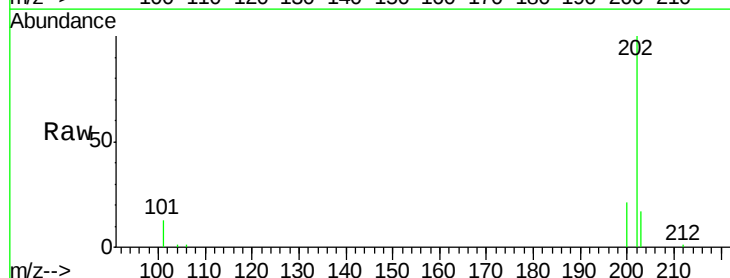
Tgt Ion:202 Resp: 12558

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

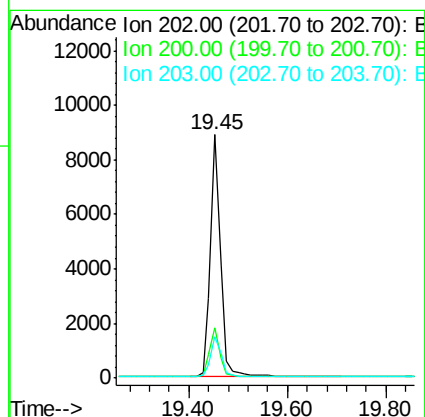
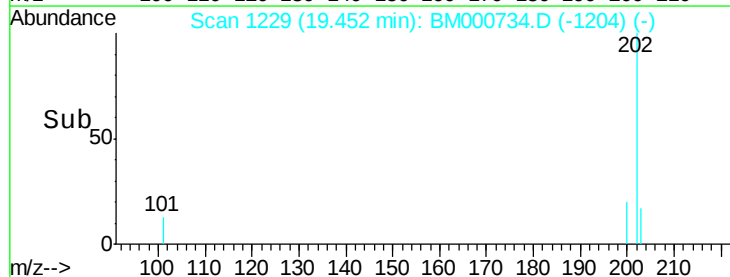
203 17.2 13.9 20.9

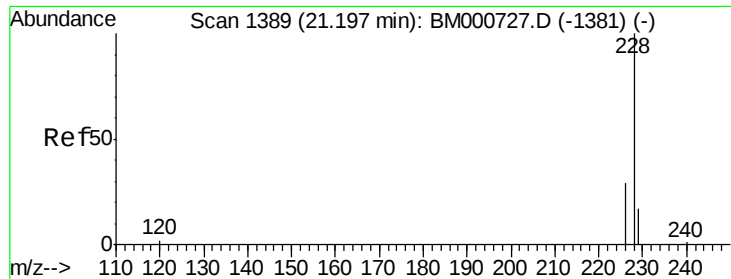


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.06 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

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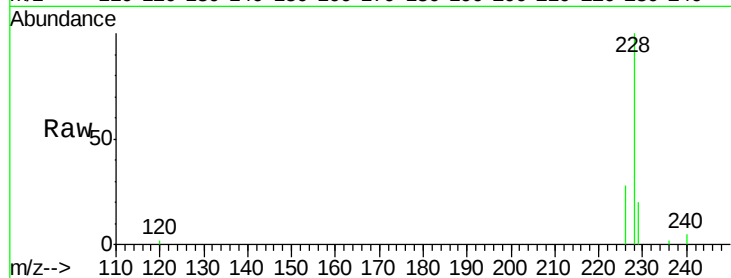
Tgt Ion:228 Resp: 8268

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

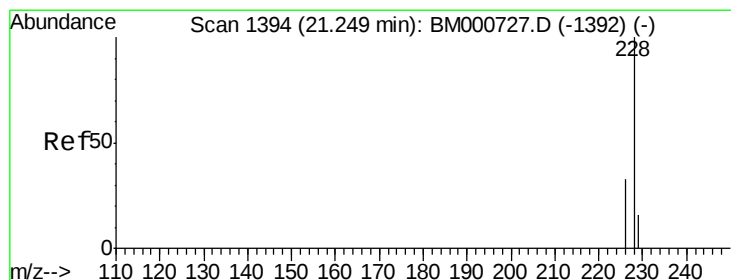
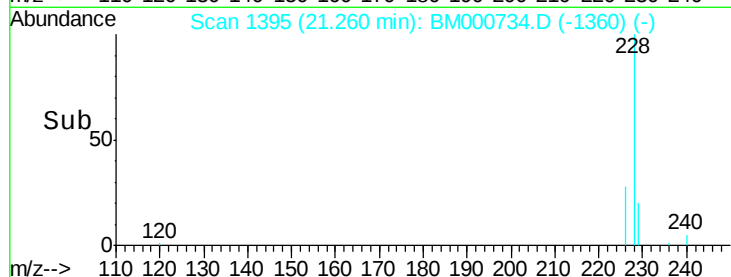
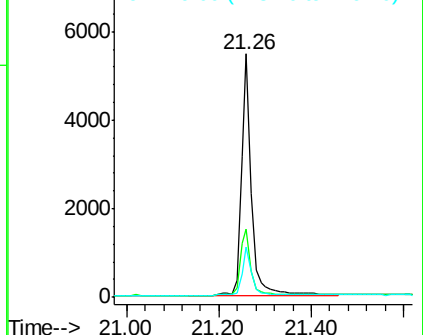
229 20.5 14.2 21.2



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: 0.33 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

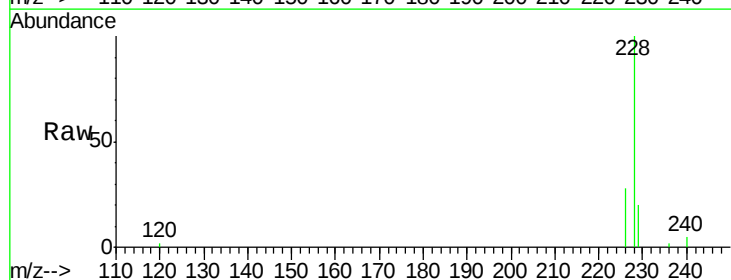
Tgt Ion:228 Resp: 8337

Ion Ratio Lower Upper

228 100

226 28.2 26.1 39.1

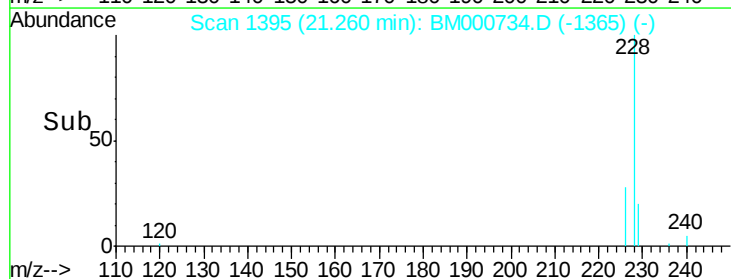
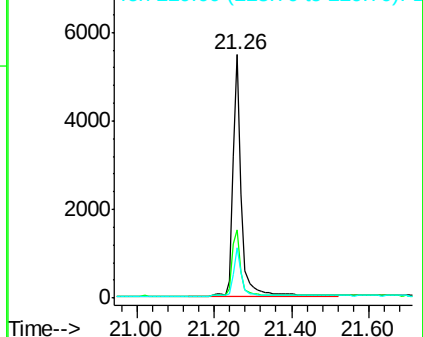
229 20.5 13.9 20.9

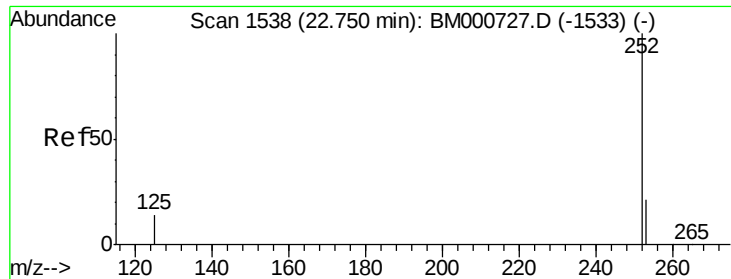


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.31 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

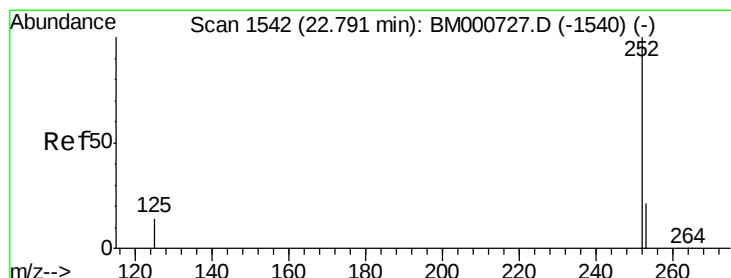
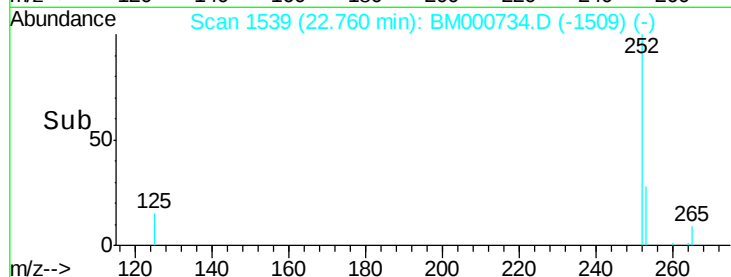
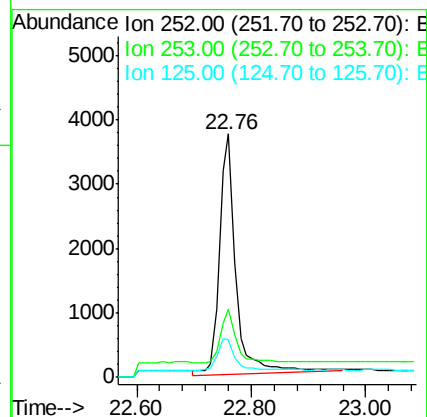
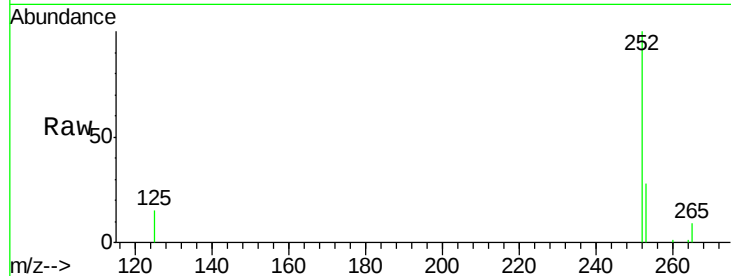
Tgt Ion:252 Resp: 7526

Ion Ratio Lower Upper

252 100

253 27.9 0.0 49.2

125 15.3 0.0 30.0



#22

Benzo(k)fluoranthene

Concen: 0.30 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. -0.03 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

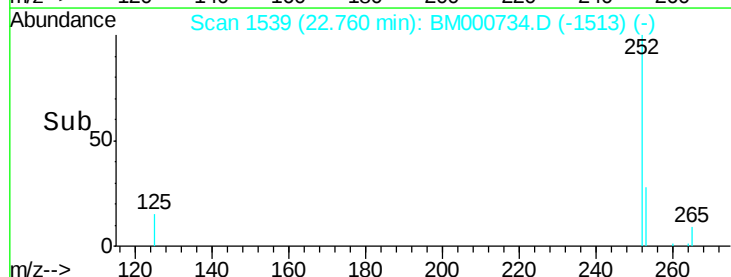
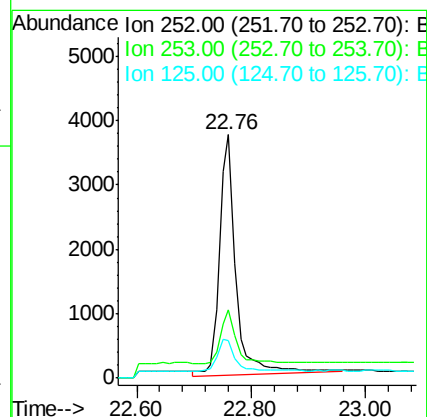
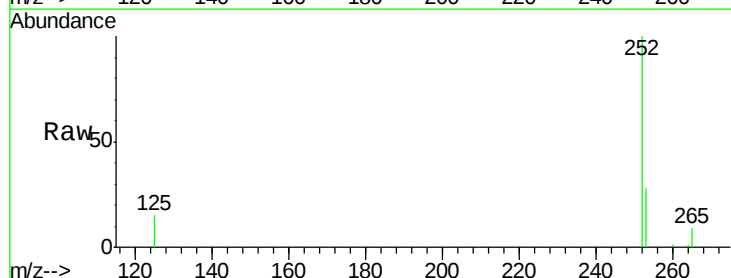
Tgt Ion:252 Resp: 7526

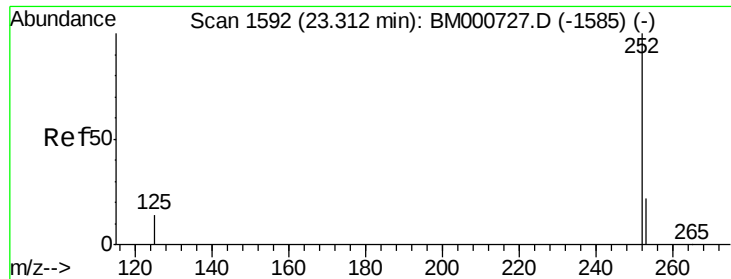
Ion Ratio Lower Upper

252 100

253 27.9 19.8 29.6

125 15.3 12.2 18.2





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

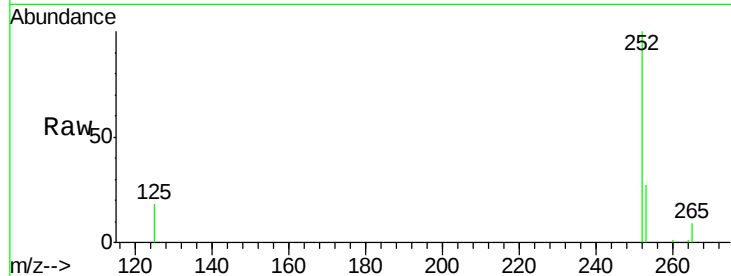
Tgt Ion:252 Resp: 8748

Ion Ratio Lower Upper

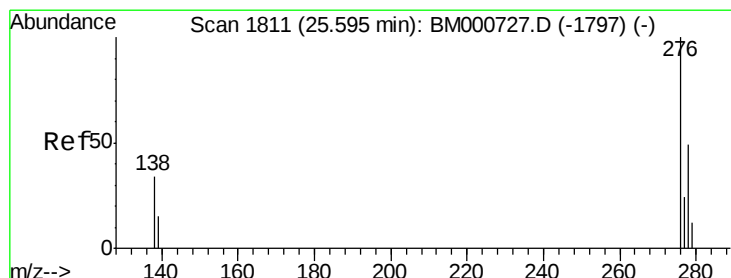
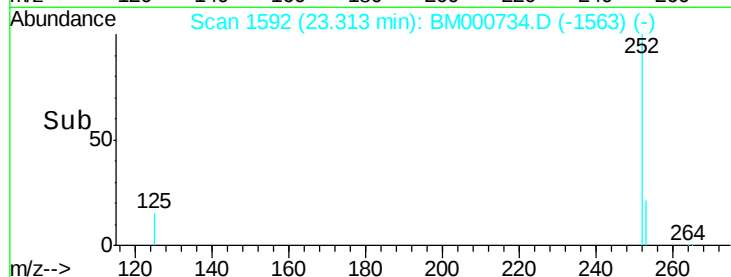
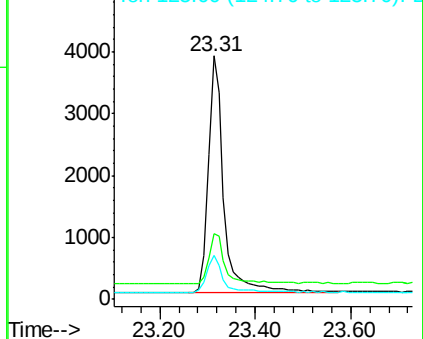
252 100

253 27.1 21.5 32.3

125 17.8 13.0 19.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

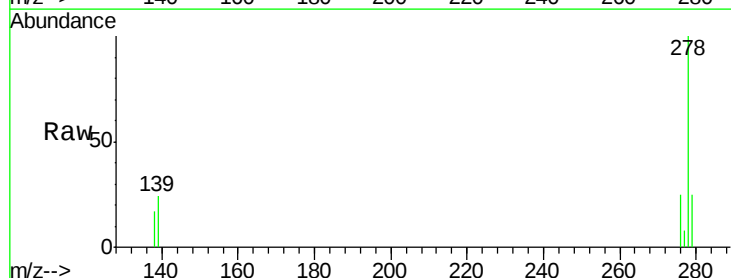
Tgt Ion:276 Resp: 4008

Ion Ratio Lower Upper

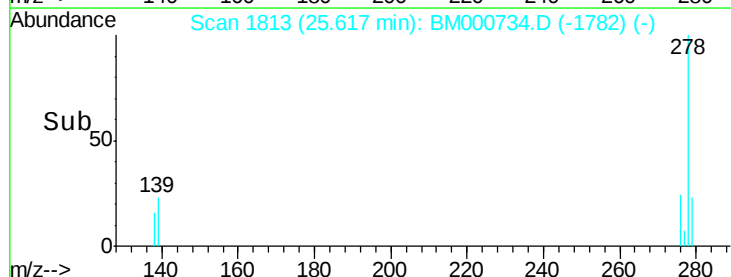
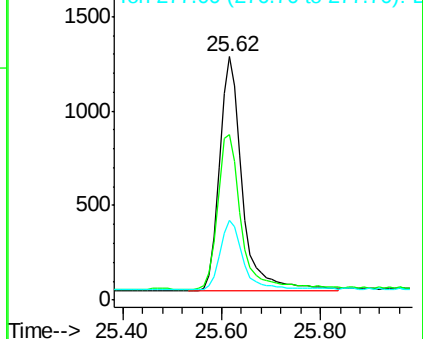
276 100

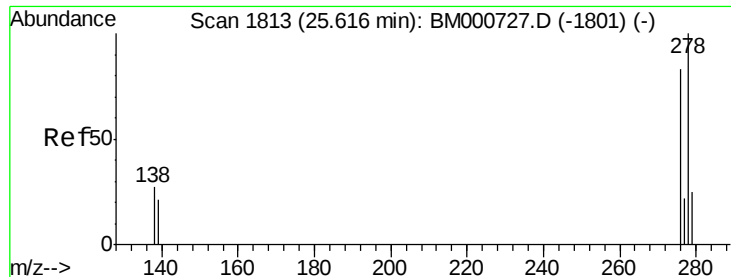
138 68.7 27.8 41.8#

277 30.3 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.81 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA\_M

ClientSampleId :

X1K75DL

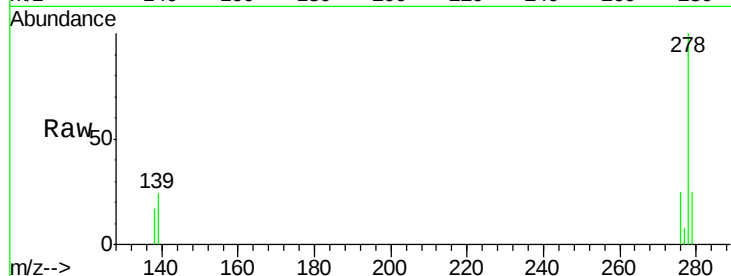
Tgt Ion: 278 Resp: 16958

Ion Ratio Lower Upper

278 100

139 24.4 18.1 27.1

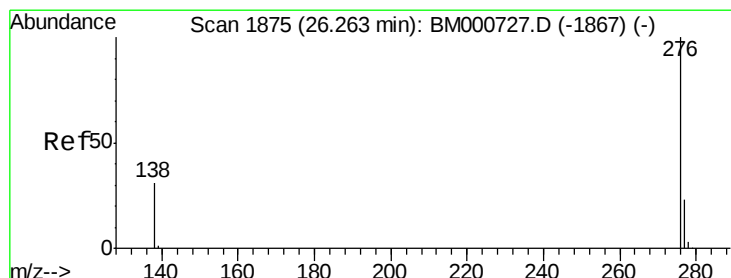
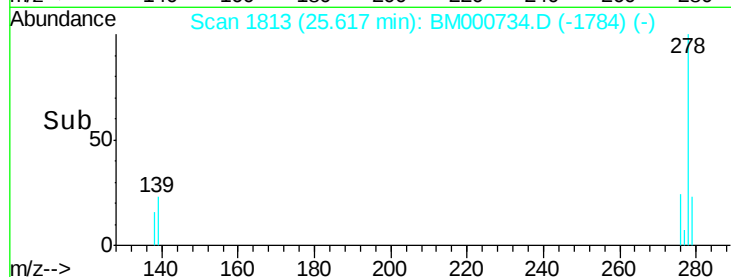
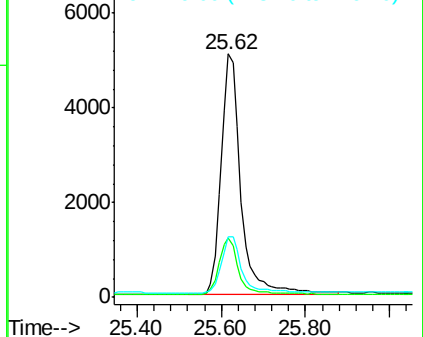
279 24.8 22.3 33.5



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



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.28 min Scan# 1877

Delta R.T. 0.02 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

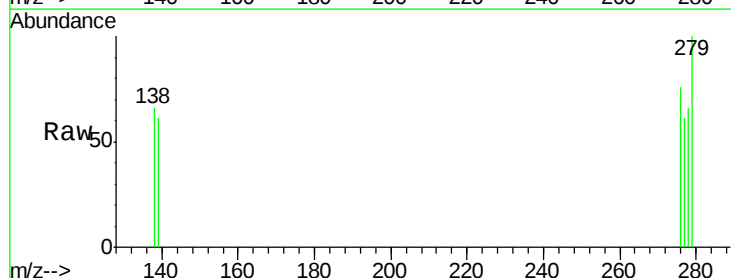
Tgt Ion: 276 Resp: 98

Ion Ratio Lower Upper

276 100

277 79.5 19.6 29.4#

138 85.9 25.6 38.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

