

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060315\  
 Data File : BM001551.D  
 Acq On : 04 Jun 2015 04:19  
 Operator : TP/IZ  
 Sample : PB83718BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

Quant Time: Jun 04 19:33:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 12:46:32 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 37981    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.49 | 136  | 139905   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.36 | 164  | 69369    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.10 | 188  | 99253    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.28 | 240  | 103688   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.53 | 264  | 83663    | 5.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 4) 2-Fluorophenol           | 5.28  | 112 | 89298  | 10.34 | ng | 0.00 |
| 5) Phenol-d6                | 6.86  | 99  | 119808 | 11.30 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.86  | 82  | 76421  | 7.67  | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 15.84 | 330 | 46587  | 16.08 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 12.97 | 172 | 151875 | 7.37  | ng | 0.00 |
| 27) Terphenyl-d14           | 19.73 | 244 | 102292 | 7.98  | ng | 0.00 |

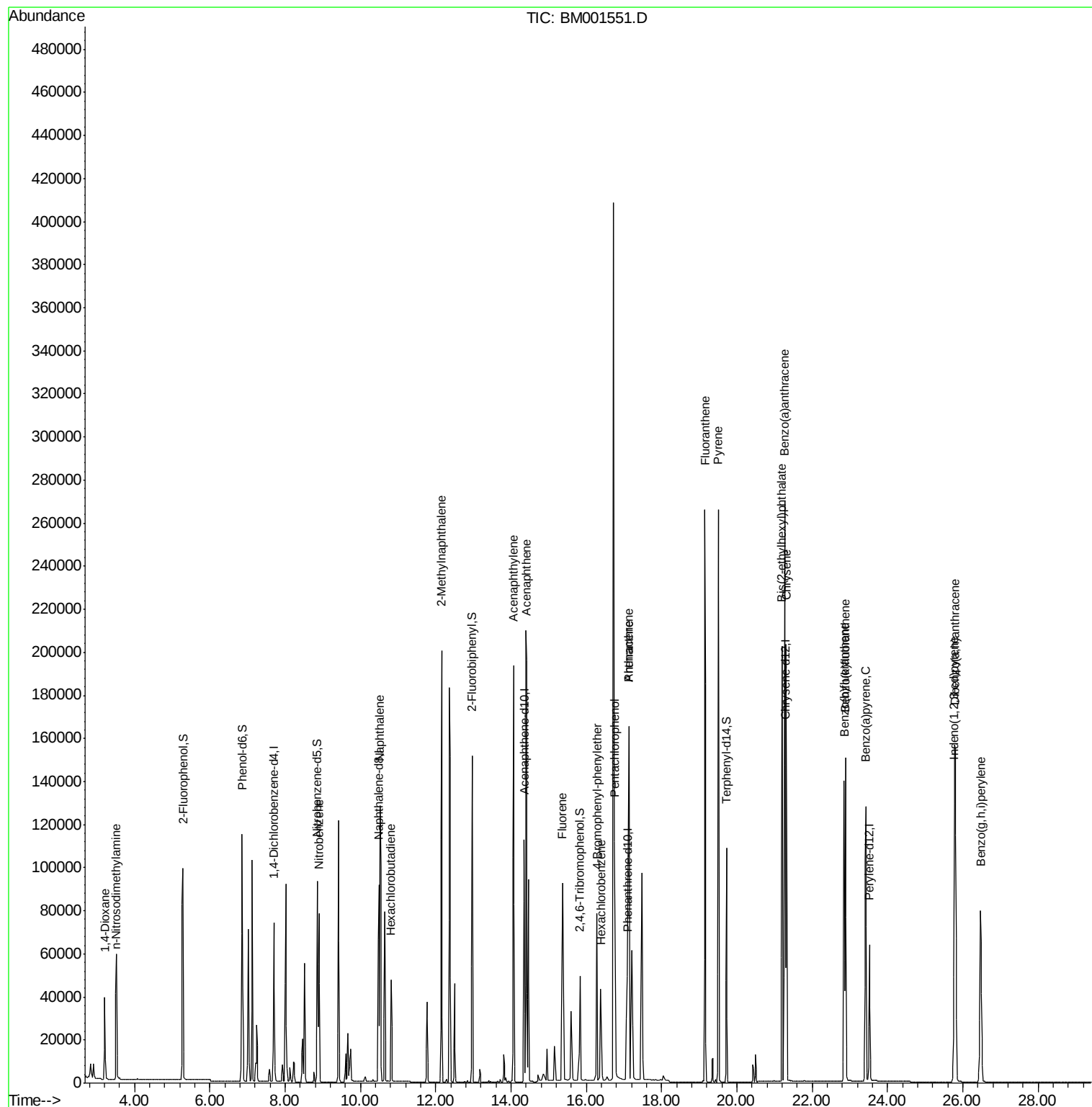
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.21  | 88  | 23920  | 7.17   | ng | 96    |
| 3) n-Nitrosodimethylamine      | 3.51  | 42  | 42032  | 7.14   | ng | 99    |
| 8) Nitrobenzene                | 8.90  | 77  | 82255  | 7.84   | ng | 99    |
| 9) Naphthalene                 | 10.52 | 128 | 207105 | 7.03   | ng | 98    |
| 10) Hexachlorobutadiene        | 10.82 | 225 | 36297  | 7.13   | ng | 100   |
| 11) 2-Methylnaphthalene        | 12.15 | 142 | 138061 | 7.45   | ng | 94    |
| 15) Acenaphthylene             | 14.07 | 152 | 220069 | 7.29   | ng | 100   |
| 16) Acenaphthene               | 14.42 | 154 | 129214 | 7.10   | ng | 98    |
| 17) Fluorene                   | 15.36 | 166 | 83799  | 5.68   | ng | # 76  |
| 19) 4-Bromophenyl-phenylether  | 16.28 | 248 | 70020  | 18.02  | ng | # 58  |
| 20) Hexachlorobenzene          | 16.38 | 284 | 32930  | 15.96  | ng | # 100 |
| 21) Pentachlorophenol          | 16.76 | 266 | 189647 | 165.97 | ng | # 89  |
| 22) Phenanthrene               | 17.13 | 178 | 256697 | 8.90   | ng | 97    |
| 23) Anthracene                 | 17.13 | 178 | 379199 | 28.71  | ng | # 62  |
| 24) Fluoranthene               | 19.15 | 202 | 253817 | 12.43  | ng | 99    |
| 26) Pyrene                     | 19.51 | 202 | 272058 | 8.52   | ng | 99    |
| 28) Benzo(a)anthracene         | 21.26 | 228 | 223668 | 7.71   | ng | 95    |
| 29) Chrysene                   | 21.31 | 228 | 195634 | 7.55   | ng | 96    |
| 30) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 193069 | 9.12   | ng | 99    |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276 | 186962 | 6.54   | ng | 98    |
| 33) Benzo(b)fluoranthene       | 22.85 | 252 | 200520 | 8.63   | ng | 97    |
| 34) Benzo(k)fluoranthene       | 22.89 | 252 | 165832 | 7.68   | ng | 97    |
| 35) Benzo(a)pyrene             | 23.43 | 252 | 174369 | 8.30   | ng | 97    |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278 | 151260 | 7.75   | ng | 97    |
| 37) Benzo(g,h,i)perylene       | 26.48 | 276 | 154723 | 7.54   | ng | 99    |

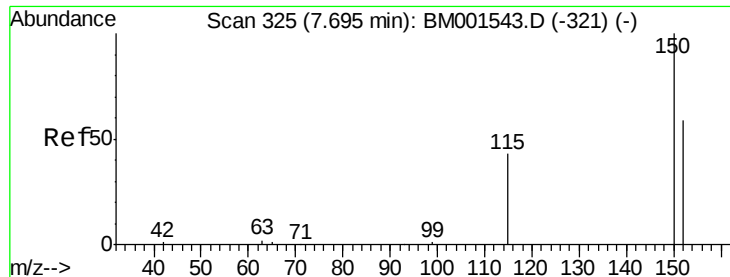
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060315\  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
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QLast Update : Thu Jun 04 12:46:32 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

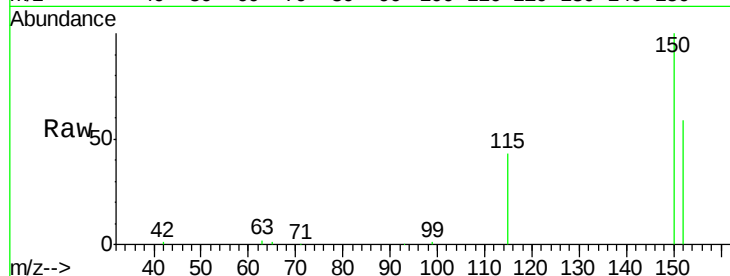
Tgt Ion:152 Resp: 37981

Ion Ratio Lower Upper

152 100

150 169.1 135.0 202.4

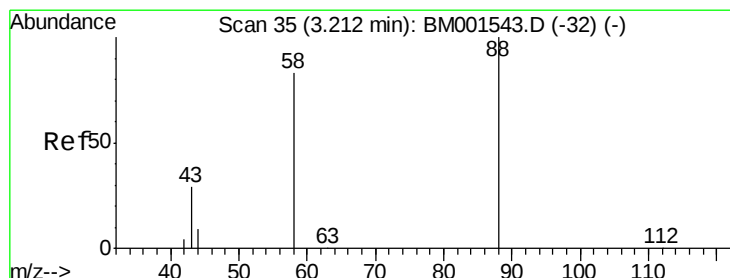
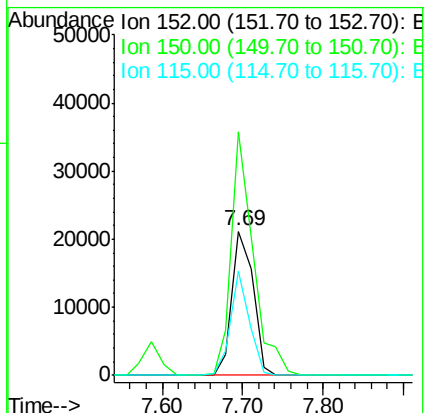
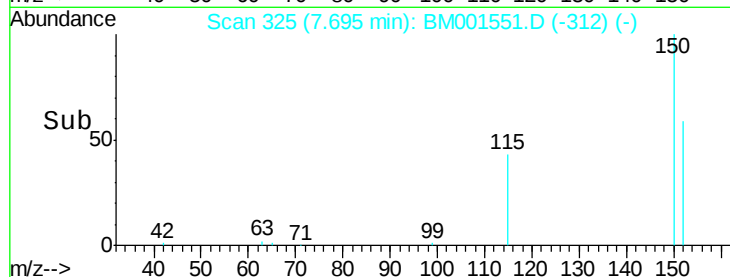
115 72.4 57.8 86.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.17 ng

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

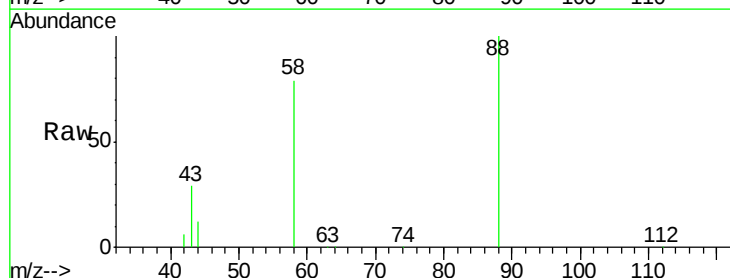
Tgt Ion: 88 Resp: 23920

Ion Ratio Lower Upper

88 100

58 86.0 65.0 97.4

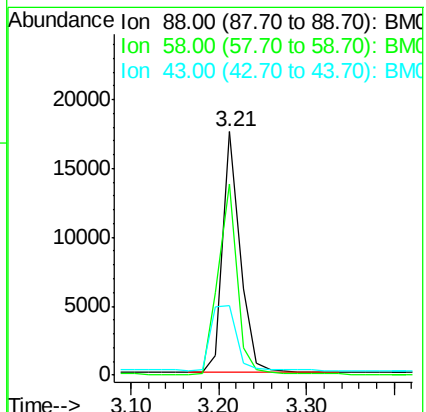
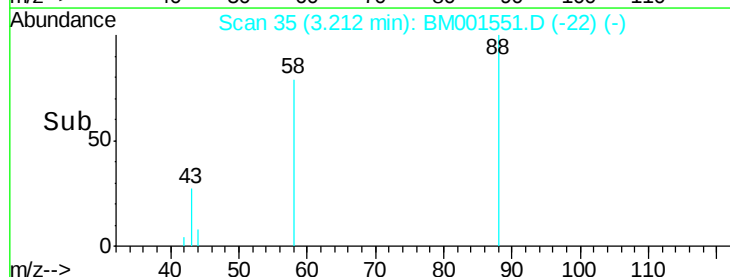
43 39.4 31.1 46.7

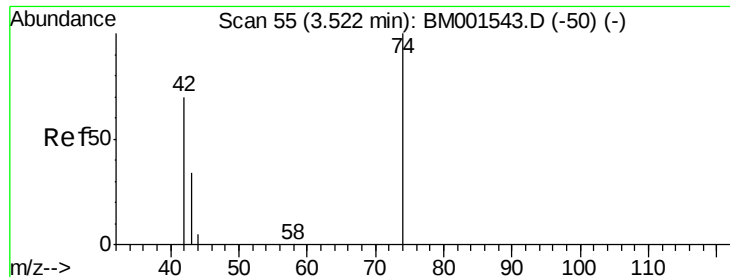


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 7.14 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.02 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

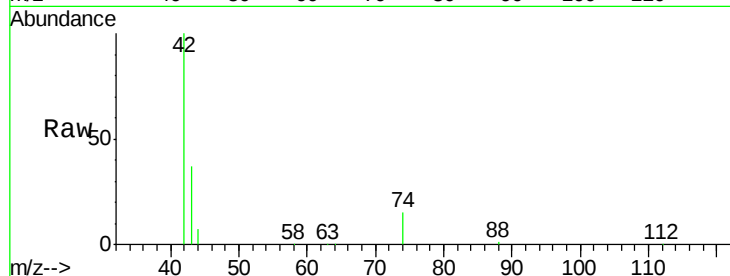
Tgt Ion: 42 Resp: 42032

Ion Ratio Lower Upper

42 100

74 102.9 82.0 123.0

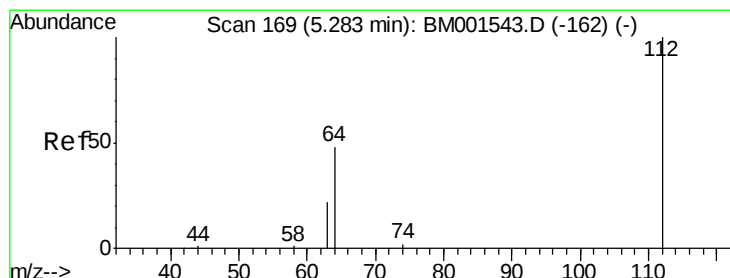
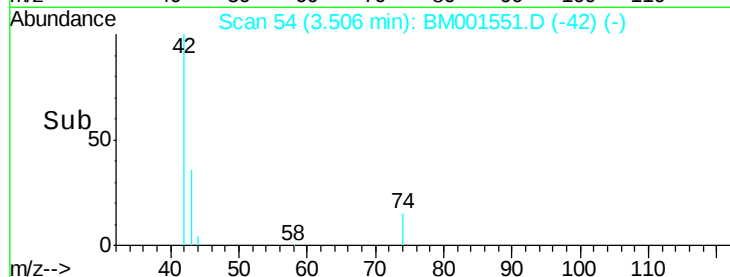
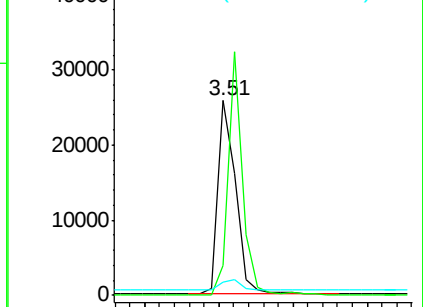
44 5.9 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001543.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM001543.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001543.D (-50) (-)



#4

2-Fluorophenol

Concen: 10.34 ng

RT: 5.28 min Scan# 169

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

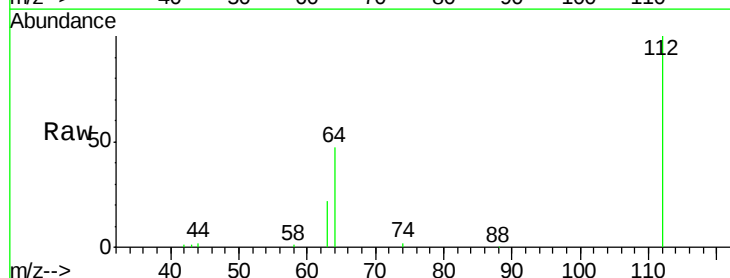
Tgt Ion: 112 Resp: 89298

Ion Ratio Lower Upper

112 100

64 65.7 53.0 79.4

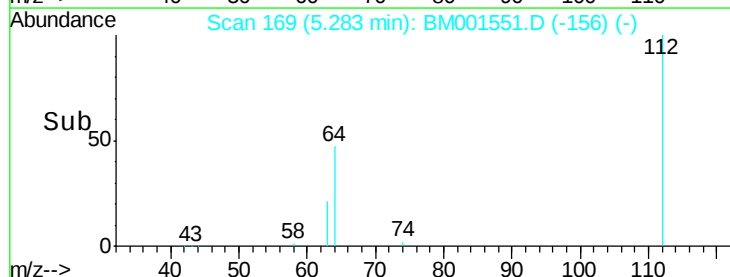
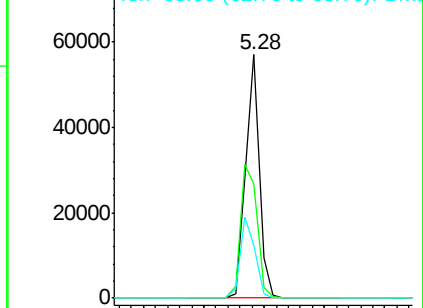
63 35.6 29.2 43.8

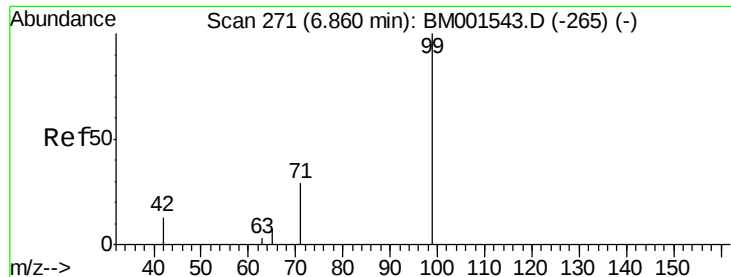


Abundance Ion 112.00 (111.70 to 112.70): BM001543.D (-162) (-)

Ion 64.00 (63.70 to 64.70): BM001543.D (-162) (-)

Ion 63.00 (62.70 to 63.70): BM001543.D (-162) (-)





#5

Phenol-d6

Concen: 11.30 ng

RT: 6.86 min Scan# 271

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

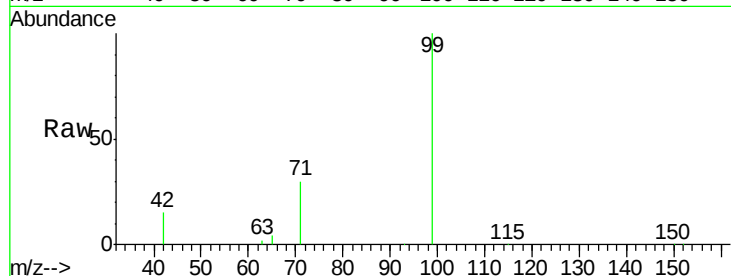
Tgt Ion: 99 Resp: 119808

Ion Ratio Lower Upper

99 100

42 24.9 20.9 31.3

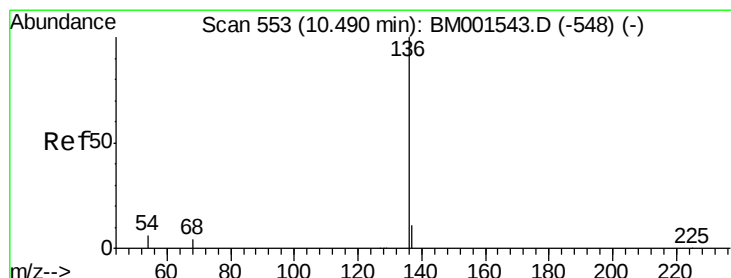
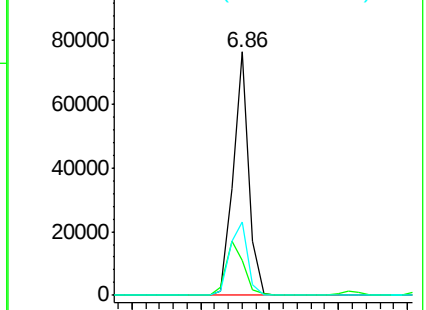
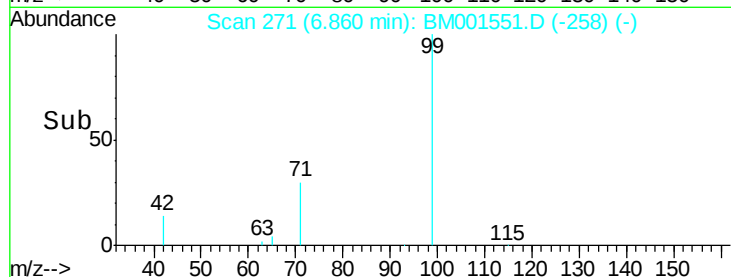
71 34.6 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BM001551.D (-258) (-)

Ion 42.00 (41.70 to 42.70): BM001551.D (-258) (-)

Ion 71.00 (70.70 to 71.70): BM001551.D (-258) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Tgt Ion: 136 Resp: 139905

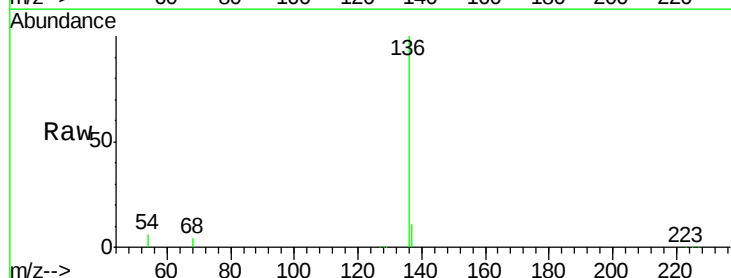
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.2 4.6 6.8

68 4.2 3.2 4.8

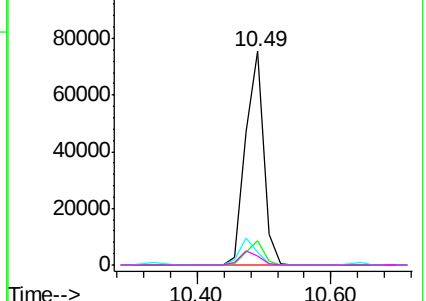
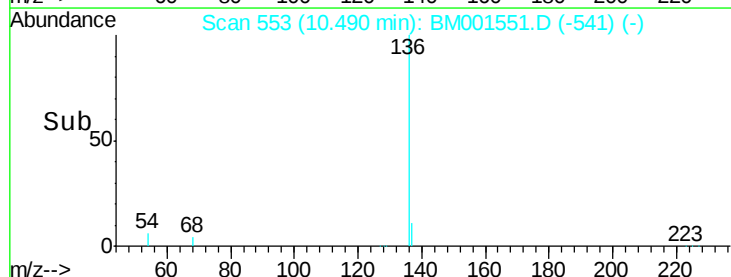


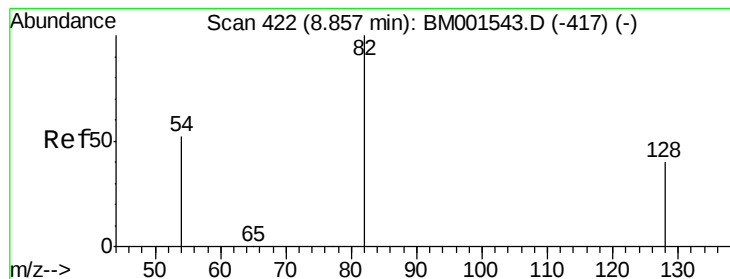
Abundance Ion 136.00 (135.70 to 136.70): BM001551.D (-541) (-)

Ion 137.00 (136.70 to 137.70): BM001551.D (-541) (-)

Ion 54.00 (53.70 to 54.70): BM001551.D (-541) (-)

Ion 68.00 (67.70 to 68.70): BM001551.D (-541) (-)





#7

Nitrobenzene-d5

Concen: 7.67 ng

RT: 8.86 min Scan# 422

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

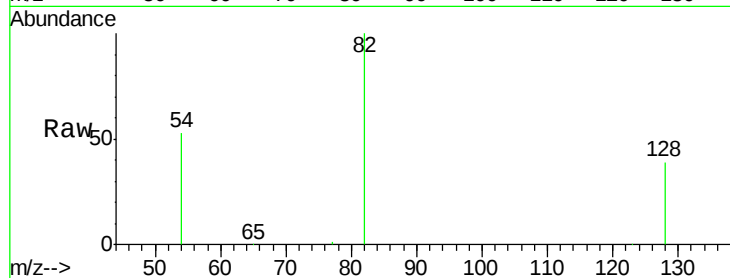
Tgt Ion: 82 Resp: 76421

Ion Ratio Lower Upper

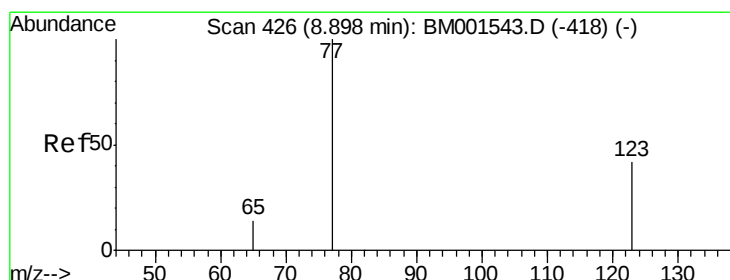
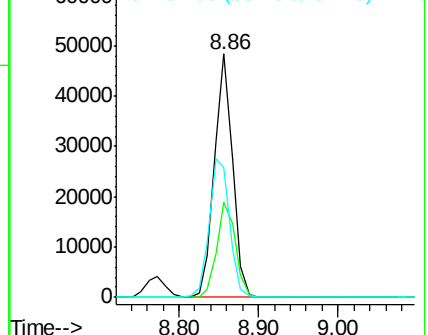
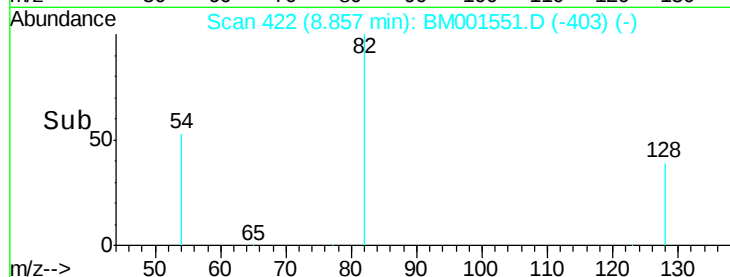
82 100

128 38.8 32.3 48.5

54 53.3 43.0 64.4



Abundance Ion 82.00 (81.70 to 82.70): BM001551.D (-403) (-)



#8

Nitrobenzene

Concen: 7.84 ng

RT: 8.90 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

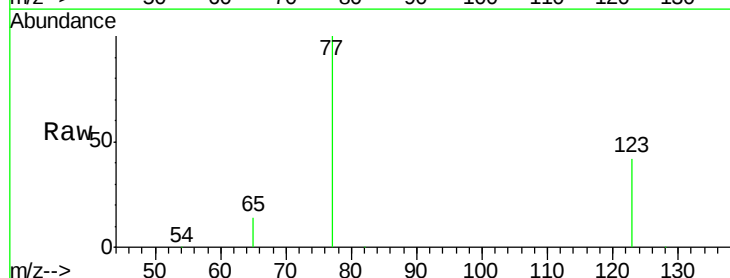
Tgt Ion: 77 Resp: 82255

Ion Ratio Lower Upper

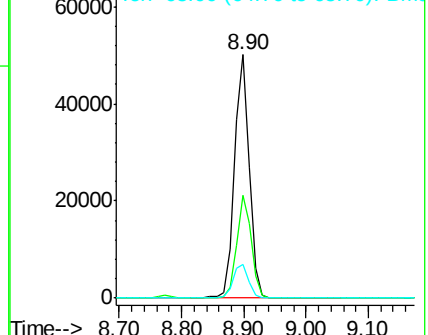
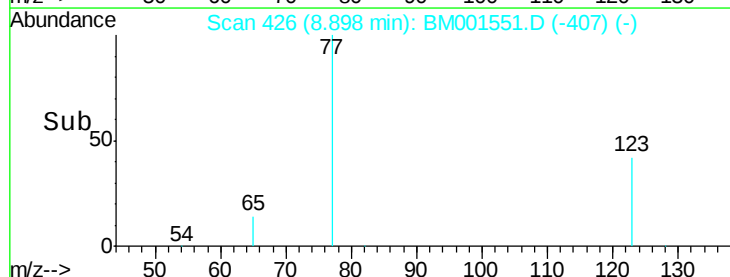
77 100

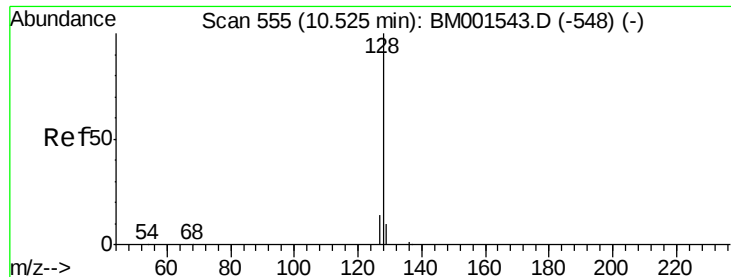
123 41.7 32.5 48.7

65 14.5 11.8 17.6



Abundance Ion 77.00 (76.70 to 77.70): BM001551.D (-407) (-)





#9

Naphthalene

Concen: 7.03 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

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ClientSampleId :

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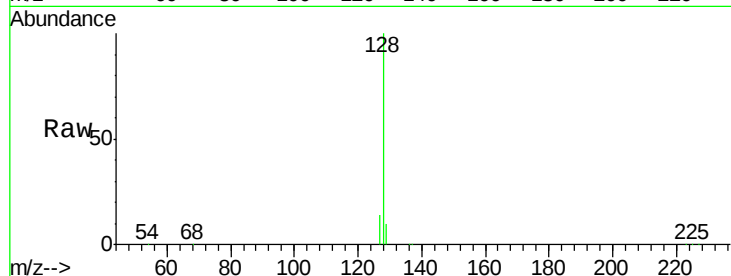
Tgt Ion:128 Resp: 207105

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

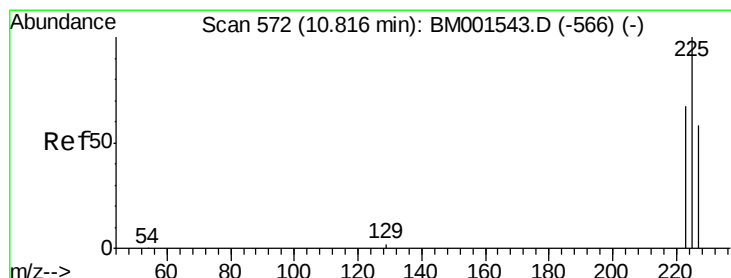
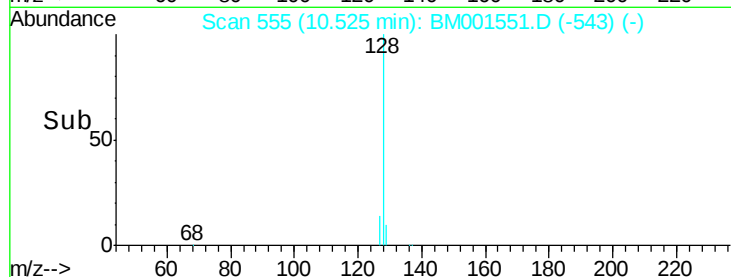
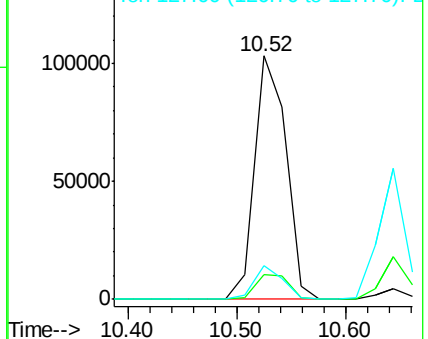
127 14.0 11.7 17.5



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

Hexachlorobutadiene

Concen: 7.13 ng

RT: 10.82 min Scan# 572

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

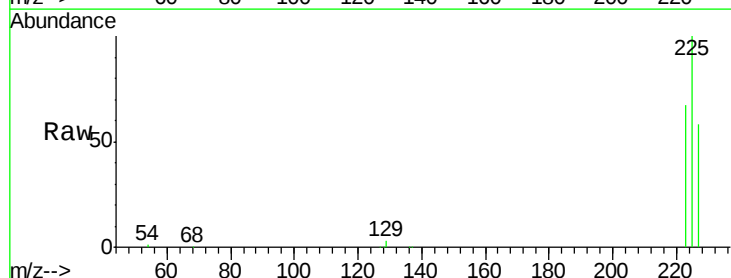
Tgt Ion:225 Resp: 36297

Ion Ratio Lower Upper

225 100

223 62.7 50.2 75.2

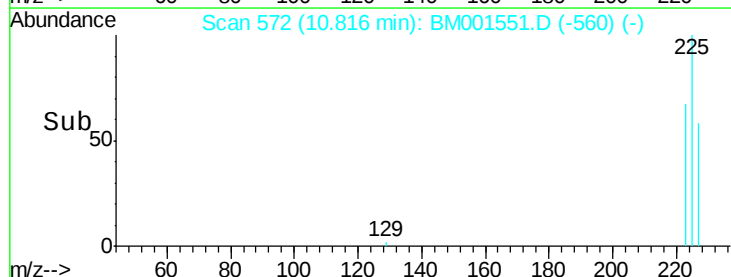
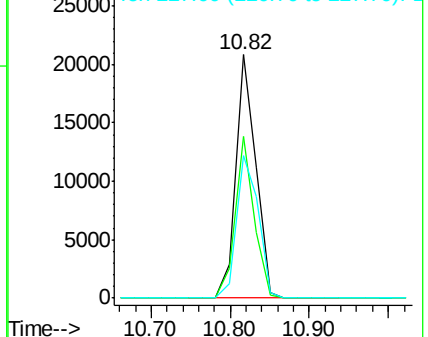
227 63.5 50.5 75.7

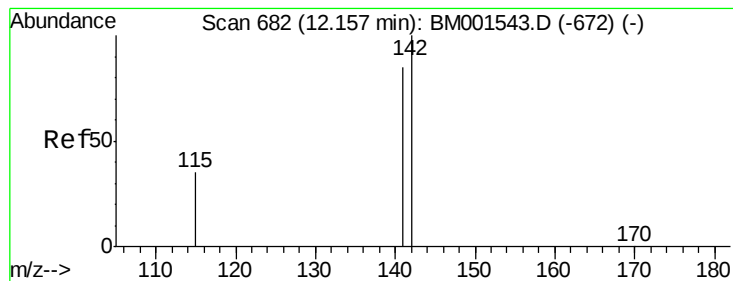


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 7.45 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

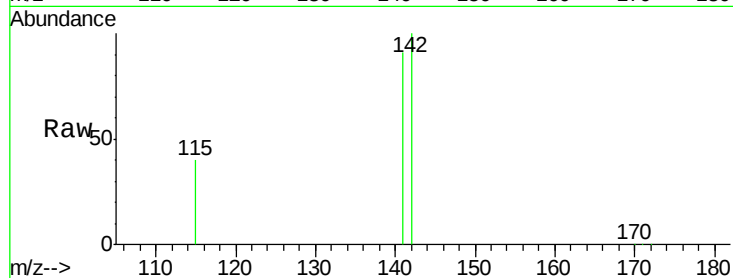
Tgt Ion:142 Resp: 138061

Ion Ratio Lower Upper

142 100

141 90.5 68.1 102.1

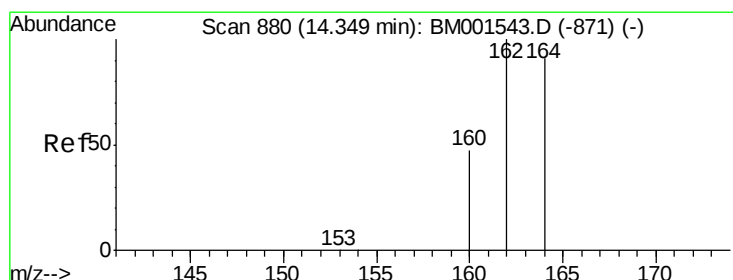
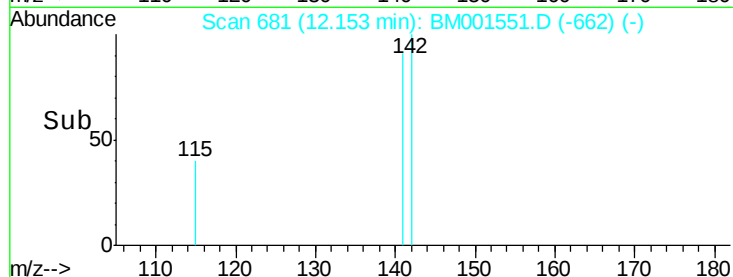
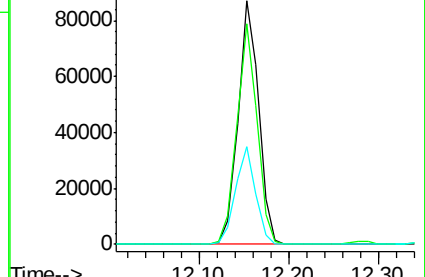
115 39.9 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.36 min Scan# 880

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

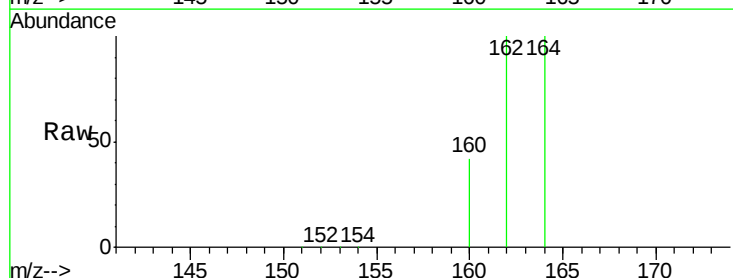
Tgt Ion:164 Resp: 69369

Ion Ratio Lower Upper

164 100

162 99.8 88.0 132.0

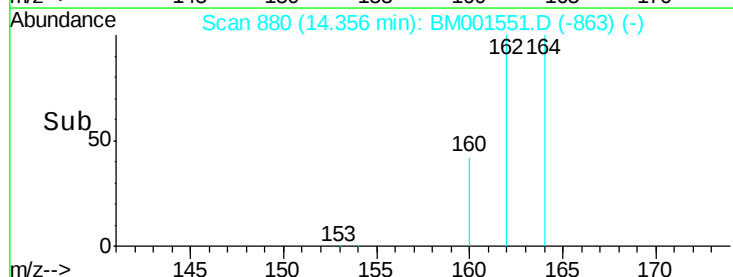
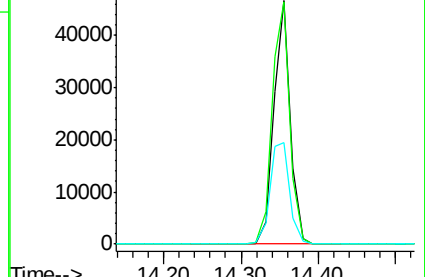
160 41.7 41.0 61.4

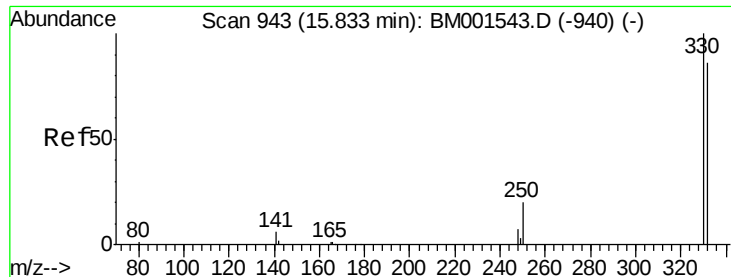


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

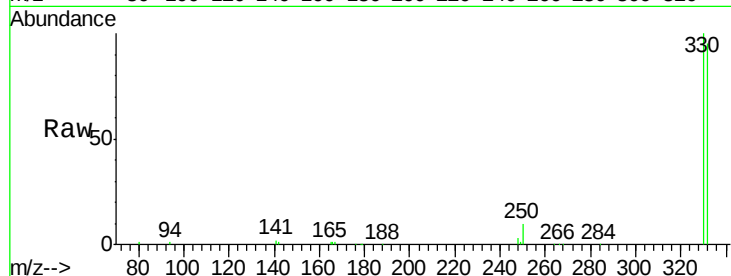




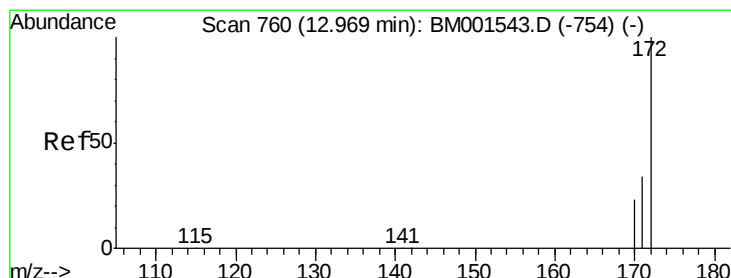
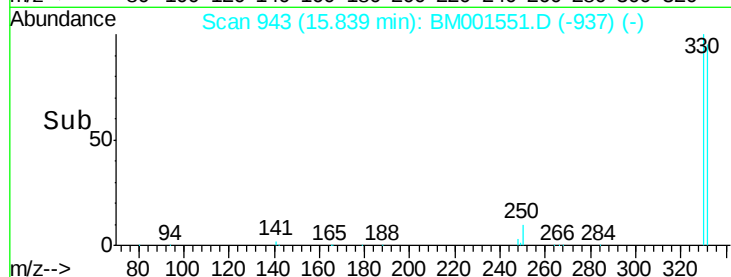
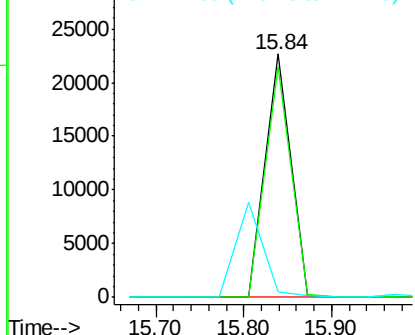
#13  
 2,4,6-Tribromophenol  
 Concen: 16.08 ng  
 RT: 15.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

Tgt Ion:330 Resp: 46587  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 69.6 104.4  
 141 0.0 0.0 0.0

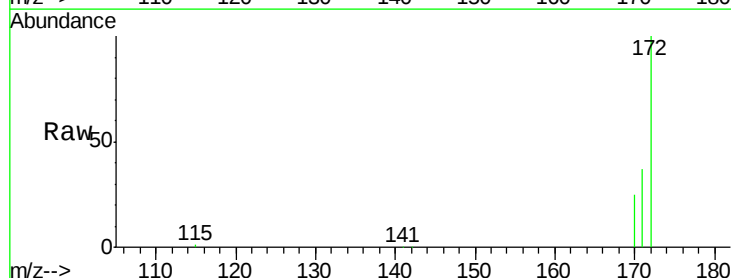


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

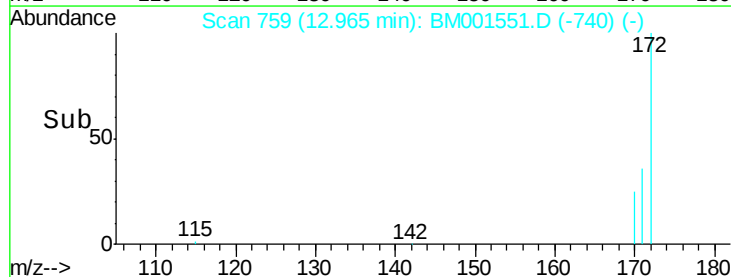
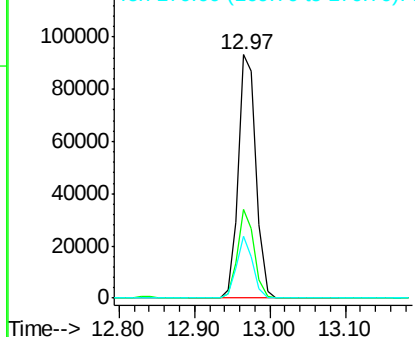


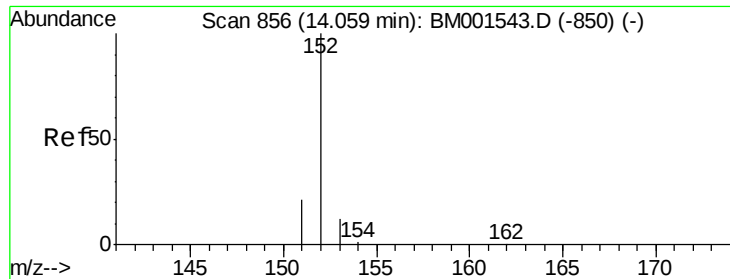
#14  
 2-Fluorobiphenyl  
 Concen: 7.37 ng  
 RT: 12.97 min Scan# 759  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

Tgt Ion:172 Resp: 151875  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 27.6 41.4  
 170 25.4 18.4 27.6



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 7.29 ng

RT: 14.07 min Scan# 856

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

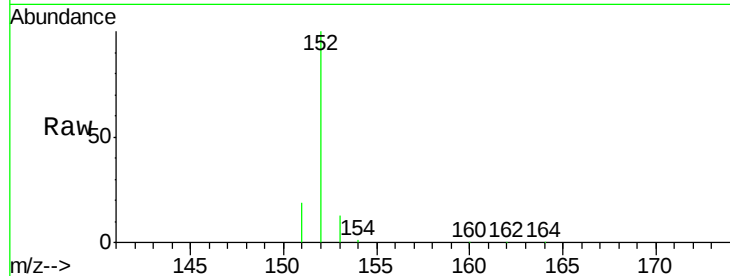
Tgt Ion:152 Resp: 220069

Ion Ratio Lower Upper

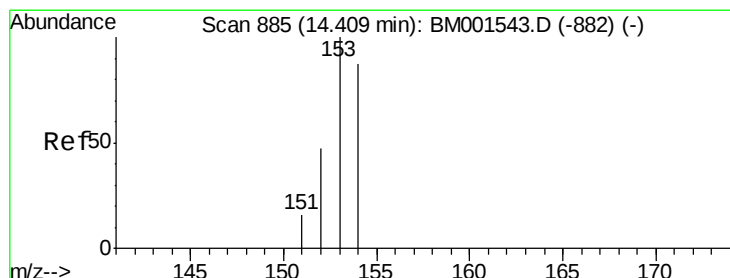
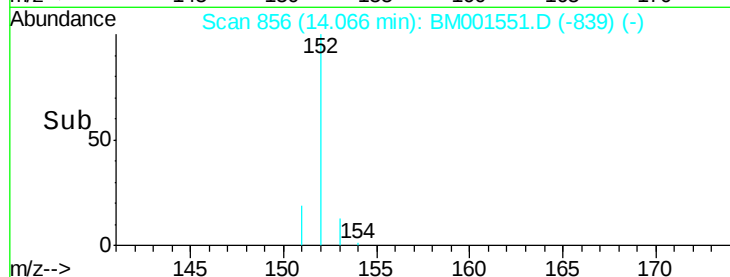
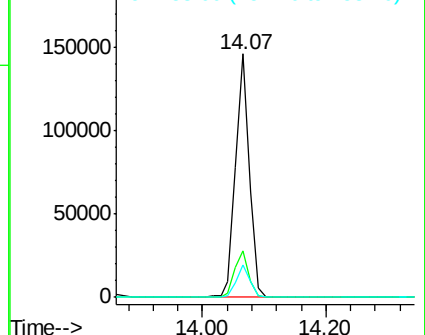
152 100

151 19.2 15.3 22.9

153 12.9 10.3 15.5



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



#16

Acenaphthene

Concen: 7.10 ng

RT: 14.42 min Scan# 885

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

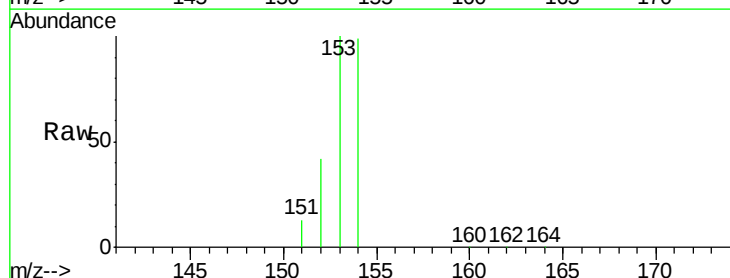
Tgt Ion:154 Resp: 129214

Ion Ratio Lower Upper

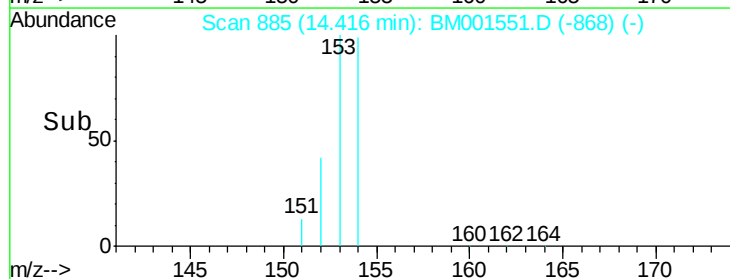
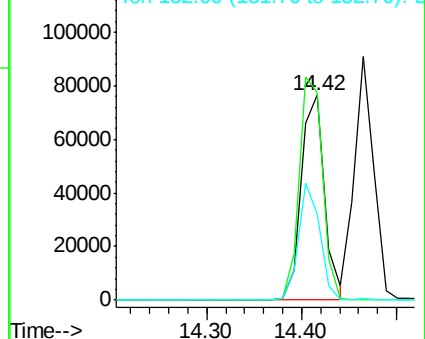
154 100

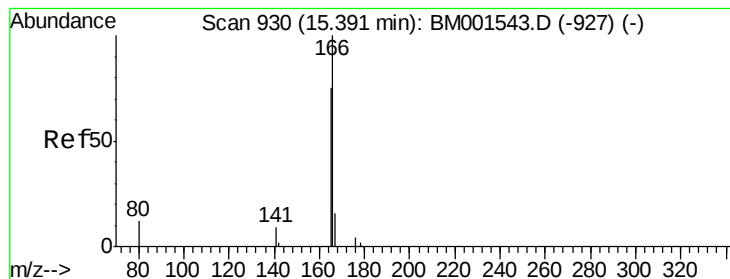
153 109.5 89.8 134.8

152 52.8 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 5.68 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.03 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

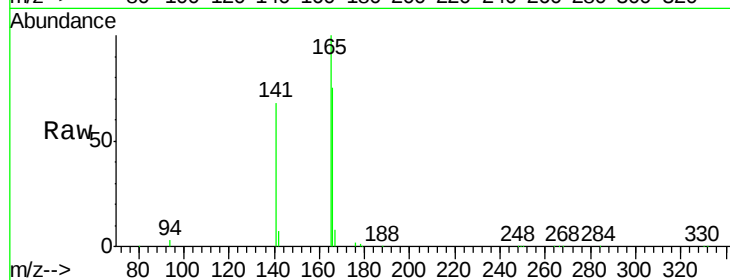
Tgt Ion:166 Resp: 83799

Ion Ratio Lower Upper

166 100

165 109.9 68.2 102.2#

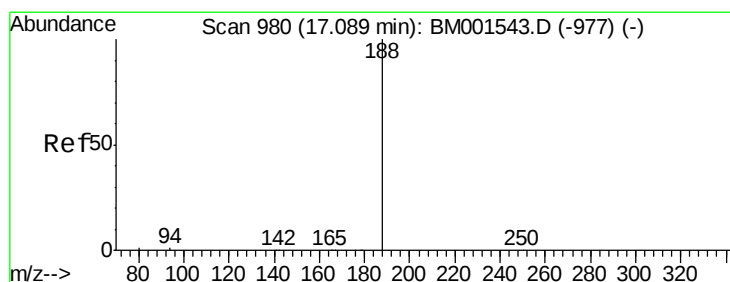
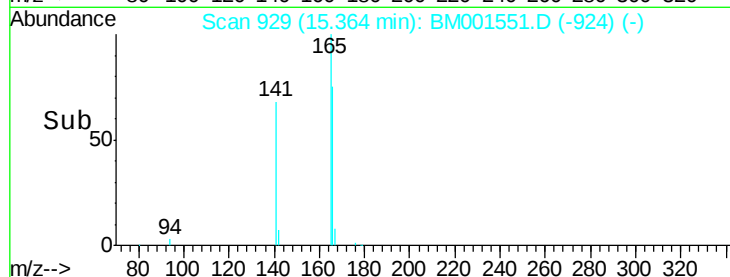
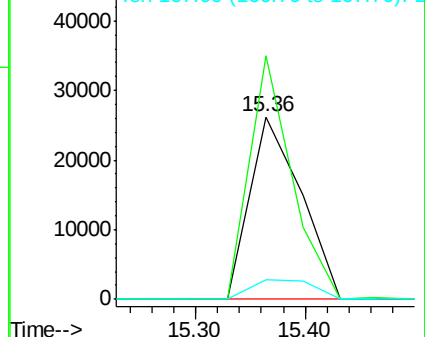
167 13.0 12.1 18.1



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.10 min Scan# 980

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

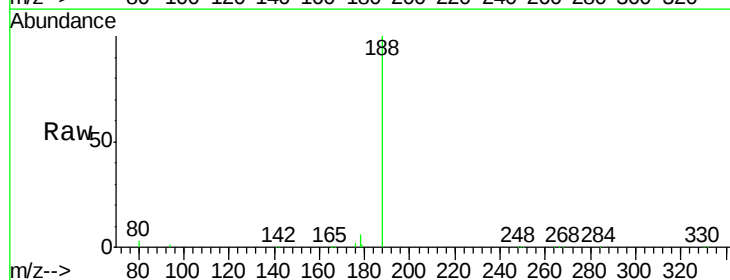
Tgt Ion:188 Resp: 99253

Ion Ratio Lower Upper

188 100

94 0.6 1.0 1.4#

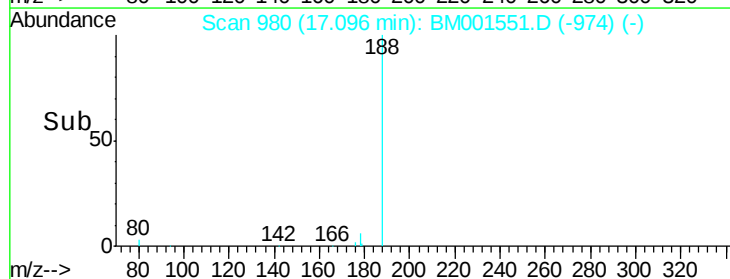
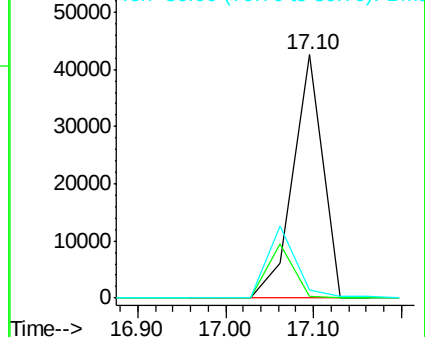
80 3.2 0.8 1.2#

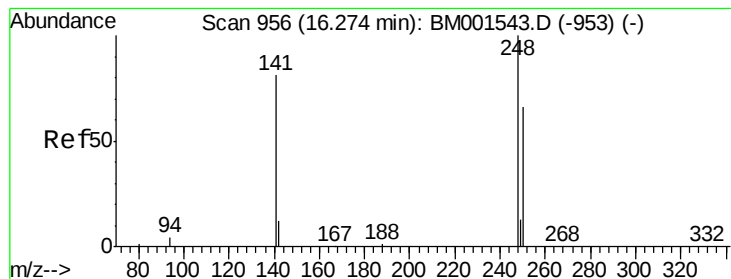


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#19

4-Bromophenyl-phenylether

Concen: 18.02 ng

RT: 16.28 min Scan# 956

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

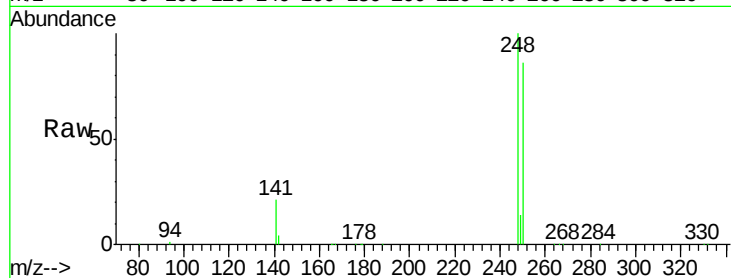
Tgt Ion:248 Resp: 70020

Ion Ratio Lower Upper

248 100

250 86.2 55.2 82.8#

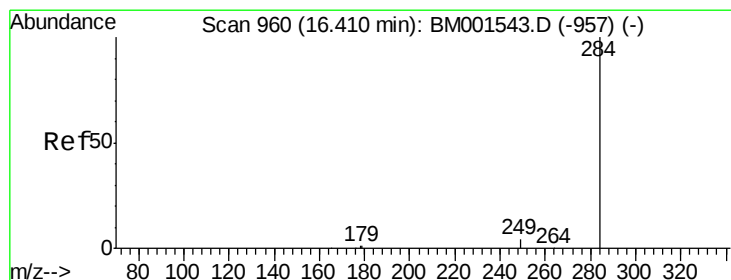
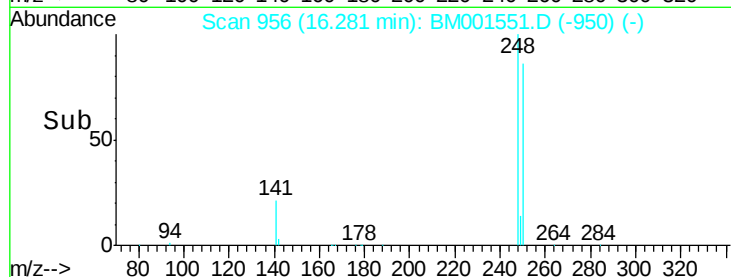
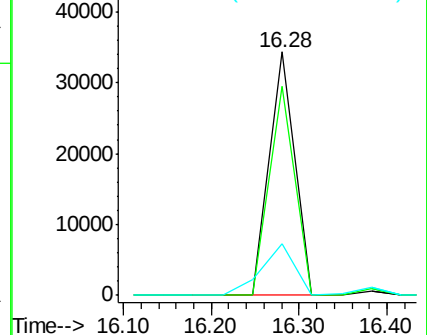
141 27.7 64.7 97.1#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 15.96 ng

RT: 16.38 min Scan# 959

Delta R.T. -0.03 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

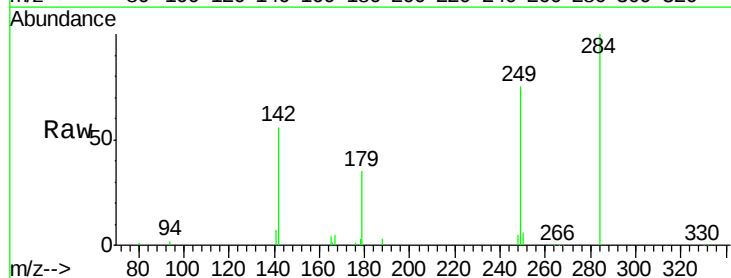
Tgt Ion:284 Resp: 32930

Ion Ratio Lower Upper

284 100

142 54.6 0.0 0.0#

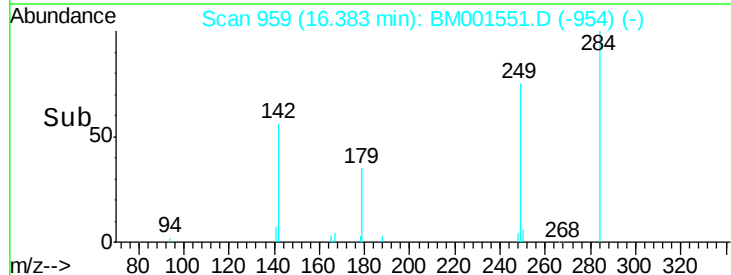
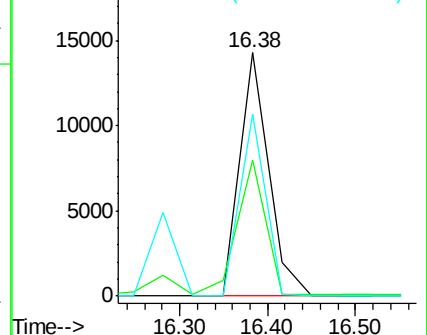
249 66.0 0.0 0.0#

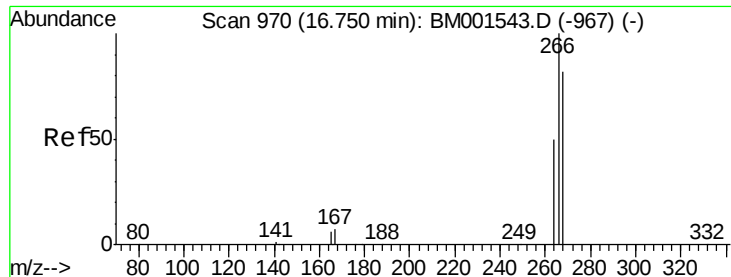


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 165.97 ng

RT: 16.76 min Scan# 970

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

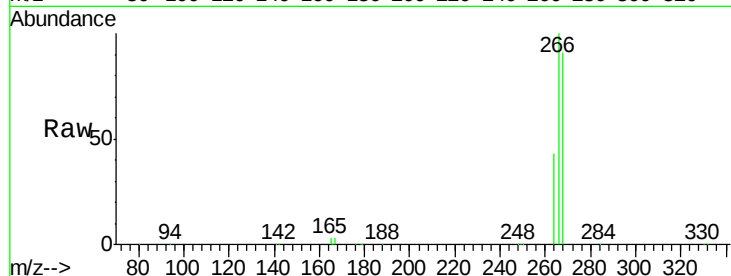
Tgt Ion:266 Resp: 189647

Ion Ratio Lower Upper

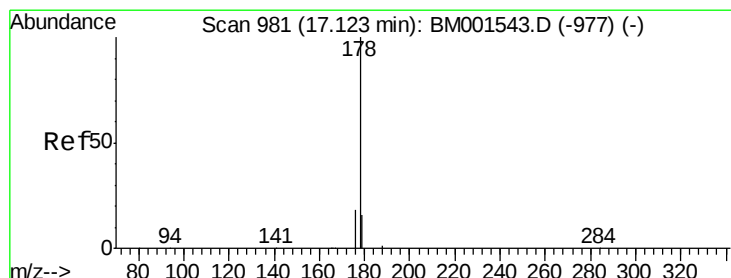
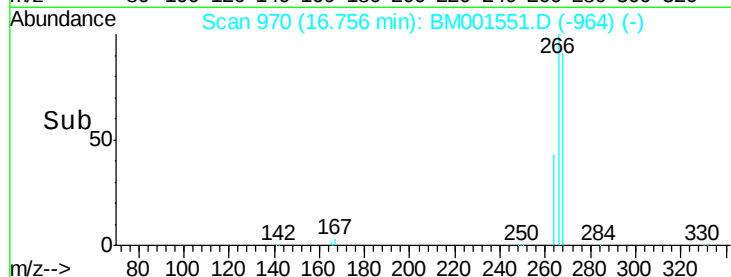
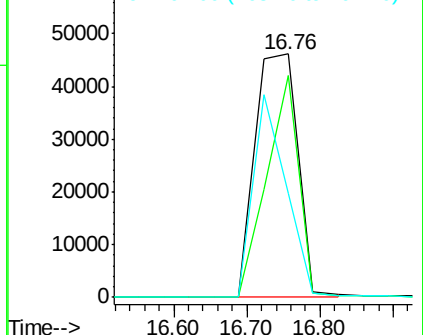
266 100

268 90.9 67.2 100.8

264 42.8 43.7 65.5#



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E



#22

Phenanthrene

Concen: 8.90 ng

RT: 17.13 min Scan# 981

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

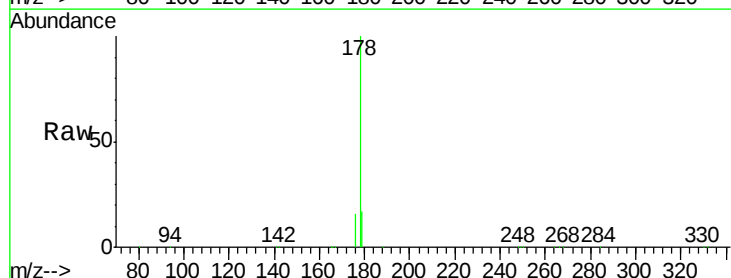
Tgt Ion:178 Resp: 256697

Ion Ratio Lower Upper

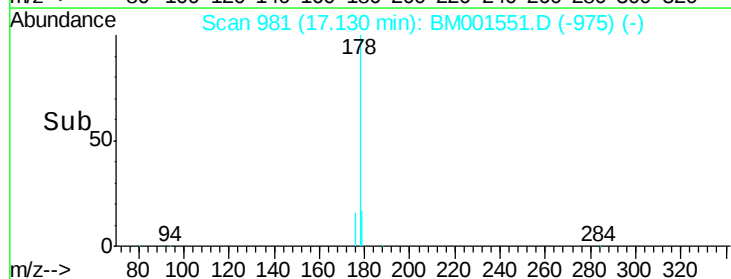
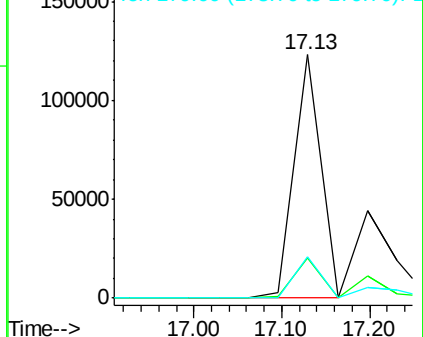
178 100

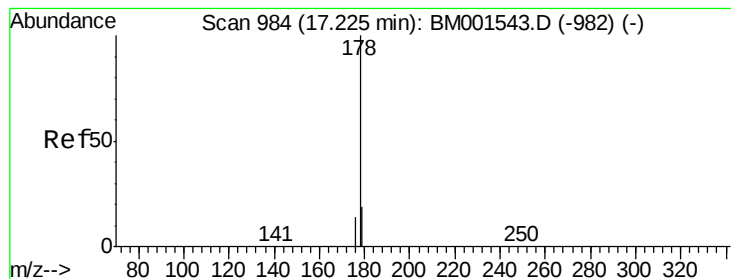
176 16.7 14.7 22.1

179 16.6 12.7 19.1



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





#23

Anthracene

Concen: 28.71 ng

RT: 17.13 min Scan# 981

Delta R.T. -0.10 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

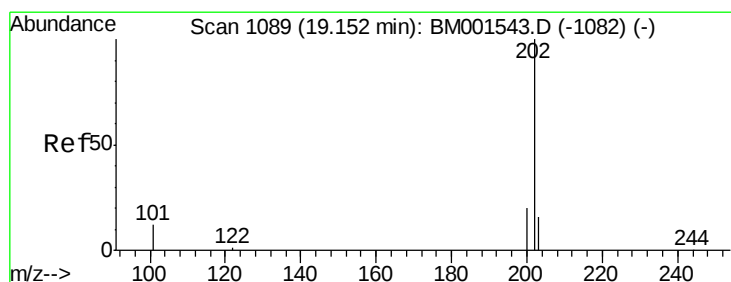
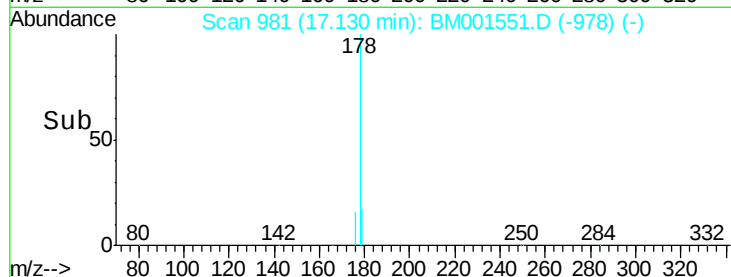
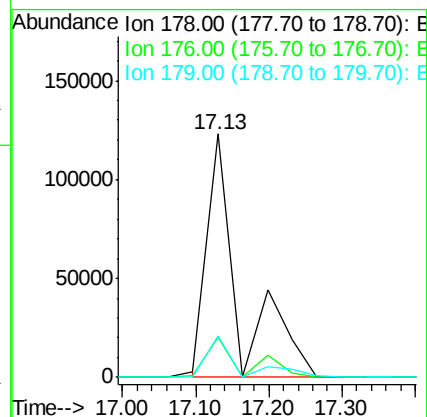
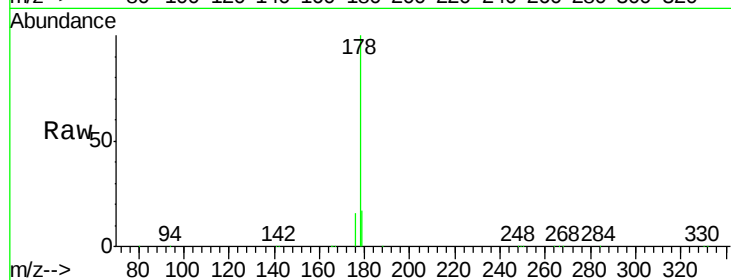
Tgt Ion:178 Resp: 379199

Ion Ratio Lower Upper

178 100

176 18.0 36.6 54.8#

179 16.1 28.7 43.1#



#24

Fluoranthene

Concen: 12.43 ng

RT: 19.15 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

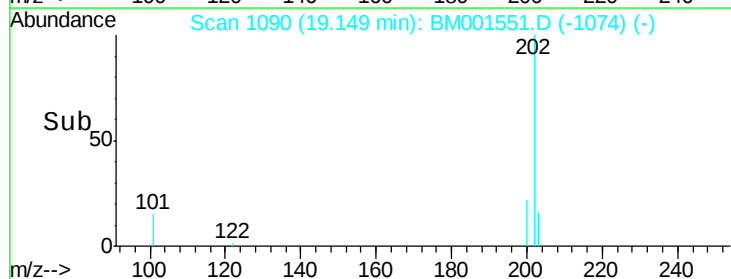
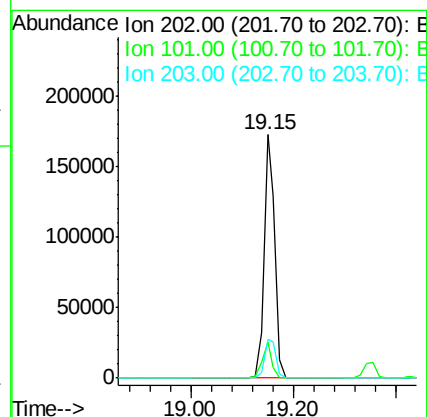
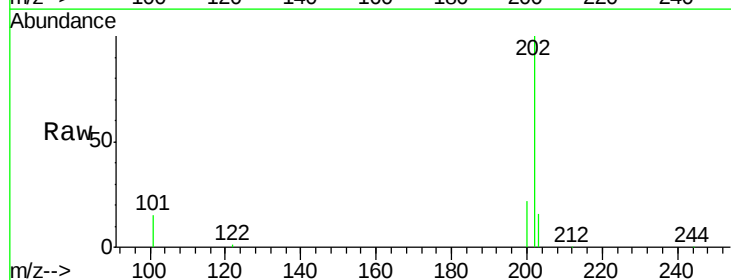
Tgt Ion:202 Resp: 253817

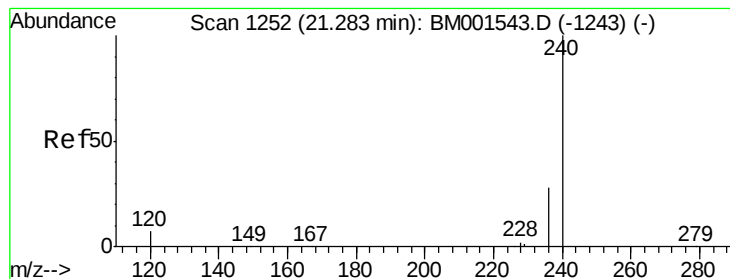
Ion Ratio Lower Upper

202 100

101 13.3 10.2 15.2

203 17.5 13.8 20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

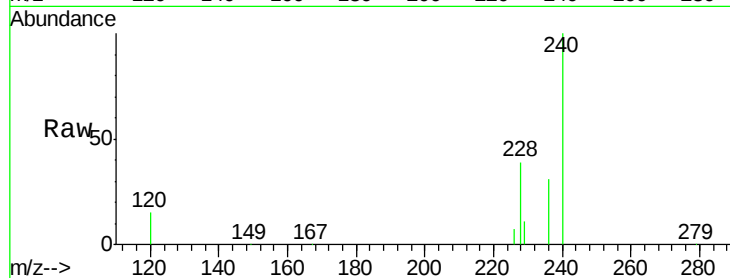
Tgt Ion:240 Resp: 103688

Ion Ratio Lower Upper

240 100

120 15.3 5.6 8.4#

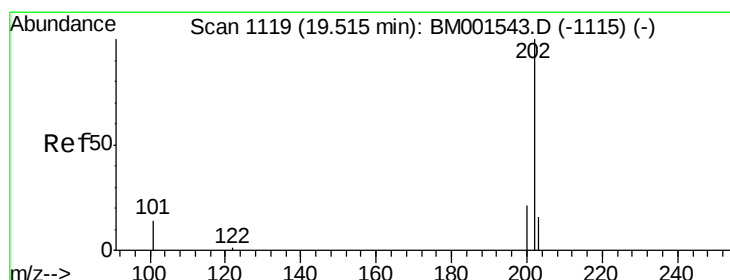
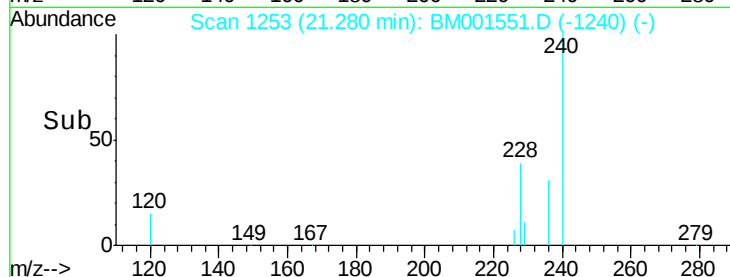
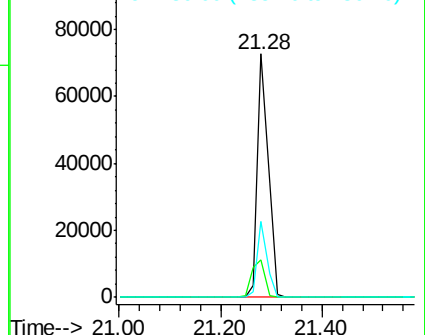
236 31.0 22.4 33.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 8.52 ng

RT: 19.51 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

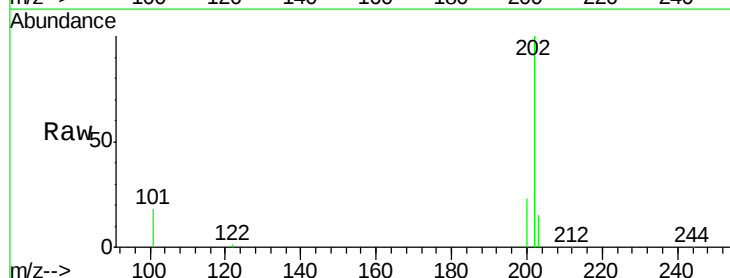
Tgt Ion:202 Resp: 272058

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

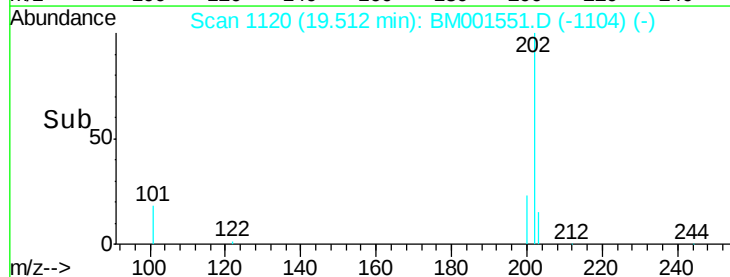
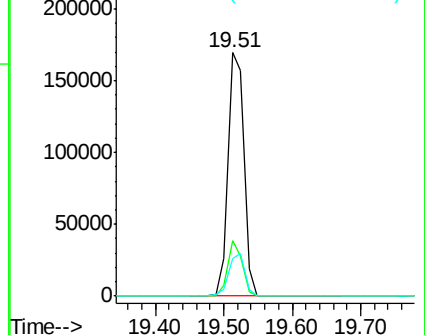
203 17.8 13.8 20.8

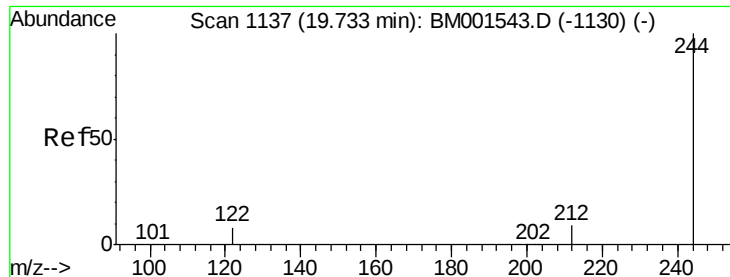


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 7.98 ng

RT: 19.73 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

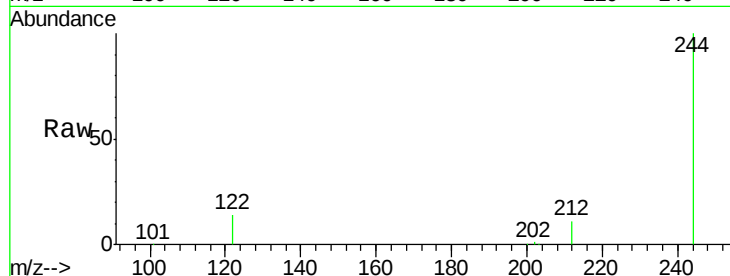
Tgt Ion:244 Resp: 102292

Ion Ratio Lower Upper

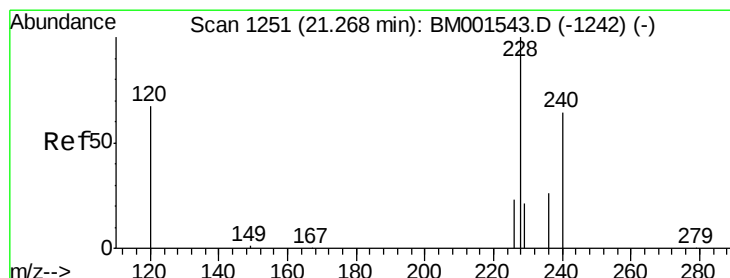
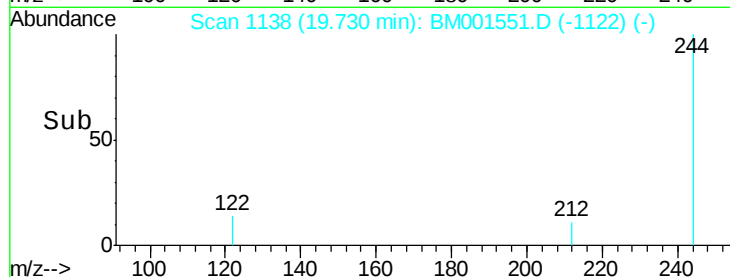
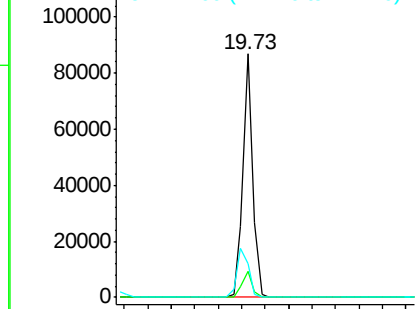
244 100

212 10.6 8.0 12.0

122 13.7 7.3 10.9#



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 7.71 ng

RT: 21.26 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

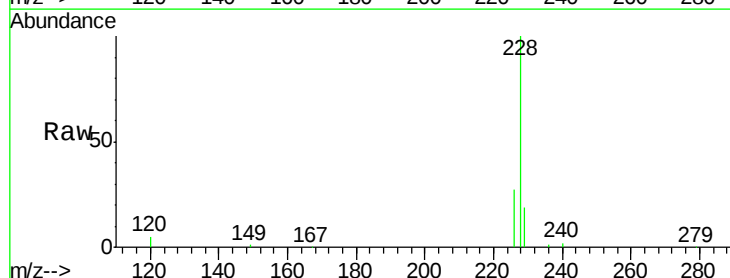
Tgt Ion:228 Resp: 223668

Ion Ratio Lower Upper

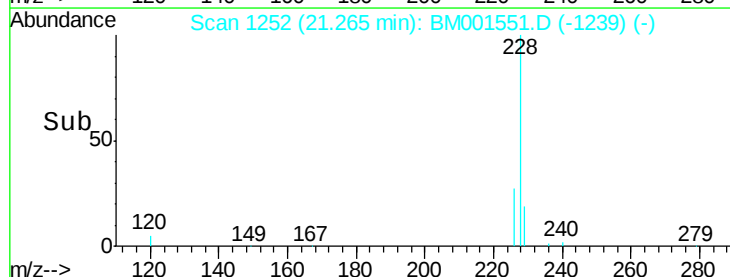
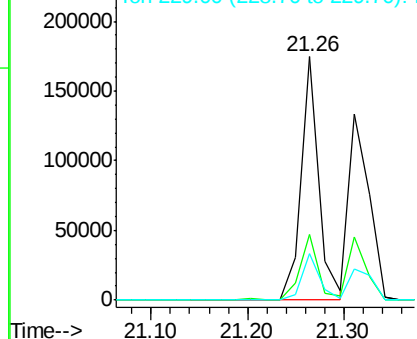
228 100

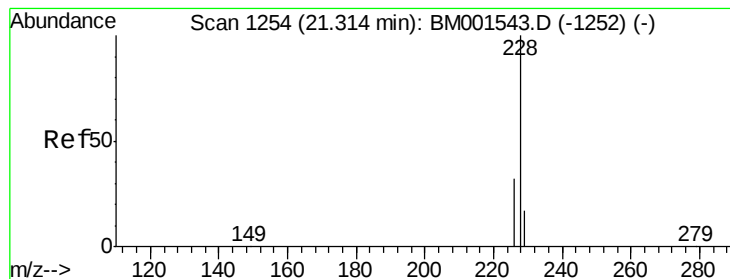
226 26.8 19.0 28.4

229 19.0 16.9 25.3



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





#29

Chrysene

Concen: 7.55 ng

RT: 21.31 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

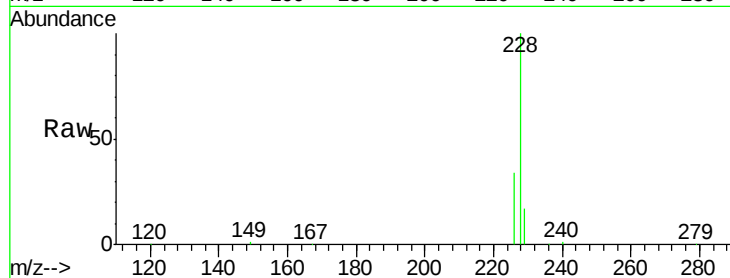
Tgt Ion: 228 Resp: 195634

Ion Ratio Lower Upper

228 100

226 33.9 25.2 37.8

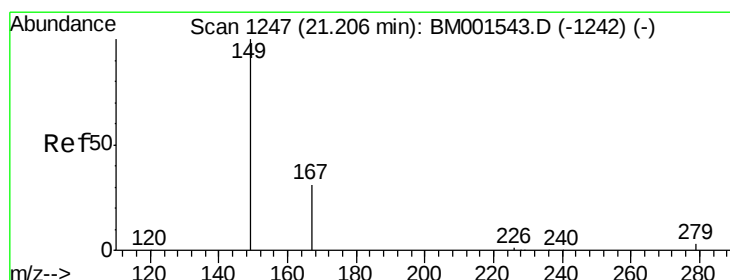
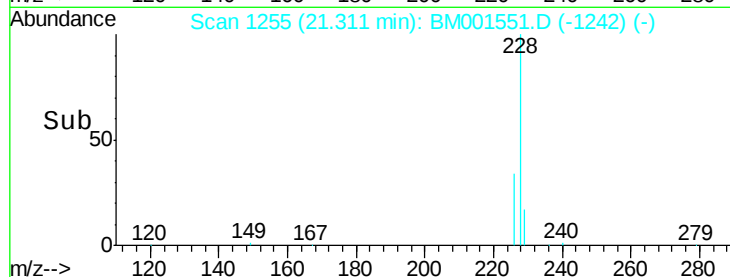
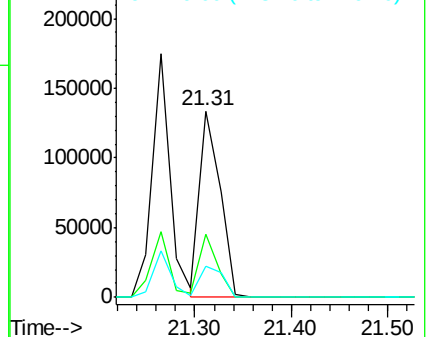
229 16.7 14.7 22.1



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 9.12 ng

RT: 21.20 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

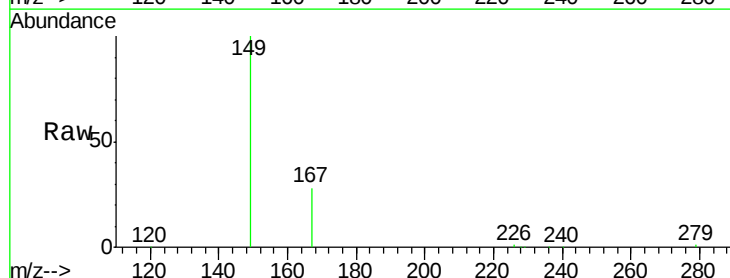
Tgt Ion: 149 Resp: 193069

Ion Ratio Lower Upper

149 100

167 26.1 20.5 30.7

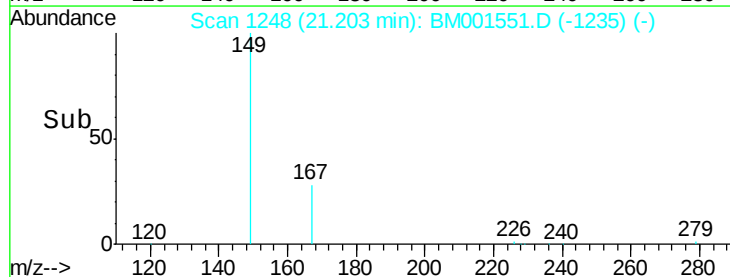
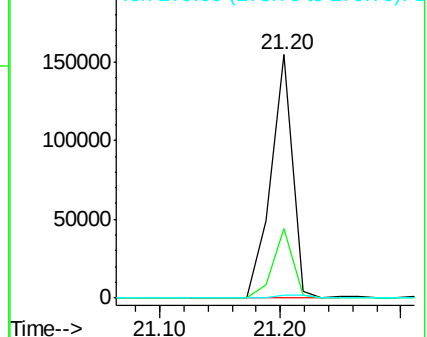
279 2.0 1.7 2.5

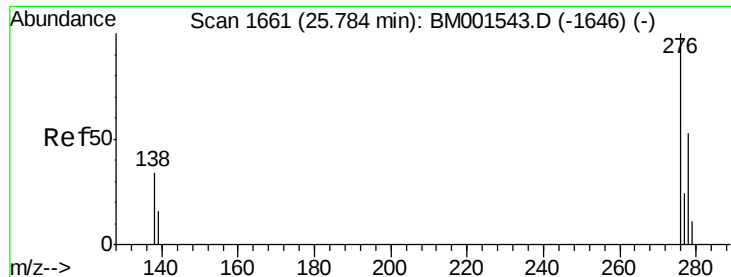


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 6.54 ng

RT: 25.78 min Scan# 1662

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

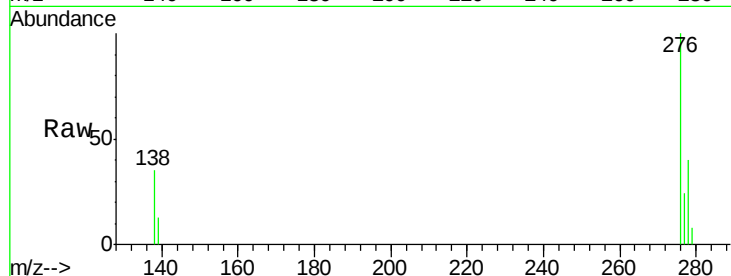
Tgt Ion: 276 Resp: 186962

Ion Ratio Lower Upper

276 100

138 36.8 28.3 42.5

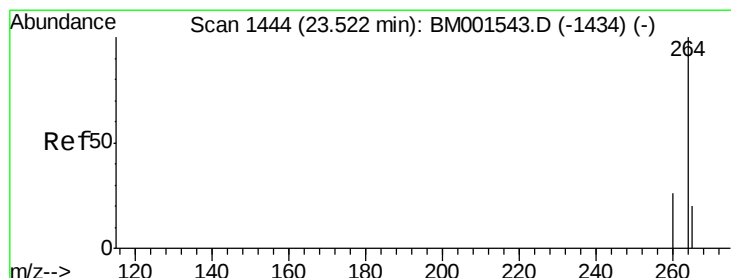
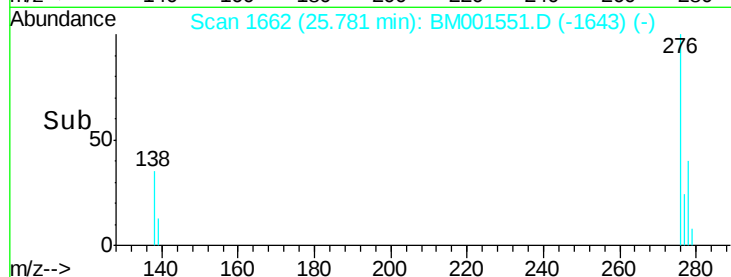
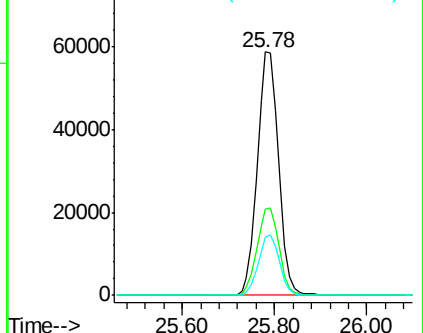
277 24.7 19.6 29.4



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.53 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

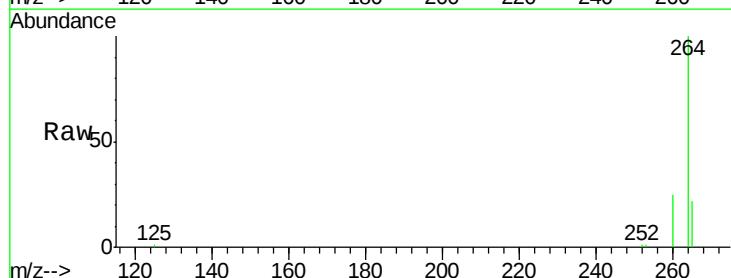
Tgt Ion: 264 Resp: 83663

Ion Ratio Lower Upper

264 100

260 24.6 21.1 31.7

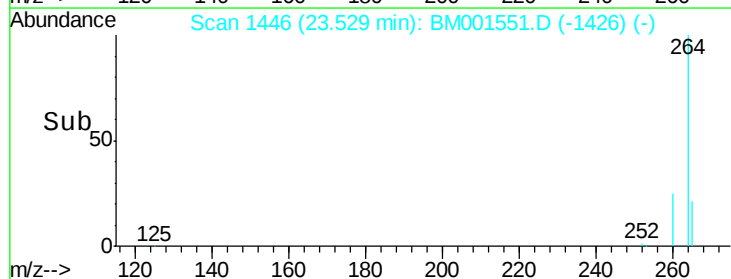
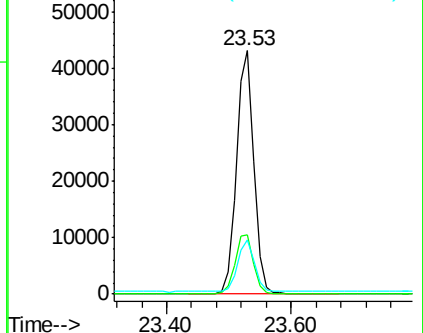
265 22.4 17.1 25.7

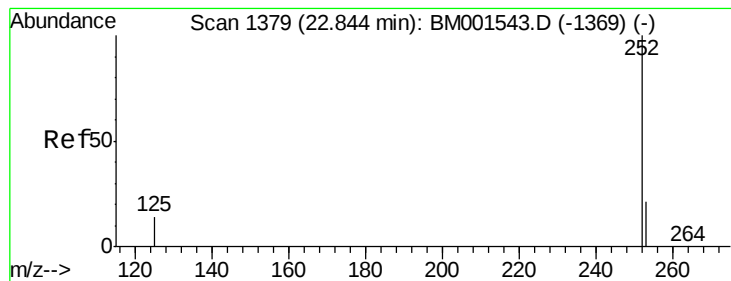


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 8.63 ng

RT: 22.85 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

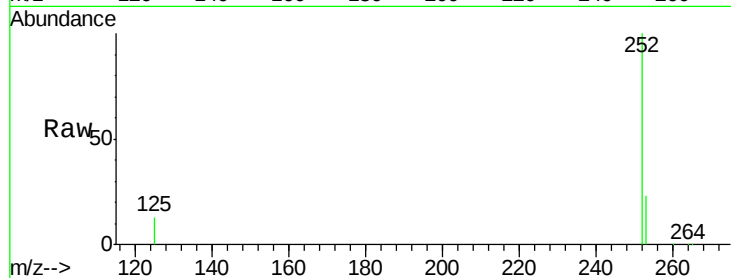
Tgt Ion:252 Resp: 200520

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

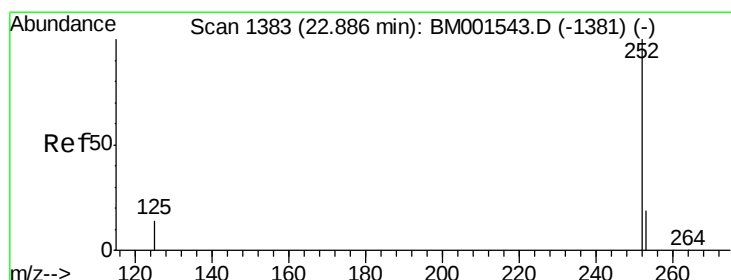
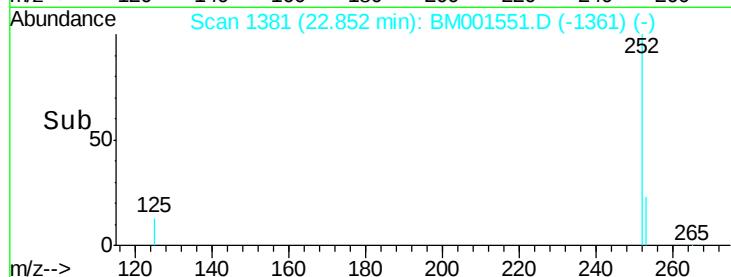
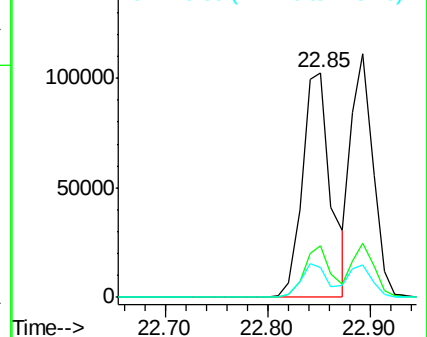
125 13.1 12.5 18.7



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



#34

Benzo(k)fluoranthene

Concen: 7.68 ng

RT: 22.89 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

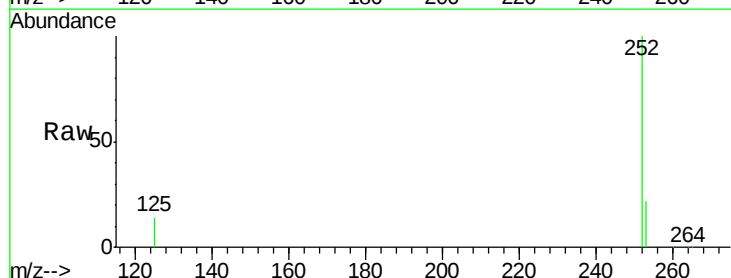
Tgt Ion:252 Resp: 165832

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

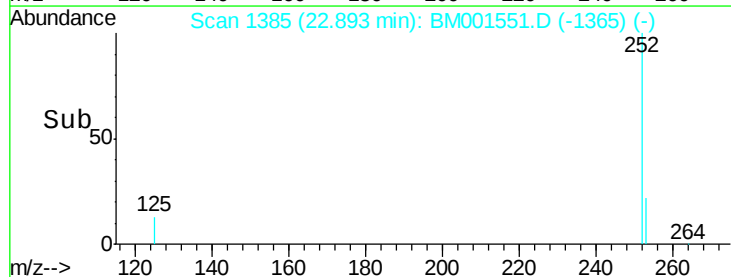
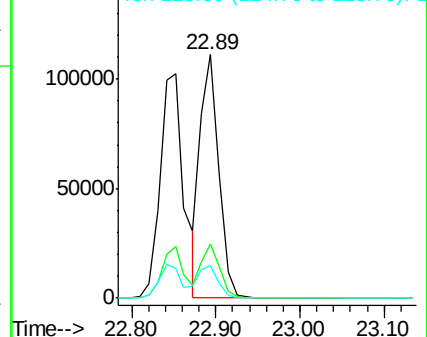
125 13.5 12.5 18.7

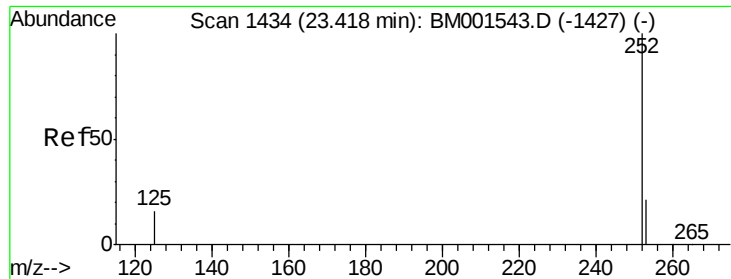


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 8.30 ng

RT: 23.43 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

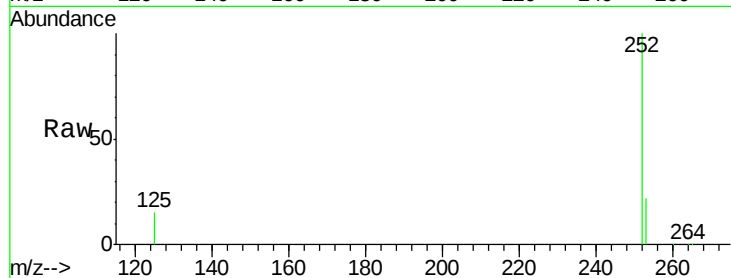
Tgt Ion: 252 Resp: 174369

Ion Ratio Lower Upper

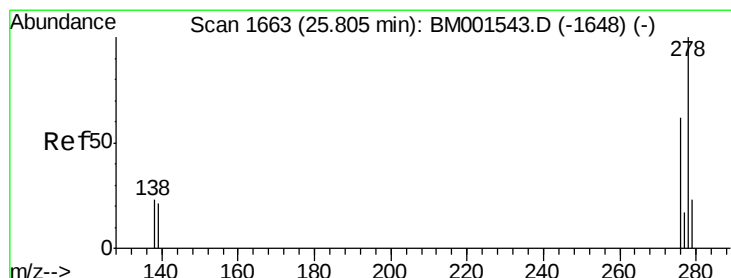
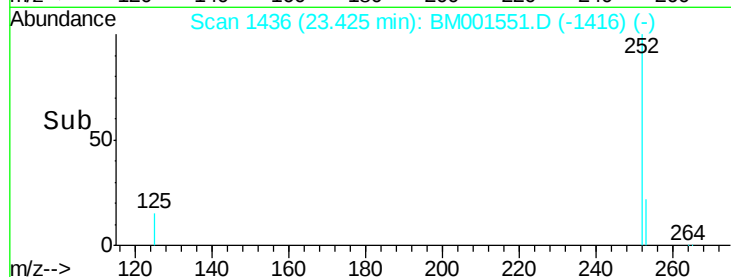
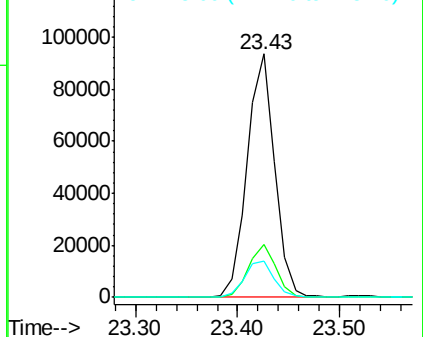
252 100

253 21.8 17.6 26.4

125 14.9 14.3 21.5



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



#36

Dibenzo(a,h)anthracene

Concen: 7.75 ng

RT: 25.80 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

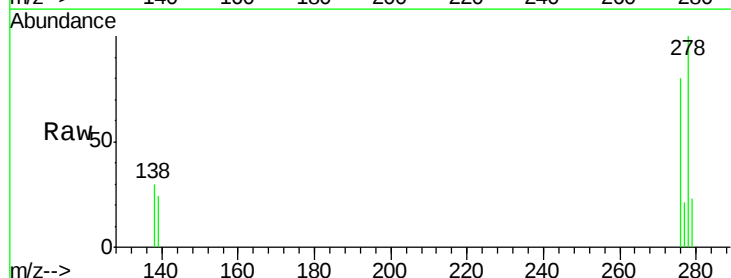
Tgt Ion: 278 Resp: 151260

Ion Ratio Lower Upper

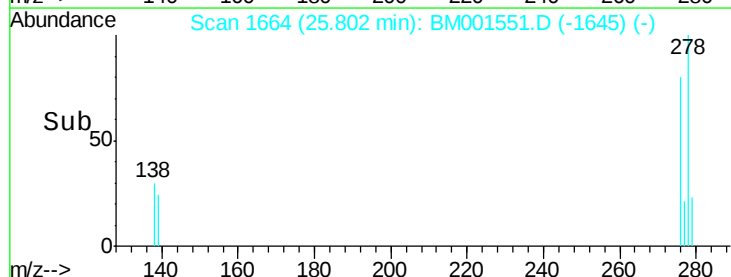
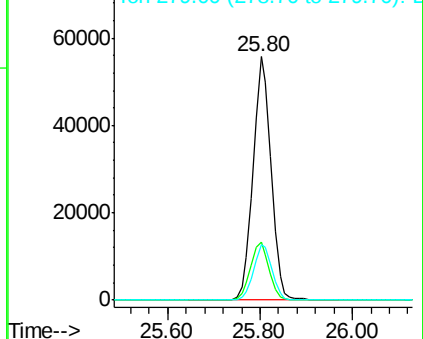
278 100

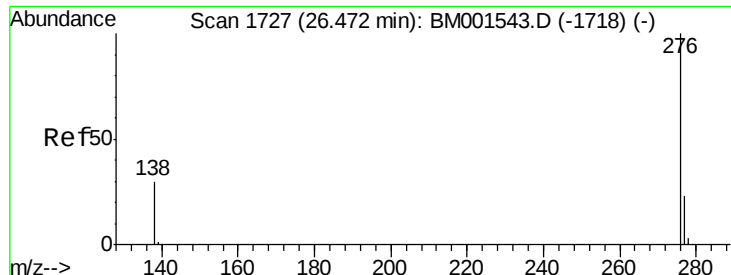
139 24.1 18.0 27.0

279 23.0 19.8 29.8



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





#37

Benzo(g,h,i)perylene

Concen: 7.54 ng

RT: 26.48 min Scan# 1729

Delta R.T. 0.01 min

Lab File: BM001551.D

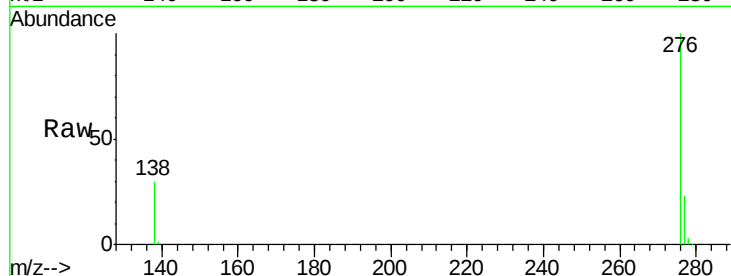
Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD



Tgt Ion: 276 Resp: 154723

Ion Ratio Lower Upper

276 100

277 23.5 19.3 28.9

138 30.5 25.0 37.6

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

