

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061915\NEW FOLDER\  
 Data File : BM001751.D  
 Acq On : 18 Jun 2015 23:47  
 Operator : TP/IZ  
 Sample : PB84083BSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB84083BSD

Quant Time: Jun 19 09:12:34 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM061915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 05:05:14 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 15630    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.46 | 136  | 58021    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.32 | 164  | 28286    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.06 | 188  | 70572    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.25 | 240  | 48654    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.47 | 264  | 42758    | 5.00 | ng    | 0.00     |

|                             |       |     |       |       |    |      |
|-----------------------------|-------|-----|-------|-------|----|------|
| System Monitoring Compounds |       |     |       |       |    |      |
| 4) 2-Fluorophenol           | 5.25  | 112 | 41850 | 11.45 | ng | 0.00 |
| 5) Phenol-d6                | 6.83  | 99  | 56482 | 12.01 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.83  | 82  | 35416 | 7.82  | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 15.80 | 330 | 12870 | 14.57 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 12.94 | 172 | 72515 | 7.17  | ng | 0.00 |
| 27) Terphenyl-d14           | 19.70 | 244 | 50177 | 7.00  | ng | 0.00 |

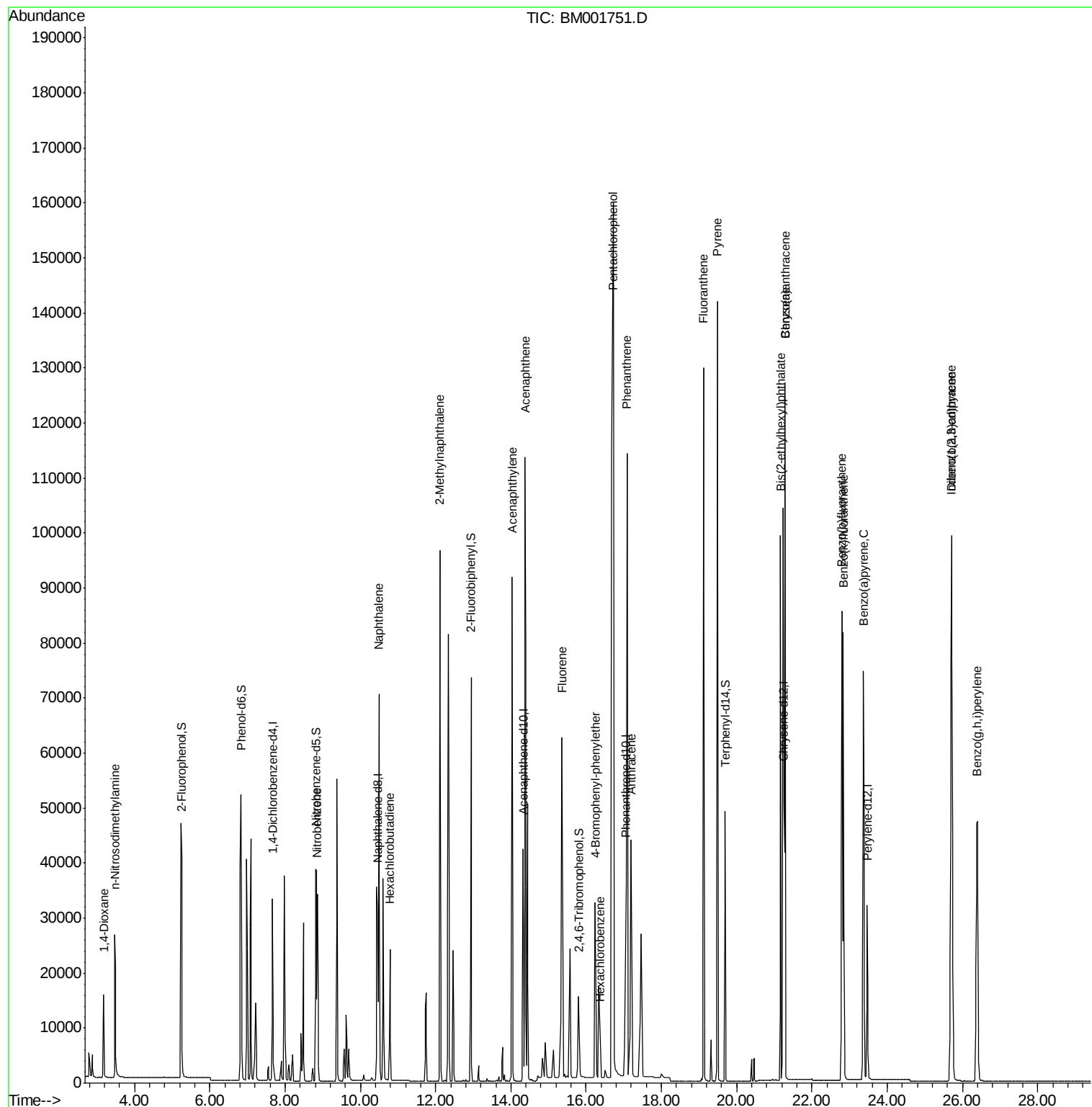
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 12004  | 6.74   | ng | 95    |
| 3) n-Nitrosodimethylamine      | 3.48  | 42  | 20672  | 7.51   | ng | 98    |
| 8) Nitrobenzene                | 8.86  | 77  | 39794  | 8.17   | ng | 98    |
| 9) Naphthalene                 | 10.49 | 128 | 99406  | 7.01   | ng | 98    |
| 10) Hexachlorobutadiene        | 10.78 | 225 | 16888  | 7.08   | ng | 99    |
| 11) 2-Methylnaphthalene        | 12.12 | 142 | 66435  | 7.36   | ng | 99    |
| 15) Acenaphthylene             | 14.03 | 152 | 107834 | 8.02   | ng | 99    |
| 16) Acenaphthene               | 14.37 | 154 | 63236  | 7.51   | ng | 97    |
| 17) Fluorene                   | 15.36 | 166 | 61686  | 8.55   | ng | 97    |
| 19) 4-Bromophenyl-phenylether  | 16.24 | 248 | 25394  | 8.77   | ng | # 82  |
| 20) Hexachlorobenzene          | 16.38 | 284 | 13330  | 6.70   | ng | # 100 |
| 21) Pentachlorophenol          | 16.72 | 266 | 146326 | 165.28 | ng | 94    |
| 22) Phenanthrene               | 17.09 | 178 | 173676 | 7.18   | ng | 98    |
| 23) Anthracene                 | 17.19 | 178 | 66364  | 6.50   | ng | # 94  |
| 24) Fluoranthene               | 19.12 | 202 | 124132 | 8.14   | ng | 100   |
| 26) Pyrene                     | 19.48 | 202 | 136025 | 8.03   | ng | 99    |
| 28) Benzo(a)anthracene         | 21.28 | 228 | 109176 | 7.45   | ng | 96    |
| 29) Chrysene                   | 21.28 | 228 | 109430 | 7.10   | ng | 95    |
| 30) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 84818  | 10.03  | ng | 98    |
| 31) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 112770 | 7.61   | ng | 99    |
| 33) Benzo(b)fluoranthene       | 22.79 | 252 | 105064 | 7.49   | ng | 95    |
| 34) Benzo(k)fluoranthene       | 22.83 | 252 | 103506 | 8.24   | ng | 96    |
| 35) Benzo(a)pyrene             | 23.37 | 252 | 98762  | 8.36   | ng | 97    |
| 36) Dibenzo(a,h)anthracene     | 25.71 | 278 | 91731  | 7.84   | ng | 96    |
| 37) Benzo(g,h,i)perylene       | 26.39 | 276 | 94483  | 7.68   | ng | 98    |

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

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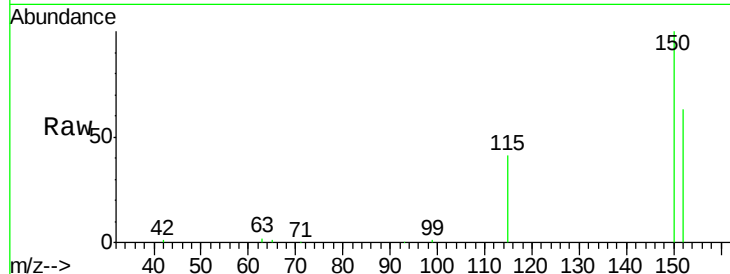


#1

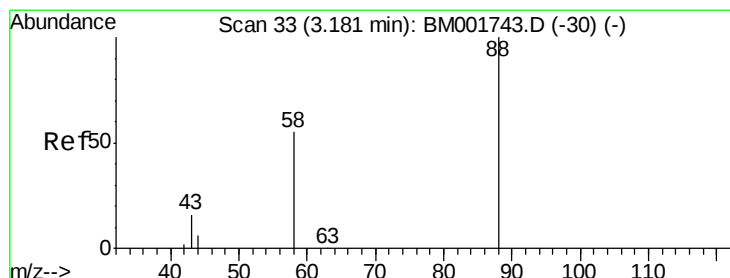
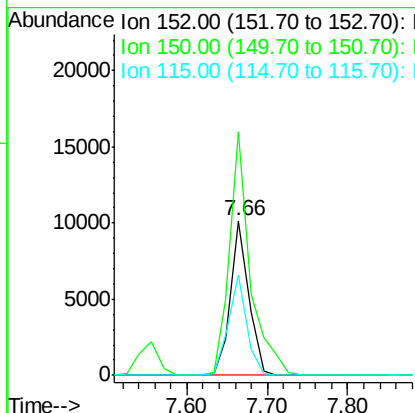
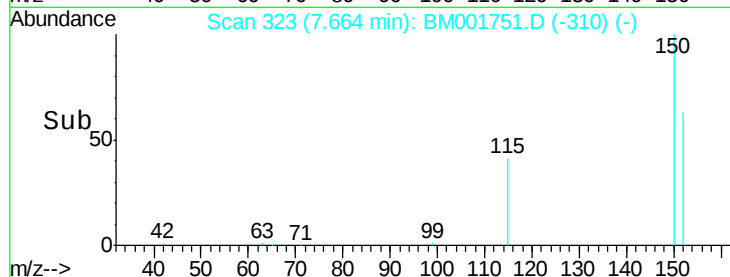
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.66 min Scan# 323  
Delta R.T. 0.00 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

Instrument :  
BNA\_M  
ClientSampleId :  
PB84083BSD

Tot Ion:152 Resp: 15630  
Ion Ratio Lower Upper  
152 100  
150 157.6 127.5 191.3  
115 64.6 53.2 79.8



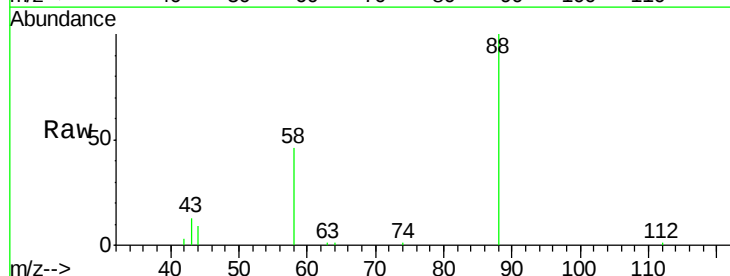
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



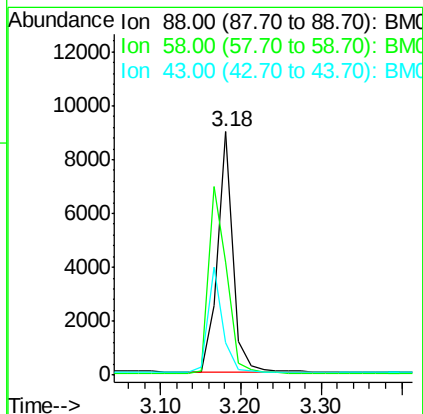
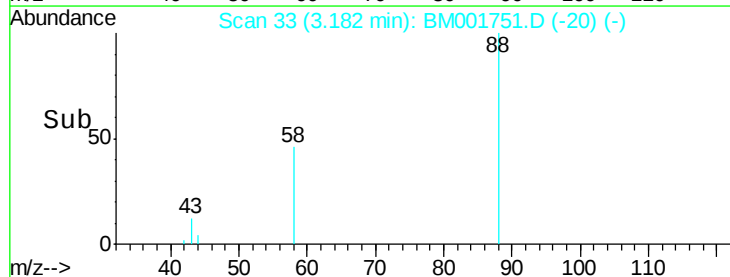
#2

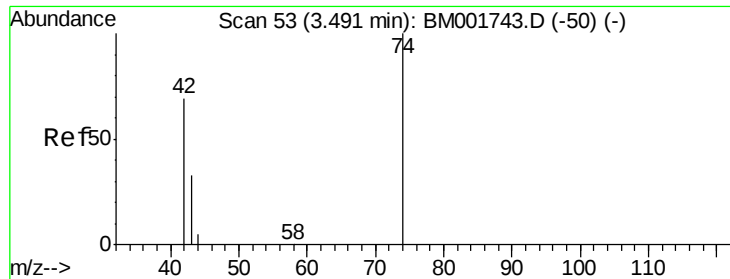
1,4-Dioxane  
Concen: 6.74 ng  
RT: 3.18 min Scan# 33  
Delta R.T. 0.00 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

Tgt Ion: 88 Resp: 12004  
Ion Ratio Lower Upper  
88 100  
58 91.7 68.3 102.5  
43 41.9 32.6 48.8



Abundance Ion 88.00 (87.70 to 88.70): BM  
Ion 58.00 (57.70 to 58.70): BM  
Ion 43.00 (42.70 to 43.70): BM





#3

n-Nitrosodimethylamine

Concen: 7.51 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

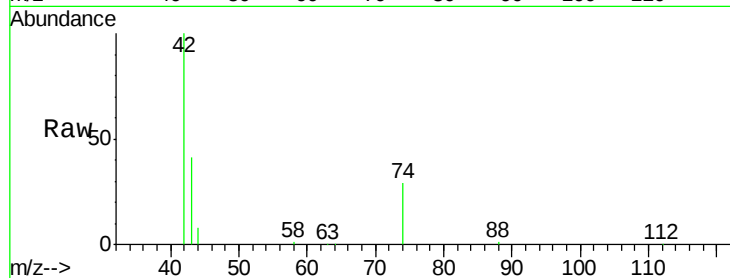
Tot Ion: 42 Resp: 20672

Ion Ratio Lower Upper

42 100

74 96.0 78.6 118.0

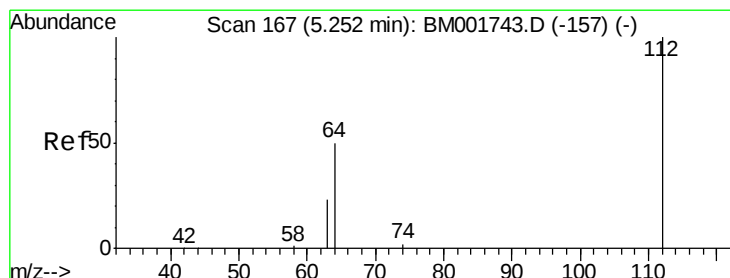
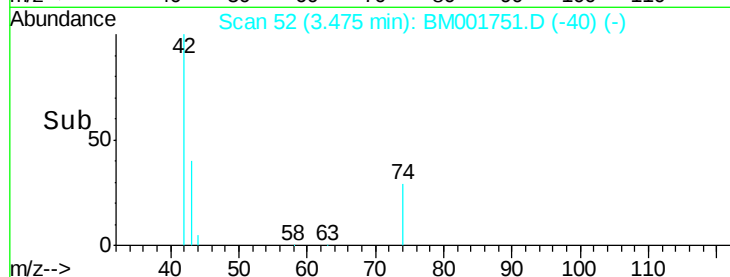
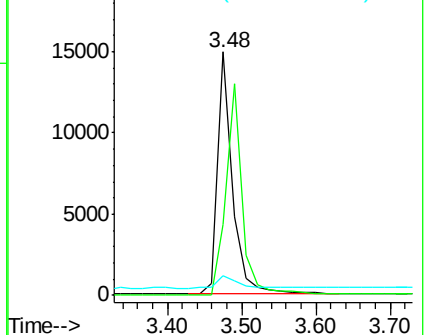
44 6.4 5.0 7.6



Abundance Ion 42.00 (41.70 to 42.70): BM001743.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM001743.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001743.D (-50) (-)



#4

2-Fluorophenol

Concen: 11.45 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

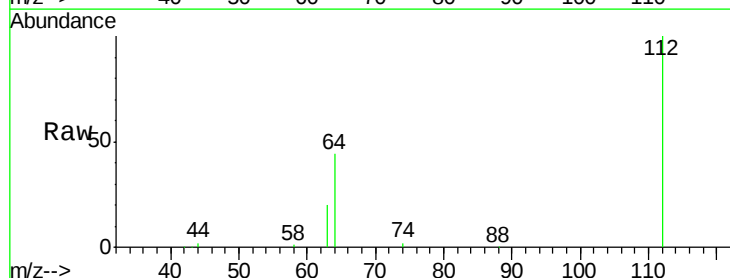
Tgt Ion: 112 Resp: 41850

Ion Ratio Lower Upper

112 100

64 69.7 55.6 83.4

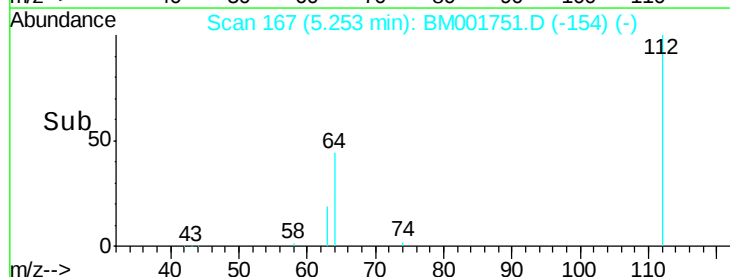
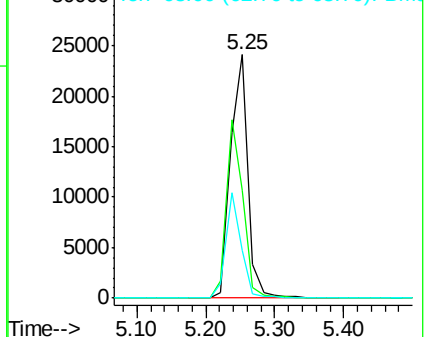
63 38.1 30.2 45.2

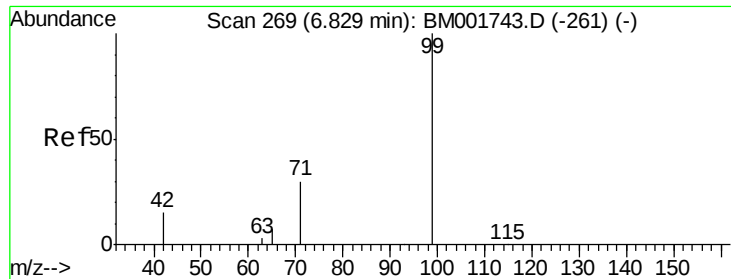


Abundance Ion 112.00 (111.70 to 112.70): BM001743.D (-157) (-)

Ion 64.00 (63.70 to 64.70): BM001743.D (-157) (-)

Ion 63.00 (62.70 to 63.70): BM001743.D (-157) (-)





#5

Phenol-d6

Concen: 12.01 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

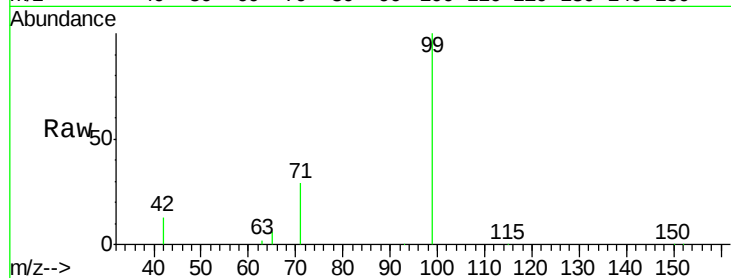
Tot Ion: 99 Resp: 56482

Ion Ratio Lower Upper

99 100

42 26.0 21.4 32.0

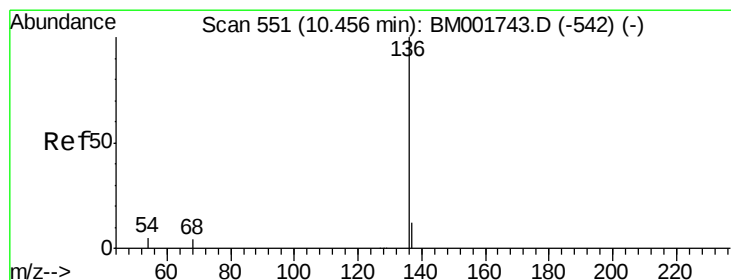
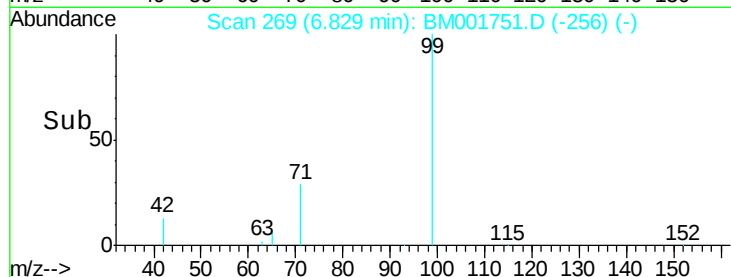
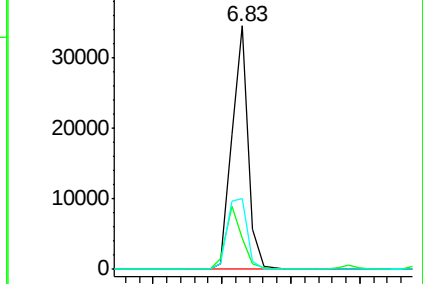
71 35.5 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BM001751.D (-256) (-)

Ion 42.00 (41.70 to 42.70): BM001751.D (-256) (-)

Ion 71.00 (70.70 to 71.70): BM001751.D (-256) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Tgt Ion: 136 Resp: 58021

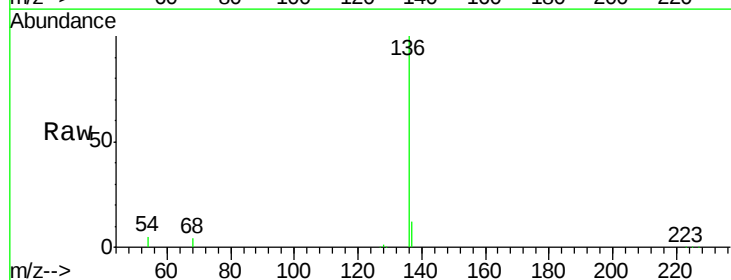
Ion Ratio Lower Upper

136 100

137 11.8 9.4 14.0

54 5.3 4.4 6.6

68 3.9 3.1 4.7

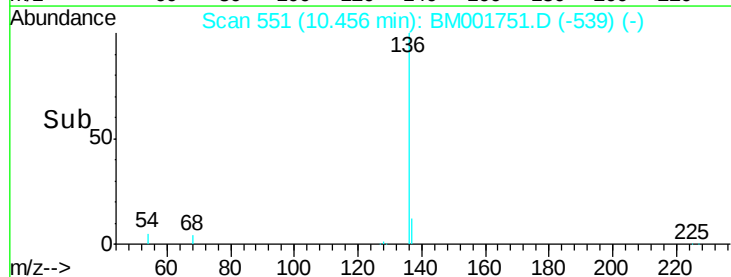
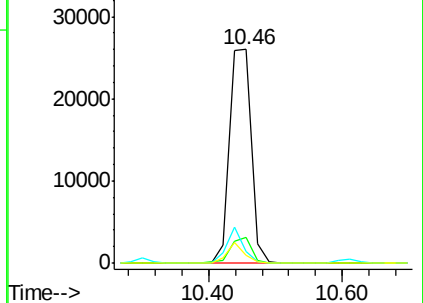


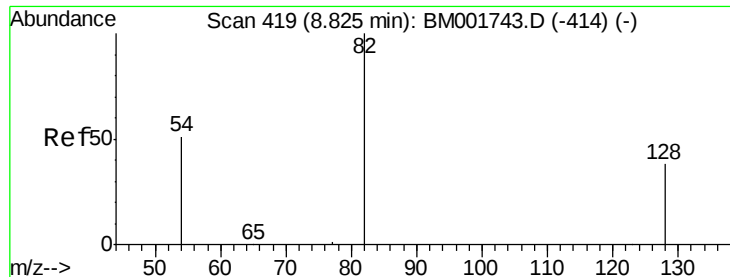
Abundance Ion 136.00 (135.70 to 136.70): BM001751.D (-539) (-)

Ion 137.00 (136.70 to 137.70): BM001751.D (-539) (-)

Ion 54.00 (53.70 to 54.70): BM001751.D (-539) (-)

Ion 68.00 (67.70 to 68.70): BM001751.D (-539) (-)





#7

Nitrobenzene-d5

Concen: 7.82 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

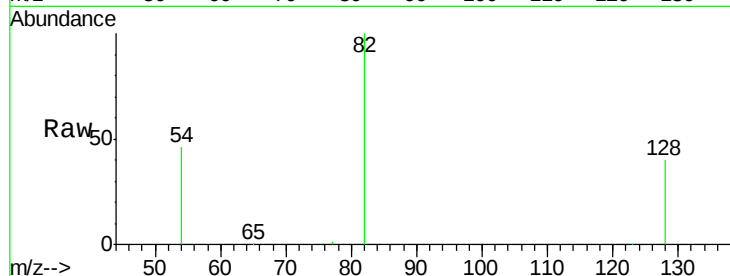
Tot Ion: 82 Resp: 35416

Ion Ratio Lower Upper

82 100

128 40.4 31.3 46.9

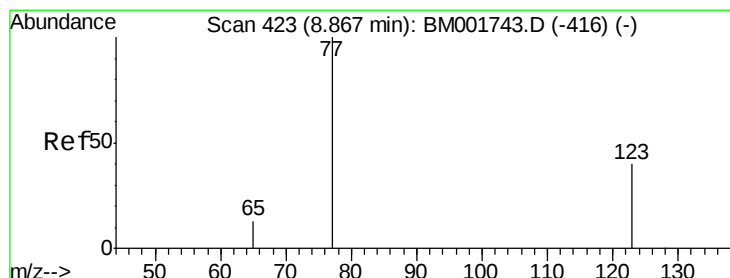
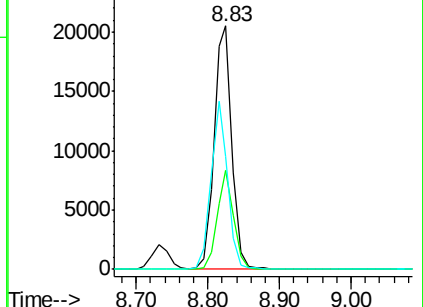
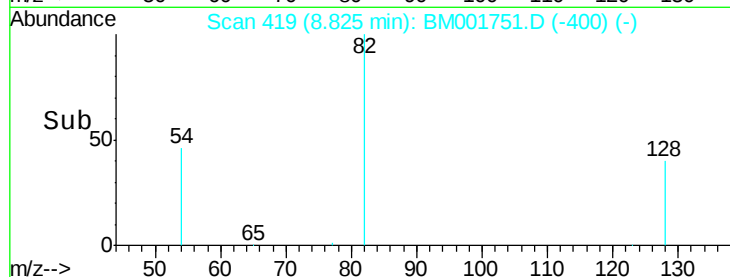
54 46.5 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BM001751.D (-400) (-)

Ion 128.00 (127.70 to 128.70): BM001751.D (-400) (-)

Ion 54.00 (53.70 to 54.70): BM001751.D (-400) (-)



#8

Nitrobenzene

Concen: 8.17 ng

RT: 8.86 min Scan# 422

Delta R.T. -0.01 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

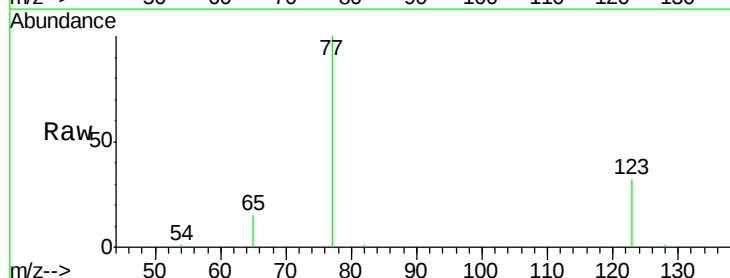
Tgt Ion: 77 Resp: 39794

Ion Ratio Lower Upper

77 100

123 39.1 30.1 45.1

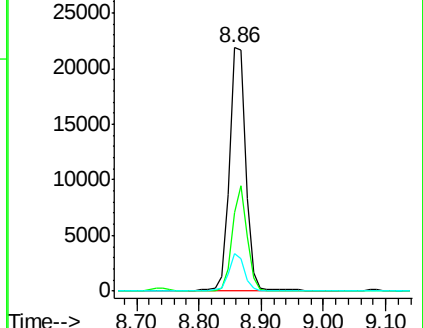
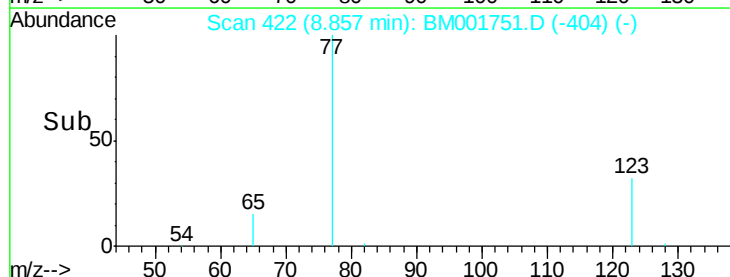
65 14.3 11.3 16.9

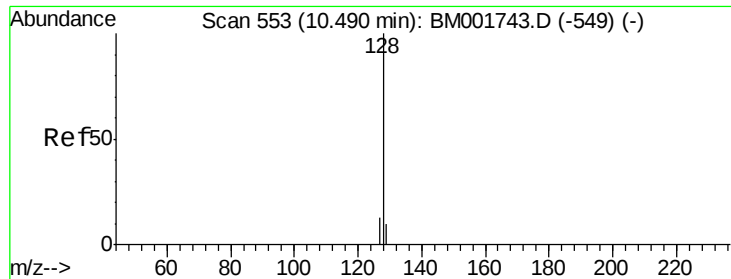


Abundance Ion 77.00 (76.70 to 77.70): BM001751.D (-404) (-)

Ion 123.00 (122.70 to 123.70): BM001751.D (-404) (-)

Ion 65.00 (64.70 to 65.70): BM001751.D (-404) (-)





#9

Naphthalene

Concen: 7.01 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

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ClientSampleId :

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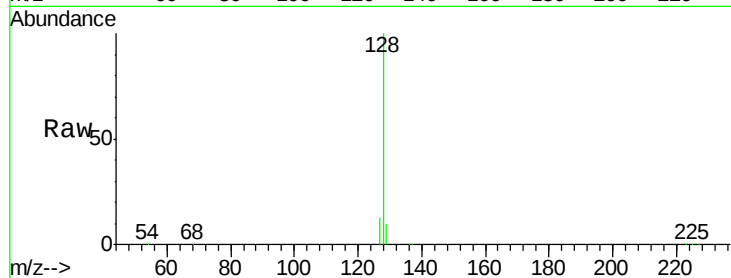
Tot Ion:128 Resp: 99406

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

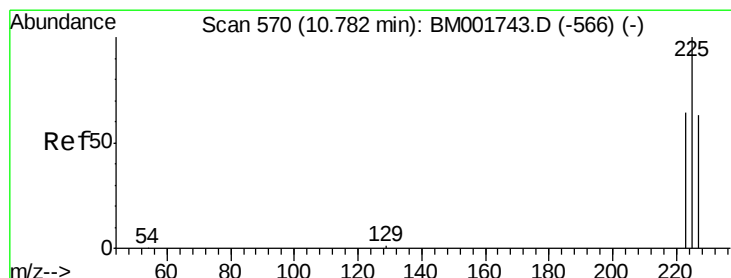
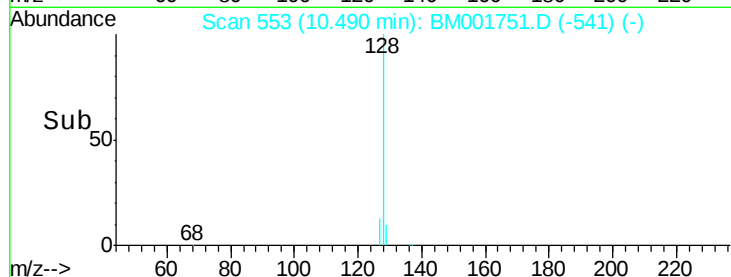
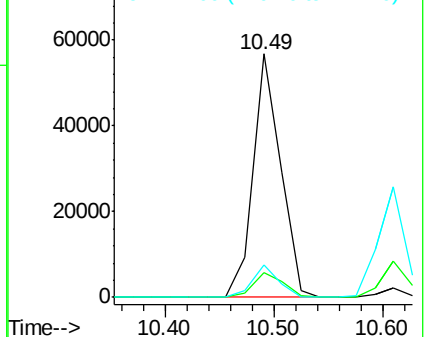
127 13.4 11.2 16.8



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: 7.08 ng

RT: 10.78 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

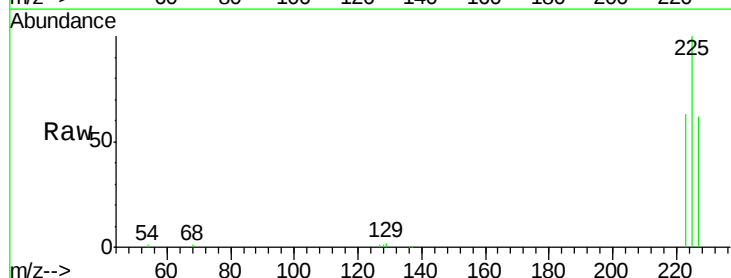
Tgt Ion:225 Resp: 16888

Ion Ratio Lower Upper

225 100

223 63.0 51.0 76.4

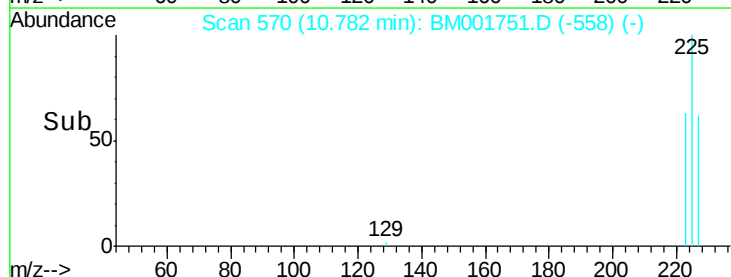
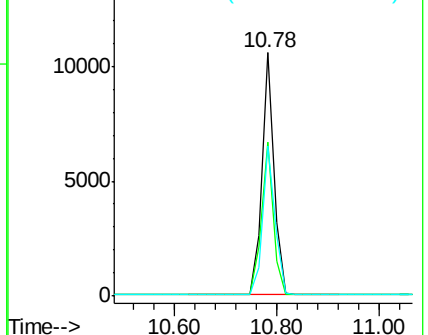
227 63.4 51.8 77.8



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: 7.36 ng

RT: 12.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleID :

PB84083BSD

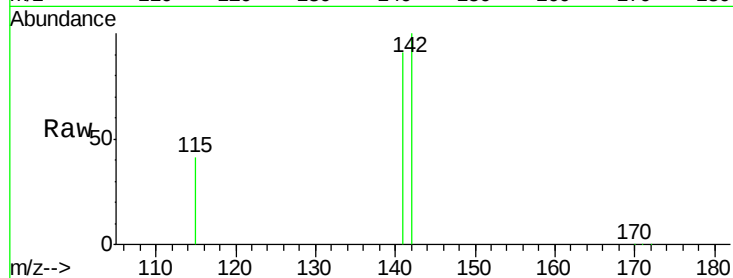
Tot Ion:142 Resp: 66435

Ion Ratio Lower Upper

142 100

141 91.1 73.6 110.4

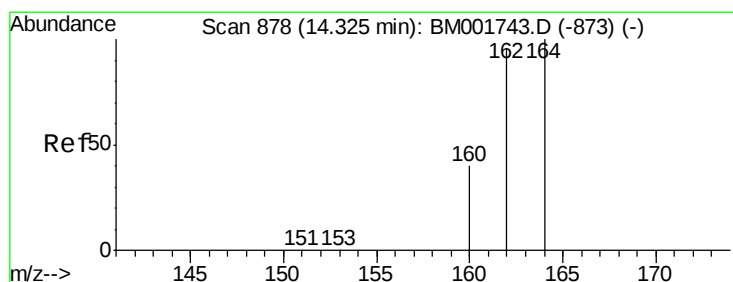
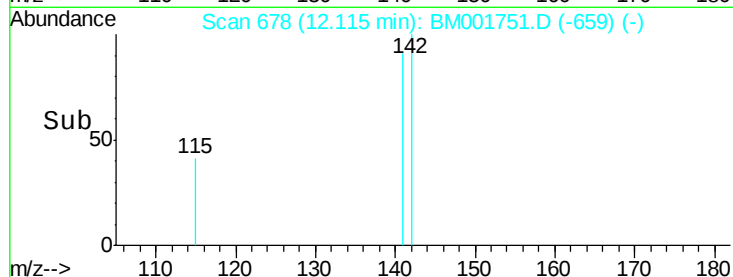
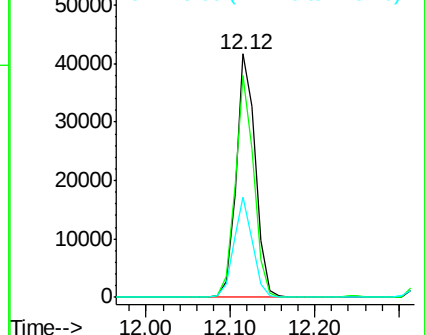
115 41.0 34.1 51.1



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: 14.32 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

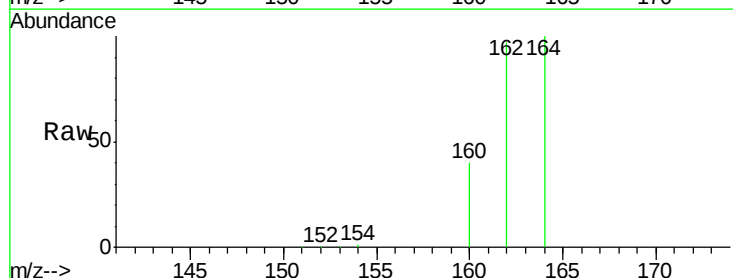
Tgt Ion:164 Resp: 28286

Ion Ratio Lower Upper

164 100

162 96.8 76.6 114.8

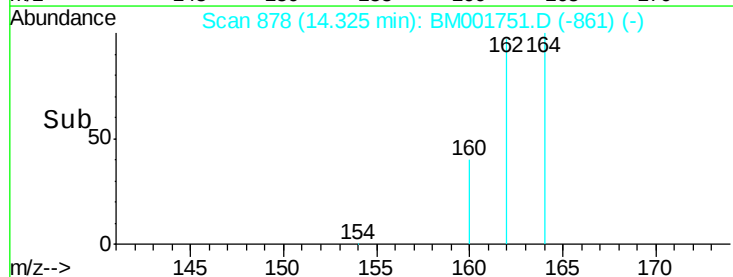
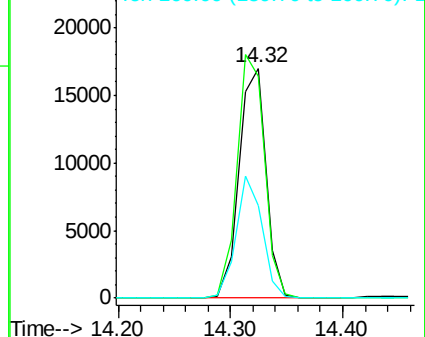
160 40.5 31.8 47.8

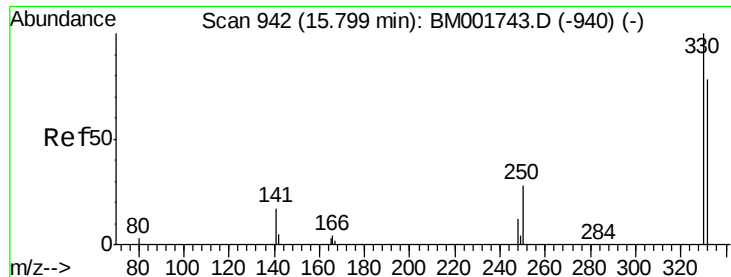


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

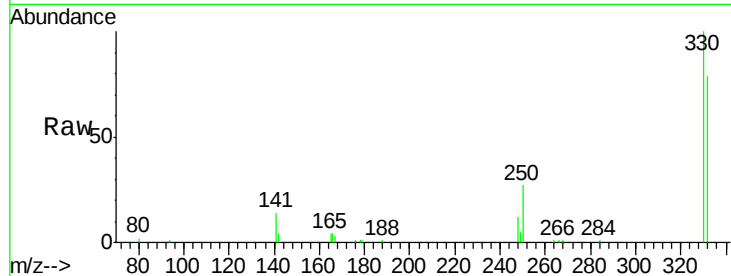




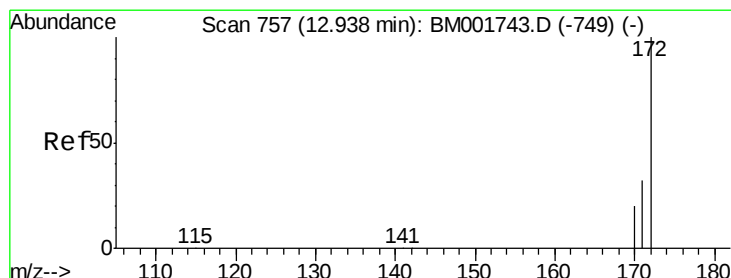
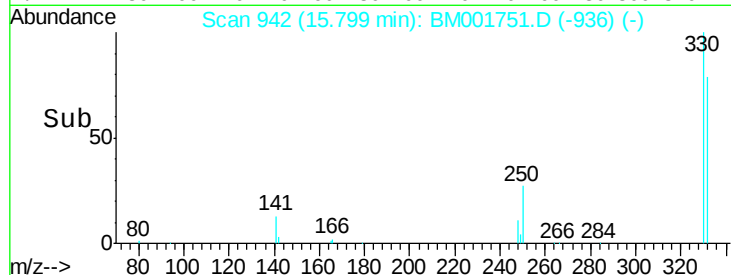
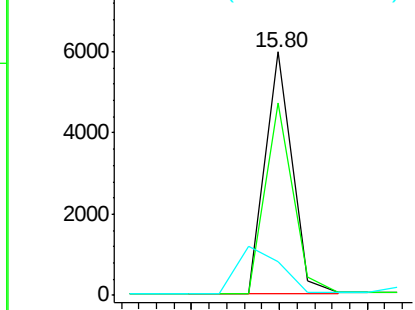
#13  
 2,4,6-Tribromophenol  
 Concen: 14.57 ng  
 RT: 15.80 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: BM001751.D  
 Acq: 18 Jun 2015 23:47

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB84083BSD

Tot Ion:330 Resp: 12870  
 Ion Ratio Lower Upper  
 330 100  
 332 81.6 65.8 98.8  
 141 0.0 0.0 0.0

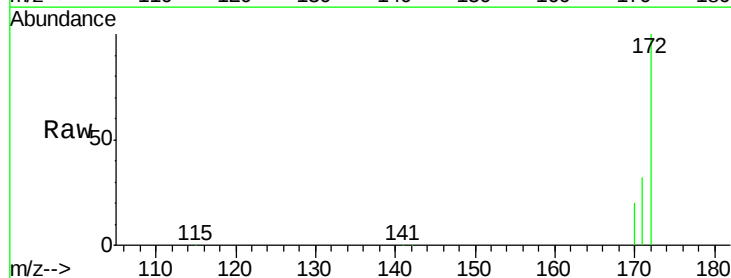


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

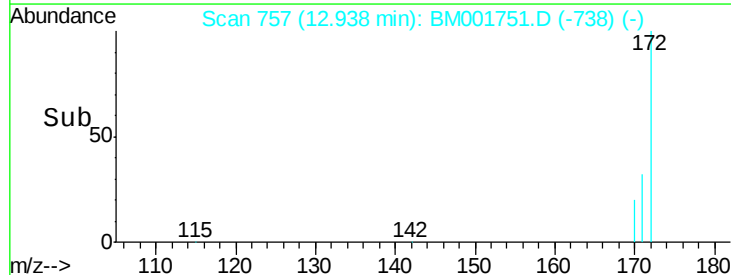
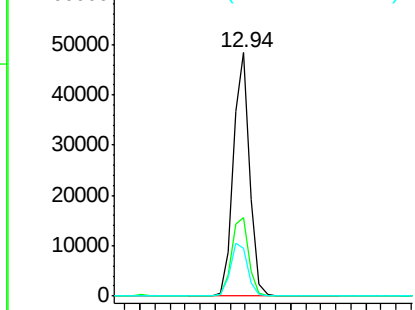


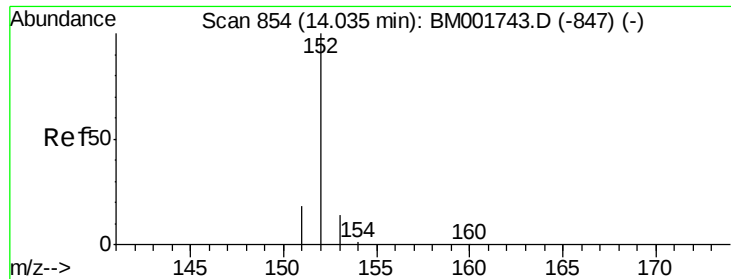
#14  
 2-Fluorobiphenyl  
 Concen: 7.17 ng  
 RT: 12.94 min Scan# 757  
 Delta R.T. 0.00 min  
 Lab File: BM001751.D  
 Acq: 18 Jun 2015 23:47

Tgt Ion:172 Resp: 72515  
 Ion Ratio Lower Upper  
 172 100  
 171 32.1 26.2 39.2  
 170 19.8 16.6 24.8



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: 8.02 ng

RT: 14.03 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

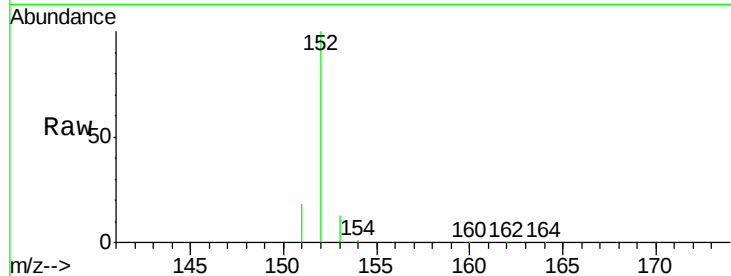
Tot Ion:152 Resp: 107834

Ion Ratio Lower Upper

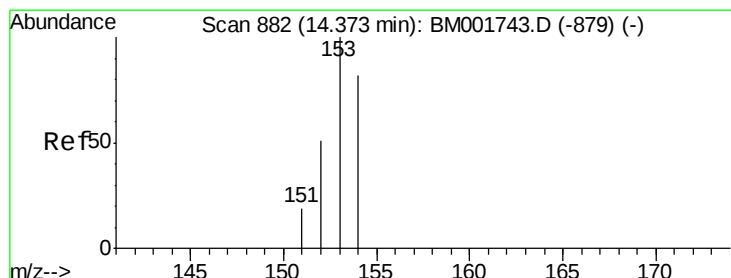
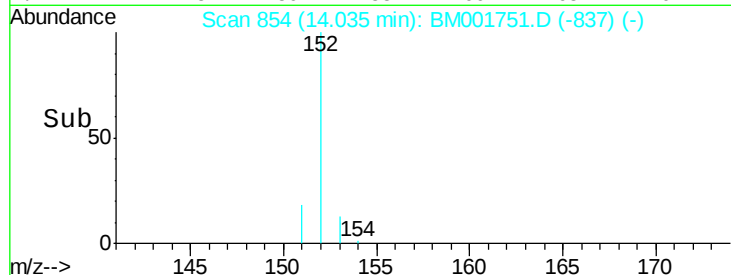
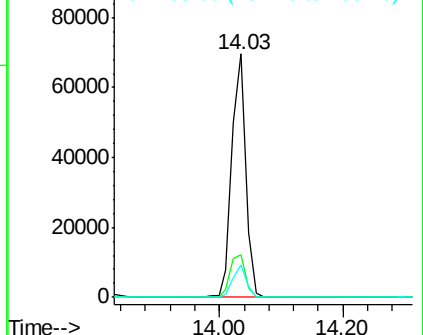
152 100

151 19.1 15.4 23.2

153 12.8 10.4 15.6



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: 7.51 ng

RT: 14.37 min Scan# 882

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

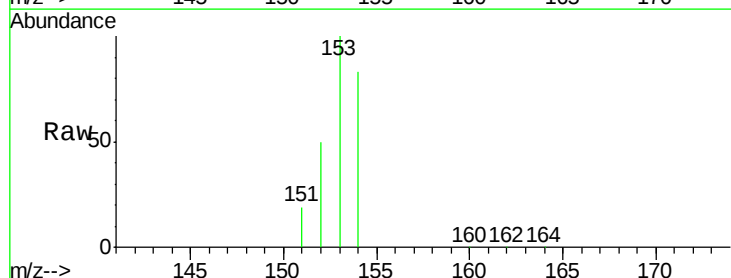
Tgt Ion:154 Resp: 63236

Ion Ratio Lower Upper

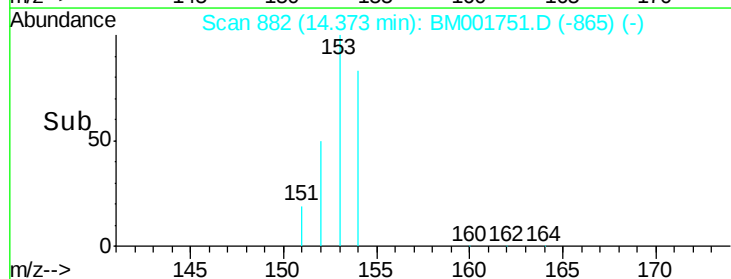
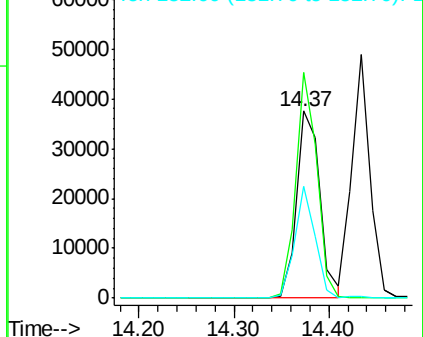
154 100

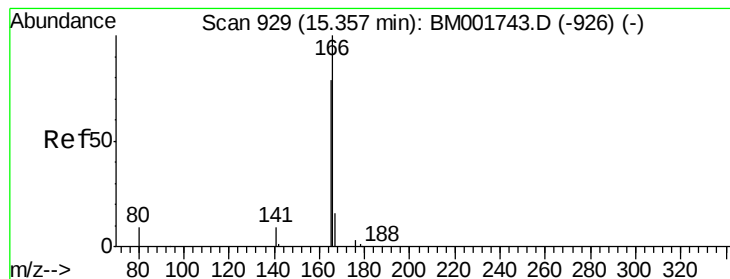
153 109.4 90.0 135.0

152 52.9 44.2 66.4



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: 8.55 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

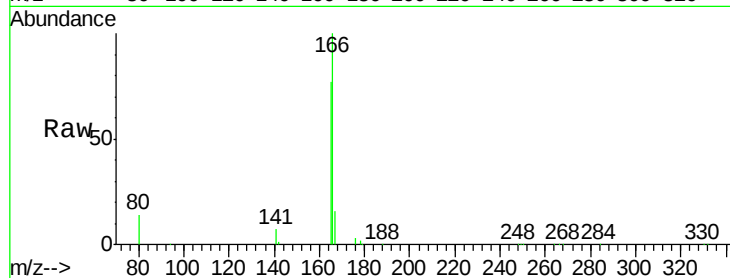
Tot Ion:166 Resp: 61686

Ion Ratio Lower Upper

166 100

165 82.0 68.2 102.2

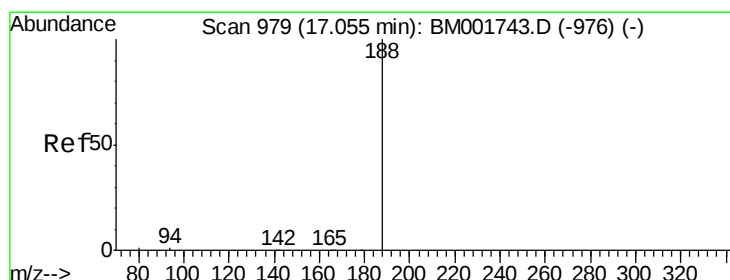
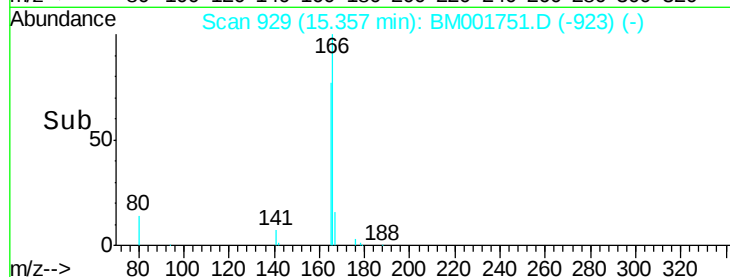
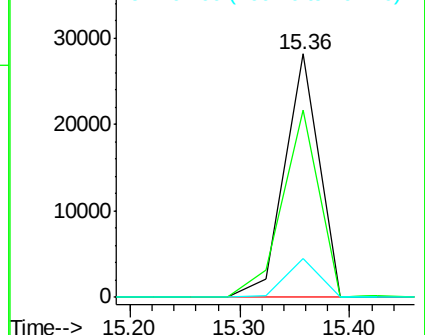
167 15.3 12.2 18.2



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: 17.06 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

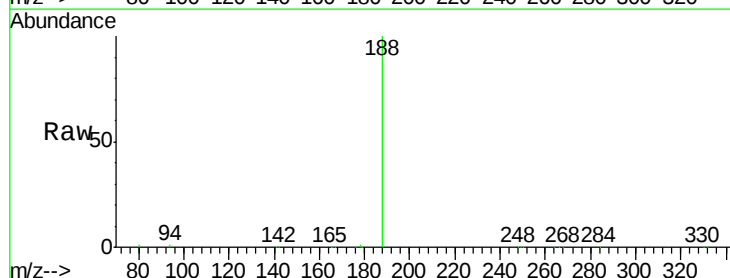
Tgt Ion:188 Resp: 70572

Ion Ratio Lower Upper

188 100

94 1.4 1.3 1.9

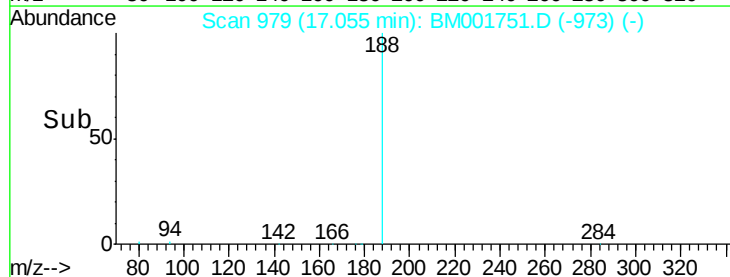
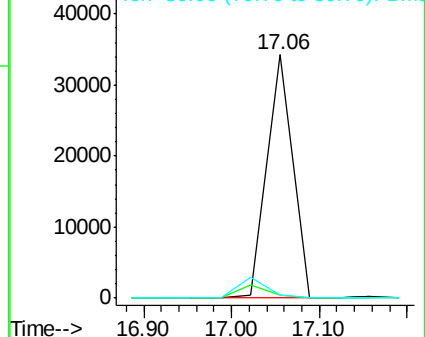
80 1.2 1.0 1.6

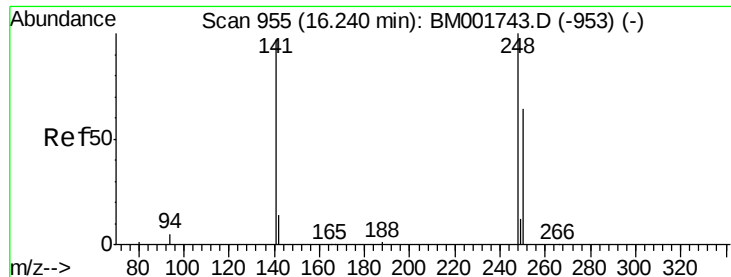


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

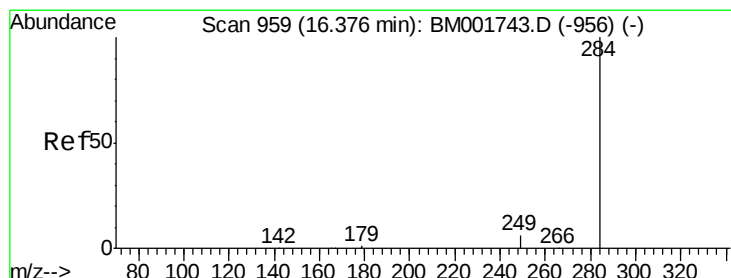
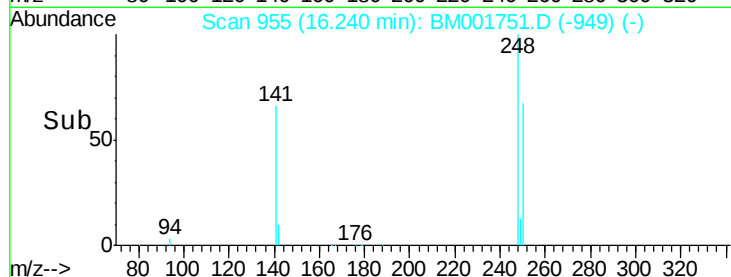
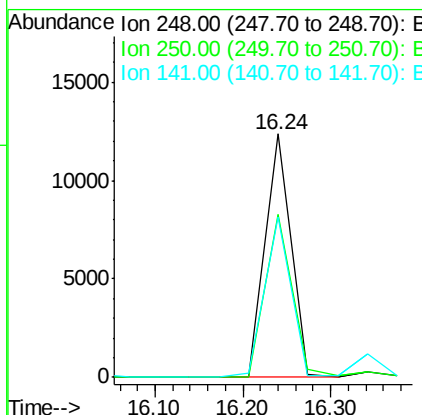
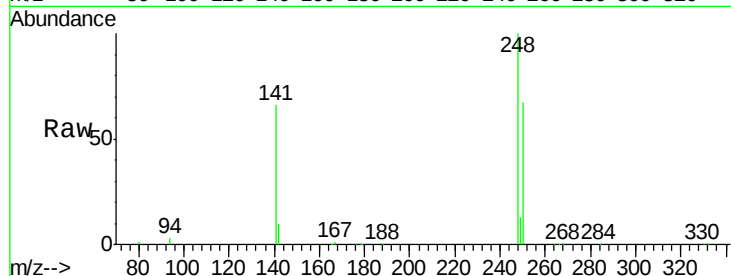




#19  
4-Bromophenyl-phenylether  
Concen: 8.77 ng  
RT: 16.24 min Scan# 955  
Delta R.T. 0.00 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

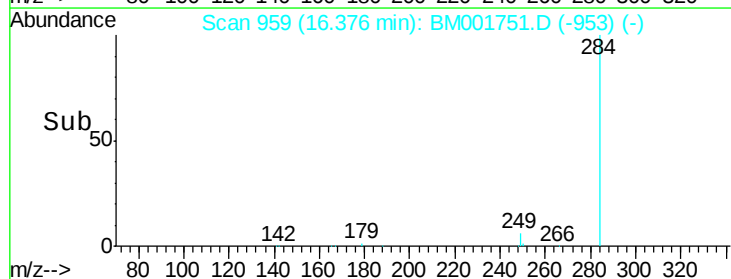
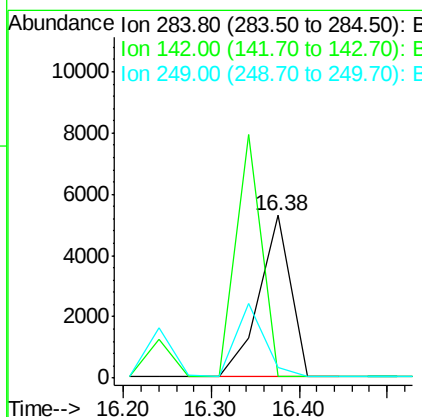
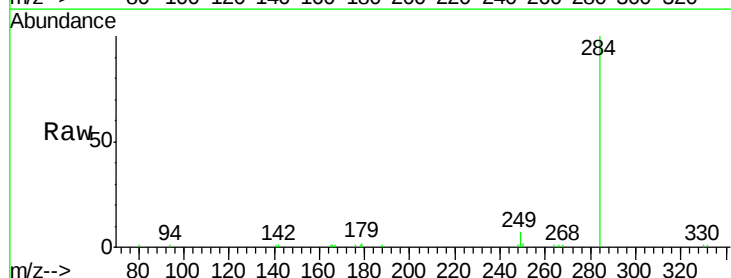
Instrument :  
BNA\_M  
ClientSampleId :  
PB84083BSD

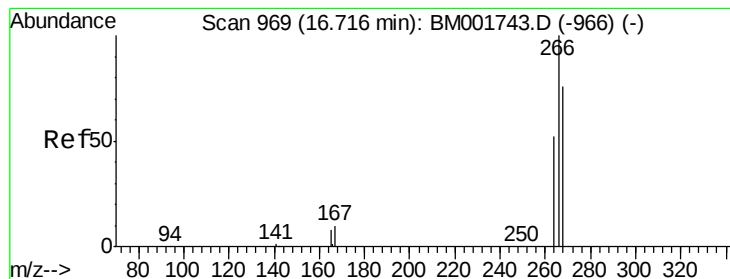
Tot Ion:248 Resp: 25394  
Ion Ratio Lower Upper  
248 100  
250 69.0 54.8 82.2  
141 66.4 76.2 114.4#



#20  
Hexachlorobenzene  
Concen: 6.70 ng  
RT: 16.38 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

Tgt Ion:284 Resp: 13330  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 0.0 0.0





#21

Pentachlorophenol

Concen: 165.28 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

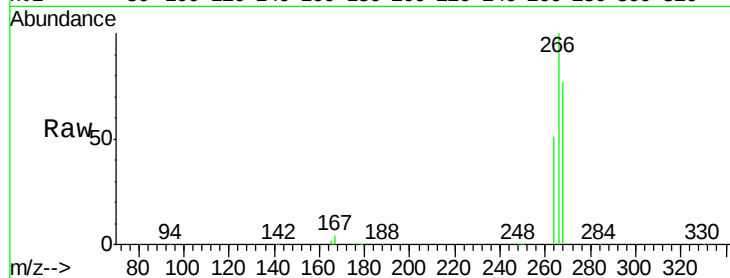
Tot Ion:266 Resp: 146326

Ion Ratio Lower Upper

266 100

268 76.8 63.2 94.8

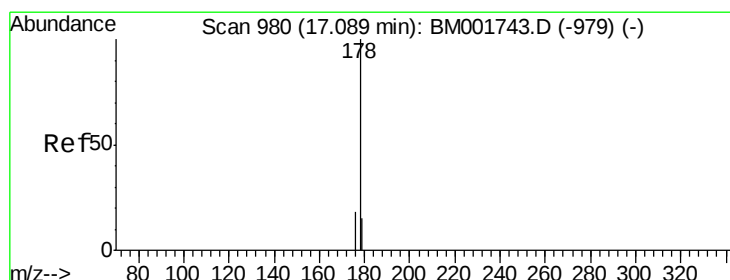
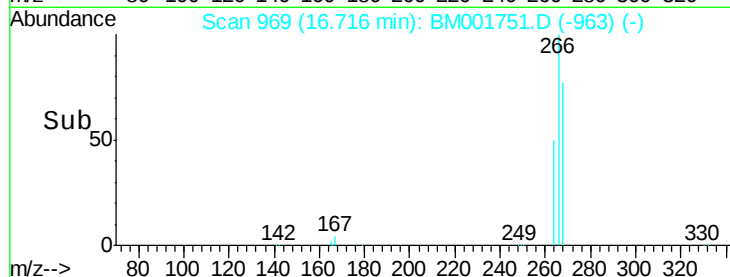
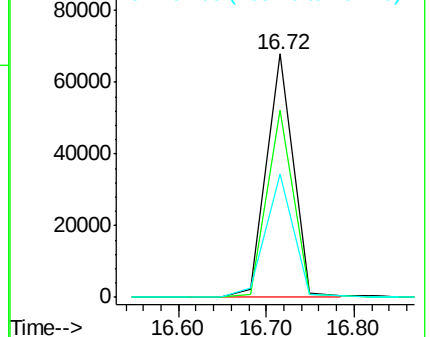
264 50.5 46.2 69.2



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: 7.18 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

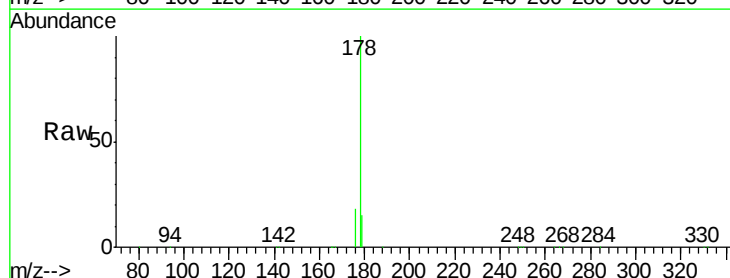
Tgt Ion:178 Resp: 173676

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

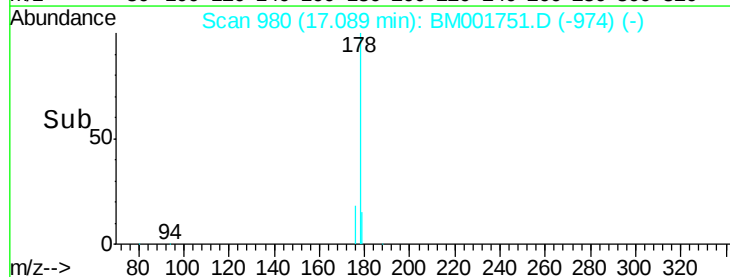
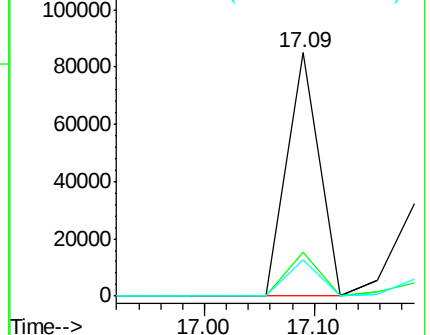
179 15.0 12.6 19.0

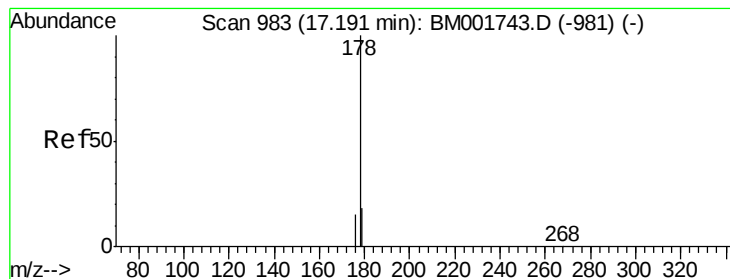


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 6.50 ng

RT: 17.19 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

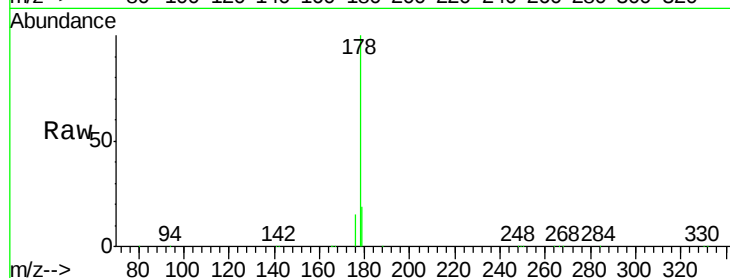
Tot Ion:178 Resp: 66364

Ion Ratio Lower Upper

178 100

176 14.4 10.0 15.0

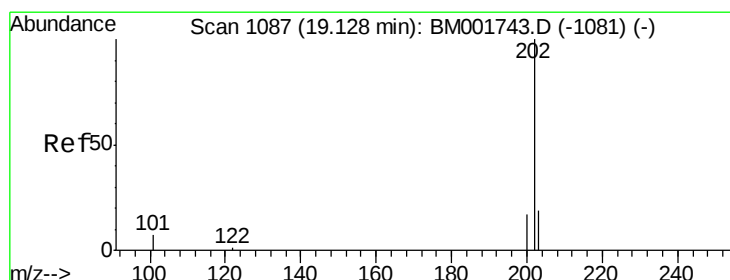
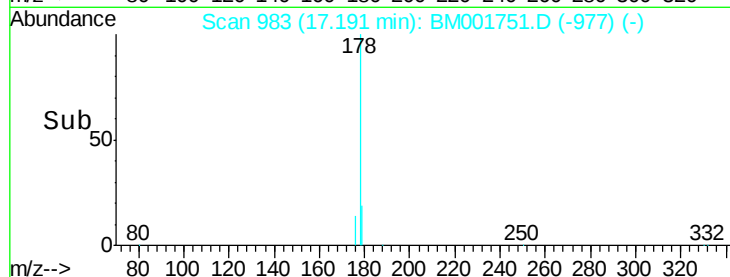
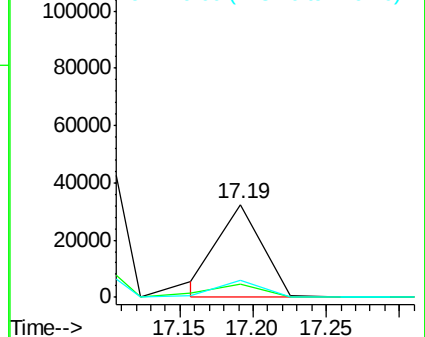
179 18.5 12.3 18.5#



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



#24

Fluoranthene

Concen: 8.14 ng

RT: 19.12 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

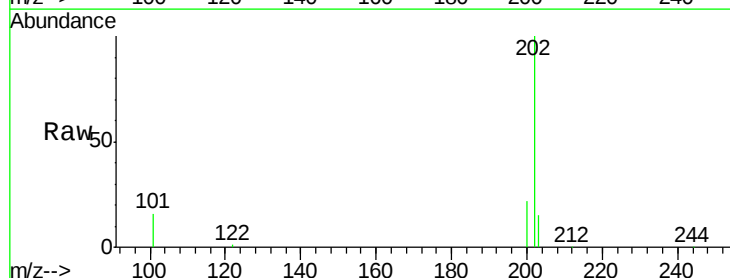
Tgt Ion:202 Resp: 124132

Ion Ratio Lower Upper

202 100

101 13.7 10.8 16.2

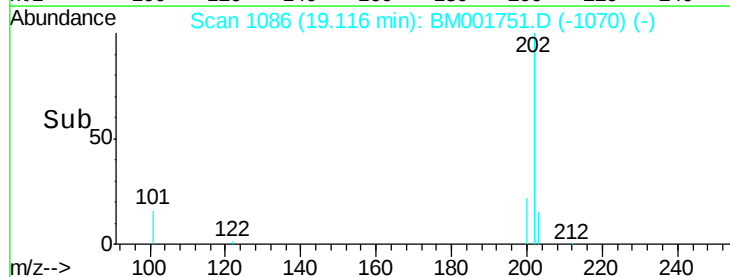
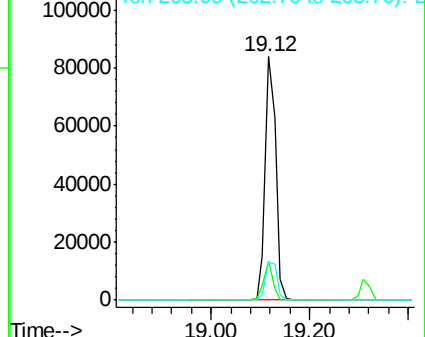
203 17.4 13.8 20.6

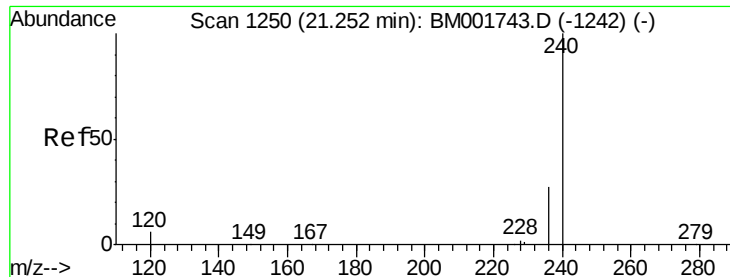


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

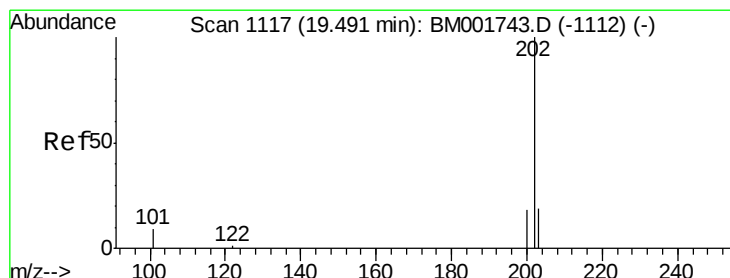
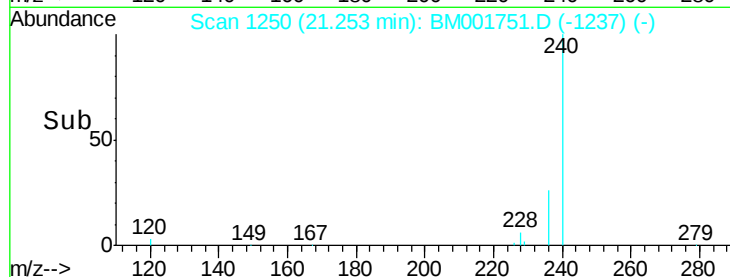
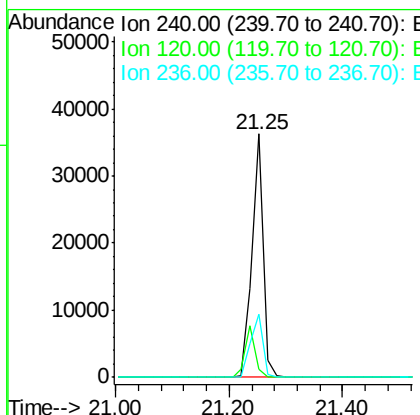
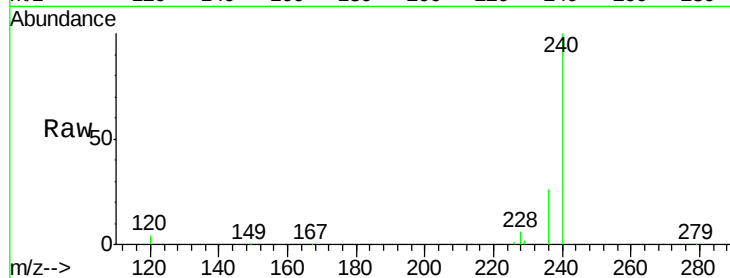




#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.25 min Scan# 1250  
Delta R.T. 0.00 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

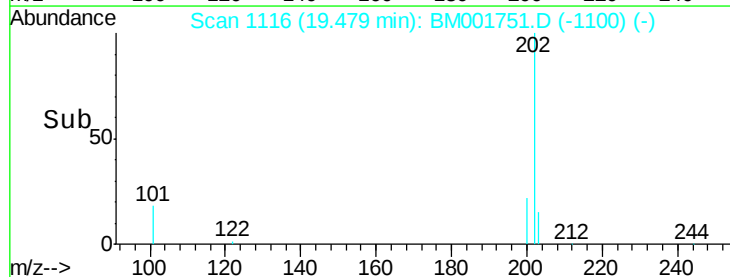
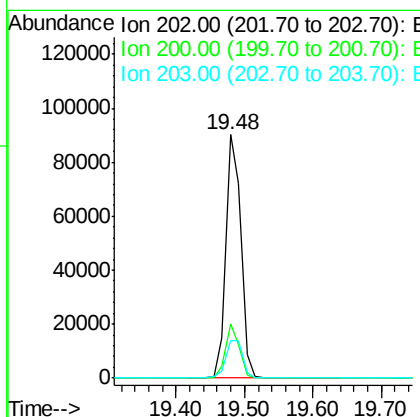
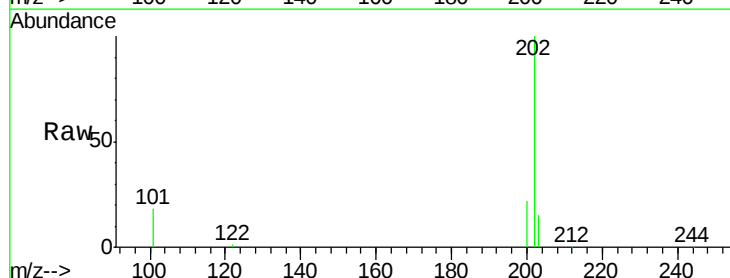
Instrument :  
BNA\_M  
ClientSampleId :  
PB84083BSD

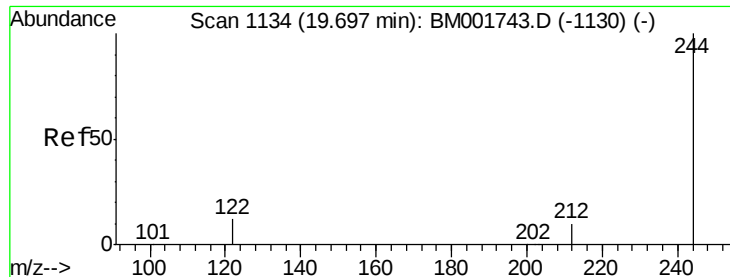
Tot Ion:240 Resp: 48654  
Ion Ratio Lower Upper  
240 100  
120 3.5 4.7 7.1#  
236 25.7 21.6 32.4



#26  
Pyrene  
Concen: 8.03 ng  
RT: 19.48 min Scan# 1116  
Delta R.T. -0.01 min  
Lab File: BM001751.D  
Acq: 18 Jun 2015 23:47

Tgt Ion:202 Resp: 136025  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.6 24.8  
203 17.7 13.9 20.9





#27

Terphenyl-d14

Concen: 7.00 ng

RT: 19.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

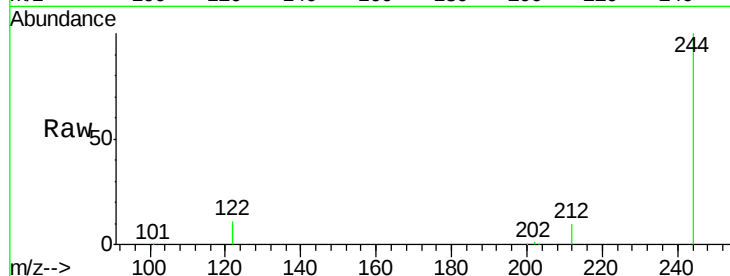
Tot Ion:244 Resp: 50177

Ion Ratio Lower Upper

244 100

212 10.0 8.6 13.0

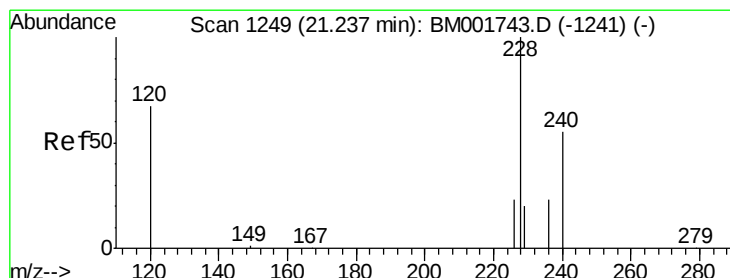
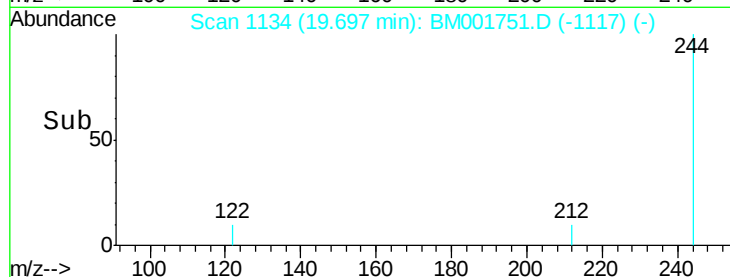
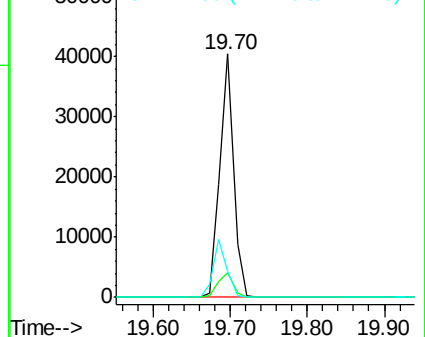
122 10.8 10.6 15.8



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: 7.45 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.05 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

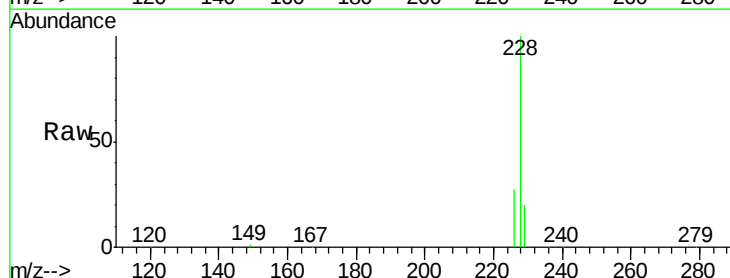
Tgt Ion:228 Resp: 109176

Ion Ratio Lower Upper

228 100

226 27.1 18.9 28.3

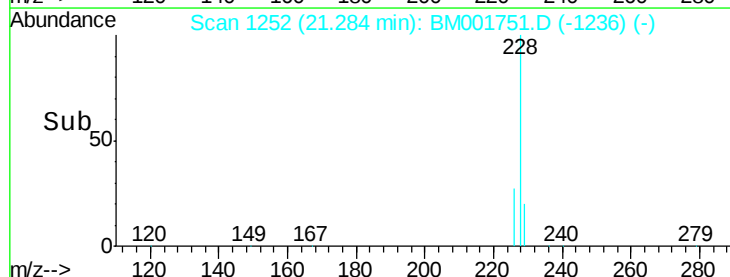
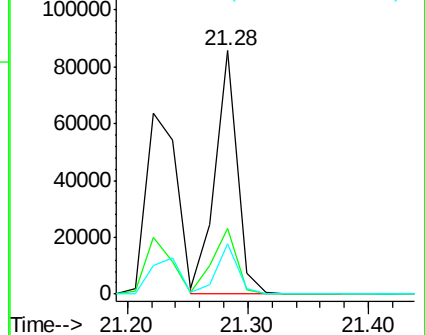
229 20.4 16.6 25.0

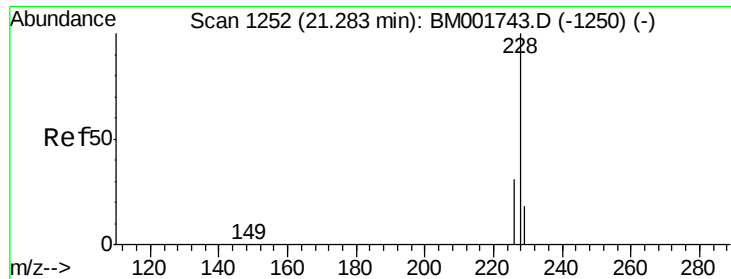


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrvsene

Concen: 7.10 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

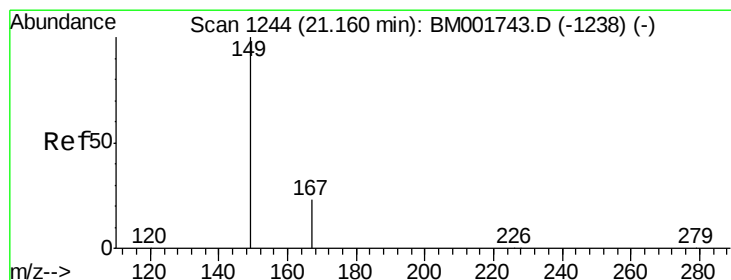
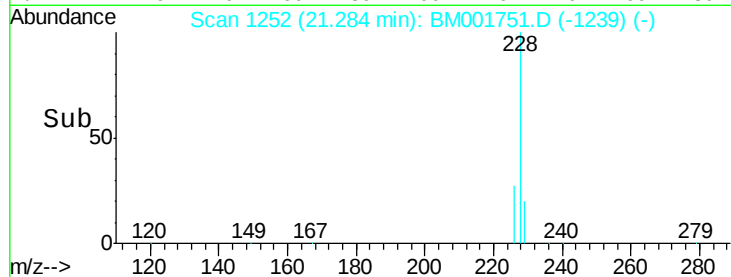
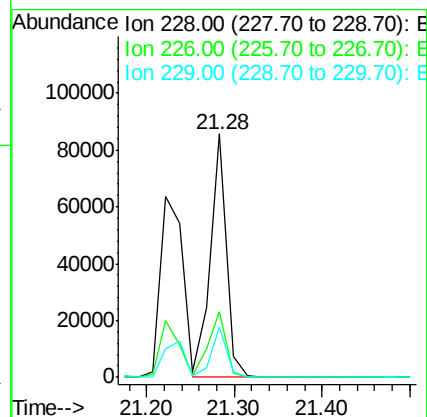
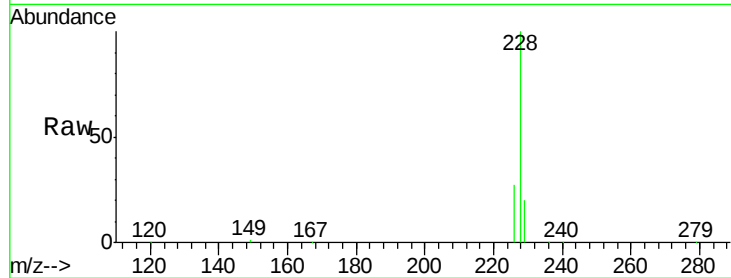
Tot Ion:228 Resp: 109430

Ion Ratio Lower Upper

228 100

226 27.1 24.3 36.5

229 20.4 15.0 22.6



#30

Bis(2-ethylhexyl)phthalate

Concen: 10.03 ng

RT: 21.16 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

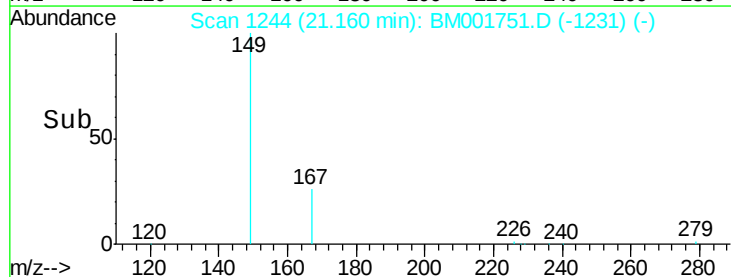
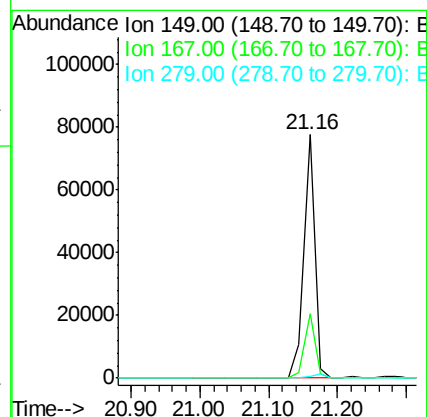
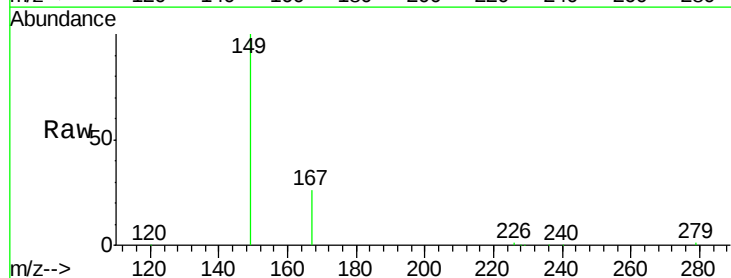
Tgt Ion:149 Resp: 84818

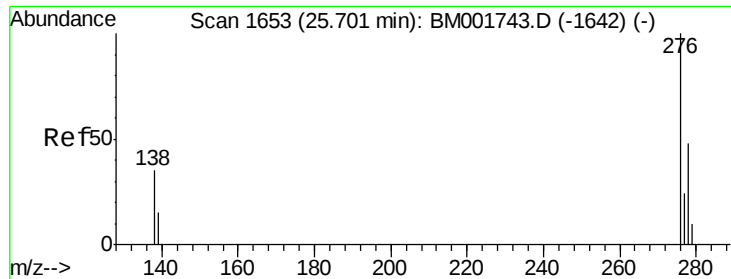
Ion Ratio Lower Upper

149 100

167 25.7 19.7 29.5

279 1.8 1.6 2.4





#31

Indeno(1,2,3-cd)pyrene

Concen: 7.61 ng

RT: 25.70 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

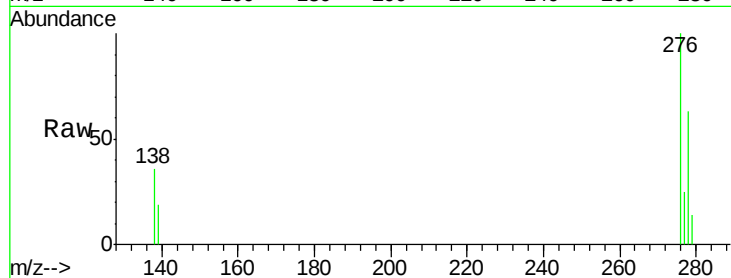
Tot Ion:276 Resp: 112770

Ion Ratio Lower Upper

276 100

138 37.0 29.0 43.6

277 24.7 19.7 29.5

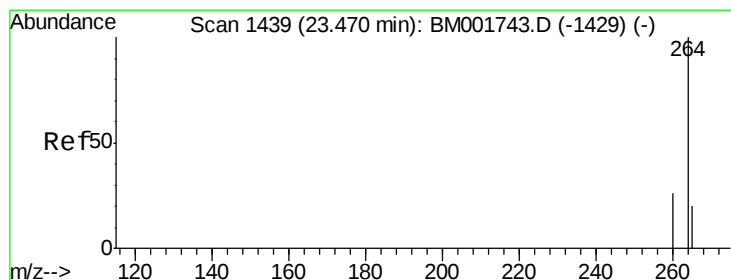
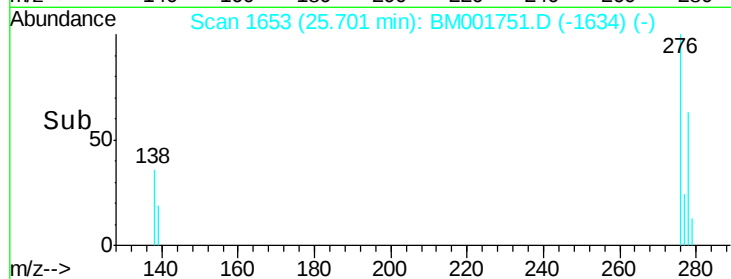
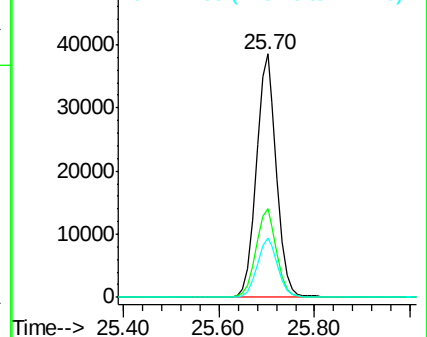


Abundance

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: 23.47 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

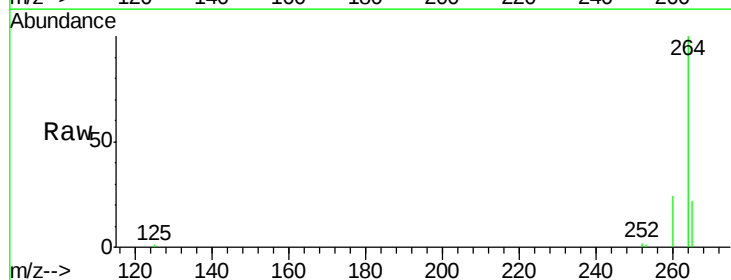
Tgt Ion:264 Resp: 42758

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.5 16.8 25.2

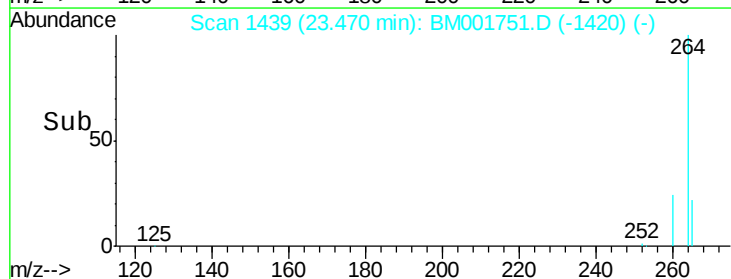
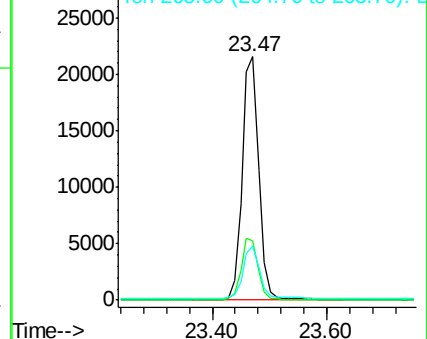


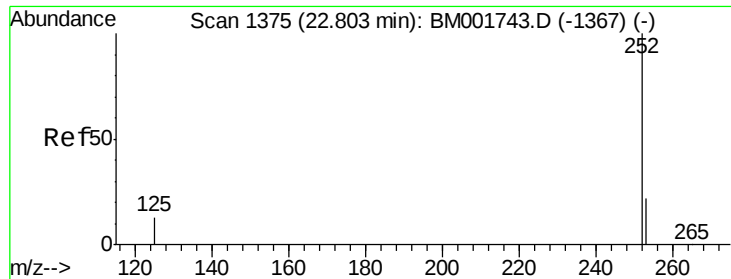
Abundance

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: 7.49 ng

RT: 22.79 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

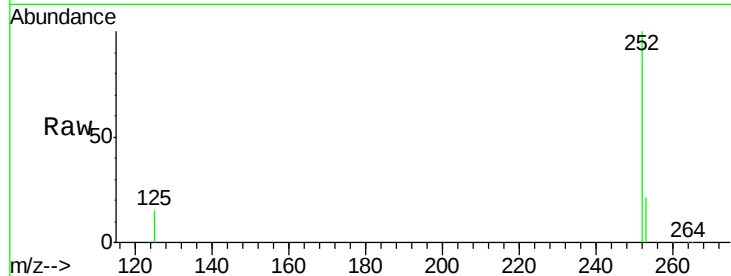
Tot Ion:252 Resp: 105064

Ion Ratio Lower Upper

252 100

253 20.6 19.0 28.4

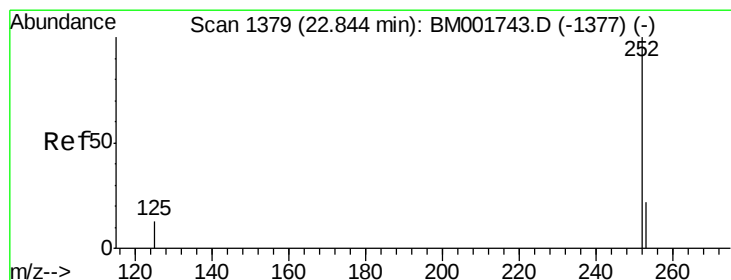
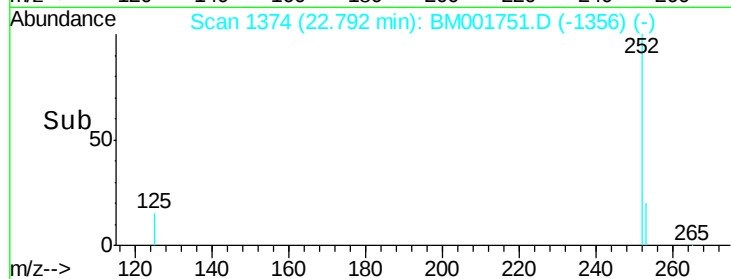
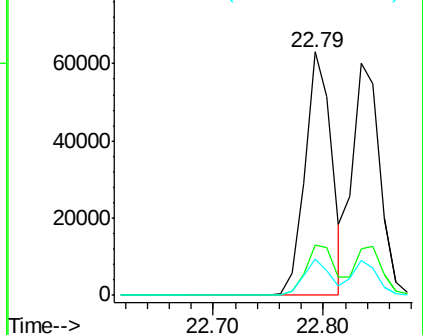
125 14.9 11.3 16.9



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: 8.24 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

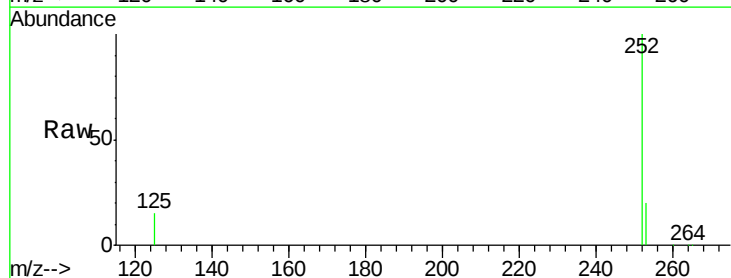
Tgt Ion:252 Resp: 103506

Ion Ratio Lower Upper

252 100

253 20.2 18.2 27.4

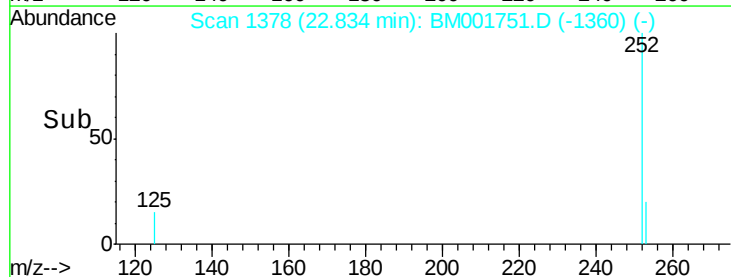
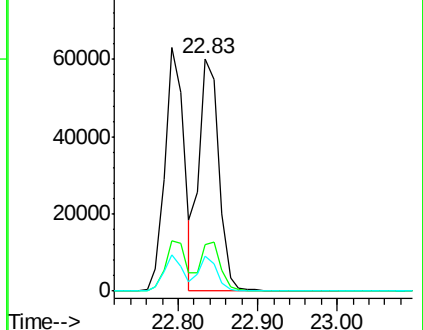
125 15.1 11.8 17.6

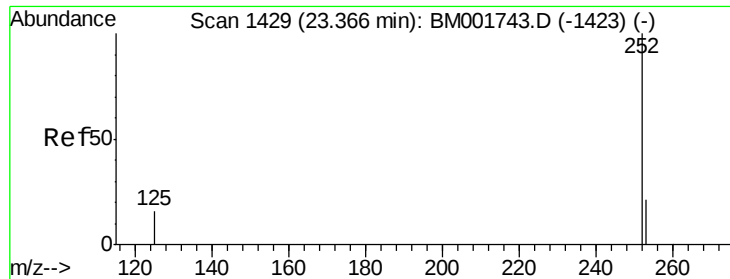


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 8.36 ng

RT: 23.37 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

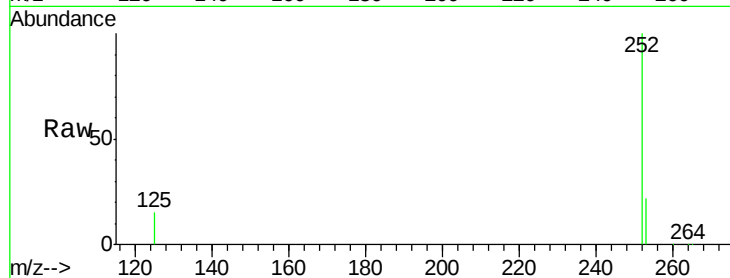
Tot Ion:252 Resp: 98762

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

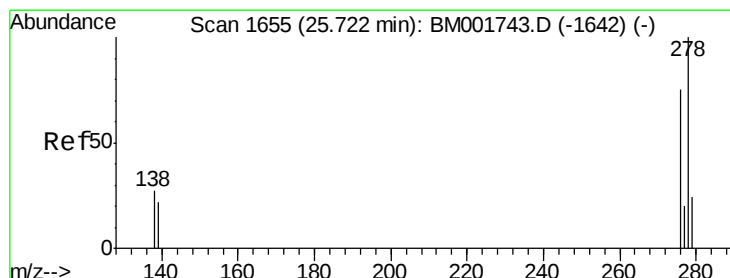
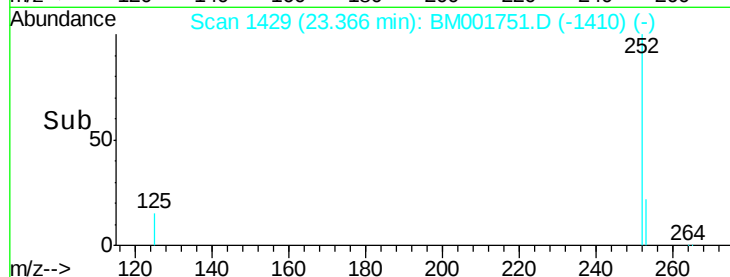
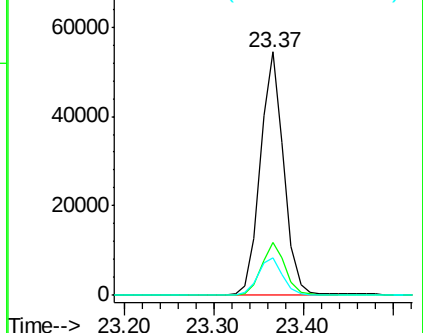
125 15.5 14.1 21.1



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



#36

Dibenzo(a,h)anthracene

Concen: 7.84 ng

RT: 25.71 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

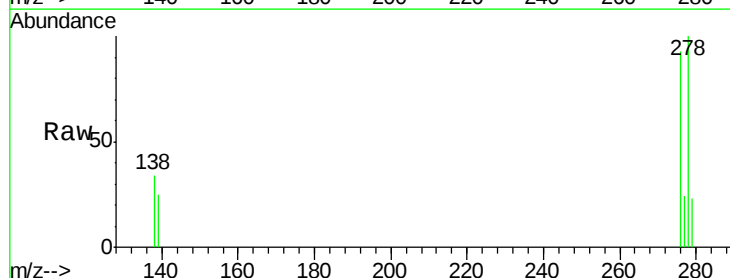
Tgt Ion:278 Resp: 91731

Ion Ratio Lower Upper

278 100

139 25.0 18.4 27.6

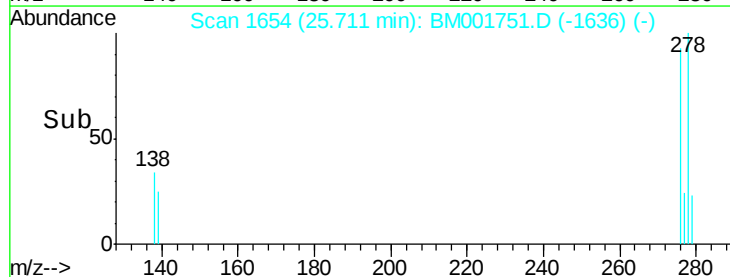
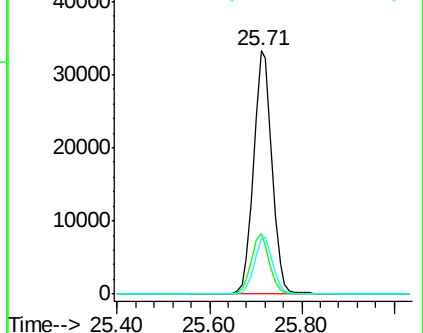
279 22.9 19.8 29.8



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(a,h,i)perylene

Concen: 7.68 ng

RT: 26.39 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001751.D

Acq: 18 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB84083BSD

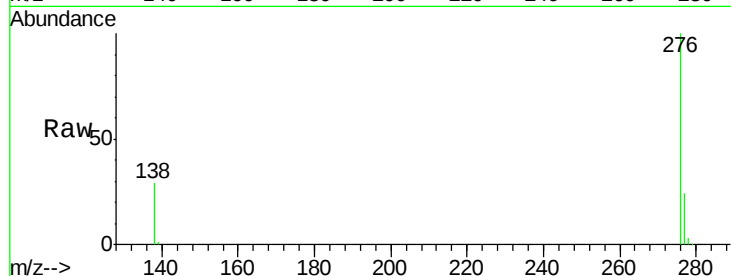
Tot Ion: 276 Resp: 94483

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 29.4 24.7 37.1



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

