

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060615\  
 Data File : BM001585.D  
 Acq On : 06 Jun 2015 09:17  
 Operator : TP/IZ  
 Sample : PB83802BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83802BSD

Quant Time: Jun 08 05:37:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 08 05:27:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 21318    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.47 | 136  | 76935    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.34 | 164  | 34575    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.06 | 188  | 35363    | 5.00 | ng    | -0.03    |
| 25) Chrysene-d12          | 21.28 | 240  | 54366    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.52 | 264  | 48739    | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |       |    |      |
|--------------------------|-------|-----|-------|-------|----|------|
| 4) 2-Fluorophenol        | 5.27  | 112 | 60661 | 12.88 | ng | 0.00 |
| 5) Phenol-d6             | 6.84  | 99  | 78365 | 13.54 | ng | 0.00 |
| 7) Nitrobenzene-d5       | 8.85  | 82  | 48200 | 9.20  | ng | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.84 | 330 | 19791 | 11.96 | ng | 0.00 |
| 14) 2-Fluorobiphenyl     | 12.97 | 172 | 94482 | 8.87  | ng | 0.00 |
| 27) Terphenyl-d14        | 19.73 | 244 | 58702 | 8.36  | ng | 0.00 |

## Target Compounds

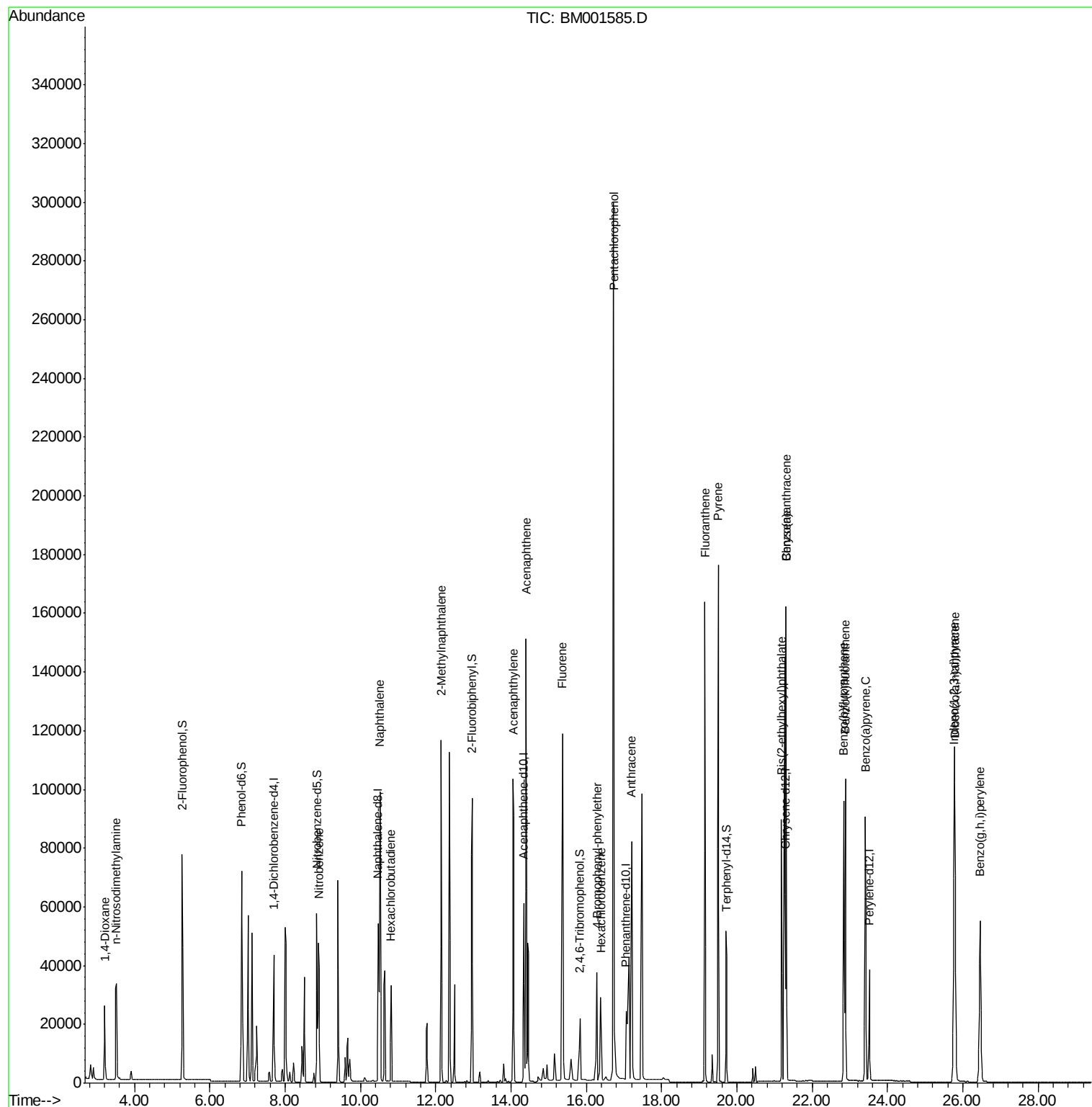
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.21  | 88  | 16542  | 8.95   | ng | 97     |
| 3) n-Nitrosodimethylamine      | 3.51  | 42  | 27895  | 8.57   | ng | # 99   |
| 8) Nitrobenzene                | 8.89  | 77  | 51786  | 9.22   | ng | 99     |
| 9) Naphthalene                 | 10.52 | 128 | 131724 | 7.93   | ng | 99     |
| 10) Hexachlorobutadiene        | 10.82 | 225 | 23468  | 8.10   | ng | 100    |
| 11) 2-Methylnaphthalene        | 12.14 | 142 | 85400  | 8.22   | ng | 100    |
| 15) Acenaphthylene             | 14.05 | 152 | 130544 | 8.75   | ng | 100    |
| 16) Acenaphthene               | 14.40 | 154 | 74838  | 7.96   | ng | 99     |
| 17) Fluorene                   | 15.36 | 166 | 85726  | 14.17  | ng | # 94   |
| 19) 4-Bromophenyl-phenylether  | 16.28 | 248 | 30892  | 10.95  | ng | # 47   |
| 20) Hexachlorobenzene          | 16.38 | 284 | 33440  | 29.76  | ng | # 43   |
| 21) Pentachlorophenol          | 16.72 | 266 | 160195 | 296.76 | ng | # 68   |
| 23) Anthracene                 | 17.20 | 178 | 209019 | 40.23  | ng | # 43   |
| 24) Fluoranthene               | 19.15 | 202 | 143532 | 14.96  | ng | 99     |
| 26) Pyrene                     | 19.51 | 202 | 153848 | 8.80   | ng | 100    |
| 28) Benzo(a)anthracene         | 21.31 | 228 | 131083 | 8.56   | ng | 97     |
| 29) Chrysene                   | 21.31 | 228 | 131560 | 9.00   | ng | 94     |
| 30) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 92923  | 9.02   | ng | 99     |
| 31) Indeno(1,2,3-cd)pyrene     | 25.77 | 276 | 131123 | 8.35   | ng | 99     |
| 33) Benzo(b)fluoranthene       | 22.84 | 252 | 128465 | 8.82   | ng | 98     |
| 34) Benzo(k)fluoranthene       | 22.88 | 252 | 116205 | 8.76   | ng | 97     |
| 35) Benzo(a)pyrene             | 23.41 | 252 | 117001 | 9.20   | ng | 97     |
| 36) Dibenzo(a,h)anthracene     | 25.79 | 278 | 105043 | 8.42   | ng | 97     |
| 37) Benzo(g,h,i)perylene       | 26.47 | 276 | 109247 | 8.33   | ng | 99     |

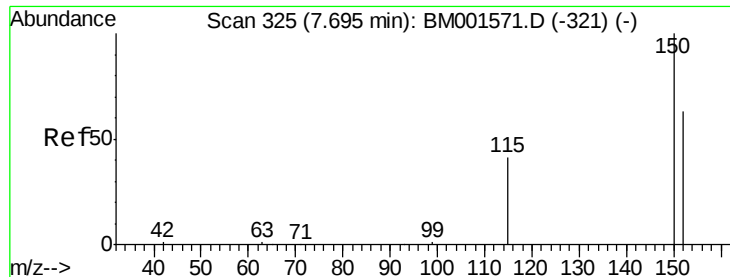
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060615\  
Data File : BM001585.D  
Acq On : 06 Jun 2015 09:17  
Operator : TP/IZ  
Sample : PB83802BSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB83802BSD

Quant Time: Jun 08 05:37:02 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 08 05:27:25 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: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

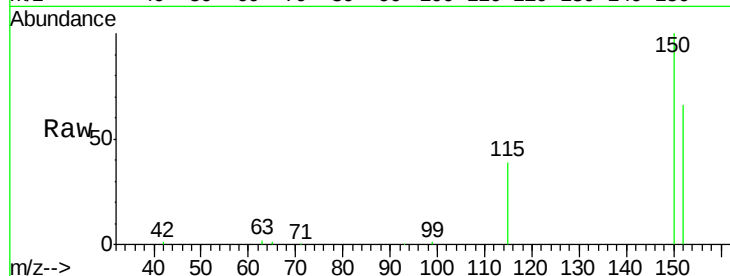
Tgt Ion:152 Resp: 21318

Ion Ratio Lower Upper

152 100

150 152.6 126.6 190.0

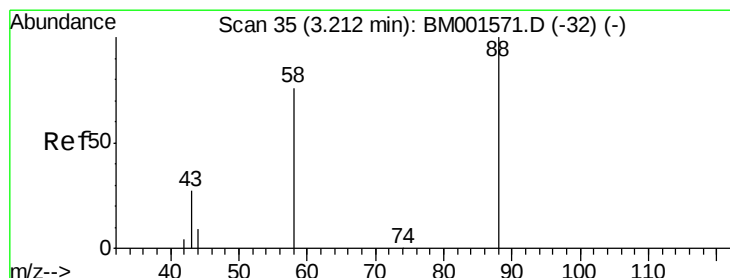
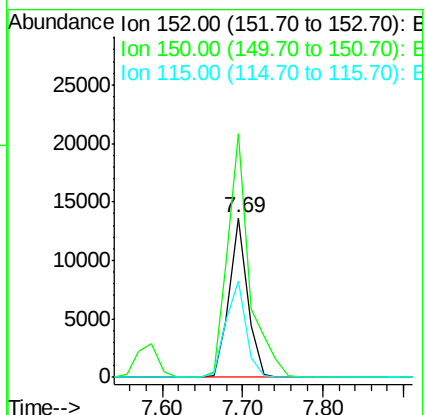
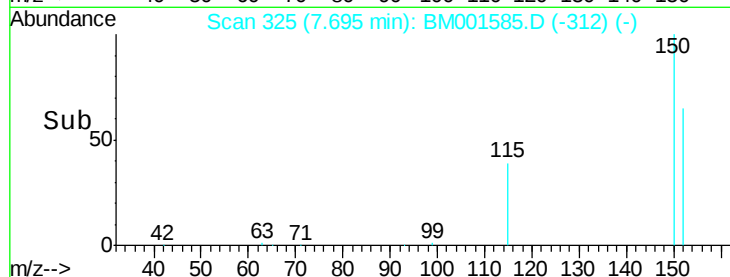
115 60.2 51.6 77.4



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: 8.95 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

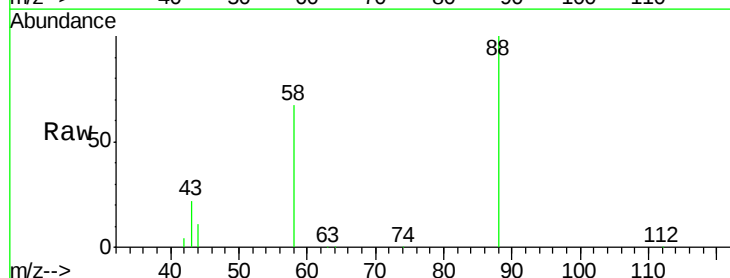
Tgt Ion: 88 Resp: 16542

Ion Ratio Lower Upper

88 100

58 86.3 66.1 99.1

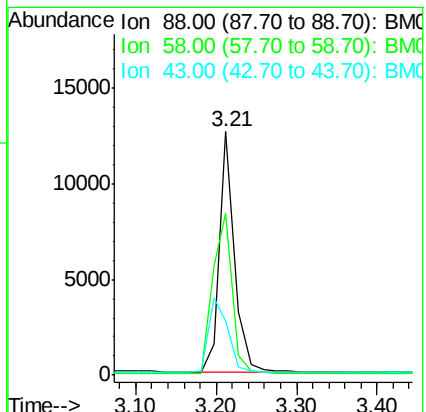
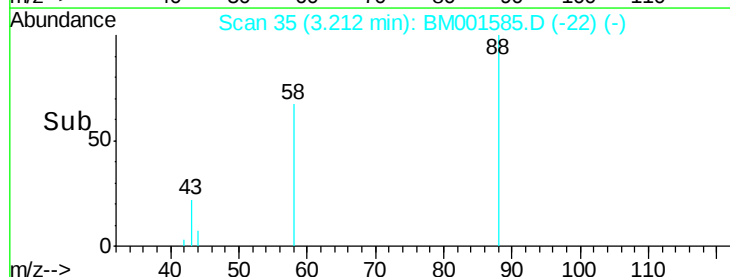
43 39.7 32.3 48.5

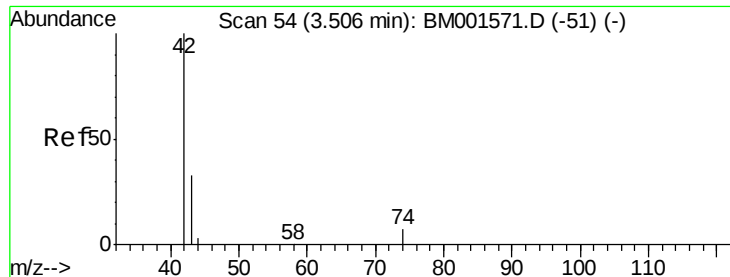


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 8.57 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

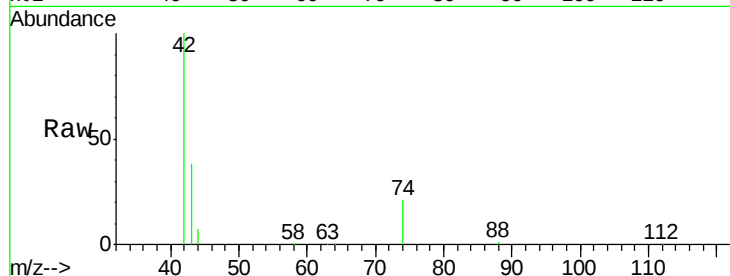
Tgt Ion: 42 Resp: 27895

Ion Ratio Lower Upper

42 100

74 96.7 77.2 115.8

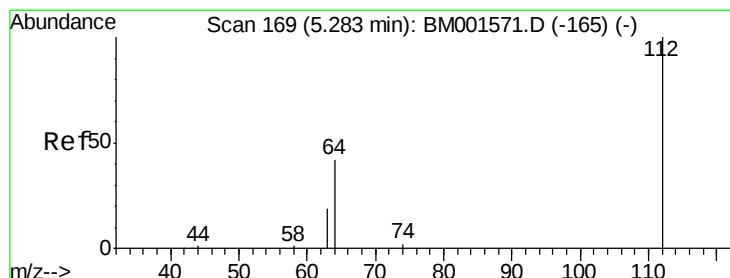
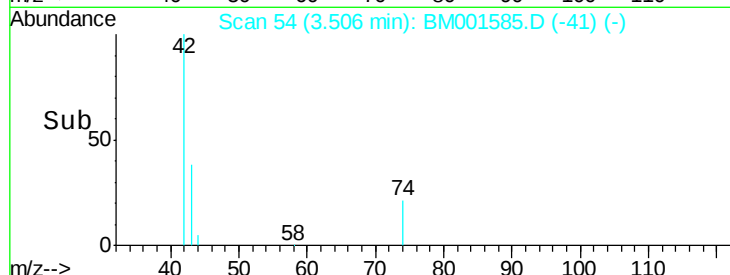
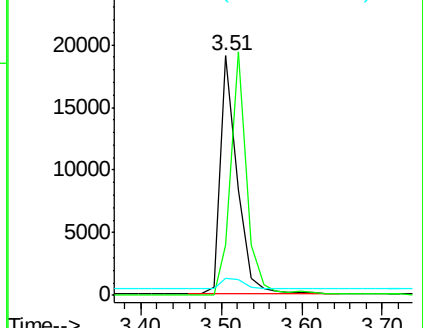
44 6.0 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001571.D (-51) (-)

Ion 74.00 (73.70 to 74.70): BM001571.D (-51) (-)

Ion 44.00 (43.70 to 44.70): BM001571.D (-51) (-)



#4

2-Fluorophenol

Concen: 12.88 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

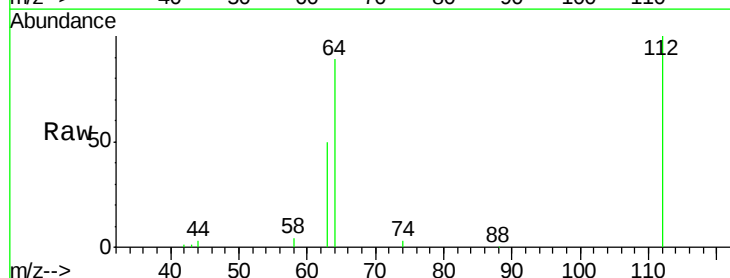
Tgt Ion: 112 Resp: 60661

Ion Ratio Lower Upper

112 100

64 67.3 53.3 79.9

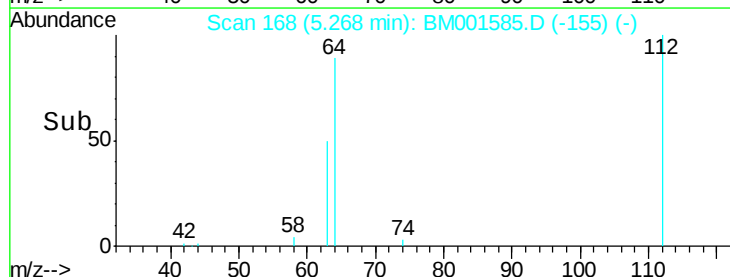
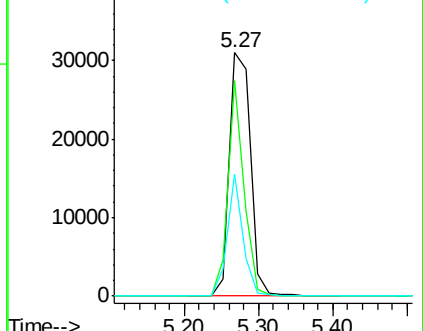
63 37.1 29.7 44.5

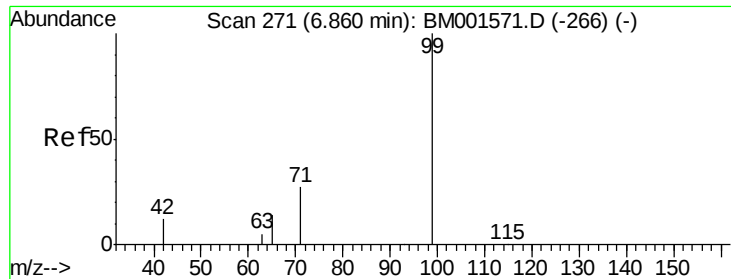


Abundance Ion 112.00 (111.70 to 112.70): BM001571.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001571.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001571.D (-165) (-)





#5

Phenol-d6

Concen: 13.54 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

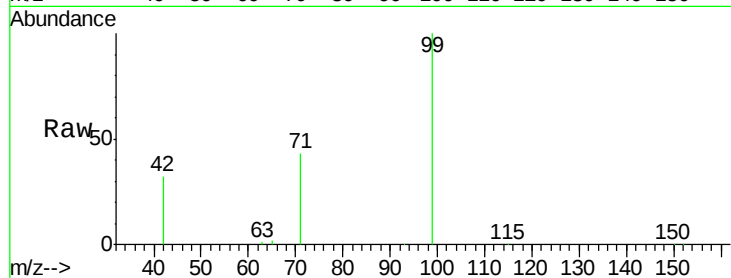
Tgt Ion: 99 Resp: 78365

Ion Ratio Lower Upper

99 100

42 25.7 21.4 32.2

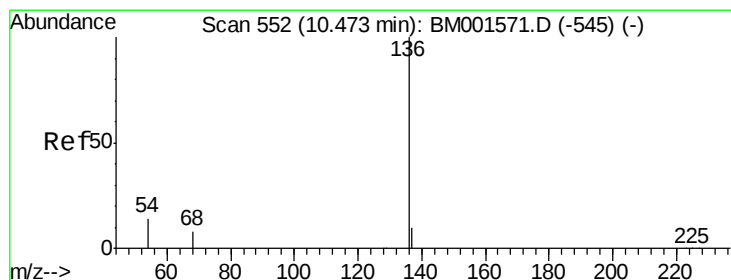
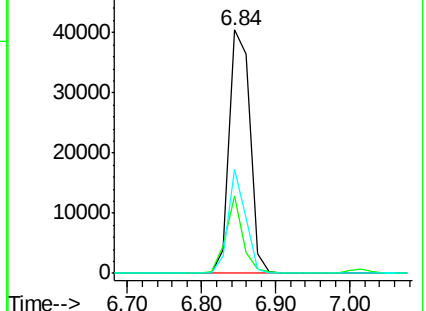
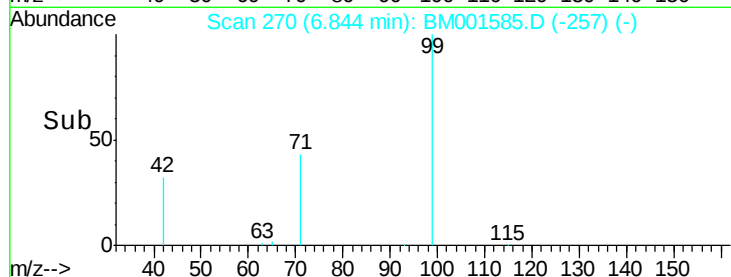
71 35.6 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BM001571.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001571.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001571.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Tgt Ion: 136 Resp: 76935

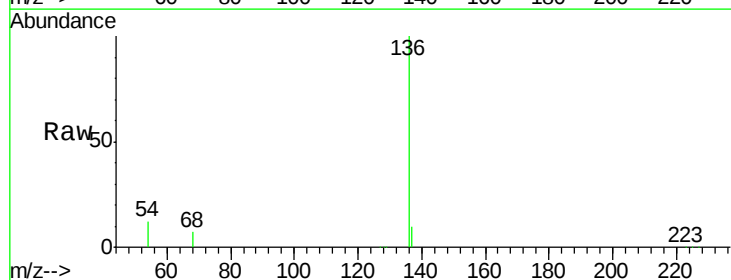
Ion Ratio Lower Upper

136 100

137 10.3 8.1 12.1

54 12.1 11.7 17.5

68 7.1 6.6 9.8

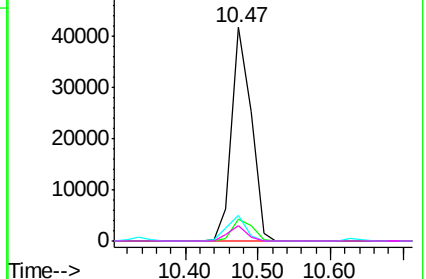
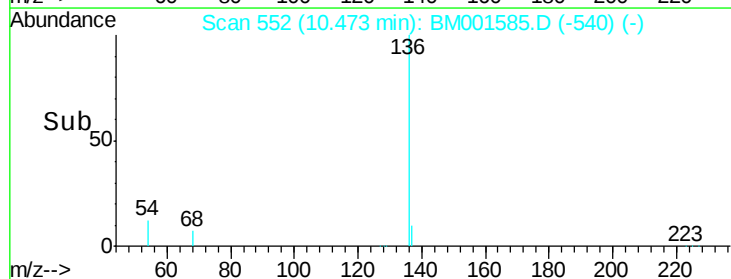


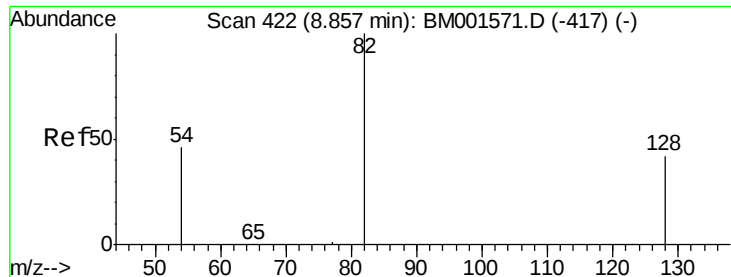
Abundance Ion 136.00 (135.70 to 136.70): BM001571.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM001571.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM001571.D (-545) (-)





#7

Nitrobenzene-d5

Concen: 9.20 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

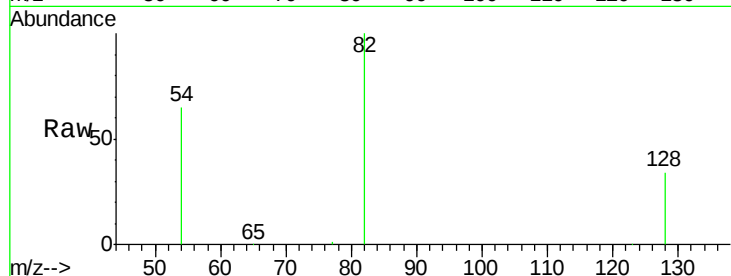
Tgt Ion: 82 Resp: 48200

Ion Ratio Lower Upper

82 100

128 33.7 34.1 51.1#

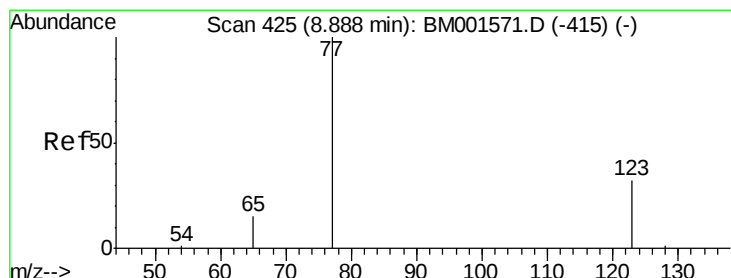
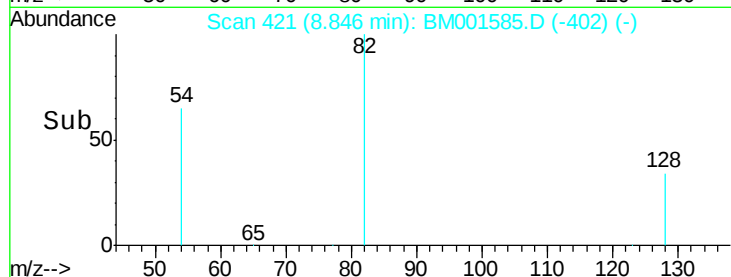
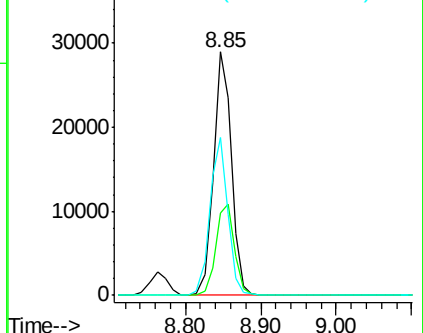
54 64.7 37.8 56.6#



Abundance Ion 82.00 (81.70 to 82.70): BM001571.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001571.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-417) (-)



#8

Nitrobenzene

Concen: 9.22 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

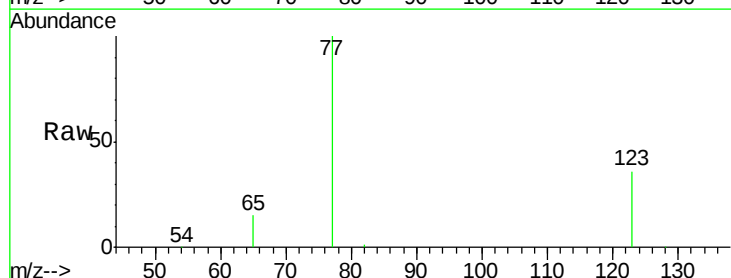
Tgt Ion: 77 Resp: 51786

Ion Ratio Lower Upper

77 100

123 40.7 31.7 47.5

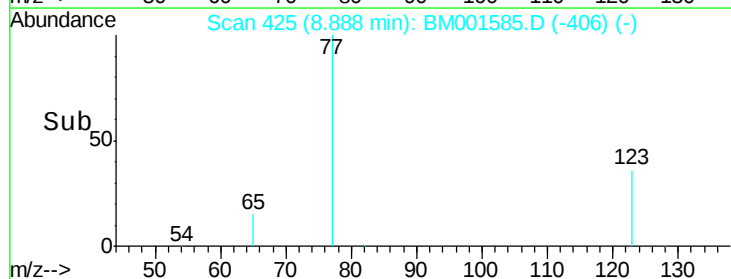
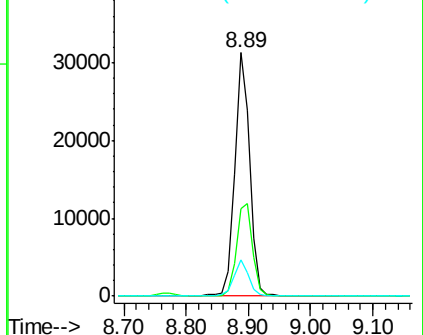
65 14.5 11.4 17.0

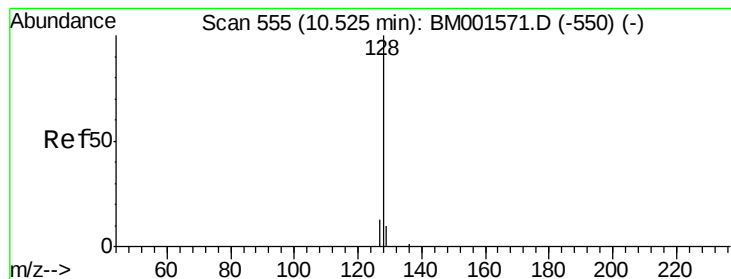


Abundance Ion 77.00 (76.70 to 77.70): BM001571.D (-415) (-)

Ion 123.00 (122.70 to 123.70): BM001571.D (-415) (-)

Ion 65.00 (64.70 to 65.70): BM001571.D (-415) (-)





#9

Naphthalene

Concen: 7.93 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

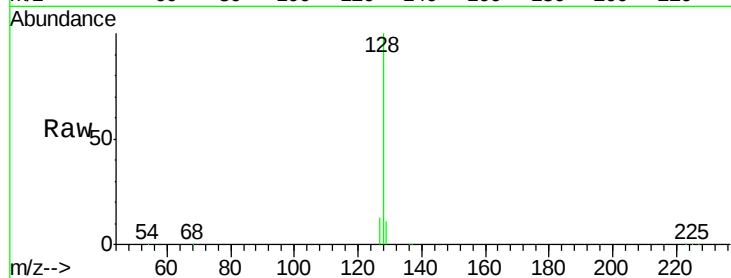
Tgt Ion:128 Resp: 131724

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

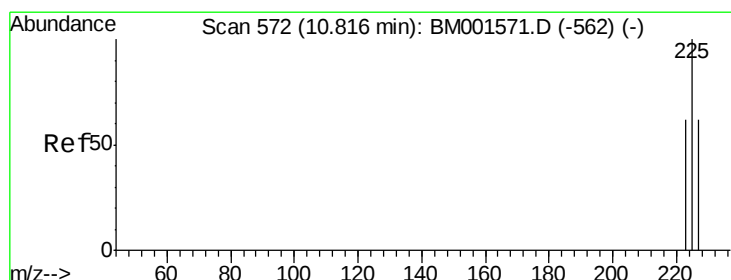
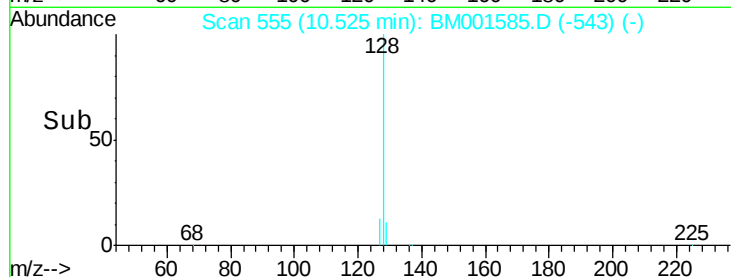
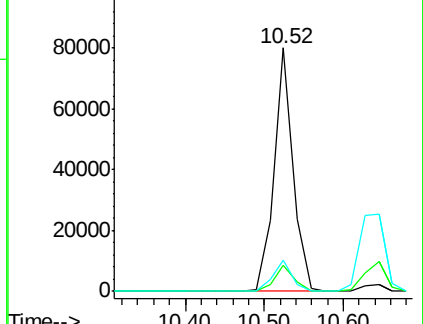
127 12.7 10.7 16.1



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: 8.10 ng

RT: 10.82 min Scan# 572

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

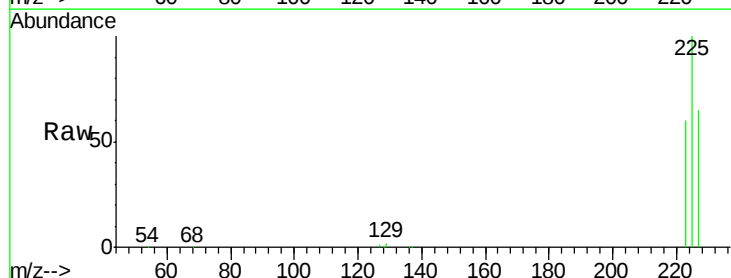
Tgt Ion:225 Resp: 23468

Ion Ratio Lower Upper

225 100

223 63.3 50.4 75.6

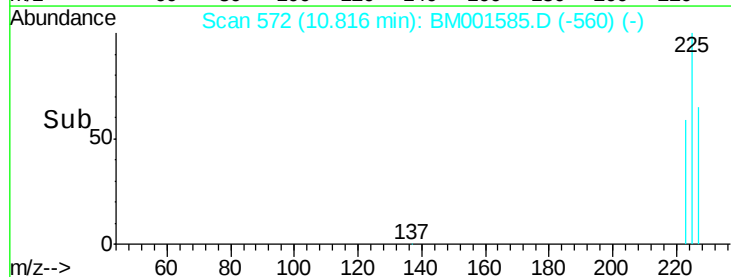
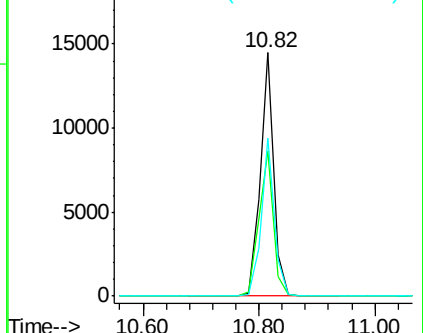
227 63.1 50.8 76.2

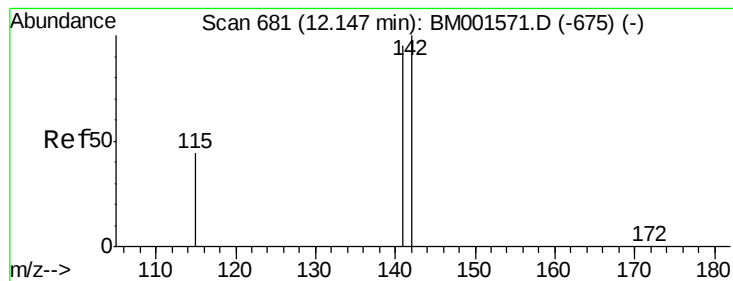


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 8.22 ng

RT: 12.14 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

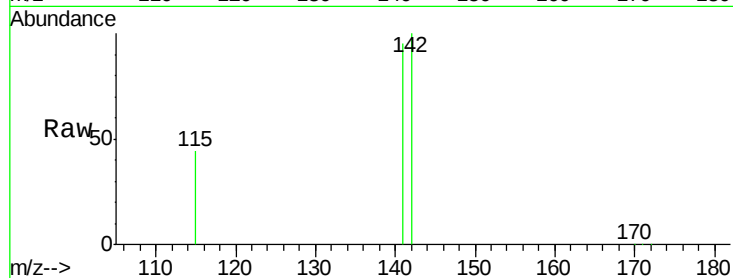
Tgt Ion:142 Resp: 85400

Ion Ratio Lower Upper

142 100

141 94.9 75.6 113.4

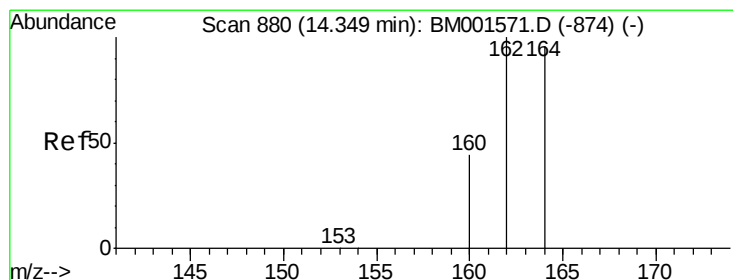
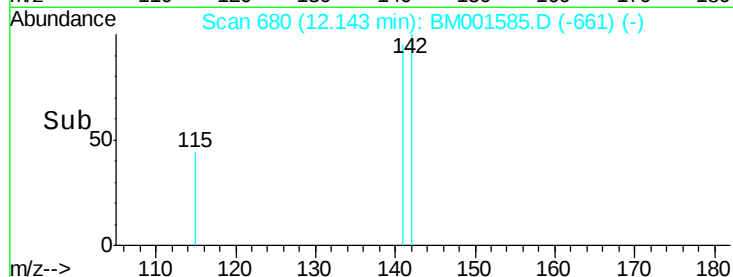
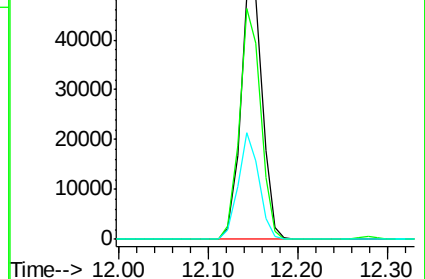
115 44.1 35.5 53.3



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: 14.34 min Scan# 879

Delta R.T. -0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

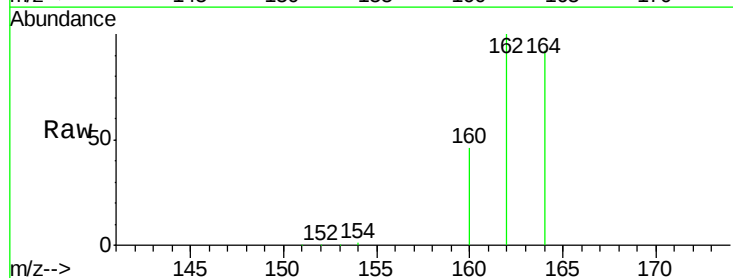
Tgt Ion:164 Resp: 34575

Ion Ratio Lower Upper

164 100

162 108.6 83.8 125.6

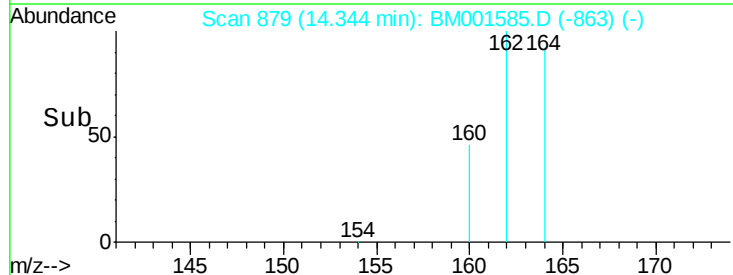
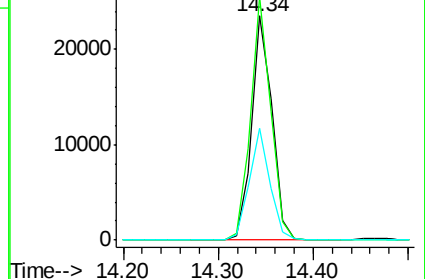
160 49.9 37.1 55.7

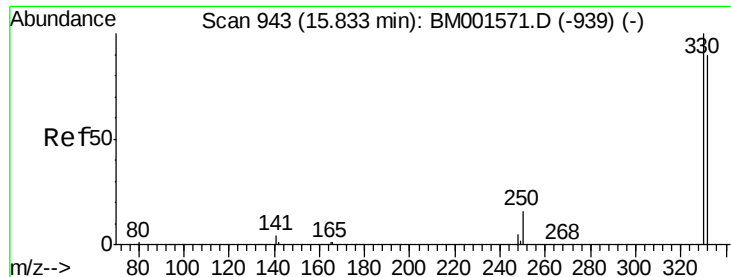


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

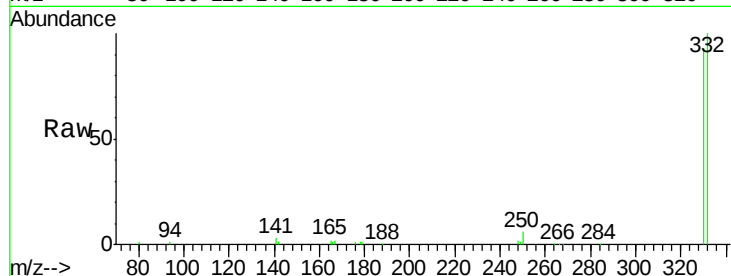




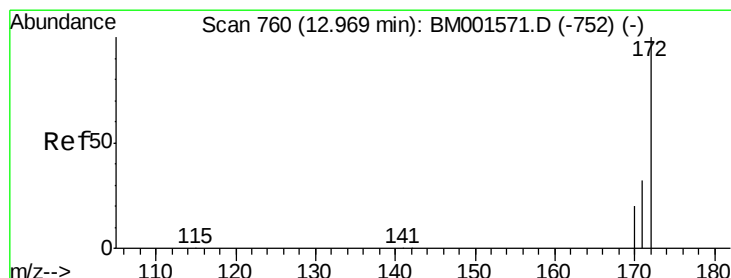
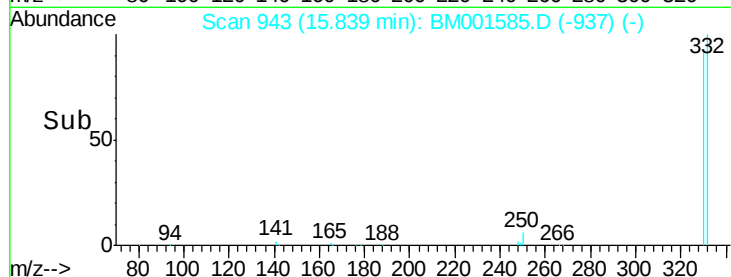
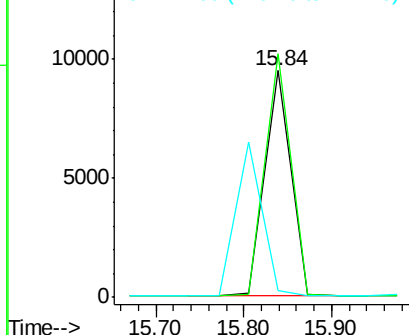
#13  
 2,4,6-Tribromophenol  
 Concen: 11.96 ng  
 RT: 15.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83802BSD

Tgt Ion:330 Resp: 19791  
 Ion Ratio Lower Upper  
 330 100  
 332 106.9 72.0 108.0  
 141 0.0 0.0 0.0

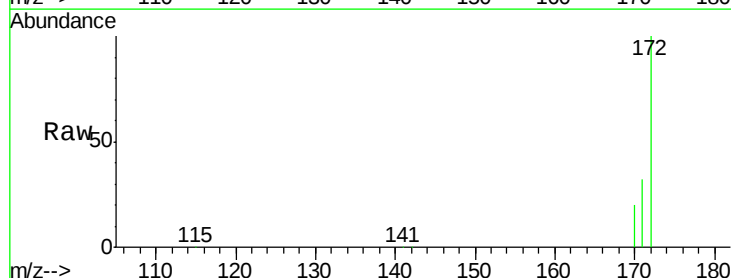


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

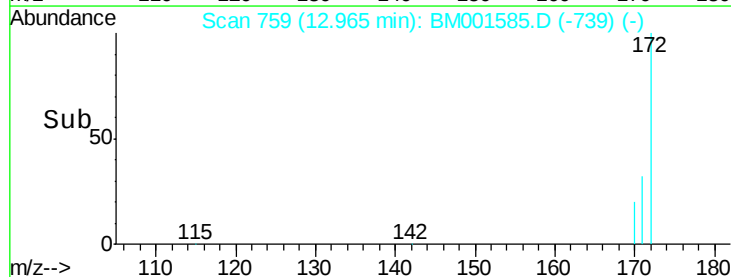
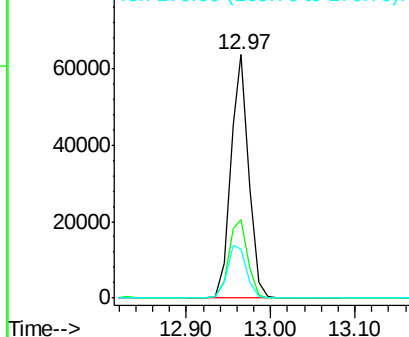


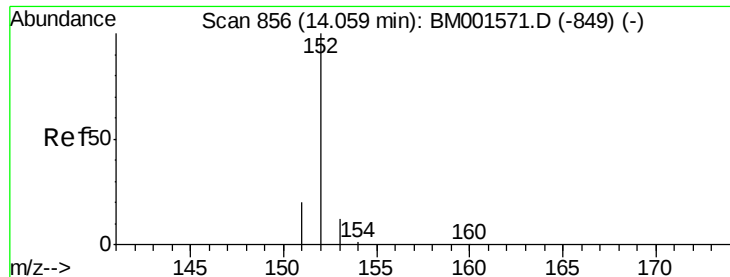
#14  
 2-Fluorobiphenyl  
 Concen: 8.87 ng  
 RT: 12.97 min Scan# 759  
 Delta R.T. 0.01 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

Tgt Ion:172 Resp: 94482  
 Ion Ratio Lower Upper  
 172 100  
 171 32.0 26.2 39.2  
 170 20.1 16.1 24.1



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: 8.75 ng

RT: 14.05 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

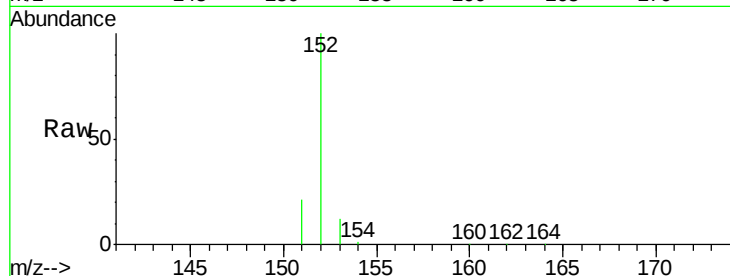
Tgt Ion:152 Resp: 130544

Ion Ratio Lower Upper

152 100

151 19.2 15.2 22.8

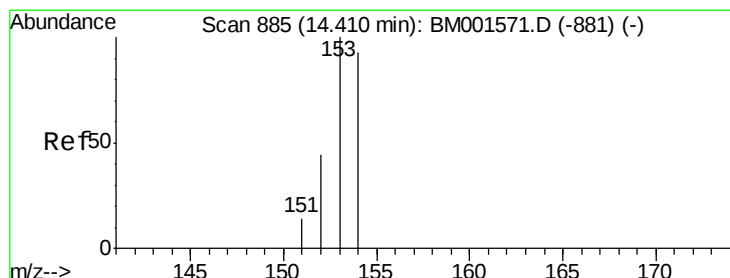
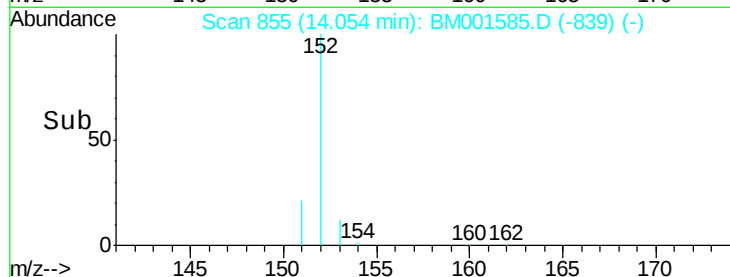
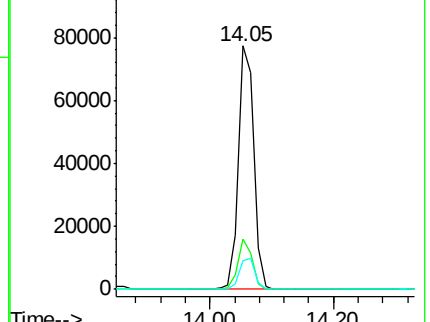
153 12.9 10.3 15.5



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: 7.96 ng

RT: 14.40 min Scan# 884

Delta R.T. -0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

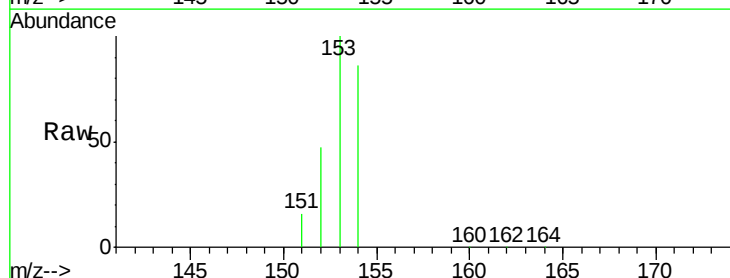
Tgt Ion:154 Resp: 74838

Ion Ratio Lower Upper

154 100

153 112.6 89.1 133.7

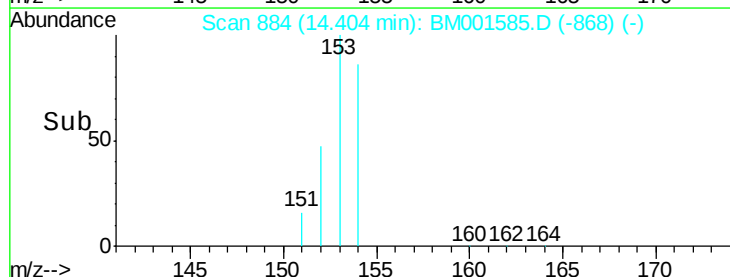
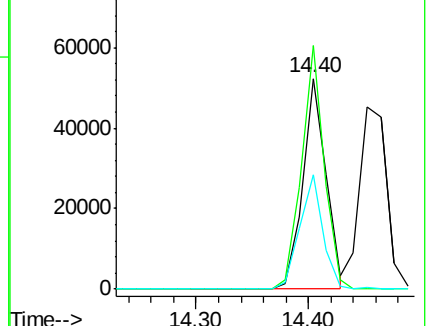
152 54.2 43.2 64.8

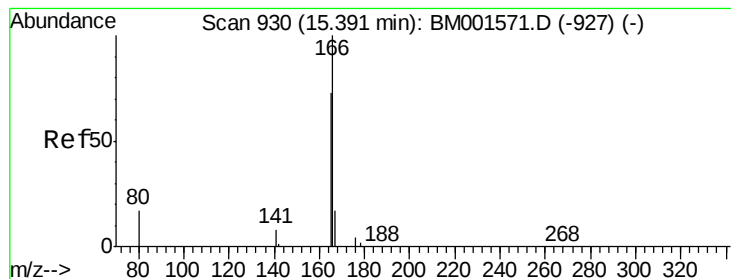


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 14.17 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

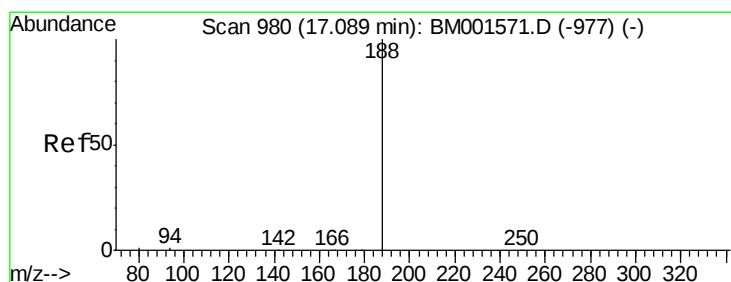
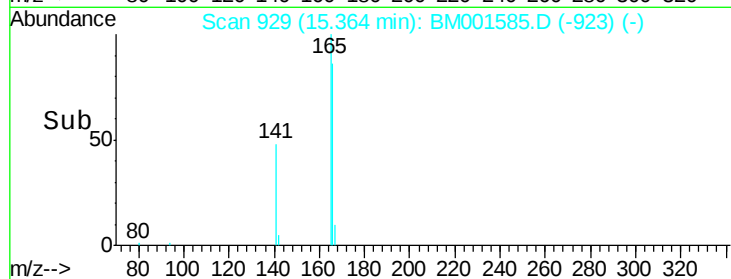
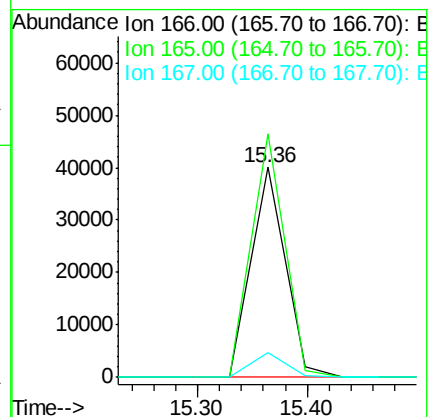
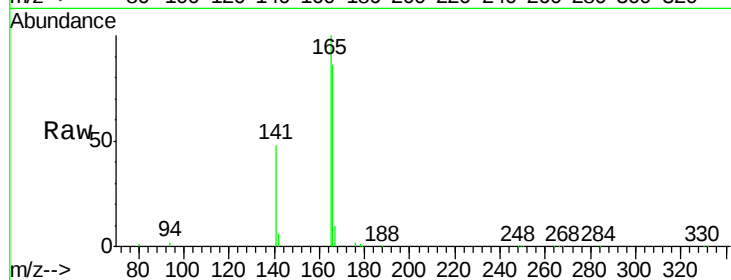
Tgt Ion:166 Resp: 85726

Ion Ratio Lower Upper

166 100

165 113.3 0.0 0.0#

167 11.8 11.3 16.9



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 979

Delta R.T. -0.03 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

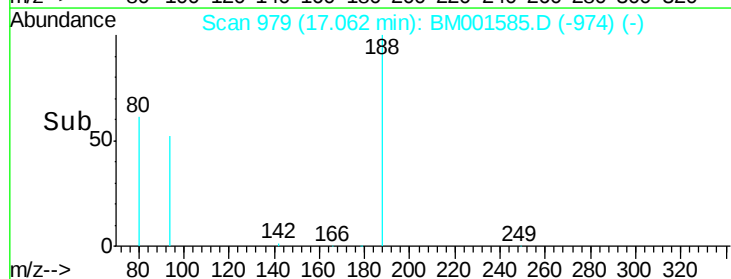
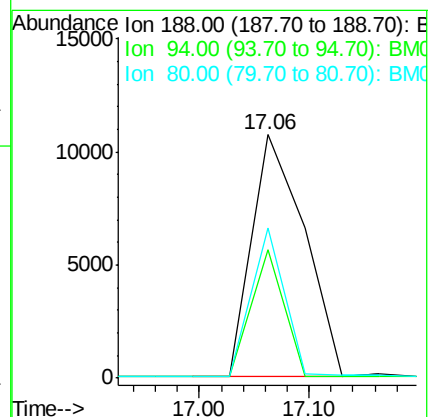
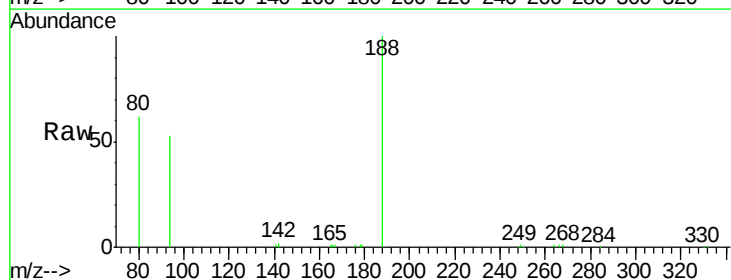
Tgt Ion:188 Resp: 35363

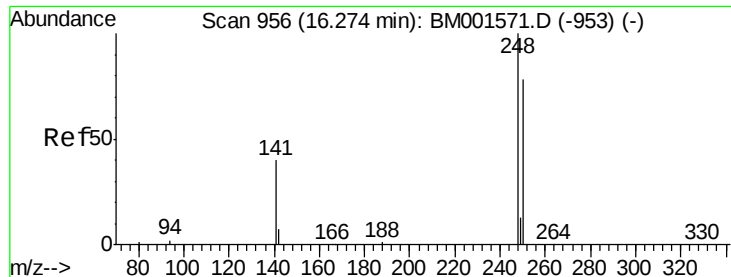
Ion Ratio Lower Upper

188 100

94 52.8 0.7 1.1#

80 61.7 0.6 1.0#

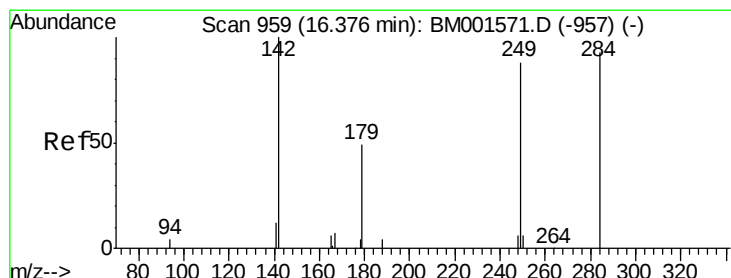
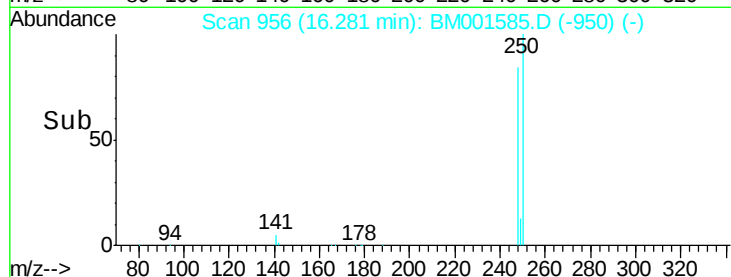
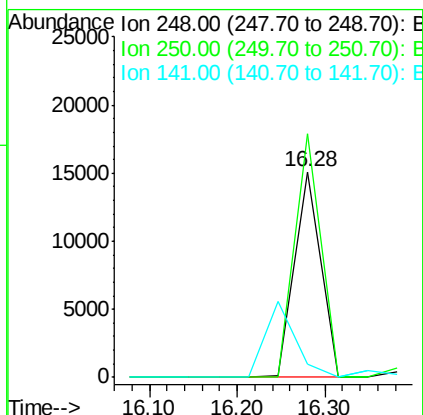
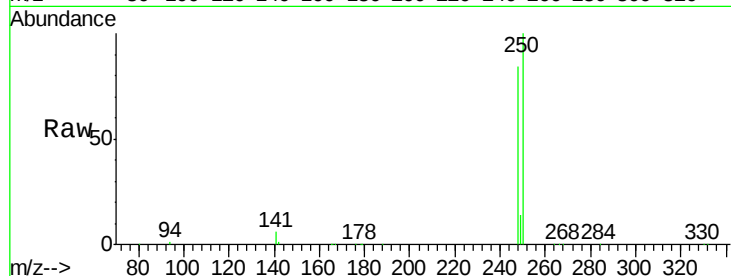




#19  
4-Bromophenyl-phenylether  
Concen: 10.95 ng  
RT: 16.28 min Scan# 956  
Delta R.T. 0.01 min  
Lab File: BM001585.D  
Acq: 06 Jun 2015 09:17

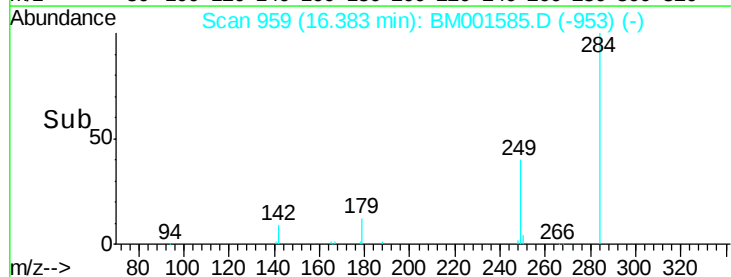
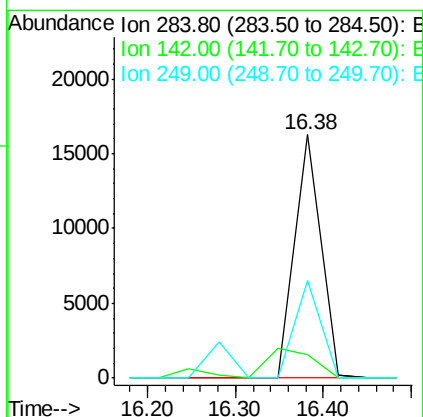
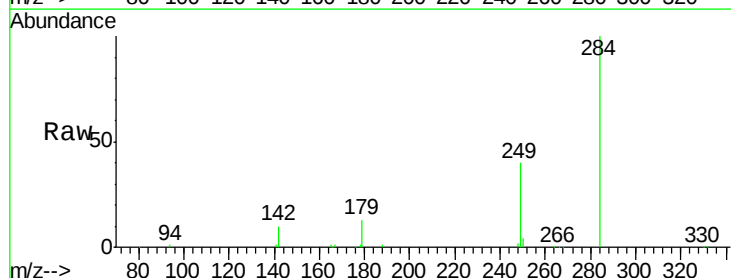
Instrument :  
BNA\_M  
ClientSampleId :  
PB83802BSD

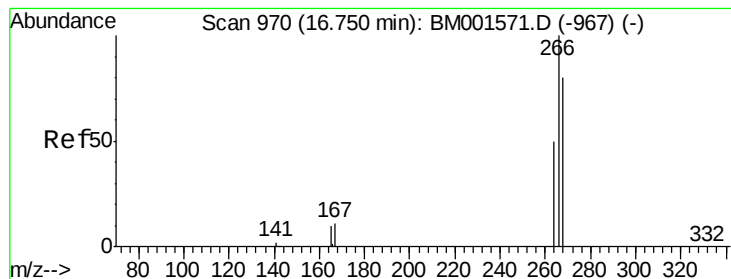
Tgt Ion:248 Resp: 30892  
Ion Ratio Lower Upper  
248 100  
250 118.0 63.1 94.7#  
141 0.0 35.0 52.6#



#20  
Hexachlorobenzene  
Concen: 29.76 ng  
RT: 16.38 min Scan# 959  
Delta R.T. 0.01 min  
Lab File: BM001585.D  
Acq: 06 Jun 2015 09:17

Tgt Ion:284 Resp: 33440  
Ion Ratio Lower Upper  
284 100  
142 0.0 64.2 96.2#  
249 54.2 55.4 83.0#





#21

Pentachlorophenol

Concen: 296.76 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

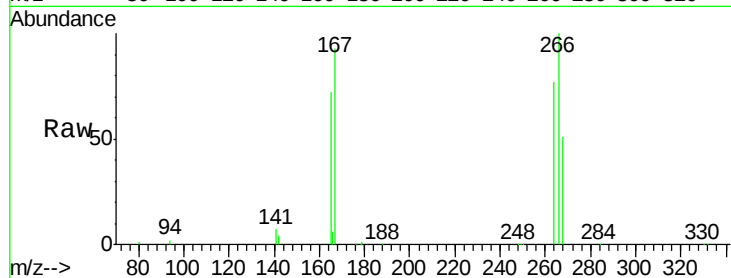
Tgt Ion:266 Resp: 160195

Ion Ratio Lower Upper

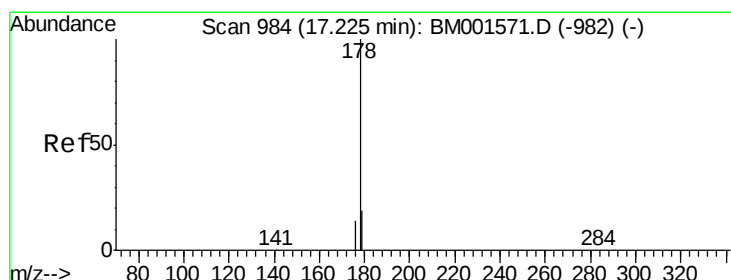
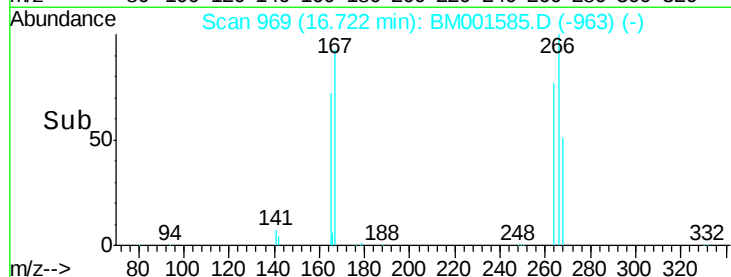
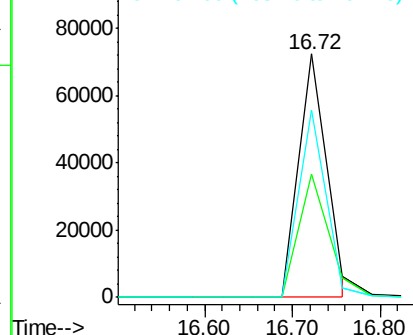
266 100

268 50.6 66.3 99.5#

264 76.9 45.5 68.3#



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



#23

Anthracene

Concen: 40.23 ng

RT: 17.20 min Scan# 983

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

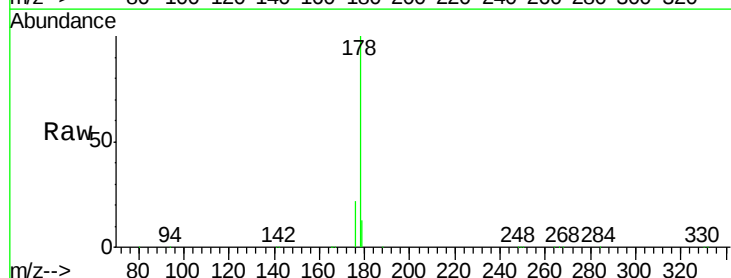
Tgt Ion:178 Resp: 209019

Ion Ratio Lower Upper

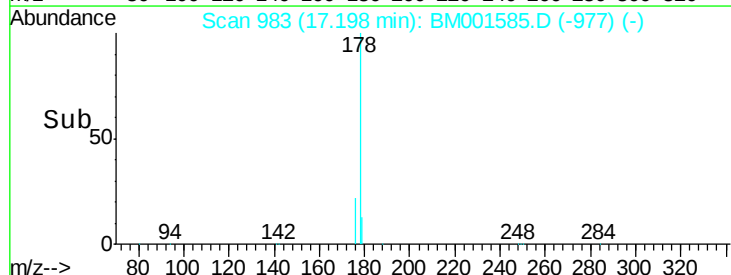
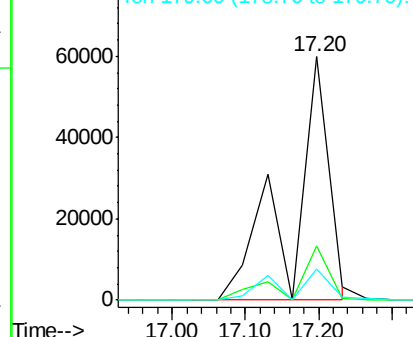
178 100

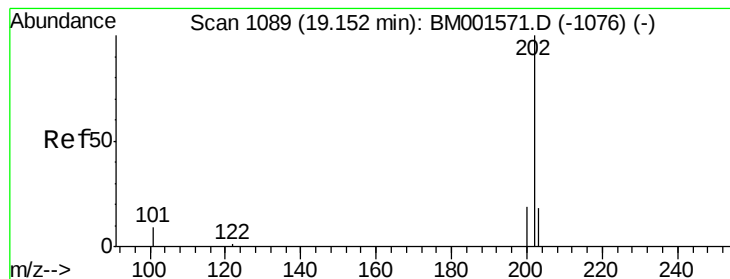
176 20.0 45.9 68.9#

179 0.0 33.3 49.9#



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: 14.96 ng

RT: 19.15 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

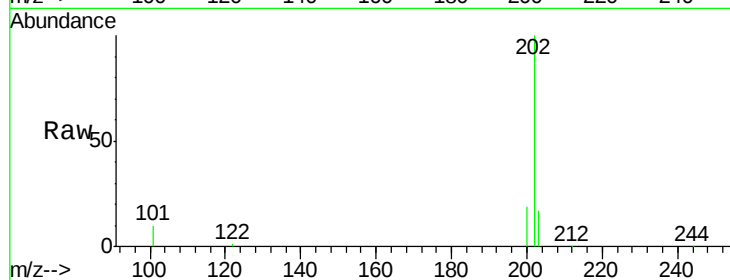
Tgt Ion: 202 Resp: 143532

Ion Ratio Lower Upper

202 100

101 12.9 10.0 15.0

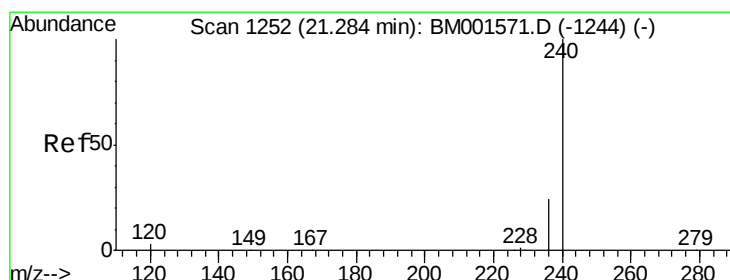
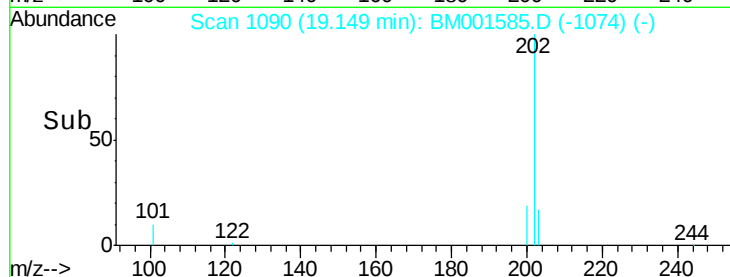
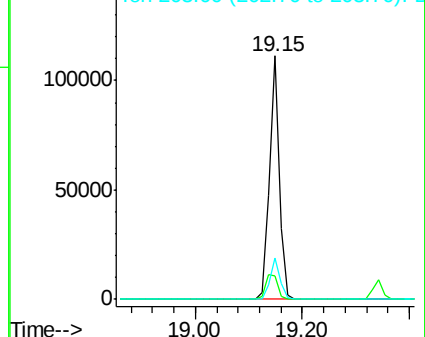
203 17.2 13.9 20.9



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: 21.28 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

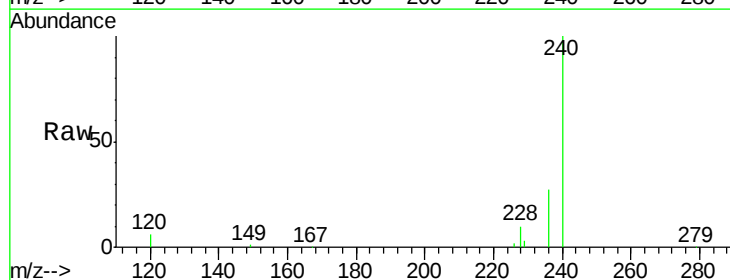
Tgt Ion: 240 Resp: 54366

Ion Ratio Lower Upper

240 100

120 5.8 2.2 3.2#

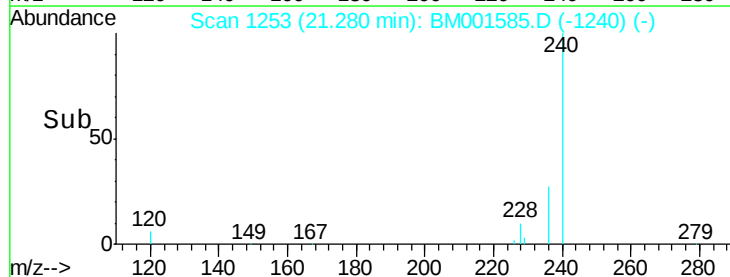
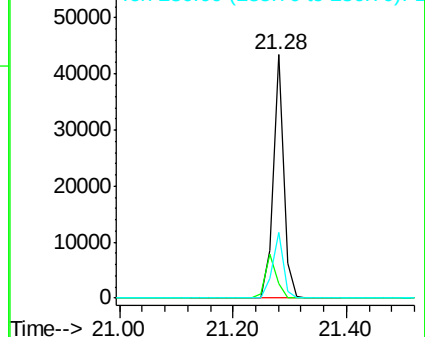
236 27.1 19.5 29.3

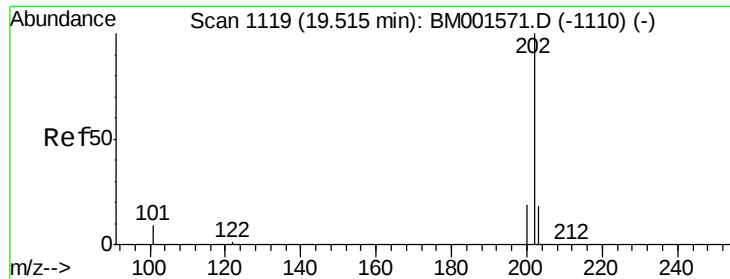


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

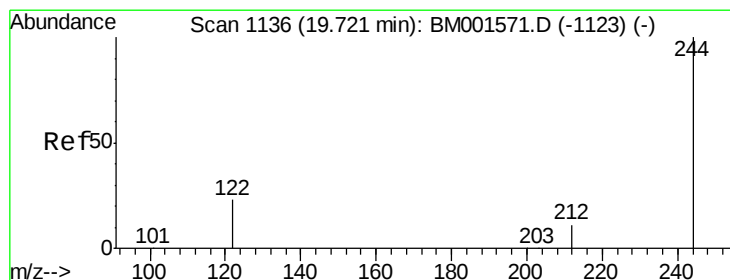
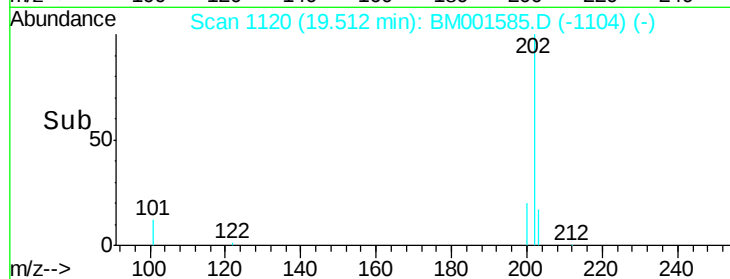
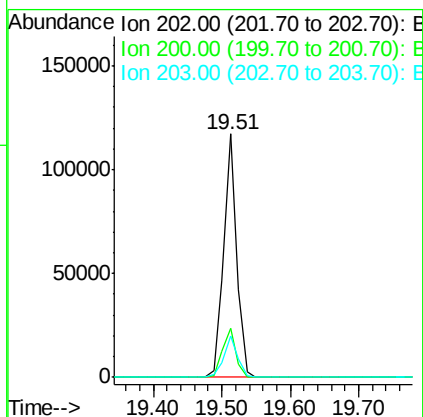
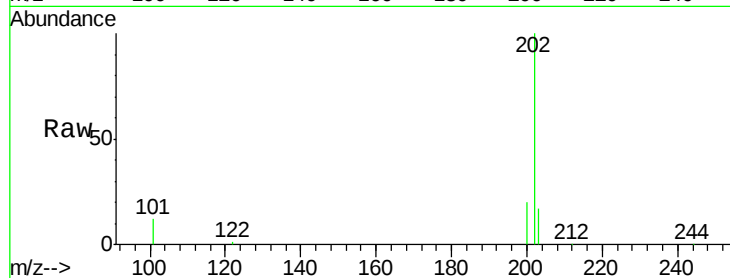




#26  
Pyrene  
Concen: 8.80 ng  
RT: 19.51 min Scan# 1120  
Delta R.T. -0.00 min  
Lab File: BM001585.D  
Acq: 06 Jun 2015 09:17

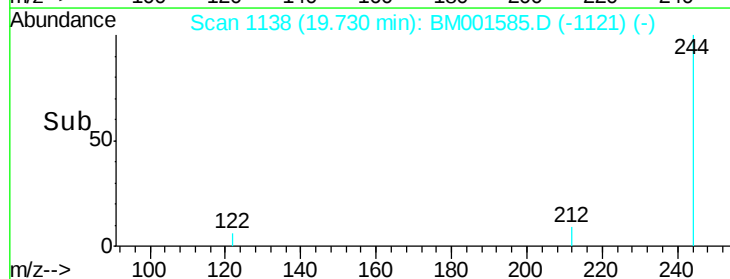
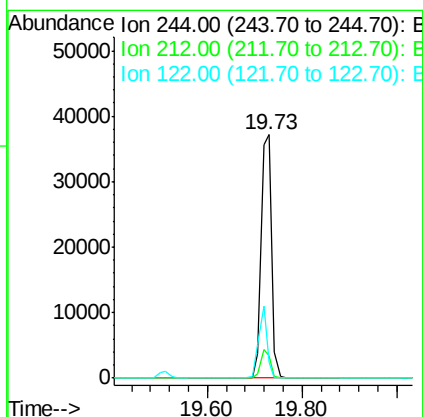
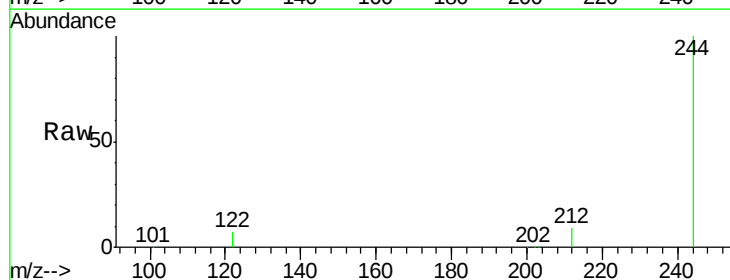
Instrument :  
BNA\_M  
ClientSampleId :  
PB83802BSD

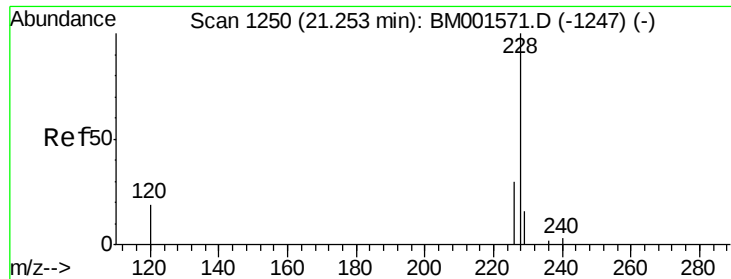
Tgt Ion: 202 Resp: 153848  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 24.8  
203 17.9 13.9 20.9



#27  
Terphenyl-d14  
Concen: 8.36 ng  
RT: 19.73 min Scan# 1138  
Delta R.T. 0.01 min  
Lab File: BM001585.D  
Acq: 06 Jun 2015 09:17

Tgt Ion: 244 Resp: 58702  
Ion Ratio Lower Upper  
244 100  
212 9.1 9.6 14.4#  
122 6.6 19.0 28.4#





#28

Benzo(a)anthracene

Concen: 8.56 ng

RT: 21.31 min Scan# 1255

Delta R.T. 0.06 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

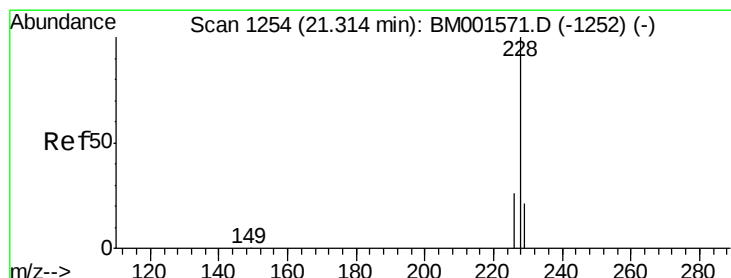
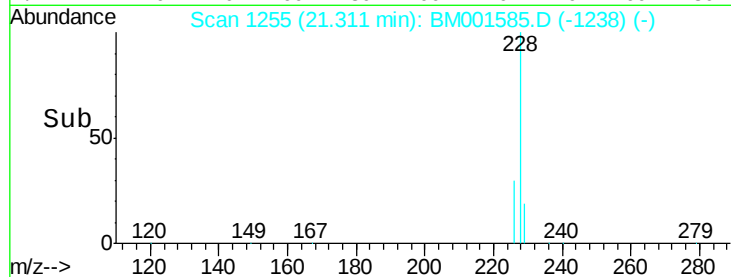
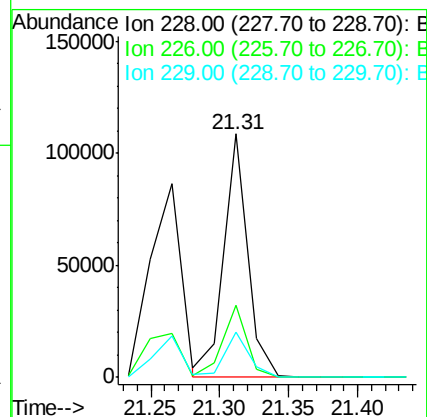
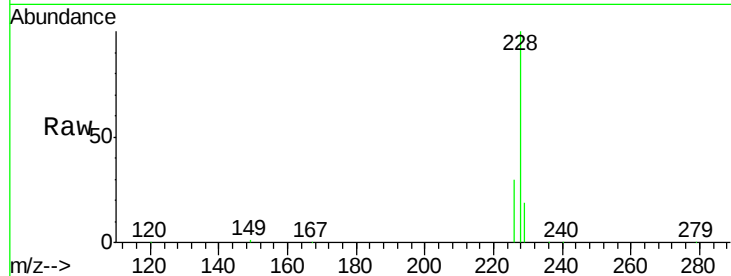
Tgt Ion:228 Resp: 131083

Ion Ratio Lower Upper

228 100

226 29.6 24.8 37.2

229 18.7 13.4 20.0



#29

Chrysene

Concen: 9.00 ng

RT: 21.31 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

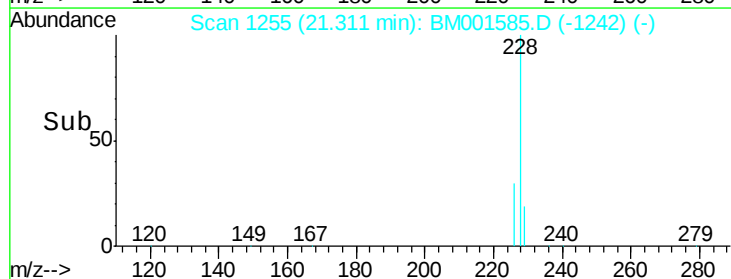
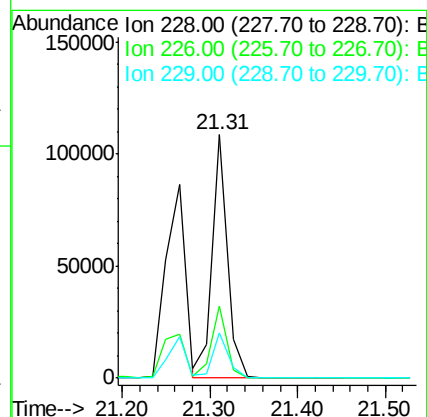
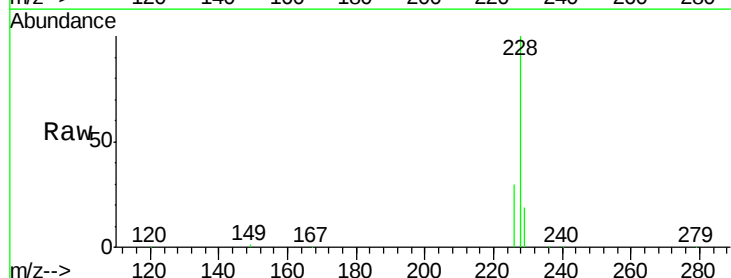
Tgt Ion:228 Resp: 131560

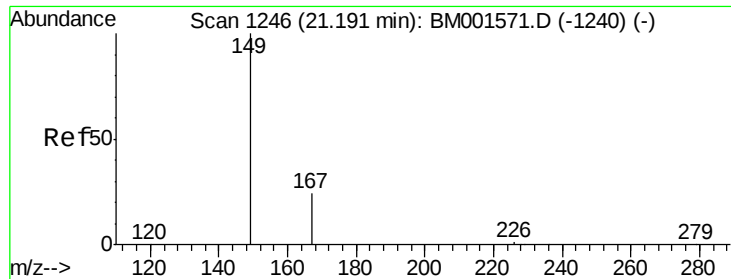
Ion Ratio Lower Upper

228 100

226 29.6 21.0 31.6

229 18.7 17.2 25.8

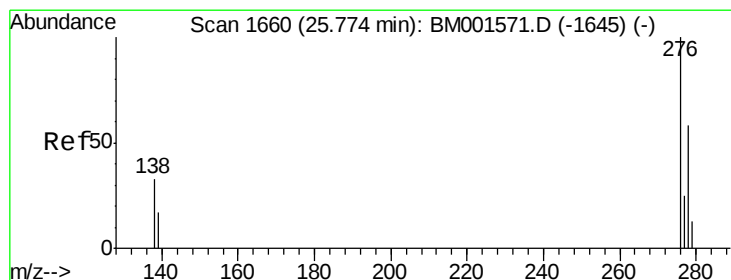
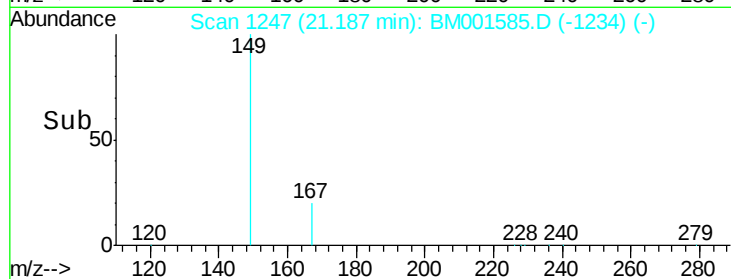
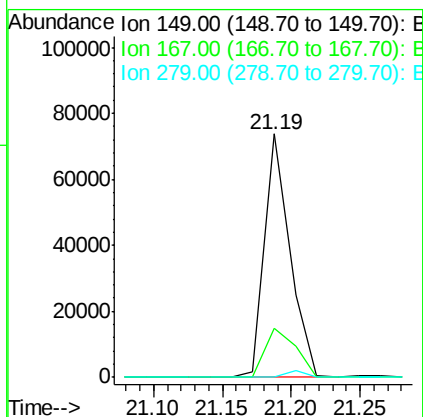
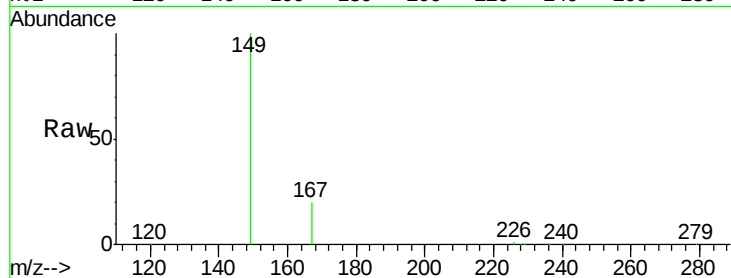




#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 9.02 ng  
 RT: 21.19 min Scan# 1247  
 Delta R.T. -0.00 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

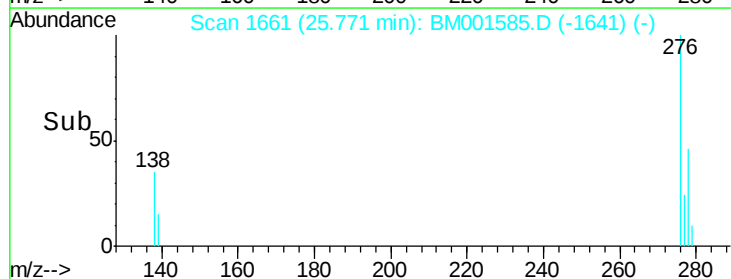
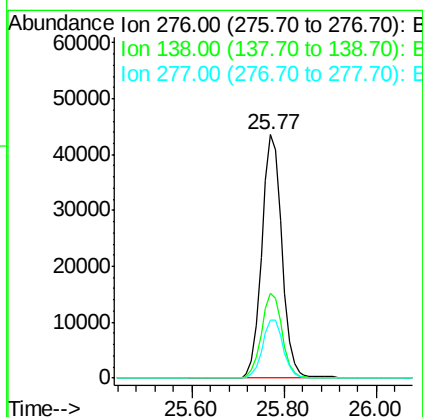
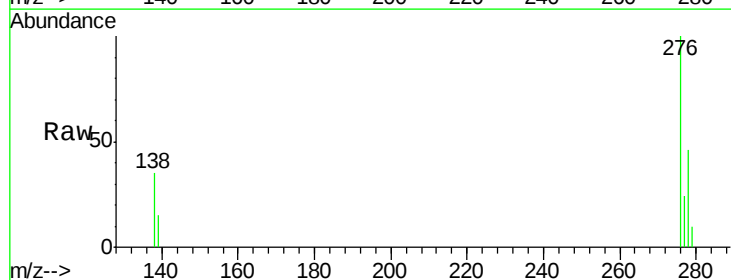
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83802BSD

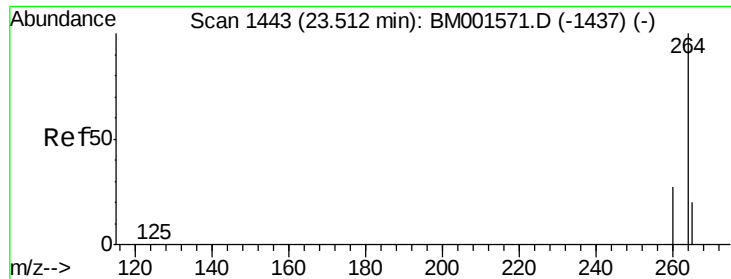
Tgt Ion:149 Resp: 92923  
 Ion Ratio Lower Upper  
 149 100  
 167 24.6 20.2 30.2  
 279 2.2 1.8 2.6



#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.35 ng  
 RT: 25.77 min Scan# 1661  
 Delta R.T. 0.01 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

Tgt Ion:276 Resp: 131123  
 Ion Ratio Lower Upper  
 276 100  
 138 35.8 28.0 42.0  
 277 24.5 19.7 29.5

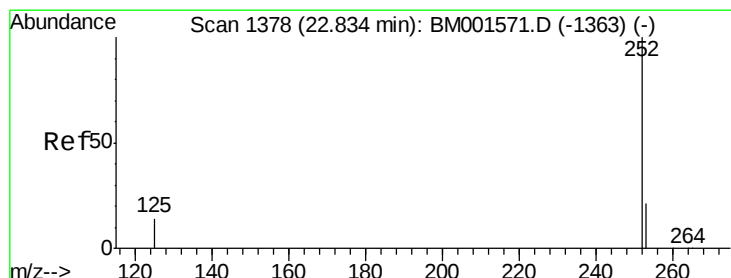
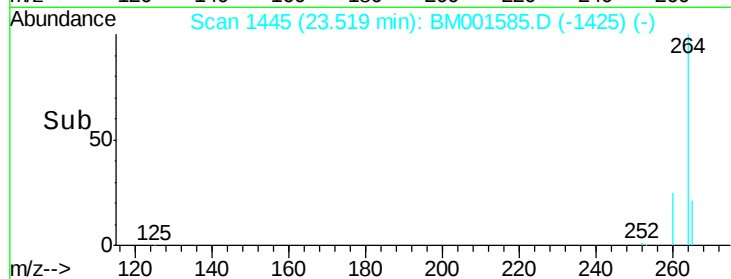
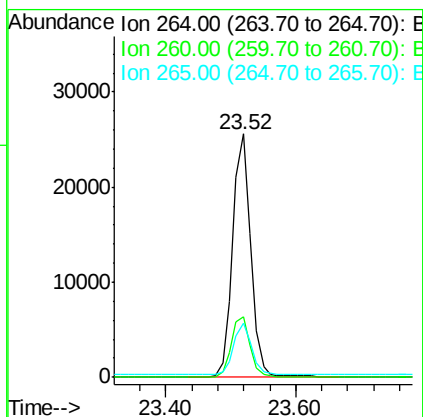
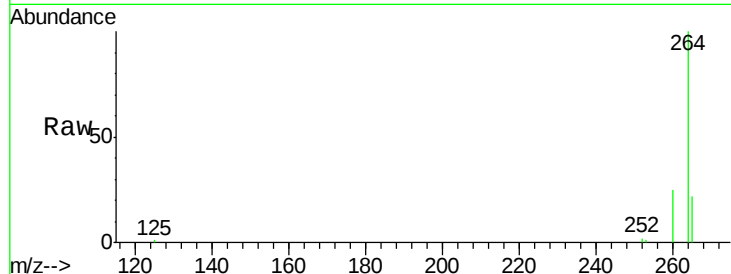




#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.52 min Scan# 1445  
 Delta R.T. 0.01 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

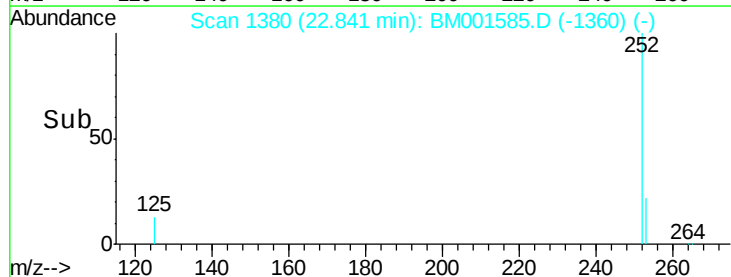
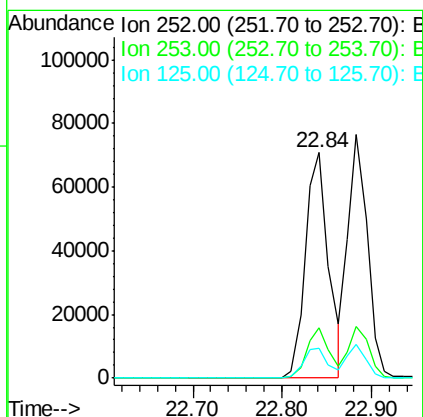
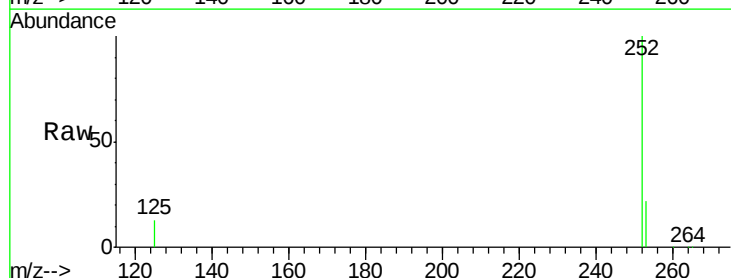
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83802BSD

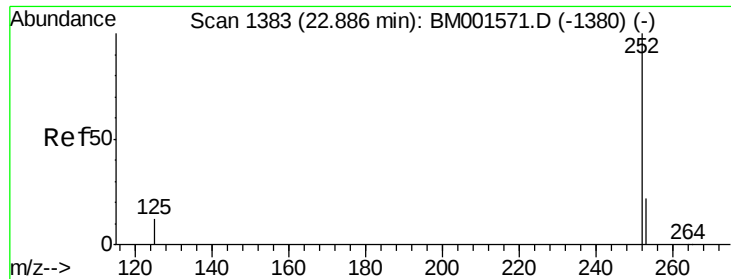
Tgt Ion: 264 Resp: 48739  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 21.6 32.4  
 265 22.3 16.5 24.7



#33  
 Benzo(b)fluoranthene  
 Concen: 8.82 ng  
 RT: 22.84 min Scan# 1380  
 Delta R.T. 0.01 min  
 Lab File: BM001585.D  
 Acq: 06 Jun 2015 09:17

Tgt Ion: 252 Resp: 128465  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.4 26.2  
 125 13.1 11.8 17.8





#34

Benzo(k)fluoranthene

Concen: 8.76 ng

RT: 22.88 min Scan# 1384

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

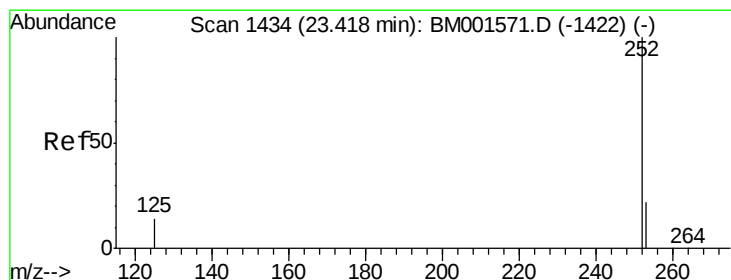
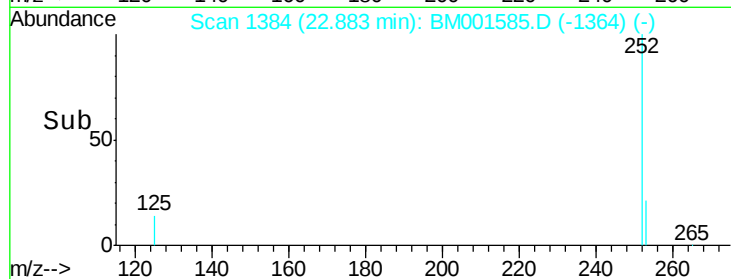
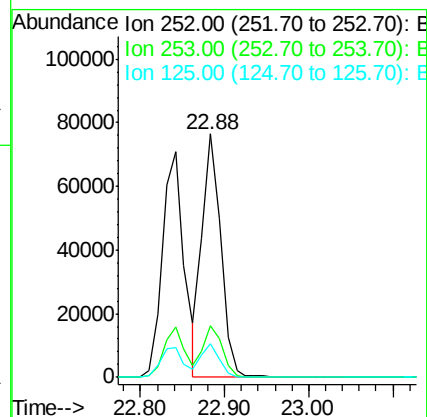
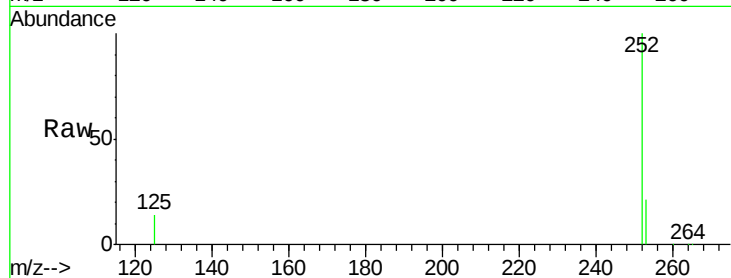
Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 116205 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 21.2  | 18.8  | 28.2   |
| 125      | 13.8  | 10.7  | 16.1   |



#35

Benzo(a)pyrene

Concen: 9.20 ng

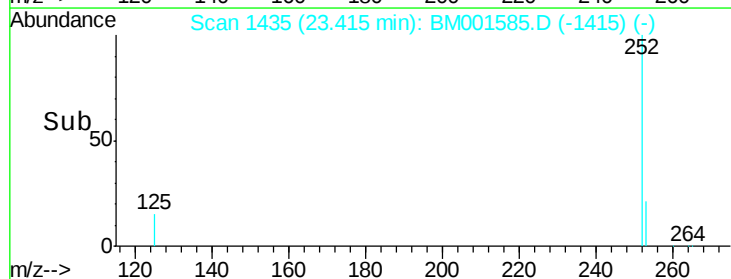
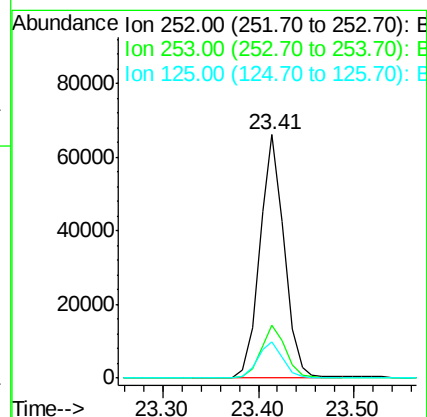
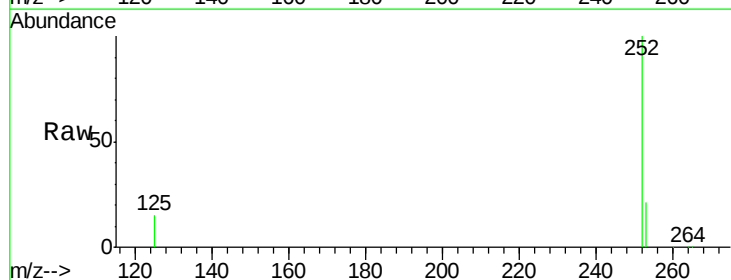
RT: 23.41 min Scan# 1435

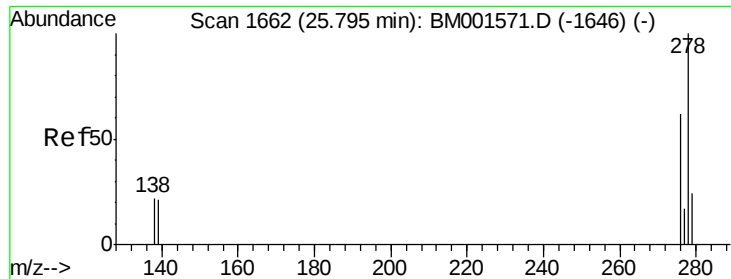
Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 117001 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 21.5  | 18.8  | 28.2   |
| 125      | 15.0  | 12.1  | 18.1   |





#36

Dibenzo(a,h)anthracene

Concen: 8.42 ng

RT: 25.79 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

Instrument :

BNA\_M

ClientSampleId :

PB83802BSD

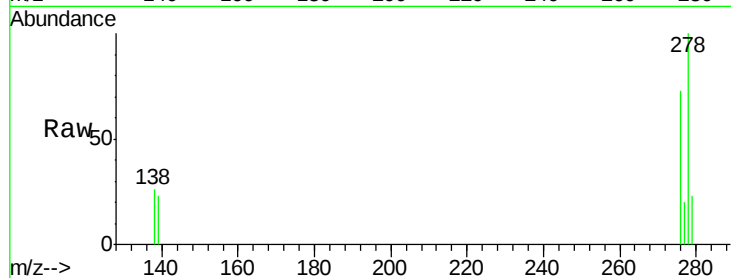
Tgt Ion: 278 Resp: 105043

Ion Ratio Lower Upper

278 100

139 22.7 17.4 26.0

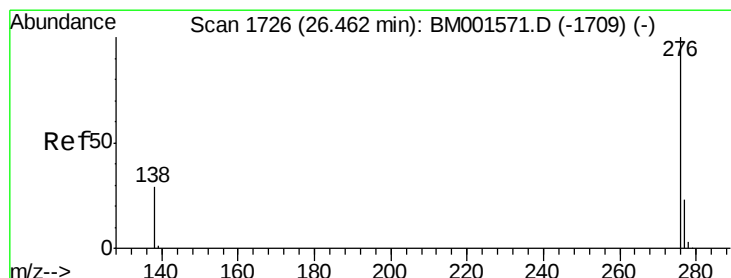
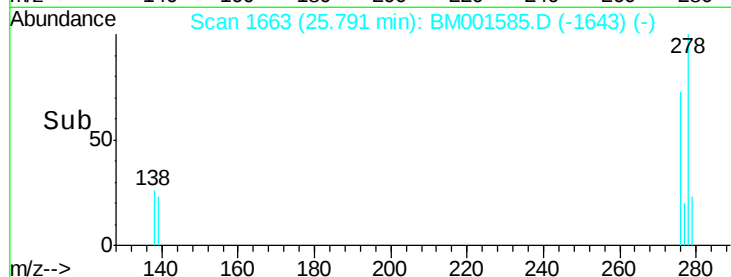
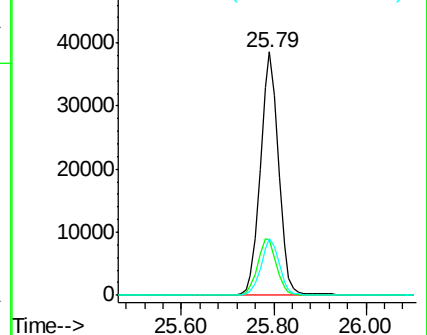
279 23.2 20.0 30.0



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: 8.33 ng

RT: 26.47 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BM001585.D

Acq: 06 Jun 2015 09:17

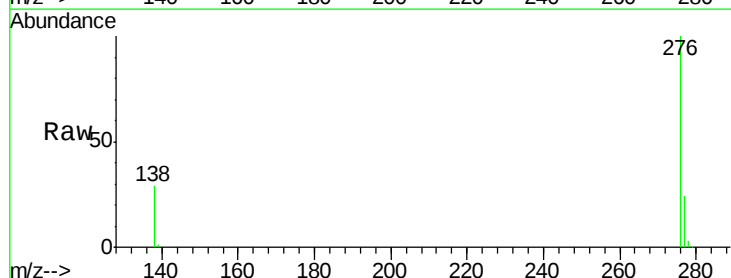
Tgt Ion: 276 Resp: 109247

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 28.8 23.7 35.5



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

