

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM012216\  
 Data File : BM004102.D  
 Acq On : 21 Jan 2016 16:53  
 Operator : SJ/UM  
 Sample : SSTDC001  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP

Quant Time: Jan 22 01:19:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM010216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 13:33:21 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 33573    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 143439   | 5.00 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 90052    | 5.00 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.07 | 188  | 175124   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 235509   | 5.00 | ng    | 0.01     |
| 35) Perylene-d12          | 23.51 | 264  | 225999   | 5.00 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.25  | 112 | 6599  | 0.96 | ng | -0.02 |
| 5) Phenol-d6                | 6.85  | 99  | 7905  | 0.94 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 6537  | 0.93 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330 | 2172  | 1.02 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 25058 | 0.86 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.71 | 244 | 29635 | 0.78 | ng | -0.01 |

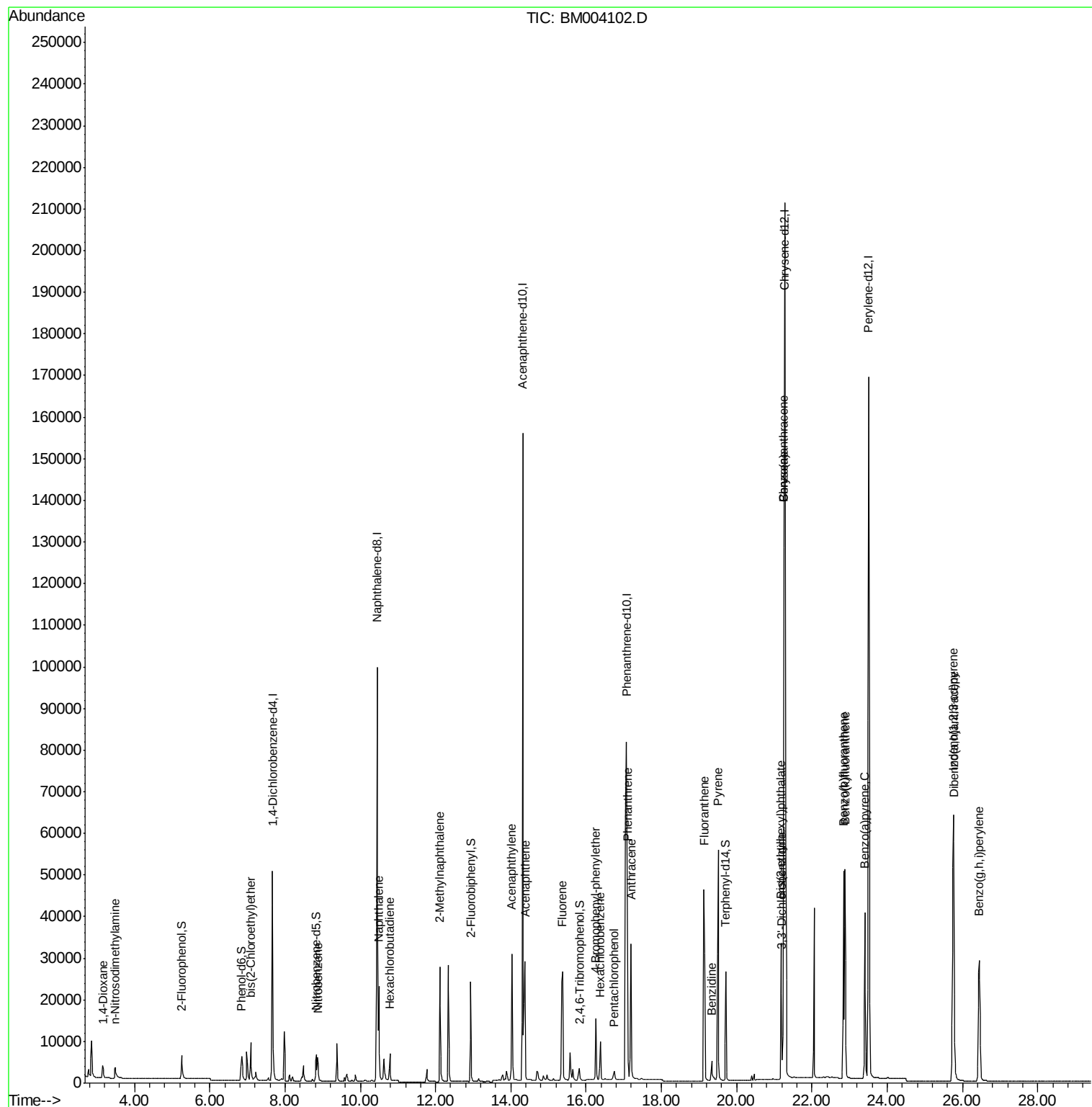
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.17  | 88  | 2997   | 1.01   | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.48  | 42  | 3074   | 0.89   | ng | 96   |
| 6) bis(2-Chloroethyl)ether     | 7.09  | 93  | 7316   | 0.95   | ng | 98   |
| 9) Nitrobenzene                | 8.87  | 77  | 6993   | 0.92   | ng | 99   |
| 10) Naphthalene                | 10.49 | 128 | 31036  | 0.99   | ng | 98   |
| 11) Hexachlorobutadiene        | 10.78 | 225 | 4742   | 0.99   | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 21587  | 1.02   | ng | 95   |
| 16) Acenaphthylene             | 14.02 | 152 | 36586  | 0.97   | ng | 99   |
| 17) Acenaphthene               | 14.38 | 154 | 22239  | 0.85   | ng | 96   |
| 18) Fluorene                   | 15.38 | 166 | 27021  | 0.87   | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 9024   | 1.67   | ng | 93   |
| 21) Hexachlorobenzene          | 16.38 | 284 | 9100   | 1.58   | ng | # 87 |
| 22) Pentachlorophenol          | 16.74 | 266 | 1946   | 1.40   | ng | 93   |
| 23) Phenanthrene               | 17.09 | 178 | 56675  | 1.72   | ng | 99   |
| 24) Anthracene                 | 17.20 | 178 | 44763  | 1.27   | ng | 99   |
| 25) Fluoranthene               | 19.13 | 202 | 57152  | 1.47   | ng | 100  |
| 27) Benzidine                  | 19.34 | 184 | 10319  | 0.65   | ng | 99   |
| 28) Pyrene                     | 19.51 | 202 | 62102  | 0.73   | ng | 100  |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 126700 | 1.89   | ng | 94   |
| 31) 3,3'-Dichlorobenzidine     | 21.20 | 252 | 18590  | 1.08   | ng | # 88 |
| 32) Chrysene                   | 21.26 | 228 | 127081 | 1.83   | ng | # 89 |
| 33) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 33750  | 1.13   | ng | # 98 |
| 34) Indeno(1,2,3-cd)pyrene     | 25.76 | 276 | 68379  | 1.37   | ng | 100  |
| 36) Benzo(b)fluoranthene       | 22.84 | 252 | 66710  | 0.97   | ng | 99   |
| 37) Benzo(k)fluoranthene       | 22.88 | 252 | 59166  | 0.88   | ng | 99   |
| 38) Benzo(a)pyrene             | 23.41 | 252 | 58435  | 0.99   | ng | 99   |
| 39) Dibenzo(a,h)anthracene     | 25.77 | 278 | 53884  | 1.07   | ng | 99   |
| 40) Benzo(g,h,i)perylene       | 26.44 | 276 | 56682  | 1.07   | ng | 99   |

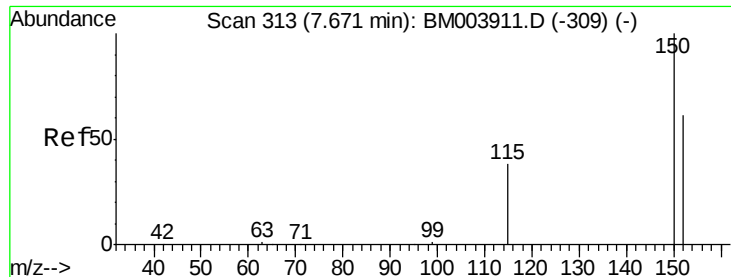
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM012216\  
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

Quant Time: Jan 22 01:19:22 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM010216.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 04 13:33:21 2016  
Response via : Initial Calibration



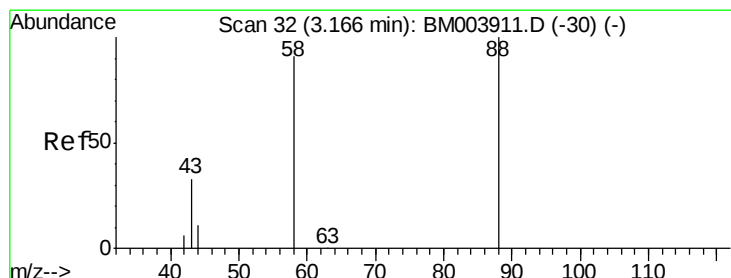
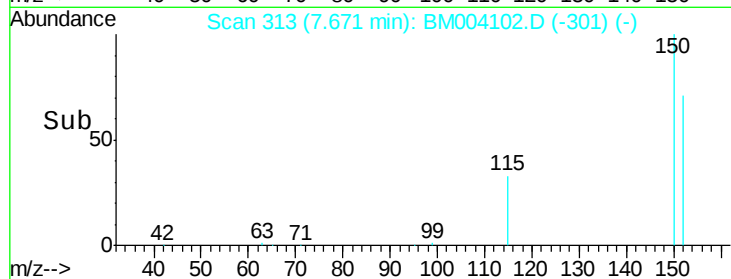
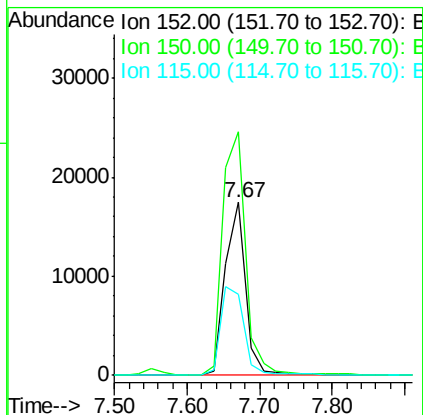
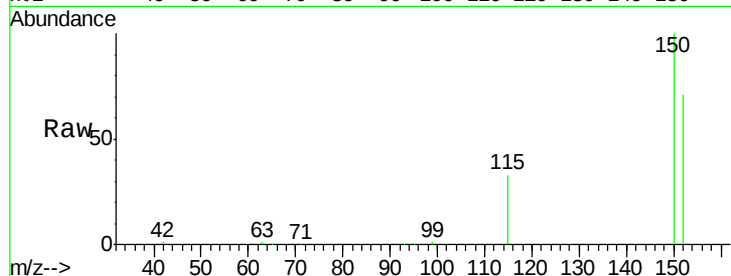


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.67 min Scan# 313  
Delta R.T. 0.00 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

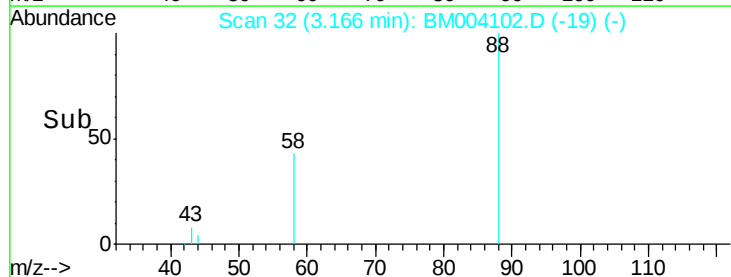
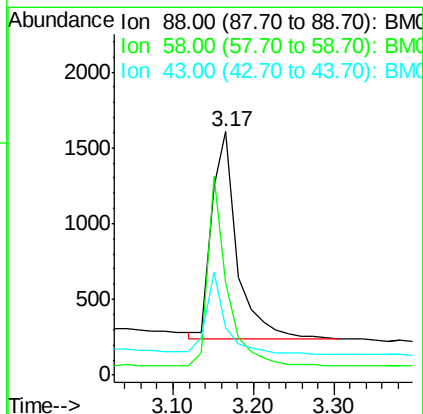
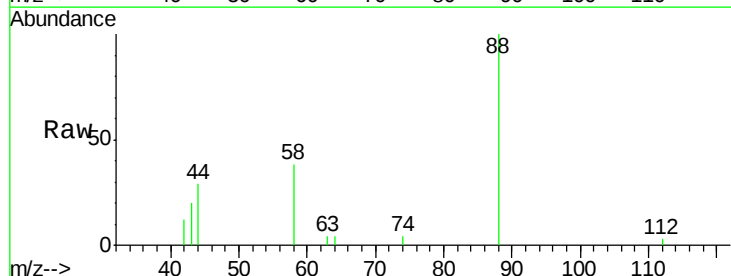
Tgt Ion:152 Resp: 33573  
Ion Ratio Lower Upper  
152 100  
150 140.9 122.9 184.3  
115 46.9 44.4 66.6

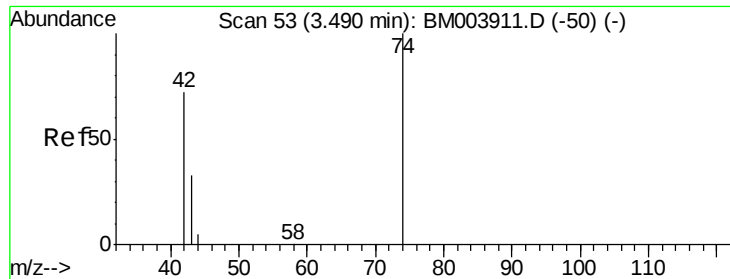


#2

1,4-Dioxane  
Concen: 1.01 ng  
RT: 3.17 min Scan# 32  
Delta R.T. 0.00 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

Tgt Ion: 88 Resp: 2997  
Ion Ratio Lower Upper  
88 100  
58 70.3 53.8 80.6  
43 31.1 23.8 35.6





#3

n-Nitrosodimethylamine

Concen: 0.89 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

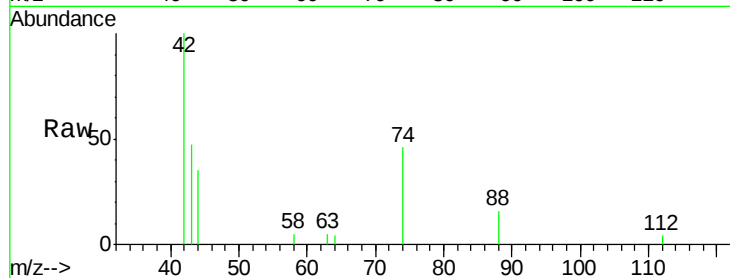
Tgt Ion: 42 Resp: 3074

Ion Ratio Lower Upper

42 100

74 123.0 95.0 142.4

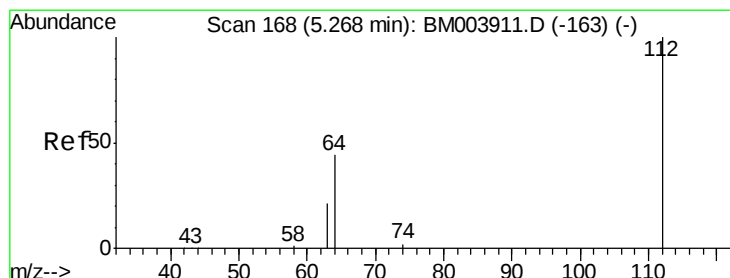
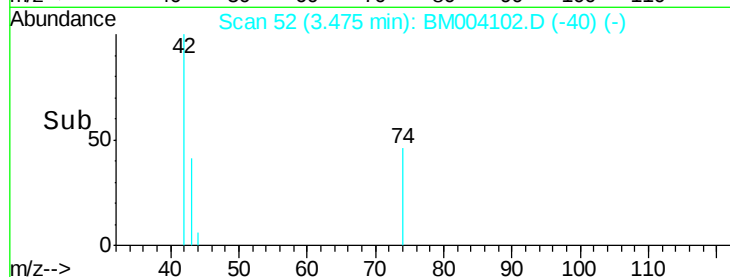
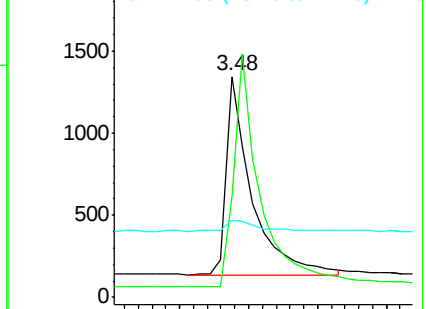
44 7.2 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM003911.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003911.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003911.D (-50) (-)



#4

2-Fluorophenol

Concen: 0.96 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

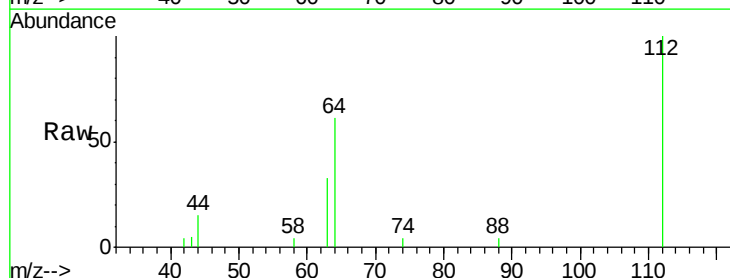
Tgt Ion: 112 Resp: 6599

Ion Ratio Lower Upper

112 100

64 52.0 41.8 62.8

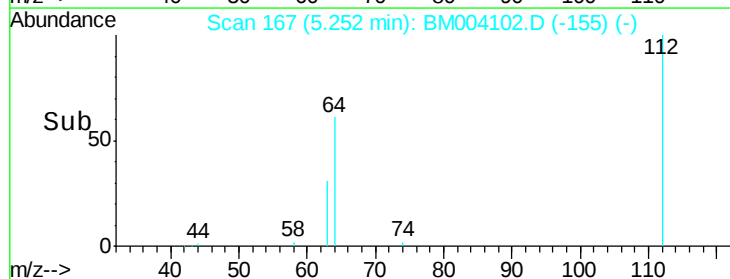
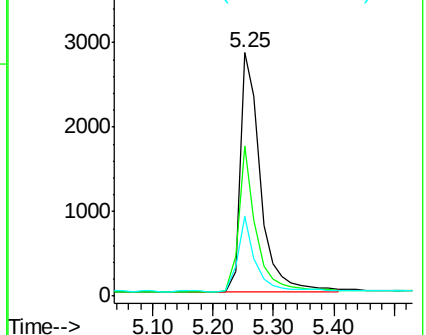
63 27.2 22.1 33.1

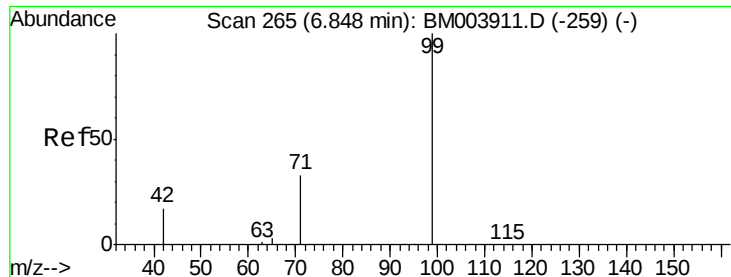


Abundance Ion 112.00 (111.70 to 112.70): BM003911.D (-163) (-)

Ion 64.00 (63.70 to 64.70): BM003911.D (-163) (-)

Ion 63.00 (62.70 to 63.70): BM003911.D (-163) (-)





#5

Phenol-d6

Concen: 0.94 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

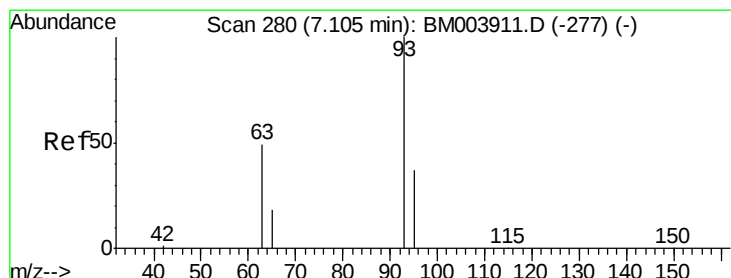
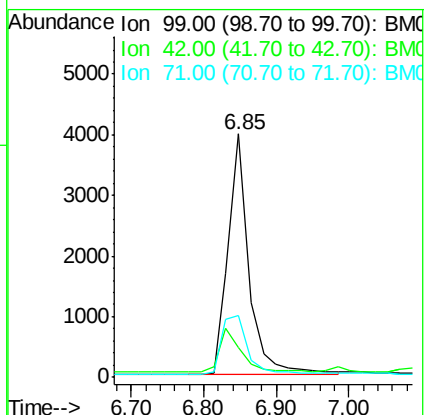
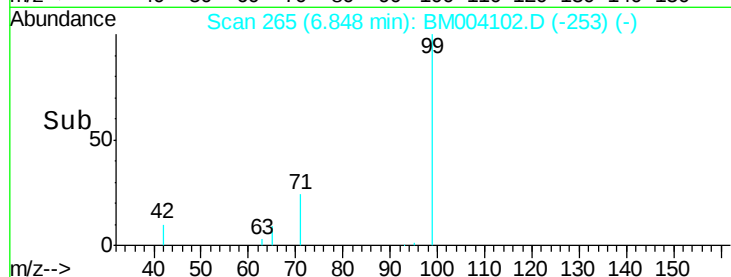
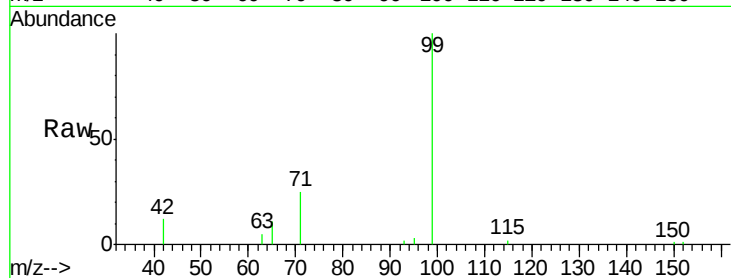
Tgt Ion: 99 Resp: 7905

Ion Ratio Lower Upper

99 100

42 18.9 16.2 24.2

71 30.7 24.4 36.6



#6

bis(2-Chloroethyl)ether

Concen: 0.95 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

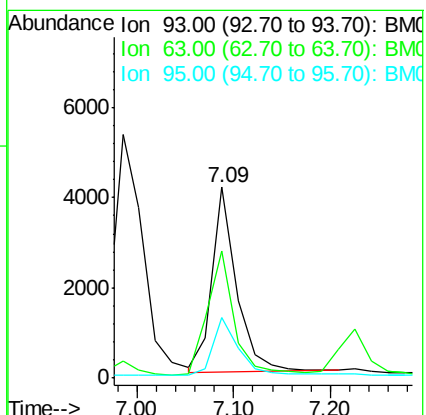
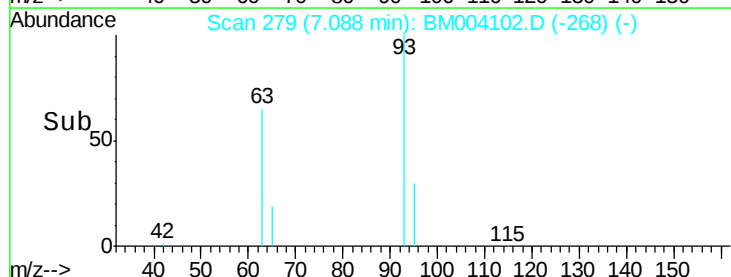
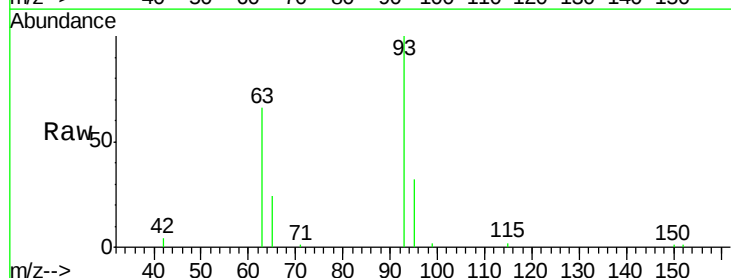
Tgt Ion: 93 Resp: 7316

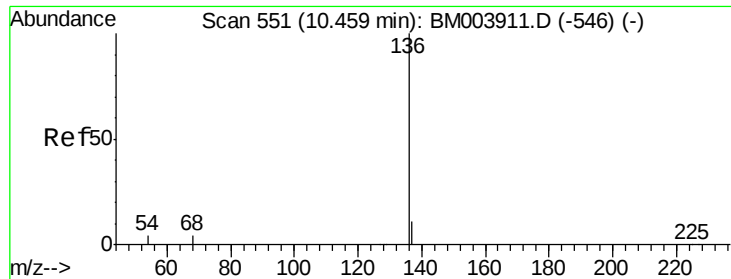
Ion Ratio Lower Upper

93 100

63 72.0 58.3 87.5

95 33.9 25.8 38.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

Tgt Ion: 136 Resp: 143439

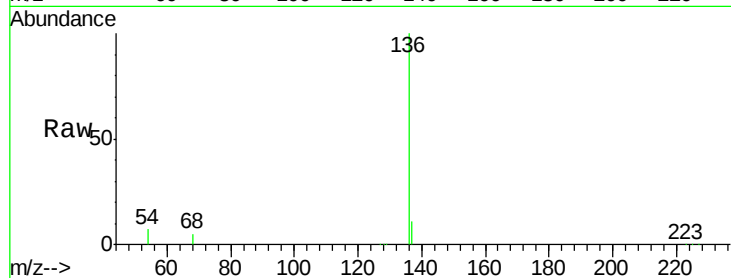
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 6.7 2.8 4.2#

68 5.2 2.5 3.7#

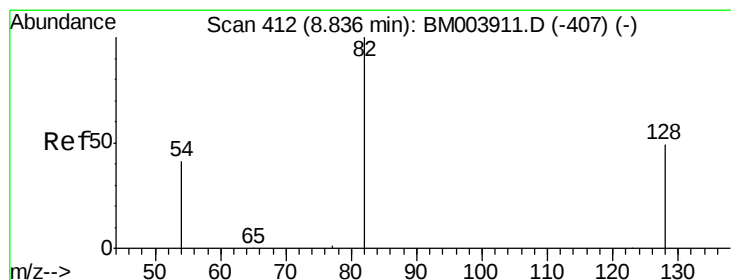
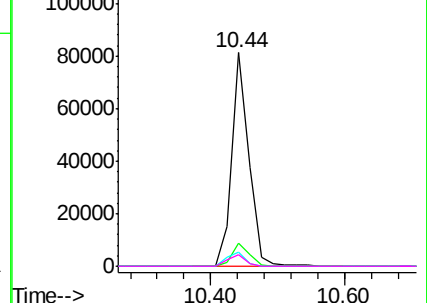
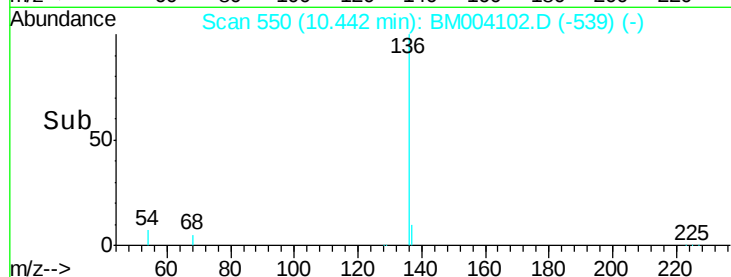


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 0.93 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

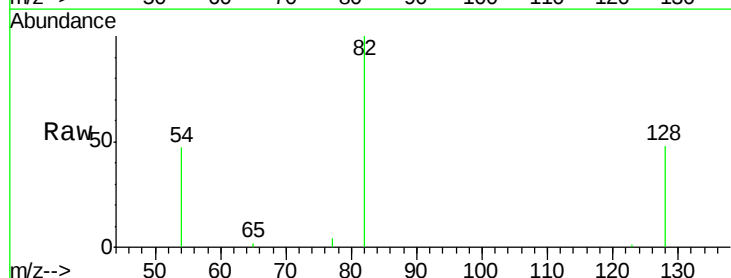
Tgt Ion: 82 Resp: 6537

Ion Ratio Lower Upper

82 100

128 47.6 39.1 58.7

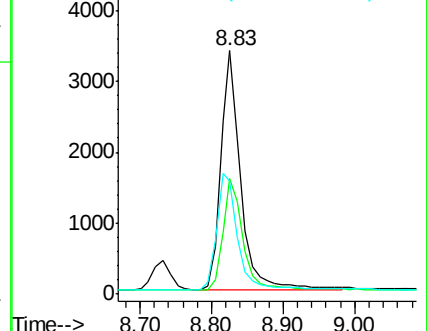
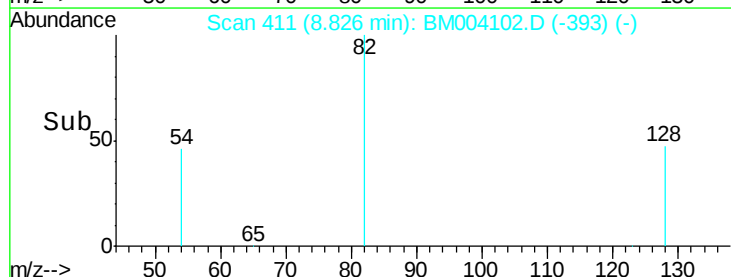
54 46.6 34.8 52.2

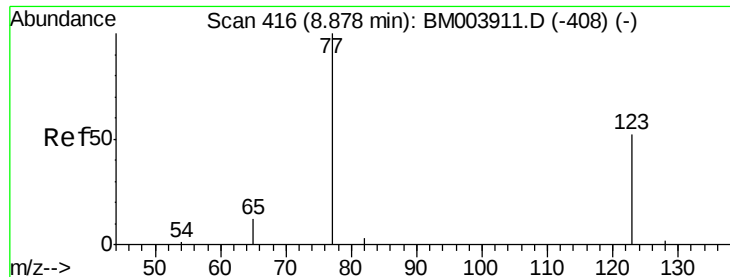


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.92 ng

RT: 8.87 min Scan# 415

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

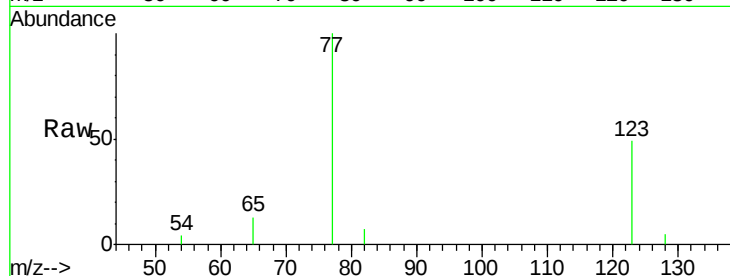
Tgt Ion: 77 Resp: 6993

Ion Ratio Lower Upper

77 100

123 48.7 38.6 57.8

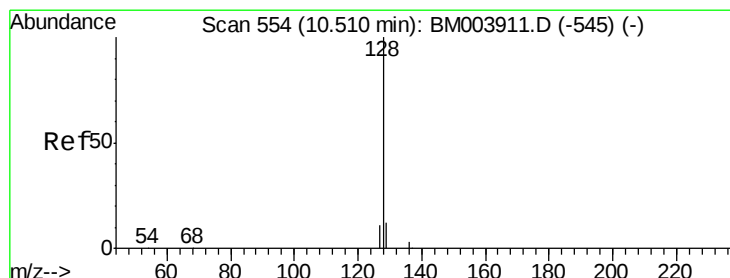
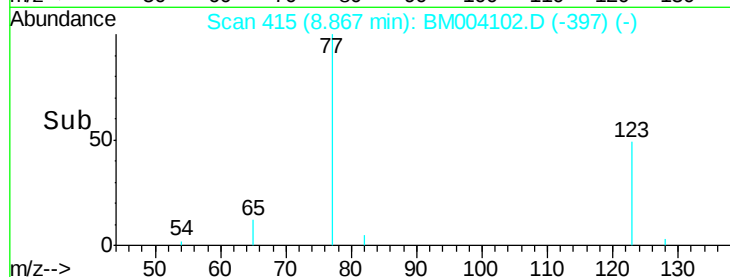
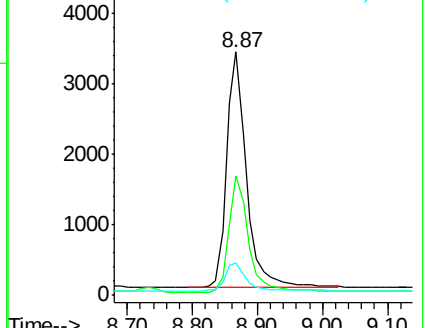
65 12.4 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BM003911.D (-408) (-)

Ion 123.00 (122.70 to 123.70): BM003911.D (-408) (-)

Ion 65.00 (64.70 to 65.70): BM003911.D (-408) (-)



#10

Naphthalene

Concen: 0.99 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

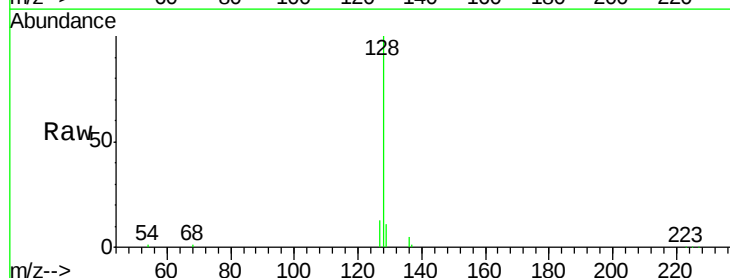
Tgt Ion: 128 Resp: 31036

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

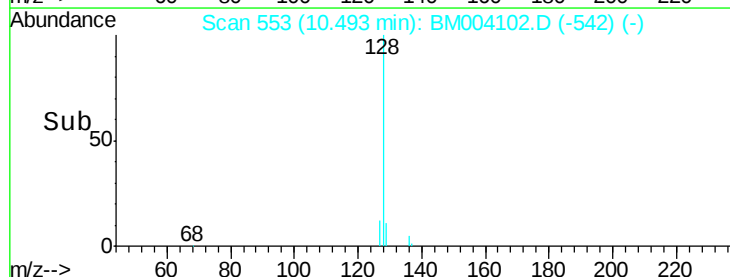
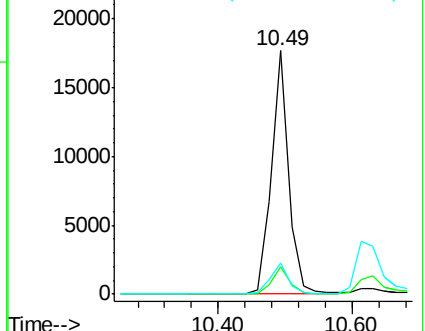
127 12.6 11.0 16.4

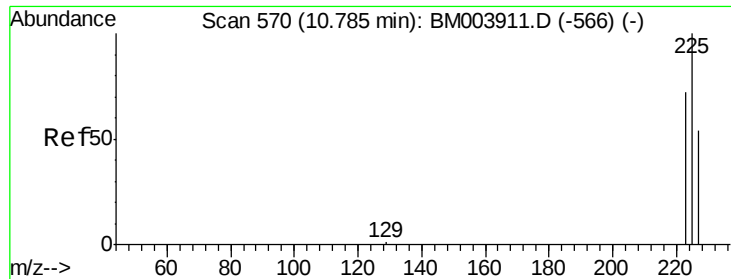


Abundance Ion 128.00 (127.70 to 128.70): BM003911.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003911.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003911.D (-545) (-)

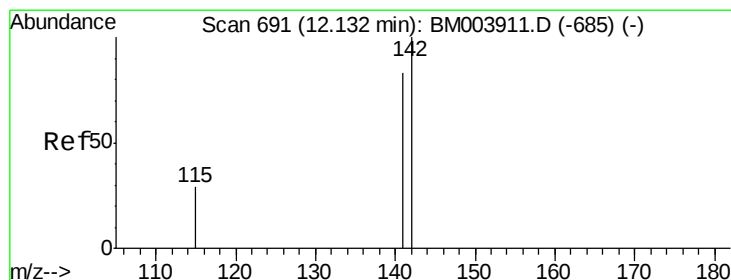
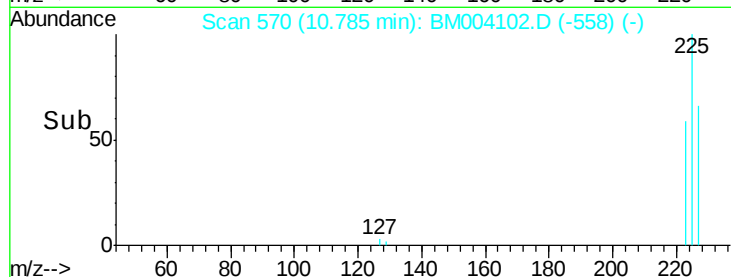
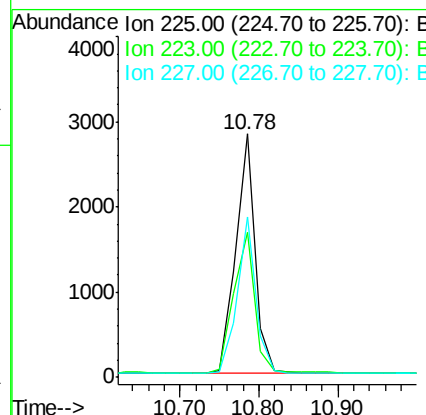
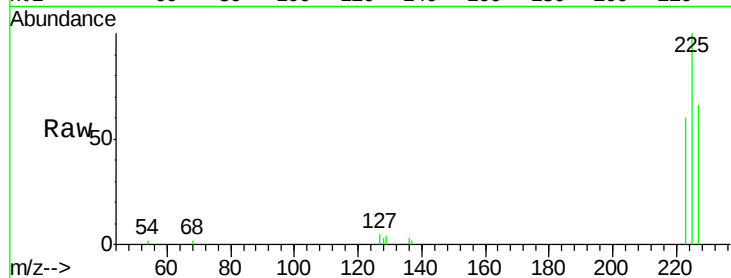




#11  
Hexachlorobutadiene  
Concen: 0.99 ng  
RT: 10.78 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

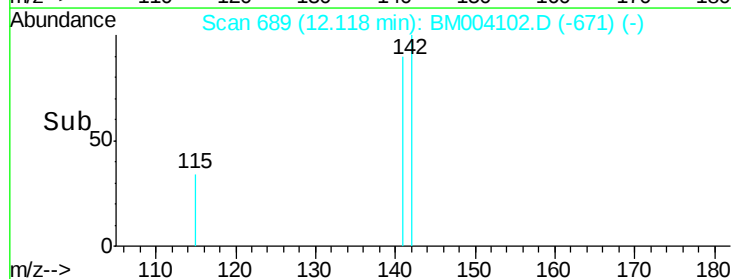
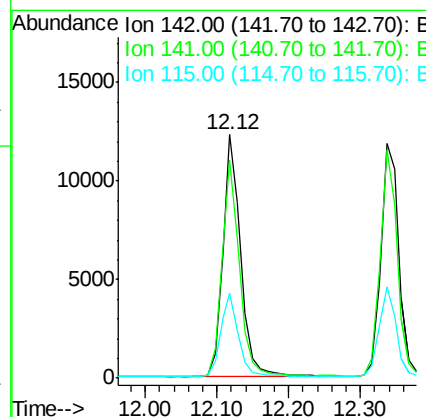
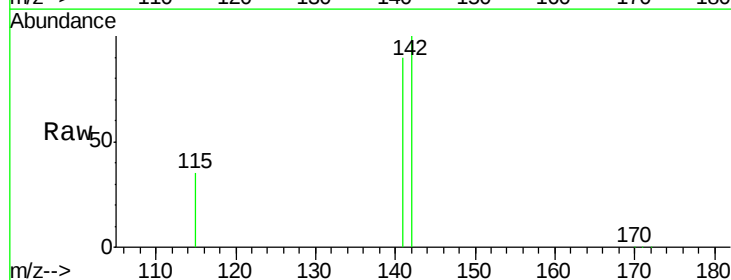
Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

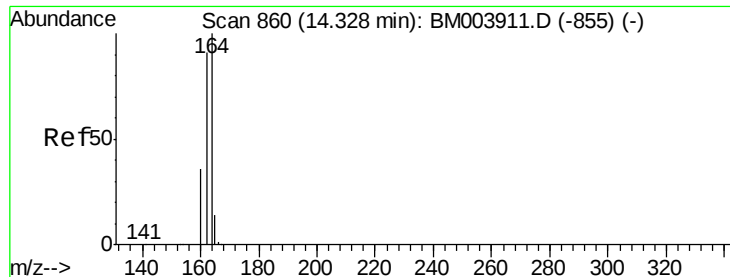
Tgt Ion: 225 Resp: 4742  
Ion Ratio Lower Upper  
225 100  
223 62.9 50.9 76.3  
227 63.6 51.2 76.8



#12  
2-Methylnaphthalene  
Concen: 1.02 ng  
RT: 12.12 min Scan# 689  
Delta R.T. -0.01 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

Tgt Ion: 142 Resp: 21587  
Ion Ratio Lower Upper  
142 100  
141 89.5 67.8 101.8  
115 34.8 25.3 37.9





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

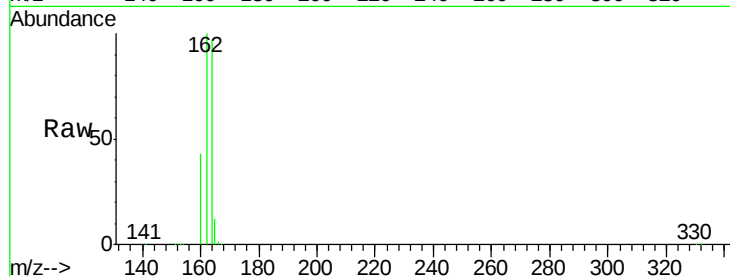
Tgt Ion:164 Resp: 90052

Ion Ratio Lower Upper

164 100

162 103.5 86.0 129.0

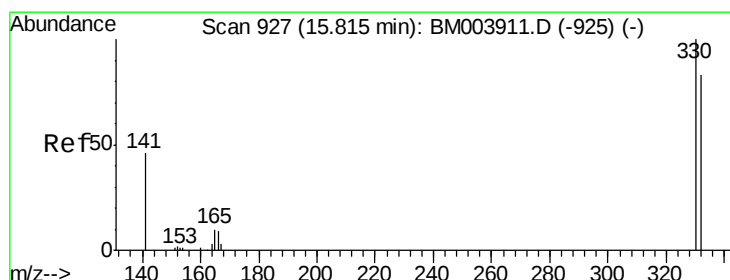
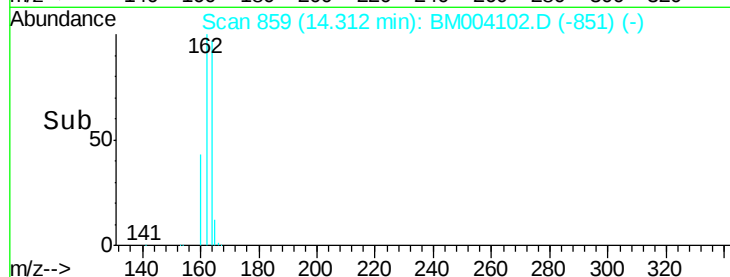
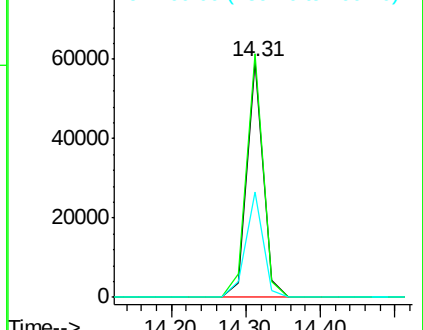
160 44.8 40.3 60.5



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



#14

2,4,6-Tribromophenol

Concen: 1.02 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

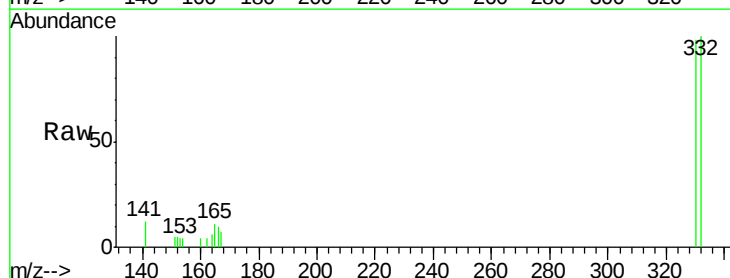
Tgt Ion:330 Resp: 2172

Ion Ratio Lower Upper

330 100

332 98.2 79.0 118.4

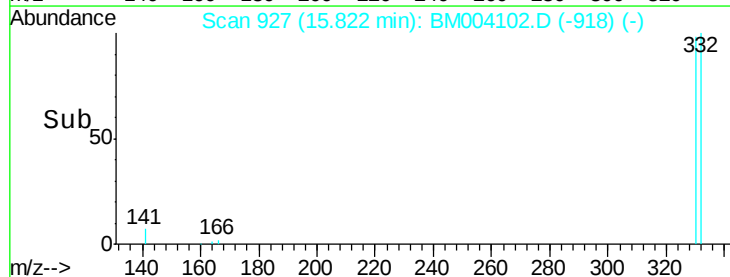
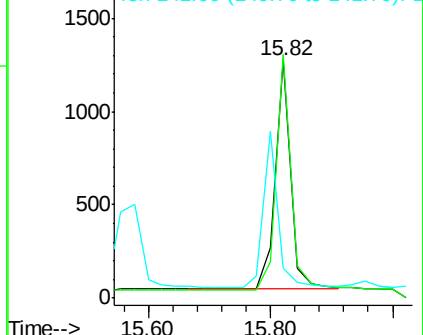
141 0.0 0.0 0.0

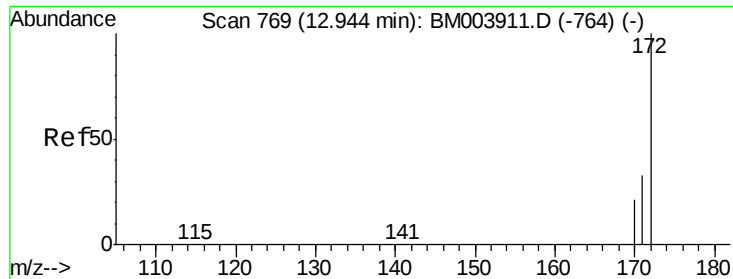


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

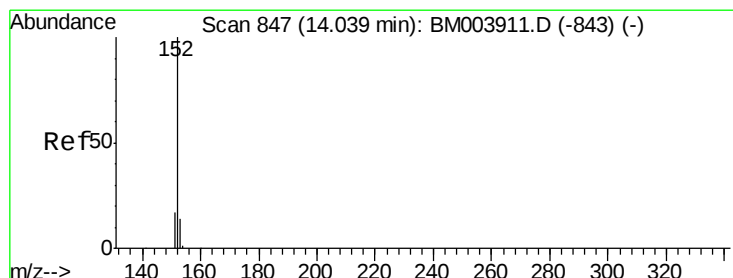
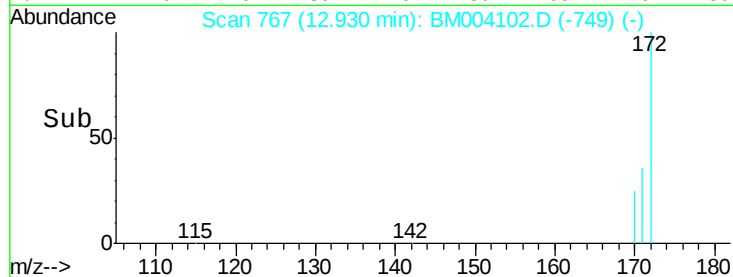
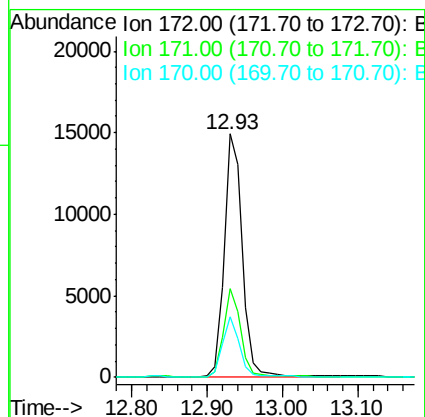
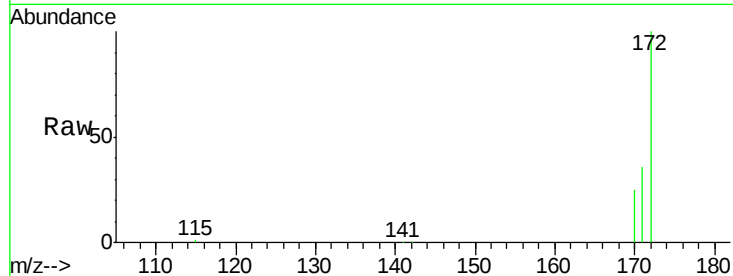




#15  
2-Fluorobiphenyl  
Concen: 0.86 ng  
RT: 12.93 min Scan# 767  
Delta R.T. -0.01 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

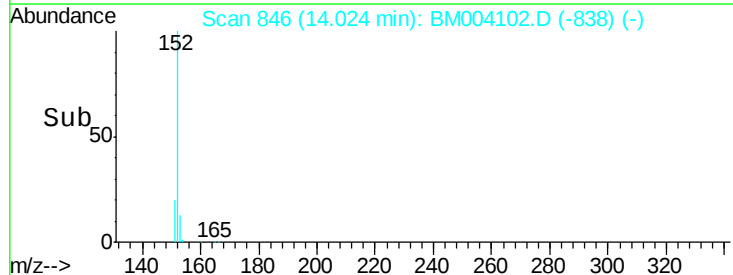
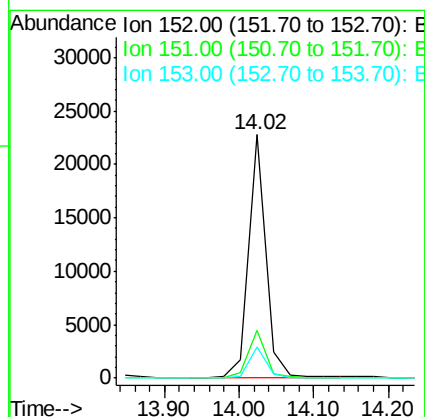
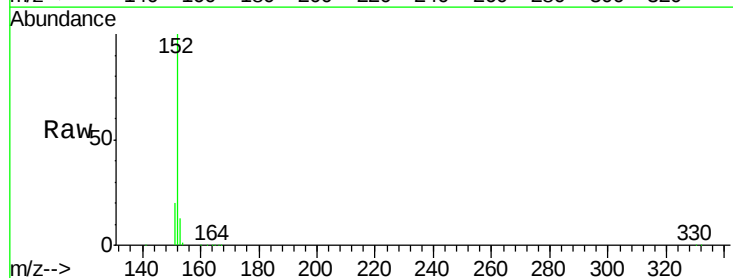
Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

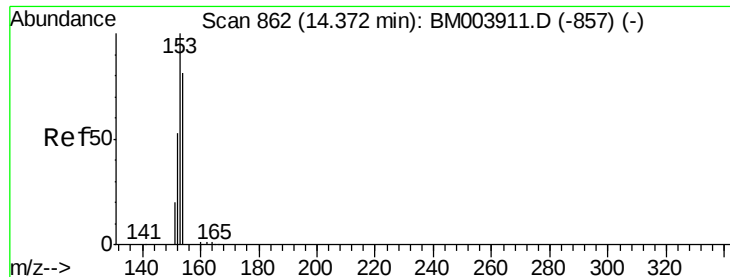
Tgt Ion:172 Resp: 25058  
Ion Ratio Lower Upper  
172 100  
171 36.2 27.0 40.6  
170 25.1 17.9 26.9



#16  
Acenaphthylene  
Concen: 0.97 ng  
RT: 14.02 min Scan# 846  
Delta R.T. -0.02 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

Tgt Ion:152 Resp: 36586  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.8 23.8  
153 12.9 10.2 15.4

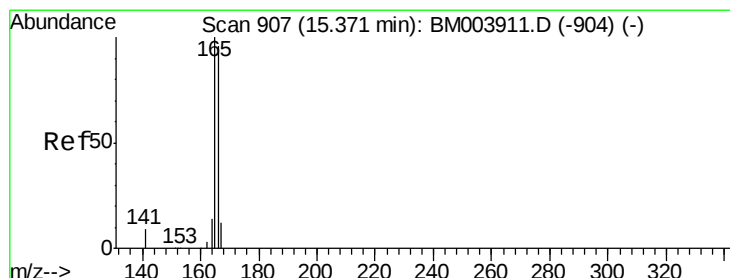
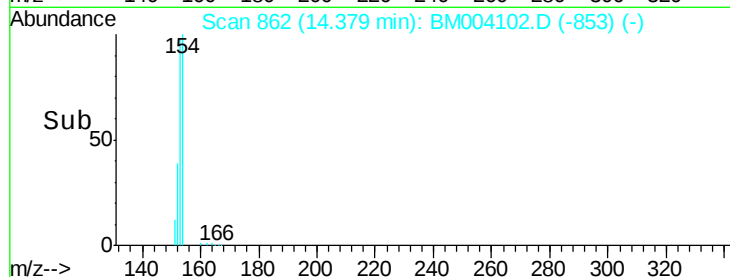
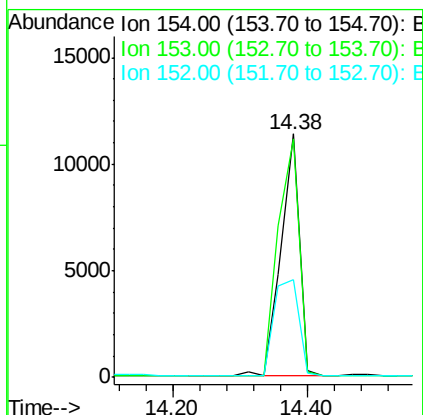
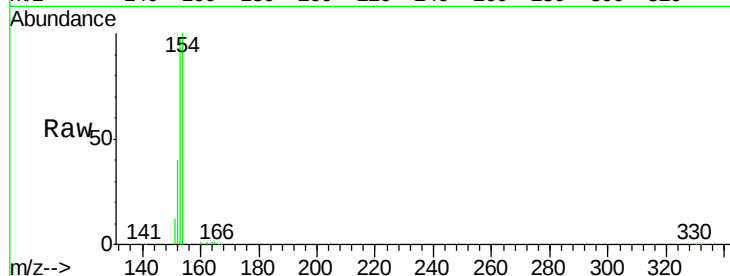




#17  
Acenaphthene  
Concen: 0.85 ng  
RT: 14.38 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

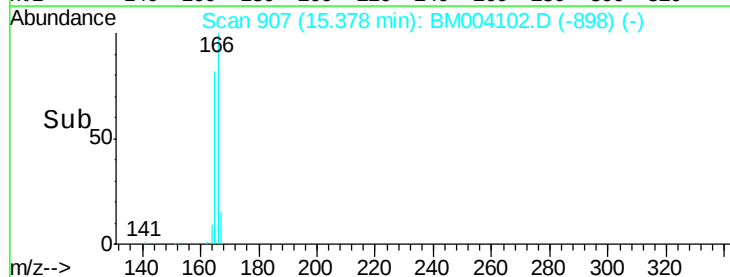
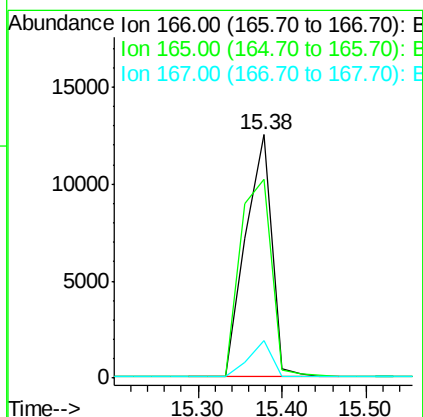
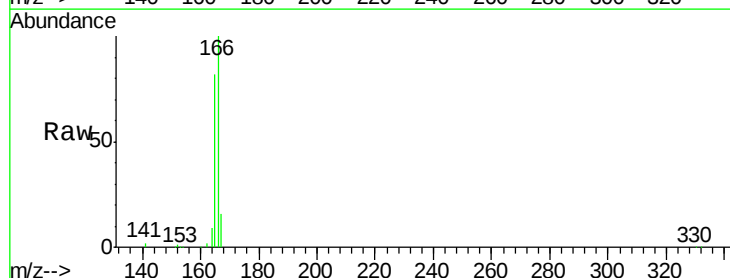
Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

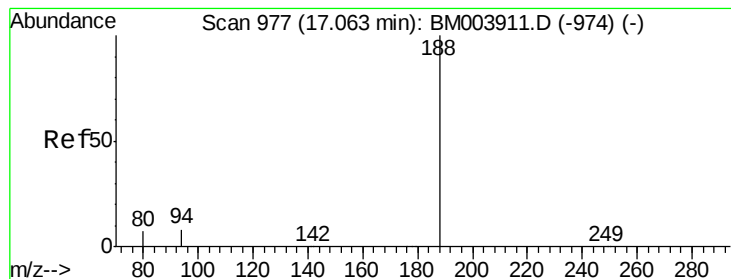
Tgt Ion:154 Resp: 22239  
Ion Ratio Lower Upper  
154 100  
153 110.7 85.4 128.2  
152 52.9 40.6 60.8



#18  
Fluorene  
Concen: 0.87 ng  
RT: 15.38 min Scan# 907  
Delta R.T. 0.01 min  
Lab File: BM004102.D  
Acq: 21 Jan 2016 16:53

Tgt Ion:166 Resp: 27021  
Ion Ratio Lower Upper  
166 100  
165 97.2 77.2 115.8  
167 13.7 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

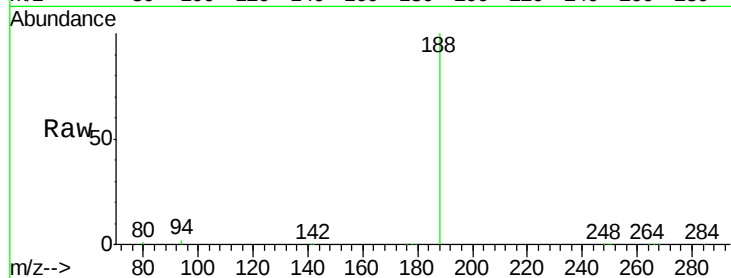
Tgt Ion:188 Resp: 175124

Ion Ratio Lower Upper

188 100

94 1.9 20.3 30.5#

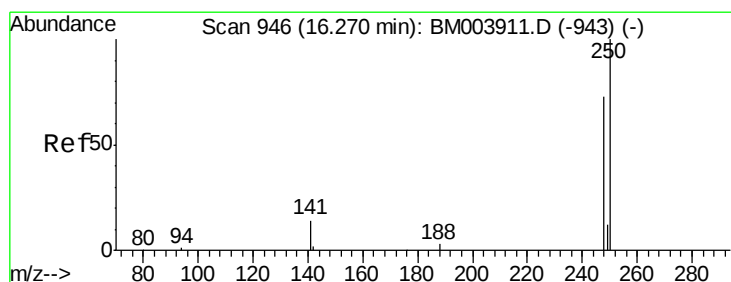
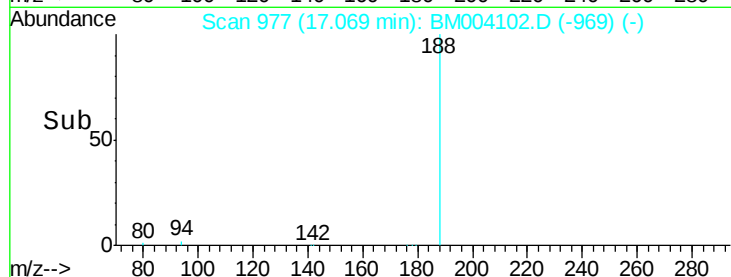
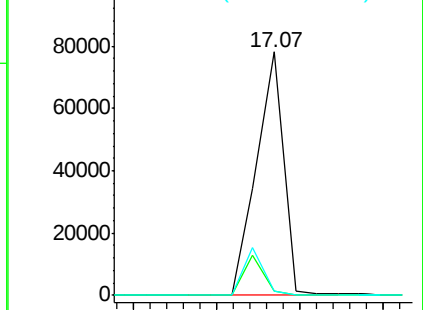
80 1.5 22.2 33.4#



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



#20

4-Bromophenyl-phenylether

Concen: 1.67 ng

RT: 16.25 min Scan# 945

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

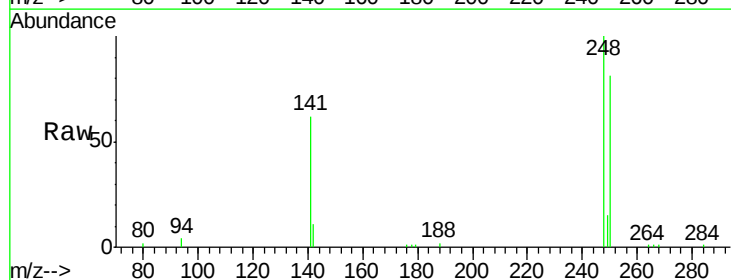
Tgt Ion:248 Resp: 9024

Ion Ratio Lower Upper

248 100

250 86.1 75.0 112.4

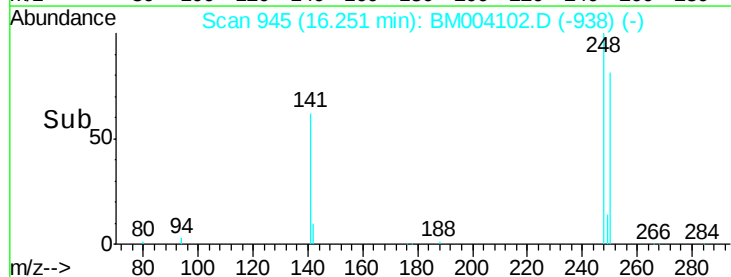
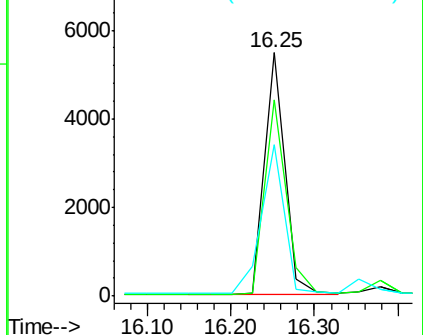
141 70.2 53.0 79.4

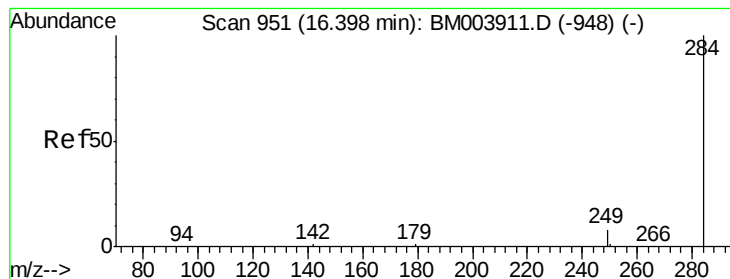


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.58 ng

RT: 16.38 min Scan# 950

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

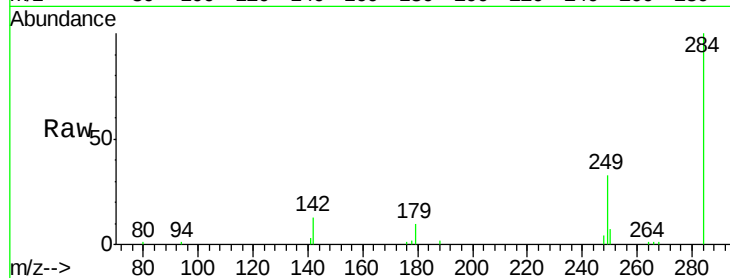
Tgt Ion:284 Resp: 9100

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

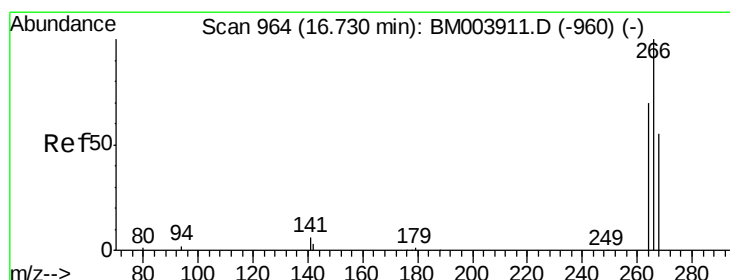
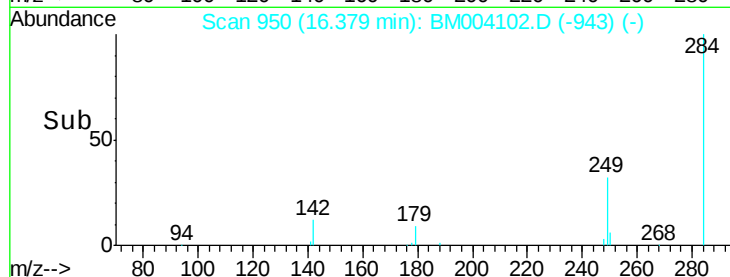
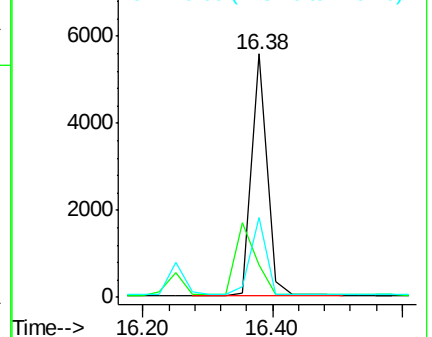
249 33.5 21.5 32.3#



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



#22

Pentachlorophenol

Concen: 1.40 ng

RT: 16.74 min Scan# 964

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

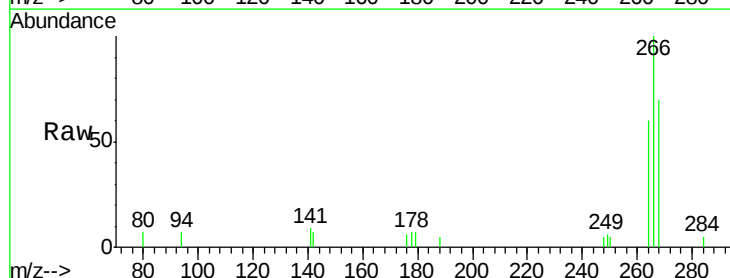
Tgt Ion:266 Resp: 1946

Ion Ratio Lower Upper

266 100

268 70.2 62.7 94.1

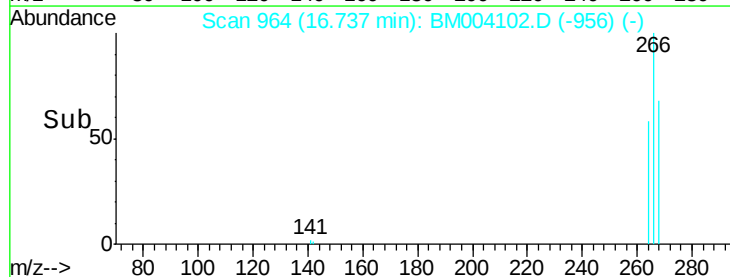
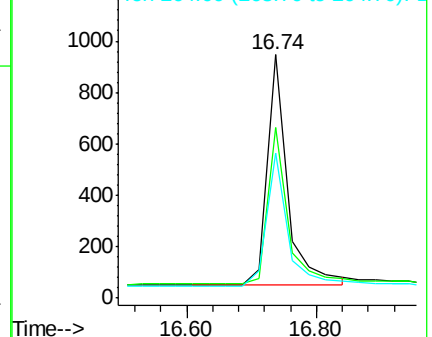
264 59.8 45.7 68.5

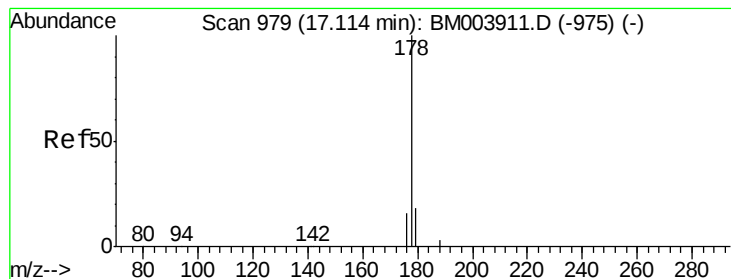


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 1.72 ng

RT: 17.09 min Scan# 978

Delta R.T. -0.02 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

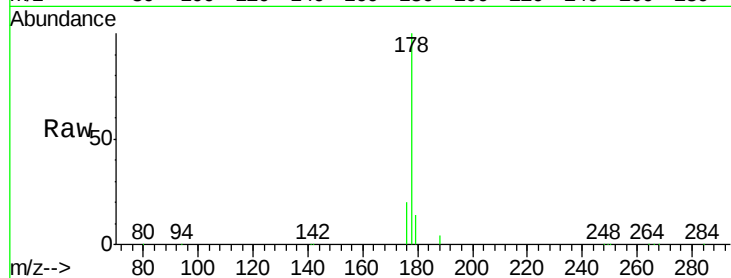
Tgt Ion:178 Resp: 56675

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

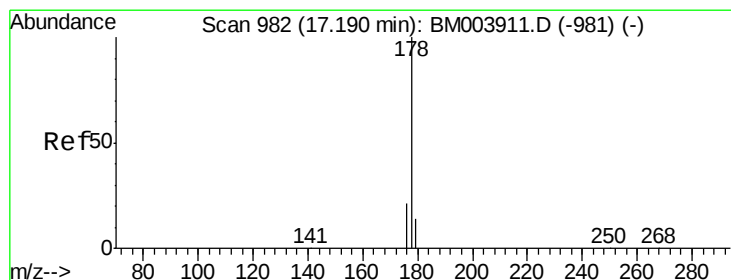
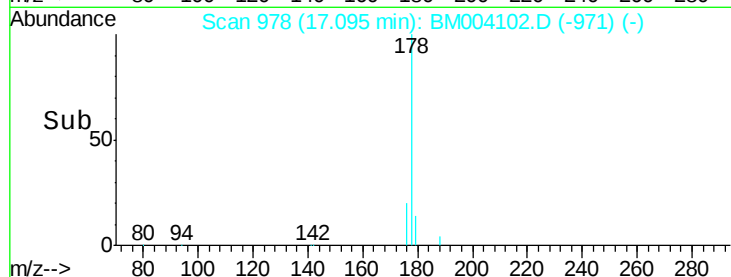
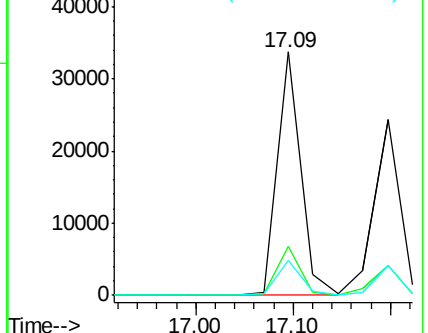
179 15.0 12.2 18.4



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

Anthracene

Concen: 1.27 ng

RT: 17.20 min Scan# 982

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

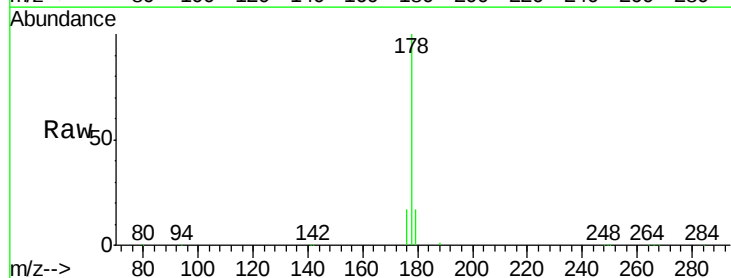
Tgt Ion:178 Resp: 44763

Ion Ratio Lower Upper

178 100

176 17.7 14.6 21.8

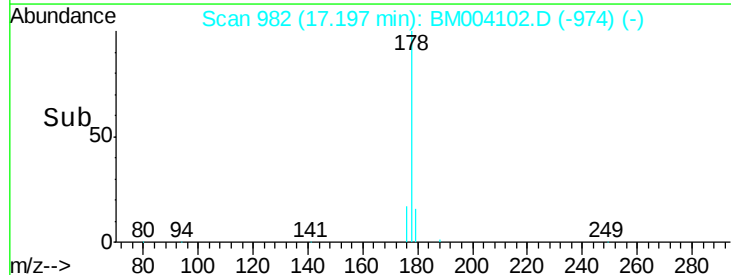
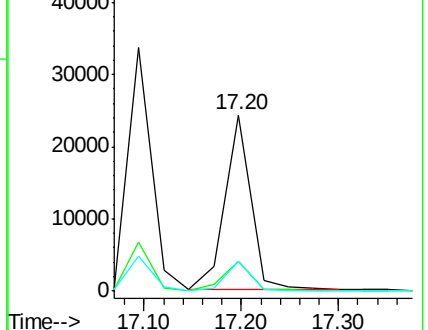
179 15.7 12.6 19.0

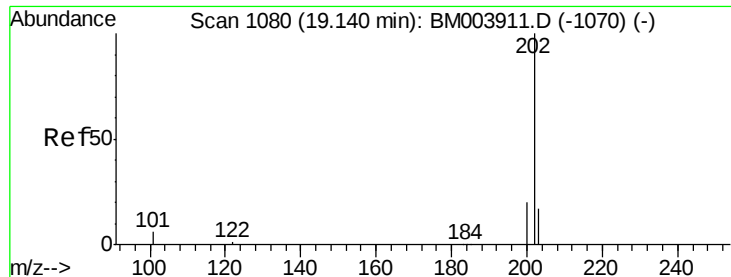


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 1.47 ng

RT: 19.13 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

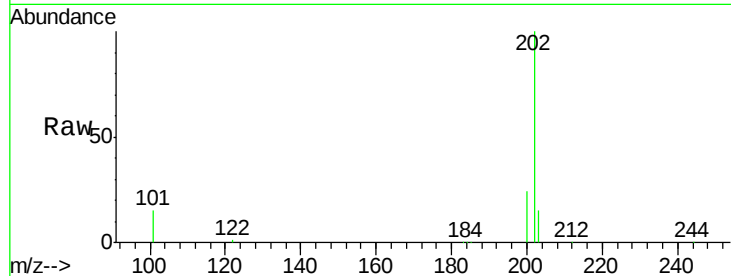
Tgt Ion:202 Resp: 57152

Ion Ratio Lower Upper

202 100

101 12.0 9.7 14.5

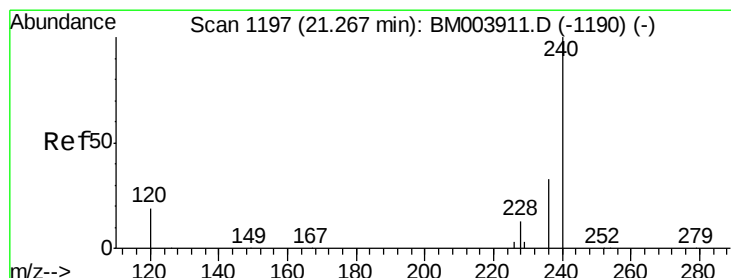
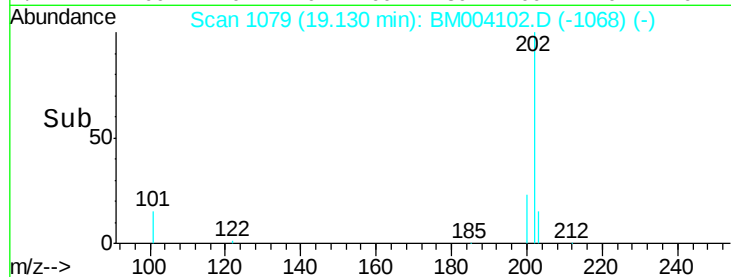
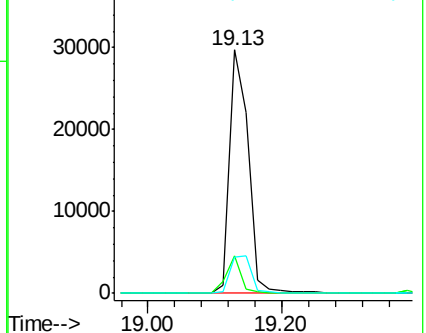
203 17.3 13.8 20.8



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

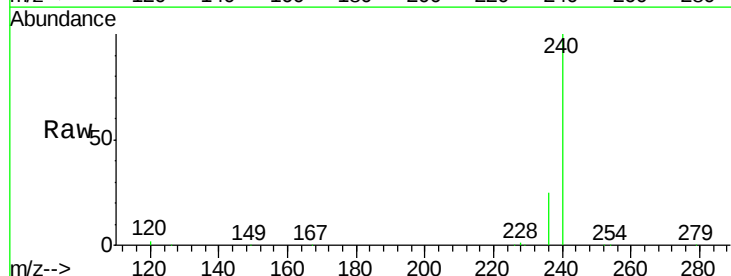
Tgt Ion:240 Resp: 235509

Ion Ratio Lower Upper

240 100

120 2.1 0.9 1.3#

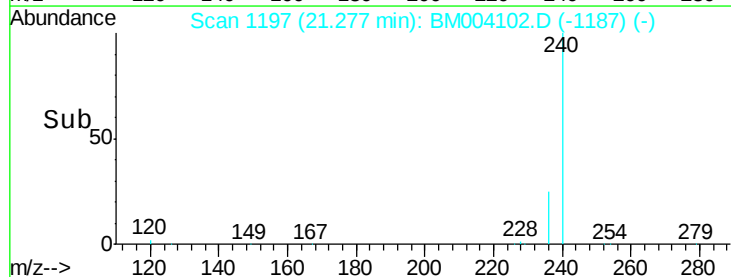
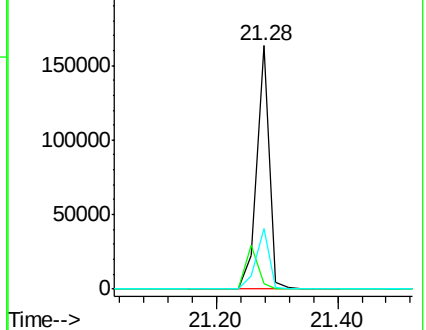
236 24.8 17.3 25.9

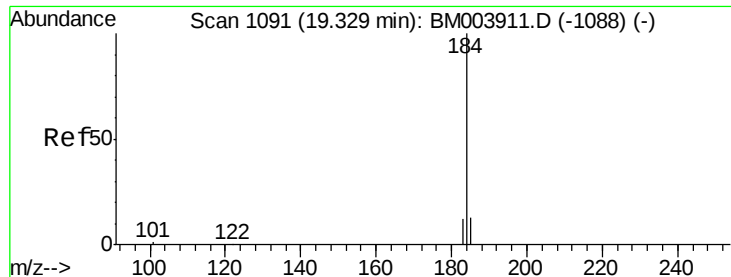


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.65 ng

RT: 19.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

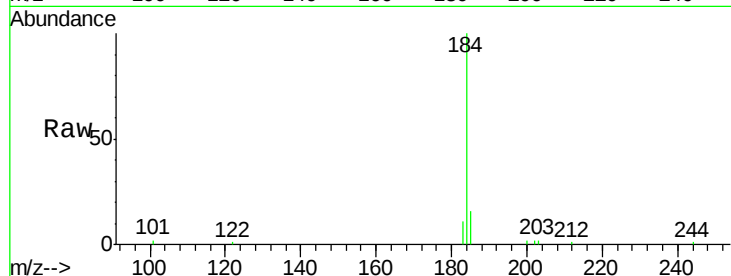
Tgt Ion:184 Resp: 10319

Ion Ratio Lower Upper

184 100

185 16.1 13.2 19.8

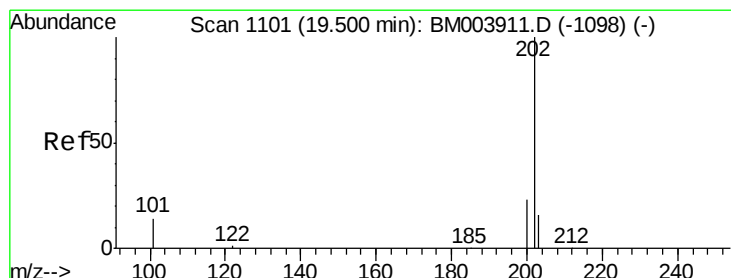
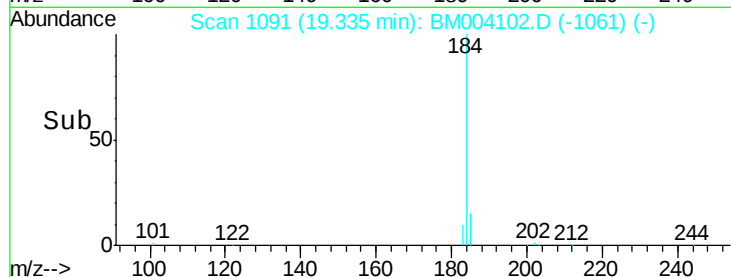
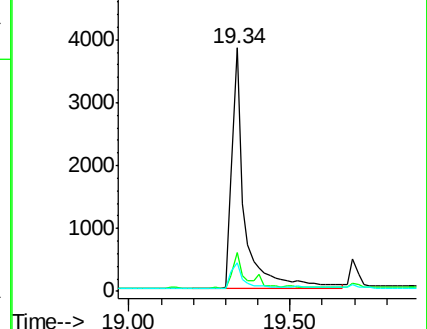
183 11.5 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.73 ng

RT: 19.51 min Scan# 1101

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

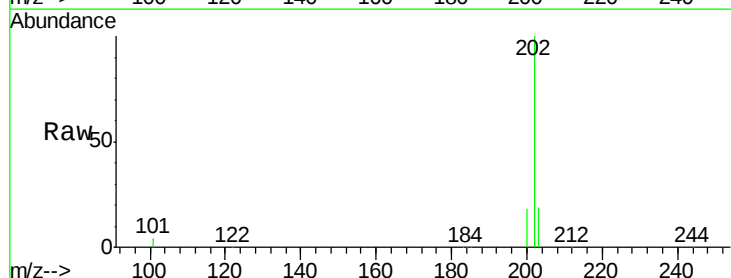
Tgt Ion:202 Resp: 62102

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

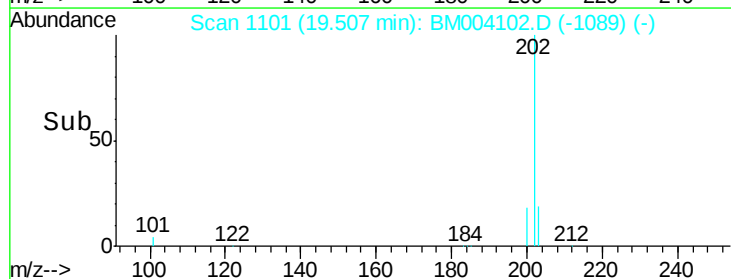
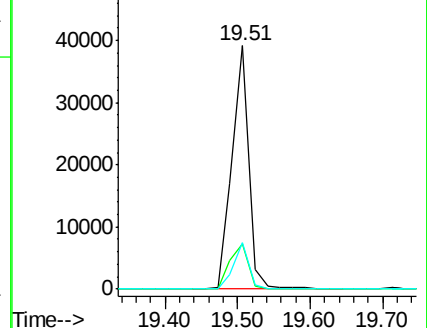
203 17.6 14.0 21.0

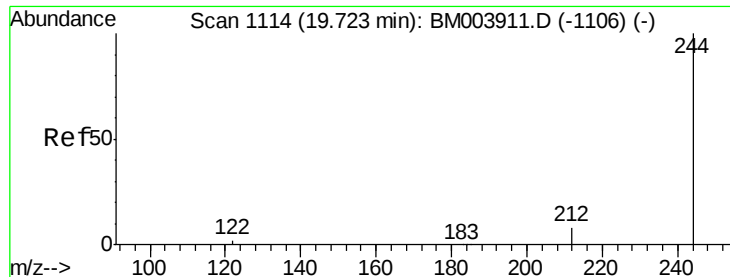


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.78 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

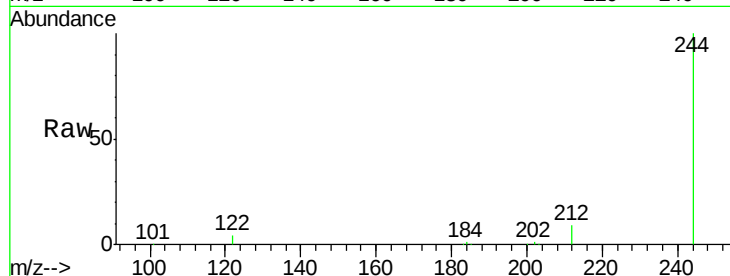
Tgt Ion:244 Resp: 29635

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

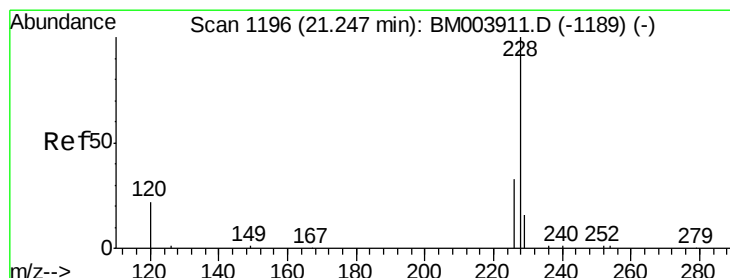
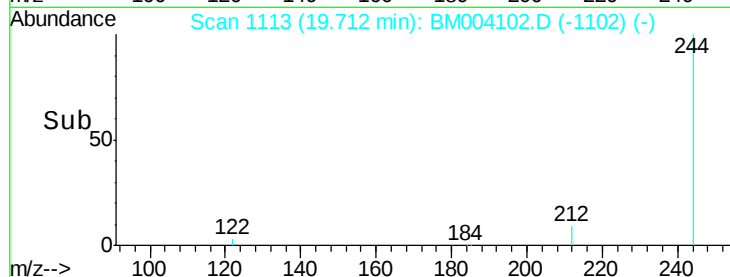
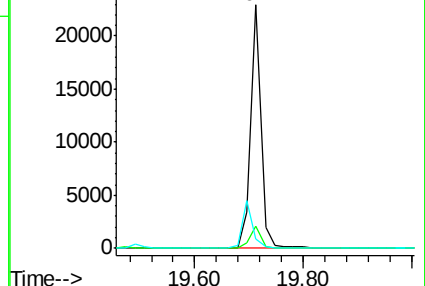
122 3.6 3.0 4.6



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



#30

Benzo(a)anthracene

Concen: 1.89 ng

RT: 21.26 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

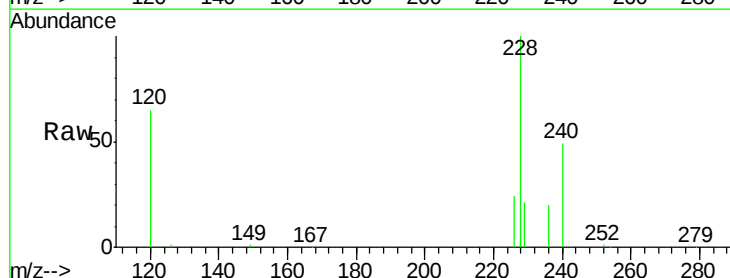
Tgt Ion:228 Resp: 126700

Ion Ratio Lower Upper

228 100

226 24.3 17.2 25.8

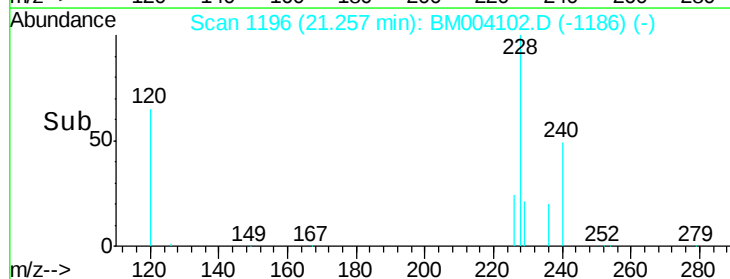
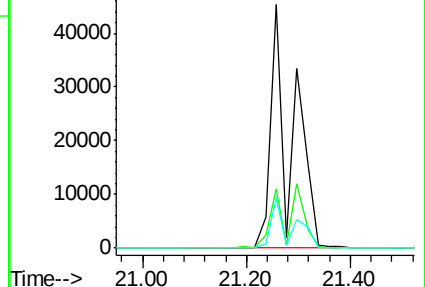
229 20.9 18.7 28.1

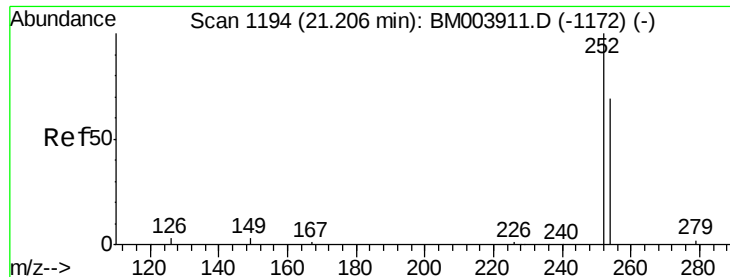


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

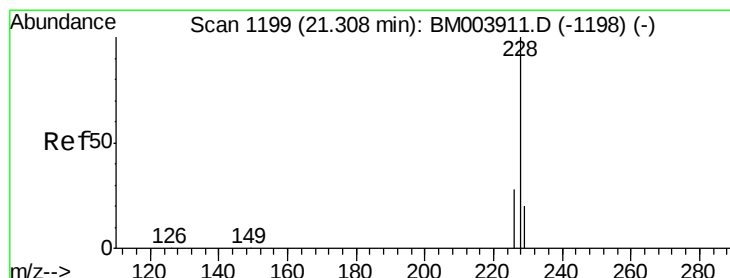
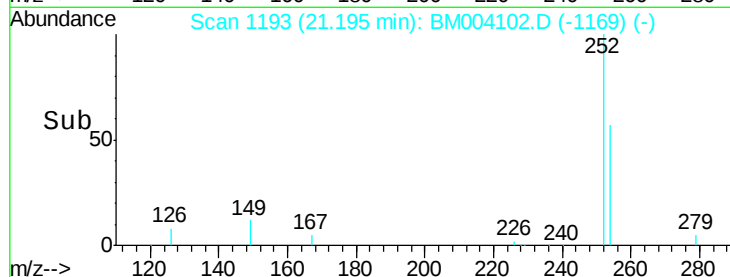
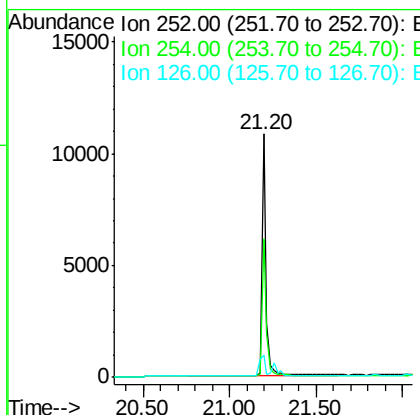
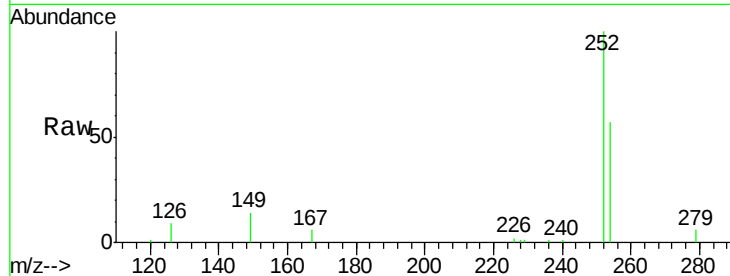




#31  
 3,3'-Dichlorobenzidine  
 Concen: 1.08 ng  
 RT: 21.20 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BM004102.D  
 Acq: 21 Jan 2016 16:53

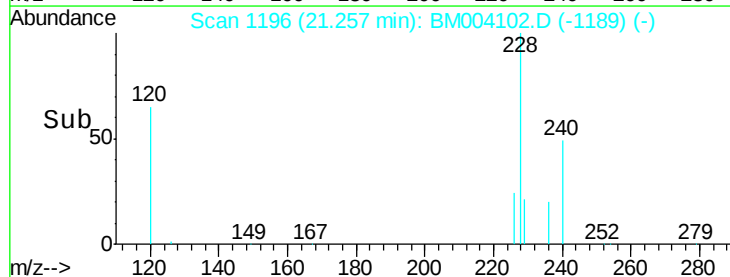
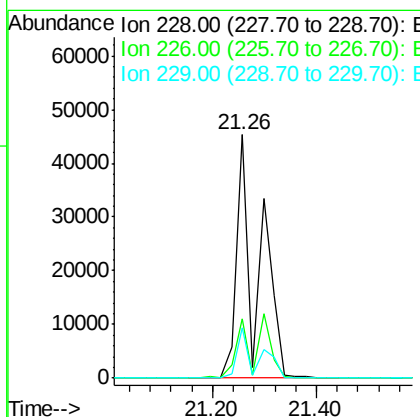
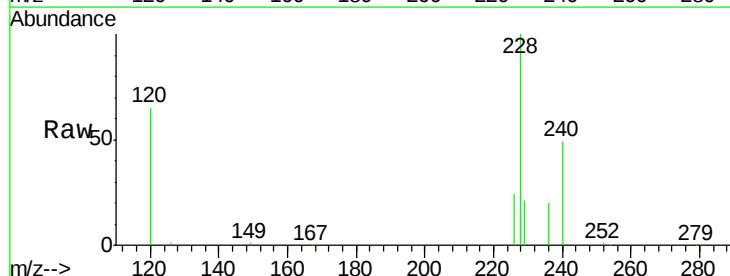
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP

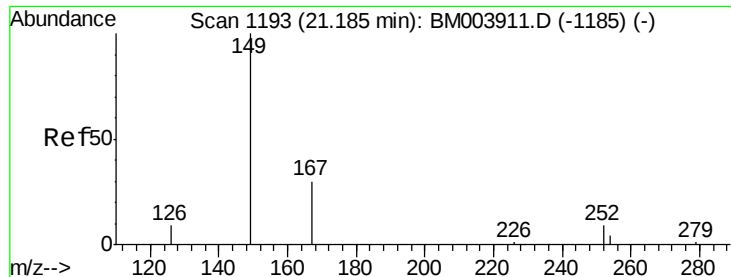
Tgt Ion: 252 Resp: 18590  
 Ion Ratio Lower Upper  
 252 100  
 254 56.7 52.6 79.0  
 126 8.9 3.7 5.5#



#32  
 Chrysene  
 Concen: 1.83 ng  
 RT: 21.26 min Scan# 1196  
 Delta R.T. -0.05 min  
 Lab File: BM004102.D  
 Acq: 21 Jan 2016 16:53

Tgt Ion: 228 Resp: 127081  
 Ion Ratio Lower Upper  
 228 100  
 226 24.3 25.3 37.9#  
 229 20.9 14.5 21.7





#33

Bis(2-ethylhexyl)phthalate

Concen: 1.13 ng

RT: 21.17 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

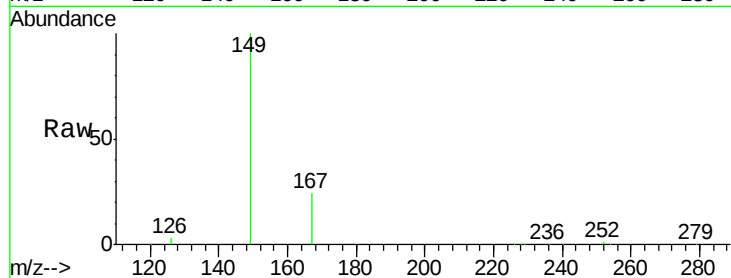
Tgt Ion:149 Resp: 33750

Ion Ratio Lower Upper

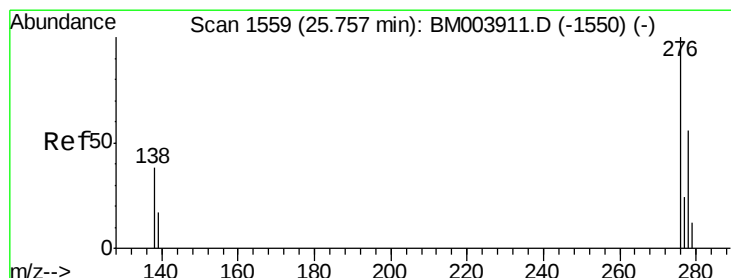
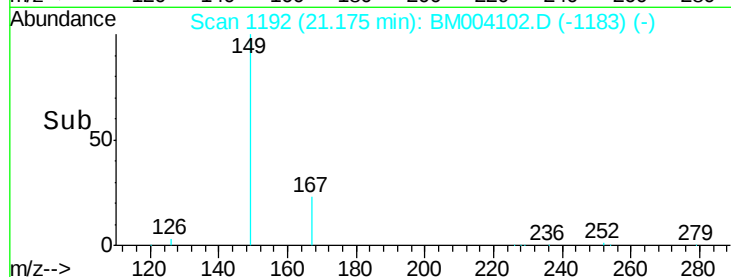
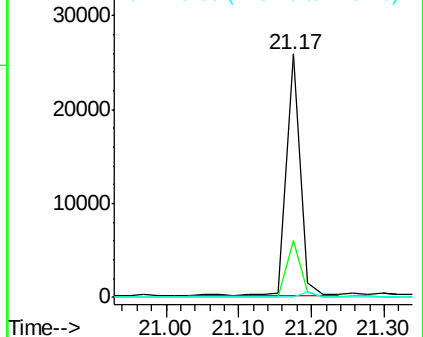
149 100

167 24.2 20.1 30.1

279 0.0 0.0 0.0



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 1.37 ng

RT: 25.76 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

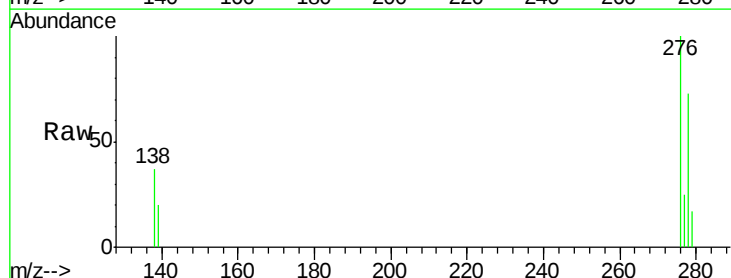
Tgt Ion:276 Resp: 68379

Ion Ratio Lower Upper

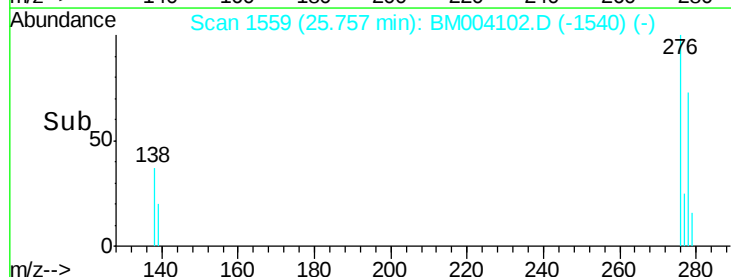
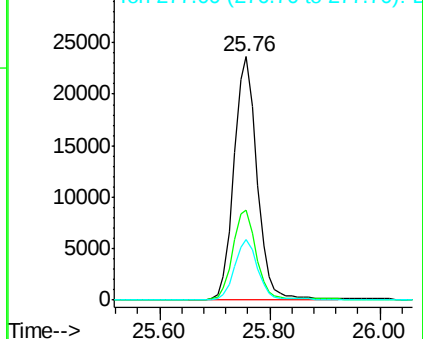
276 100

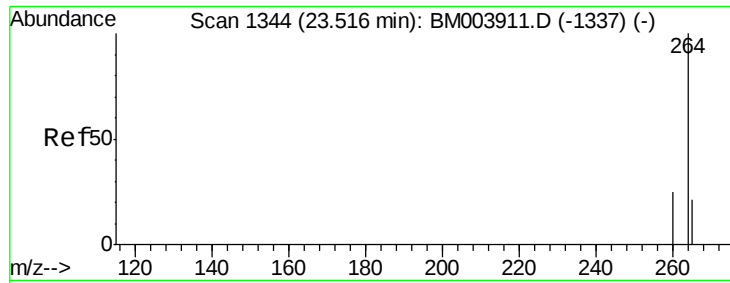
138 37.4 30.2 45.2

277 24.7 19.8 29.8



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

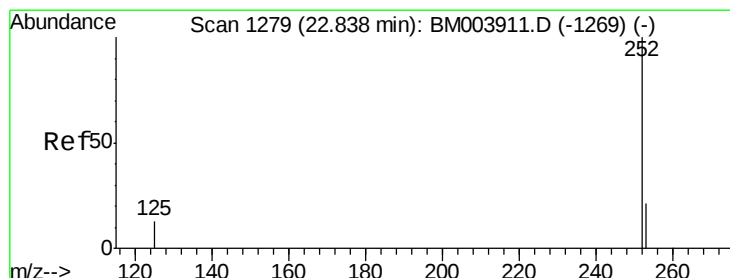
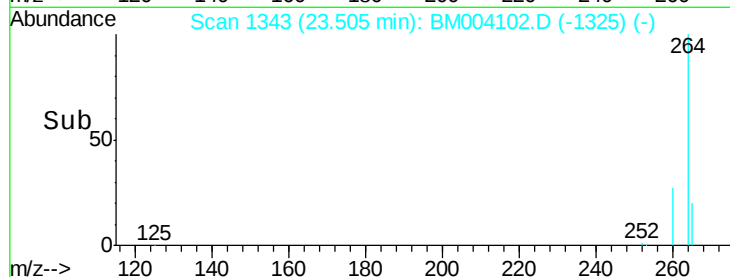
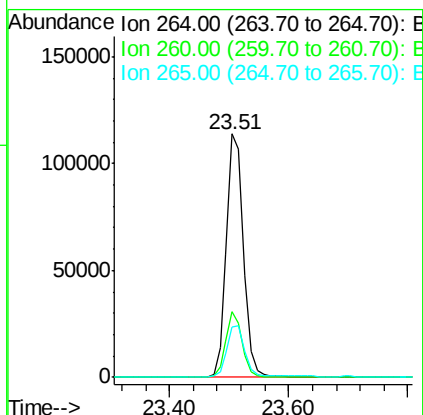
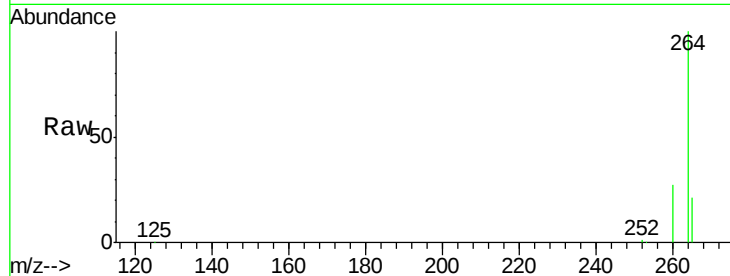




#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.51 min Scan# 1343  
 Delta R.T. -0.01 min  
 Lab File: BM004102.D  
 Acq: 21 Jan 2016 16:53

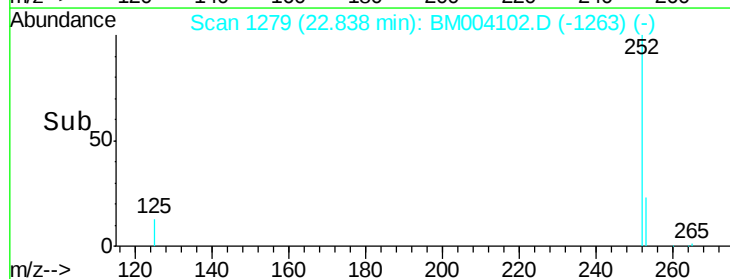
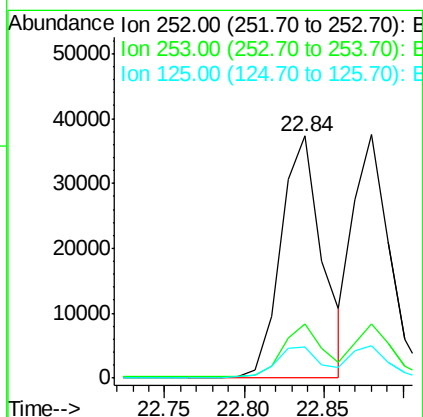
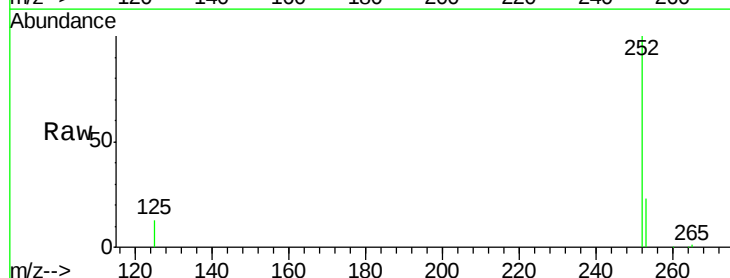
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP

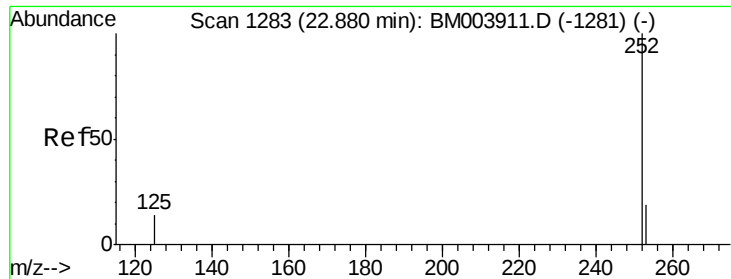
Tgt Ion: 264 Resp: 225999  
 Ion Ratio Lower Upper  
 264 100  
 260 26.8 21.2 31.8  
 265 20.6 16.7 25.1



#36  
 Benzo(b)fluoranthene  
 Concen: 0.97 ng  
 RT: 22.84 min Scan# 1279  
 Delta R.T. 0.00 min  
 Lab File: BM004102.D  
 Acq: 21 Jan 2016 16:53

Tgt Ion: 252 Resp: 66710  
 Ion Ratio Lower Upper  
 252 100  
 253 22.6 18.8 28.2  
 125 12.8 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 0.88 ng

RT: 22.88 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

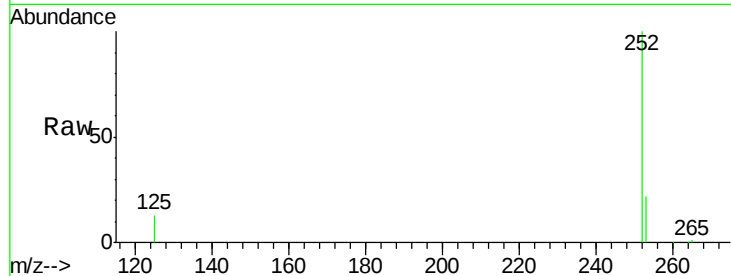
Tgt Ion:252 Resp: 59166

Ion Ratio Lower Upper

252 100

253 22.2 18.3 27.5

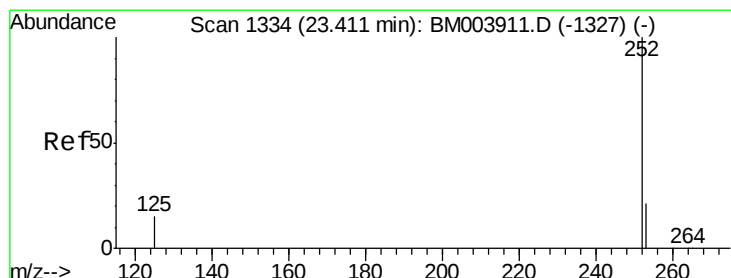
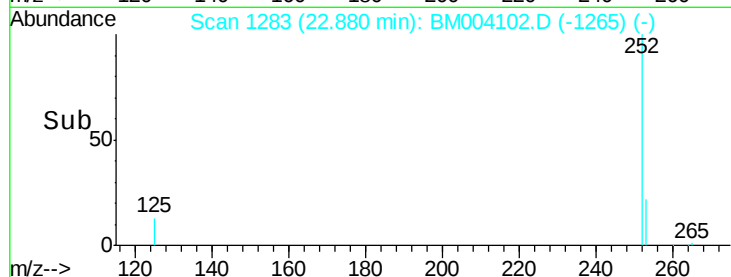
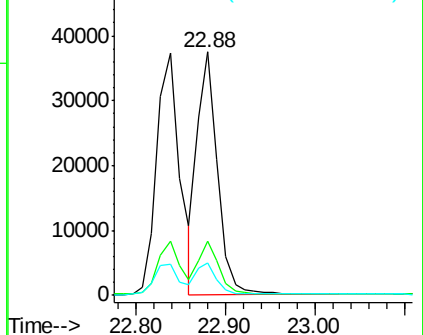
125 13.2 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 0.99 ng

RT: 23.41 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

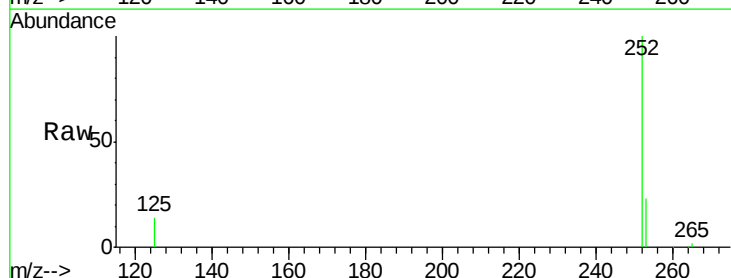
Tgt Ion:252 Resp: 58435

Ion Ratio Lower Upper

252 100

253 23.0 18.7 28.1

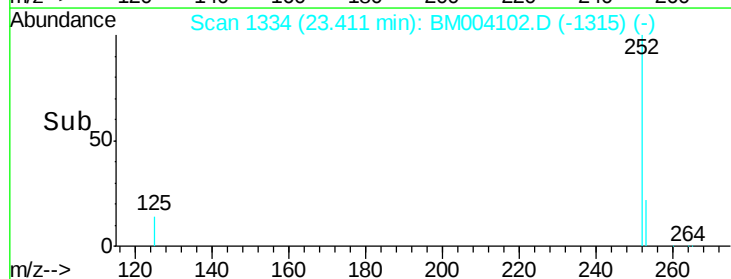
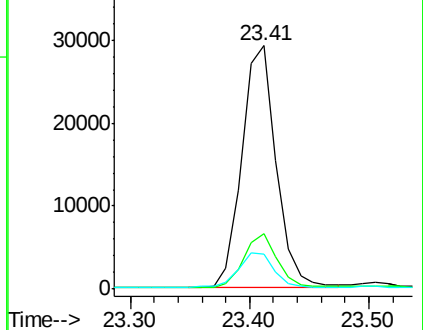
125 14.3 11.8 17.8

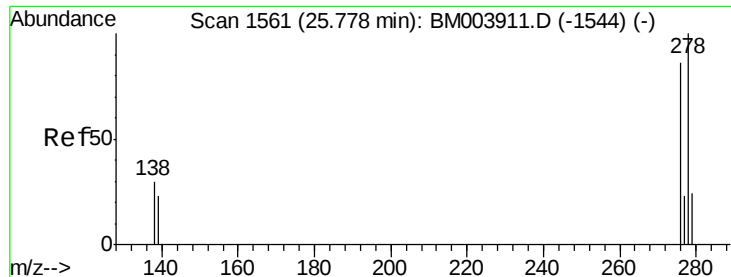


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 1.07 ng

RT: 25.77 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

Instrument :

BNA\_M

ClientSampleId :

DFTPP

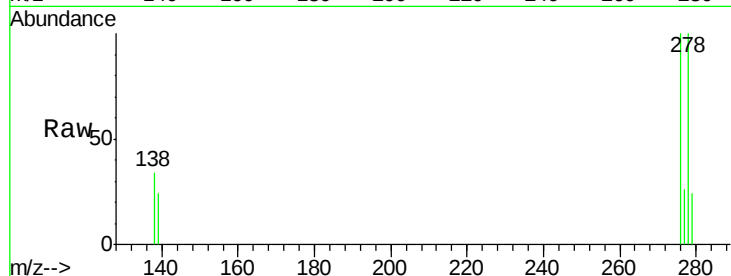
Tgt Ion:278 Resp: 53884

Ion Ratio Lower Upper

278 100

139 23.6 19.0 28.6

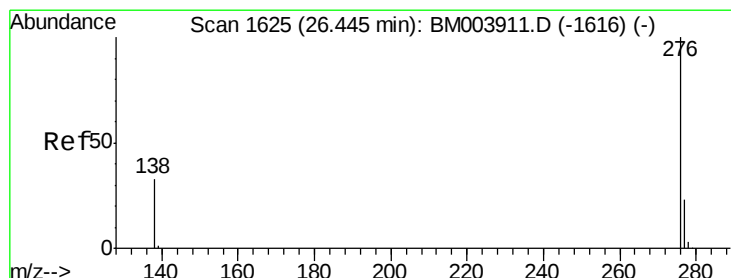
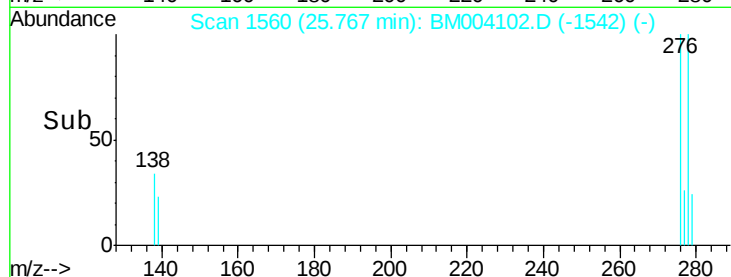
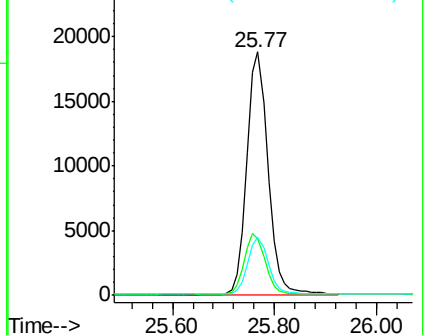
279 24.0 19.6 29.4



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



#40

Benzo(g,h,i)perylene

Concen: 1.07 ng

RT: 26.44 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BM004102.D

Acq: 21 Jan 2016 16:53

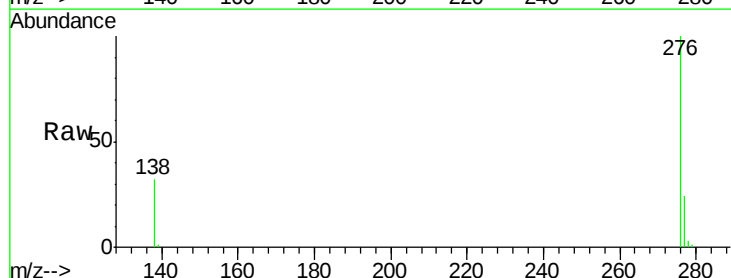
Tgt Ion:276 Resp: 56682

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 31.8 25.0 37.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

