

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\  
 Data File : BM001175.D  
 Acq On : 02 May 2015 20:00  
 Operator : TP/IZ  
 Sample : G2058-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-28

Quant Time: May 04 17:46:02 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 04 16:48:07 2015  
 Response via : Initial Calibration

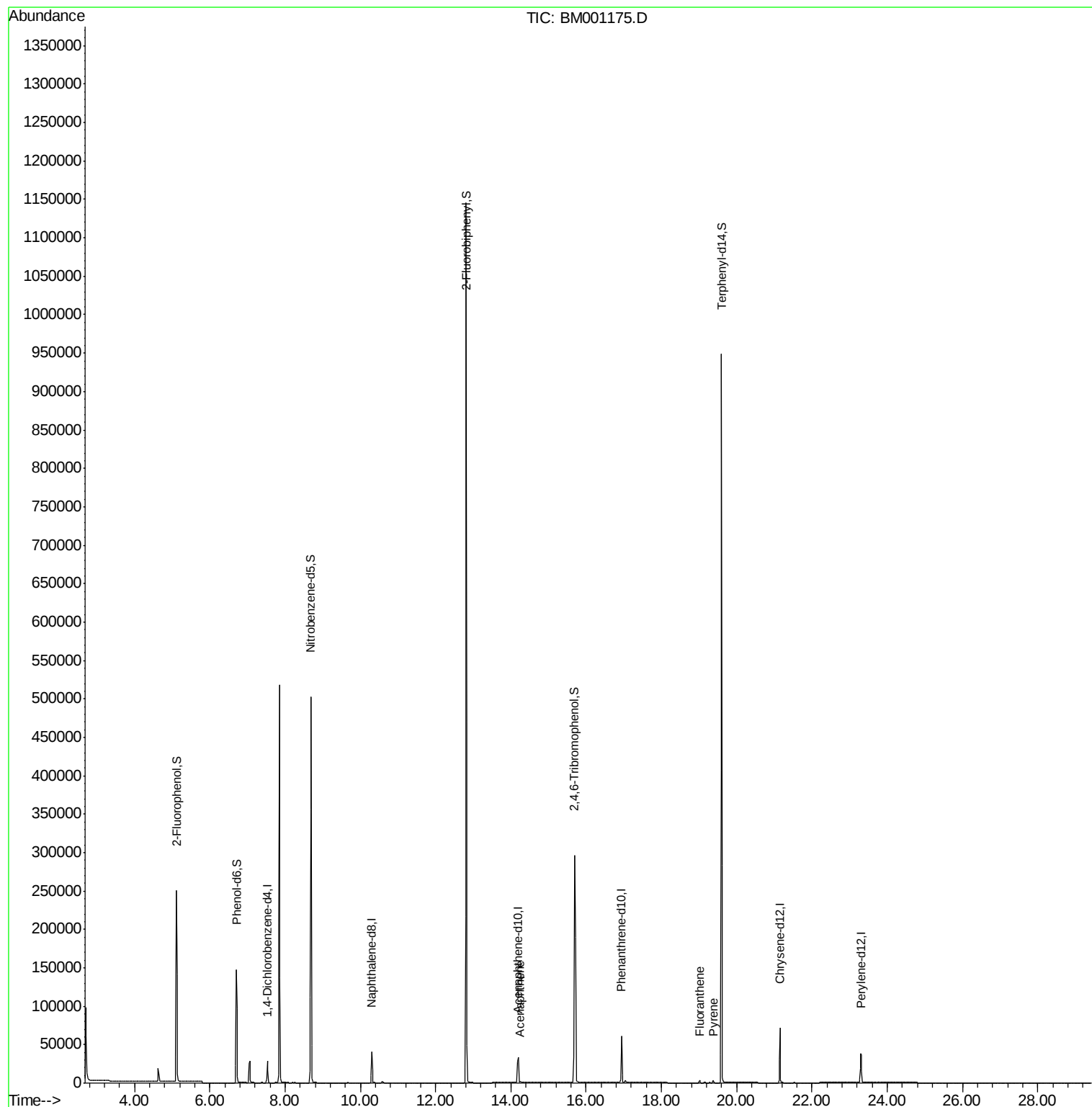
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.53  | 152  | 14582    | 5.00   | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.31 | 136  | 54447    | 5.00   | ng    | 0.00     |
| 12) Acenaphthene-d10        | 14.20 | 164  | 29962    | 5.00   | ng    | 0.00     |
| 18) Phenanthrene-d10        | 16.94 | 188  | 75267    | 5.00   | ng    | 0.00     |
| 24) Chrysene-d12            | 21.15 | 240  | 64062    | 5.00   | ng    | 0.00     |
| 30) Perylene-d12            | 23.29 | 264  | 50182    | 5.00   | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 4) 2-Fluorophenol           | 5.11  | 112  | 195951   | 69.09  | ng    | -0.01    |
| 5) Phenol-d6                | 6.71  | 99   | 161187   | 46.13  | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.69  | 82   | 397861   | 129.00 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330  | 264462   | 177.28 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.81 | 172  | 1085329  | 109.53 | ng    | 0.00     |
| 26) Terphenyl-d14           | 19.59 | 244  | 928023   | 105.07 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 16) Acenaphthene            | 14.24 | 154  | 1055     | 0.12   | ng    | 91       |
| 23) Fluoranthene            | 19.01 | 202  | 2532     | 0.13   | ng    | 97       |
| 25) Pyrene                  | 19.38 | 202  | 3111     | 0.16   | ng    | 96       |

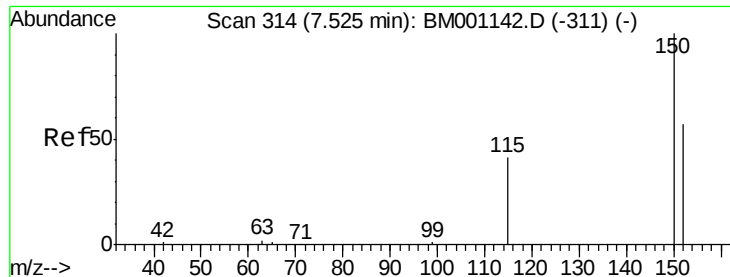
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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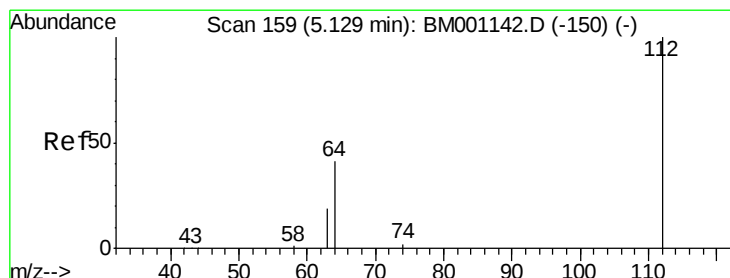
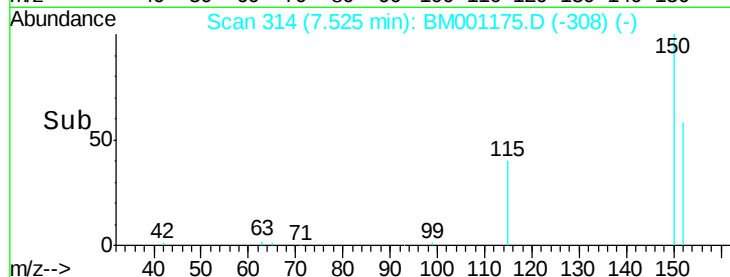
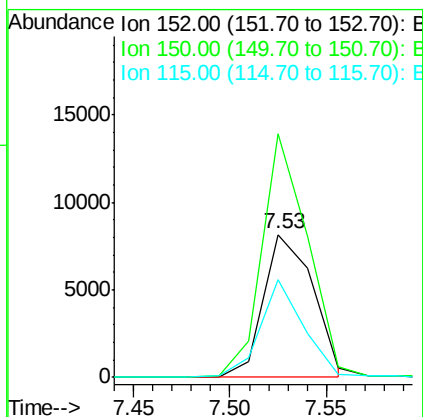
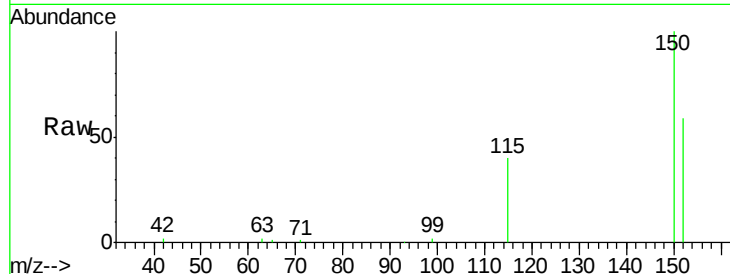


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.53 min Scan# 314  
Delta R.T. 0.00 min  
Lab File: BM001175.D  
Acq: 02 May 2015 20:00

Instrument :  
BNA\_M  
ClientSampleId :  
MW-28

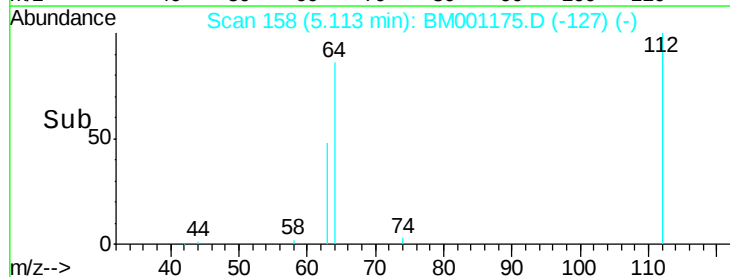
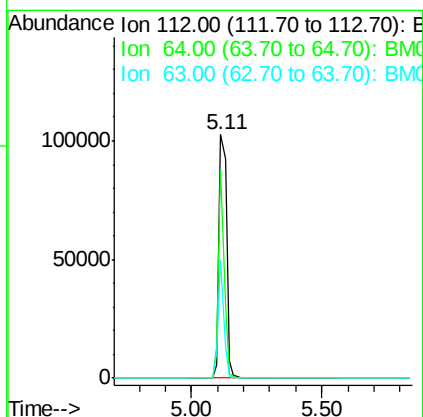
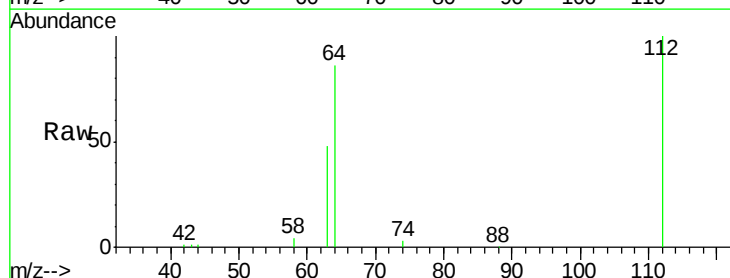
Tot Ion:152 Resp: 14582  
Ion Ratio Lower Upper  
152 100  
150 170.8 140.1 210.1  
115 68.1 57.8 86.6

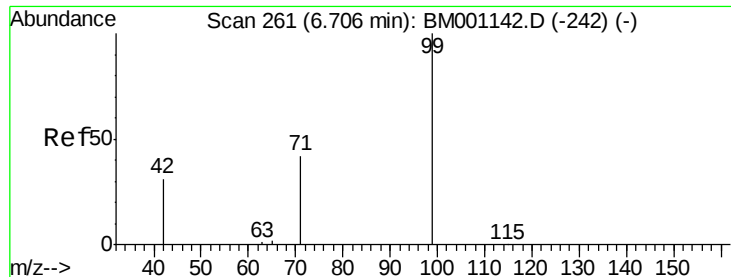


#4

2-Fluorophenol  
Concen: 69.09 ng  
RT: 5.11 min Scan# 158  
Delta R.T. -0.01 min  
Lab File: BM001175.D  
Acq: 02 May 2015 20:00

Tgt Ion:112 Resp: 195951  
Ion Ratio Lower Upper  
112 100  
64 64.5 52.6 79.0  
63 35.6 29.5 44.3





#5

Phenol-d6

Concen: 46.13 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

Instrument :

BNA\_M

ClientSampleId :

MW-28

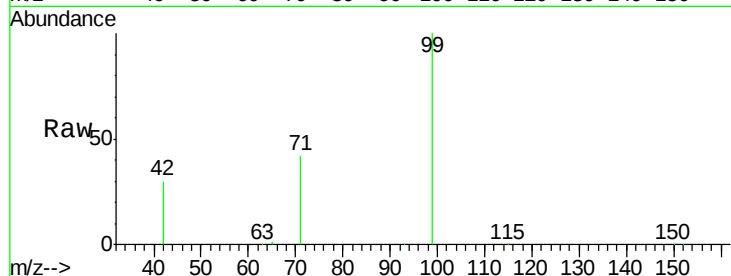
Tot Ion: 99 Resp: 161187

Ion Ratio Lower Upper

99 100

42 24.1 20.9 31.3

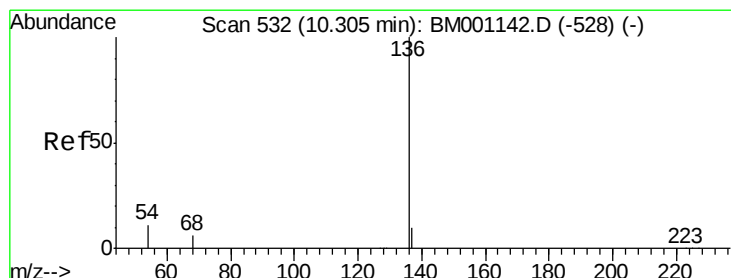
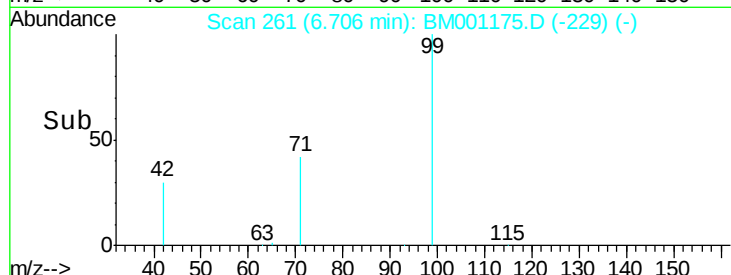
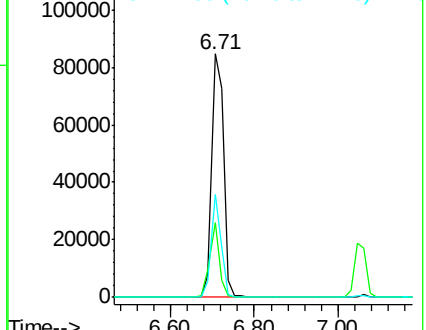
71 35.1 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BM001175.D (-229) (-)

Ion 42.00 (41.70 to 42.70): BM001175.D (-229) (-)

Ion 71.00 (70.70 to 71.70): BM001175.D (-229) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 532

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

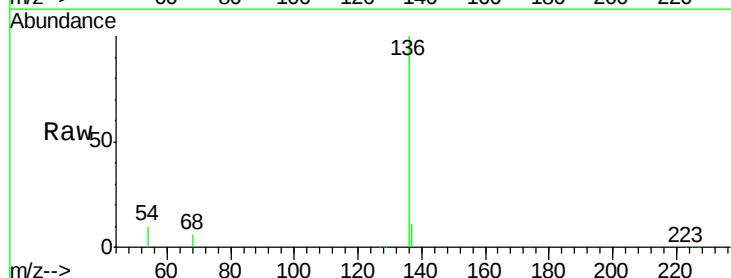
Tgt Ion: 136 Resp: 54447

Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

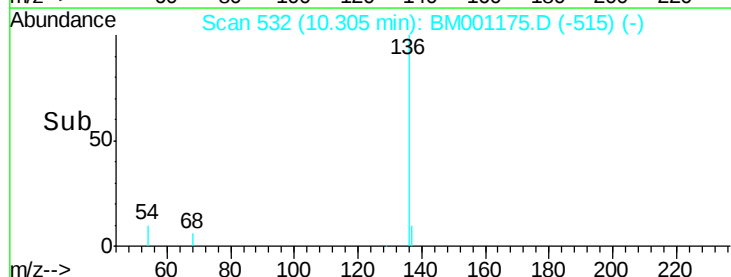
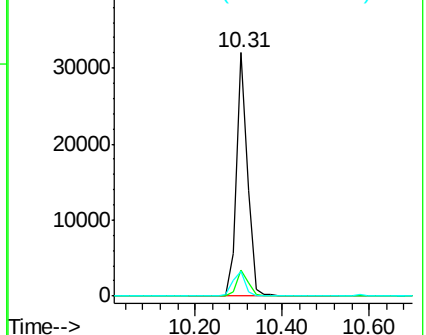
54 10.1 9.0 13.4

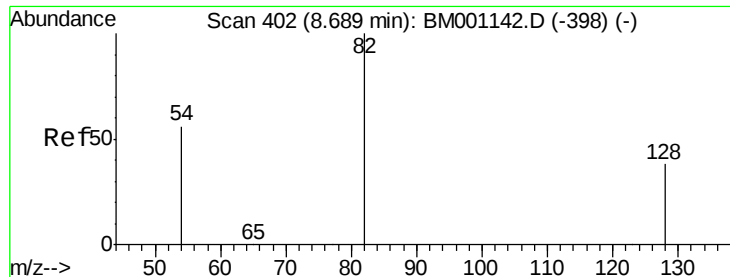


Abundance Ion 136.00 (135.70 to 136.70): BM001175.D (-515) (-)

Ion 137.00 (136.70 to 137.70): BM001175.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BM001175.D (-515) (-)





#7

Nitrobenzene-d5

Concen: 129.00 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

Instrument :

BNA\_M

ClientSampleId :

MW-28

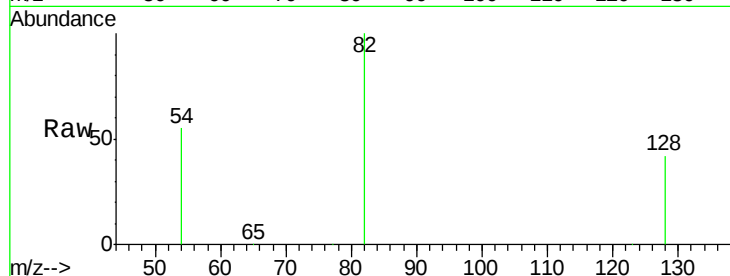
Tot Ion: 82 Resp: 397861

Ion Ratio Lower Upper

82 100

128 42.1 31.9 47.9

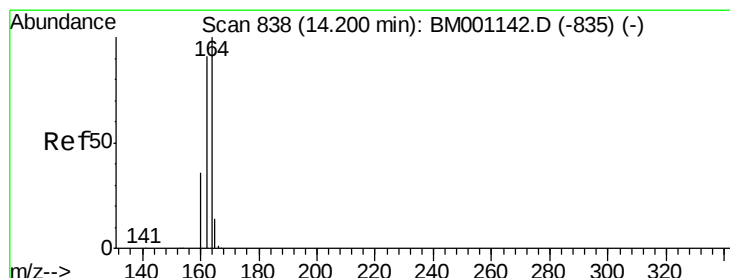
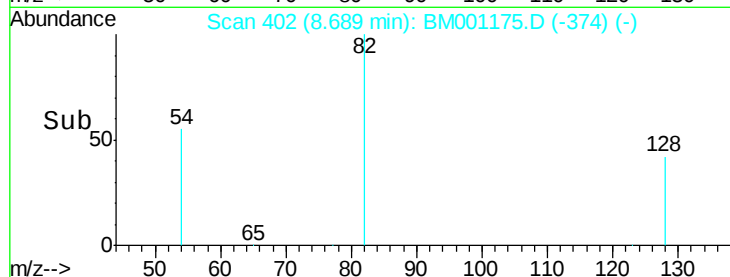
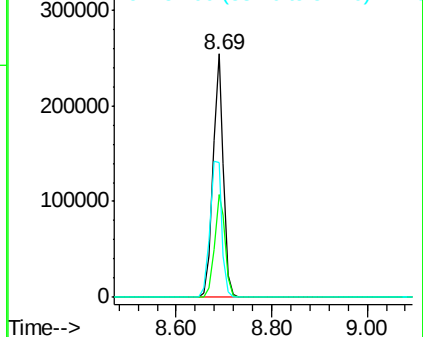
54 55.2 46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): BM001142.D (-398) (-)

Ion 128.00 (127.70 to 128.70): BM001142.D (-398) (-)

Ion 54.00 (53.70 to 54.70): BM001142.D (-398) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 838

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

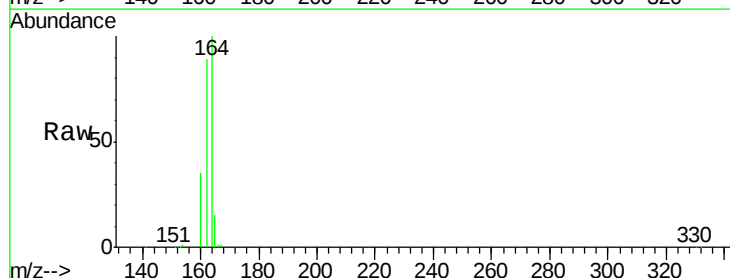
Tgt Ion: 164 Resp: 29962

Ion Ratio Lower Upper

164 100

162 89.0 72.7 109.1

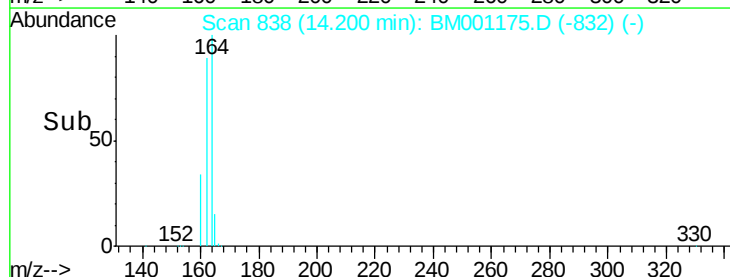
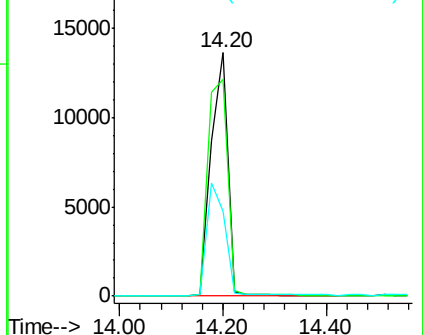
160 34.7 28.7 43.1

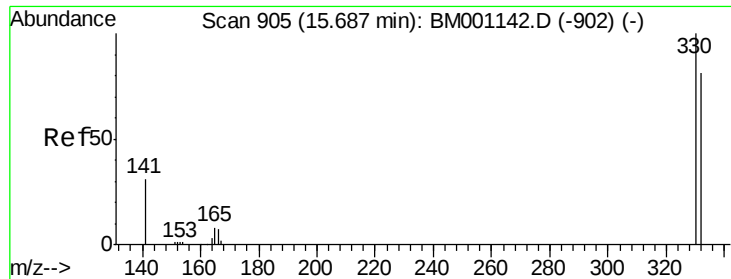


Abundance Ion 164.00 (163.70 to 164.70): BM001142.D (-835) (-)

Ion 162.00 (161.70 to 162.70): BM001142.D (-835) (-)

Ion 160.00 (159.70 to 160.70): BM001142.D (-835) (-)

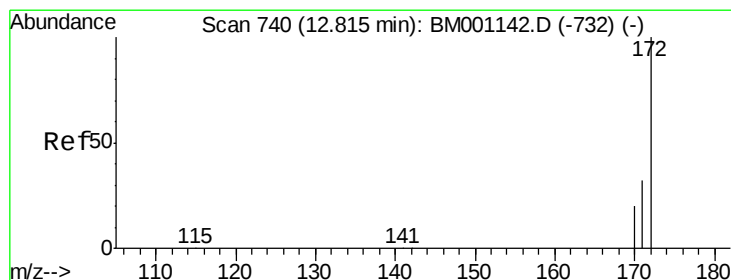
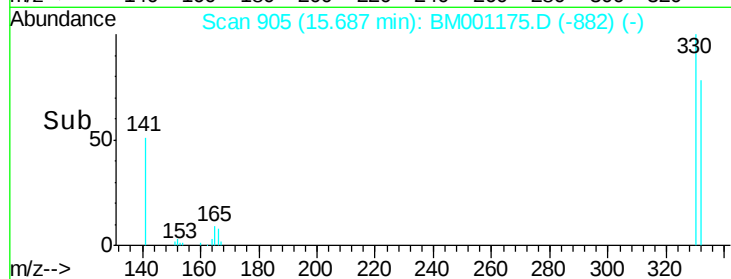
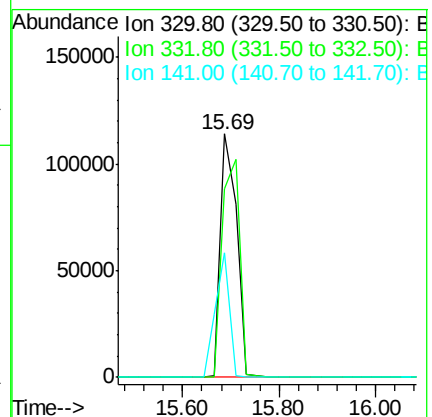
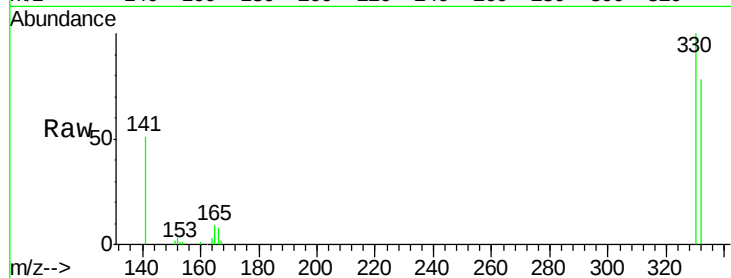




#13  
 2,4,6-Tribromophenol  
 Concen: 177.28 ng  
 RT: 15.69 min Scan# 905  
 Delta R.T. 0.00 min  
 Lab File: BM001175.D  
 Acq: 02 May 2015 20:00

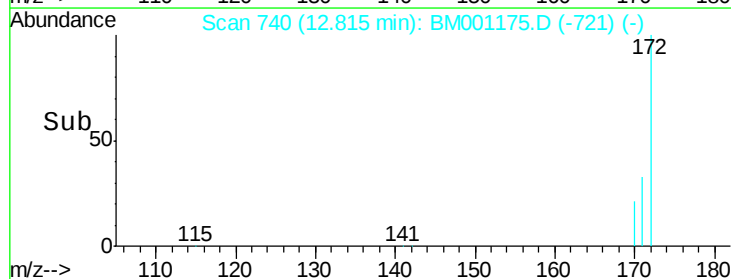
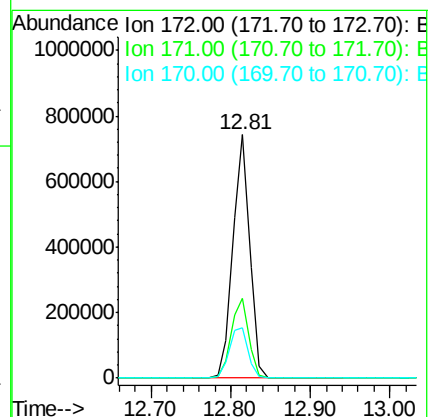
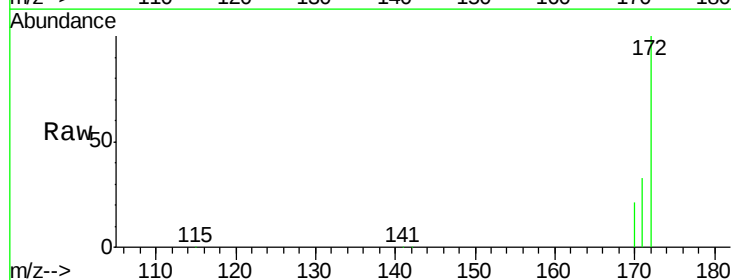
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-28

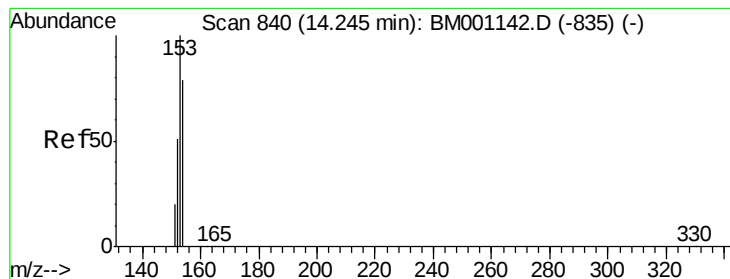
Tot Ion:330 Resp: 264462  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 74.5 111.7#  
 141 45.7 21.0 31.4#



#14  
 2-Fluorobiphenyl  
 Concen: 109.53 ng  
 RT: 12.81 min Scan# 740  
 Delta R.T. 0.00 min  
 Lab File: BM001175.D  
 Acq: 02 May 2015 20:00

Tgt Ion:172 Resp: 1085329  
 Ion Ratio Lower Upper  
 172 100  
 171 33.0 25.8 38.6  
 170 20.8 16.1 24.1





#16

Acenaphthene

Concen: 0.12 ng

RT: 14.24 min Scan# 840

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

Instrument :

BNA\_M

ClientSampleId :

MW-28

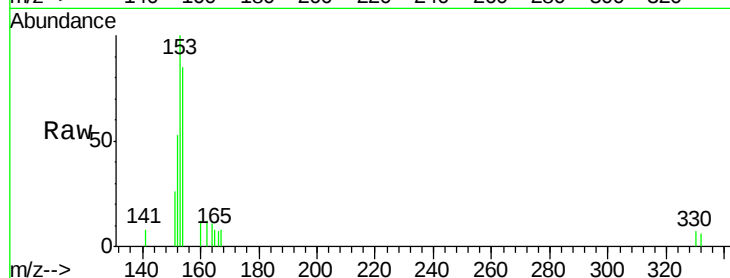
Tot Ion:154 Resp: 1055

Ion Ratio Lower Upper

154 100

153 103.8 90.6 136.0

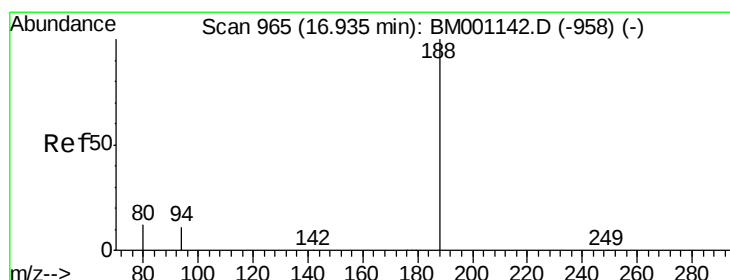
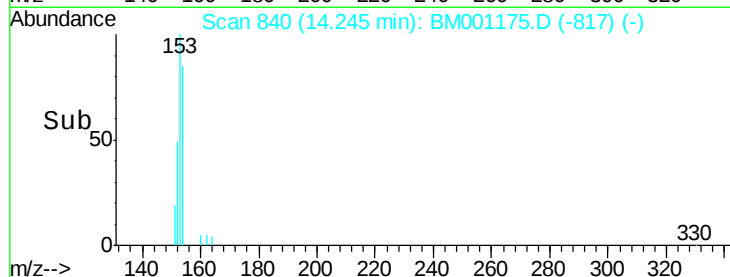
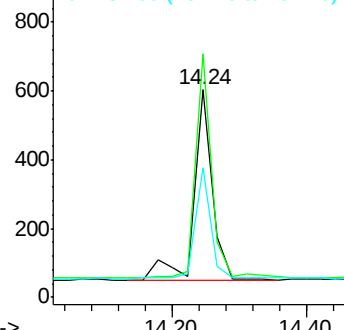
152 50.3 45.0 67.4



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 965

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

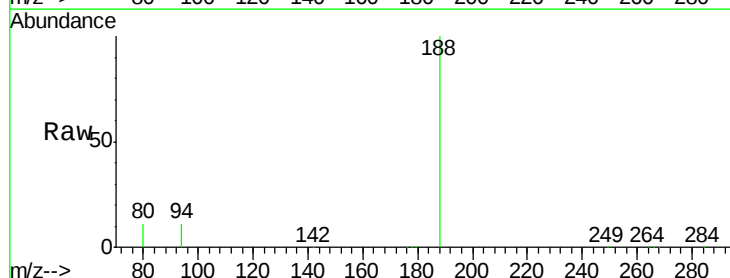
Tgt Ion:188 Resp: 75267

Ion Ratio Lower Upper

188 100

94 10.9 9.3 13.9

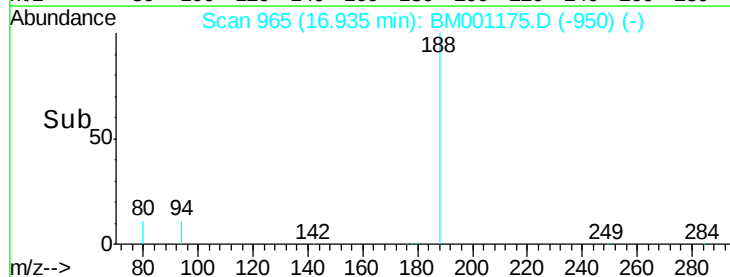
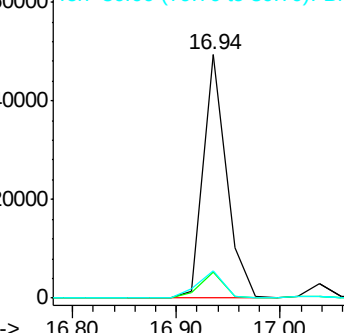
80 11.3 9.8 14.6

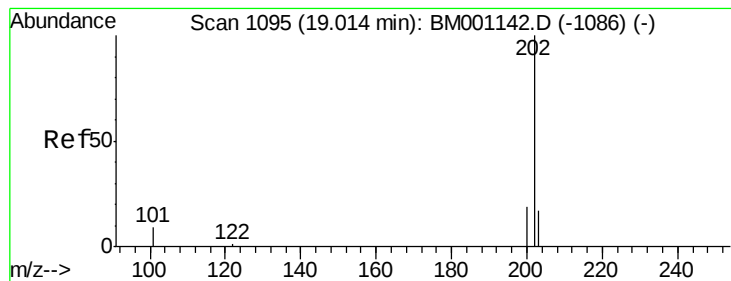


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#23

Fluoranthene

Concen: 0.13 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

Instrument :

BNA\_M

ClientSampleId :

MW-28

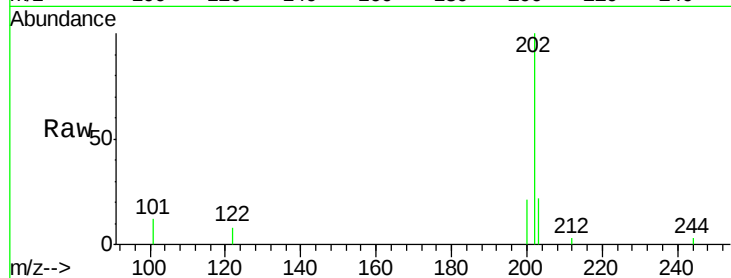
Tot Ion:202 Resp: 2532

Ion Ratio Lower Upper

202 100

101 13.9 9.3 13.9

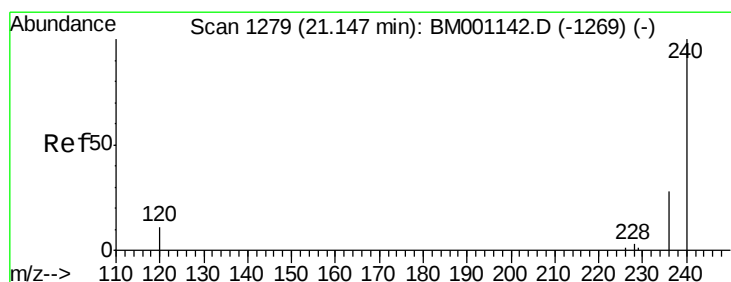
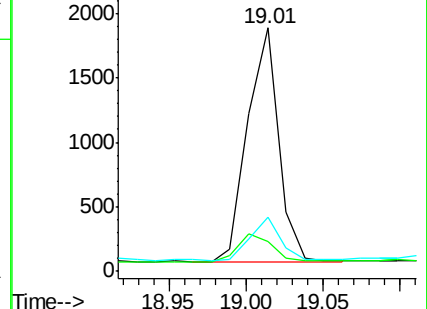
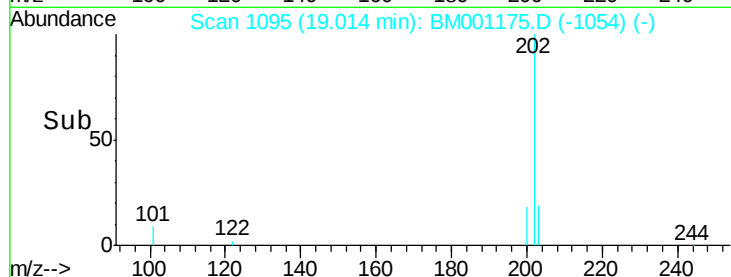
203 17.7 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.15 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

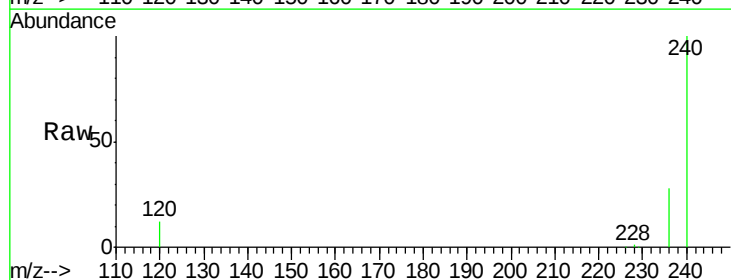
Tgt Ion:240 Resp: 64062

Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

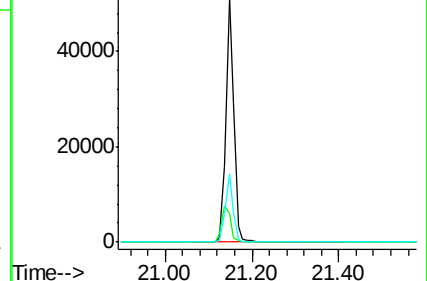
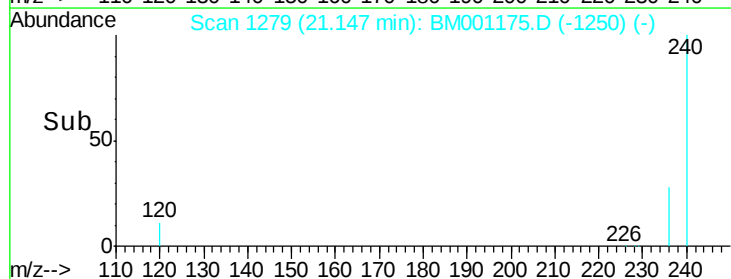
236 28.3 22.4 33.6

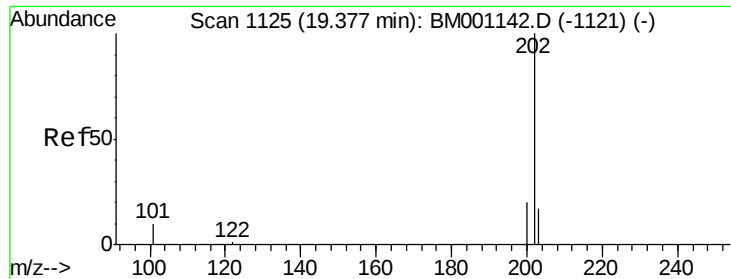


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

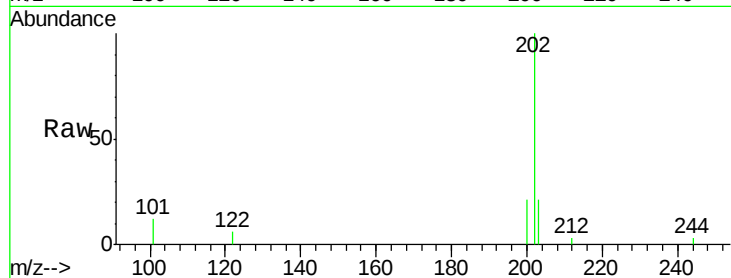




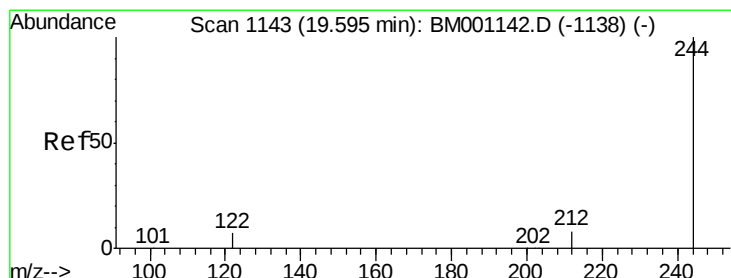
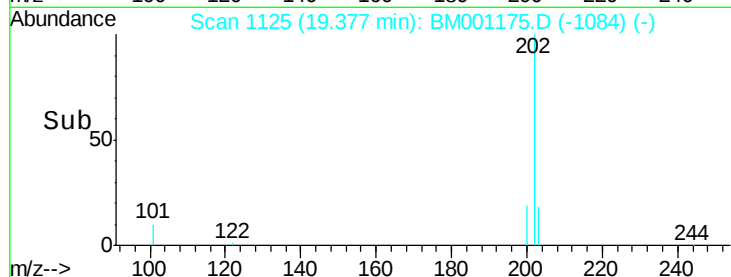
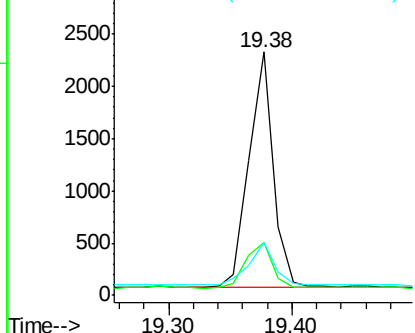
#25  
Pvrene  
Concen: 0.16 ng  
RT: 19.38 min Scan# 1125  
Delta R.T. 0.00 min  
Lab File: BM001175.D  
Acq: 02 May 2015 20:00

Instrument :  
BNA\_M  
ClientSampleId :  
MW-28

Tot Ion:202 Resp: 3111  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.4 24.6  
203 20.5 13.8 20.6

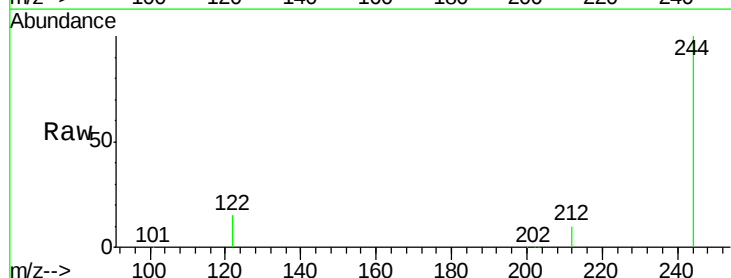


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

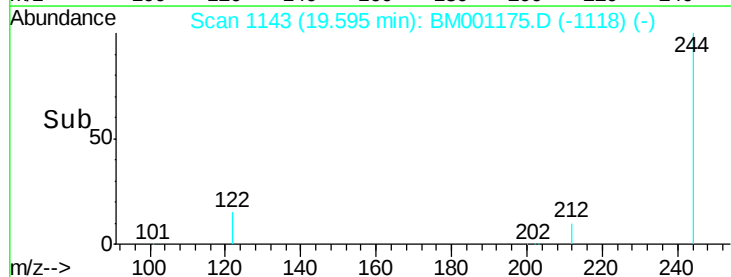
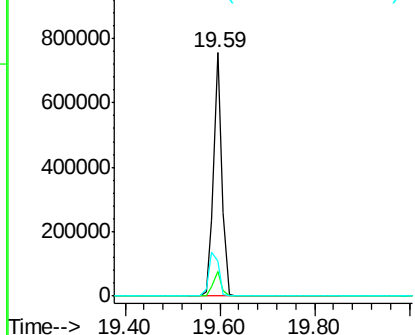


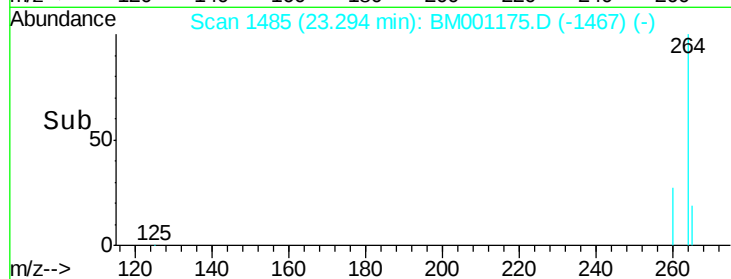
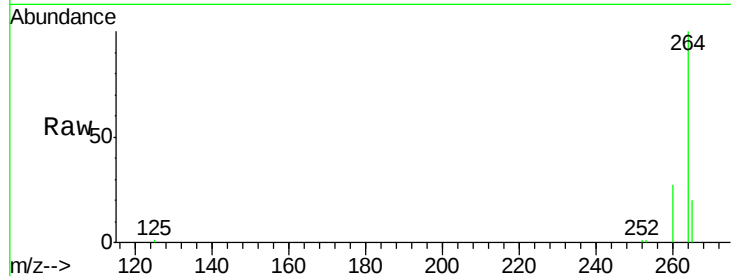
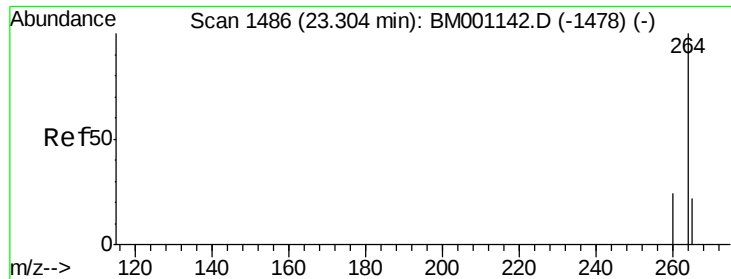
#26  
Terphenyl-d14  
Concen: 105.07 ng  
RT: 19.59 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: BM001175.D  
Acq: 02 May 2015 20:00

Tgt Ion:244 Resp: 928023  
Ion Ratio Lower Upper  
244 100  
212 10.2 7.1 10.7  
122 14.5 6.2 9.4#



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

Pervlene-d12

Concen: 5.00 ng

RT: 23.29 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM001175.D

Acq: 02 May 2015 20:00

Instrument :

BNA\_M

ClientSampleId :

MW-28

Tot Ion: 264 Resp: 50182

Ion Ratio Lower Upper

264 100

260 26.9 18.9 28.3

265 20.5 18.1 27.1

