

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM031816\  
 Data File : BM004694.D  
 Acq On : 18 Mar 2016 23:11  
 Operator : UM/SJ  
 Sample : MDL-05-W  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-W

Quant Time: Mar 21 01:14:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 19 07:50:46 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 26229    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.61 | 136  | 103712   | 5.00 | ng    | -0.02    |
| 10) Acenaphthene-d10      | 14.46 | 164  | 55278    | 5.00 | ng    | 0.00     |
| 16) Phenanthrene-d10      | 17.19 | 188  | 102856   | 5.00 | ng    | -0.03    |
| 22) Chrysene-d12          | 21.39 | 240  | 126394   | 5.00 | ng    | 0.00     |
| 28) Perylene-d12          | 23.69 | 264  | 103886   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.42  | 112 | 40359 | 6.67 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 48582 | 6.55 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.99  | 82  | 17686 | 3.54 | ng | 0.00 |
| 11) 2,4,6-Tribromophenol    | 15.95 | 330 | 11835 | 6.46 | ng | 0.00 |
| 12) 2-Fluorobiphenyl        | 13.09 | 172 | 67124 | 4.24 | ng | 0.00 |
| 24) Terphenyl-d14           | 19.84 | 244 | 62109 | 3.89 | ng | 0.00 |

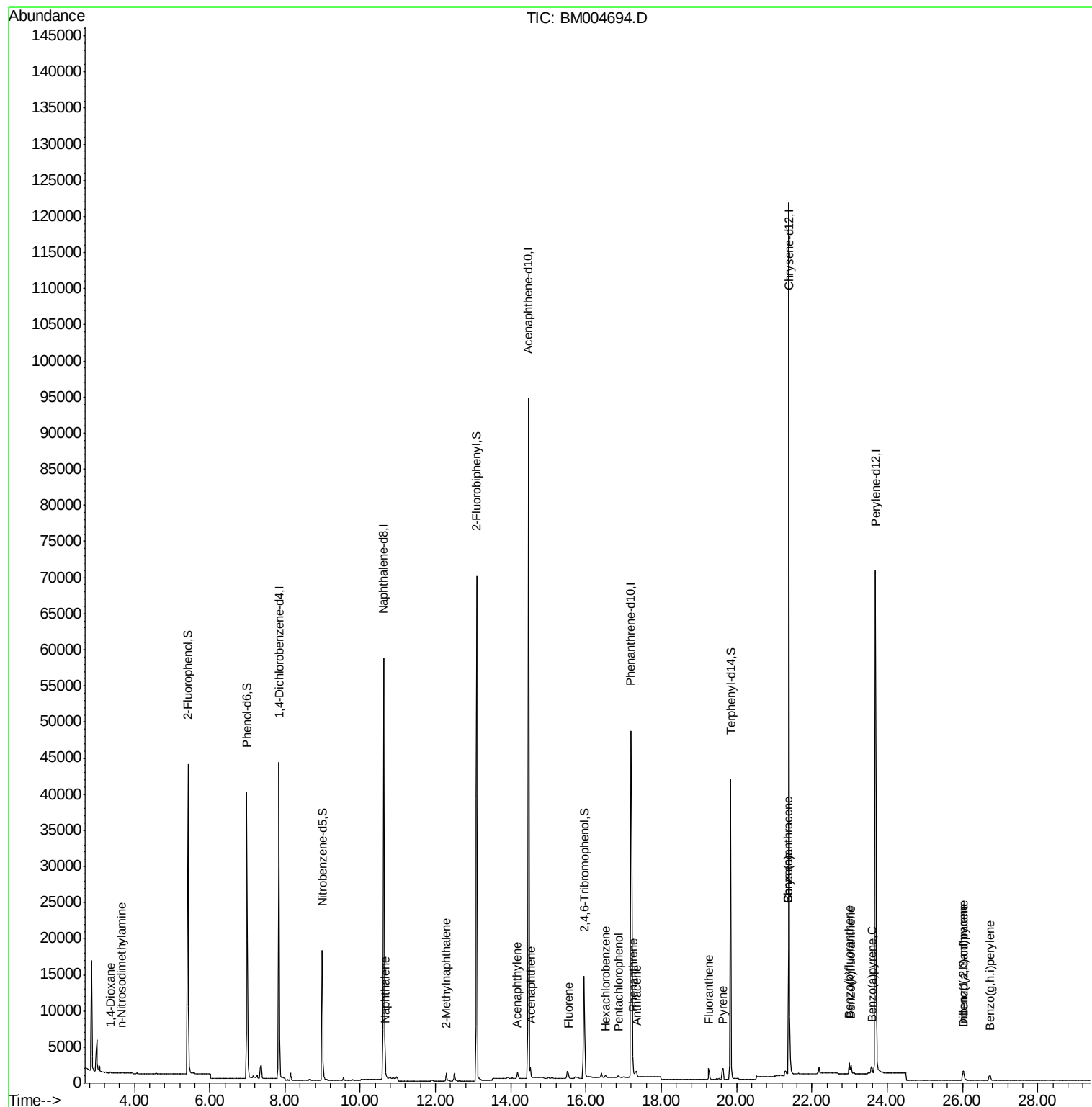
|                            |       |     |      |      |    |        |
|----------------------------|-------|-----|------|------|----|--------|
| Target Compounds           |       |     |      |      |    | Qvalue |
| 2) 1,4-Dioxane             | 3.37  | 88  | 273  | 0.03 | ng | # 74   |
| 3) n-Nitrosodimethylamine  | 3.66  | 42  | 144  | 0.05 | ng | # 83   |
| 8) Naphthalene             | 10.66 | 128 | 1386 | 0.05 | ng | # 86   |
| 9) 2-Methylnaphthalene     | 12.29 | 142 | 880  | 0.05 | ng | # 93   |
| 13) Acenaphthylene         | 14.17 | 152 | 1120 | 0.04 | ng | 100    |
| 14) Acenaphthene           | 14.53 | 154 | 1071 | 0.06 | ng | 84     |
| 15) Fluorene               | 15.53 | 166 | 940  | 0.04 | ng | # 99   |
| 17) Hexachlorobenzene      | 16.53 | 284 | 304  | 0.05 | ng | # 100  |
| 18) Pentachlorophenol      | 16.86 | 266 | 181  | 0.17 | ng | # 83   |
| 19) Phenanthrene           | 17.24 | 178 | 2173 | 0.05 | ng | # 95   |
| 20) Anthracene             | 17.34 | 178 | 1244 | 0.04 | ng | 100    |
| 21) Fluoranthene           | 19.26 | 202 | 1880 | 0.05 | ng | 99     |
| 23) Pyrene                 | 19.64 | 202 | 1994 | 0.04 | ng | 98     |
| 25) Benzo(a)anthracene     | 21.37 | 228 | 4296 | 0.08 | ng | # 95   |
| 26) Chrysene               | 21.37 | 228 | 4307 | 0.11 | ng | 97     |
| 27) Indeno(1,2,3-cd)pyrene | 26.02 | 276 | 1796 | 0.04 | ng | 100    |
| 29) Benzo(b)fluoranthene   | 22.99 | 252 | 2003 | 0.05 | ng | # 71   |
| 30) Benzo(k)fluoranthene   | 23.04 | 252 | 1770 | 0.05 | ng | # 71   |
| 31) Benzo(a)pyrene         | 23.59 | 252 | 1618 | 0.05 | ng | # 60   |
| 32) Dibenzo(a,h)anthracene | 26.03 | 278 | 1401 | 0.04 | ng | # 74   |
| 33) Benzo(g,h,i)perylene   | 26.73 | 276 | 1640 | 0.05 | ng | # 84   |

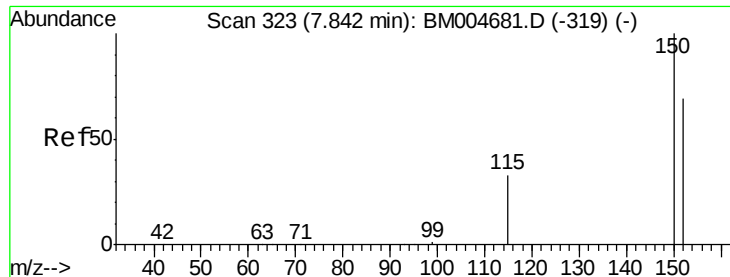
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM031816\  
Data File : BM004694.D  
Acq On : 18 Mar 2016 23:11  
Operator : UM/SJ  
Sample : MDL-05-W  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-W

Quant Time: Mar 21 01:14:56 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 19 07:50:46 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

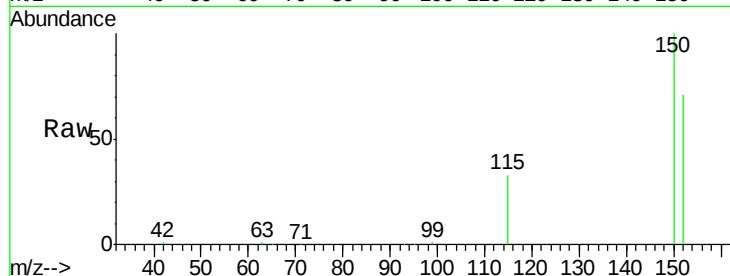
Tgt Ion: 152 Resp: 26229

Ion Ratio Lower Upper

152 100

150 141.8 115.9 173.9

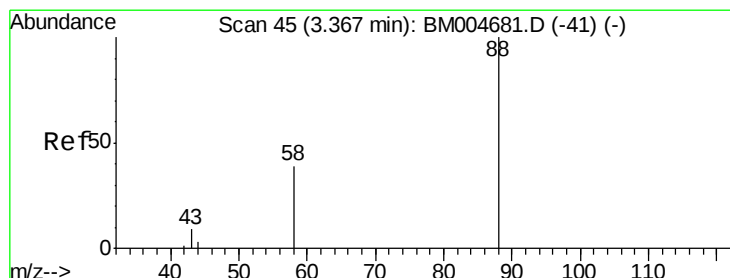
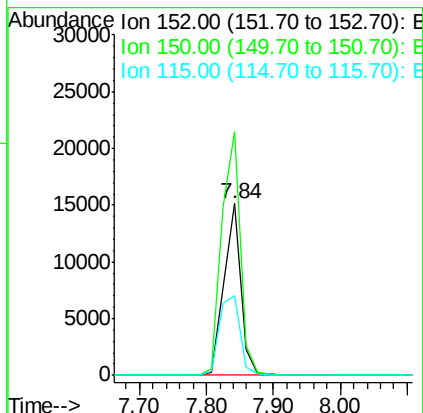
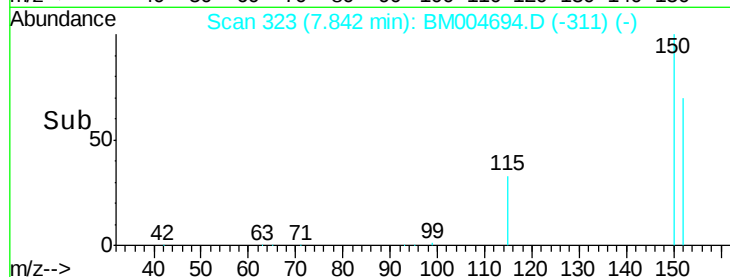
115 46.5 38.4 57.6



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: 0.03 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

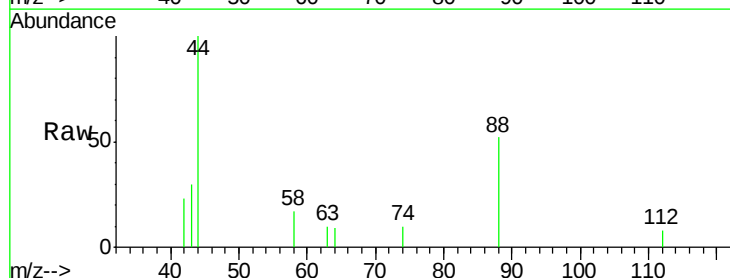
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

58 33.3 43.9 65.9#

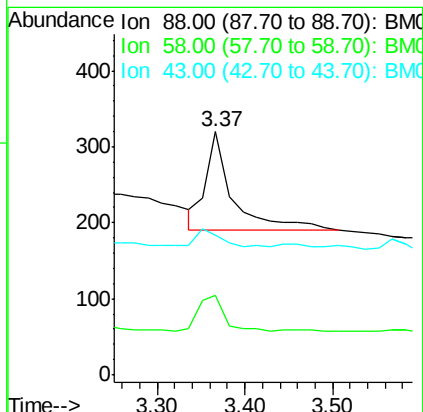
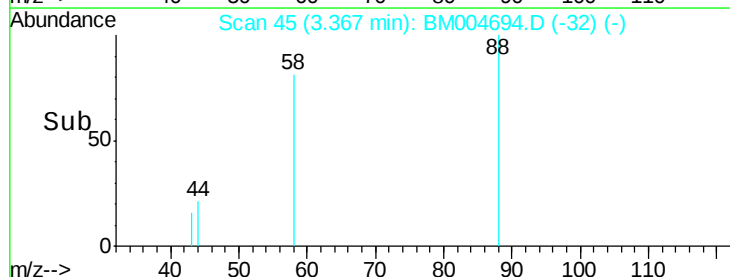
43 16.8 19.9 29.9#

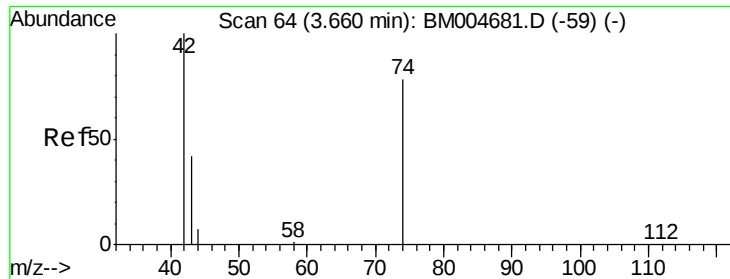


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

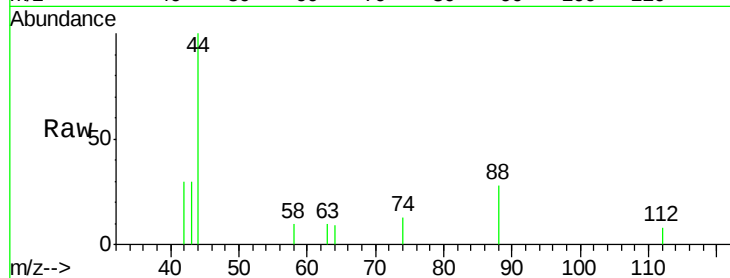
Tgt Ion: 42 Resp: 144

Ion Ratio Lower Upper

42 100

74 131.9 120.9 181.3

44 24.3 6.0 9.0#

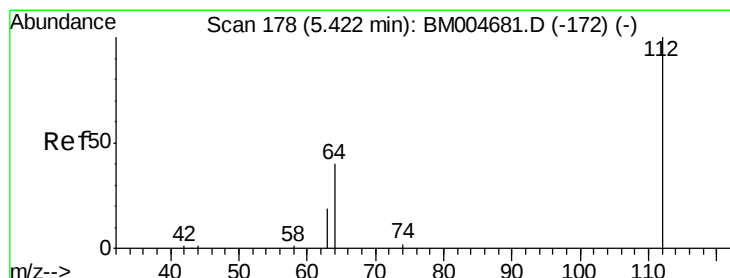
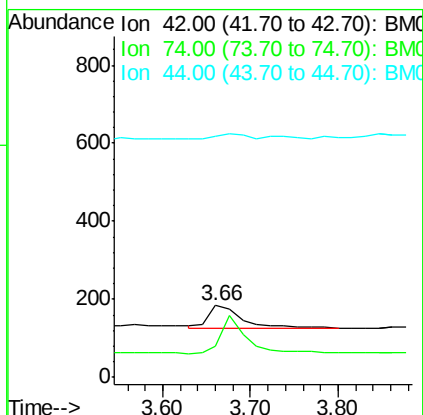
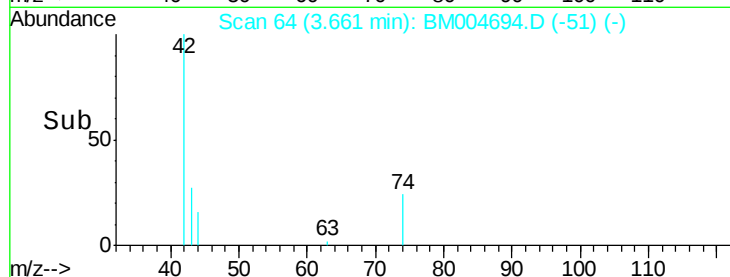


Abundance Ion 42.00 (41.70 to 42.70): BM004681.D (-59) (-)

Ion 74.00 (73.70 to 74.70): BM004681.D (-59) (-)

Ion 44.00 (43.70 to 44.70): BM004681.D (-59) (-)

Time-->



#4

2-Fluorophenol

Concen: 6.67 ng

RT: 5.42 min Scan# 178

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

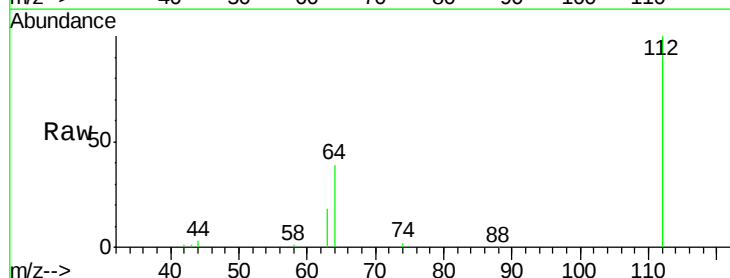
Tgt Ion: 112 Resp: 40359

Ion Ratio Lower Upper

112 100

64 46.9 37.0 55.6

63 24.1 19.3 28.9

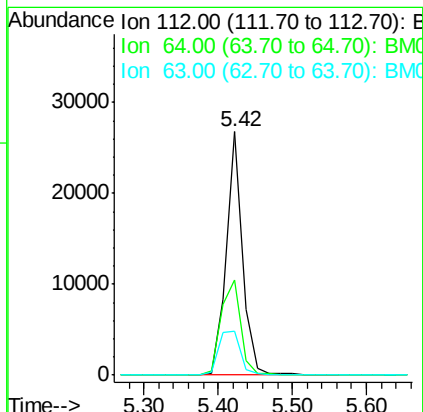
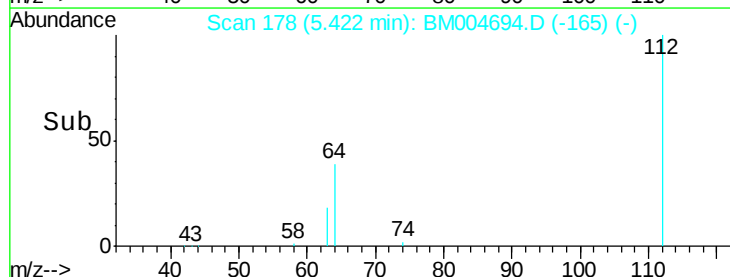


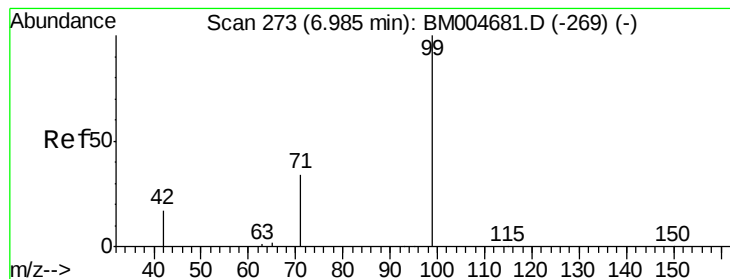
Abundance Ion 112.00 (111.70 to 112.70): BM004681.D (-172) (-)

Ion 64.00 (63.70 to 64.70): BM004681.D (-172) (-)

Ion 63.00 (62.70 to 63.70): BM004681.D (-172) (-)

Time-->





#5

Phenol-d6

Concen: 6.55 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

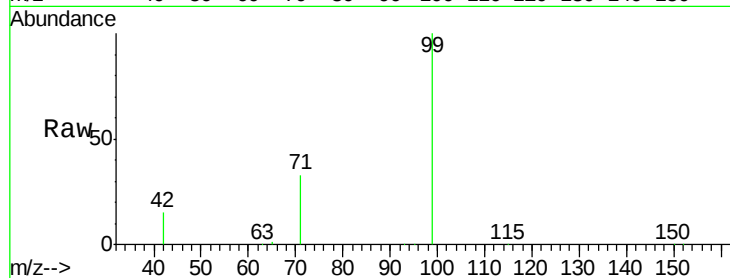
Tgt Ion: 99 Resp: 48582

Ion Ratio Lower Upper

99 100

42 14.5 12.7 19.1

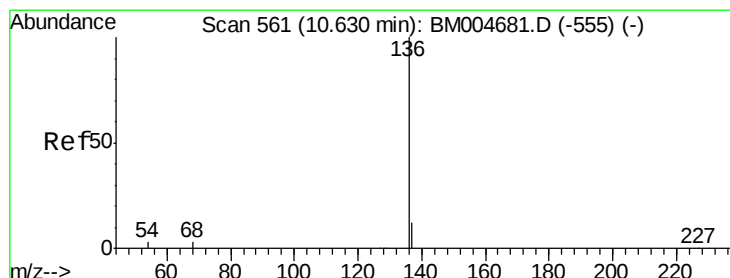
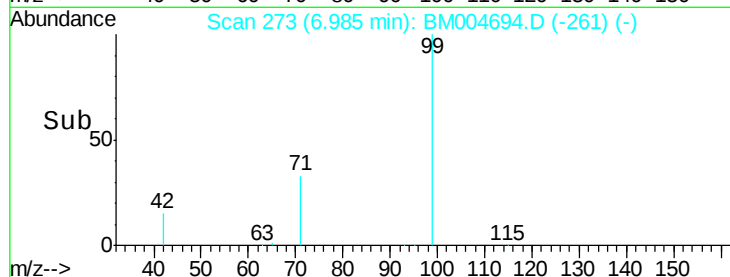
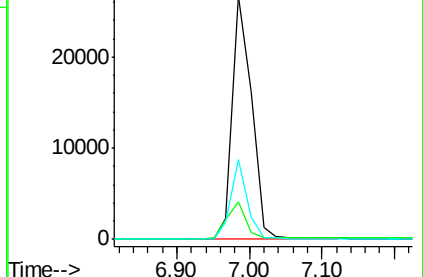
71 28.2 22.9 34.3



Abundance Ion 99.00 (98.70 to 99.70): BM004694.D (-269) (-)

Ion 42.00 (41.70 to 42.70): BM004694.D (-269) (-)

Ion 71.00 (70.70 to 71.70): BM004694.D (-269) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Tgt Ion: 136 Resp: 103712

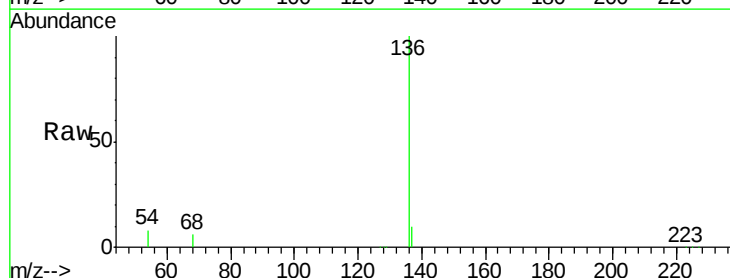
Ion Ratio Lower Upper

136 100

137 10.1 9.4 14.2

54 7.7 2.2 3.4#

68 6.4 2.2 3.4#

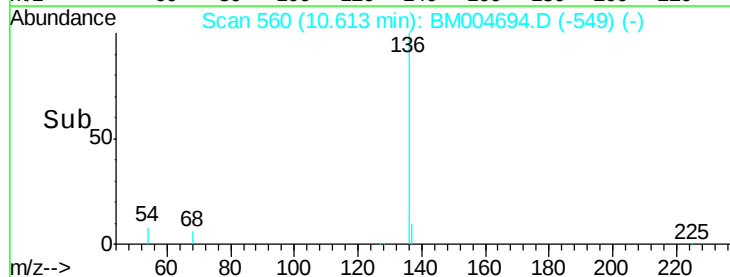
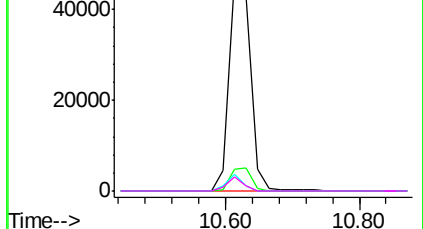


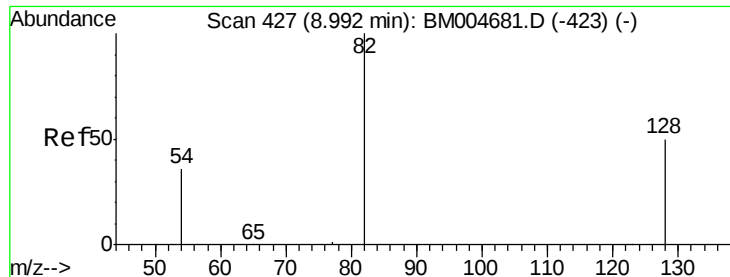
Abundance Ion 136.00 (135.70 to 136.70): BM004694.D (-549) (-)

Ion 137.00 (136.70 to 137.70): BM004694.D (-549) (-)

Ion 54.00 (53.70 to 54.70): BM004694.D (-549) (-)

Ion 68.00 (67.70 to 68.70): BM004694.D (-549) (-)





#7

Nitrobenzene-d5

Concen: 3.54 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

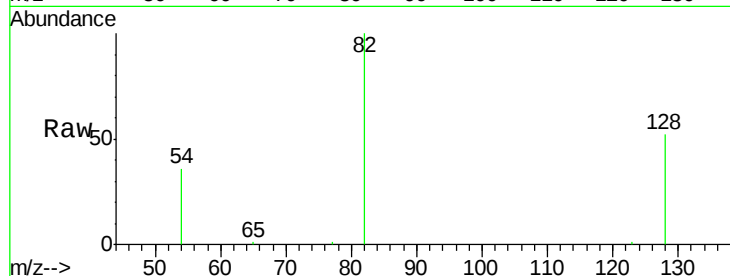
Tgt Ion: 82 Resp: 17686

Ion Ratio Lower Upper

82 100

128 51.9 41.8 62.8

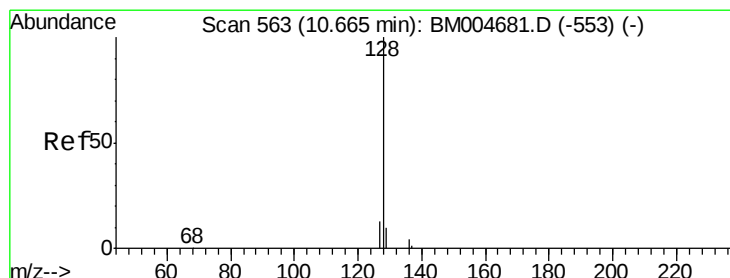
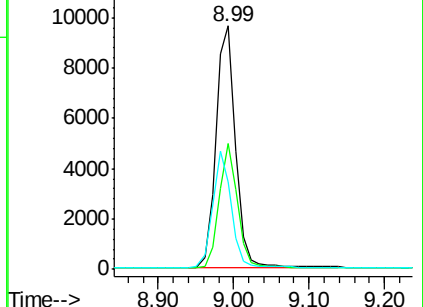
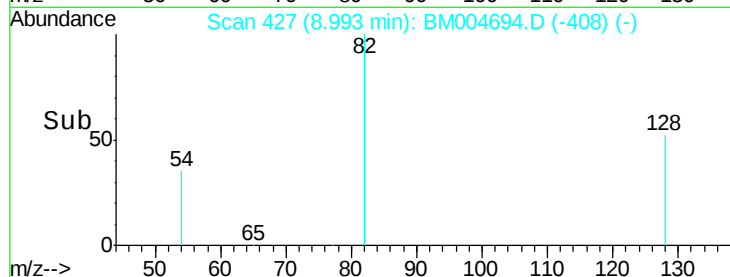
54 35.9 32.9 49.3



Abundance Ion 82.00 (81.70 to 82.70): BM004694.D (-408) (-)

Ion 128.00 (127.70 to 128.70): BM004694.D (-408) (-)

Ion 54.00 (53.70 to 54.70): BM004694.D (-408) (-)



#8

Naphthalene

Concen: 0.05 ng

RT: 10.66 min Scan# 563

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

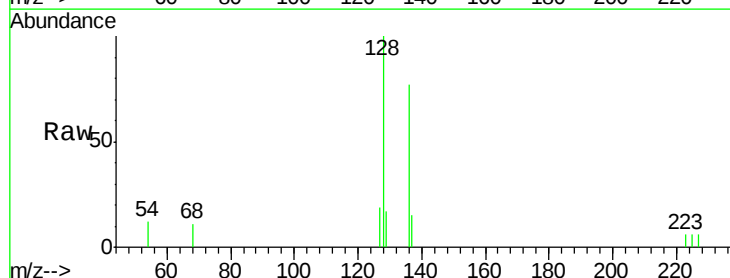
Tgt Ion: 128 Resp: 1386

Ion Ratio Lower Upper

128 100

129 17.1 8.9 13.3#

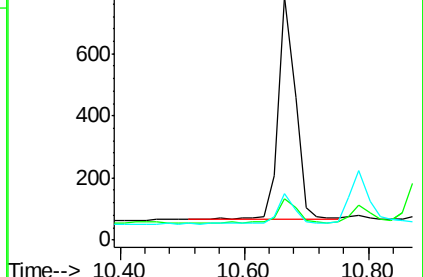
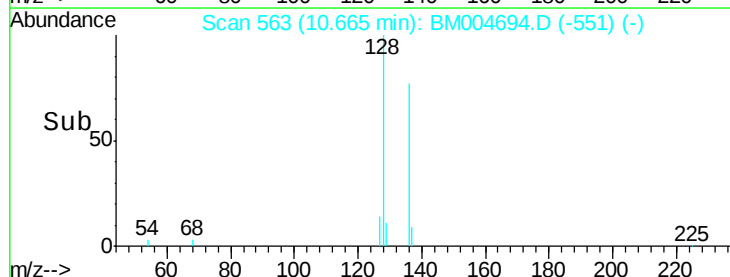
127 19.1 11.3 16.9#

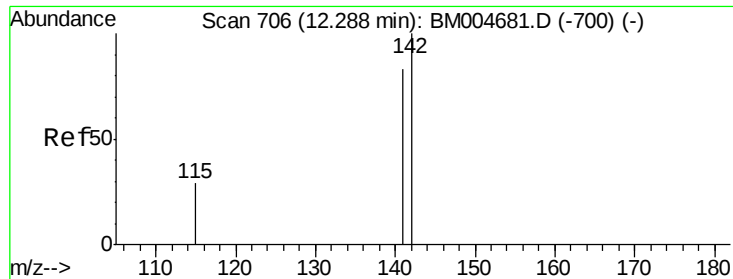


Abundance Ion 128.00 (127.70 to 128.70): BM004694.D (-551) (-)

Ion 129.00 (128.70 to 129.70): BM004694.D (-551) (-)

Ion 127.00 (126.70 to 127.70): BM004694.D (-551) (-)





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

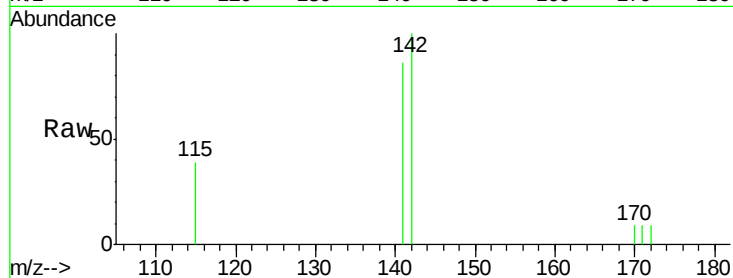
Tgt Ion:142 Resp: 880

Ion Ratio Lower Upper

142 100

141 85.6 66.2 99.2

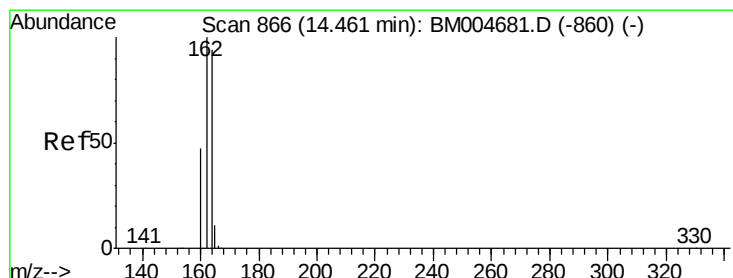
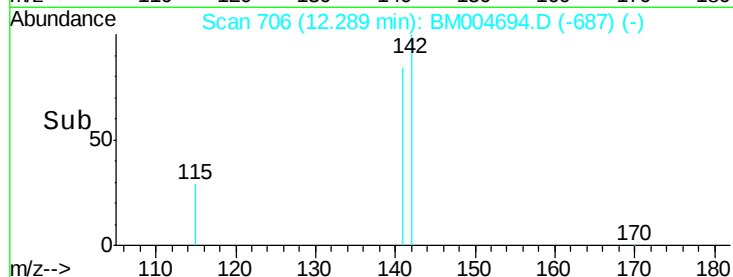
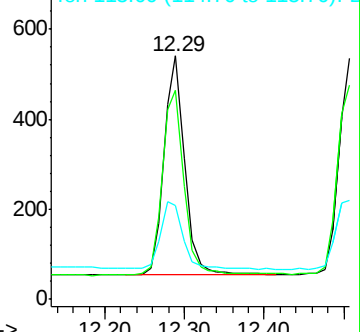
115 38.8 23.8 35.8#



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



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.46 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

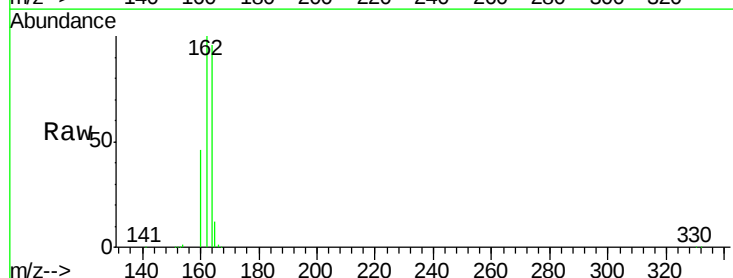
Tgt Ion:164 Resp: 55278

Ion Ratio Lower Upper

164 100

162 104.2 85.4 128.0

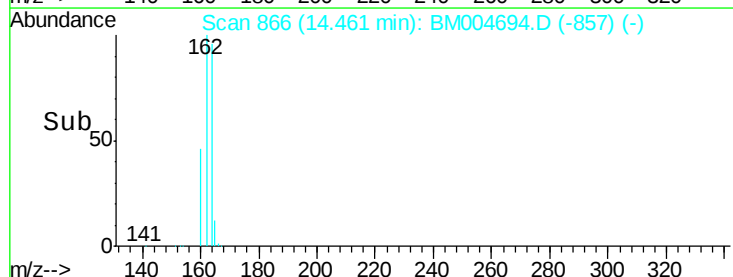
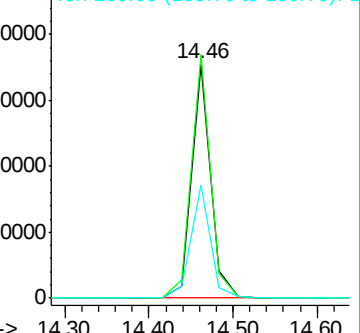
160 48.4 40.2 60.2

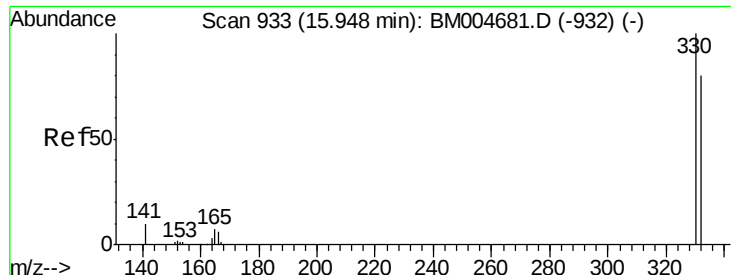


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

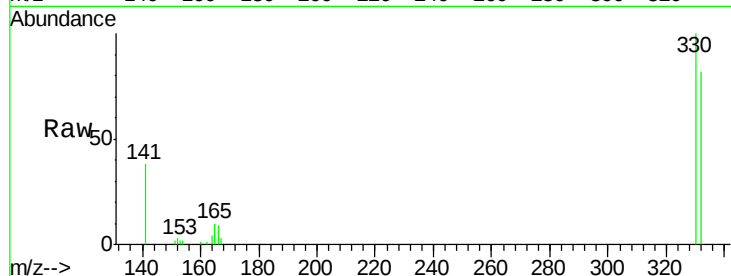




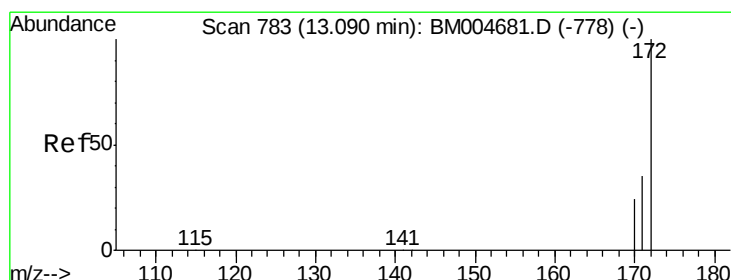
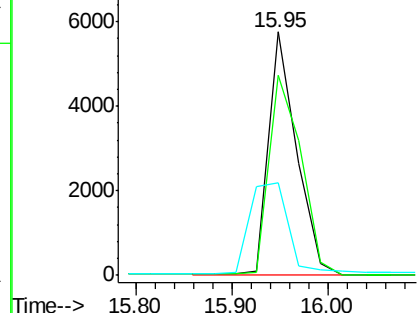
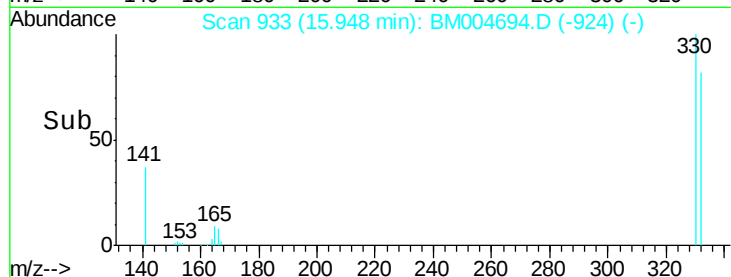
#11  
 2,4,6-Tribromophenol  
 Concen: 6.46 ng  
 RT: 15.95 min Scan# 933  
 Delta R.T. 0.00 min  
 Lab File: BM004694.D  
 Acq: 18 Mar 2016 23:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-W

Tgt Ion:330 Resp: 11835  
 Ion Ratio Lower Upper  
 330 100  
 332 93.9 93.9 140.9#  
 141 51.1 42.2 63.2

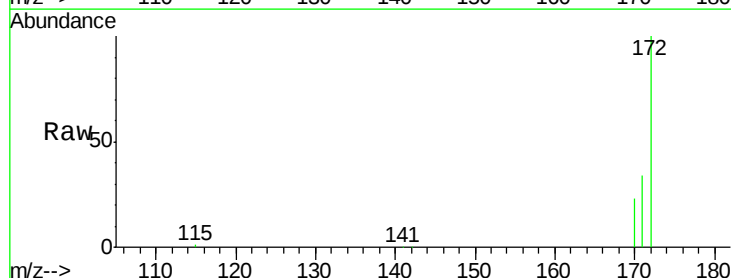


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

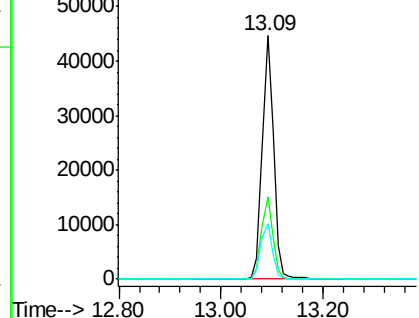
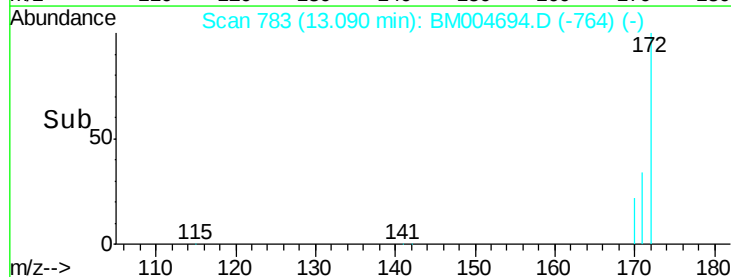


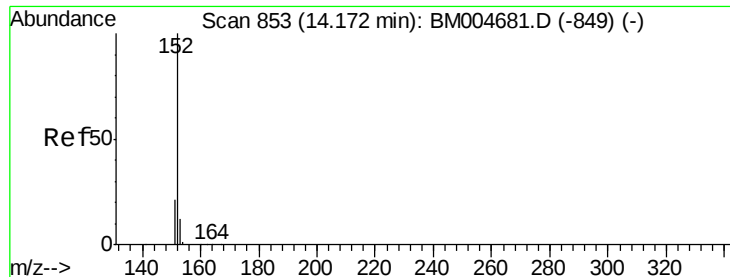
#12  
 2-Fluorobiphenyl  
 Concen: 4.24 ng  
 RT: 13.09 min Scan# 783  
 Delta R.T. 0.00 min  
 Lab File: BM004694.D  
 Acq: 18 Mar 2016 23:11

Tgt Ion:172 Resp: 67124  
 Ion Ratio Lower Upper  
 172 100  
 171 33.9 28.2 42.2  
 170 22.5 19.4 29.2



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





#13

Acenaphthylene

Concen: 0.04 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

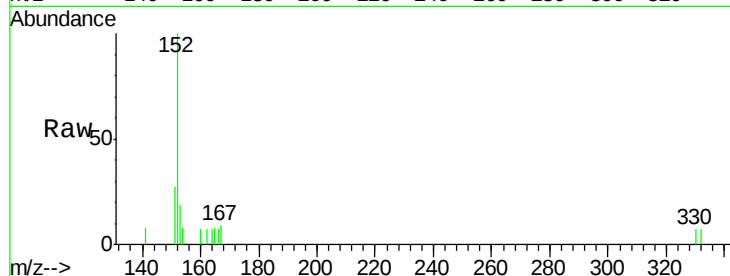
Tgt Ion:152 Resp: 1120

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 12.4 10.2 15.2



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

14.17

800

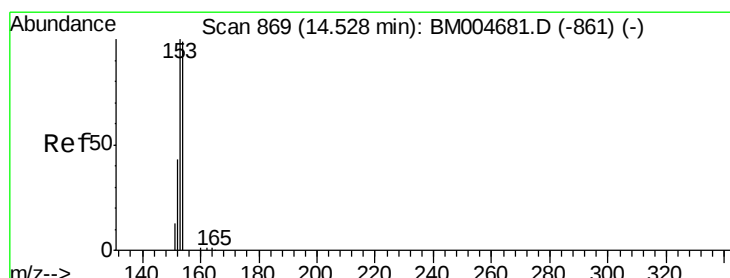
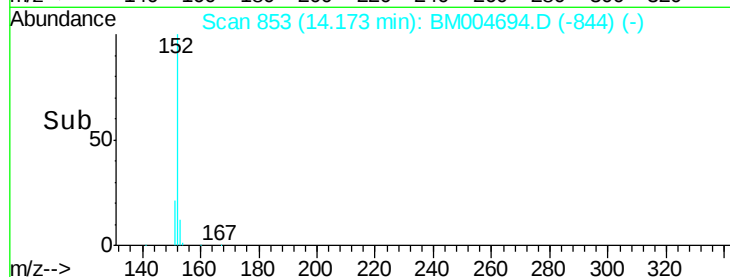
600

400

200

0

Time--> 14.00 14.10 14.20 14.30



#14

Acenaphthene

Concen: 0.06 ng

RT: 14.53 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

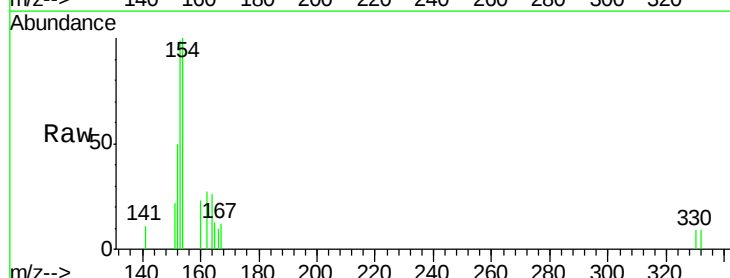
Tgt Ion:154 Resp: 1071

Ion Ratio Lower Upper

154 100

153 85.7 83.8 125.6

152 43.5 40.3 60.5



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

14.53

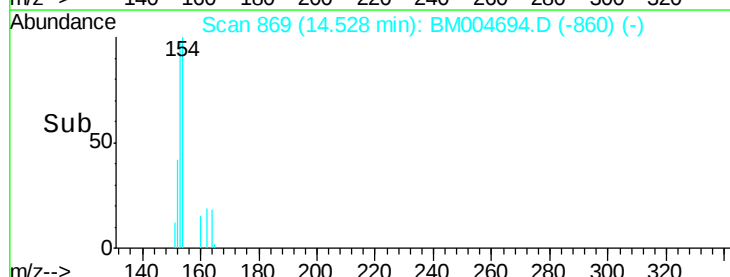
600

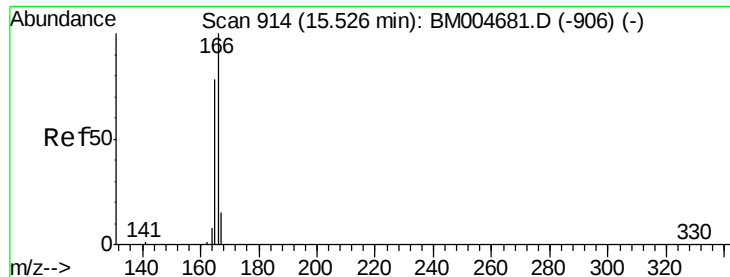
400

200

0

Time--> 14.40 14.50 14.60





#15

Fluorene

Concen: 0.04 ng

RT: 15.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

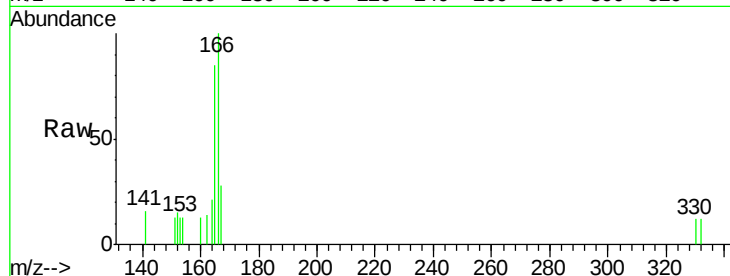
Tgt Ion:166 Resp: 940

Ion Ratio Lower Upper

166 100

165 0.0 0.0 0.0

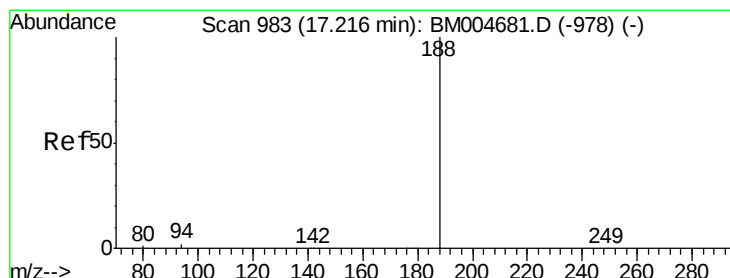
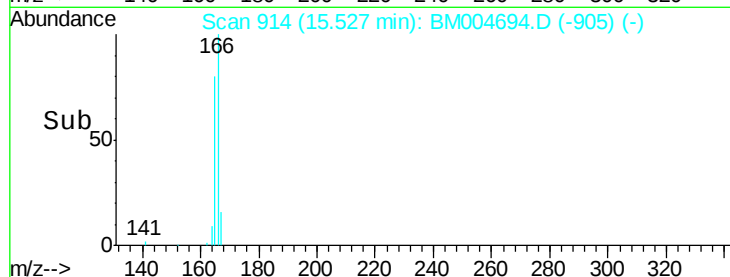
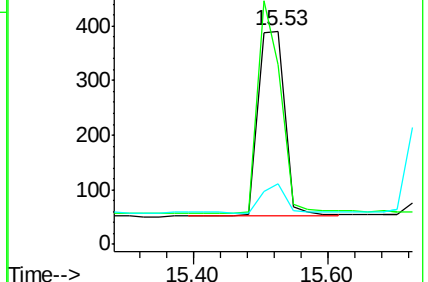
167 13.7 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.03 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

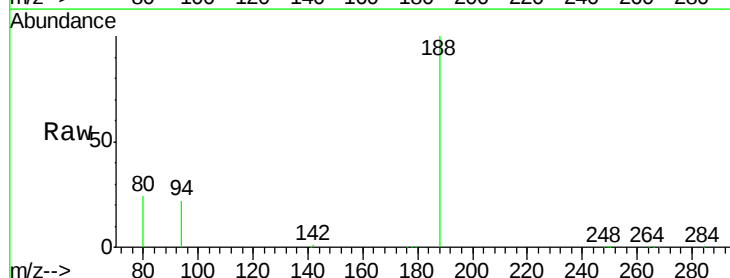
Tgt Ion:188 Resp: 102856

Ion Ratio Lower Upper

188 100

94 22.3 1.4 2.0#

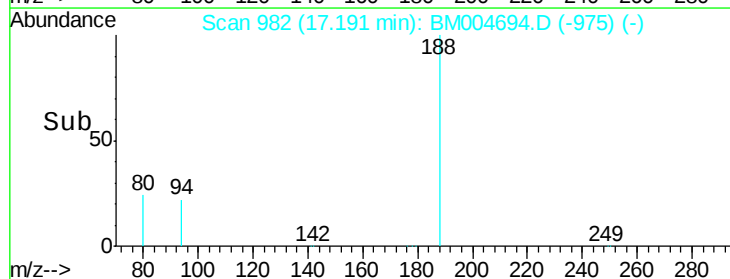
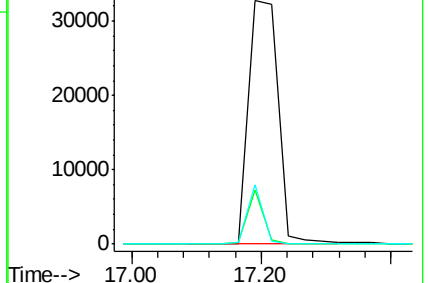
80 24.1 1.0 1.6#

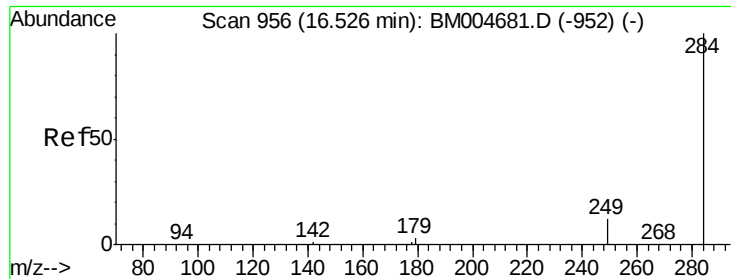


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

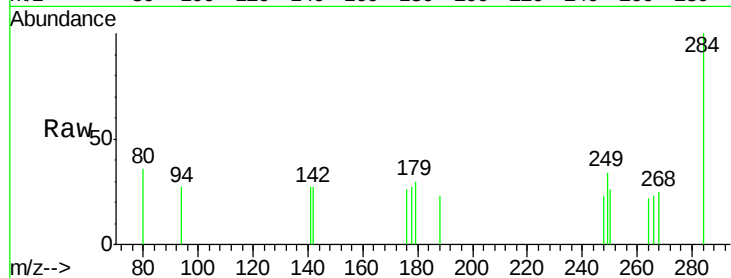




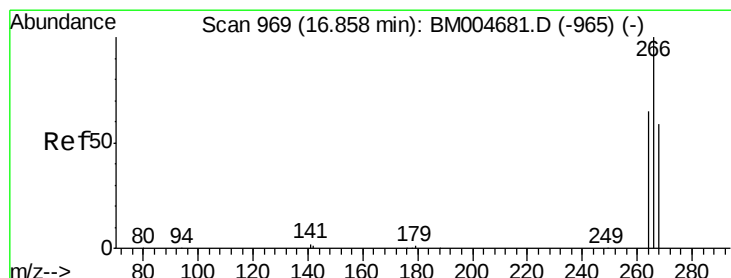
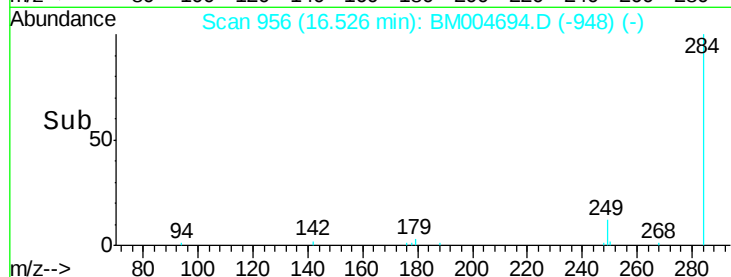
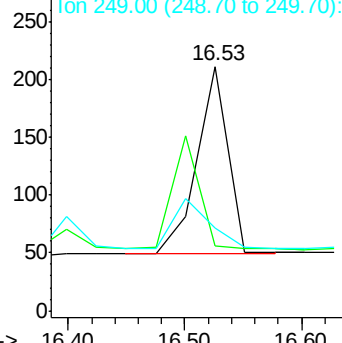
#17  
Hexachlorobenzene  
Concen: 0.05 ng  
RT: 16.53 min Scan# 956  
Delta R.T. 0.00 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-W

Tgt Ion: 284 Resp: 304  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 0.0 0.0

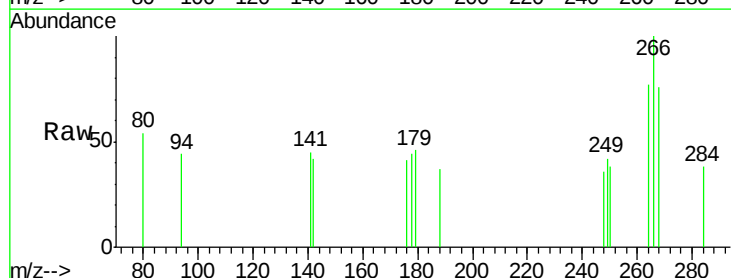


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

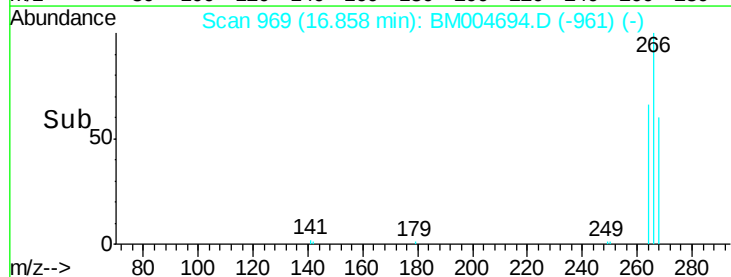
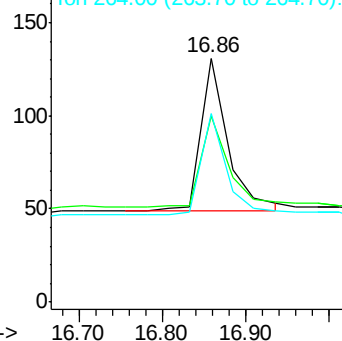


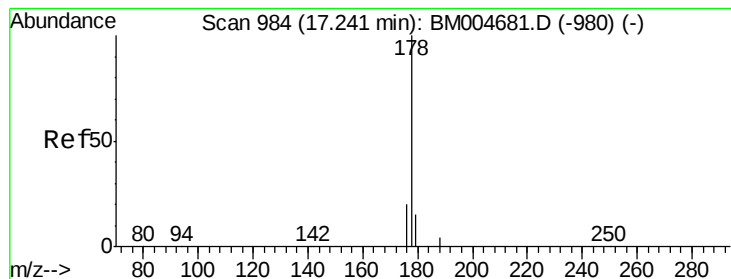
#18  
Pentachlorophenol  
Concen: 0.17 ng  
RT: 16.86 min Scan# 969  
Delta R.T. 0.00 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Tgt Ion: 266 Resp: 181  
Ion Ratio Lower Upper  
266 100  
268 76.3 49.1 73.7#  
264 77.1 52.9 79.3



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





#19

Phenanthrene

Concen: 0.05 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

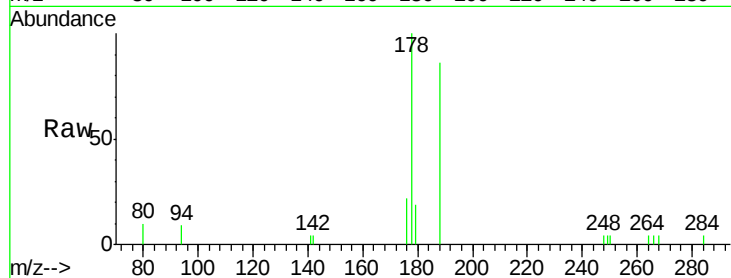
Tgt Ion:178 Resp: 2173

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

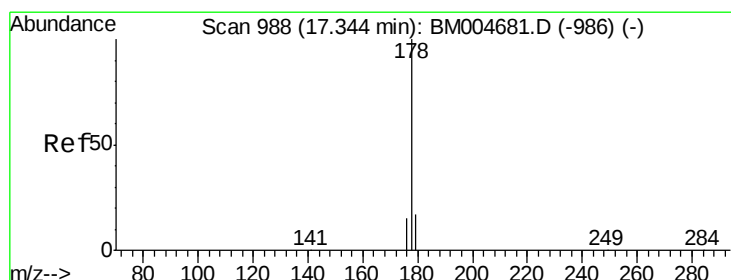
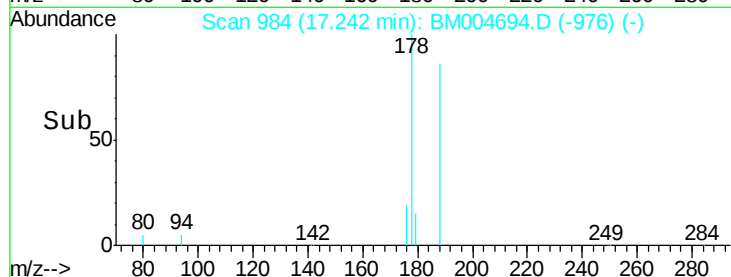
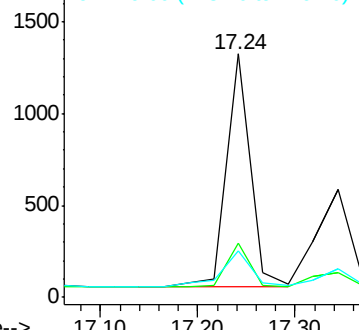
179 19.5 12.2 18.4#



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



#20

Anthracene

Concen: 0.04 ng

RT: 17.34 min Scan# 988

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

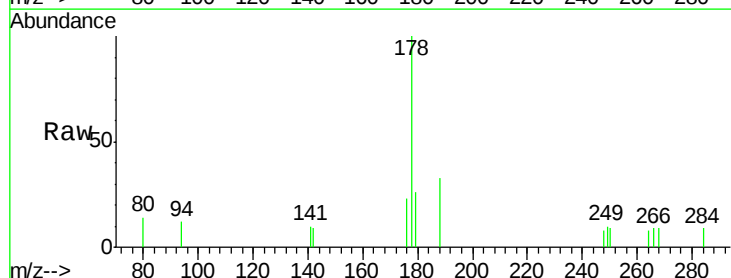
Tgt Ion:178 Resp: 1244

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

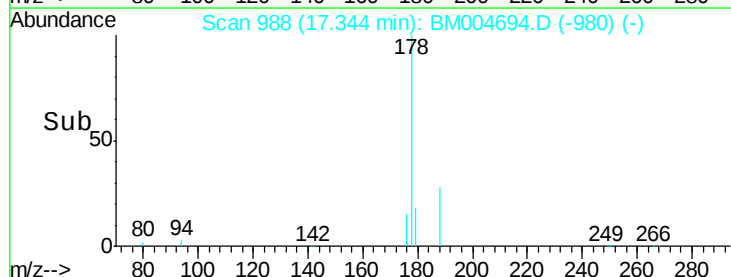
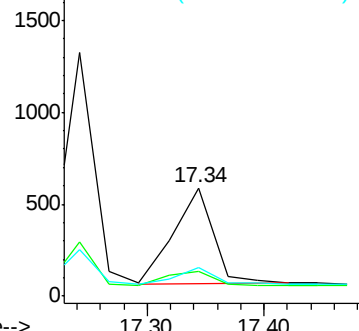
179 15.9 12.6 18.8

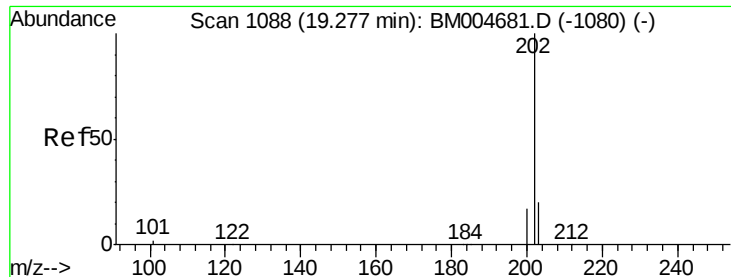


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

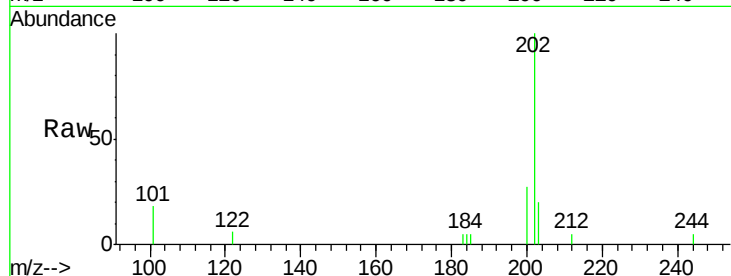




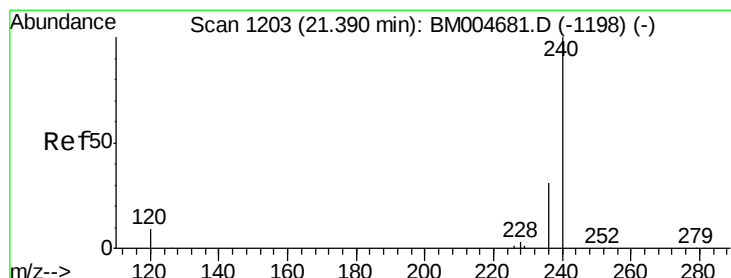
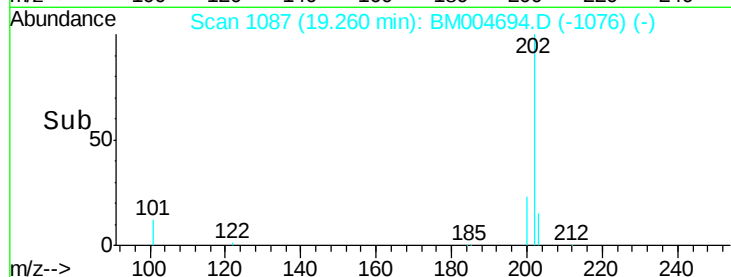
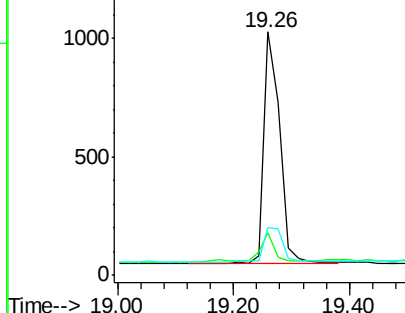
#21  
Fluoranthene  
Concen: 0.05 ng  
RT: 19.26 min Scan# 1087  
Delta R.T. -0.02 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-W

Tgt Ion: 202 Resp: 1880  
Ion Ratio Lower Upper  
202 100  
101 10.0 8.7 13.1  
203 17.9 14.1 21.1

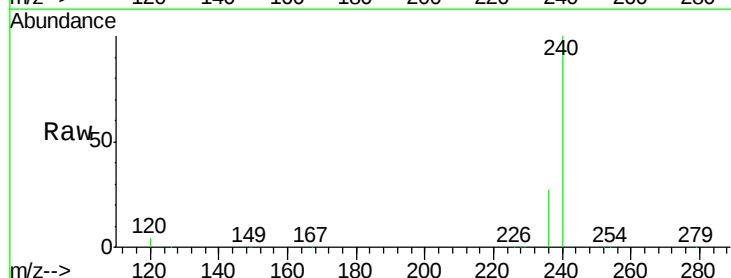


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

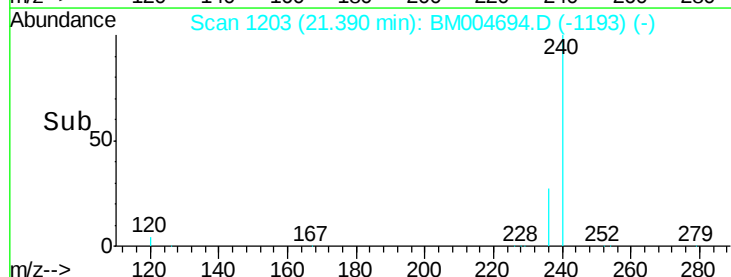
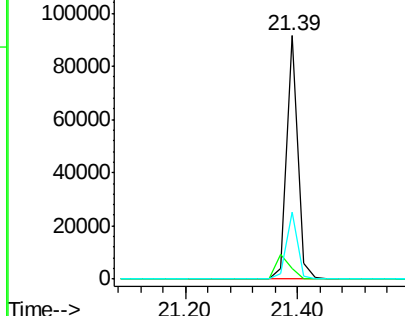


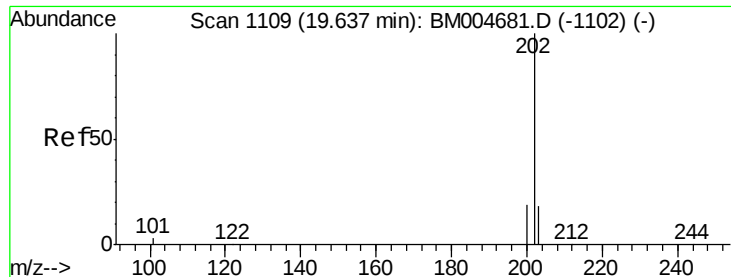
#22  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.39 min Scan# 1203  
Delta R.T. 0.00 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Tgt Ion: 240 Resp: 126394  
Ion Ratio Lower Upper  
240 100  
120 4.1 7.4 11.2#  
236 27.3 24.5 36.7



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

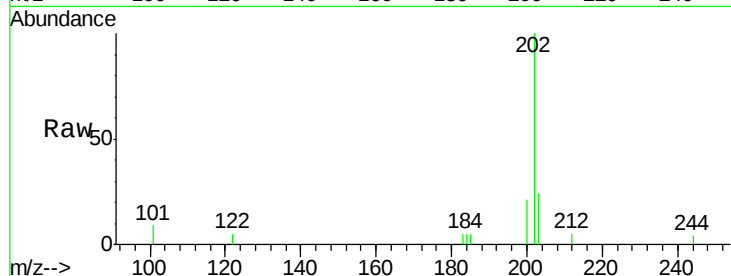




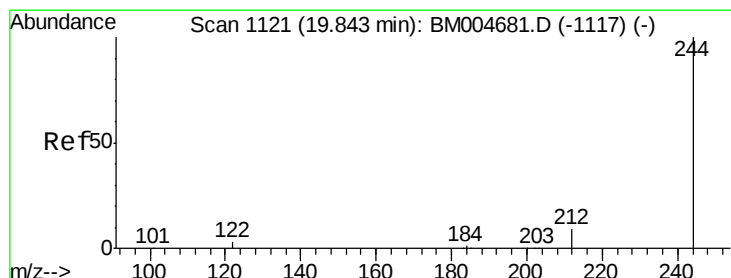
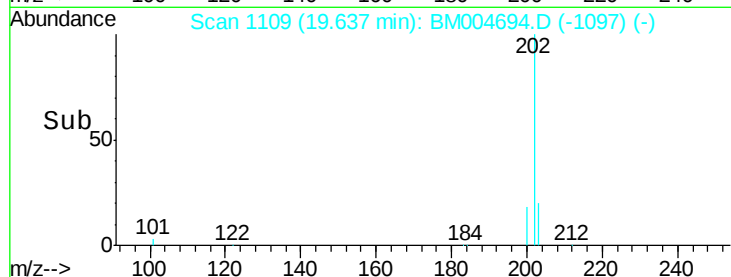
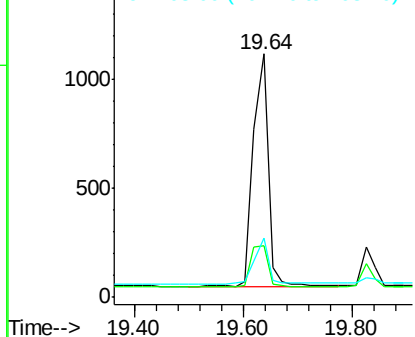
#23  
 Pyrene  
 Concen: 0.04 ng  
 RT: 19.64 min Scan# 1109  
 Delta R.T. 0.00 min  
 Lab File: BM004694.D  
 Acq: 18 Mar 2016 23:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-05-W

Tgt Ion: 202 Resp: 1994  
 Ion Ratio Lower Upper  
 202 100  
 200 20.5 16.8 25.2  
 203 18.8 13.9 20.9

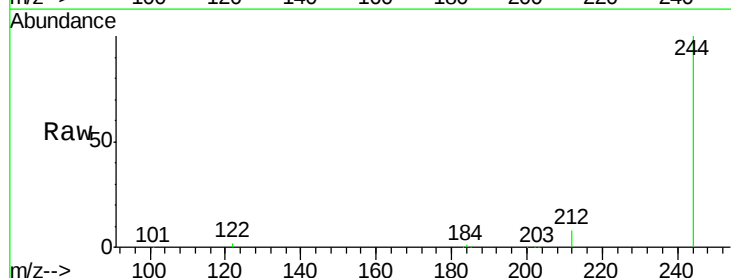


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

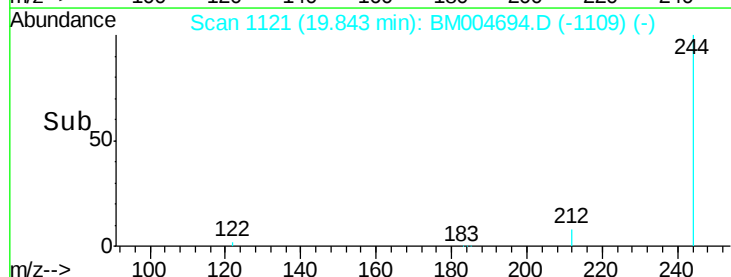
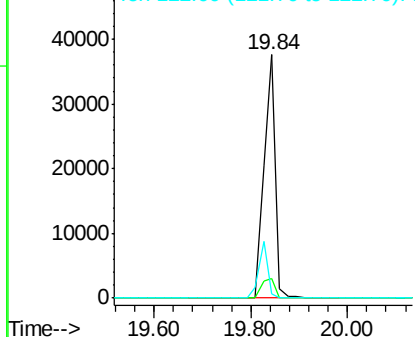


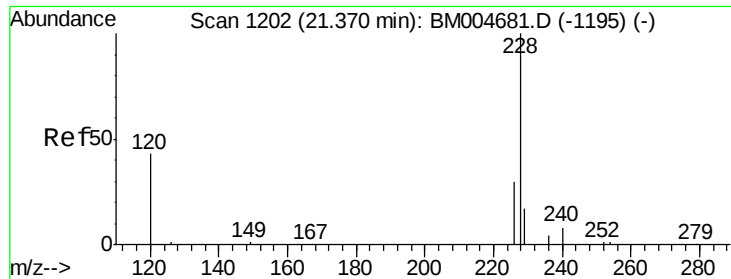
#24  
 Terphenyl-d14  
 Concen: 3.89 ng  
 RT: 19.84 min Scan# 1121  
 Delta R.T. 0.00 min  
 Lab File: BM004694.D  
 Acq: 18 Mar 2016 23:11

Tgt Ion: 244 Resp: 62109  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 7.7 11.5  
 122 1.7 3.4 5.0#



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

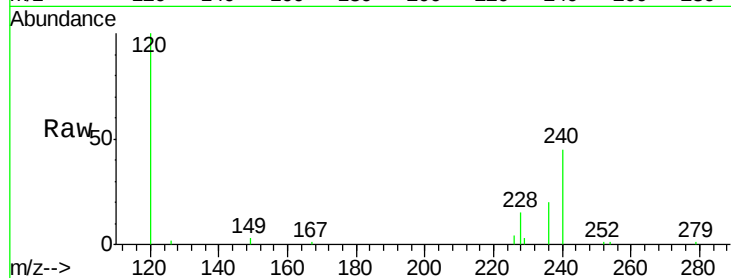




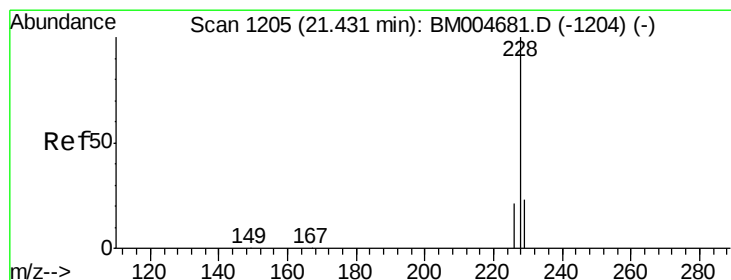
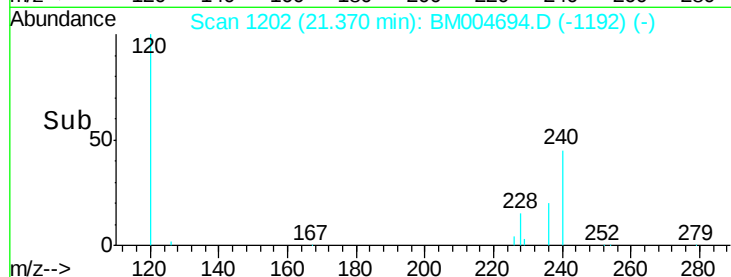
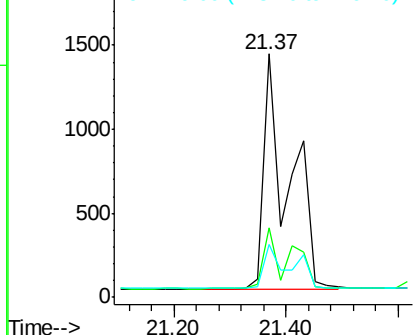
#25  
Benzo(a)anthracene  
Concen: 0.08 ng  
RT: 21.37 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-05-W

Tgt Ion:228 Resp: 4296  
Ion Ratio Lower Upper  
228 100  
226 28.7 24.2 36.2  
229 22.0 14.2 21.2#

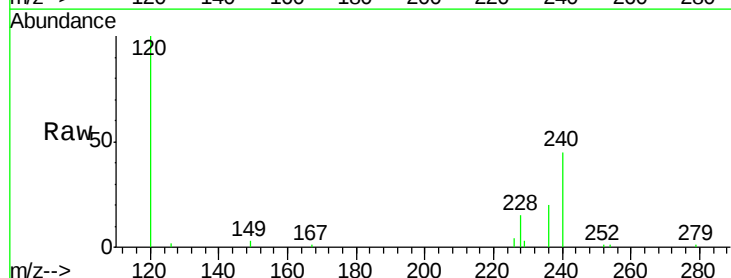


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

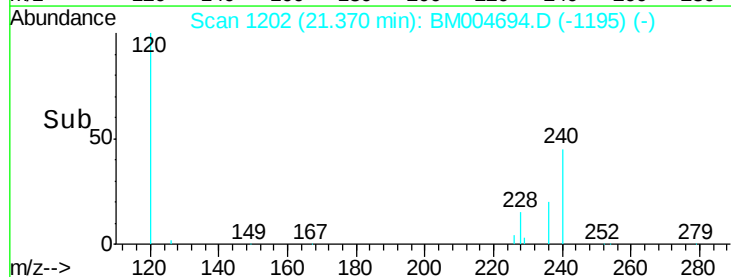
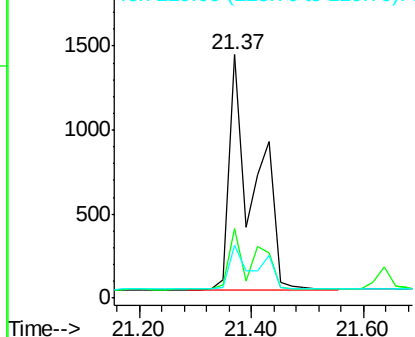


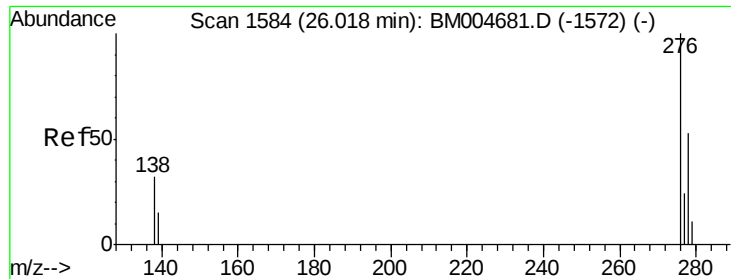
#26  
Chrysene  
Concen: 0.11 ng  
RT: 21.37 min Scan# 1202  
Delta R.T. -0.06 min  
Lab File: BM004694.D  
Acq: 18 Mar 2016 23:11

Tgt Ion:228 Resp: 4307  
Ion Ratio Lower Upper  
228 100  
226 28.7 20.9 31.3  
229 22.0 17.4 26.2



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





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.02 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

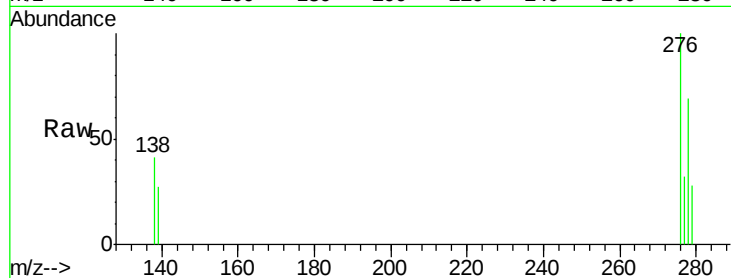
Tgt Ion:276 Resp: 1796

Ion Ratio Lower Upper

276 100

138 32.3 25.9 38.9

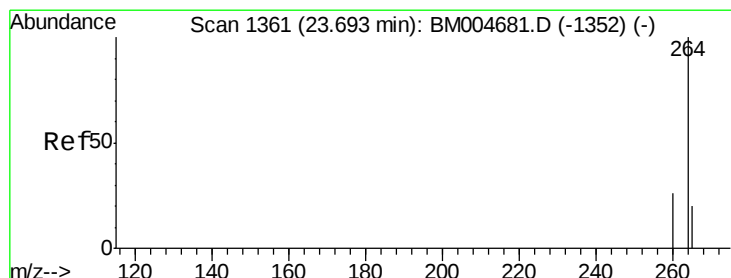
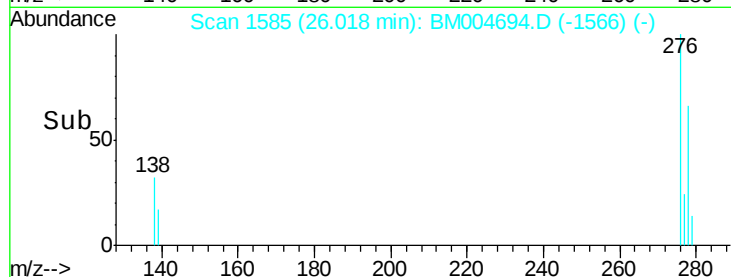
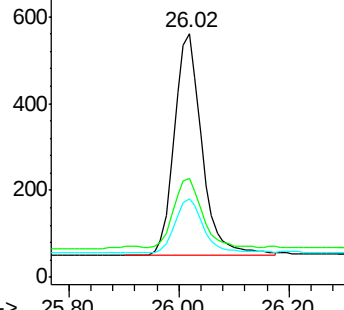
277 24.4 19.8 29.6



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 23.69 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

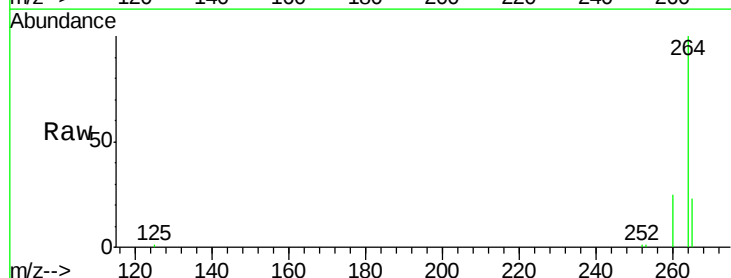
Tgt Ion:264 Resp: 103886

Ion Ratio Lower Upper

264 100

260 24.7 21.0 31.4

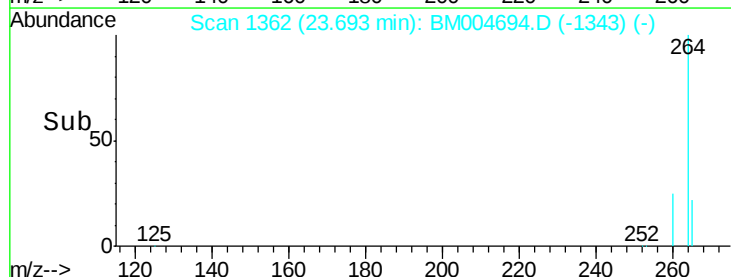
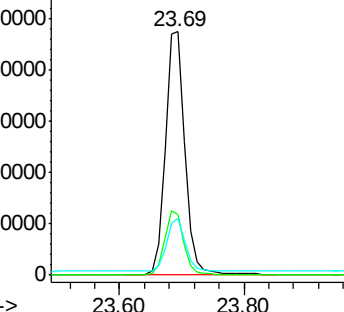
265 23.4 17.5 26.3

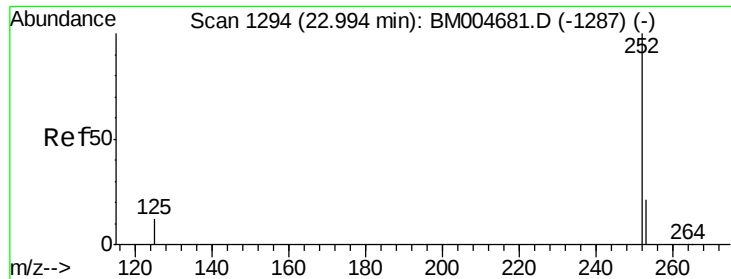


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.99 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W

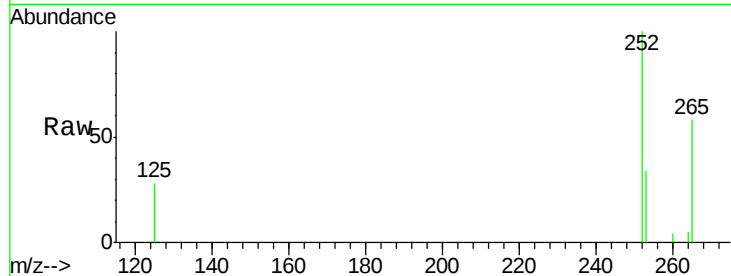
Tgt Ion:252 Resp: 2003

Ion Ratio Lower Upper

252 100

253 34.4 17.9 26.9#

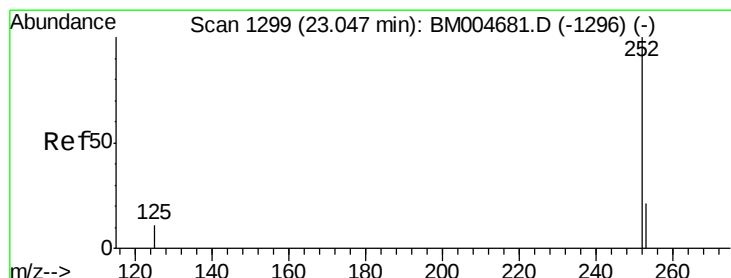
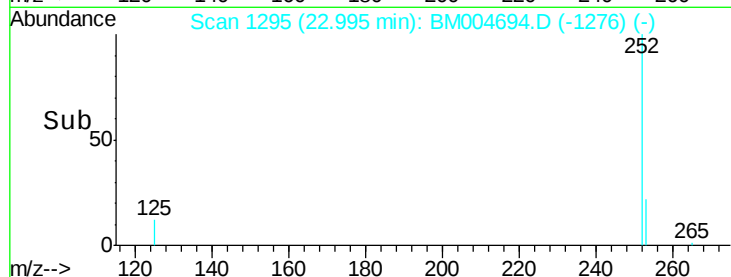
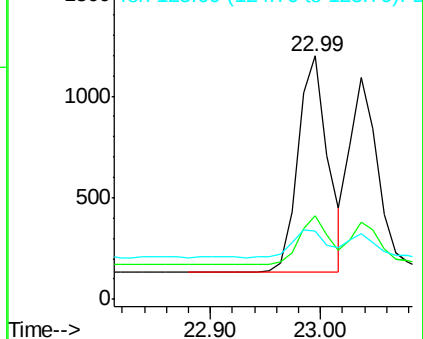
125 28.2 11.4 17.0#



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



#30

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 23.04 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

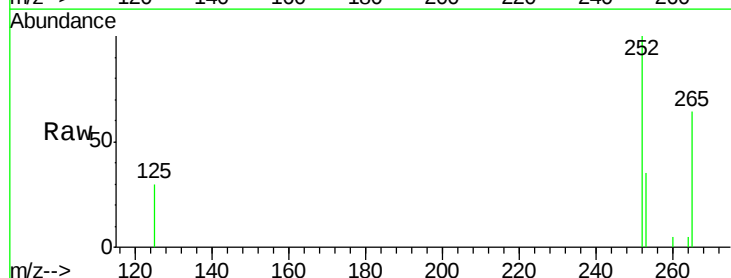
Tgt Ion:252 Resp: 1770

Ion Ratio Lower Upper

252 100

253 34.8 19.3 28.9#

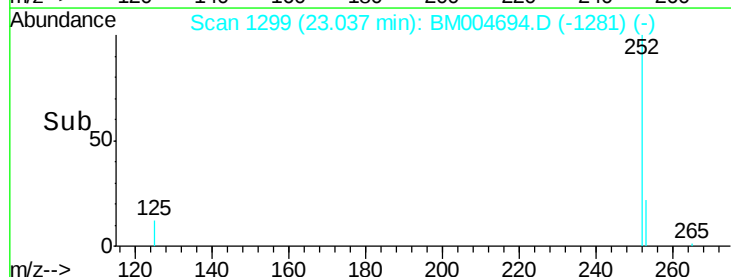
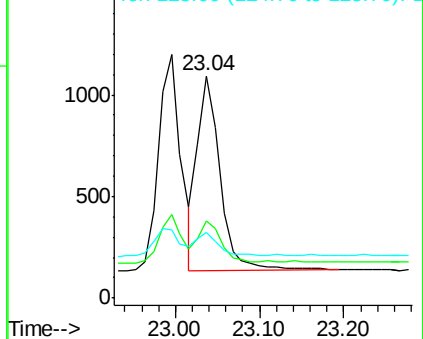
125 29.6 10.6 15.8#

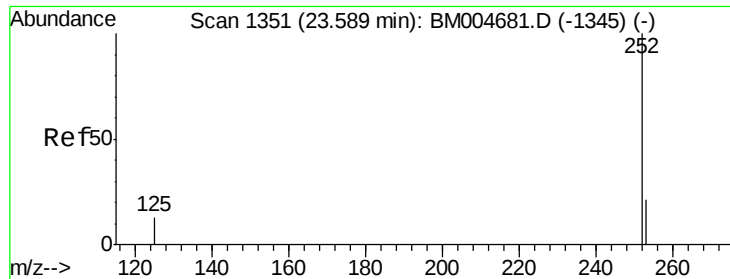


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.59 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampled :

MDL-05-W

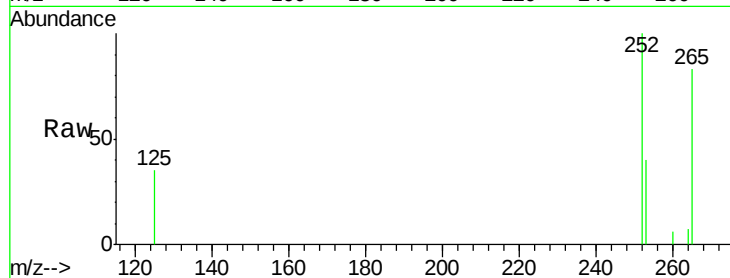
Tgt Ion: 252 Resp: 1618

Ion Ratio Lower Upper

252 100

253 40.1 18.6 28.0#

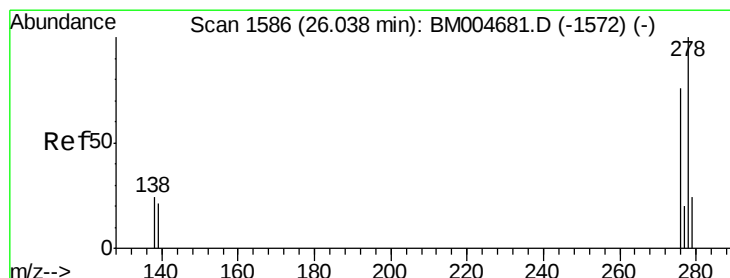
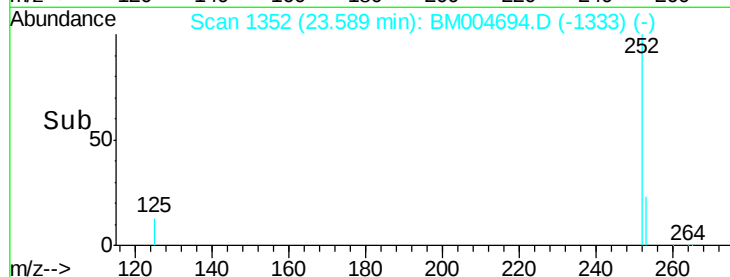
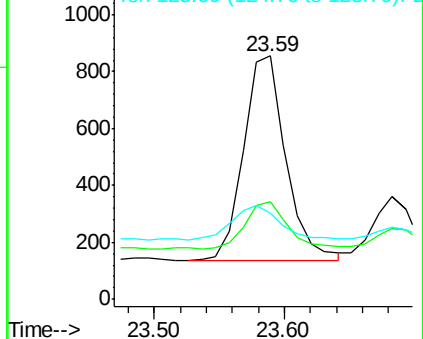
125 35.3 12.3 18.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#32

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 26.03 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BM004694.D

Acq: 18 Mar 2016 23:11

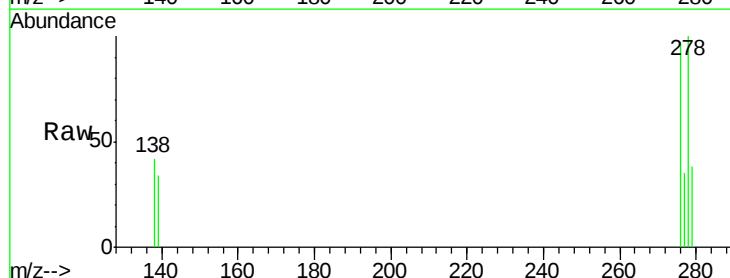
Tgt Ion: 278 Resp: 1401

Ion Ratio Lower Upper

278 100

139 33.8 17.6 26.4#

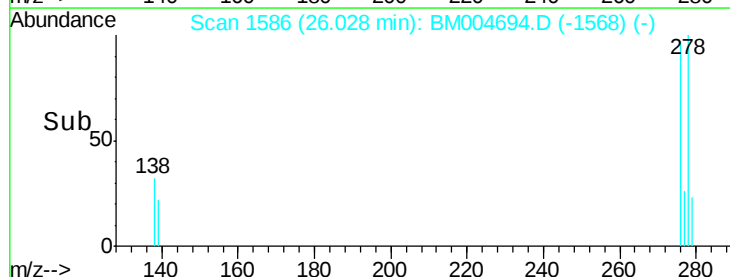
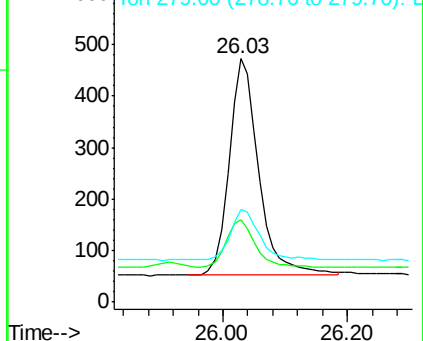
279 38.1 19.9 29.9#

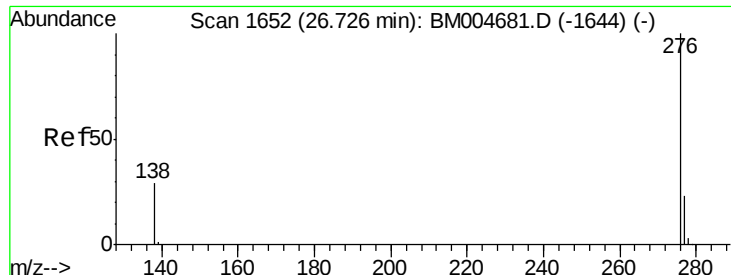


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.73 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM004694.D

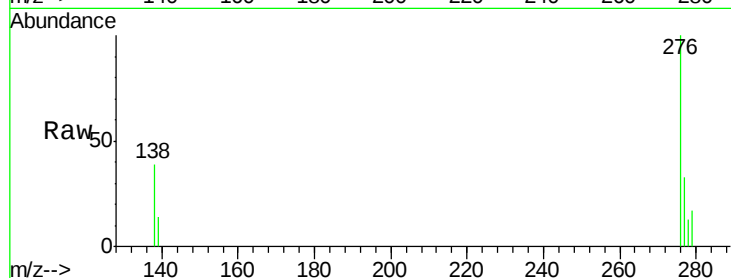
Acq: 18 Mar 2016 23:11

Instrument :

BNA\_M

ClientSampleId :

MDL-05-W



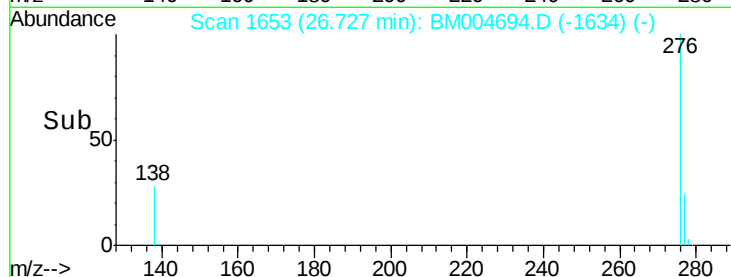
Tgt Ion: 276 Resp: 1640

Ion Ratio Lower Upper

276 100

277 32.6 19.1 28.7#

138 38.8 24.5 36.7#



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

