

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060215\  
 Data File : BM001529.D  
 Acq On : 03 Jun 2015 00:49  
 Operator : TP/IZ  
 Sample : PB83718BSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

Quant Time: Jun 03 03:19:25 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 03 02:19:00 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 15960    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.49 | 136  | 55085    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.36 | 164  | 25885    | 5.00 | ng    | -0.01    |
| 18) Phenanthrene-d10      | 17.10 | 188  | 67872    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.30 | 240  | 42652    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.54 | 264  | 38326    | 5.00 | ng    | 0.00     |

|                             |       |     |       |       |    |       |
|-----------------------------|-------|-----|-------|-------|----|-------|
| System Monitoring Compounds |       |     |       |       |    |       |
| 4) 2-Fluorophenol           | 5.28  | 112 | 48615 | 13.93 | ng | -0.02 |
| 5) Phenol-d6                | 6.86  | 99  | 62274 | 14.44 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.87  | 82  | 35998 | 10.50 | ng | 0.00  |
| 13) 2,4,6-Tribromophenol    | 15.84 | 330 | 15794 | 32.72 | ng | 0.00  |
| 14) 2-Fluorobiphenyl        | 12.98 | 172 | 76667 | 9.86  | ng | -0.01 |
| 27) Terphenyl-d14           | 19.74 | 244 | 51756 | 9.84  | ng | 0.00  |

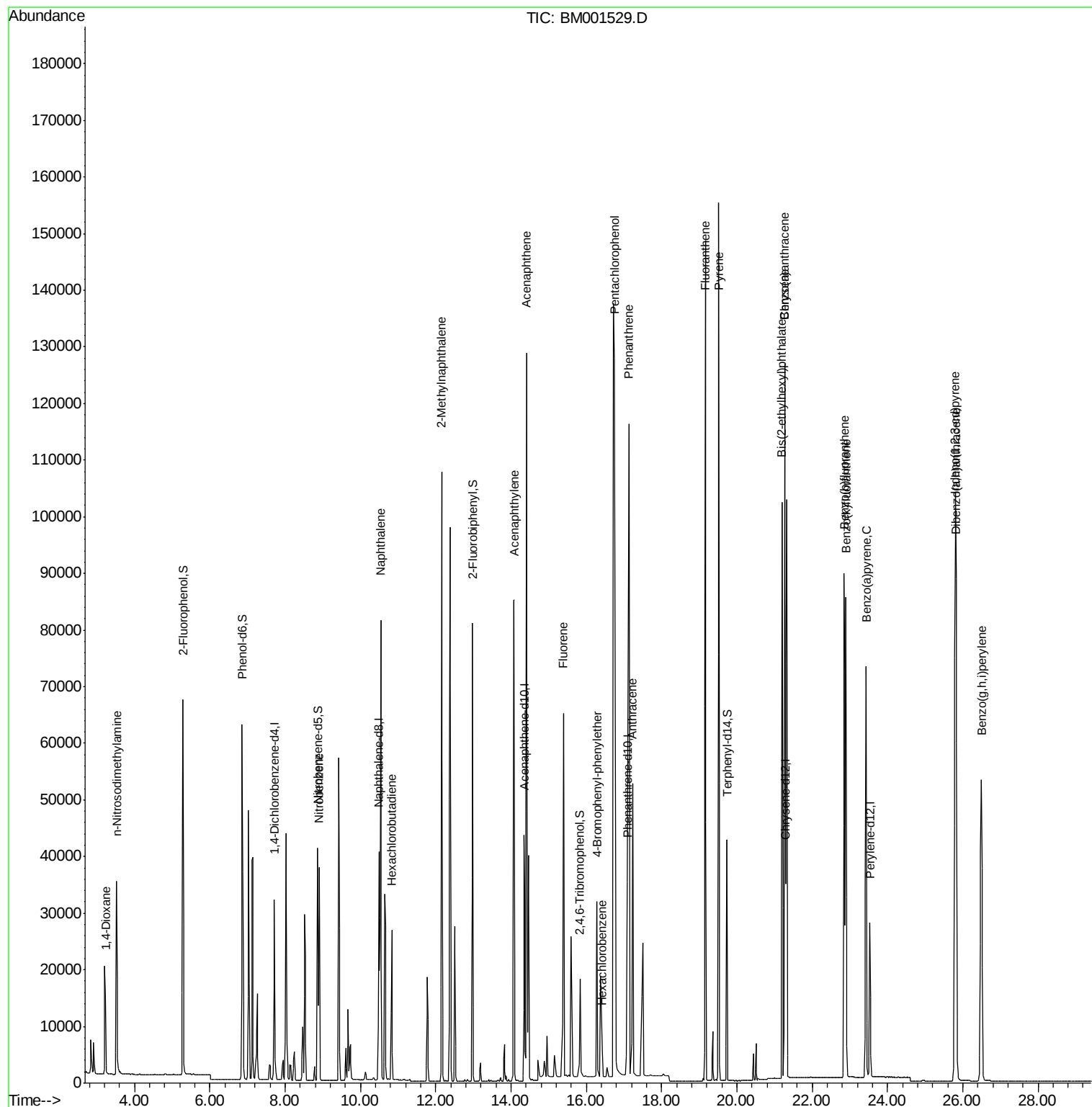
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 13460  | 9.75   | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.52  | 42  | 22754  | 10.04  | ng | 93   |
| 8) Nitrobenzene                | 8.91  | 77  | 40710  | 11.18  | ng | 98   |
| 9) Naphthalene                 | 10.54 | 128 | 108684 | 9.35   | ng | 97   |
| 10) Hexachlorobutadiene        | 10.83 | 225 | 19487  | 9.61   | ng | 100  |
| 11) 2-Methylnaphthalene        | 12.16 | 142 | 72210  | 9.90   | ng | 97   |
| 15) Acenaphthylene             | 14.08 | 152 | 114681 | 10.37  | ng | 100  |
| 16) Acenaphthene               | 14.42 | 154 | 64977  | 9.40   | ng | 99   |
| 17) Fluorene                   | 15.40 | 166 | 61641  | 5.35   | ng | 93   |
| 19) 4-Bromophenyl-phenylether  | 16.28 | 248 | 20266  | 21.44  | ng | # 58 |
| 20) Hexachlorobenzene          | 16.42 | 284 | 13087  | 5.15   | ng | # 37 |
| 21) Pentachlorophenol          | 16.76 | 266 | 122563 | 81.84  | ng | # 89 |
| 22) Phenanthrene               | 17.13 | 178 | 175883 | 14.82  | ng | 95   |
| 23) Anthracene                 | 17.23 | 178 | 79199  | 5.52   | ng | 94   |
| 24) Fluoranthene               | 19.16 | 202 | 129450 | 10.87  | ng | 98   |
| 26) Pyrene                     | 19.52 | 202 | 138375 | 10.75  | ng | 99   |
| 28) Benzo(a)anthracene         | 21.27 | 228 | 118423 | 10.31  | ng | 97   |
| 29) Chrysene                   | 21.27 | 228 | 118423 | 10.89  | ng | 93   |
| 30) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 97633  | 12.04  | ng | 98   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.80 | 276 | 123058 | 10.18  | ng | # 93 |
| 33) Benzo(b)fluoranthene       | 22.85 | 252 | 112341 | 10.27  | ng | 97   |
| 34) Benzo(k)fluoranthene       | 22.90 | 252 | 110488 | 11.55  | ng | 98   |
| 35) Benzo(a)pyrene             | 23.44 | 252 | 106058 | 11.37  | ng | 98   |
| 36) Dibenzo(a,h)anthracene     | 25.82 | 278 | 100156 | 10.79  | ng | 98   |
| 37) Benzo(g,h,i)perylene       | 26.50 | 276 | 103142 | 10.62  | ng | 96   |

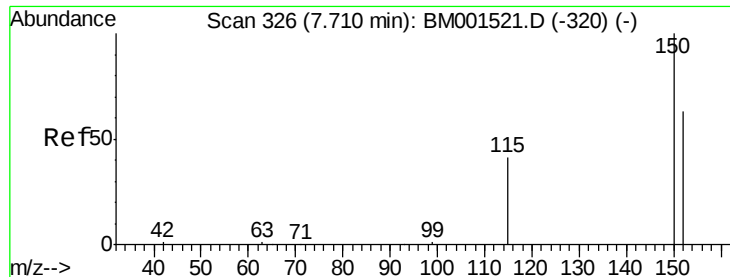
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 03 02:19:00 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.71 min Scan# 326

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

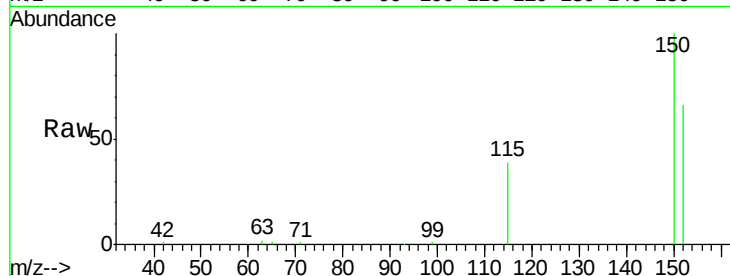
Tgt Ion:152 Resp: 15960

Ion Ratio Lower Upper

152 100

150 150.5 119.0 178.6

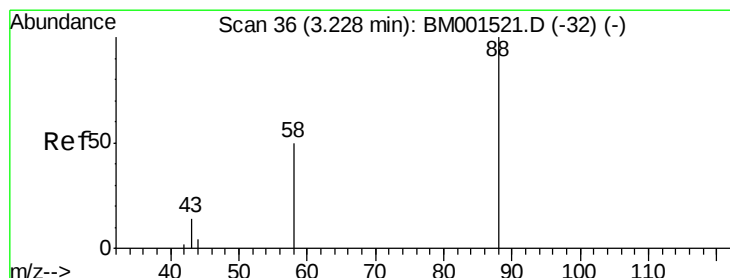
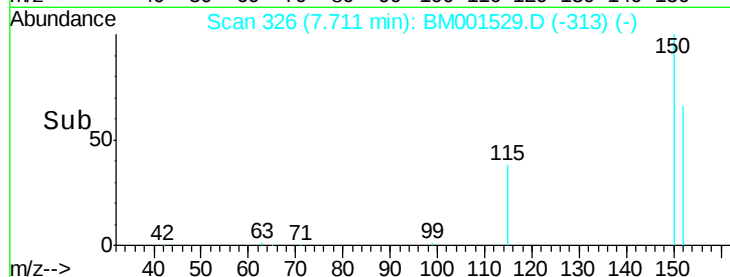
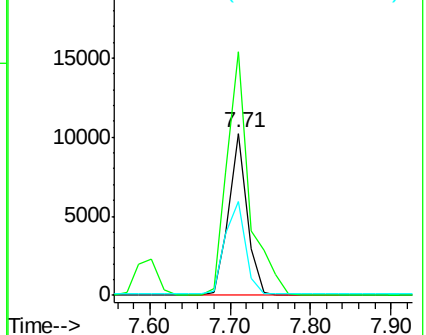
115 58.0 41.8 62.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.75 ng

RT: 3.23 min Scan# 36

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

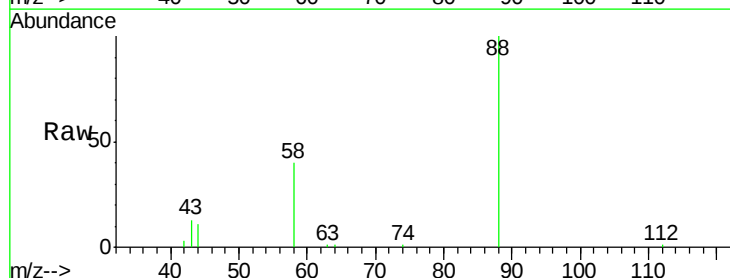
Tgt Ion: 88 Resp: 13460

Ion Ratio Lower Upper

88 100

58 89.7 71.3 106.9

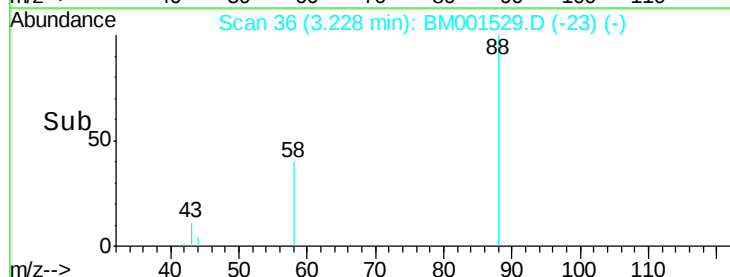
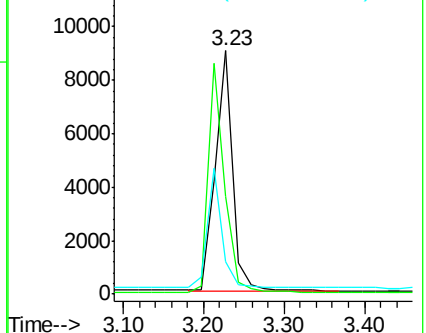
43 42.3 35.5 53.3

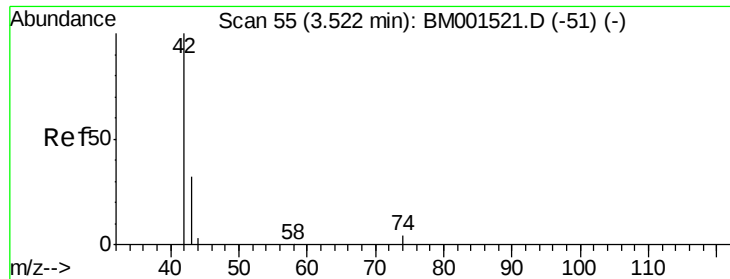


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 10.04 ng

RT: 3.52 min Scan# 55

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

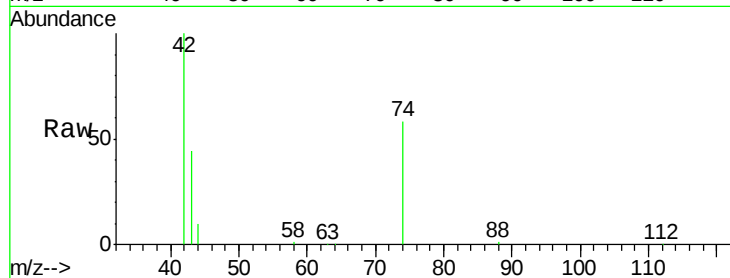
Tgt Ion: 42 Resp: 22754

Ion Ratio Lower Upper

42 100

74 97.5 72.2 108.2

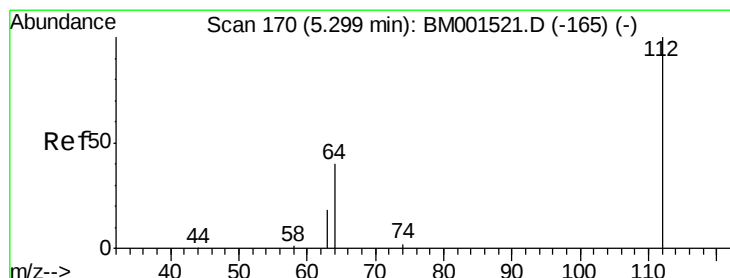
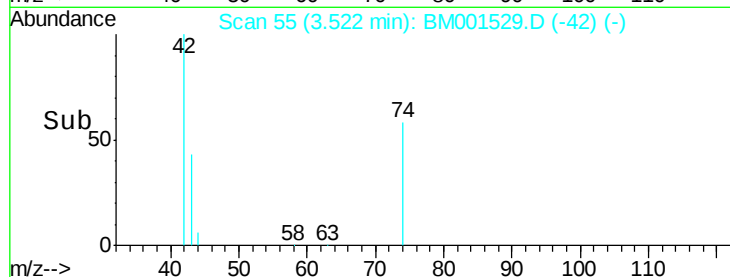
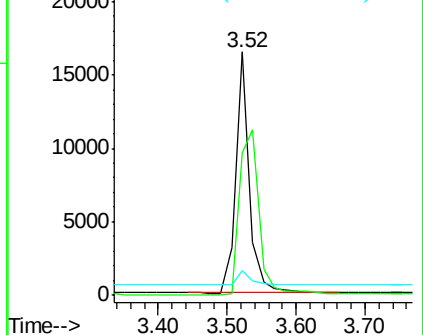
44 6.6 6.2 9.2



Abundance Ion 42.00 (41.70 to 42.70): BM001521.D (-51) (-)

Ion 74.00 (73.70 to 74.70): BM001521.D (-51) (-)

Ion 44.00 (43.70 to 44.70): BM001521.D (-51) (-)



#4

2-Fluorophenol

Concen: 13.93 ng

RT: 5.28 min Scan# 169

Delta R.T. -0.02 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

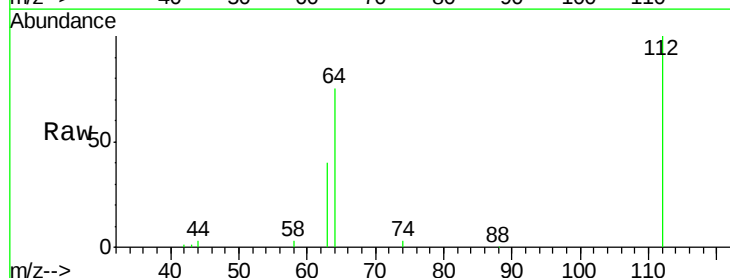
Tgt Ion: 112 Resp: 48615

Ion Ratio Lower Upper

112 100

64 66.5 51.7 77.5

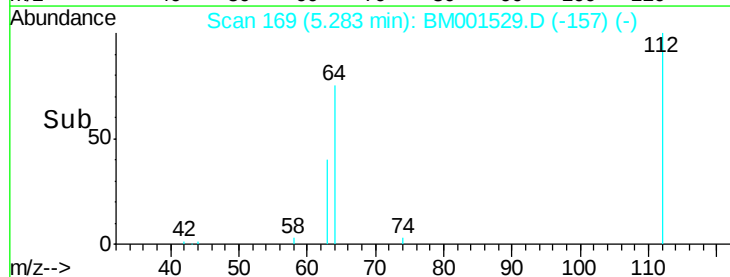
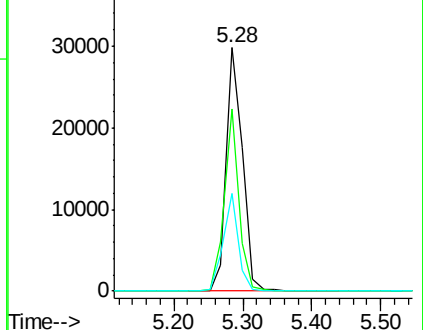
63 36.6 29.7 44.5

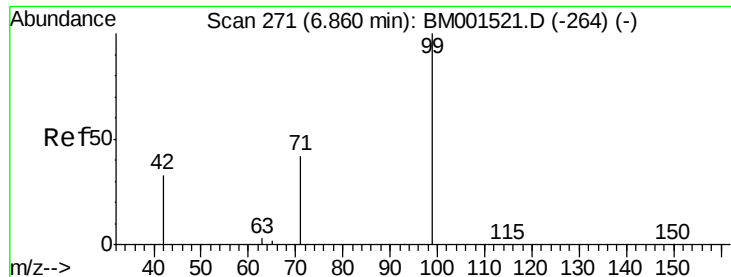


Abundance Ion 112.00 (111.70 to 112.70): BM001521.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001521.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001521.D (-165) (-)





#5

Phenol-d6

Concen: 14.44 ng

RT: 6.86 min Scan# 271

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

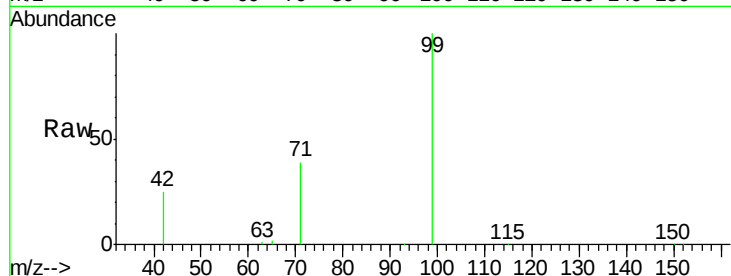
Tgt Ion: 99 Resp: 62274

Ion Ratio Lower Upper

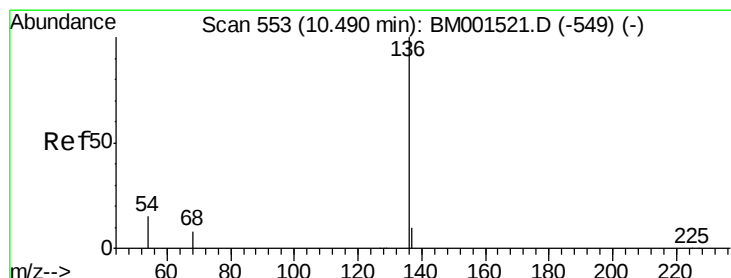
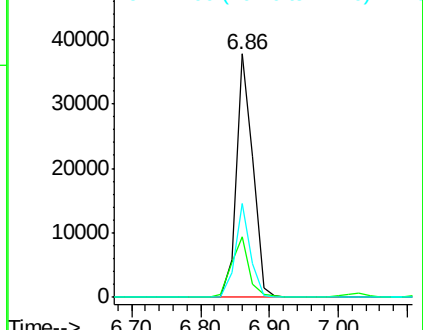
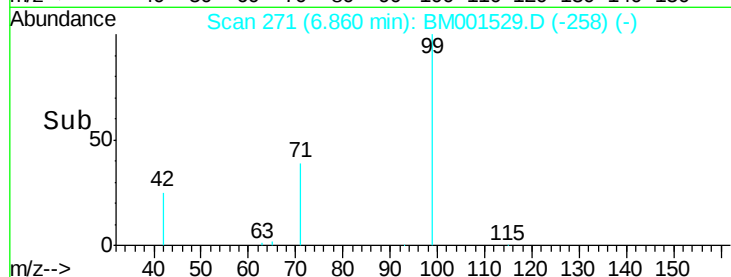
99 100

42 25.9 21.8 32.6

71 35.7 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001529.D (-258) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Tgt Ion: 136 Resp: 55085

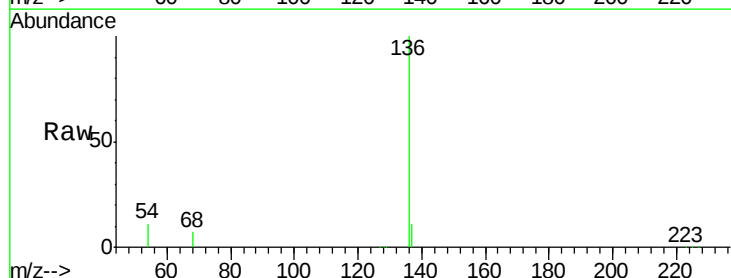
Ion Ratio Lower Upper

136 100

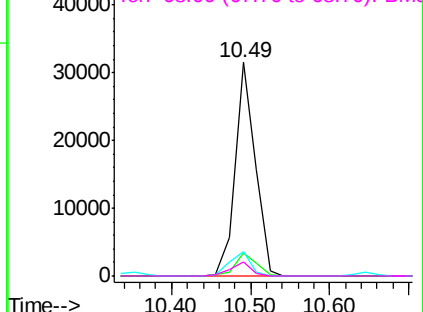
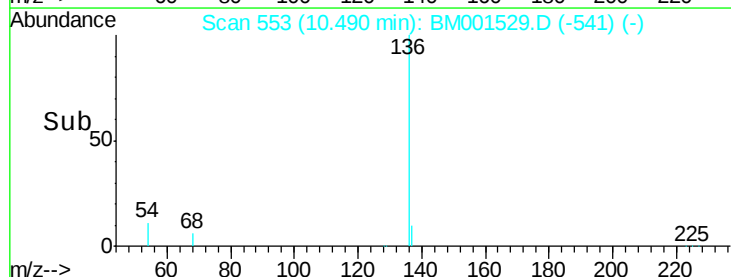
137 10.5 9.1 13.7

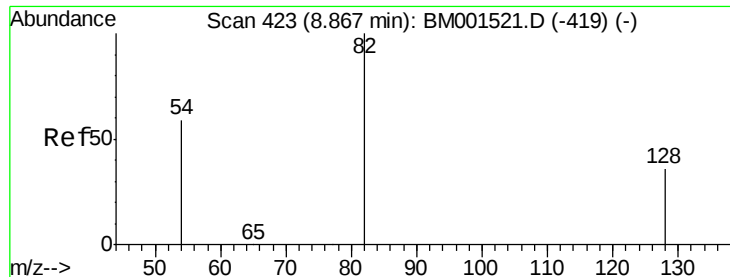
54 11.2 4.3 6.5#

68 6.6 2.6 4.0#



Abundance Ion 136.00 (135.70 to 136.70): BM001529.D (-541) (-)





#7

Nitrobenzene-d5

Concen: 10.50 ng

RT: 8.87 min Scan# 423

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

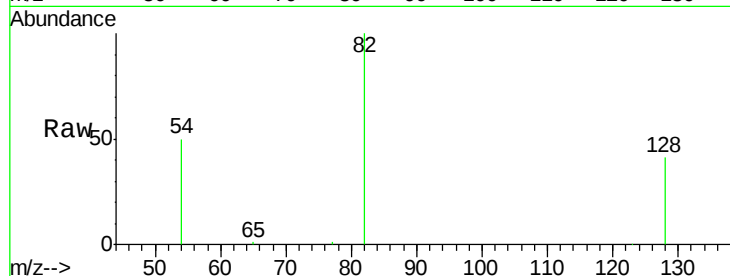
Tgt Ion: 82 Resp: 35998

Ion Ratio Lower Upper

82 100

128 40.5 30.2 45.4

54 50.4 52.9 79.3#

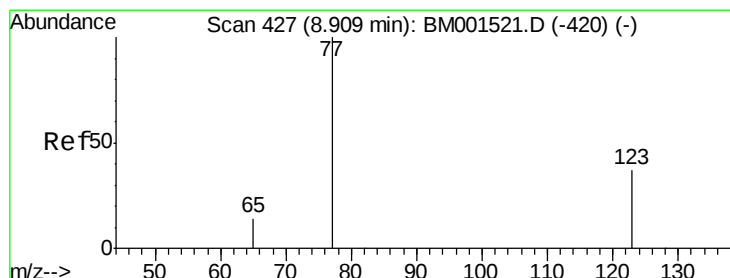
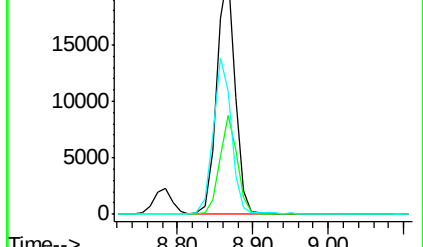
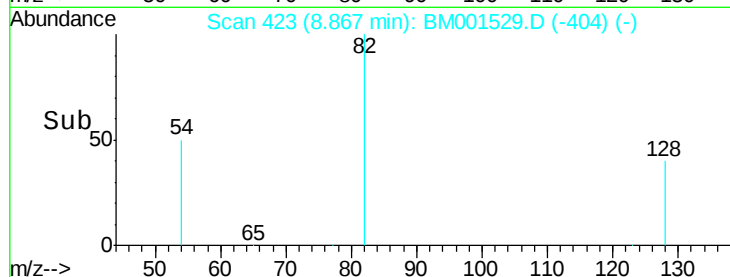


Abundance Ion 82.00 (81.70 to 82.70): BM001521.D (-419) (-)

Ion 128.00 (127.70 to 128.70): BM001521.D (-419) (-)

Ion 54.00 (53.70 to 54.70): BM001521.D (-419) (-)

Time-->



#8

Nitrobenzene

Concen: 11.18 ng

RT: 8.91 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

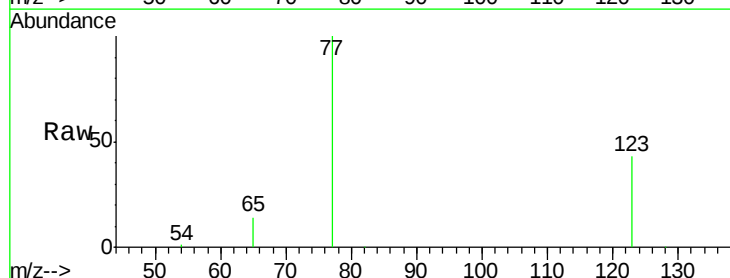
Tgt Ion: 77 Resp: 40710

Ion Ratio Lower Upper

77 100

123 40.9 33.7 50.5

65 14.5 11.3 16.9

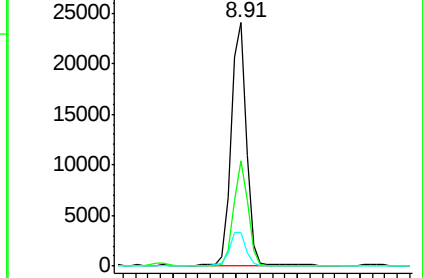
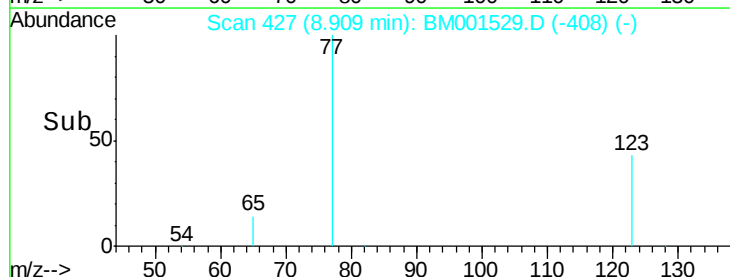


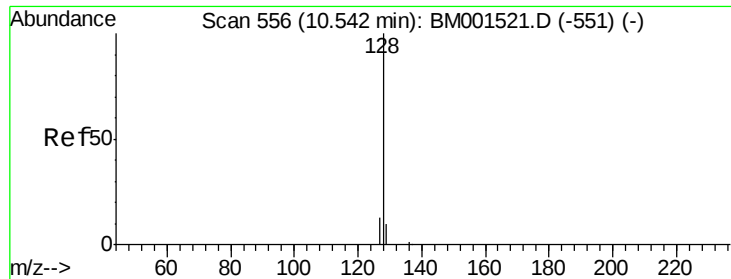
Abundance Ion 77.00 (76.70 to 77.70): BM001521.D (-420) (-)

Ion 123.00 (122.70 to 123.70): BM001521.D (-420) (-)

Ion 65.00 (64.70 to 65.70): BM001521.D (-420) (-)

Time-->





#9

Naphthalene

Concen: 9.35 ng

RT: 10.54 min Scan# 556

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

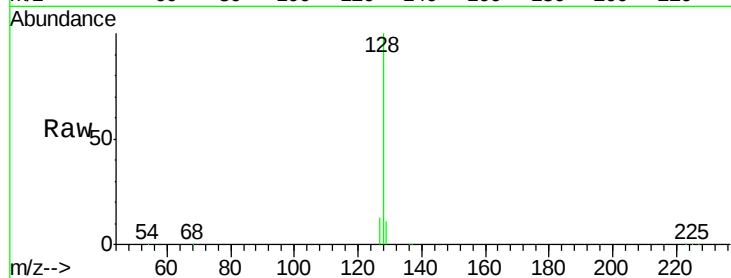
Tgt Ion:128 Resp: 108684

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

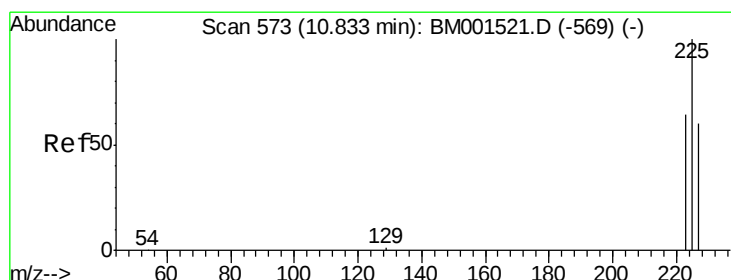
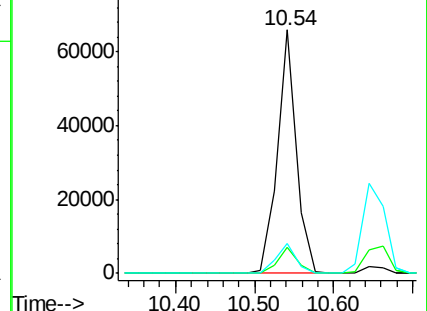
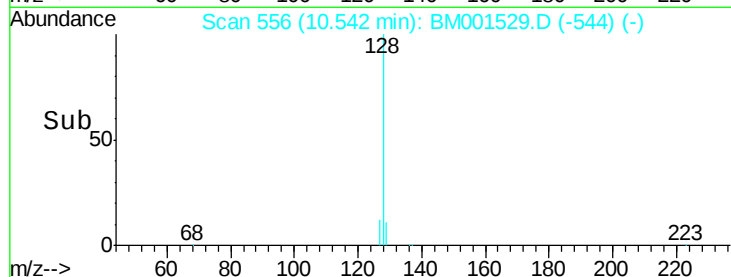
127 12.5 11.7 17.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 9.61 ng

RT: 10.83 min Scan# 573

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

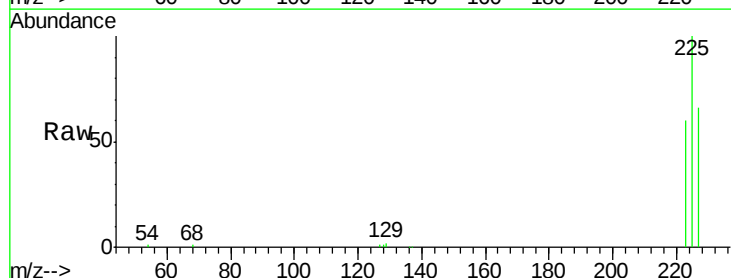
Tgt Ion:225 Resp: 19487

Ion Ratio Lower Upper

225 100

223 63.0 50.2 75.2

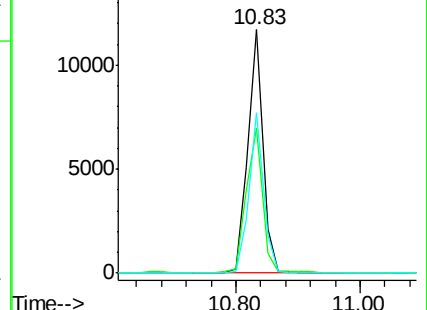
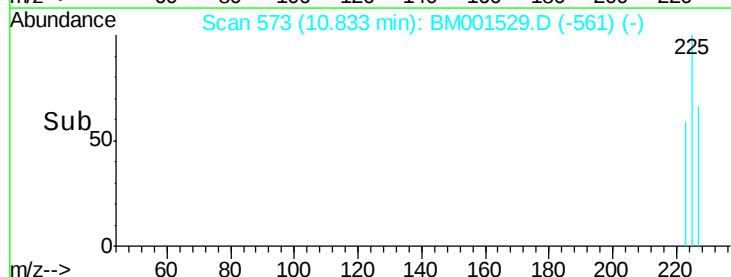
227 63.6 51.1 76.7

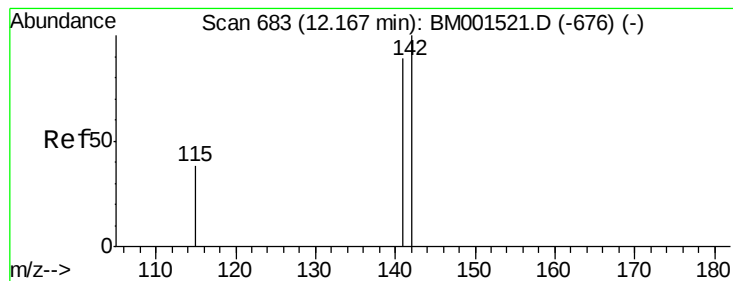


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 9.90 ng

RT: 12.16 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

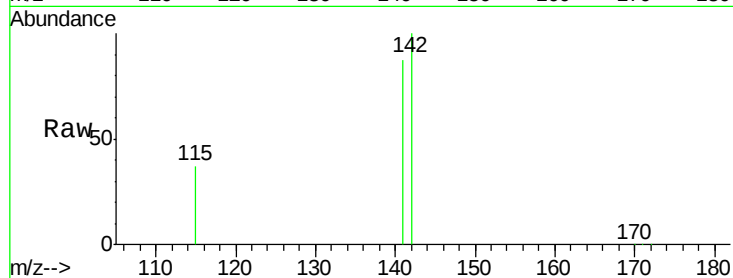
Tgt Ion:142 Resp: 72210

Ion Ratio Lower Upper

142 100

141 87.1 72.6 109.0

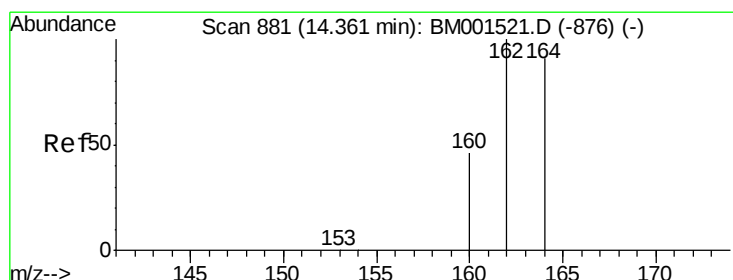
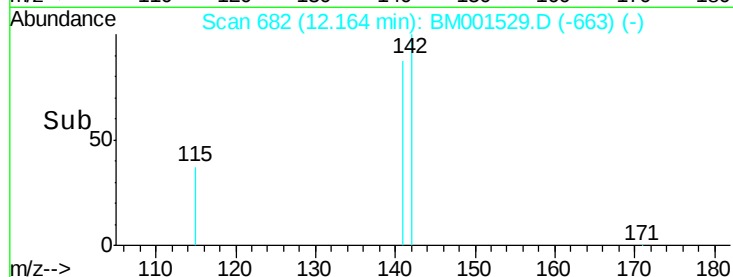
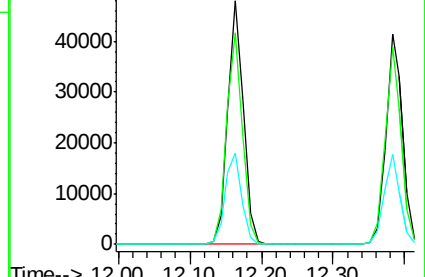
115 37.5 31.2 46.8



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.36 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

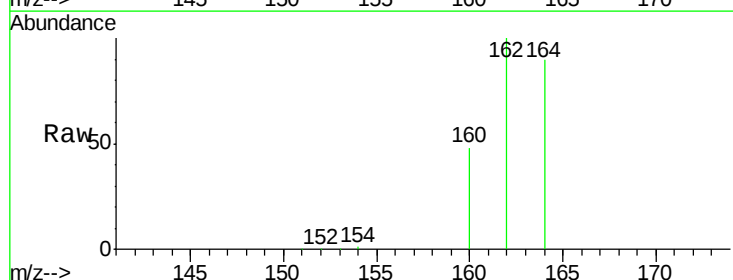
Tgt Ion:164 Resp: 25885

Ion Ratio Lower Upper

164 100

162 111.1 83.4 125.2

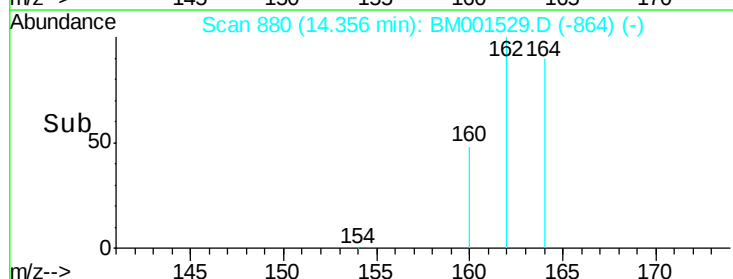
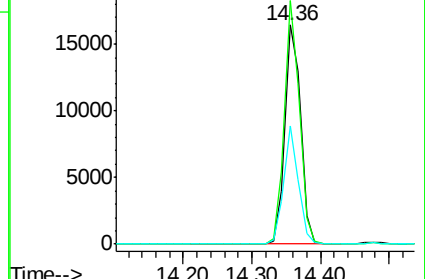
160 53.7 36.9 55.3

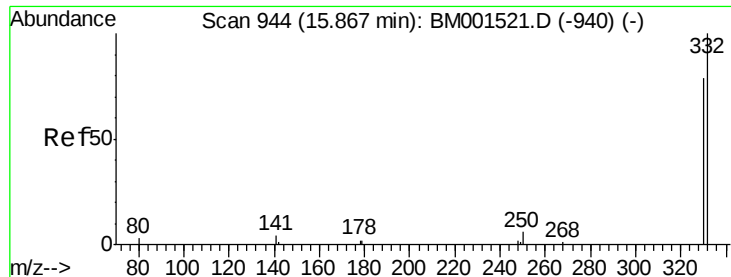


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

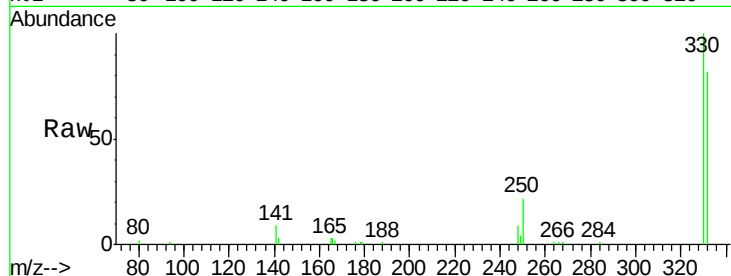




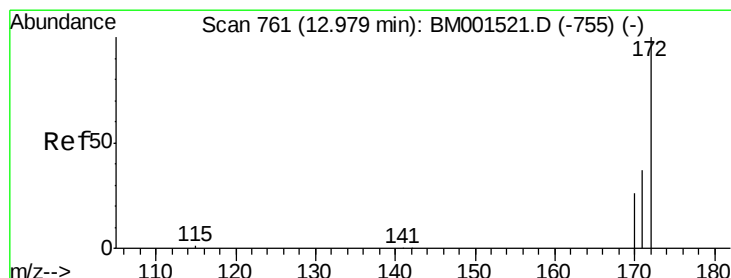
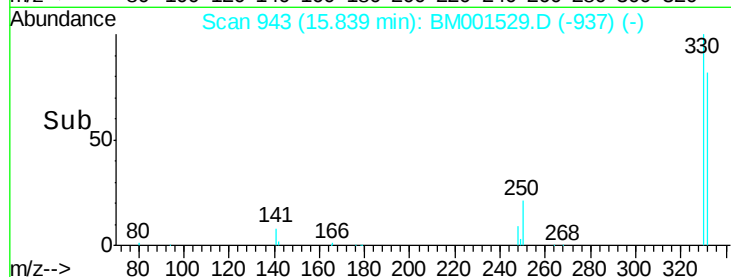
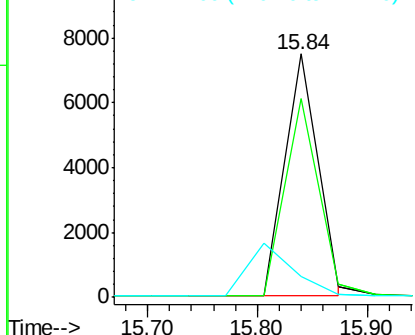
#13  
 2,4,6-Tribromophenol  
 Concen: 32.72 ng  
 RT: 15.84 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BM001529.D  
 Acq: 03 Jun 2015 00:49

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

Tgt Ion:330 Resp: 15794  
 Ion Ratio Lower Upper  
 330 100  
 332 83.4 90.3 135.5#  
 141 0.0 0.0 0.0

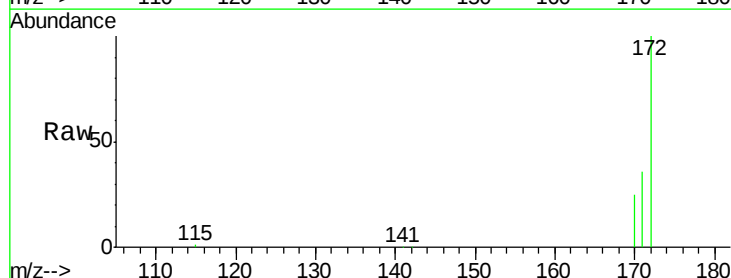


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

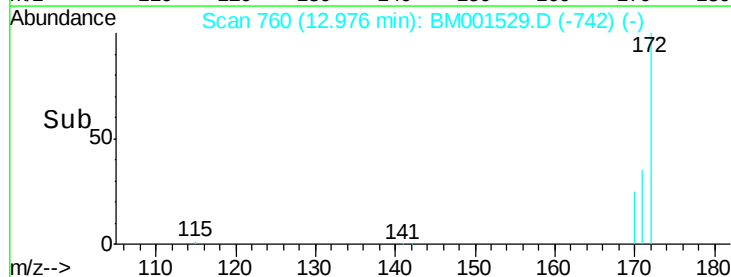
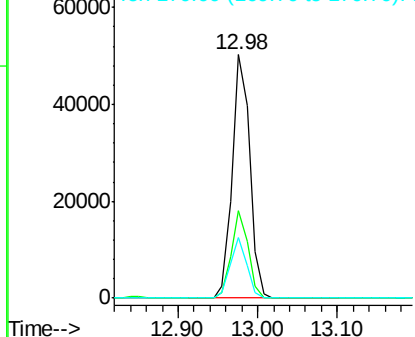


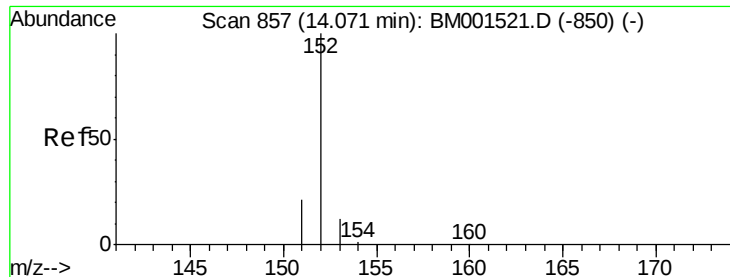
#14  
 2-Fluorobiphenyl  
 Concen: 9.86 ng  
 RT: 12.98 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BM001529.D  
 Acq: 03 Jun 2015 00:49

Tgt Ion:172 Resp: 76667  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.4 44.0  
 170 24.9 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 10.37 ng

RT: 14.08 min Scan# 857

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

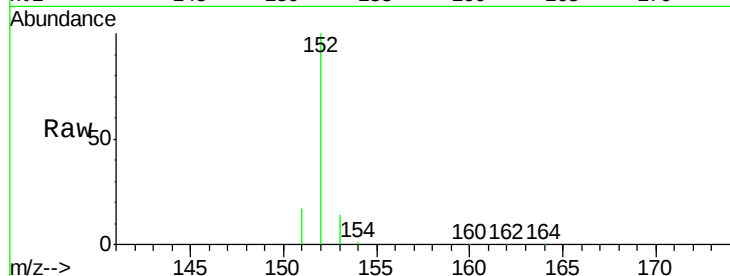
Tgt Ion:152 Resp: 114681

Ion Ratio Lower Upper

152 100

151 19.1 15.1 22.7

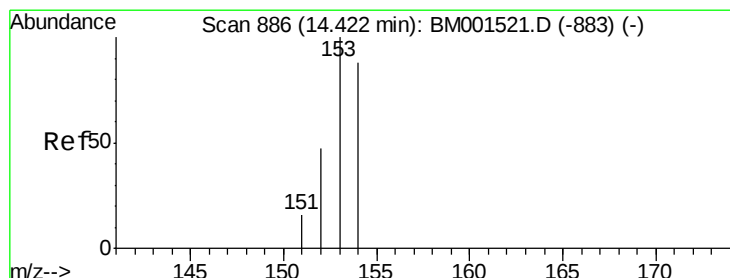
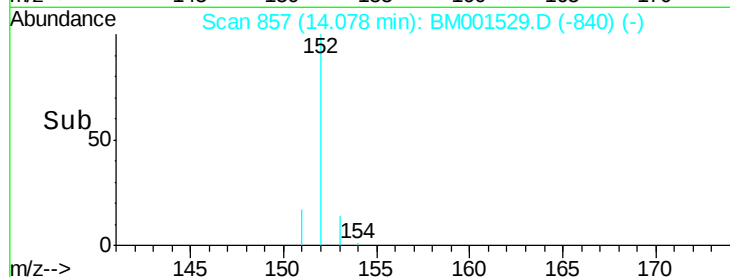
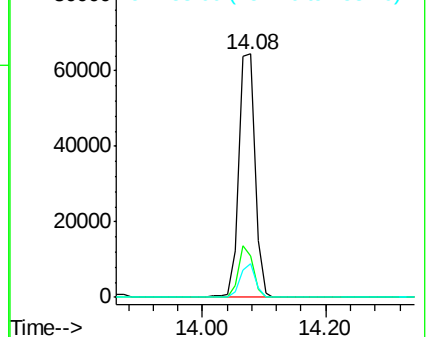
153 12.8 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 9.40 ng

RT: 14.42 min Scan# 885

Delta R.T. -0.01 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

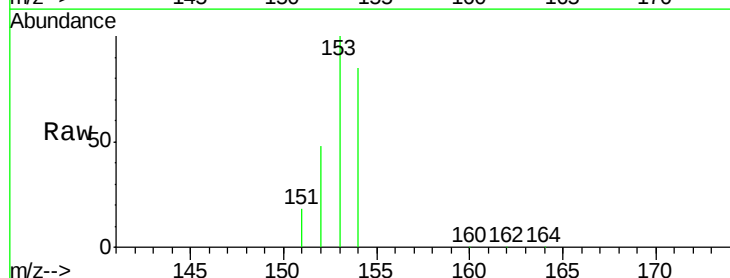
Tgt Ion:154 Resp: 64977

Ion Ratio Lower Upper

154 100

153 112.7 91.4 137.2

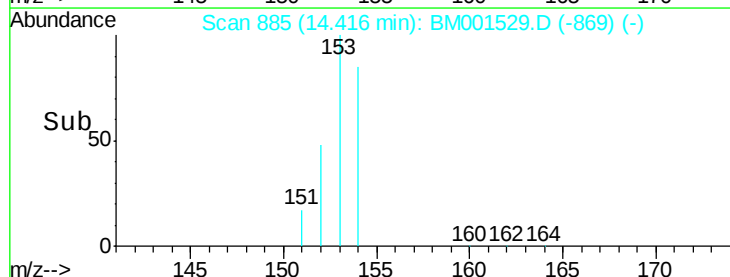
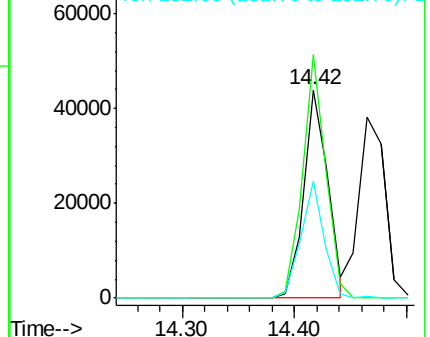
152 54.2 44.0 66.0

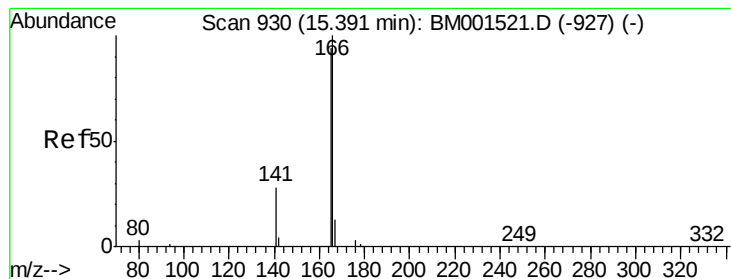


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 5.35 ng

RT: 15.40 min Scan# 930

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

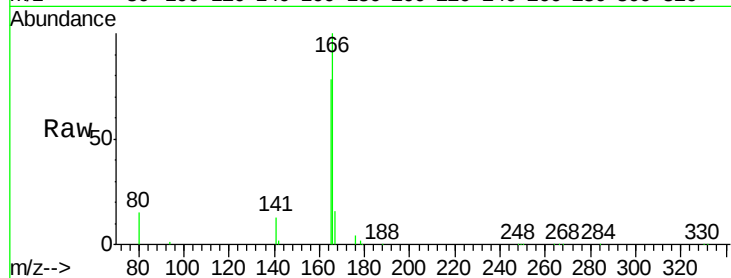
Tgt Ion:166 Resp: 61641

Ion Ratio Lower Upper

166 100

165 83.6 72.6 108.8

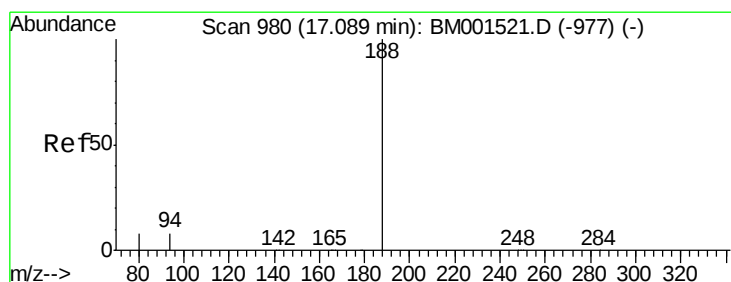
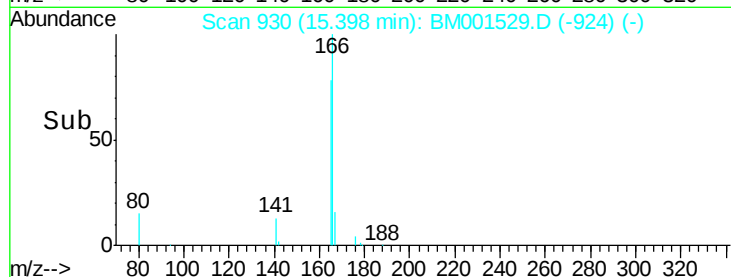
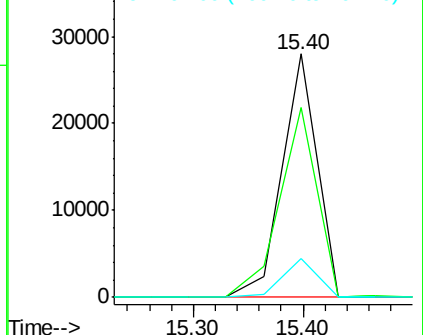
167 15.2 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.10 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

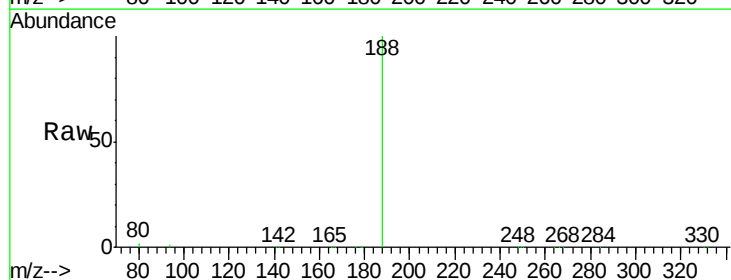
Tgt Ion:188 Resp: 67872

Ion Ratio Lower Upper

188 100

94 1.5 3.0 4.4#

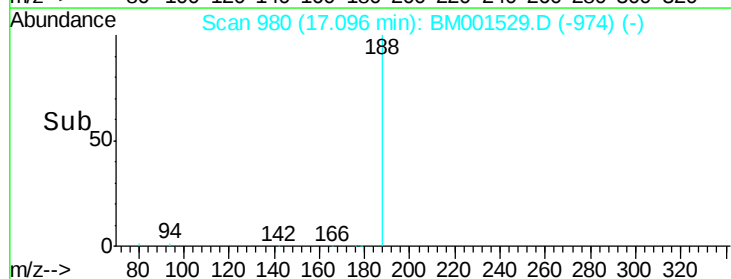
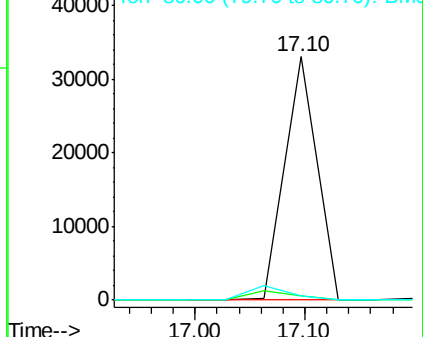
80 1.6 2.5 3.7#

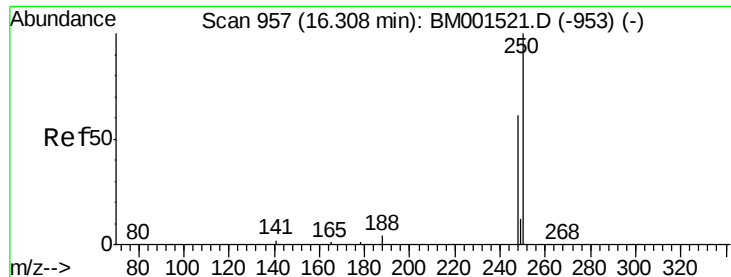


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

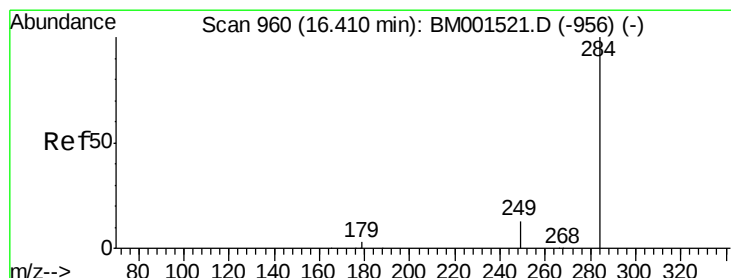
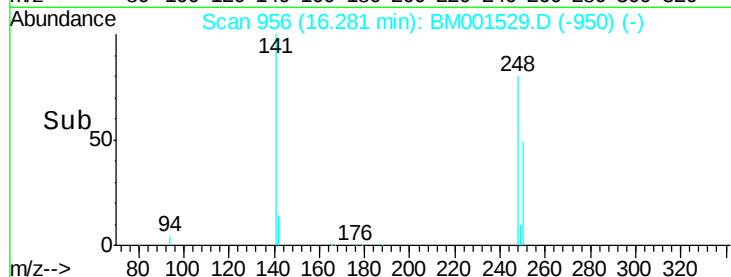
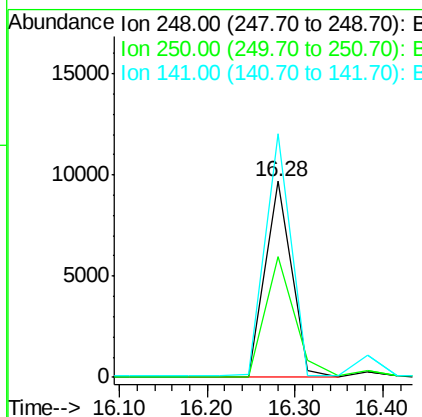
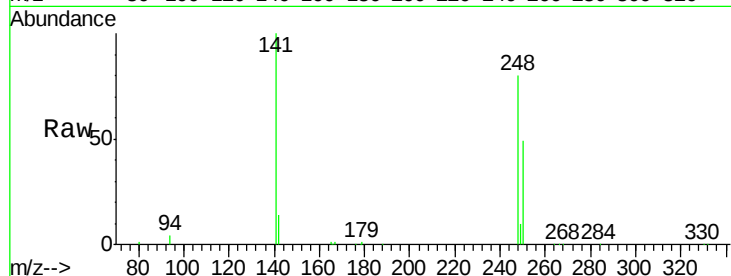




#19  
4-Bromophenyl-phenylether  
Concen: 21.44 ng  
RT: 16.28 min Scan# 956  
Delta R.T. 0.00 min  
Lab File: BM001529.D  
Acq: 03 Jun 2015 00:49

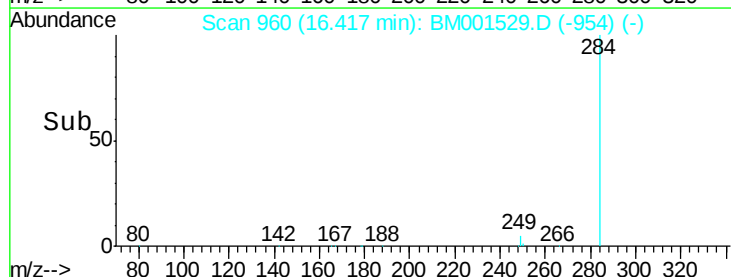
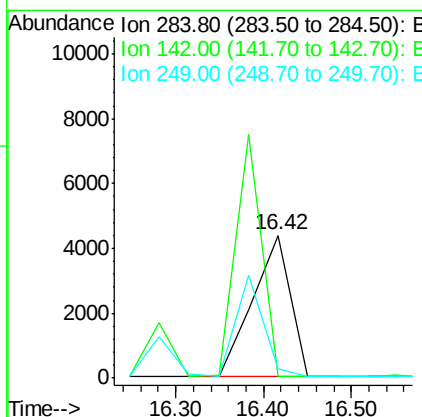
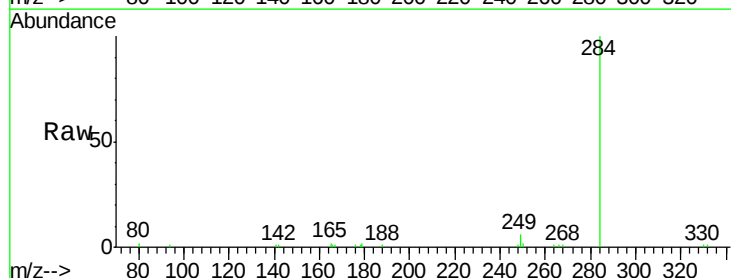
Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

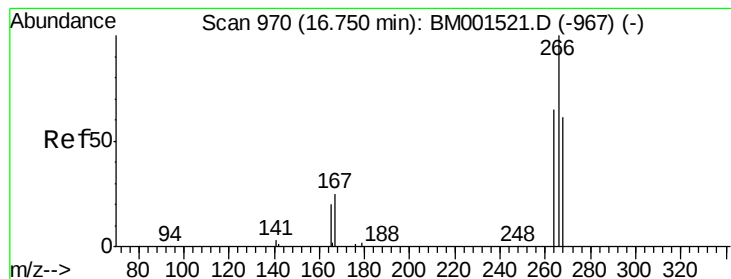
Tgt Ion:248 Resp: 20266  
Ion Ratio Lower Upper  
248 100  
250 67.6 76.8 115.2#  
141 121.6 57.7 86.5#



#20  
Hexachlorobenzene  
Concen: 5.15 ng  
RT: 16.42 min Scan# 960  
Delta R.T. 0.00 min  
Lab File: BM001529.D  
Acq: 03 Jun 2015 00:49

Tgt Ion:284 Resp: 13087  
Ion Ratio Lower Upper  
284 100  
142 0.0 13.9 20.9#  
249 0.0 39.0 58.4#





#21

Pentachlorophenol

Concen: 81.84 ng

RT: 16.76 min Scan# 970

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

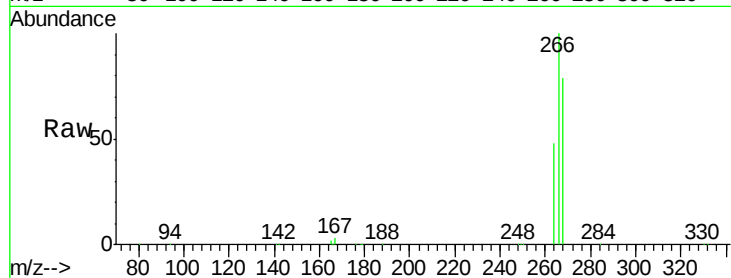
Tgt Ion:266 Resp: 122563

Ion Ratio Lower Upper

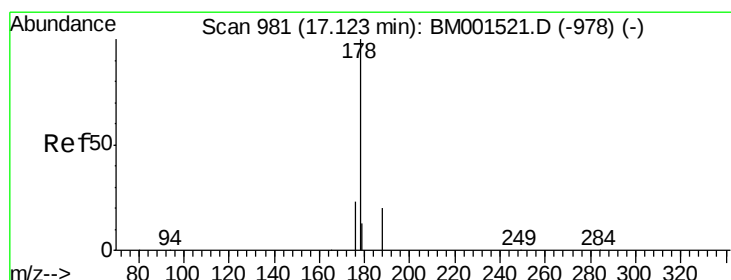
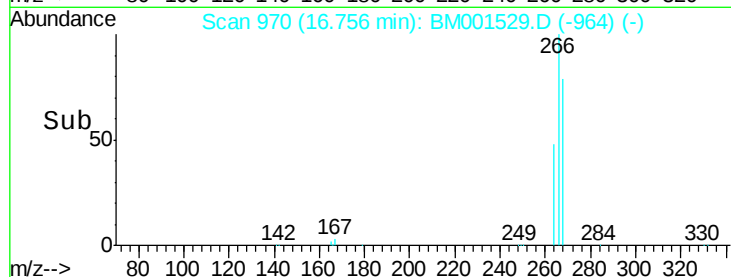
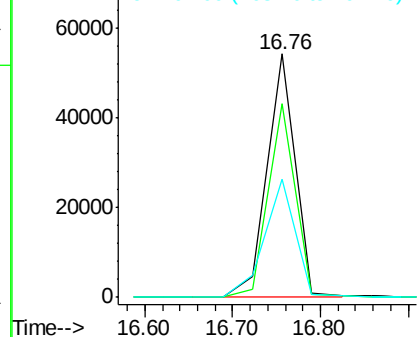
266 100

268 79.4 63.0 94.4

264 48.3 52.8 79.2#



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E



#22

Phenanthrene

Concen: 14.82 ng

RT: 17.13 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

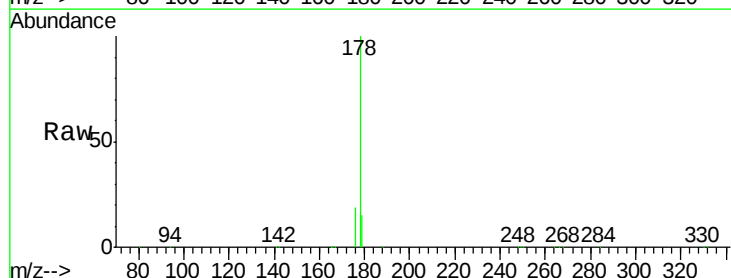
Tgt Ion:178 Resp: 175883

Ion Ratio Lower Upper

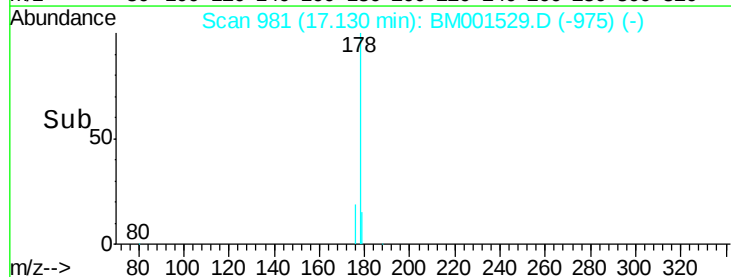
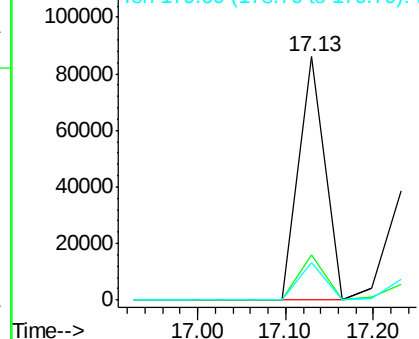
178 100

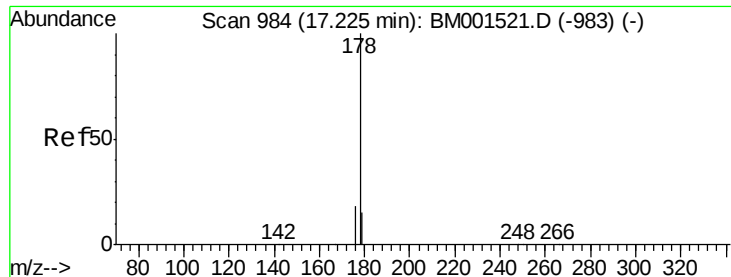
176 18.6 16.8 25.2

179 15.1 11.0 16.4



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





#23

Anthracene

Concen: 5.52 ng

RT: 17.23 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

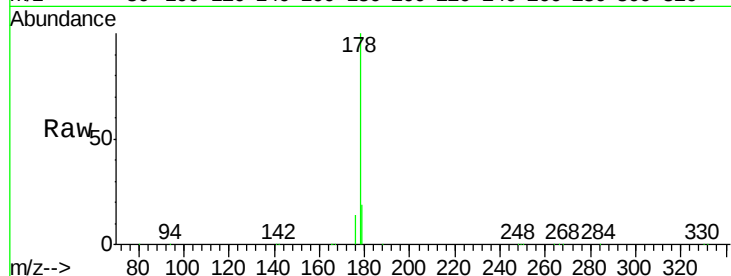
Tgt Ion:178 Resp: 79199

Ion Ratio Lower Upper

178 100

176 14.3 13.1 19.7

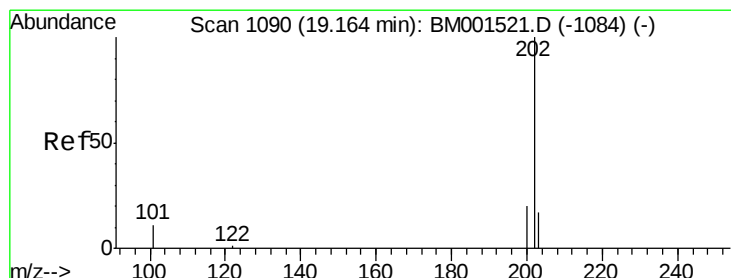
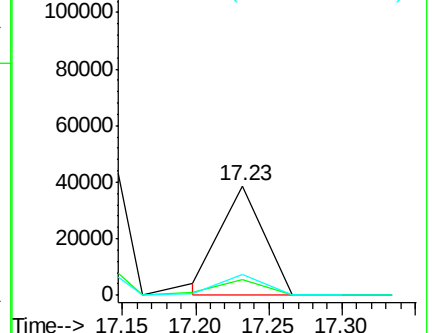
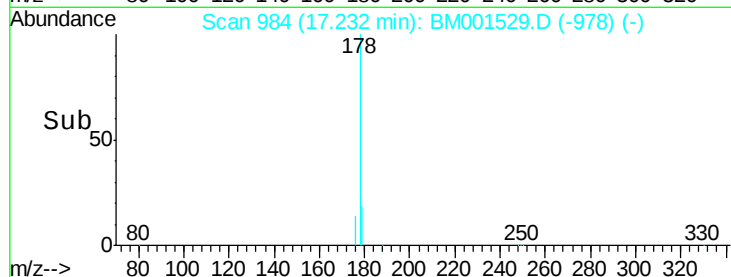
179 18.7 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 10.87 ng

RT: 19.16 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

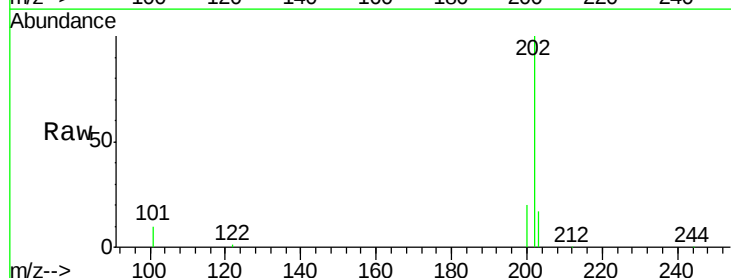
Tgt Ion:202 Resp: 129450

Ion Ratio Lower Upper

202 100

101 12.7 8.6 12.8

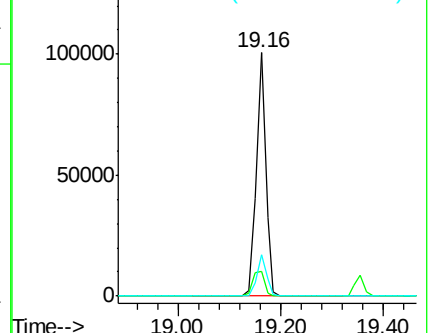
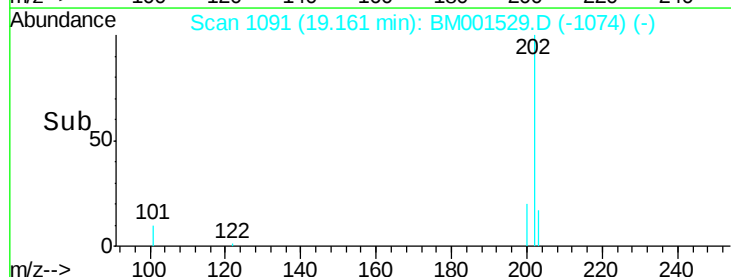
203 17.2 13.8 20.6

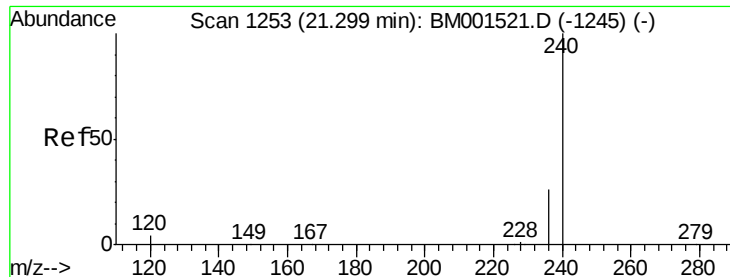


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

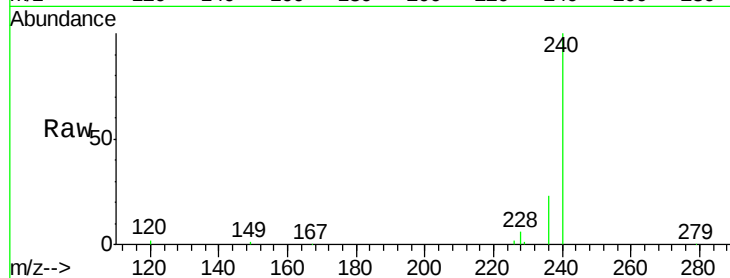
Tgt Ion:240 Resp: 42652

Ion Ratio Lower Upper

240 100

120 2.3 9.7 14.5#

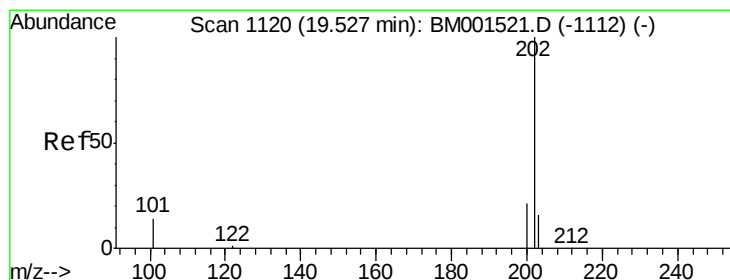
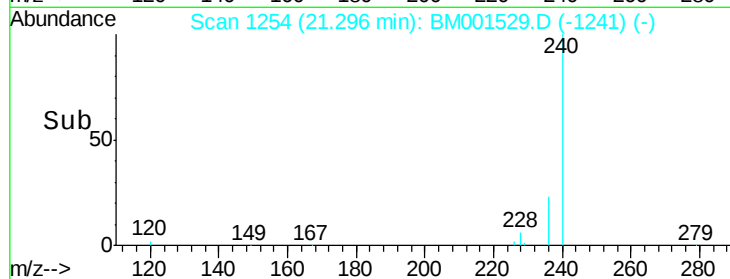
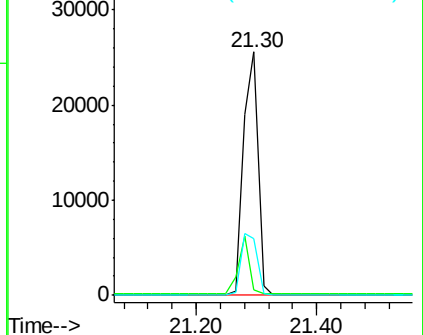
236 23.1 24.8 37.2#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 10.75 ng

RT: 19.52 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

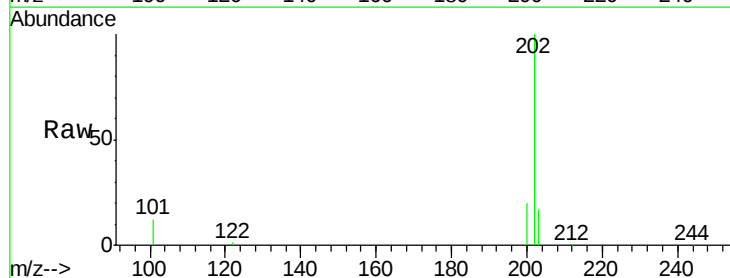
Tgt Ion:202 Resp: 138375

Ion Ratio Lower Upper

202 100

200 20.8 16.4 24.6

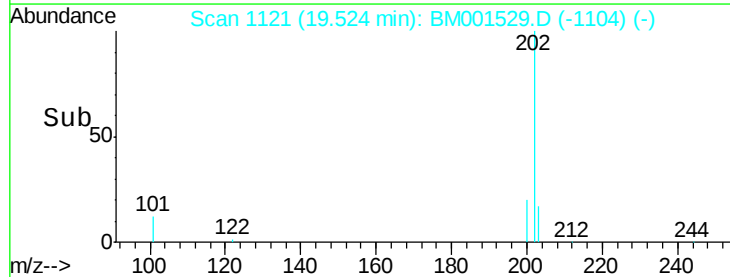
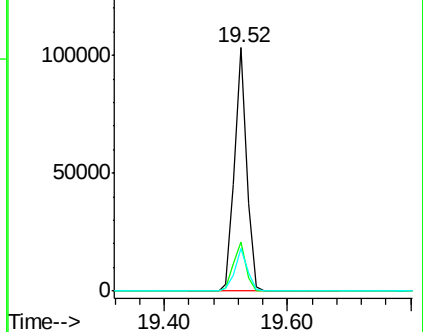
203 17.9 13.9 20.9

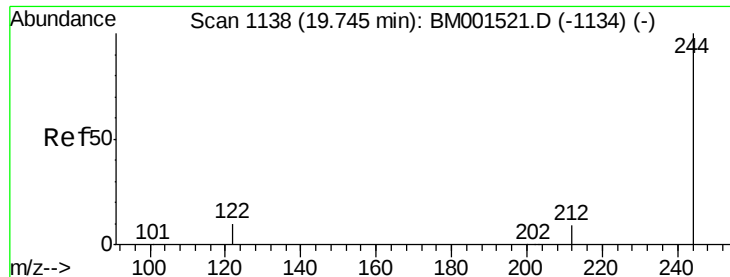


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

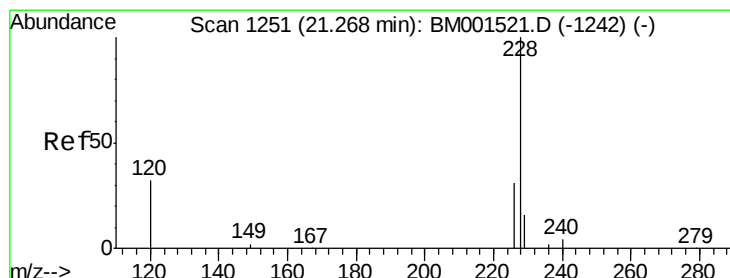
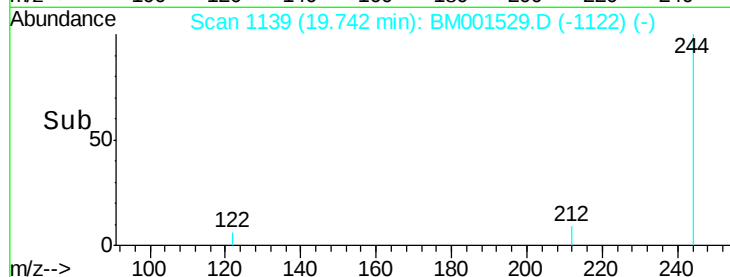
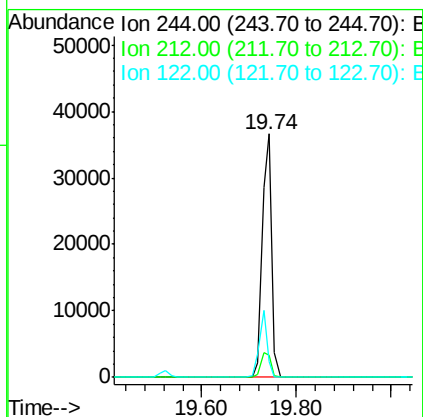
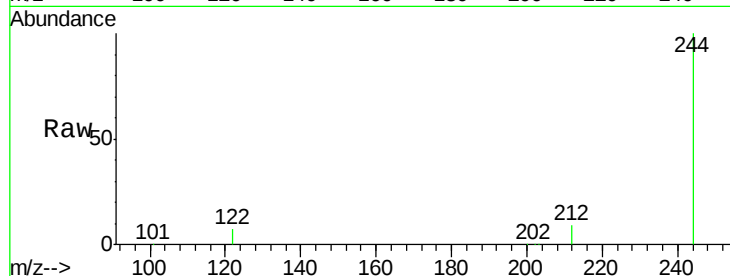




#27  
 Terphenyl-d14  
 Concen: 9.84 ng  
 RT: 19.74 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: BM001529.D  
 Acq: 03 Jun 2015 00:49

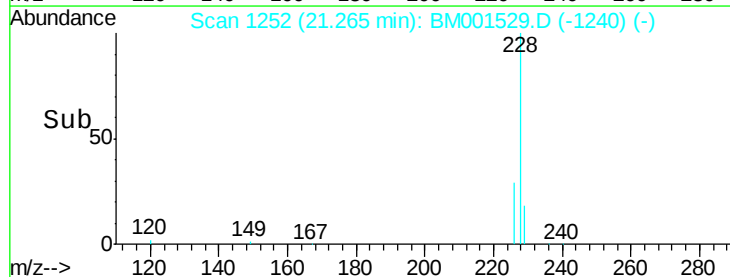
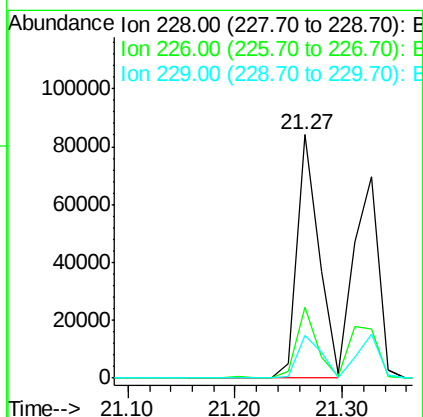
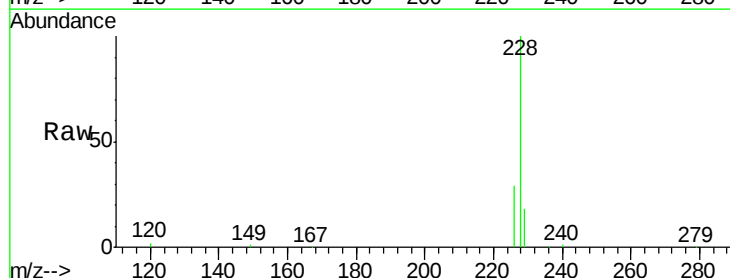
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

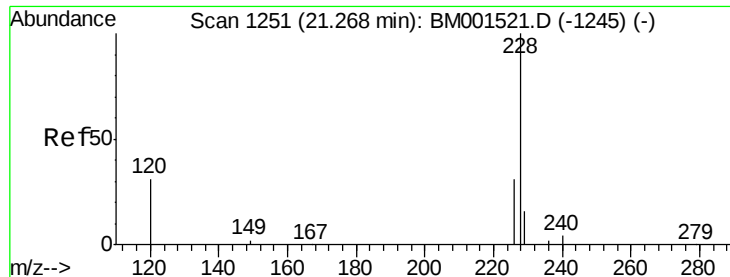
Tgt Ion:244 Resp: 51756  
 Ion Ratio Lower Upper  
 244 100  
 212 9.0 7.2 10.8  
 122 6.5 5.1 7.7



#28  
 Benzo(a)anthracene  
 Concen: 10.31 ng  
 RT: 21.27 min Scan# 1252  
 Delta R.T. -0.02 min  
 Lab File: BM001529.D  
 Acq: 03 Jun 2015 00:49

Tgt Ion:228 Resp: 118423  
 Ion Ratio Lower Upper  
 228 100  
 226 28.9 21.9 32.9  
 229 17.7 15.1 22.7





#29

Chrysene

Concen: 10.89 ng

RT: 21.27 min Scan# 1252

Delta R.T. -0.06 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

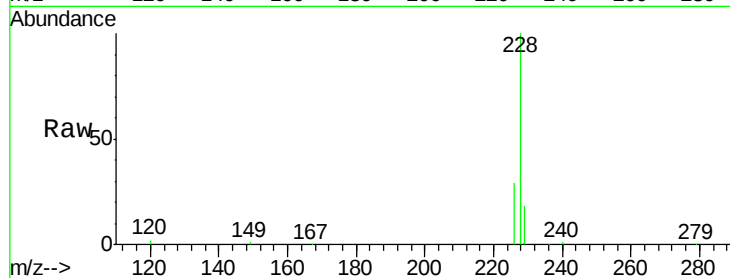
Tgt Ion:228 Resp: 118423

Ion Ratio Lower Upper

228 100

226 28.9 27.6 41.4

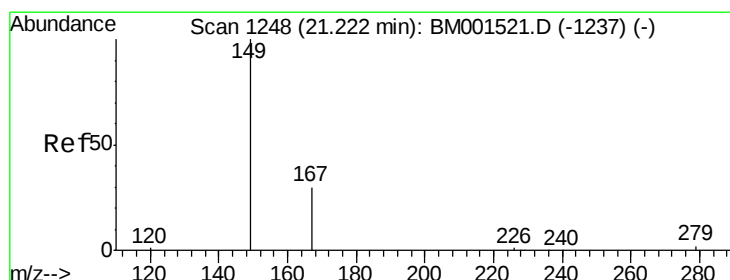
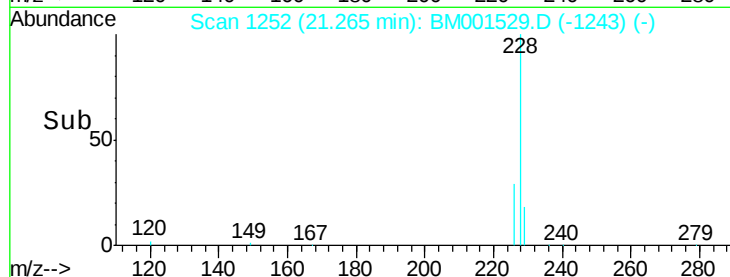
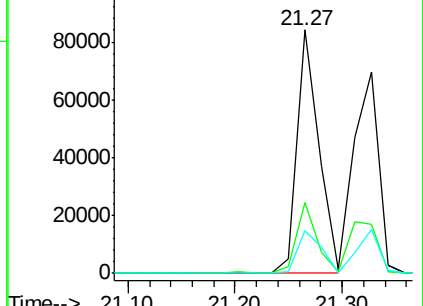
229 17.7 13.6 20.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 12.04 ng

RT: 21.20 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

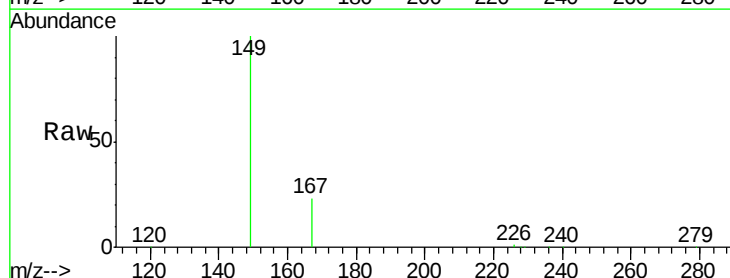
Tgt Ion:149 Resp: 97633

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.6

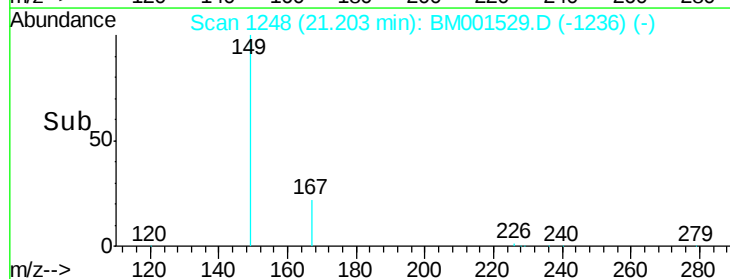
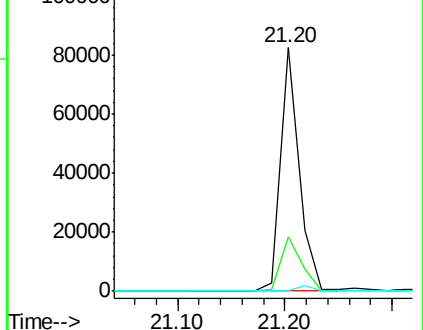
279 2.2 2.2 3.2

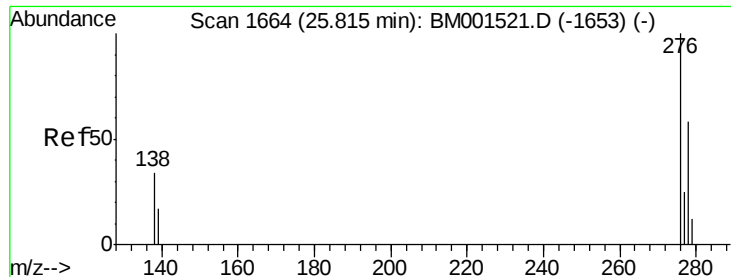


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 10.18 ng

RT: 25.80 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

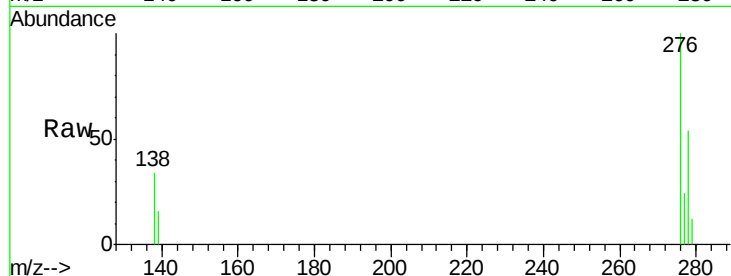
Tgt Ion: 276 Resp: 123058

Ion Ratio Lower Upper

276 100

138 35.4 23.4 35.0#

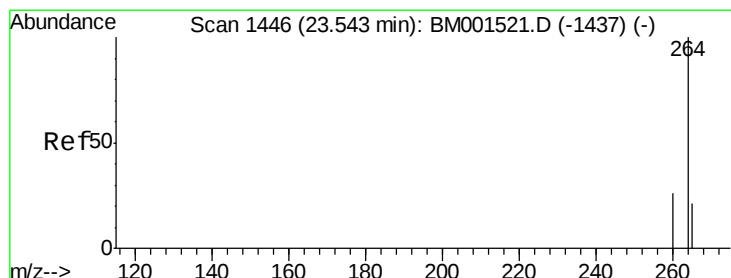
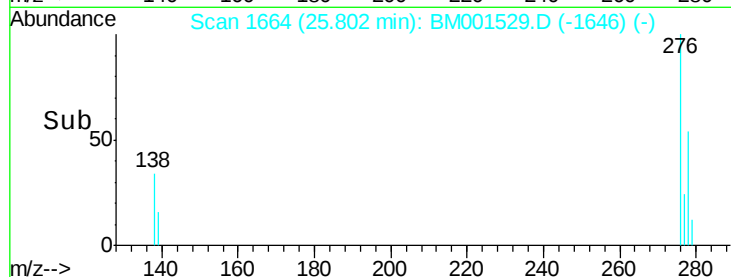
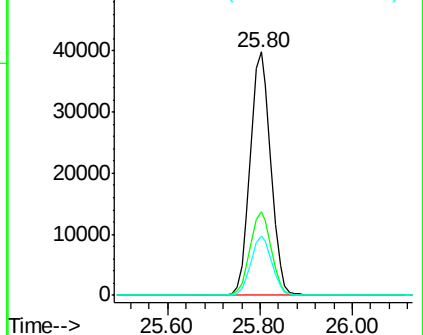
277 24.7 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.54 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

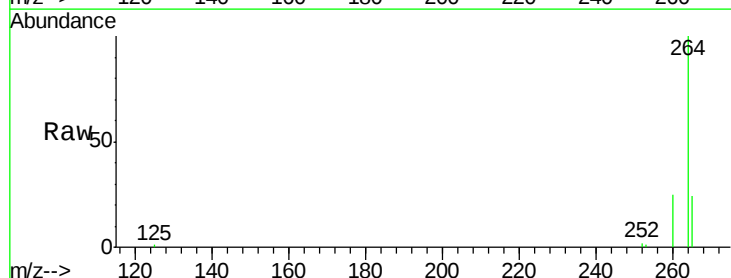
Tgt Ion: 264 Resp: 38326

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

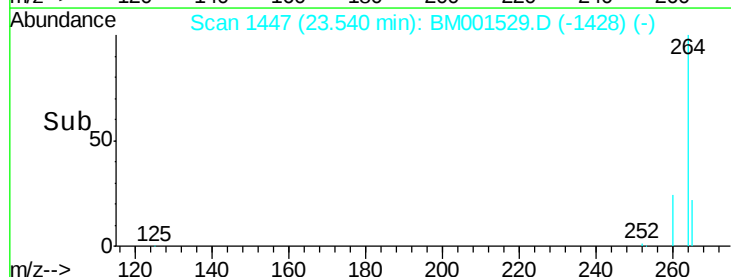
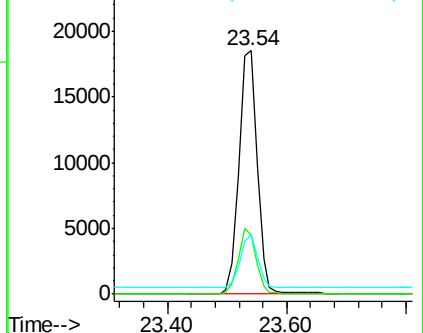
265 24.4 17.1 25.7

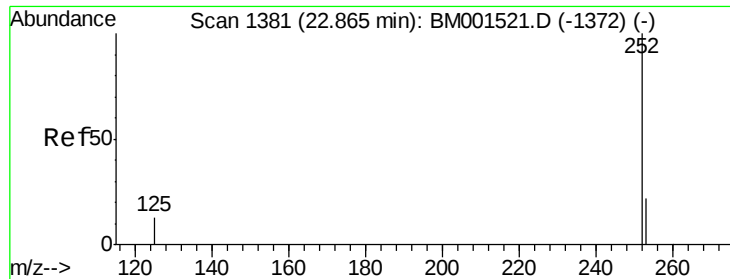


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 10.27 ng

RT: 22.85 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

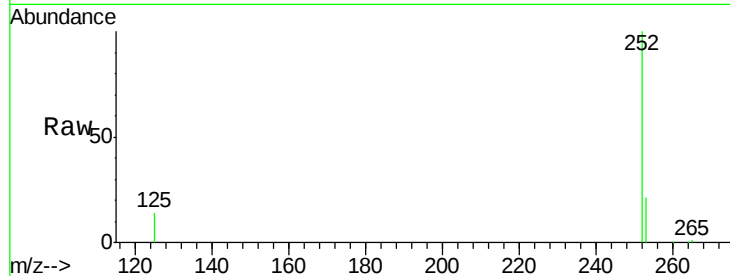
Tgt Ion:252 Resp: 112341

Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.0

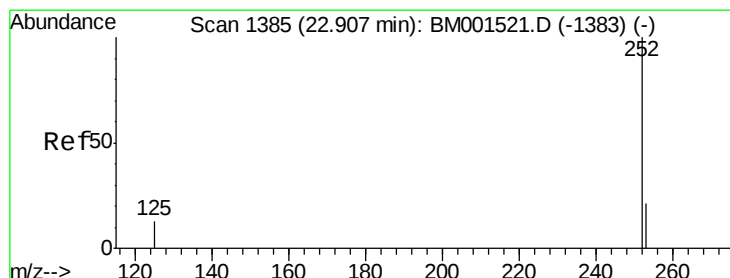
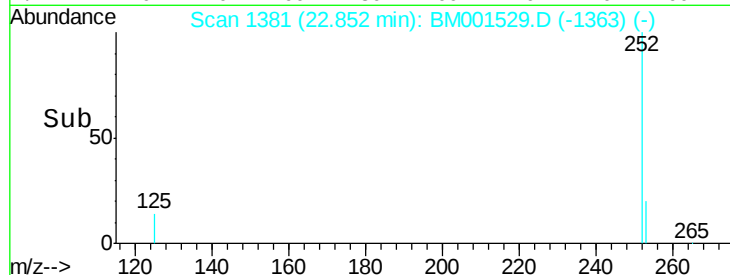
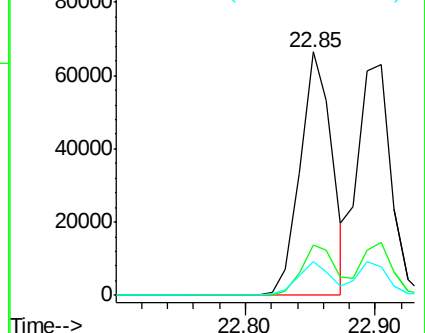
125 13.9 10.2 15.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 11.55 ng

RT: 22.90 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

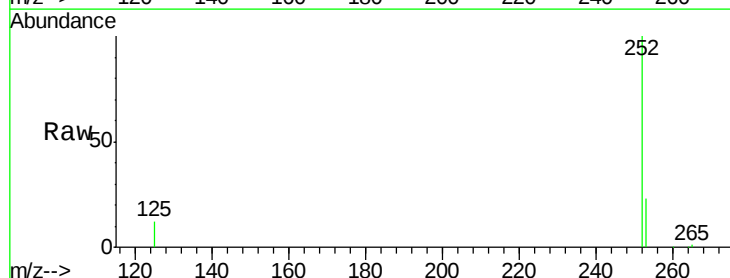
Tgt Ion:252 Resp: 110488

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

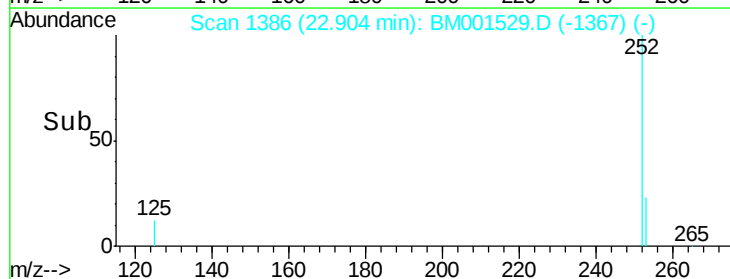
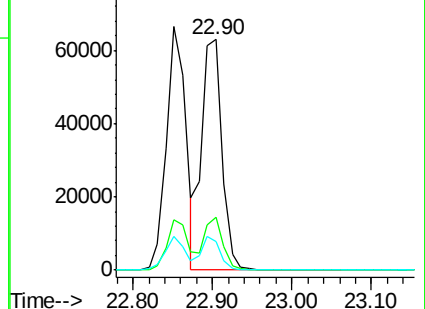
125 12.2 9.7 14.5

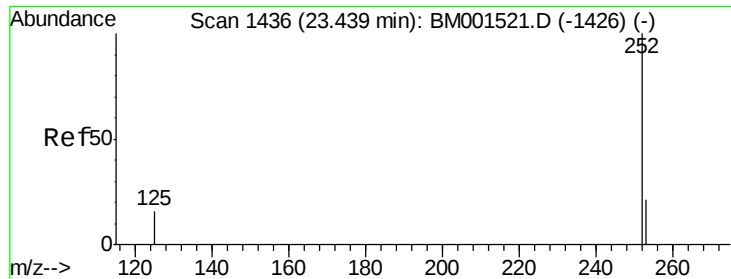


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 11.37 ng

RT: 23.44 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

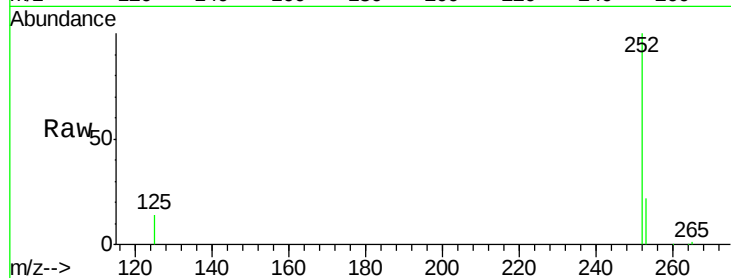
Tgt Ion:252 Resp: 106058

Ion Ratio Lower Upper

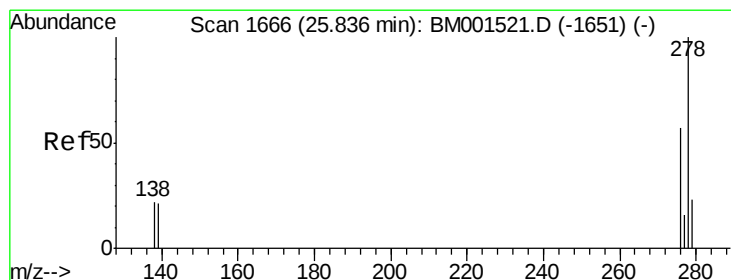
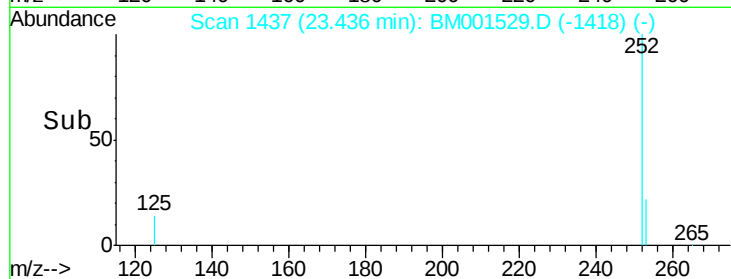
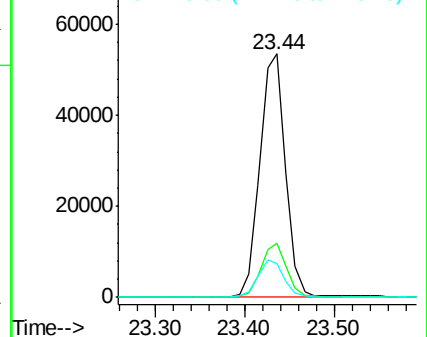
252 100

253 22.3 18.6 28.0

125 14.0 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 10.79 ng

RT: 25.82 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BM001529.D

Acq: 03 Jun 2015 00:49

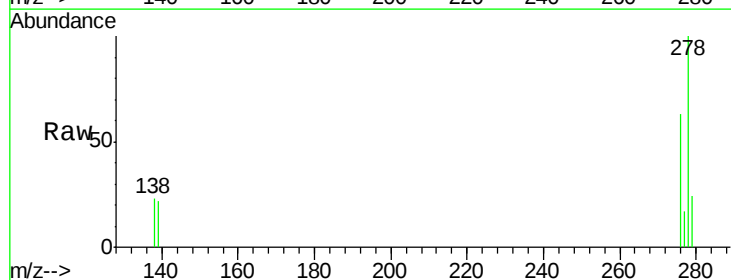
Tgt Ion:278 Resp: 100156

Ion Ratio Lower Upper

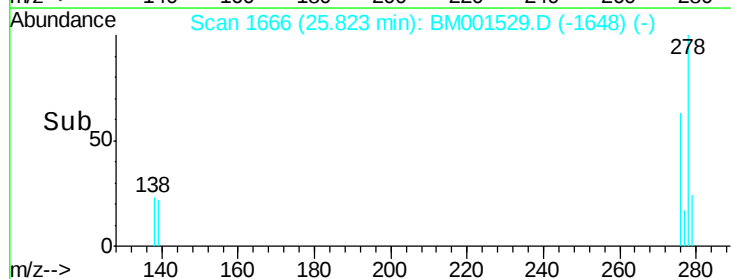
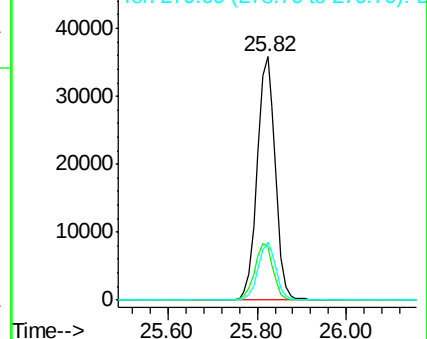
278 100

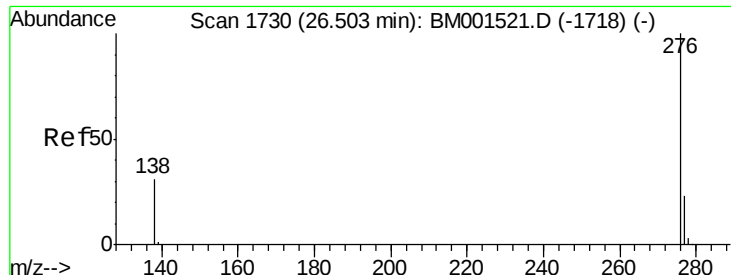
139 21.7 15.7 23.5

279 23.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 10.62 ng

RT: 26.50 min Scan# 1731

Delta R.T. 0.00 min

Lab File: BM001529.D

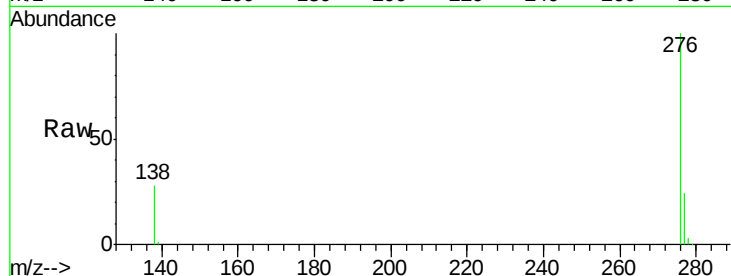
Acq: 03 Jun 2015 00:49

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD



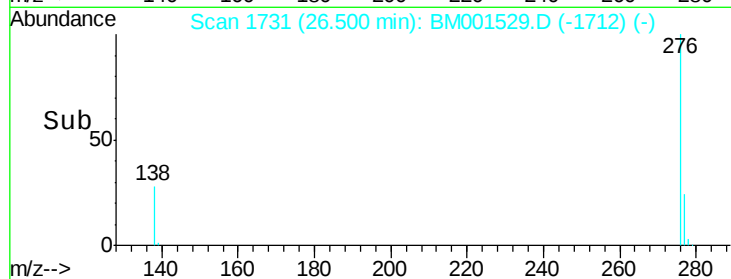
Tgt Ion: 276 Resp: 103142

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.6

138 28.1 20.2 30.2



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

