

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\  
 Data File : BF082269.D  
 Acq On : 13 Oct 2015 22:24  
 Operator : UM/IZ  
 Sample : G3997-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP214BR-26-27

Quant Time: Oct 14 01:22:28 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 14 01:15:23 2015  
 Response via : Initial Calibration

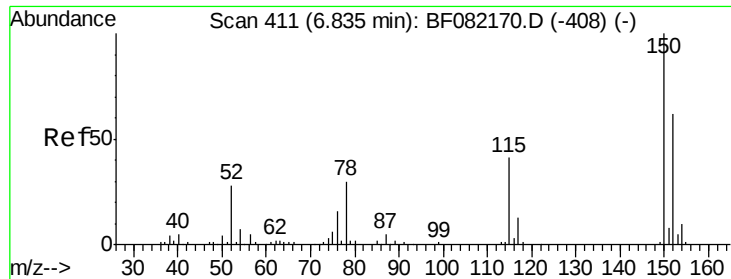
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 71238    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.11  | 136  | 279215   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 148981   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.37 | 188  | 261167   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 255995   | 20.00 | ng    | -0.09    |
| 86) Perylene-d12          | 15.57 | 264  | 226308   | 20.00 | ng    | -0.21    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.42  | 112 | 416063 | 117.87 | ng | 0.00  |
| 7) Phenol-d6                | 6.46  | 99  | 542946 | 118.20 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.39  | 82  | 333355 | 80.18  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330 | 138832 | 99.37  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.20  | 172 | 640685 | 71.32  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.96 | 244 | 687783 | 71.20  | ng | -0.02 |

|                                |       |     |         |           |    |        |
|--------------------------------|-------|-----|---------|-----------|----|--------|
| Target Compounds               |       |     |         |           |    | Qvalue |
| 15) Benzyl Alcohol             | 6.98  | 79  | 7227    | 2.28      | ng | # 52   |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70  | 45002   | 13.95     | ng | # 82   |
| 25) Isophorone                 | 7.39  | 82  | 289912  | 34.55     | ng | # 66   |
| 31) Naphthalene                | 8.15  | 128 | 1703574 | 140.75    | ng | 99     |
| 33) 4-Chloroaniline            | 8.15  | 127 | 239002  | 47.55     | ng | # 35   |
| 35) Caprolactam                | 8.54  | 113 | 2463    | 2.34      | ng | # 1    |
| 37) 2-Methylnaphthalene        | 8.83  | 142 | 1013358 | 120.77    | ng | 96     |
| 45) 1,1'-Biphenyl              | 9.29  | 154 | 210708  | 18.55     | ng | 99     |
| 47) 2-Nitroaniline             | 9.39  | 65  | 7217    | 2.94      | ng | # 41   |
| 48) Acenaphthylene             | 9.74  | 152 | 321176  | 23.05     | ng | # 96   |
| 49) Dimethylphthalate          | 9.60  | 163 | 152622  | 14.55     | ng | 98     |
| 50) 2,6-Dinitrotoluene         | 9.57  | 165 | 8382    | 3.79      | ng | # 1    |
| 51) Acenaphthene               | 9.91  | 154 | 691860  | 82.72     | ng | 100    |
| 53) 2,4-Dinitrophenol          | 10.06 | 184 | 235     | 6.57      | ng | # 1    |
| 54) Dibenzofuran               | 10.08 | 168 | 80211   | 6.99      | ng | # 86   |
| 55) 4-Nitrophenol              | 10.02 | 139 | 1432    | Below Cal |    | # 52   |
| 56) 2,4-Dinitrotoluene         | 10.08 | 165 | 20004   | 7.23      | ng | # 60   |
| 57) Fluorene                   | 10.43 | 166 | 929766  | 98.59     | ng | 94     |
| 66) 4-Bromophenyl-phenvlether  | 10.66 | 248 | 8878    | 3.40      | ng | # 1    |
| 70) Phenanthrene               | 11.41 | 178 | 2797159 | 218.50    | ng | 96     |
| 71) Anthracene                 | 11.45 | 178 | 1197052 | 90.75     | ng | 98     |
| 74) Fluoranthene               | 12.58 | 202 | 1155400 | 84.03     | ng | 95     |
| 77) Pyrene                     | 12.75 | 202 | 100811  | 6.64      | ng | 97     |
| 80) Benzo(a)anthracene         | 14.08 | 228 | 483027  | 36.26     | ng | 95     |
| 82) Chrysene                   | 14.08 | 228 | 492838  | 35.12     | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276 | 94414   | 8.46      | ng | 95     |
| 87) Benzo(b)fluoranthene       | 15.14 | 252 | 389208  | 28.27     | ng | 98     |
| 88) Benzo(k)fluoranthene       | 15.14 | 252 | 389208  | 33.63     | ng | # 96   |
| 89) Benzo(a)pyrene             | 15.50 | 252 | 355464  | 30.04     | ng | 99     |
| 90) Dibenzo(a,h)anthracene     | 17.00 | 278 | 28104   | 2.90      | ng | 97     |
| 91) Benzo(g,h,i)perylene       | 17.42 | 276 | 96506   | 10.24     | ng | 99     |

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



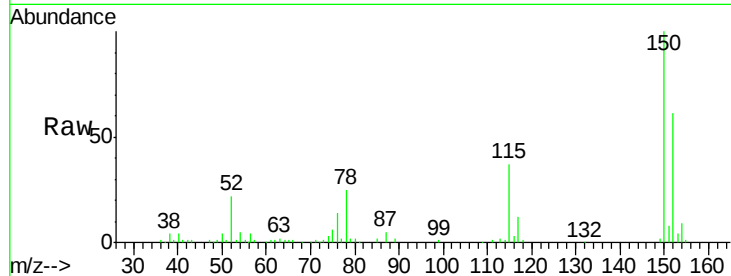


#1

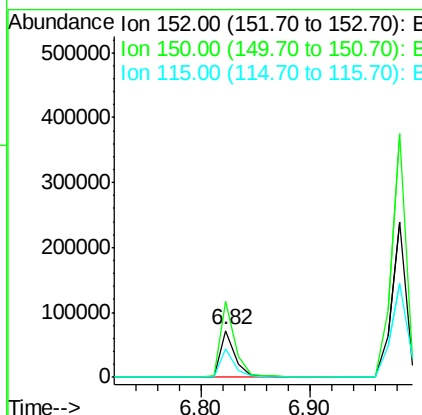
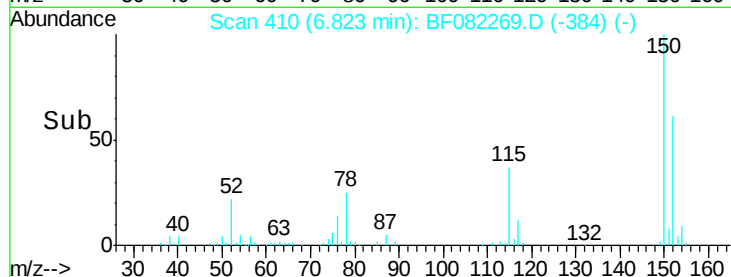
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 410  
Delta R.T. -0.00 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

Instrument :  
BNA\_F  
ClientSampleId :  
MGP214BR-26-27

Tot Ion:152 Resp: 71238  
Ion Ratio Lower Upper  
152 100  
150 163.1 129.0 193.4  
115 60.6 52.1 78.1



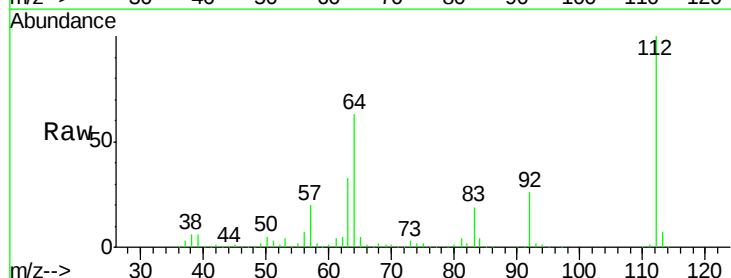
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



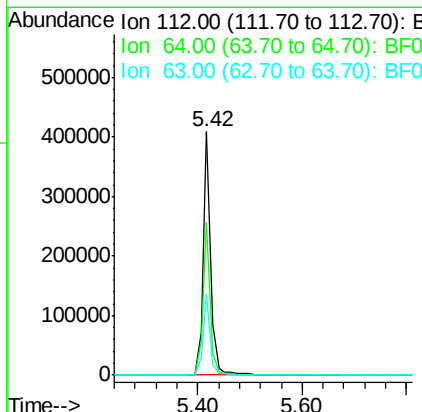
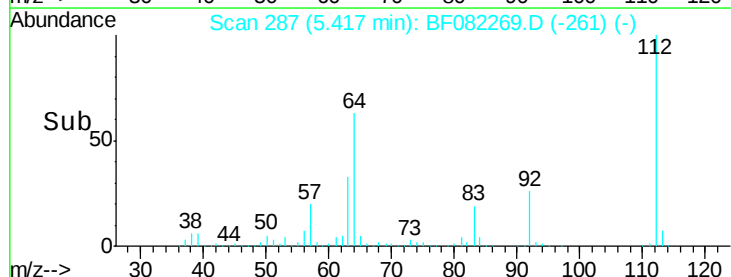
#5

2-Fluorophenol  
Concen: 117.87 ng  
RT: 5.42 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

Tgt Ion:112 Resp: 416063  
Ion Ratio Lower Upper  
112 100  
64 62.7 48.6 73.0  
63 33.3 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.20 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

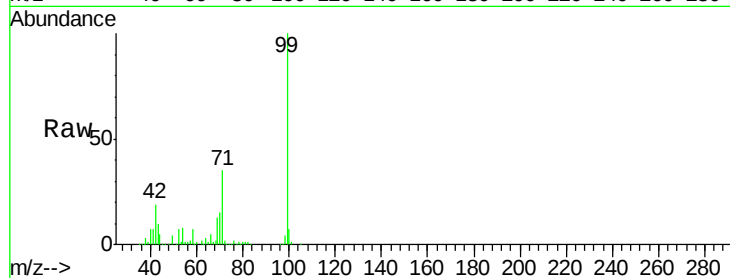
Tot Ion: 99 Resp: 542946

Ion Ratio Lower Upper

99 100

42 19.4 13.2 19.8

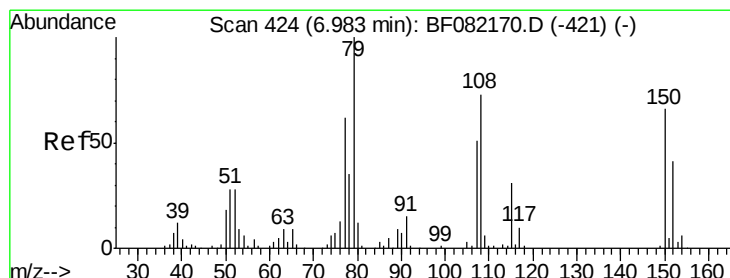
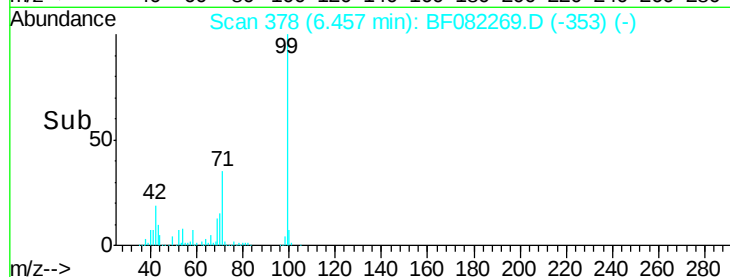
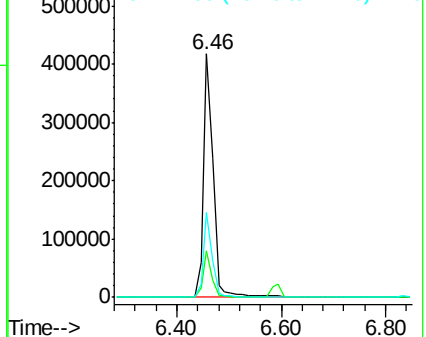
71 34.8 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.98 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

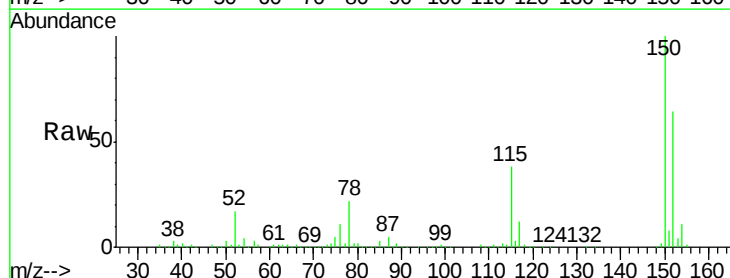
Tgt Ion: 79 Resp: 7227

Ion Ratio Lower Upper

79 100

108 33.5 58.4 87.6#

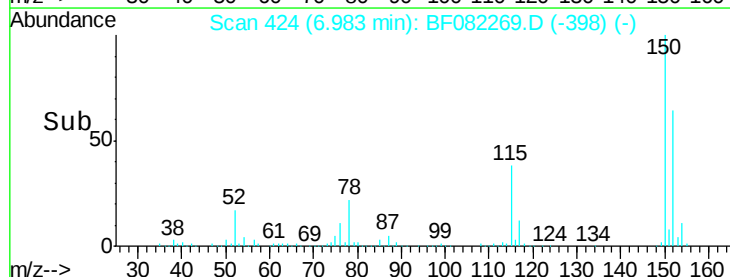
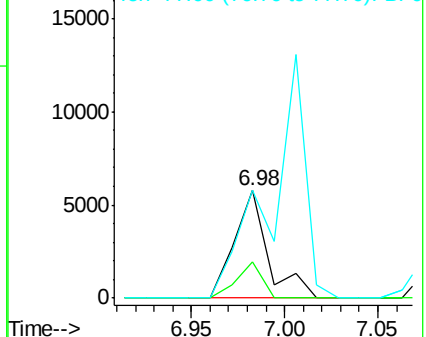
77 100.7 49.8 74.6#

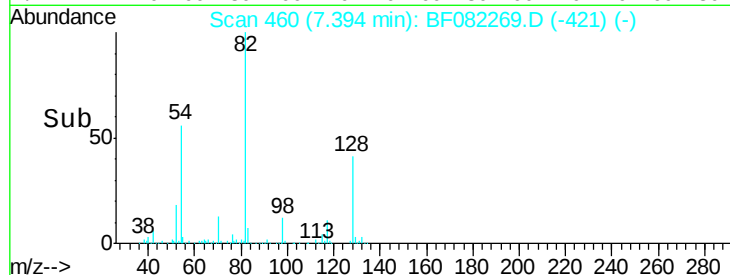
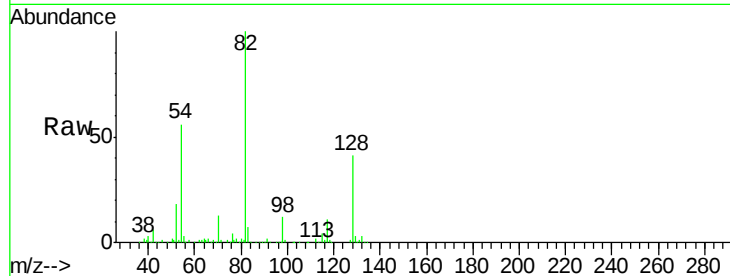


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

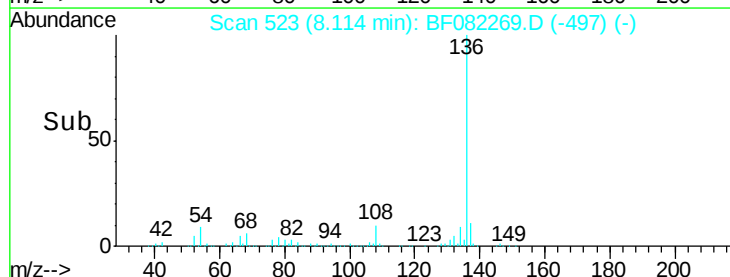
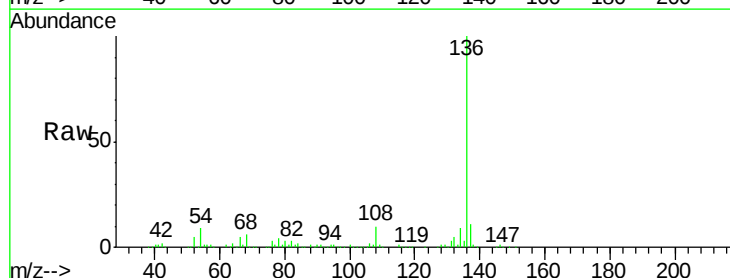
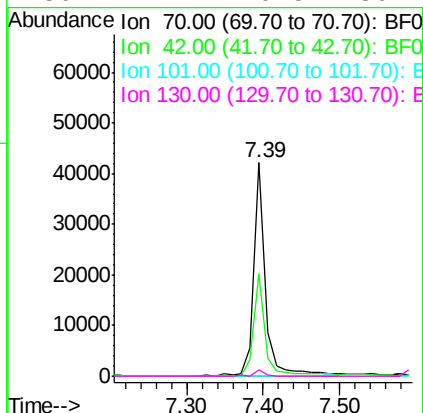




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.95 ng  
RT: 7.39 min Scan# 460  
Delta R.T. 0.15 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

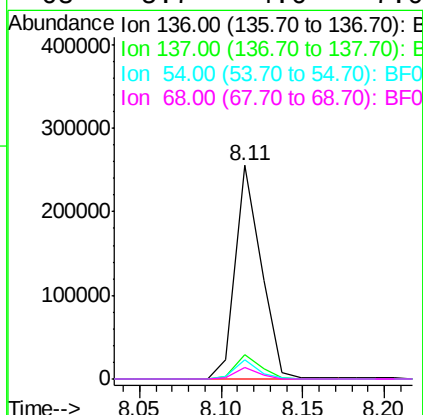
Instrument :  
BNA\_F  
ClientSampleId :  
MGP214BR-26-27

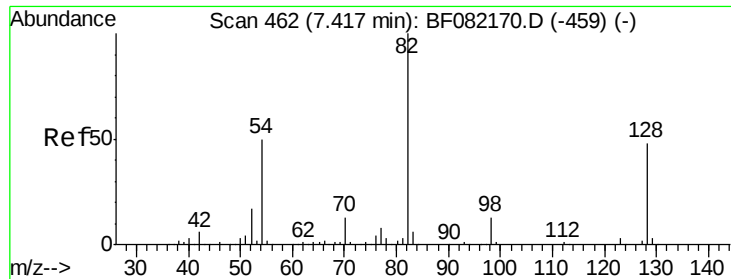
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 45002 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 48.2  | 39.8  | 59.8  |
| 101      | 0.0   | 8.6   | 13.0# |
| 130      | 2.7   | 20.5  | 30.7# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.11 min Scan# 523  
Delta R.T. -0.00 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 279215 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.0   | 13.6   |
| 54       | 8.8   | 7.5   | 11.3   |
| 68       | 5.7   | 4.6   | 7.0    |

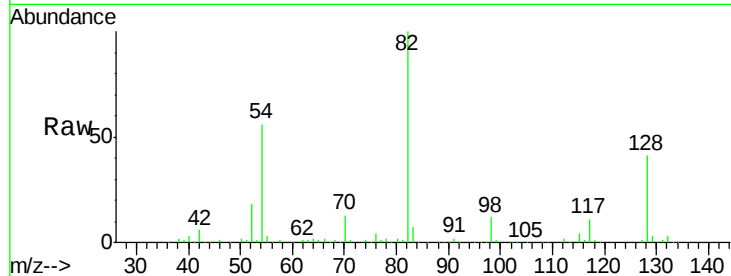




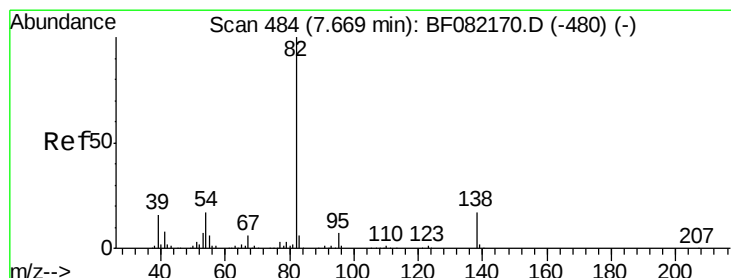
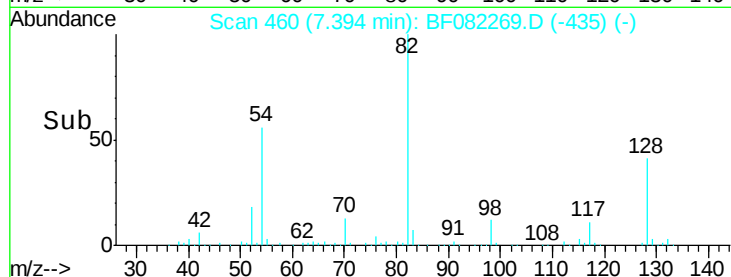
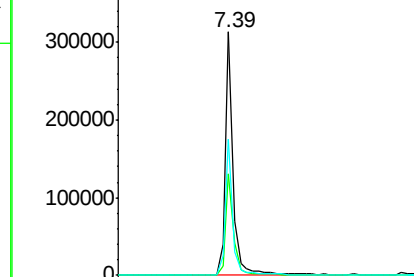
#23  
 Nitrobenzene-d5  
 Concen: 80.18 ng  
 RT: 7.39 min Scan# 460  
 Delta R.T. -0.01 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP214BR-26-27

Tot Ion: 82 Resp: 333355  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 38.7 58.1  
 54 55.9 40.1 60.1

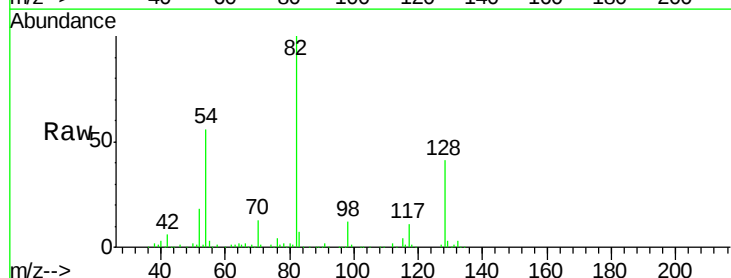


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

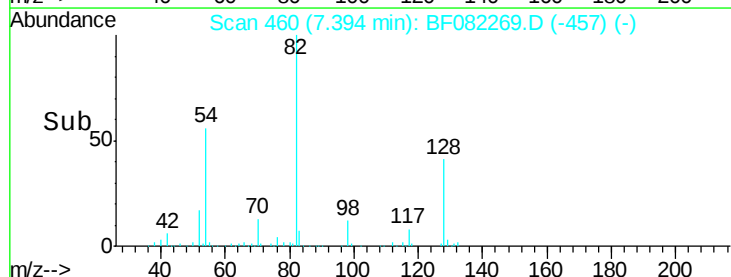
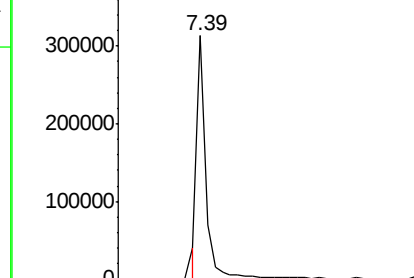


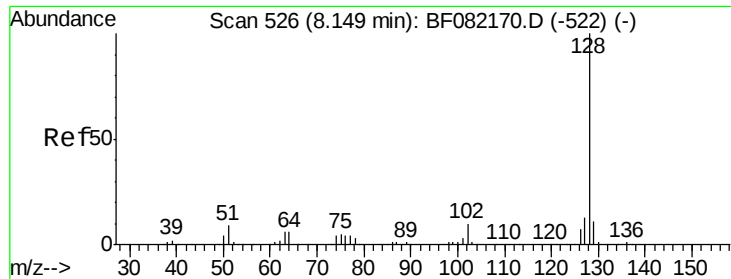
#25  
 Isophorone  
 Concen: 34.55 ng  
 RT: 7.39 min Scan# 460  
 Delta R.T. -0.26 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

Tgt Ion: 82 Resp: 289912  
 Ion Ratio Lower Upper  
 82 100  
 95 0.1 5.6 8.4#  
 138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0

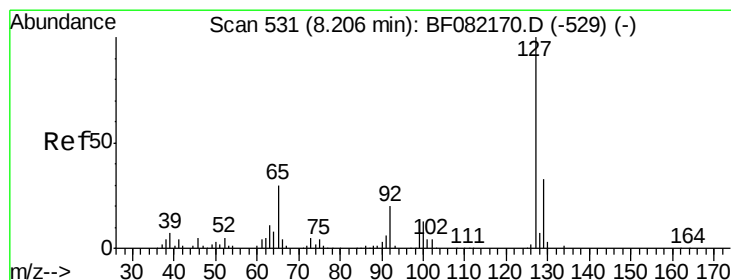
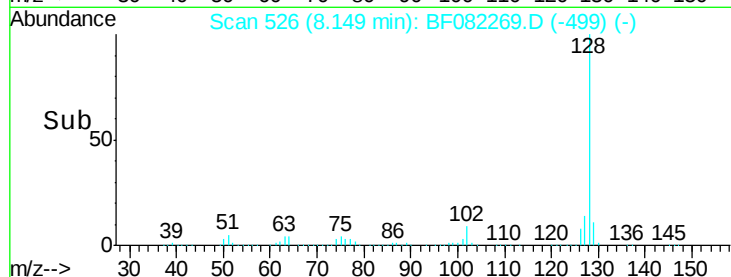
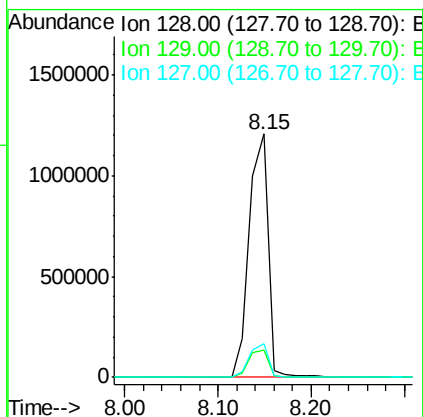
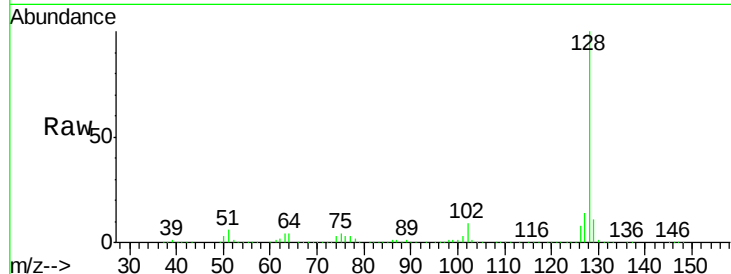




#31  
Naphthalene  
Concen: 140.75 ng  
RT: 8.15 min Scan# 526  
Delta R.T. 0.01 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

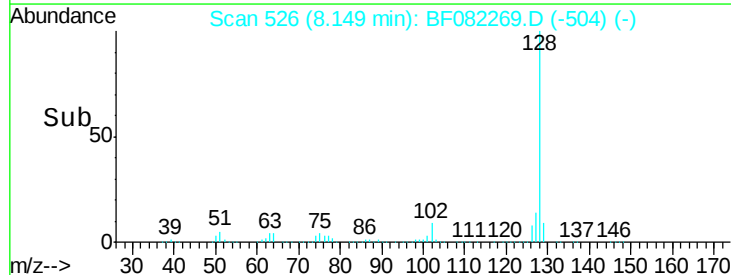
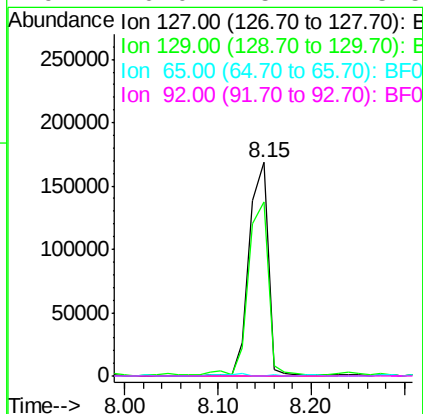
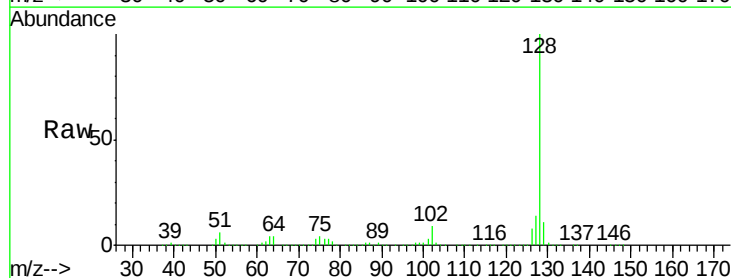
Instrument :  
BNA\_F  
ClientSampleId :  
MGP214BR-26-27

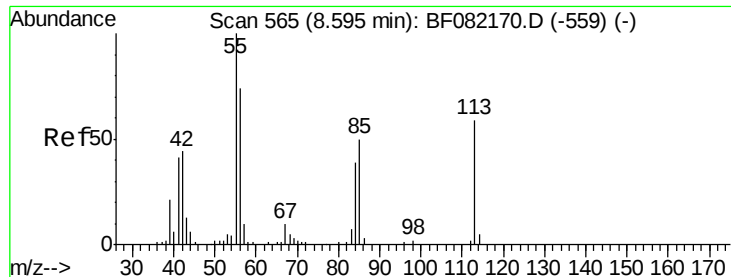
Tot Ion:128 Resp: 1703574  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 14.0 10.7 16.1



#33  
4-Chloroaniline  
Concen: 47.55 ng  
RT: 8.15 min Scan# 526  
Delta R.T. -0.05 min  
Lab File: BF082269.D  
Acq: 13 Oct 2015 22:24

Tgt Ion:127 Resp: 239002  
Ion Ratio Lower Upper  
127 100  
129 81.4 26.3 39.5#  
65 0.0 24.4 36.6#  
92 0.0 15.7 23.5#





#35

Caprolactam

Concen: 2.34 ng

RT: 8.54 min Scan# 560

Delta R.T. -0.05 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

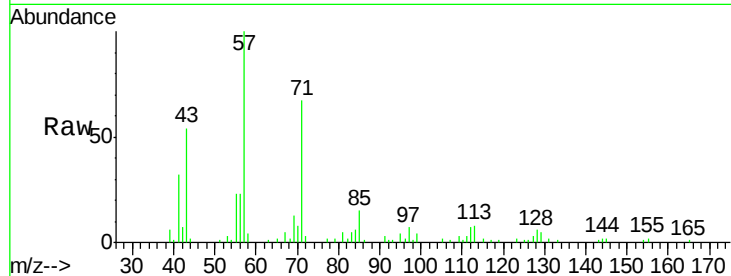
Tot Ion:113 Resp: 2463

Ion Ratio Lower Upper

113 100

55 282.2 149.7 189.7#

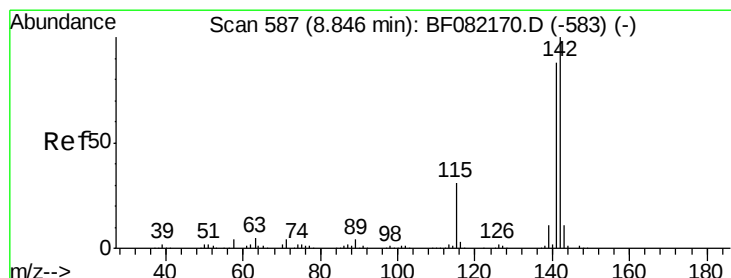
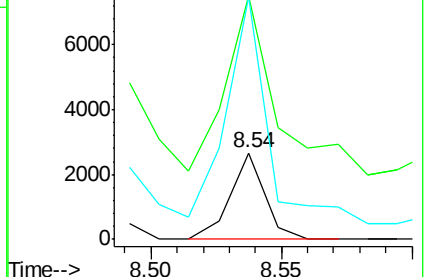
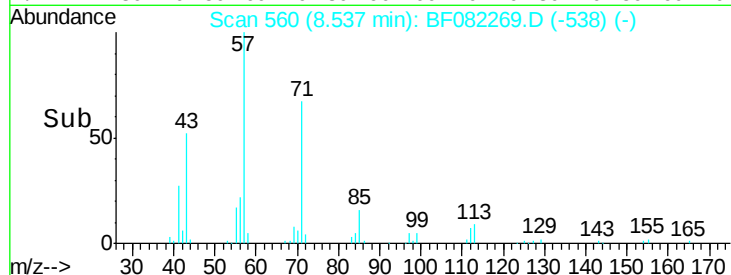
56 280.7 105.4 145.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 120.77 ng

RT: 8.83 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

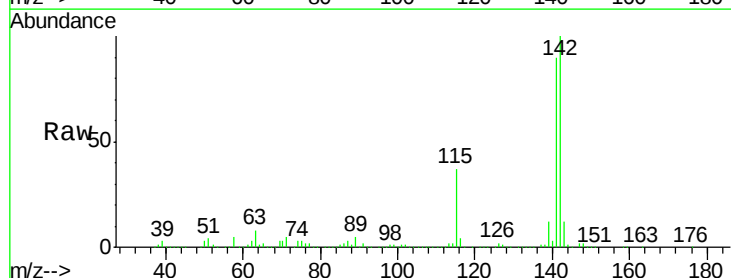
Tgt Ion:142 Resp: 1013358

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6

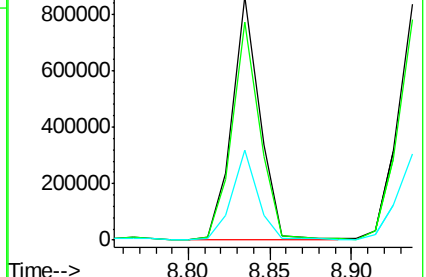
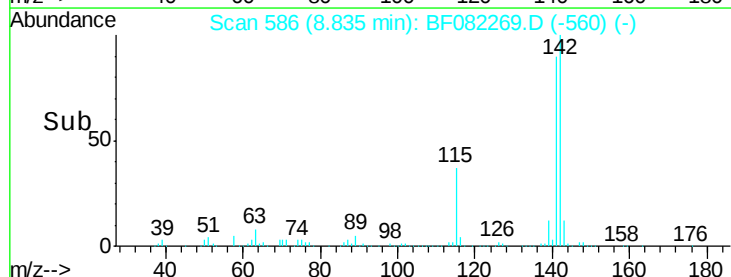
115 36.9 24.6 37.0

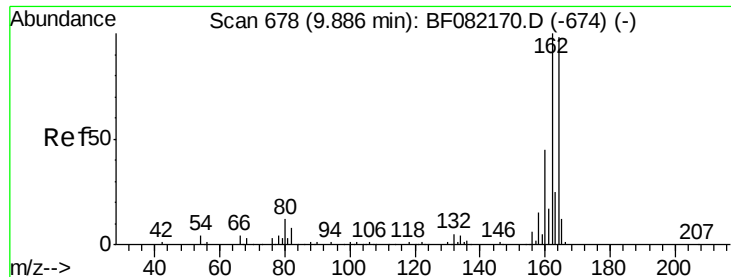


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

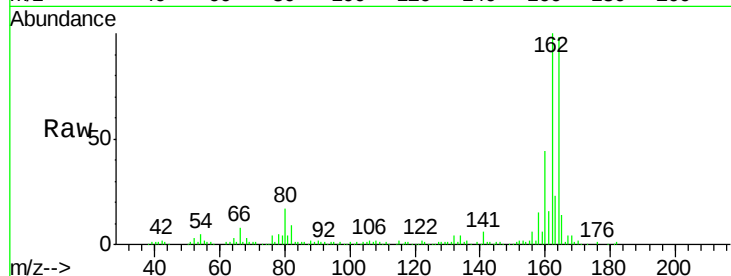
Tot Ion:164 Resp: 148981

Ion Ratio Lower Upper

164 100

162 101.8 81.6 122.4

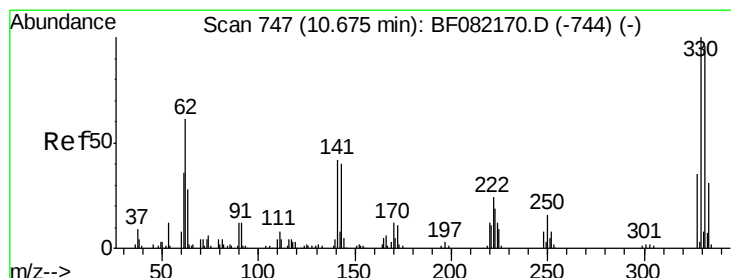
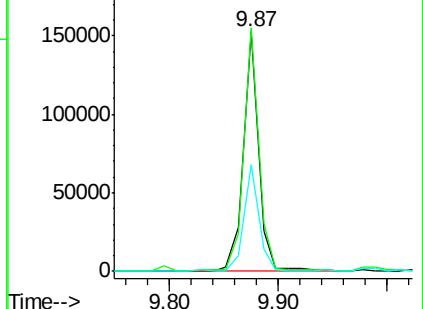
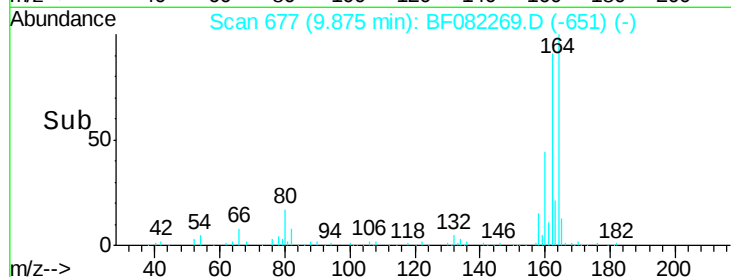
160 44.6 36.4 54.6



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



#41

2,4,6-Tribromophenol

Concen: 99.37 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

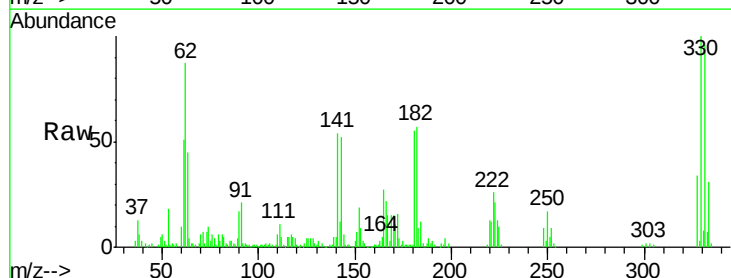
Tgt Ion:330 Resp: 138832

Ion Ratio Lower Upper

330 100

332 97.8 77.1 115.7

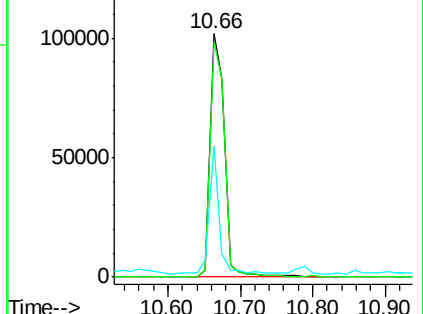
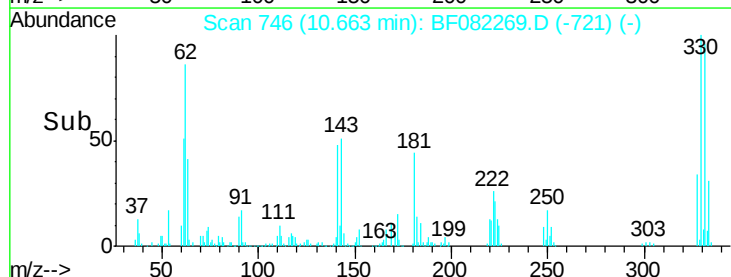
141 35.0 29.8 44.8

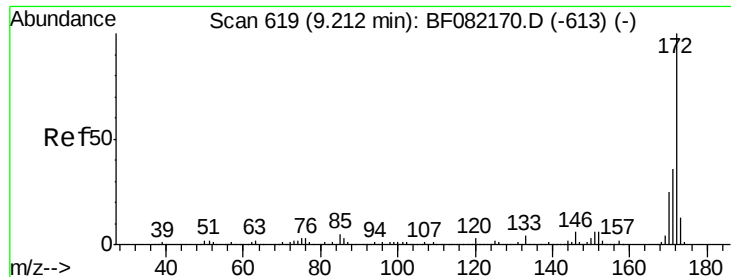


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

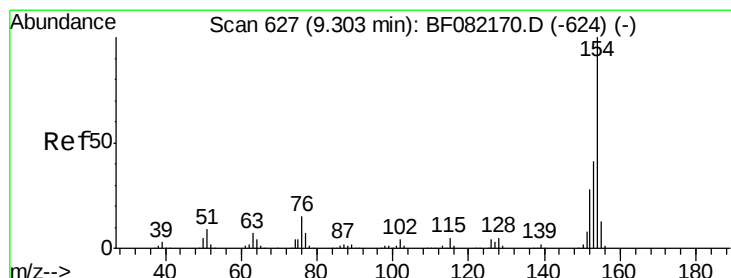
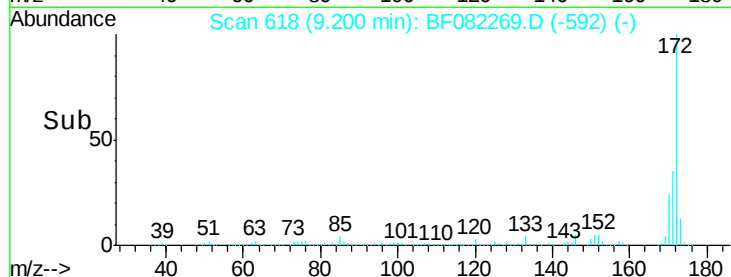
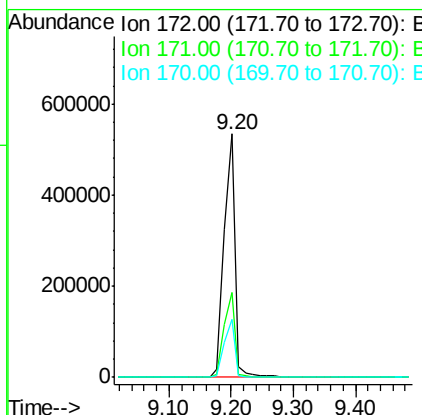
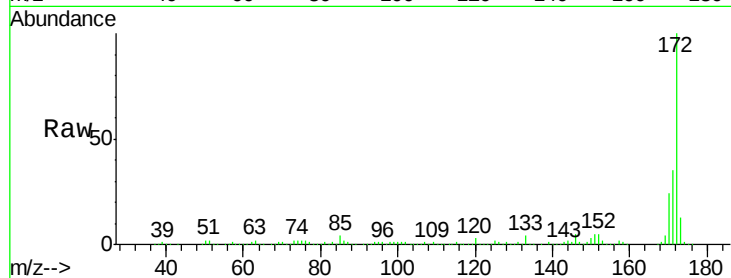




#44  
 2-Fluorobiphenyl  
 Concen: 71.32 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. -0.00 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

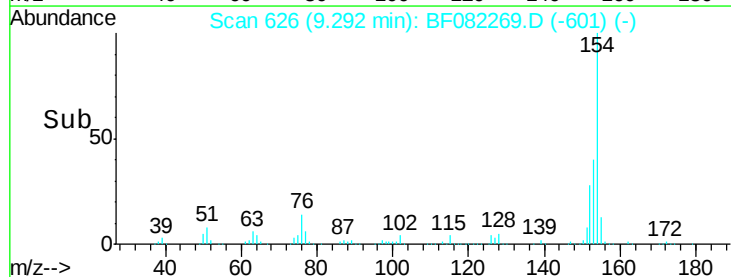
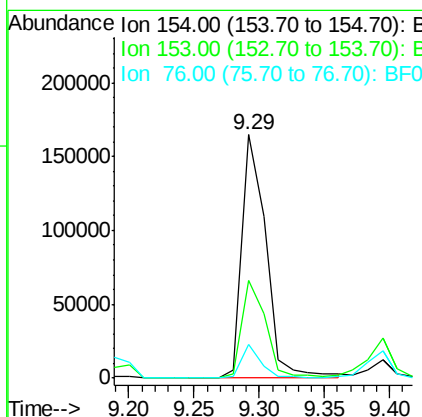
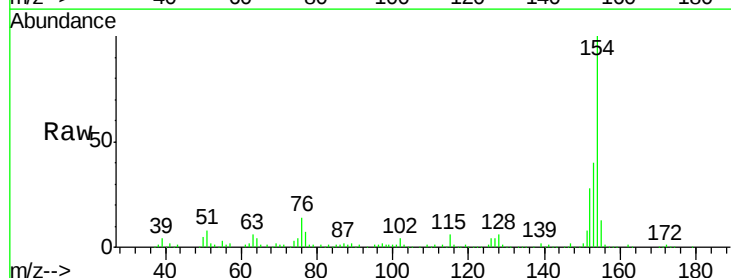
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP214BR-26-27

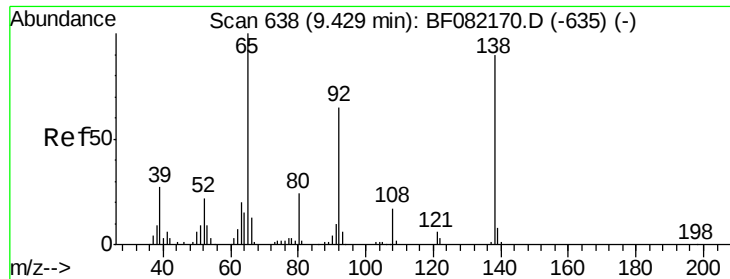
Tot Ion:172 Resp: 640685  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.6 42.8  
 170 23.8 19.7 29.5



#45  
 1,1'-Biphenyl  
 Concen: 18.55 ng  
 RT: 9.29 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

Tgt Ion:154 Resp: 210708  
 Ion Ratio Lower Upper  
 154 100  
 153 40.3 20.6 60.6  
 76 13.6 0.0 35.2





#47

2-Nitroaniline

Concen: 2.94 ng

RT: 9.39 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

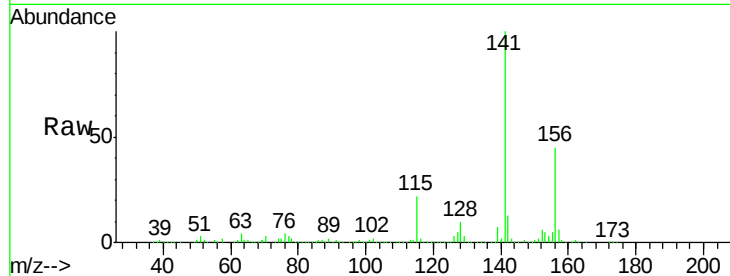
Tot Ion: 65 Resp: 7217

Ion Ratio Lower Upper

65 100

92 10.8 52.3 78.5#

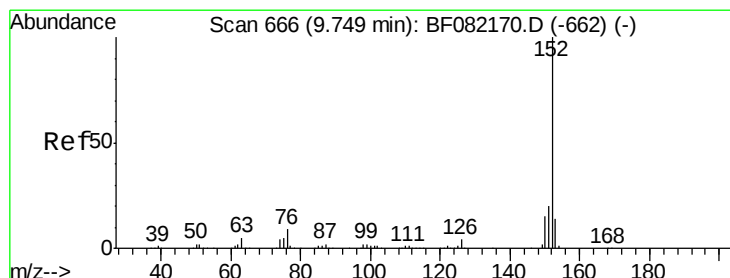
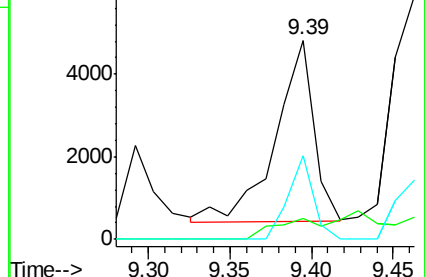
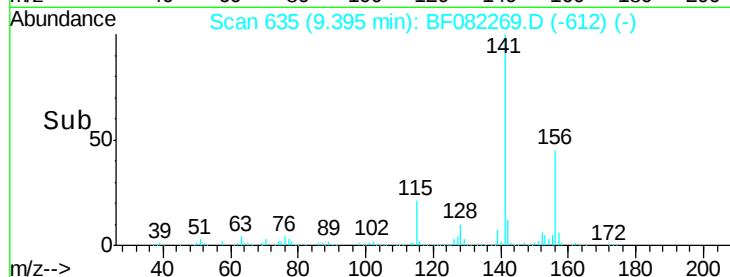
138 42.1 72.2 108.4#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 23.05 ng

RT: 9.74 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

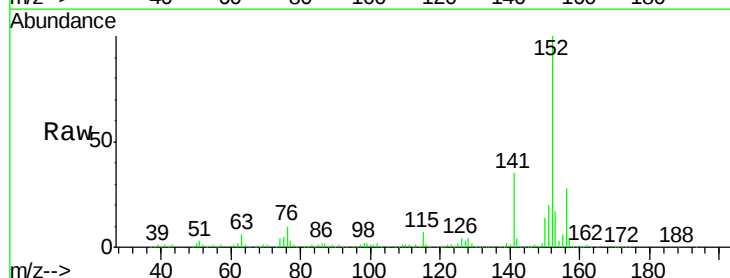
Tgt Ion: 152 Resp: 321176

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

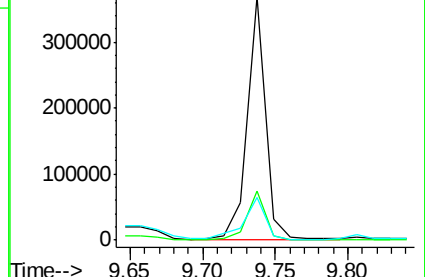
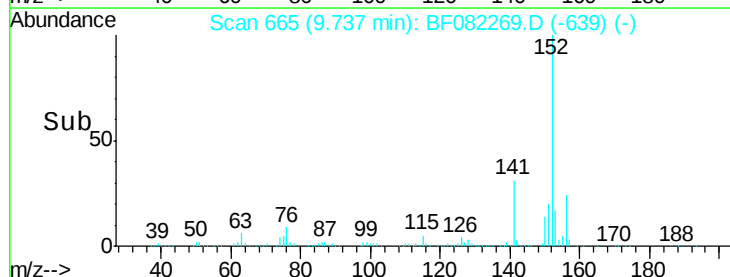
153 17.3 10.8 16.2#

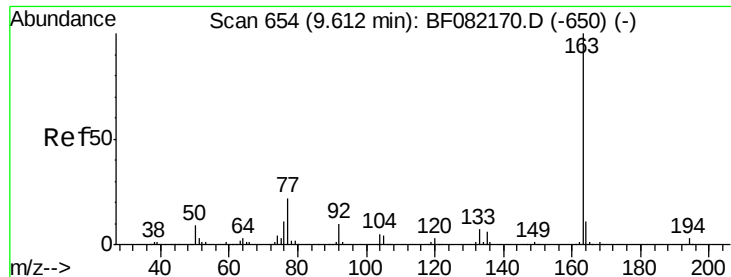


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 14.55 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

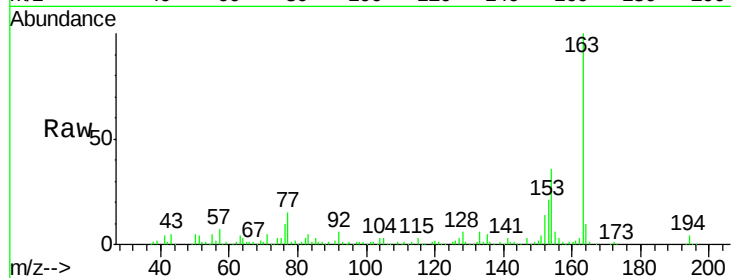
Tot Ion:163 Resp: 152622

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

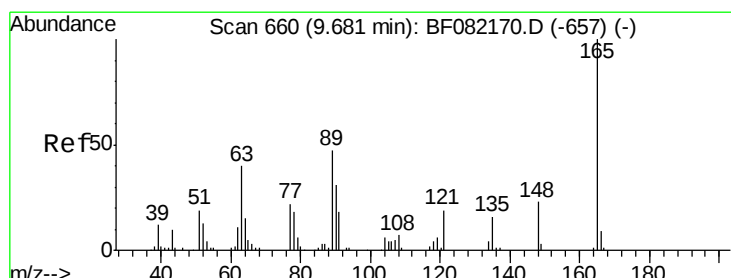
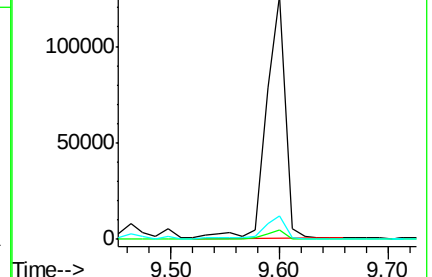
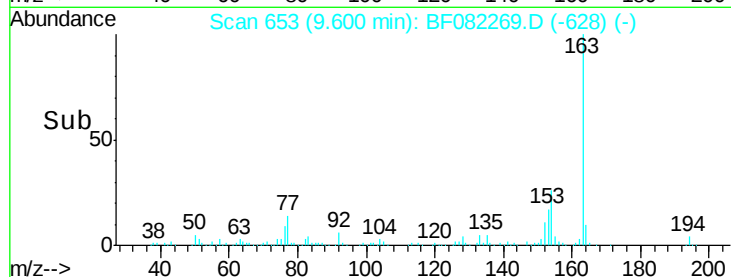
164 9.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.79 ng

RT: 9.57 min Scan# 650

Delta R.T. -0.10 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

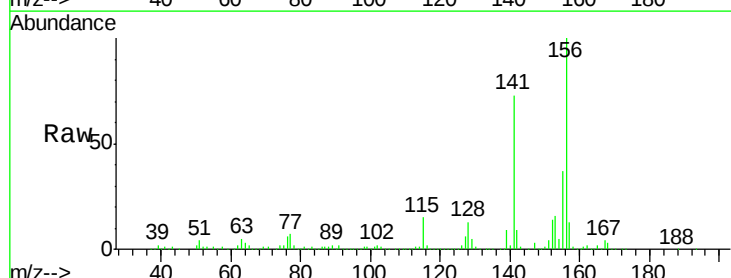
Tgt Ion:165 Resp: 8382

Ion Ratio Lower Upper

165 100

63 343.3 36.7 55.1#

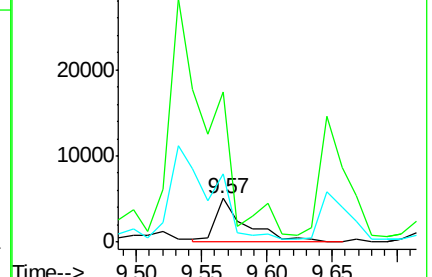
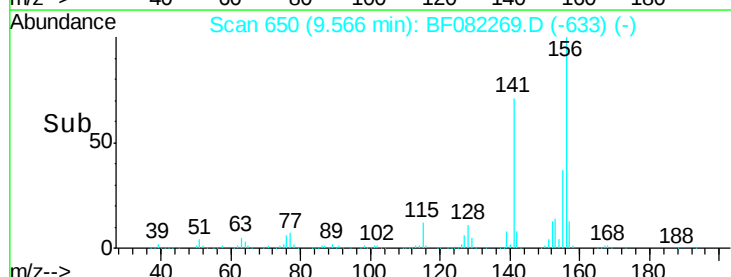
89 155.6 37.8 56.6#

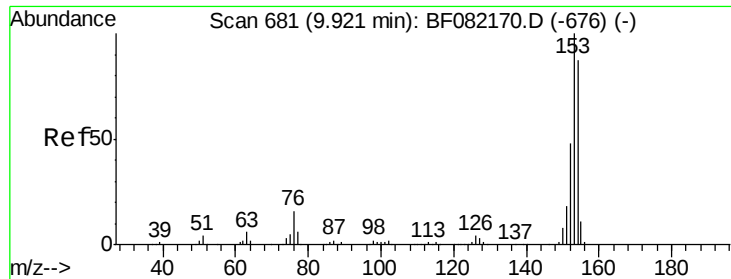


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 82.72 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

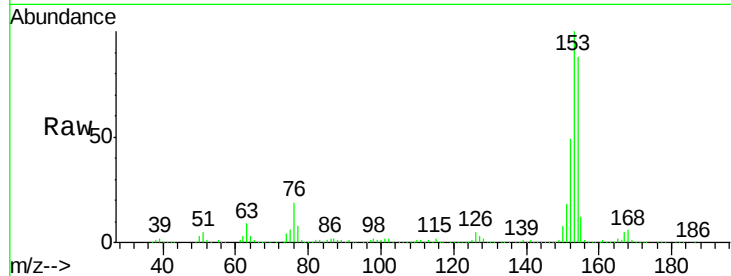
Tot Ion:154 Resp: 691860

Ion Ratio Lower Upper

154 100

153 114.1 91.4 137.2

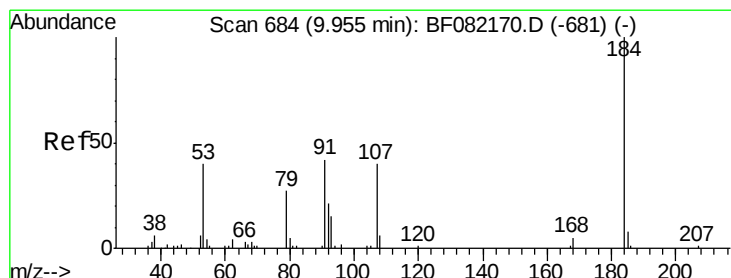
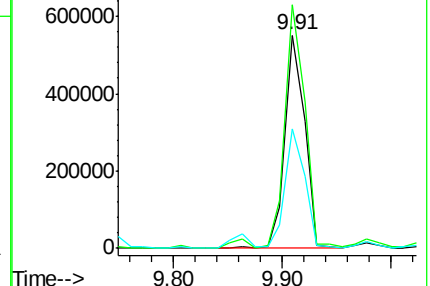
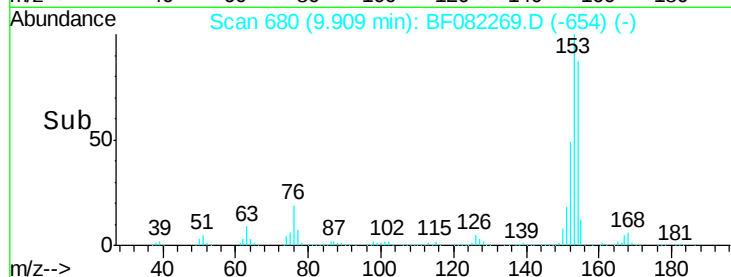
152 55.8 44.3 66.5



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



#53

2,4-Dinitrophenol

Concen: 6.57 ng

RT: 10.06 min Scan# 693

Delta R.T. 0.10 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

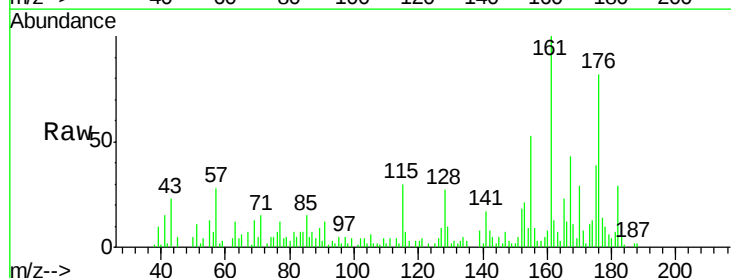
Tgt Ion:184 Resp: 235

Ion Ratio Lower Upper

184 100

63 861.4 45.1 67.7#

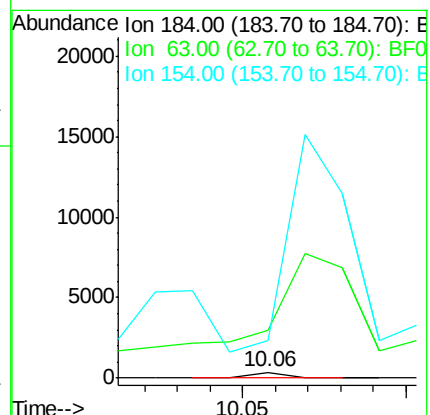
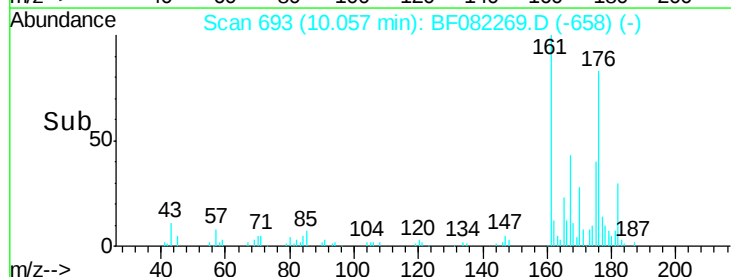
154 675.1 51.2 76.8#

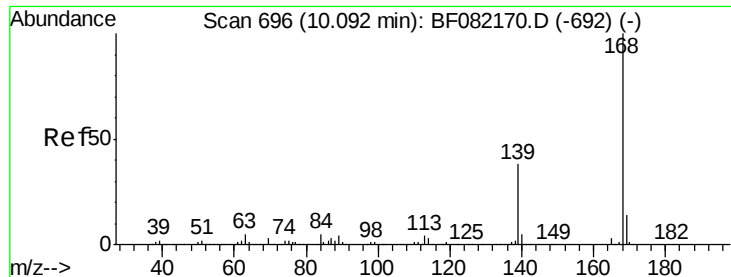


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 6.99 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

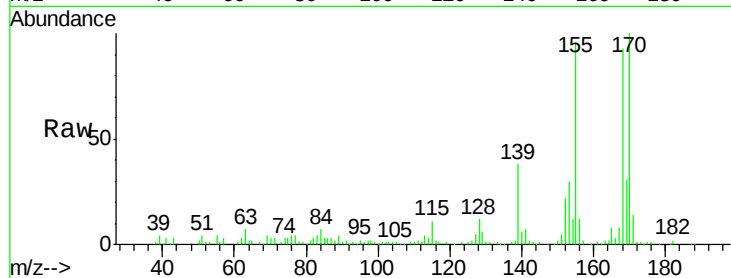
Tot Ion:168 Resp: 80211

Ion Ratio Lower Upper

168 100

139 40.4 31.0 46.6

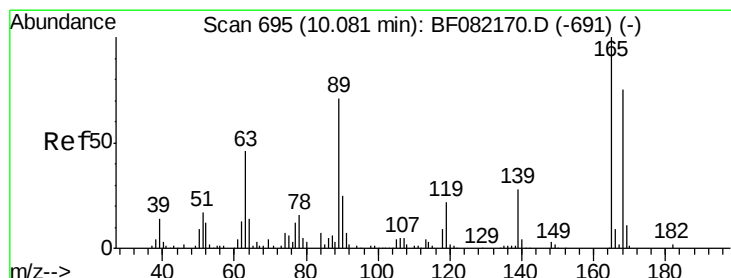
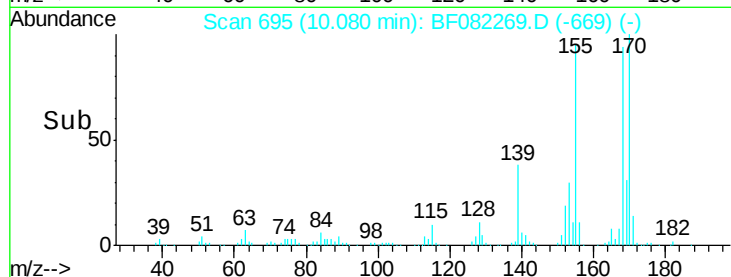
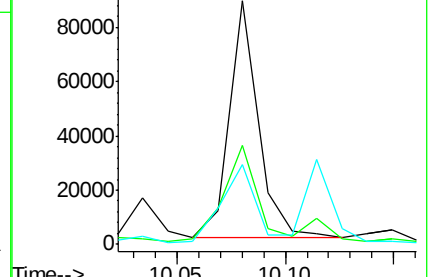
169 32.9 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 7.23 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:165 Resp: 20004

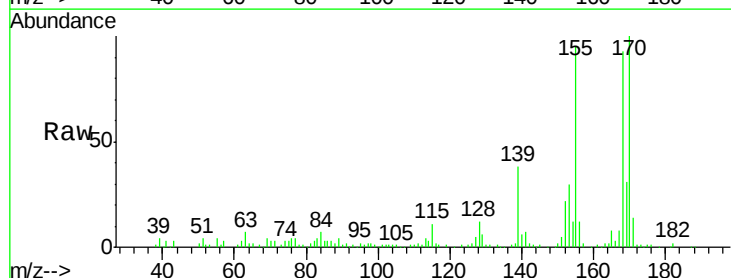
Ion Ratio Lower Upper

165 100

63 85.0 38.6 58.0#

89 46.1 57.0 85.6#

182 23.5 1.8 2.6#

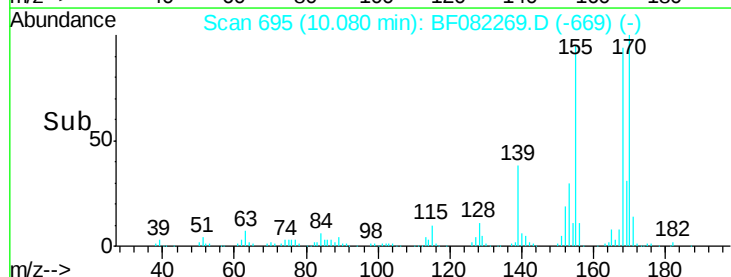
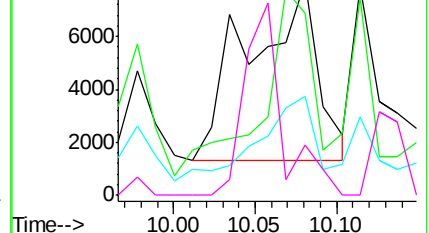


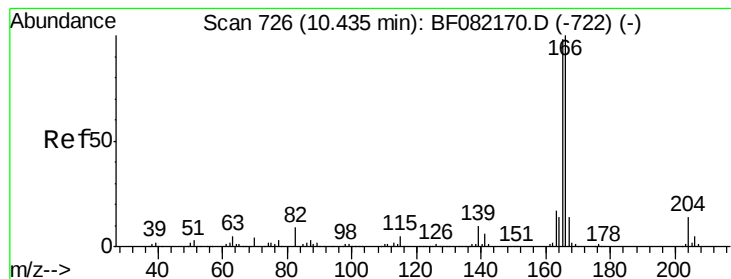
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 98.59 ng

RT: 10.43 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

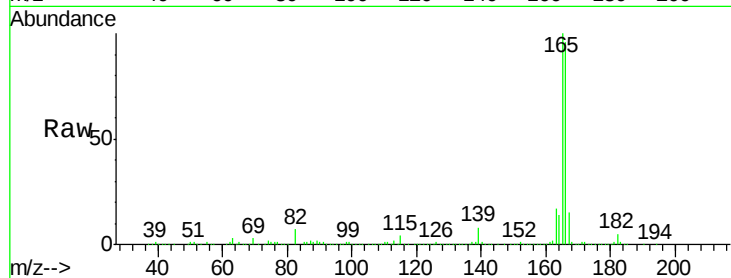
Tot Ion:166 Resp: 929766

Ion Ratio Lower Upper

166 100

165 103.6 78.3 117.5

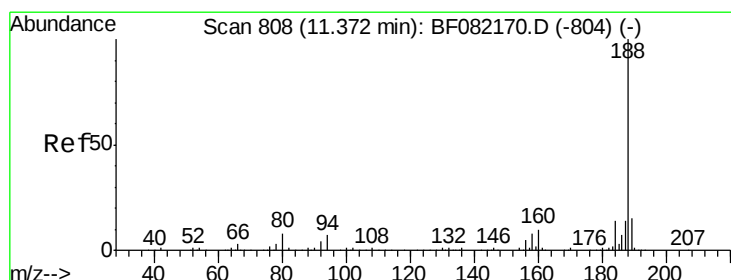
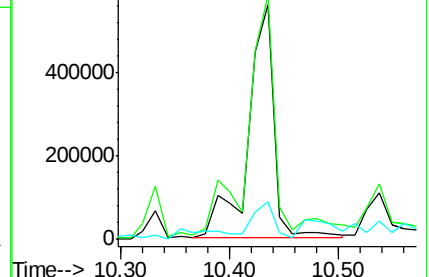
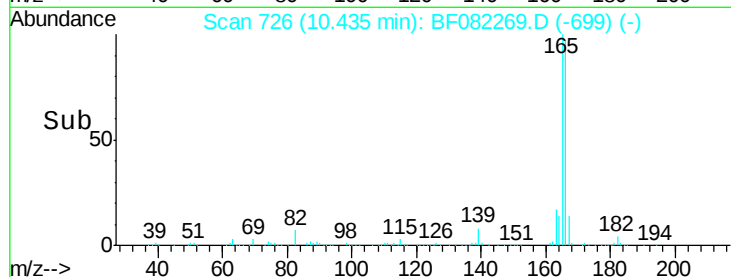
167 15.8 10.8 16.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

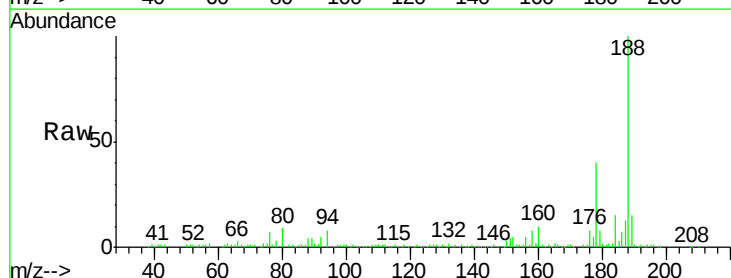
Tgt Ion:188 Resp: 261167

Ion Ratio Lower Upper

188 100

94 7.9 5.8 8.6

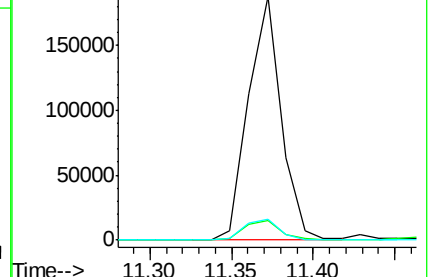
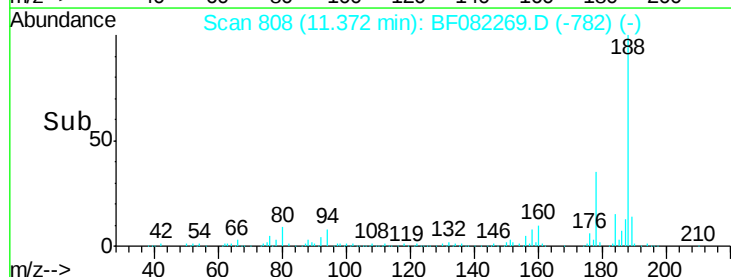
80 8.7 6.4 9.6

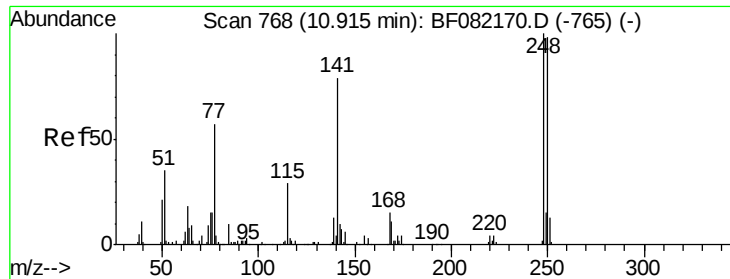


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.40 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

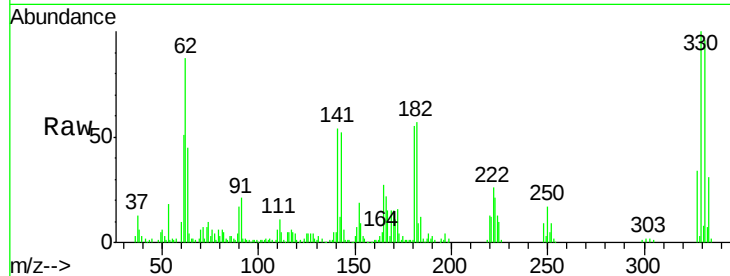
Tot Ion:248 Resp: 8878

Ion Ratio Lower Upper

248 100

250 203.7 78.6 117.8#

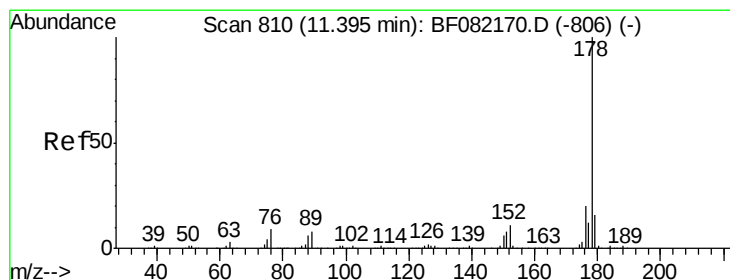
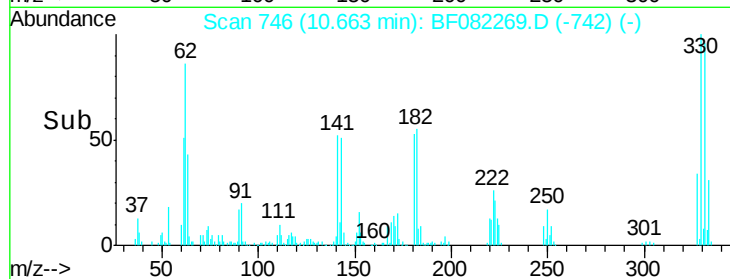
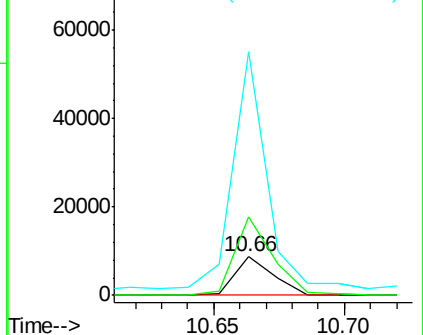
141 633.3 63.3 94.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 218.50 ng

RT: 11.41 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

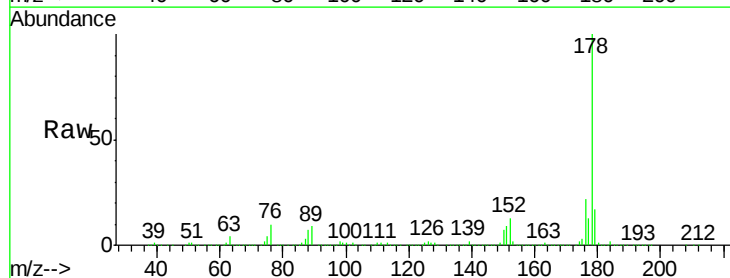
Tgt Ion:178 Resp: 2797159

Ion Ratio Lower Upper

178 100

176 22.0 16.0 24.0

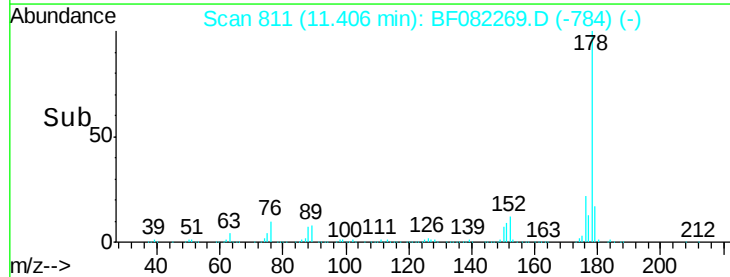
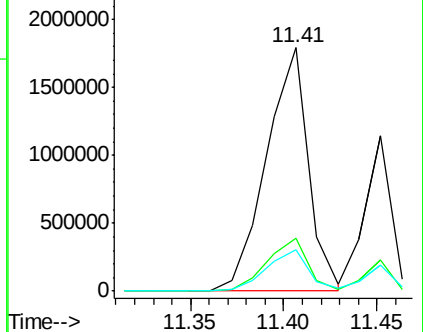
179 17.2 12.6 19.0

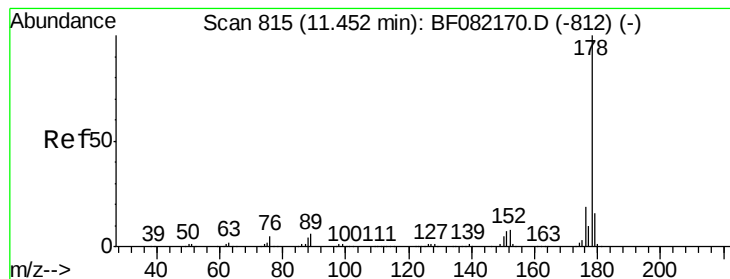


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 90.75 ng

RT: 11.45 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

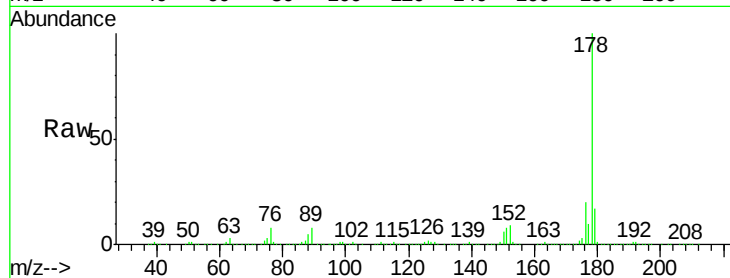
Tot Ion:178 Resp: 1197052

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.0

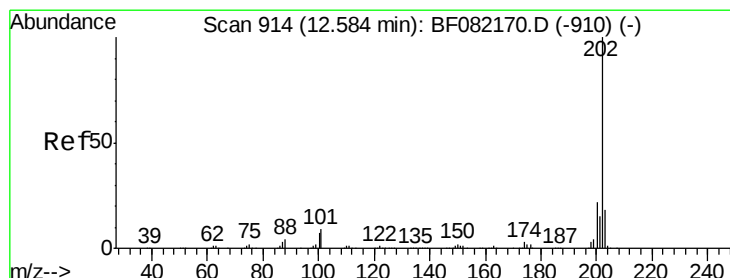
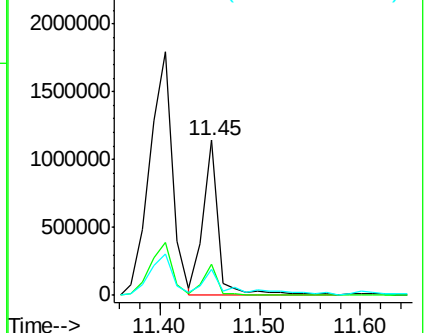
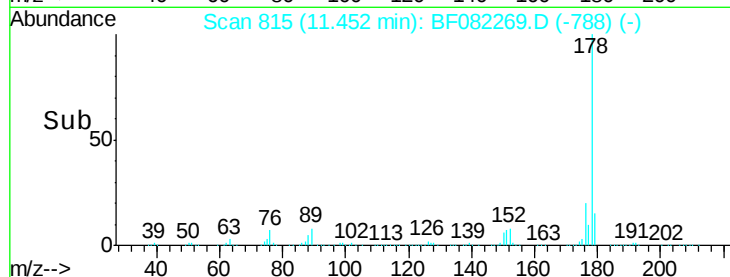
179 16.5 12.5 18.7



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



#74

Fluoranthene

Concen: 84.03 ng

RT: 12.58 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

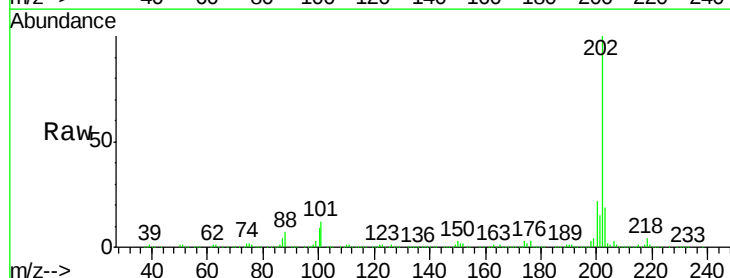
Tgt Ion:202 Resp: 1155400

Ion Ratio Lower Upper

202 100

101 12.4 0.0 29.3

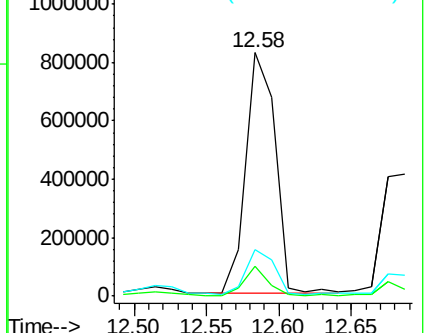
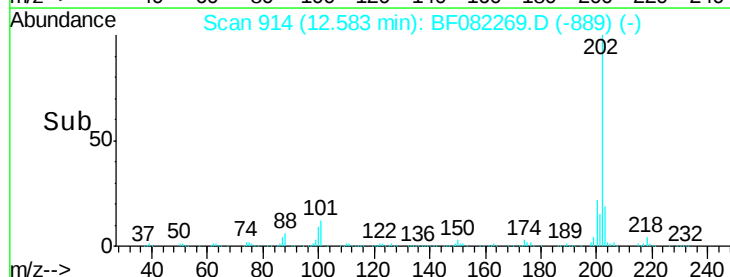
203 19.2 0.0 37.8

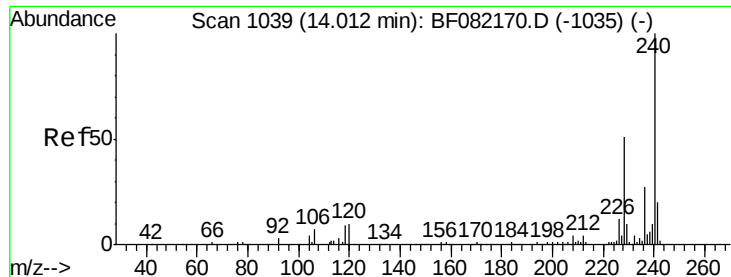


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

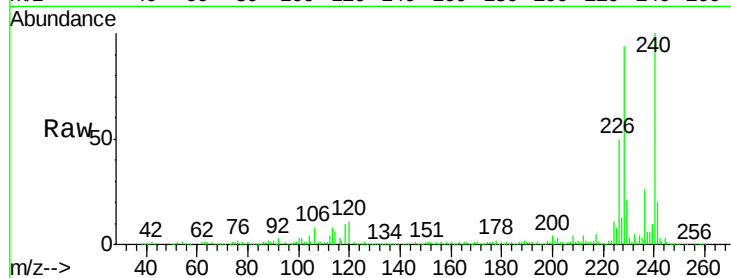
Tot Ion:240 Resp: 255995

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

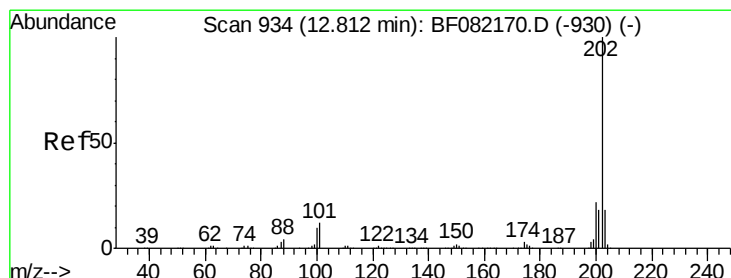
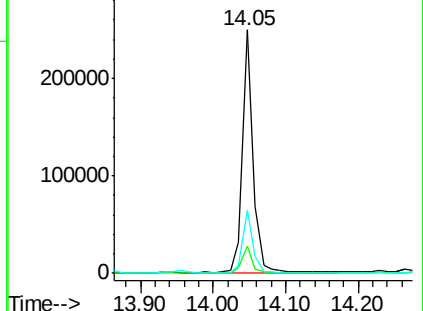
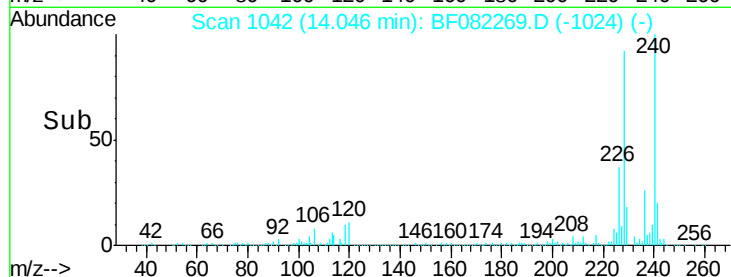
236 26.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.64 ng

RT: 12.75 min Scan# 929

Delta R.T. -0.08 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

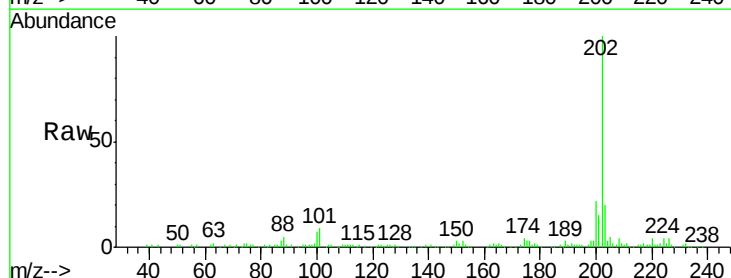
Tgt Ion:202 Resp: 100811

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

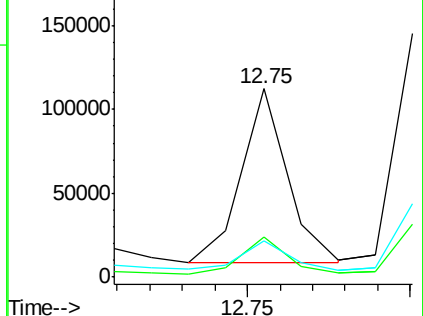
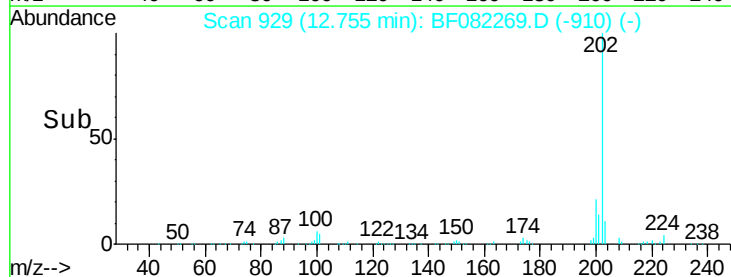
203 19.6 14.5 21.7

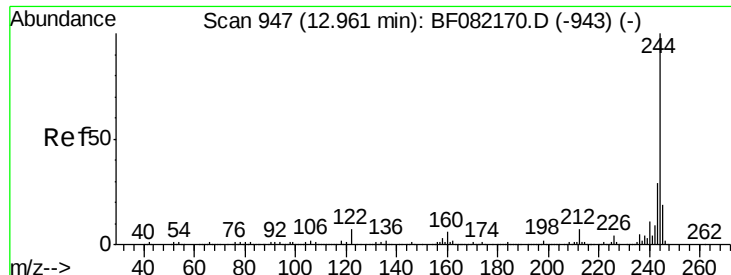


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



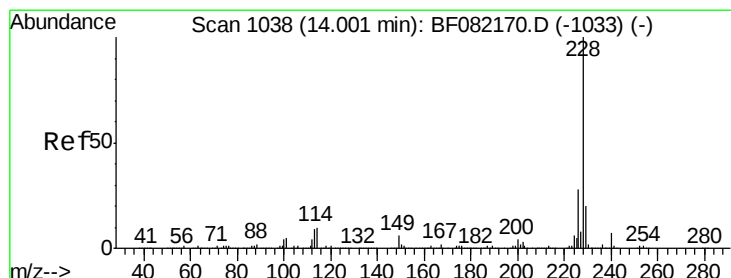
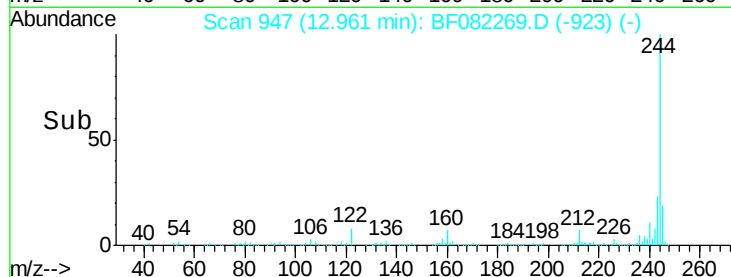
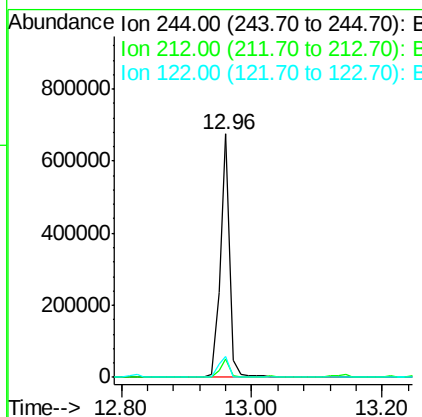
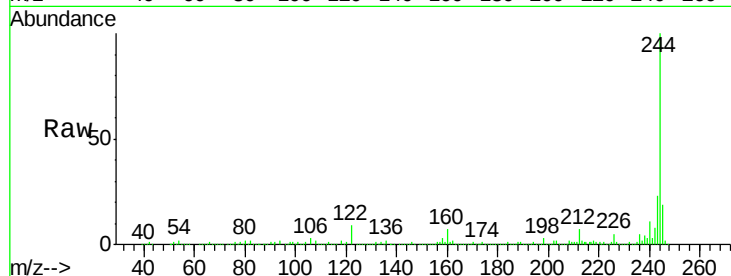


#78  
 Terphenyl-d14  
 Concen: 71.20 ng  
 RT: 12.96 min Scan# 947  
 Delta R.T. -0.02 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP214BR-26-27

Tot Ion:244 Resp: 687783  

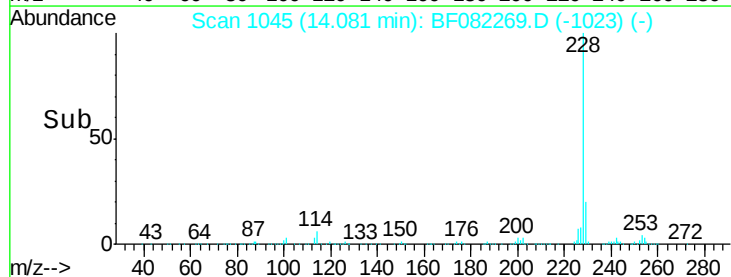
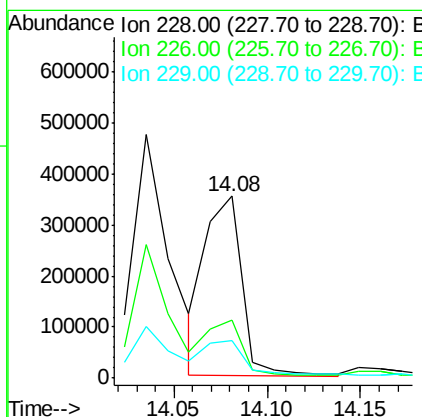
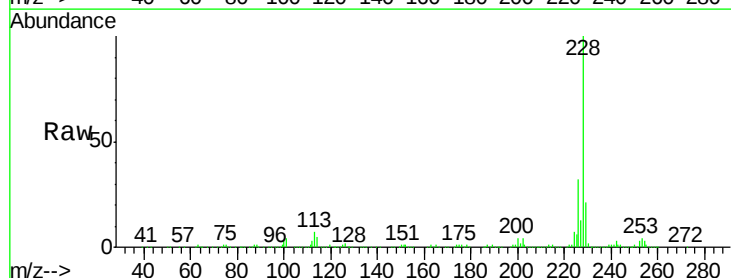
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.8   | 8.6   |
| 122 | 8.5   | 5.9   | 8.9   |

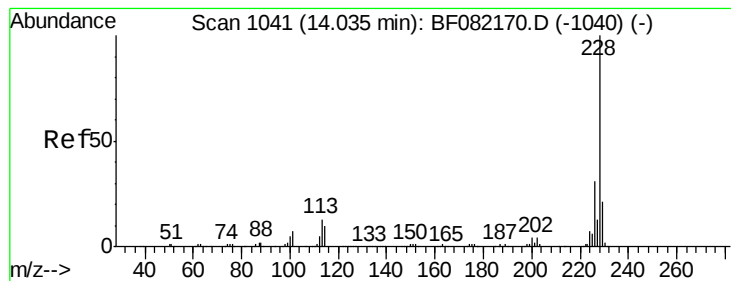


#80  
 Benzo(a)anthracene  
 Concen: 36.26 ng  
 RT: 14.08 min Scan# 1045  
 Delta R.T. -0.05 min  
 Lab File: BF082269.D  
 Acq: 13 Oct 2015 22:24

Tgt Ion:228 Resp: 483027  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.0  | 22.3  | 33.5  |
| 229 | 20.9  | 16.2  | 24.2  |





#82

Chrysene

Concen: 35.12 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.09 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

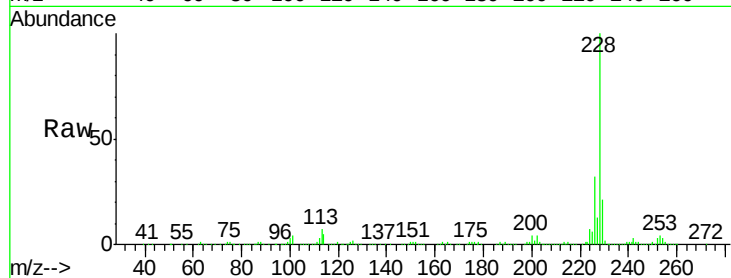
Tot Ion:228 Resp: 492838

Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

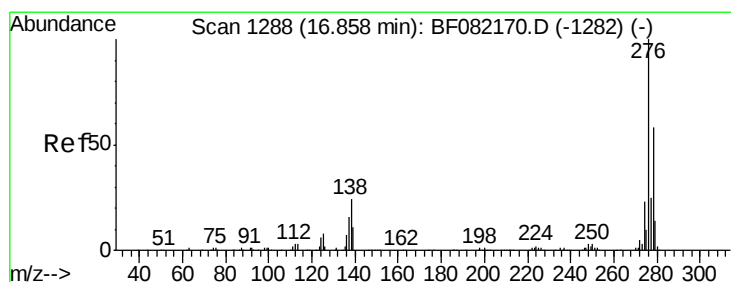
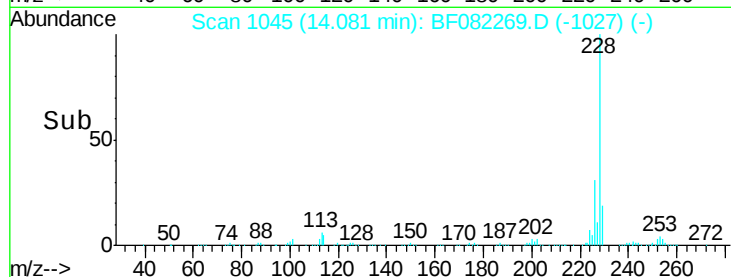
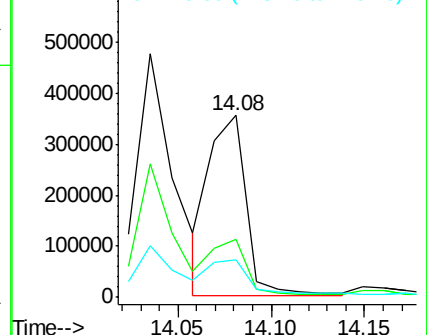
229 20.9 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.46 ng

RT: 17.00 min Scan# 1300

Delta R.T. -0.24 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

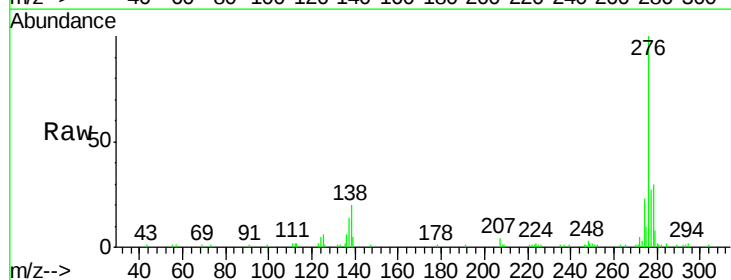
Tgt Ion:276 Resp: 94414

Ion Ratio Lower Upper

276 100

138 21.9 19.7 29.5

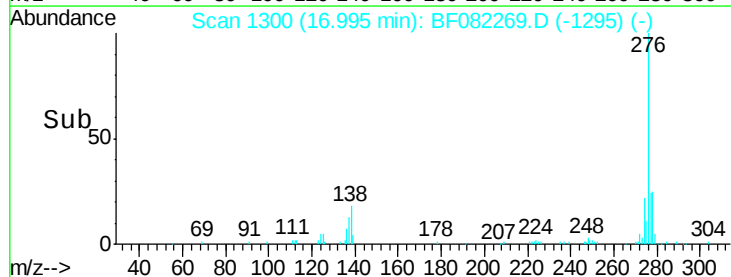
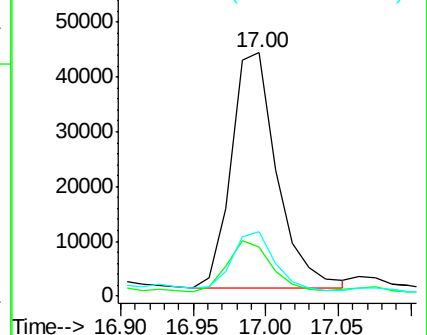
277 22.9 20.1 30.1

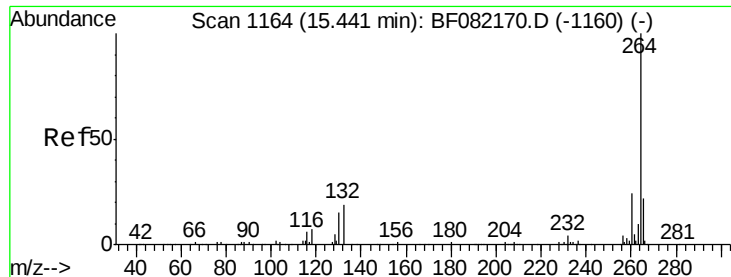


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 1175

Delta R.T. -0.21 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

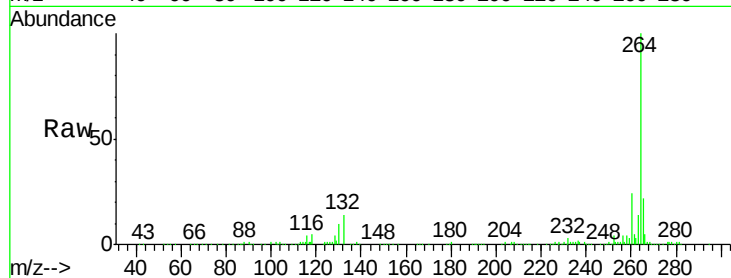
Tot Ion:264 Resp: 226308

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

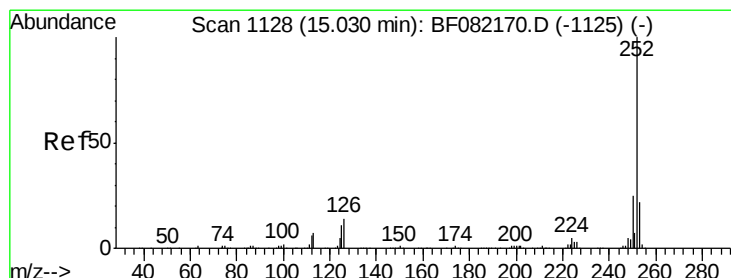
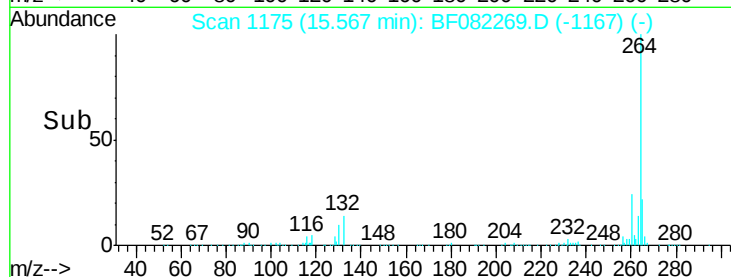
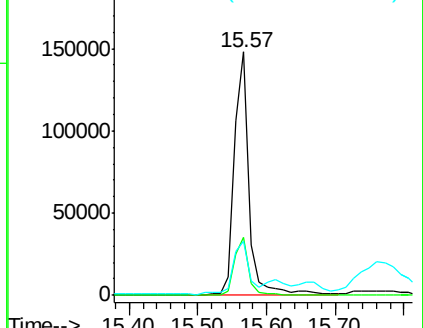
265 22.3 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 28.27 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.19 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

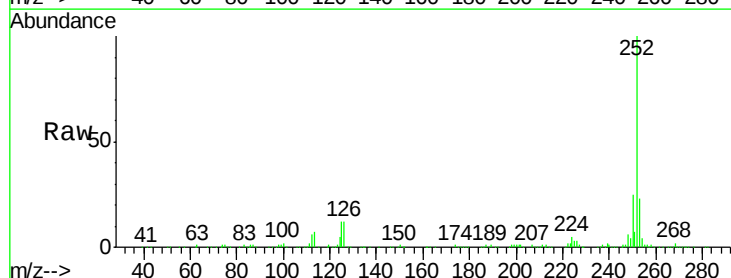
Tgt Ion:252 Resp: 389208

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

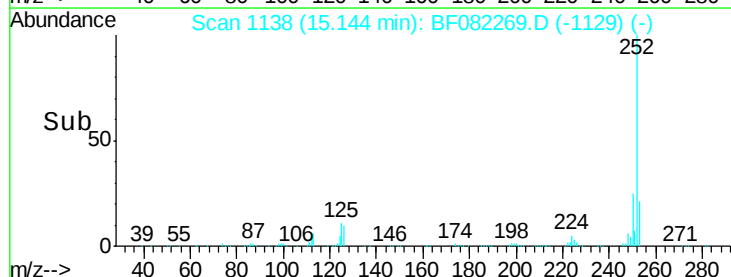
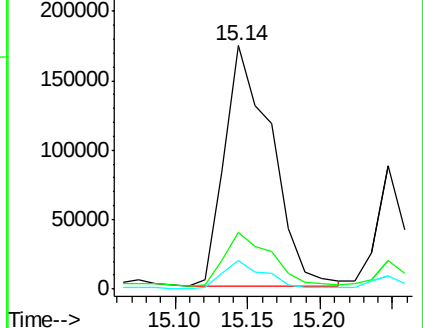
125 11.6 8.6 12.8

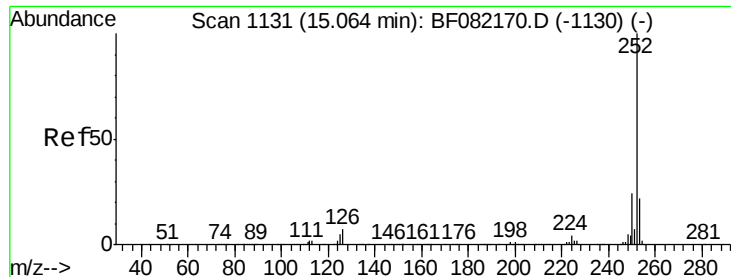


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 33.63 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.23 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

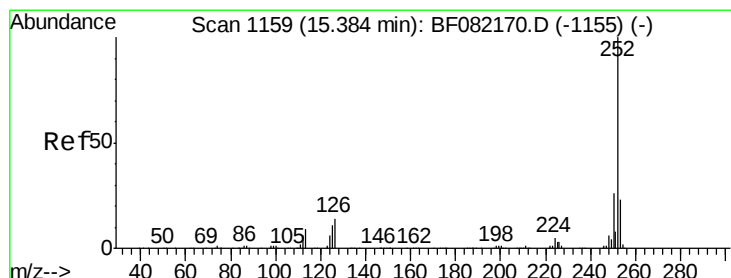
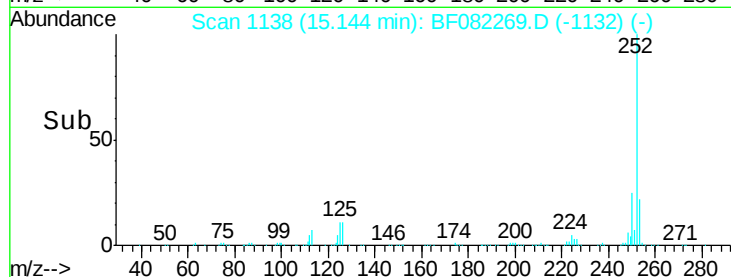
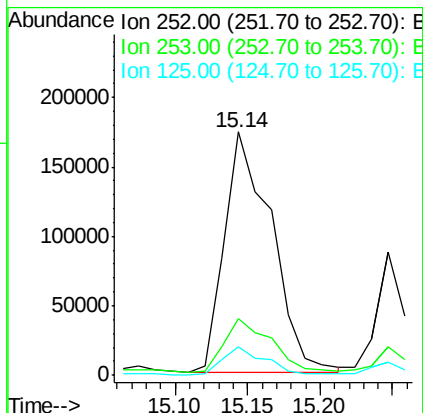
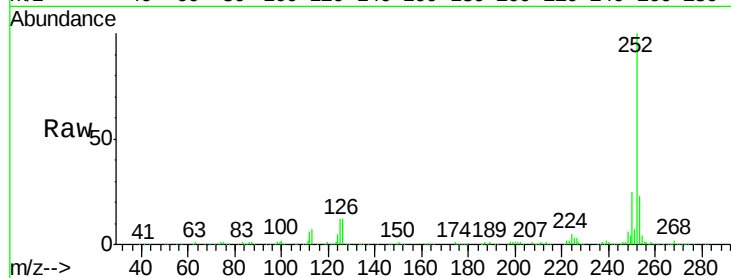
Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 389208    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.2  | 17.8 26.6 |
| 125         | 11.6  | 6.7 10.1# |



#89

Benzo(a)pyrene

Concen: 30.04 ng

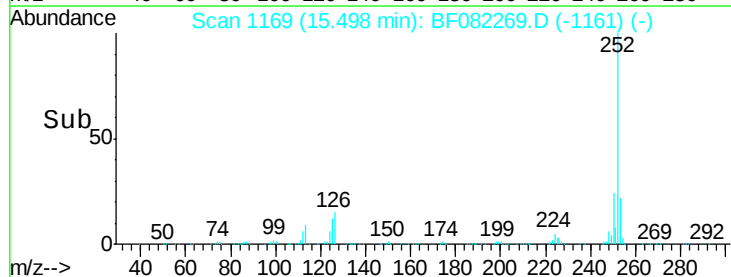
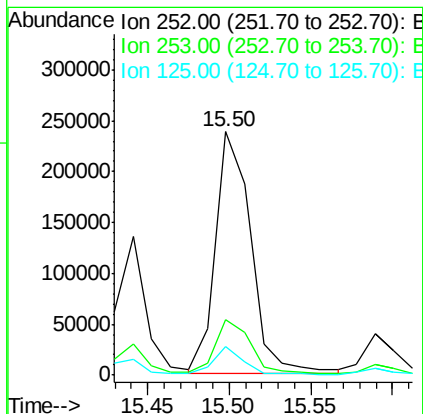
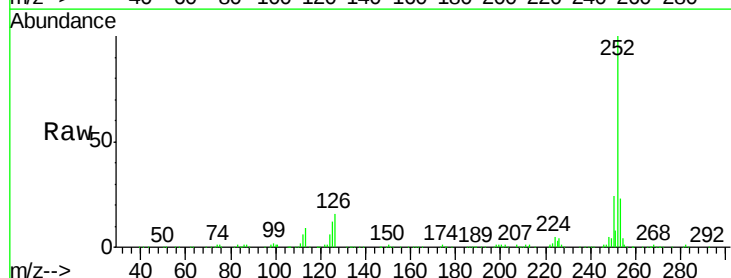
RT: 15.50 min Scan# 1169

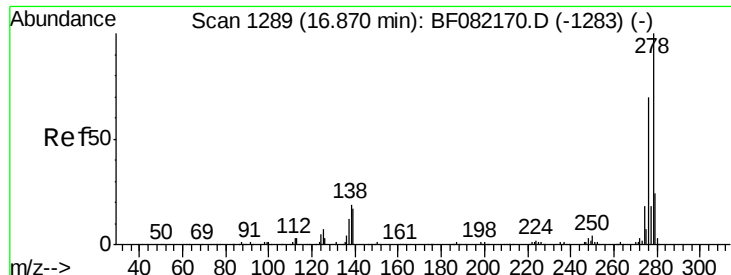
Delta R.T. -0.21 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 355464    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.6  | 18.2 27.2 |
| 125         | 11.8  | 8.9 13.3  |





#90

Dibenzo(a,h)anthracene

Concen: 2.90 ng

RT: 17.00 min Scan# 1300

Delta R.T. -0.25 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA\_F

ClientSampleId :

MGP214BR-26-27

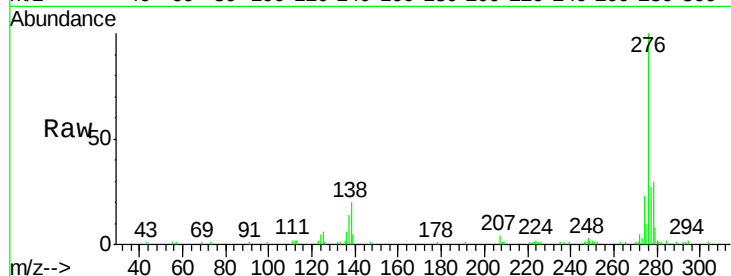
Tot Ion:278 Resp: 28104

Ion Ratio Lower Upper

278 100

139 17.7 13.3 19.9

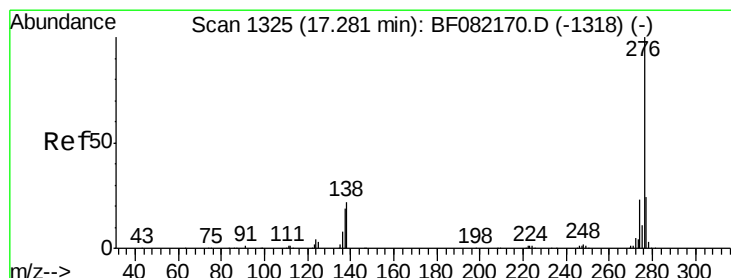
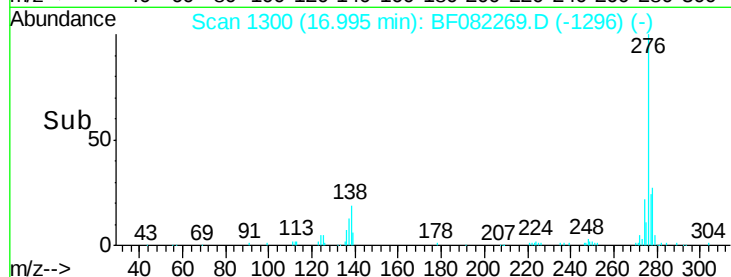
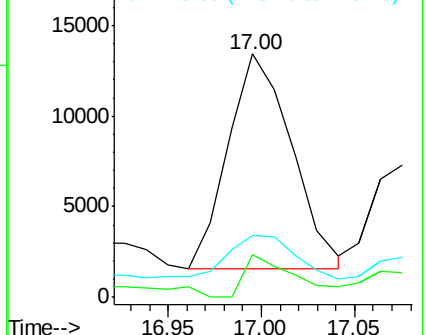
279 25.3 18.9 28.3



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



#91

Benzo(g,h,i)perylene

Concen: 10.24 ng

RT: 17.42 min Scan# 1337

Delta R.T. -0.25 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

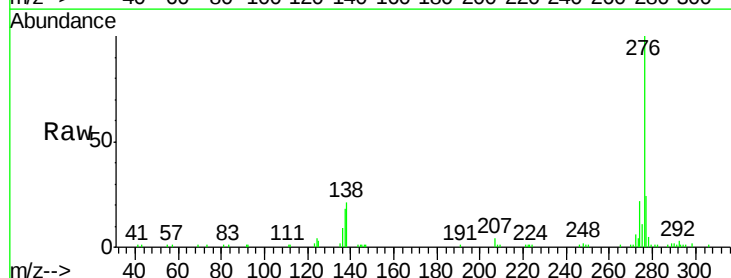
Tgt Ion:276 Resp: 96506

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 20.8 17.4 26.2



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

