

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\  
 Data File : BF109250.D  
 Acq On : 23 Sep 2018 5:06  
 Operator : JU/SJ  
 Sample : J5017-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 24 06:54:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 112227   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.99  | 136  | 354368   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 132238   | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 11.23 | 188  | 203124   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12          | 13.85 | 240  | 178915   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.25 | 264  | 177004   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 752914   | 110.50 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 985241   | 113.32 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 624373   | 104.01 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 144247   | 110.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 935724   | 106.72 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.81 | 244  | 596164   | 81.78  | ng    | 0.00     |

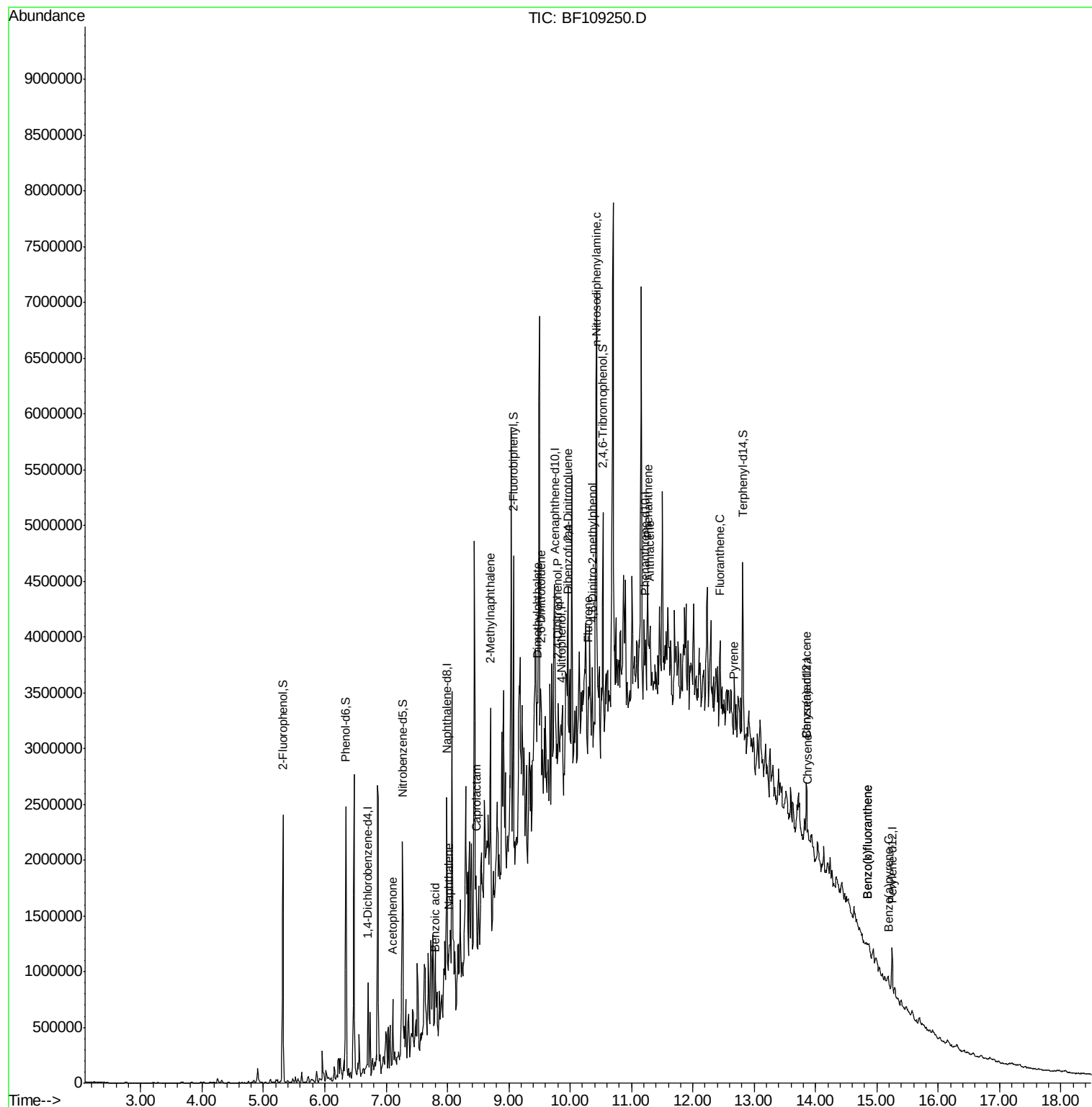
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 22) Acetophenone               | 7.11  | 105  | 17185    | 2.098  | ng    | # 1    |
| 31) Naphthalene                | 8.01  | 128  | 39193    | 2.367  | ng    | # 89   |
| 32) Benzoic acid               | 7.79  | 122  | 5935     | 8.389  | ng    | # 13   |
| 35) Caprolactam                | 8.47  | 113  | 7026     | 4.447  | ng    | # 1    |
| 37) 2-Methylnaphthalene        | 8.70  | 142  | 29722    | 2.784  | ng    | # 66   |
| 49) Dimethylphthalate          | 9.46  | 163  | 234513   | 24.382 | ng    | # 96   |
| 50) 2,6-Dinitrotoluene         | 9.53  | 165  | 7317     | 3.841  | ng    | # 63   |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 554      | 9.235  | ng    | # 1    |
| 54) Dibenzofuran               | 9.95  | 168  | 23990    | 2.055  | ng    | # 1    |
| 55) 4-Nitrophenol              | 9.86  | 139  | 16313    | 9.816  | ng    | # 1    |
| 56) 2,4-Dinitrotoluene         | 9.96  | 165  | 11180    | 4.639  | ng    | # 60   |
| 57) Fluorene                   | 10.29 | 166  | 38095    | 4.573  | ng    | # 72   |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198  | 1294     | 7.895  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.42 | 169  | 101183   | 15.077 | ng    | # 42   |
| 70) Phenanthrene               | 11.26 | 178  | 135625   | 13.373 | ng    | # 88   |
| 71) Anthracene                 | 11.30 | 178  | 33137    | 3.221  | ng    | # 58   |
| 74) Fluoranthene               | 12.44 | 202  | 54213    | 5.002  | ng    | # 92   |
| 77) Pyrene                     | 12.66 | 202  | 71447    | 5.572  | ng    | # 94   |
| 80) Benzo(a)anthracene         | 13.84 | 228  | 33837    | 3.140  | ng    | # 69   |
| 82) Chrysene                   | 13.87 | 228  | 37983    | 3.556  | ng    | # 68   |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 32421    | 3.333  | ng    | # 16   |
| 88) Benzo(k)fluoranthene       | 14.85 | 252  | 32421    | 3.513  | ng    | # 20   |
| 89) Benzo(a)pyrene             | 15.19 | 252  | 17778    | 2.028  | ng    | # 34   |

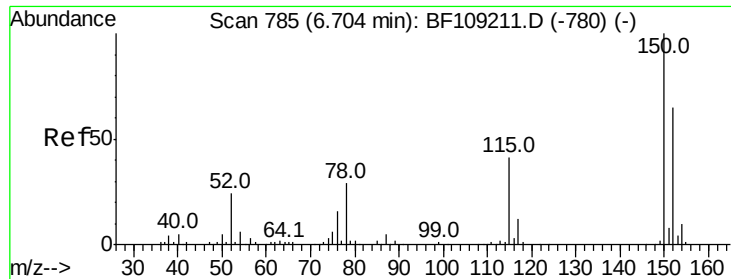
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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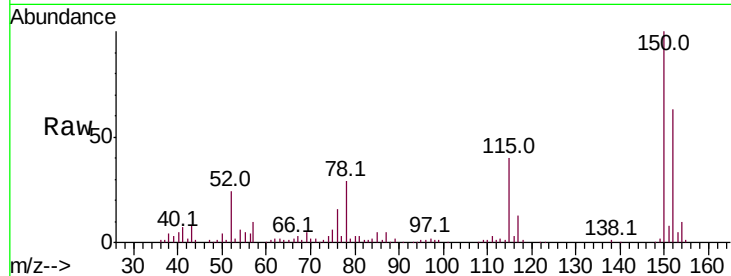


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109250.D  
Acq: 23 Sep 2018 5:06

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 124.6 | 186.8 |
| 115     | 63.0  | 50.1  | 75.1  |

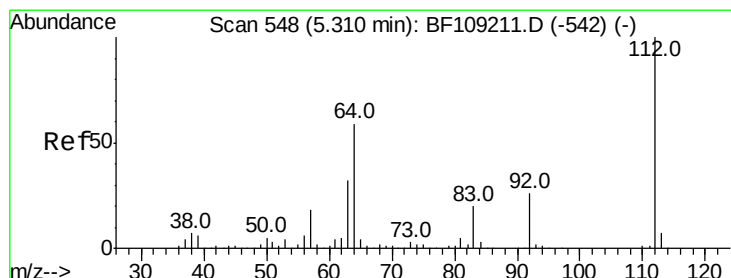
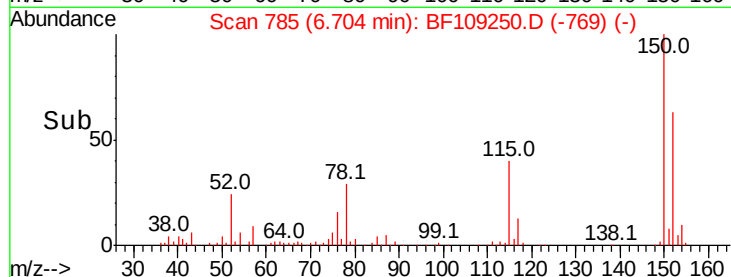
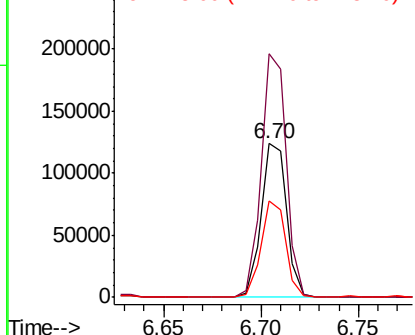


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

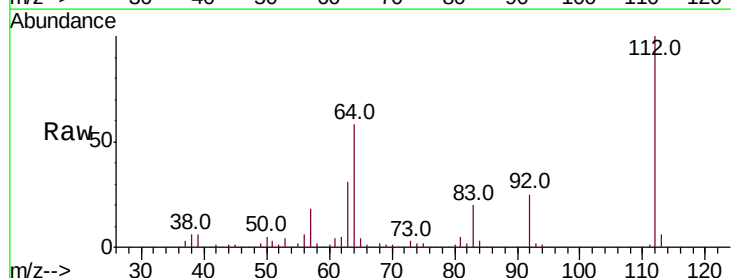
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 110.500 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.01 min  
Lab File: BF109250.D  
Acq: 23 Sep 2018 5:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.6  | 47.9  | 71.9  |
| 63      | 30.7  | 23.7  | 35.5  |

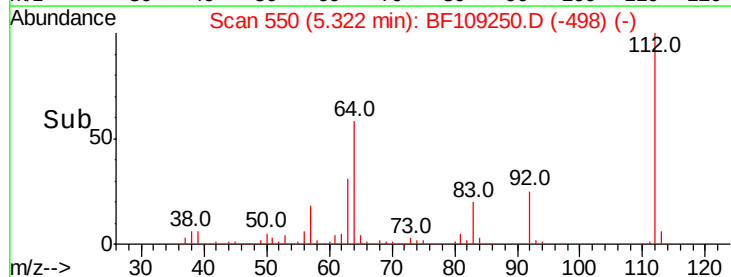
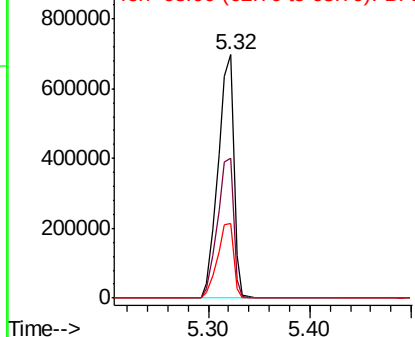


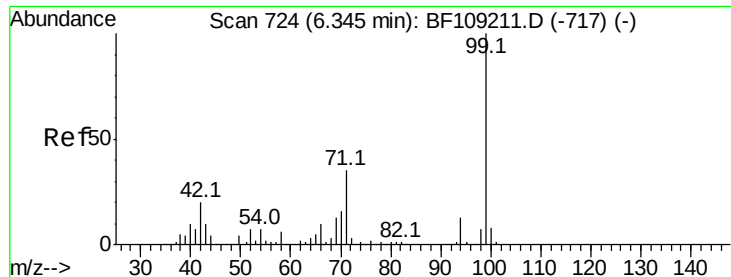
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.317 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampled :

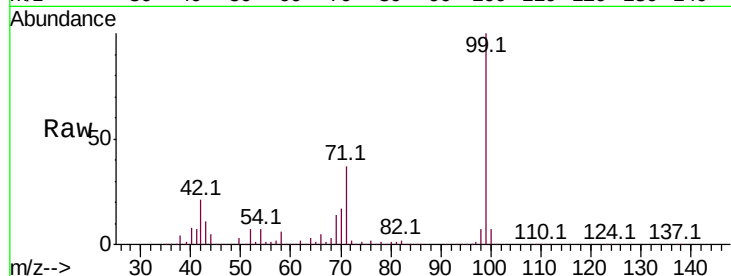
Tot Ion: 99 Resp: 985241

Ion Ratio Lower Upper

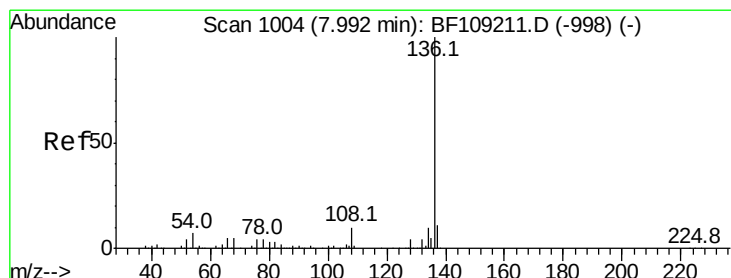
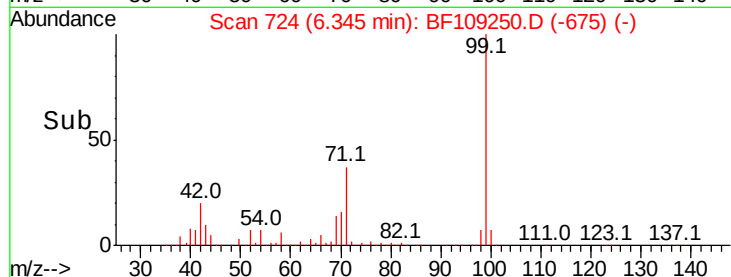
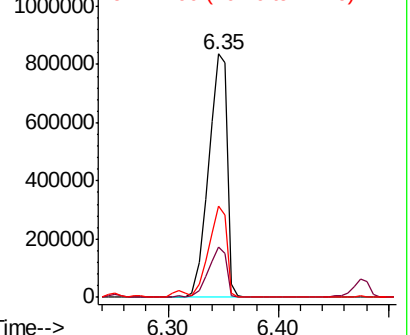
99 100

42 20.6 14.5 21.7

71 37.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Tgt Ion: 136 Resp: 354368

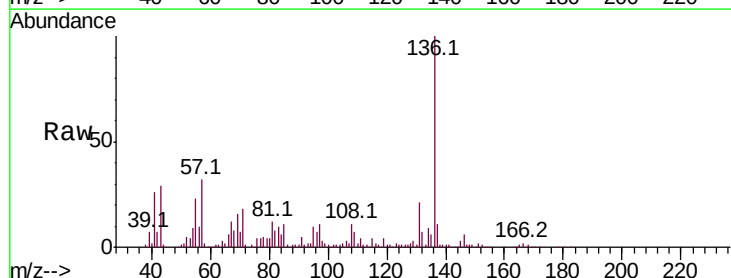
Ion Ratio Lower Upper

136 100

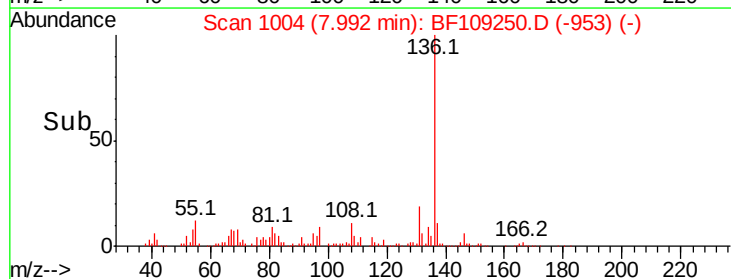
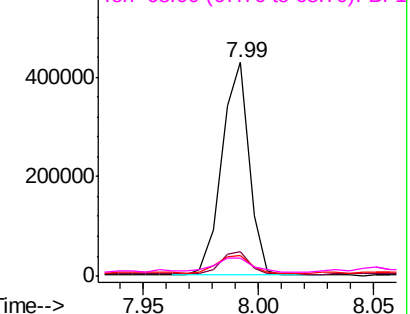
137 11.5 8.9 13.3

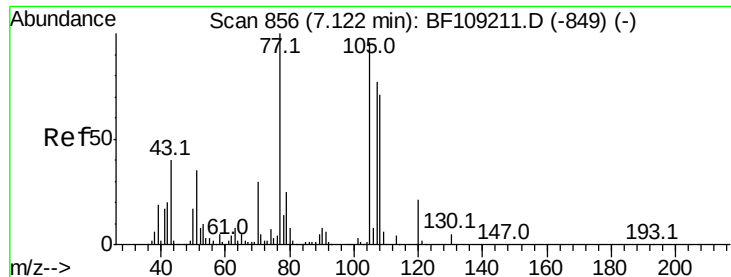
54 9.3 6.6 9.8

68 8.4 5.0 7.4#



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 2.098 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:105 Resp: 17185

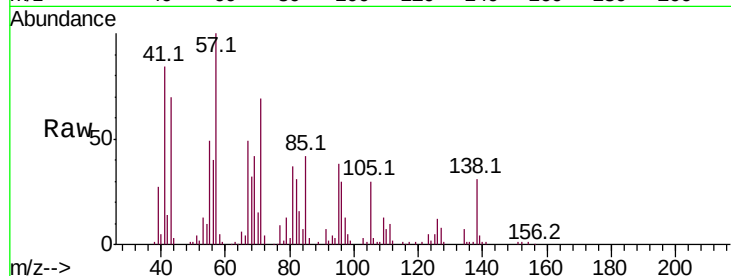
Ion Ratio Lower Upper

105 100

71 234.7 4.4 6.6#

51 14.9 22.3 33.5#

120 0.0 16.9 25.3#

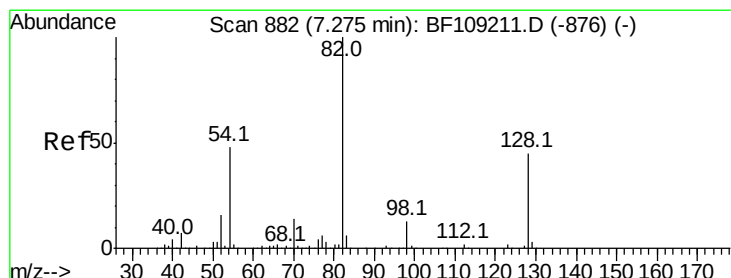
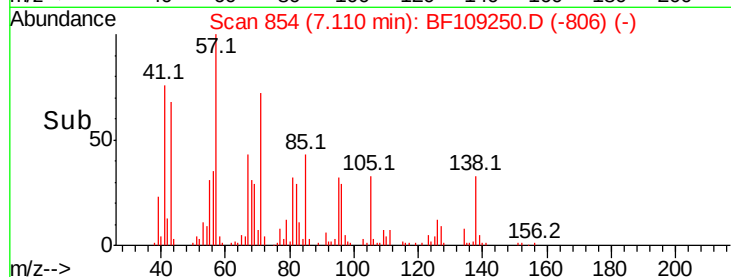
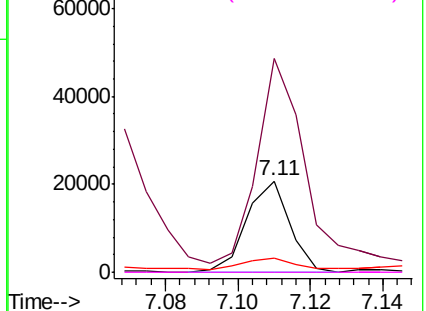


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 104.010 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

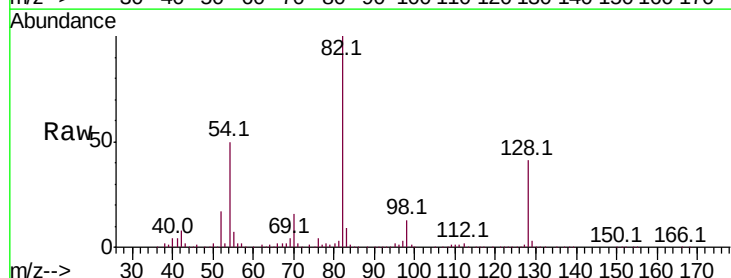
Tgt Ion: 82 Resp: 624373

Ion Ratio Lower Upper

82 100

128 41.2 36.1 54.1

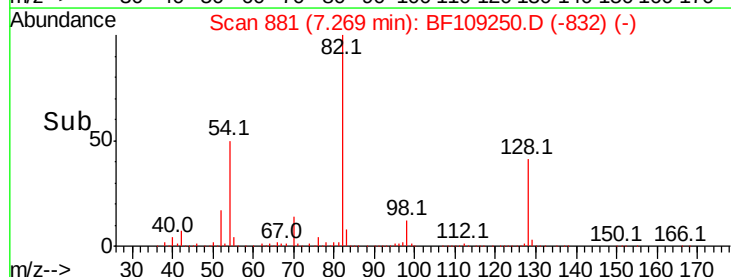
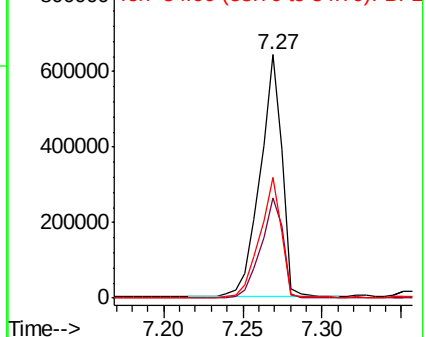
54 49.7 41.4 62.2

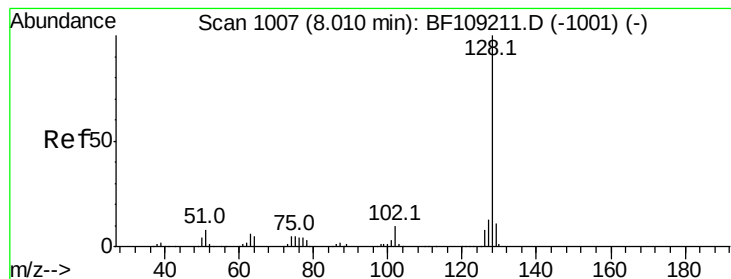


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 2.367 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

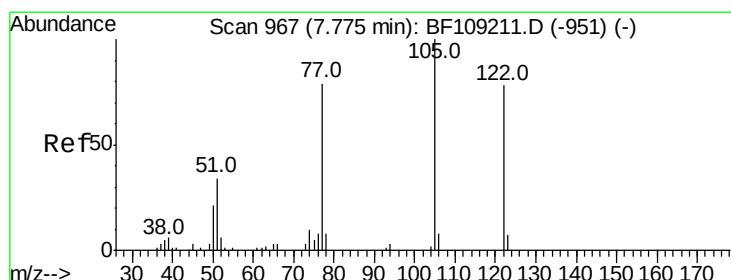
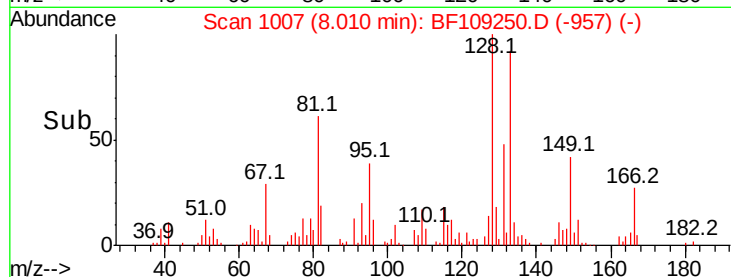
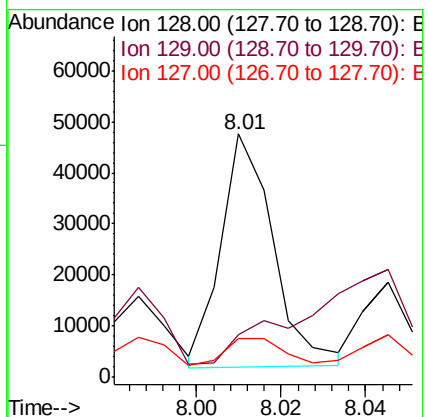
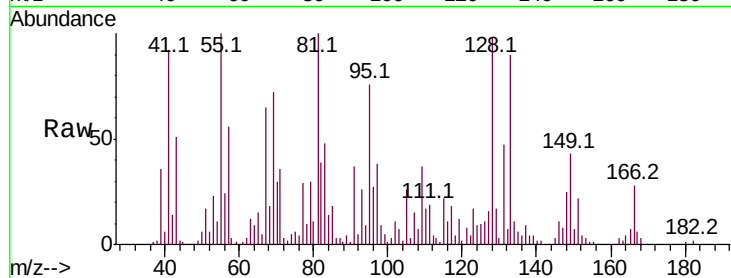
Tot Ion:128 Resp: 39193

Ion Ratio Lower Upper

128 100

129 17.6 8.8 13.2#

127 16.1 10.9 16.3



#32

Benzoic acid

Concen: 8.389 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

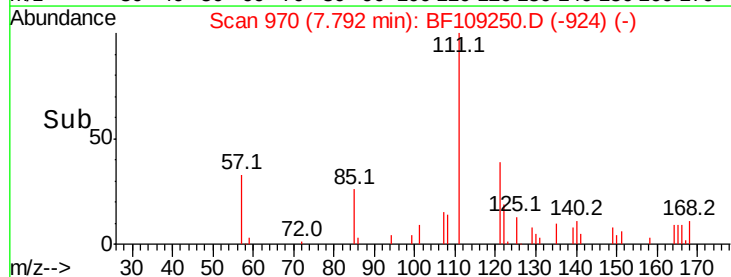
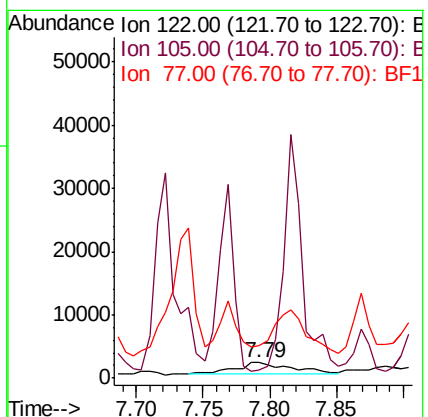
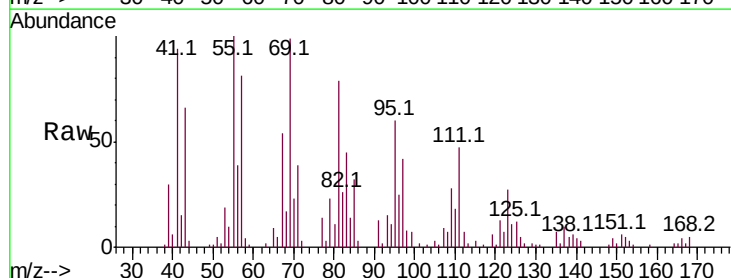
Tgt Ion:122 Resp: 5935

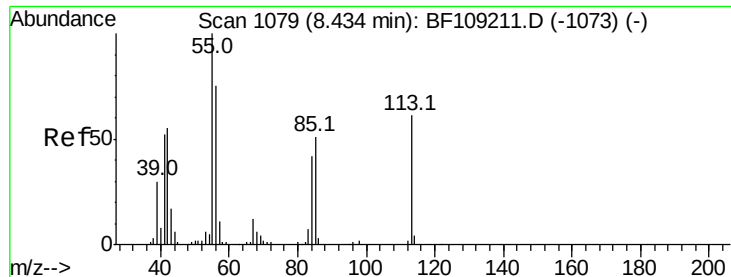
Ion Ratio Lower Upper

122 100

105 50.7 101.1 141.1#

77 203.1 70.7 110.7#

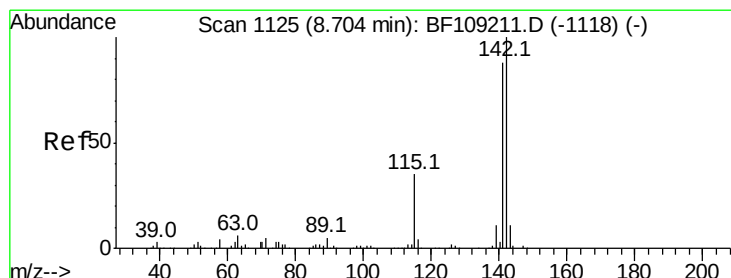
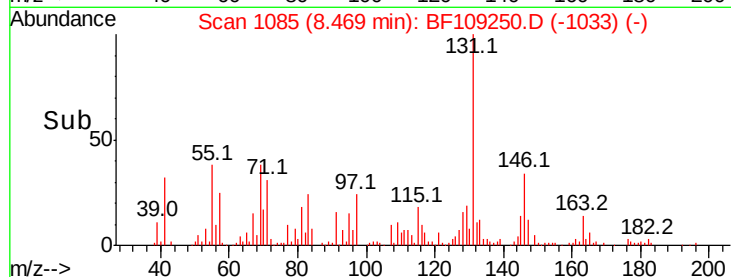
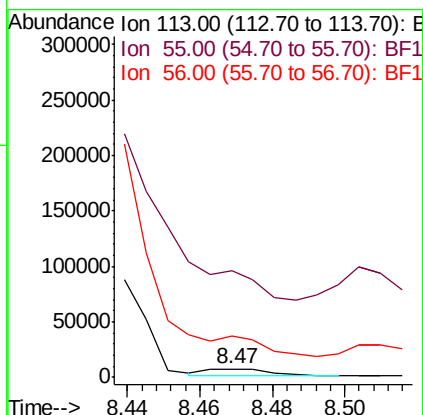
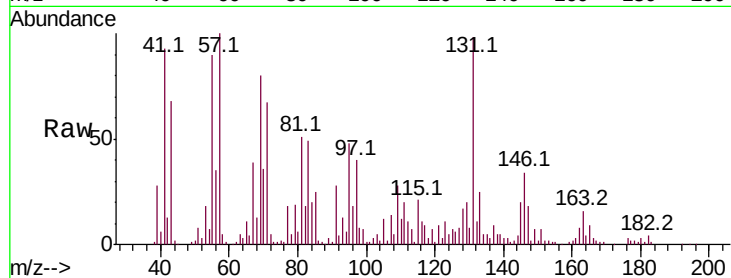




#35  
 Caprolactam  
 Concen: 4.447 ng  
 RT: 8.47 min Scan# 1085  
 Delta R.T. 0.01 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

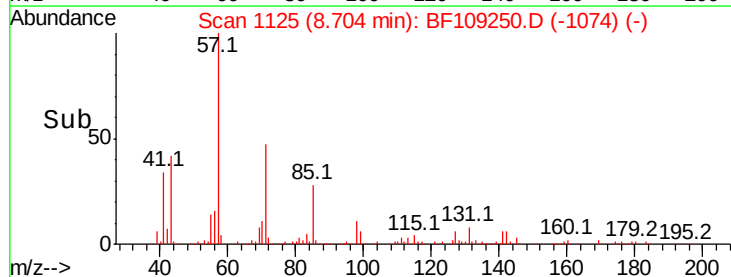
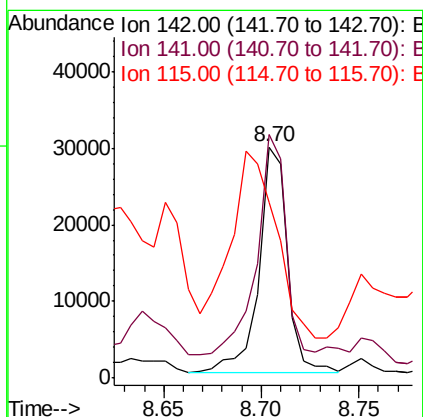
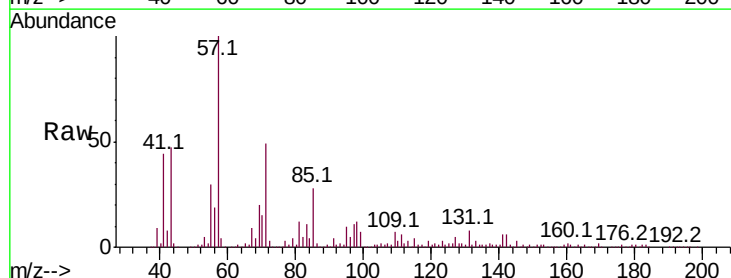
Instrument :  
 BNA\_F  
 ClientSampled :

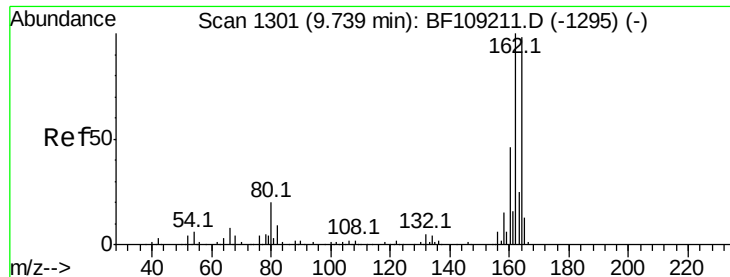
Tot Ion:113 Resp: 7026  
 Ion Ratio Lower Upper  
 113 100  
 55 1264.3 163.3 203.3#  
 56 495.4 115.7 155.7#



#37  
 2-Methylnaphthalene  
 Concen: 2.784 ng  
 RT: 8.70 min Scan# 1125  
 Delta R.T. -0.00 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

Tgt Ion:142 Resp: 29722  
 Ion Ratio Lower Upper  
 142 100  
 141 105.4 70.8 106.2  
 115 76.0 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

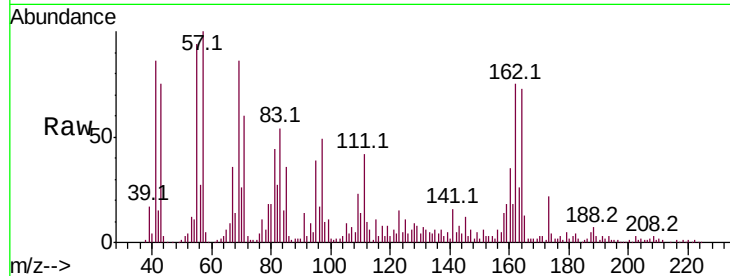
Tot Ion:164 Resp: 132238

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

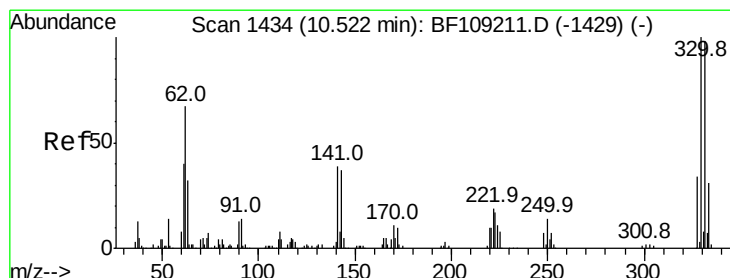
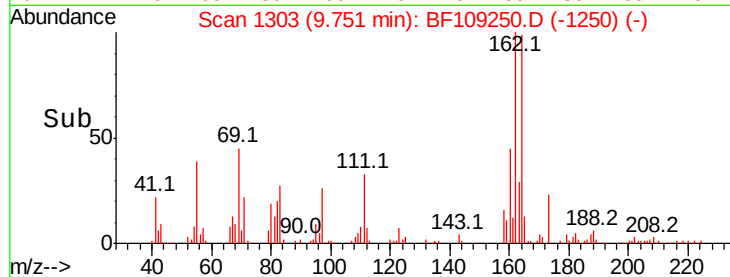
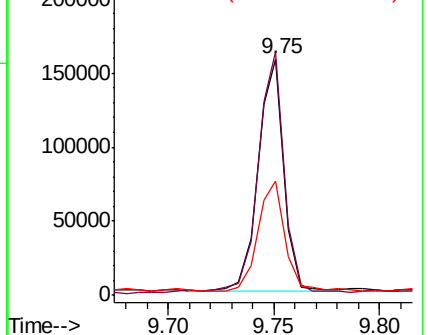
160 48.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 110.654 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

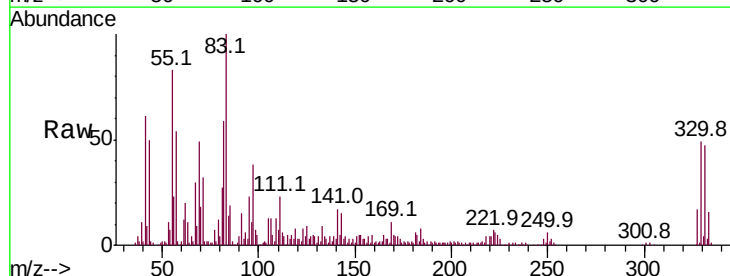
Tgt Ion:330 Resp: 144247

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

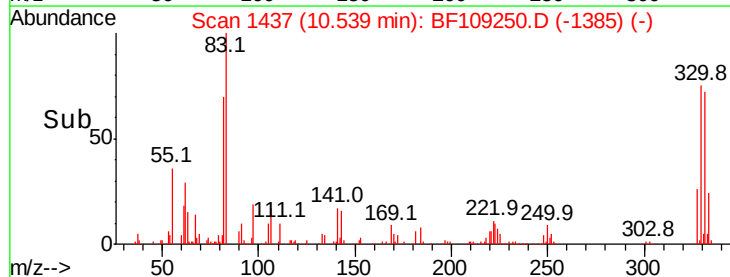
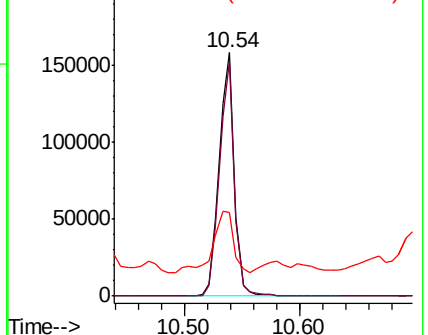
141 34.3 29.9 44.9



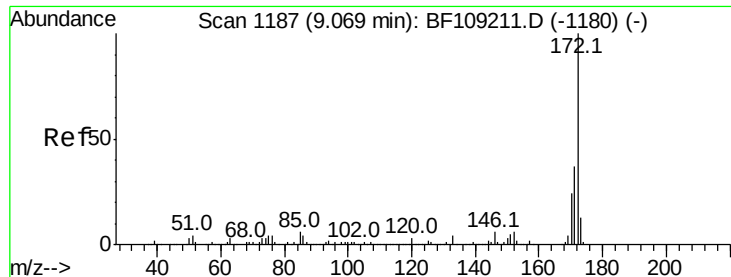
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



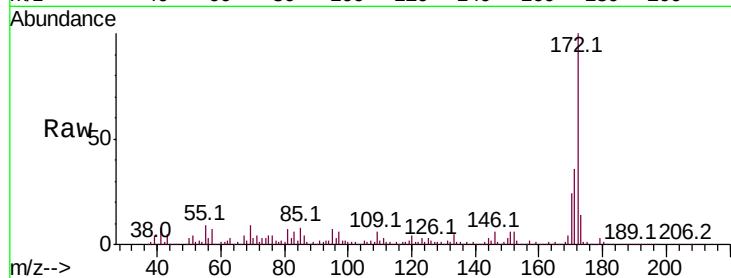




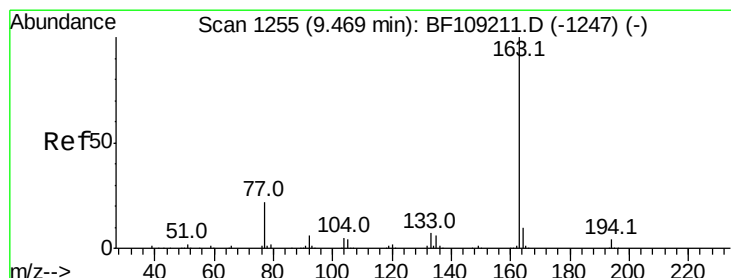
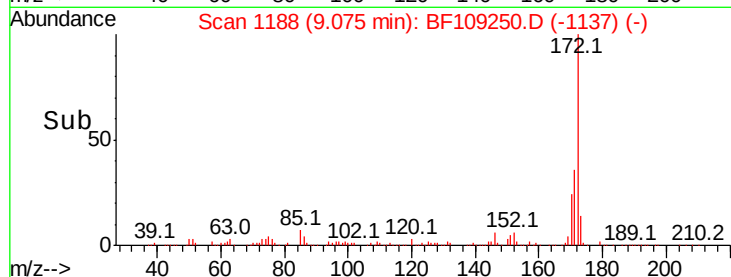
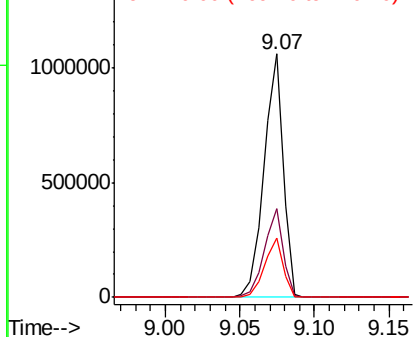
#44  
2-Fluorobiphenyl  
Concen: 106.721 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: BF109250.D  
Acq: 23 Sep 2018 5:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 935724  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.7 44.5  
170 24.5 19.6 29.4

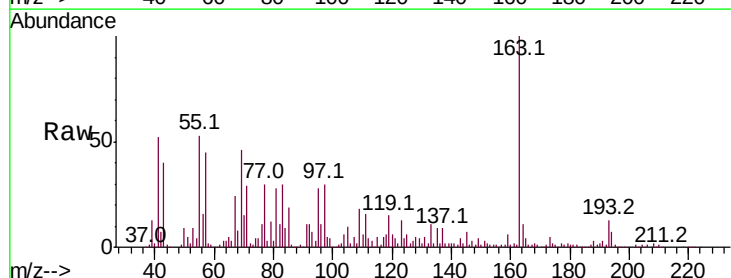


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

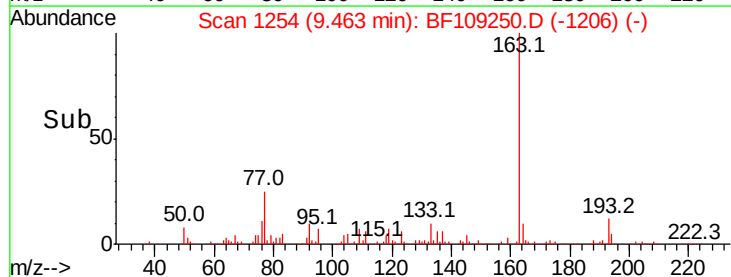
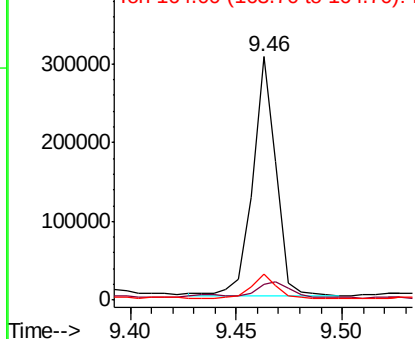


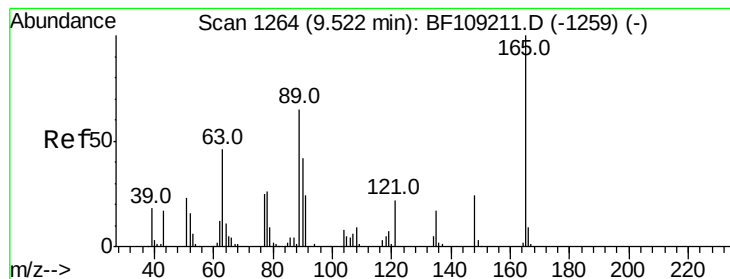
#49  
Dimethylphthalate  
Concen: 24.382 ng  
RT: 9.46 min Scan# 1254  
Delta R.T. -0.02 min  
Lab File: BF109250.D  
Acq: 23 Sep 2018 5:06

Tgt Ion:163 Resp: 234513  
Ion Ratio Lower Upper  
163 100  
194 6.7 2.7 4.1#  
164 10.8 8.2 12.2



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: 3.841 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

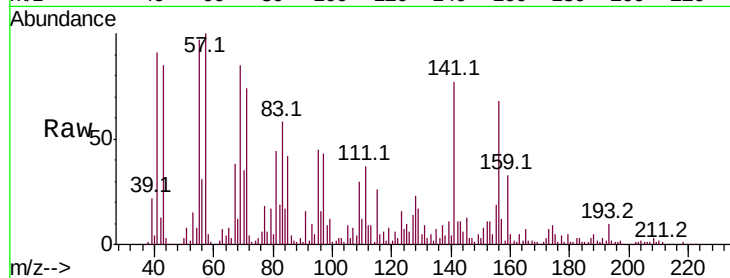
Tot Ion:165 Resp: 7317

Ion Ratio Lower Upper

165 100

63 103.3 44.7 67.1#

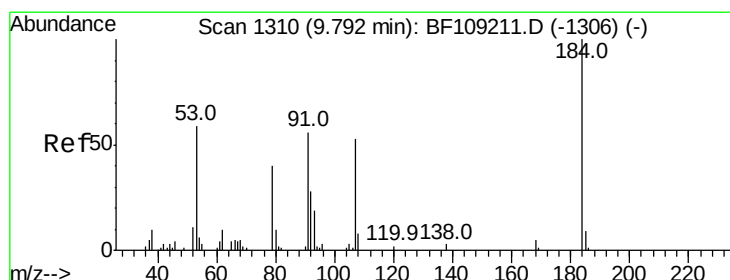
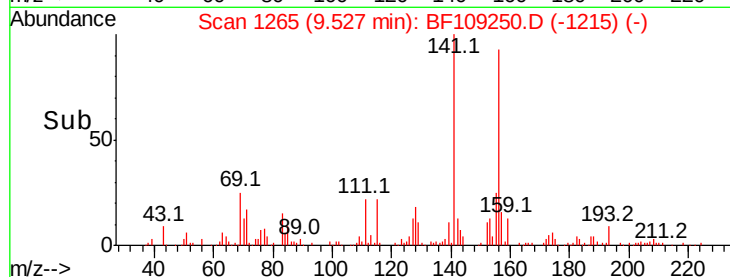
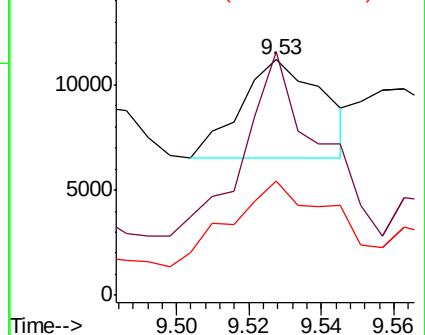
89 48.6 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#53

2,4-Dinitrophenol

Concen: 9.235 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

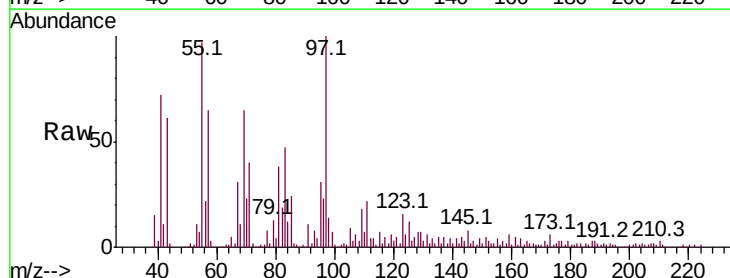
Tgt Ion:184 Resp: 554

Ion Ratio Lower Upper

184 100

63 384.2 54.2 81.2#

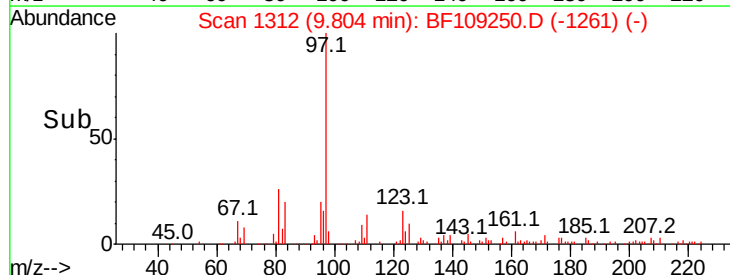
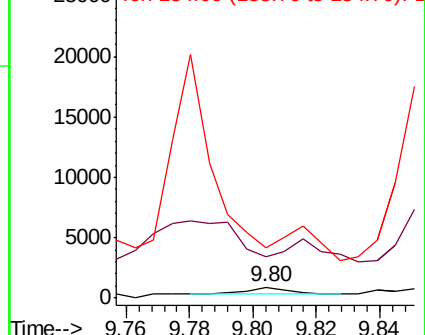
154 469.6 184.0 276.0#

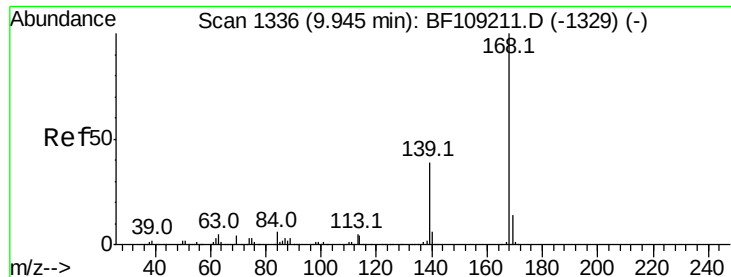


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.055 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

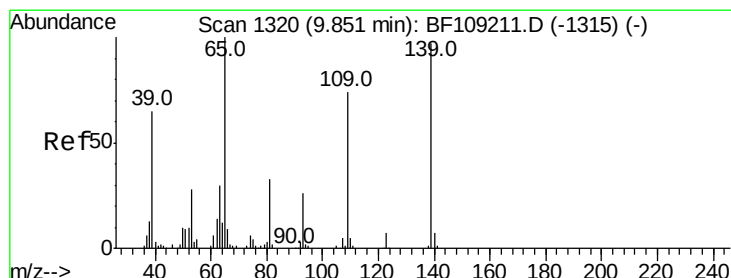
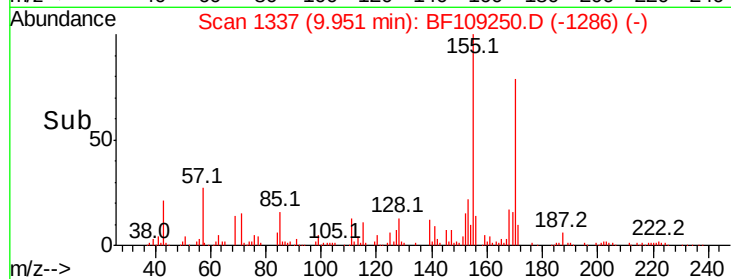
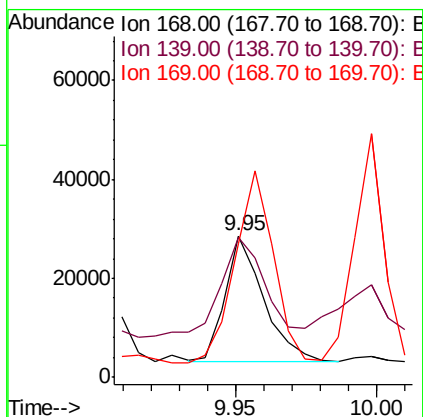
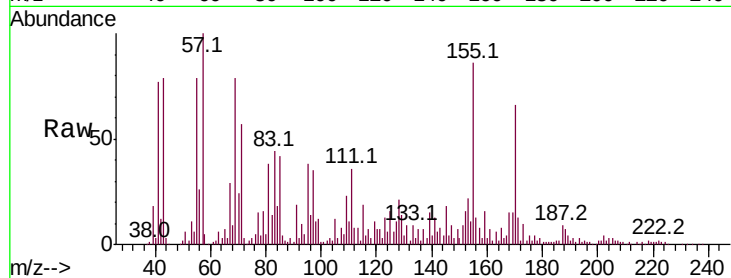
Tot Ion:168 Resp: 23990

Ion Ratio Lower Upper

168 100

139 99.0 30.1 45.1#

169 94.7 10.9 16.3#



#55

4-Nitrophenol

Concen: 9.816 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

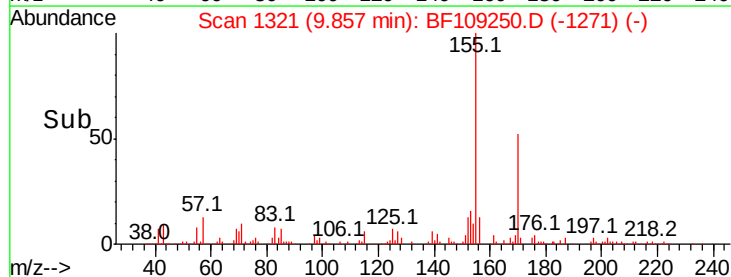
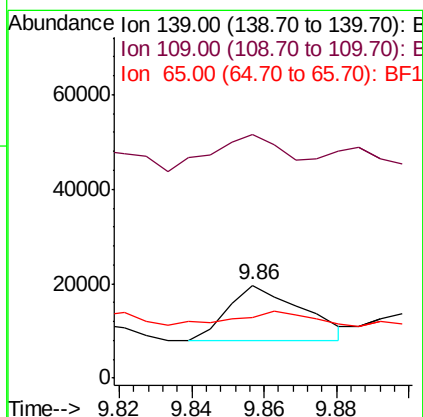
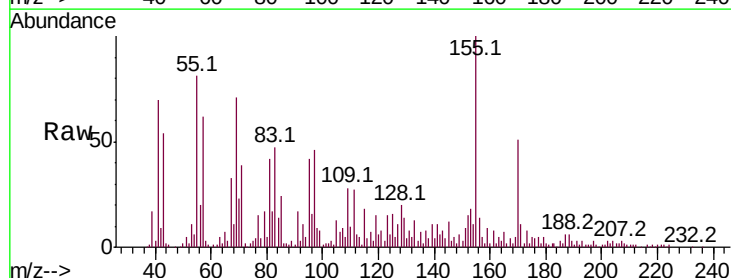
Tgt Ion:139 Resp: 16313

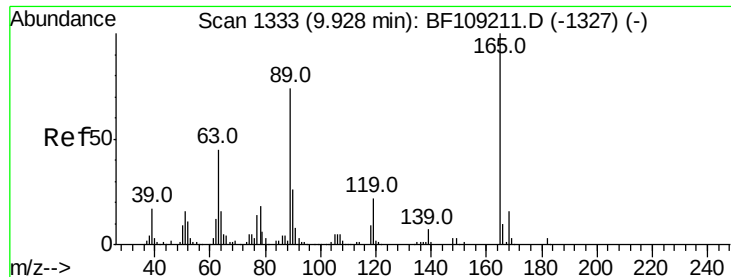
Ion Ratio Lower Upper

139 100

109 263.0 48.4 88.4#

65 65.7 72.6 112.6#





#56

2,4-Dinitrotoluene

Concen: 4.639 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.02 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 11180

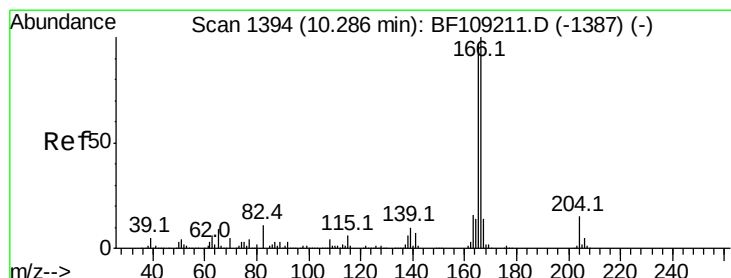
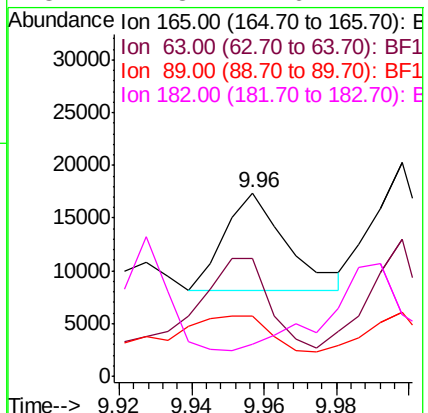
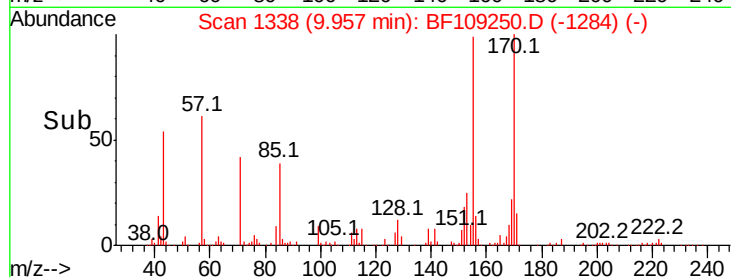
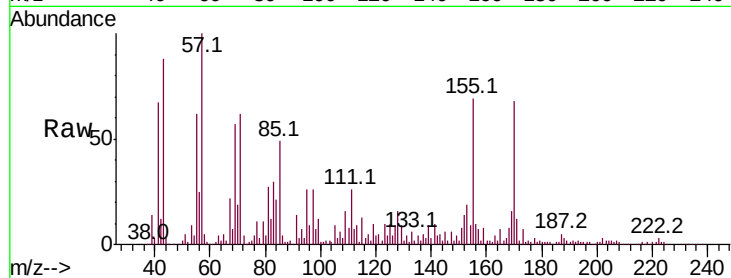
Ion Ratio Lower Upper

165 100

63 64.3 36.4 54.6#

89 32.7 57.8 86.6#

182 17.8 1.6 2.4#



#57

Fluorene

Concen: 4.573 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

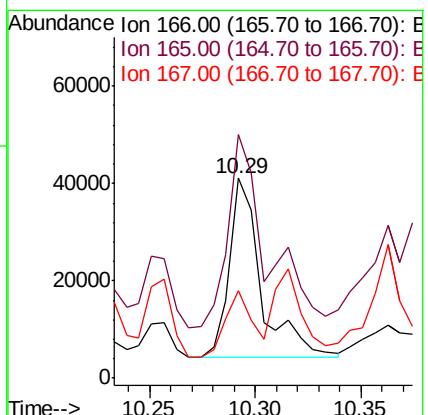
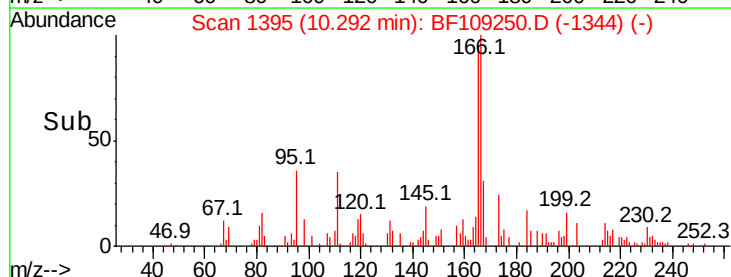
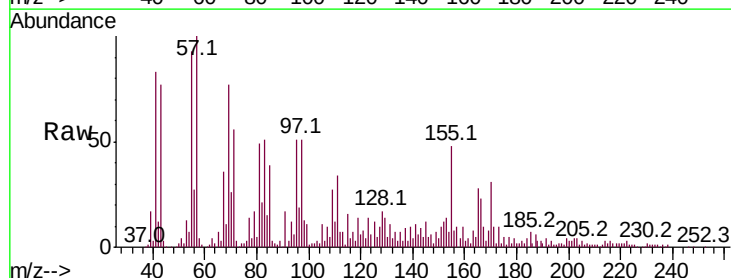
Tgt Ion:166 Resp: 38095

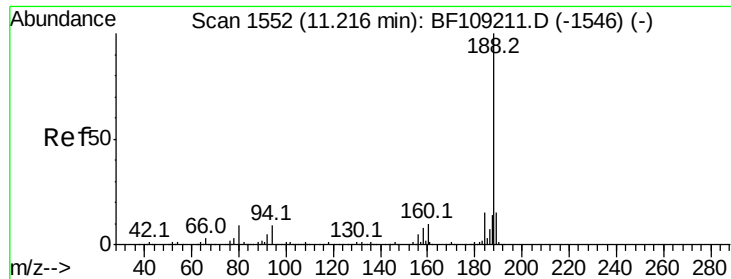
Ion Ratio Lower Upper

166 100

165 121.9 79.8 119.8#

167 43.6 10.6 16.0#

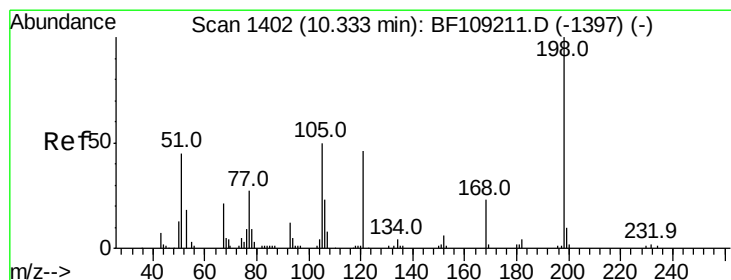
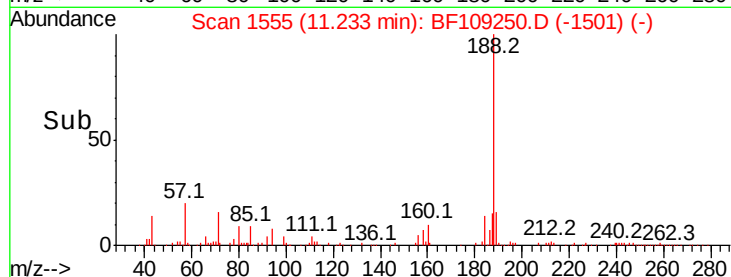
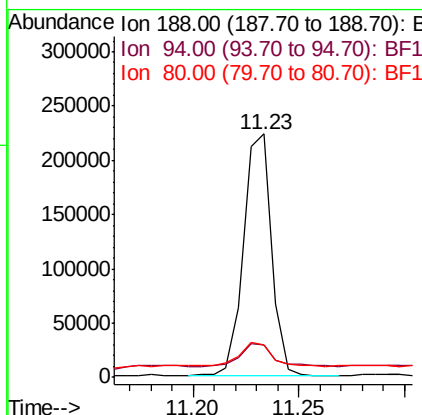
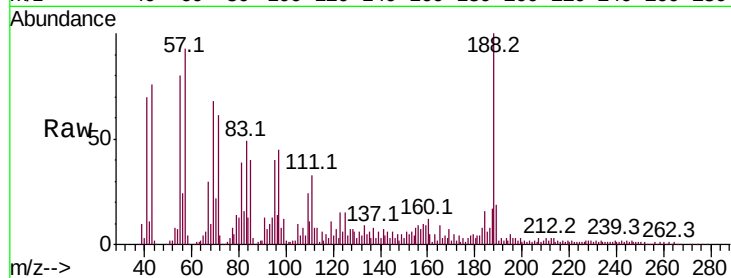




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. 0.02 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

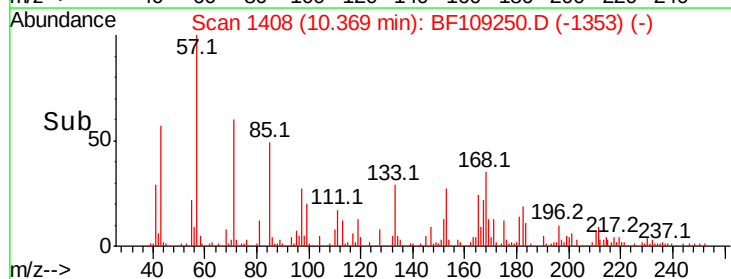
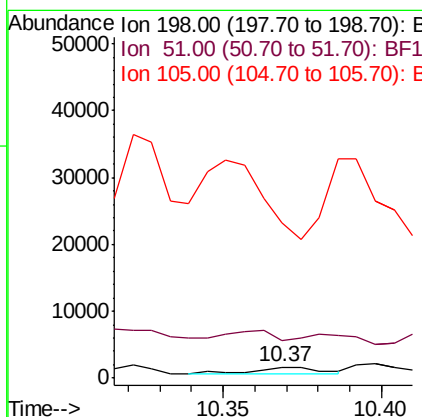
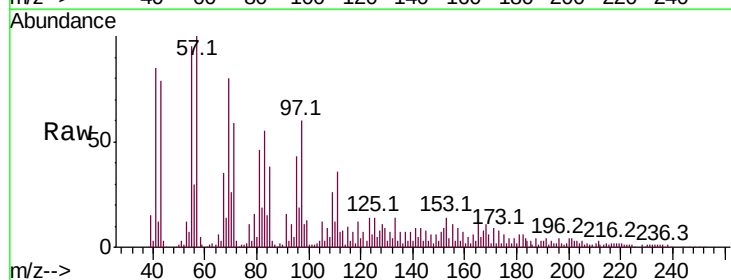
Instrument :  
 BNA\_F  
 ClientSampleId :

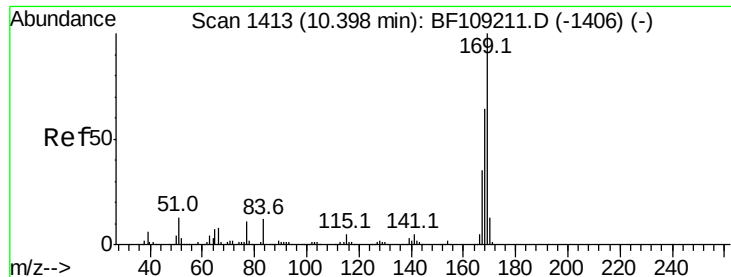
Tot Ion:188 Resp: 203124  
 Ion Ratio Lower Upper  
 188 100  
 94 13.1 8.5 12.7#  
 80 13.2 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.895 ng  
 RT: 10.37 min Scan# 1408  
 Delta R.T. 0.02 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

Tgt Ion:198 Resp: 1294  
 Ion Ratio Lower Upper  
 198 100  
 51 346.0 37.7 77.7#  
 105 1424.5 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 15.077 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

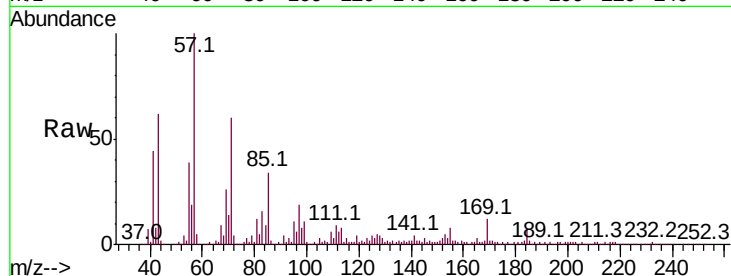
Tot Ion:169 Resp: 101183

Ion Ratio Lower Upper

169 100

168 14.2 54.4 81.6#

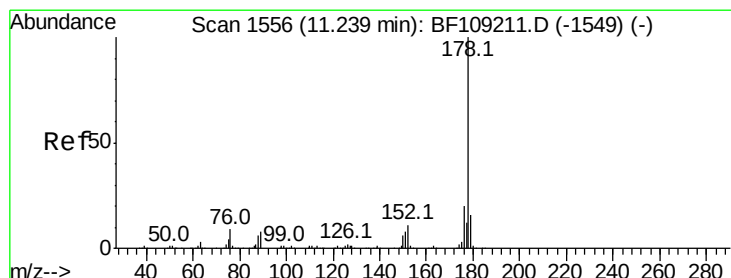
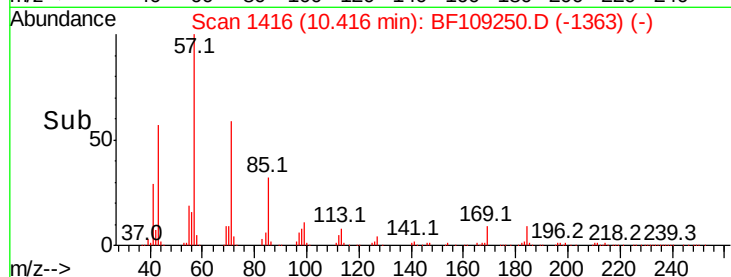
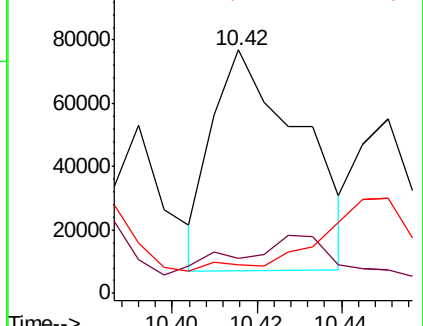
167 11.7 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 13.373 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

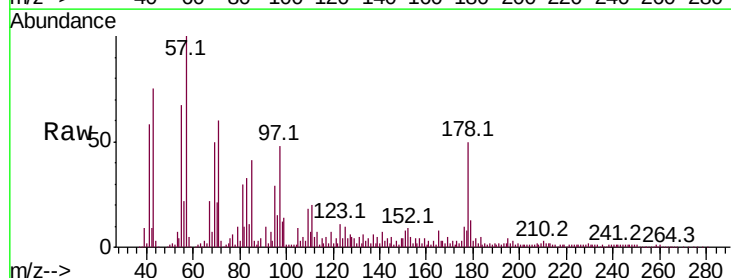
Tgt Ion:178 Resp: 135625

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

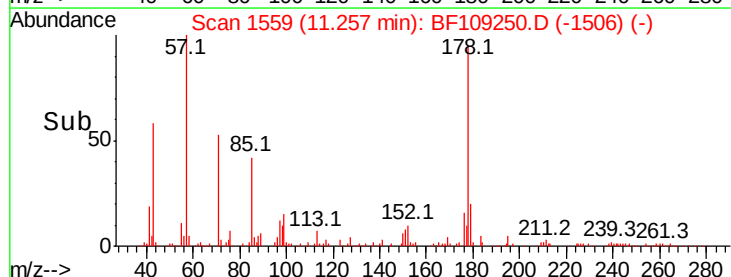
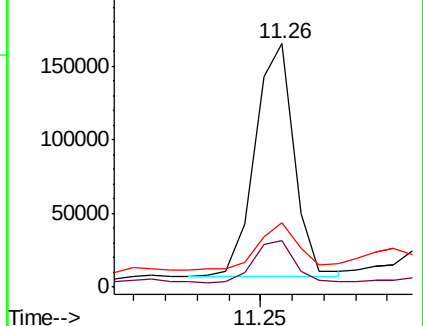
179 26.5 13.0 19.6#

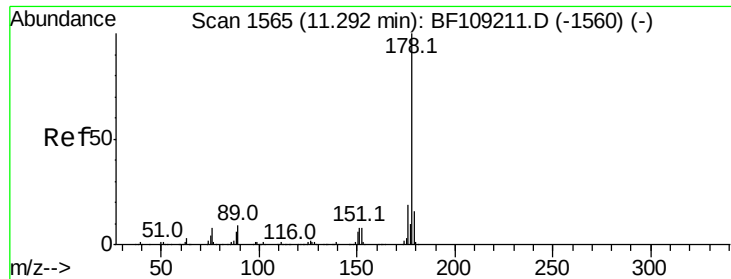


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

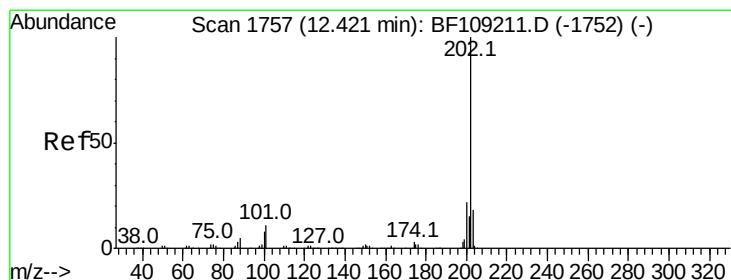
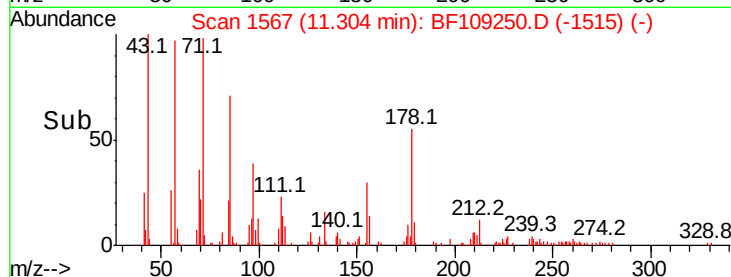
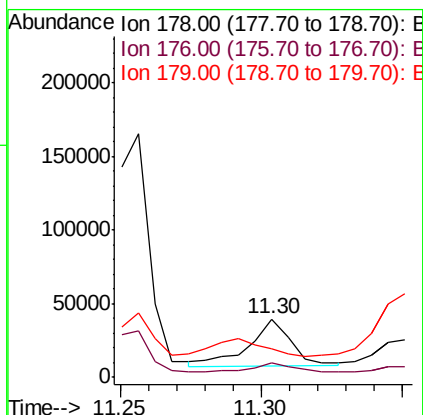
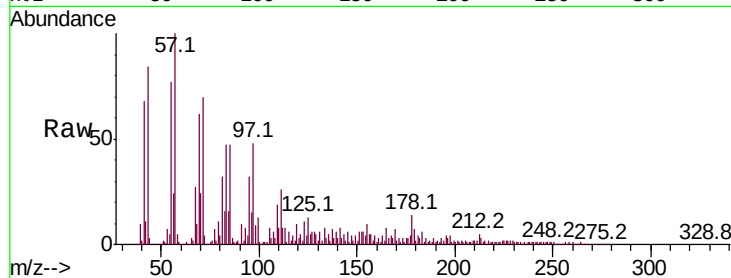




#71  
 Anthracene  
 Concen: 3.221 ng  
 RT: 11.30 min Scan# 1567  
 Delta R.T. 0.01 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

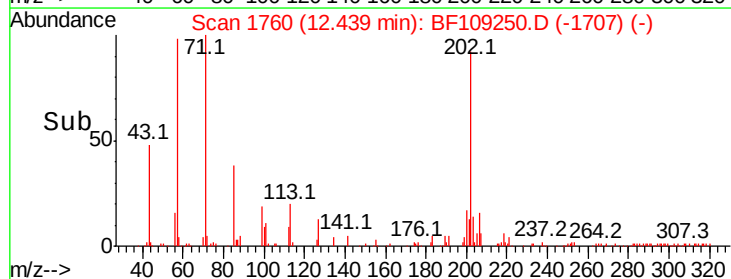
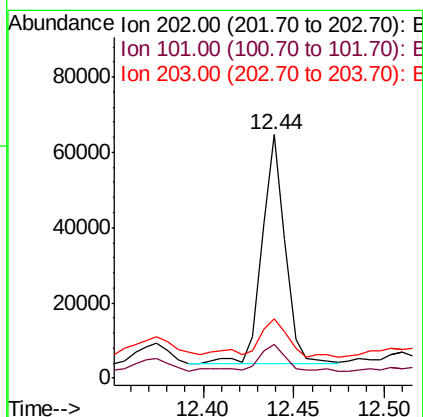
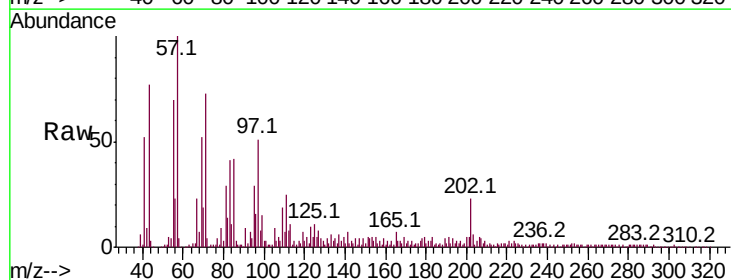
Instrument :  
 BNA\_F  
 ClientSampled :

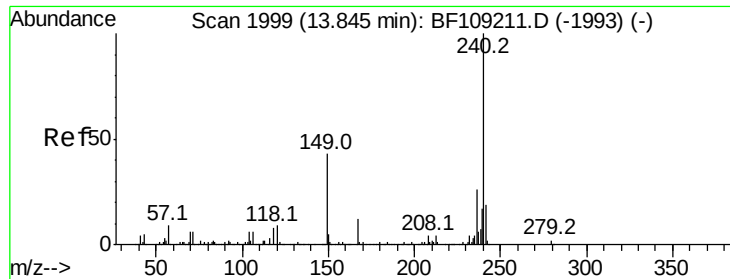
Tot Ion:178 Resp: 33137  
 Ion Ratio Lower Upper  
 178 100  
 176 24.8 15.4 23.2#  
 179 49.0 12.6 19.0#



#74  
 Fluoranthene  
 Concen: 5.002 ng  
 RT: 12.44 min Scan# 1760  
 Delta R.T. 0.01 min  
 Lab File: BF109250.D  
 Acq: 23 Sep 2018 5:06

Tgt Ion:202 Resp: 54213  
 Ion Ratio Lower Upper  
 202 100  
 101 13.8 0.0 34.1  
 203 24.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampled :

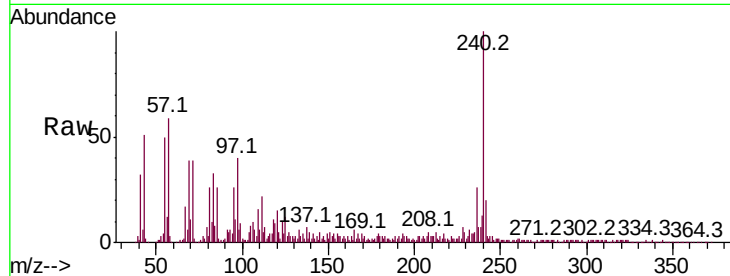
Tot Ion:240 Resp: 178915

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

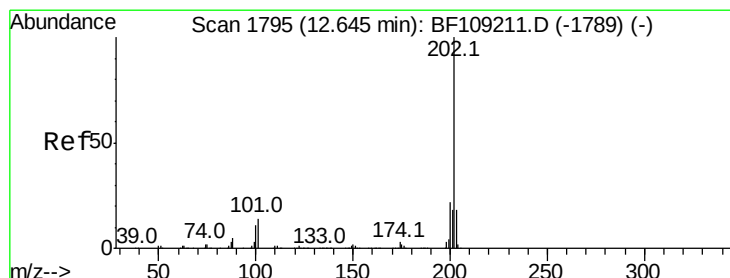
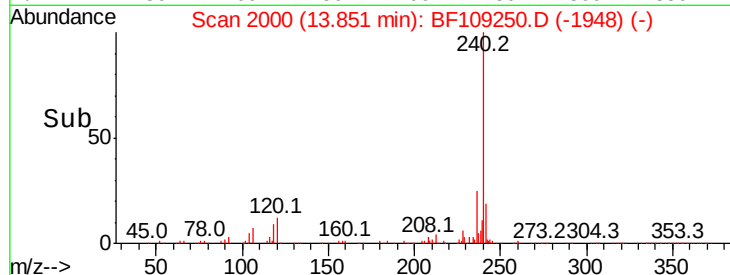
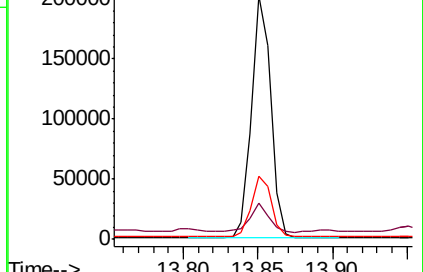
236 26.1 20.7 31.1



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: 5.572 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

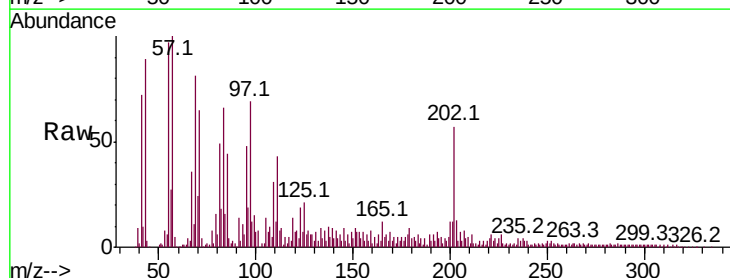
Tgt Ion:202 Resp: 71447

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

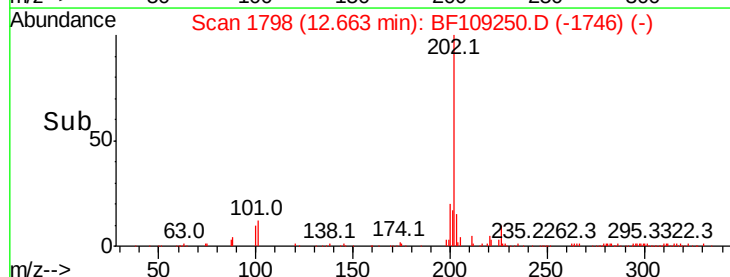
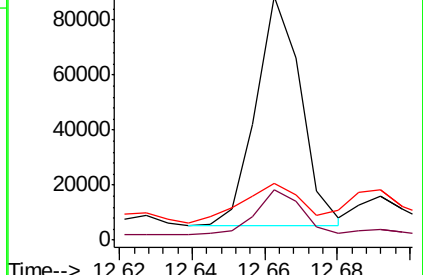
203 23.2 14.3 21.5#



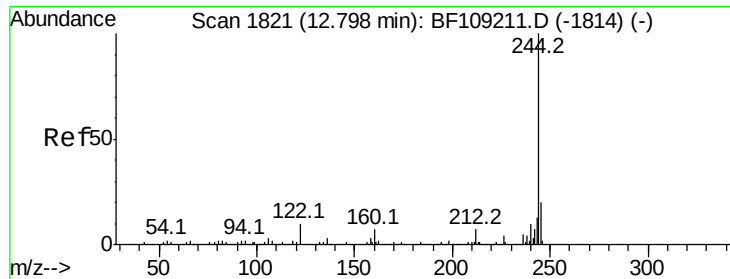
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#78

Terphenyl-d14

Concen: 81.775 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

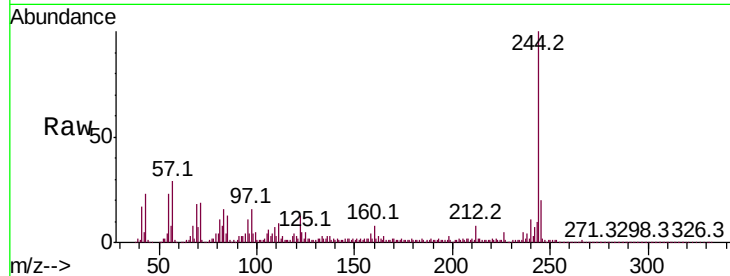
Tot Ion:244 Resp: 596164

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

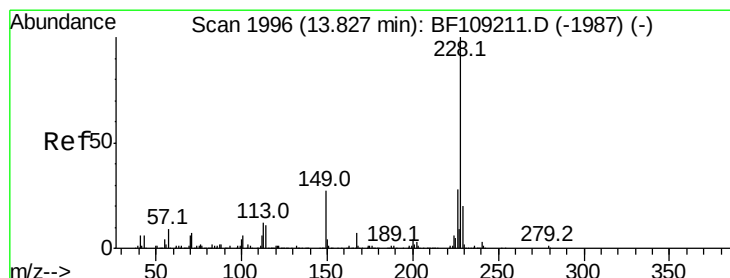
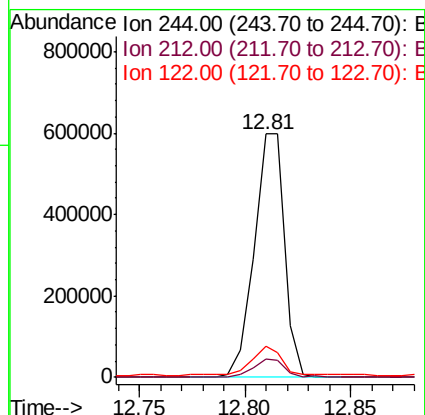
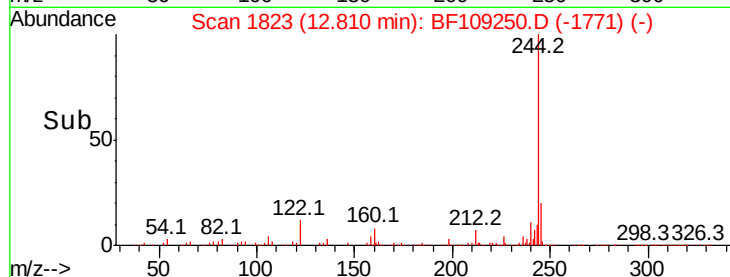
122 13.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.140 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

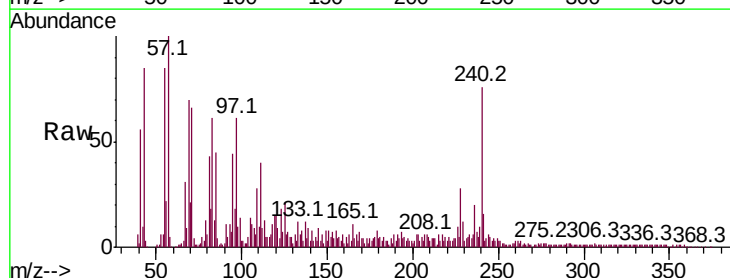
Tgt Ion:228 Resp: 33837

Ion Ratio Lower Upper

228 100

226 37.0 22.6 33.8#

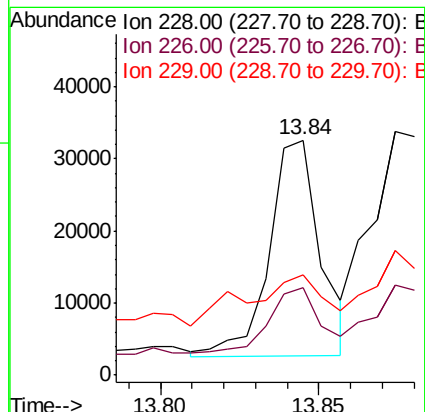
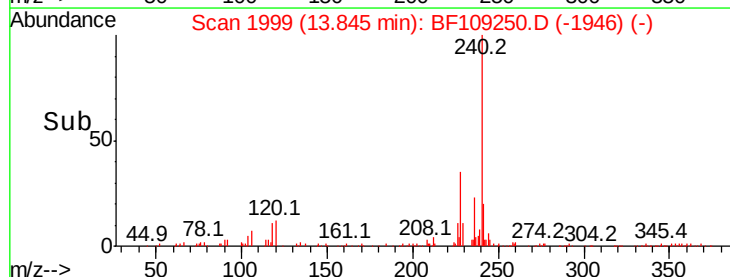
229 42.8 15.8 23.6#

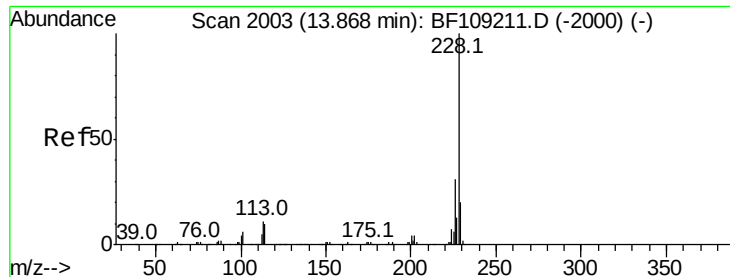


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.556 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

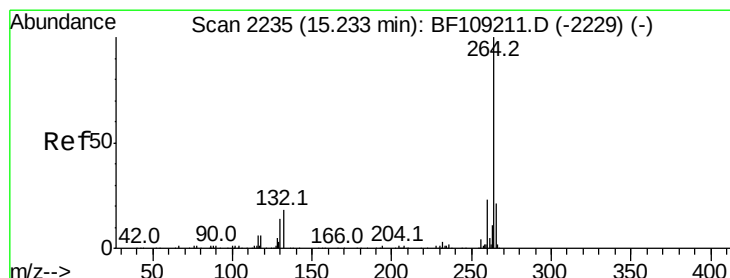
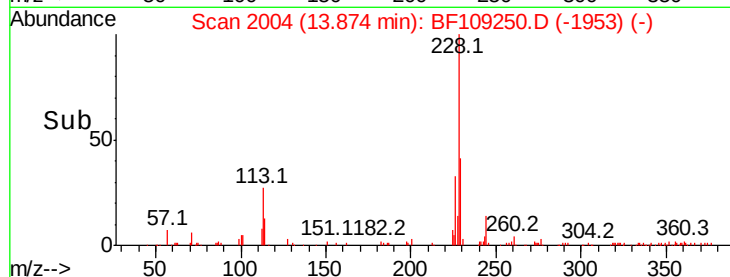
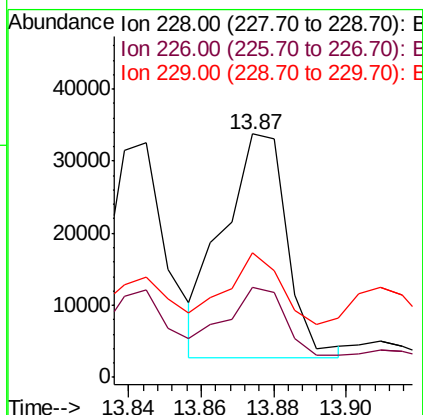
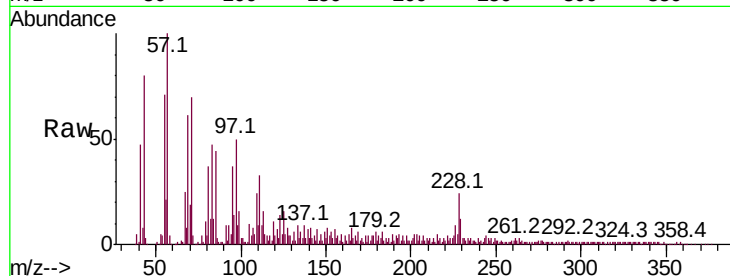
Tot Ion:228 Resp: 37983

Ion Ratio Lower Upper

228 100

226 36.9 25.0 37.6

229 51.0 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

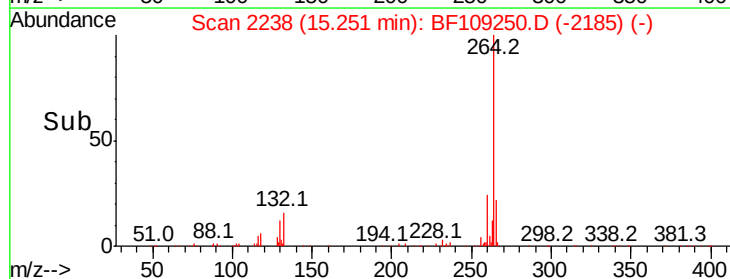
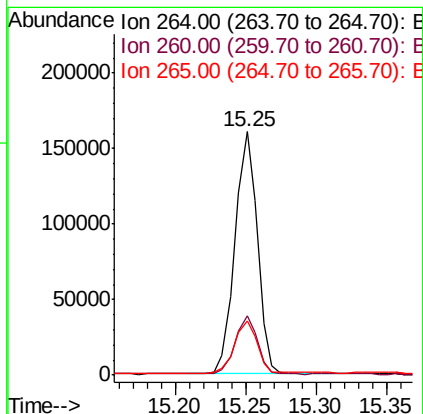
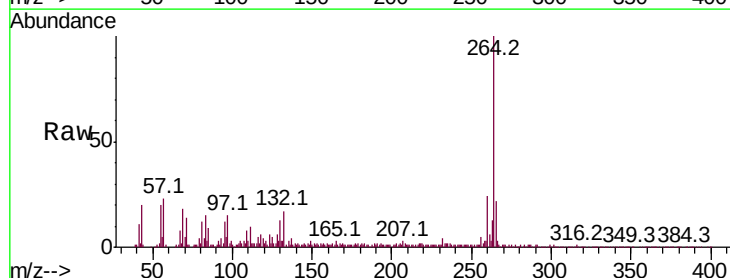
Tgt Ion:264 Resp: 177004

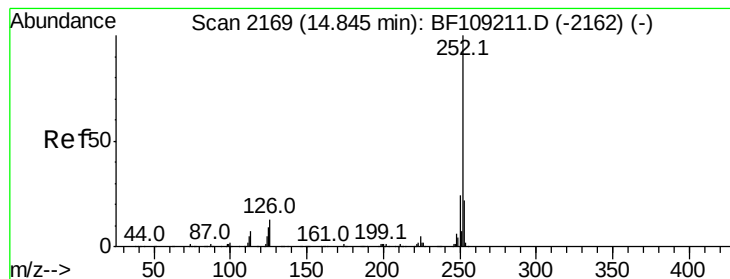
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.333 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

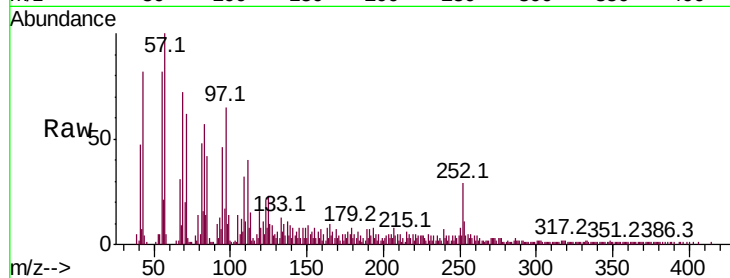
Tot Ion:252 Resp: 32421

Ion Ratio Lower Upper

252 100

253 37.2 17.0 25.6#

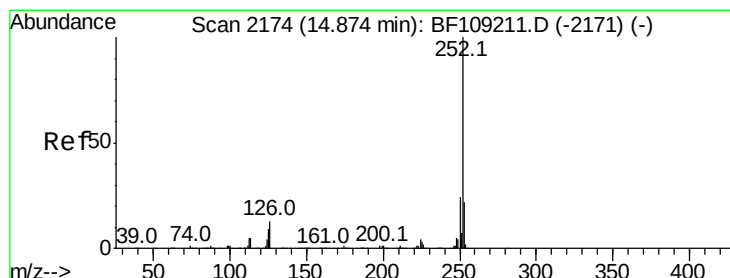
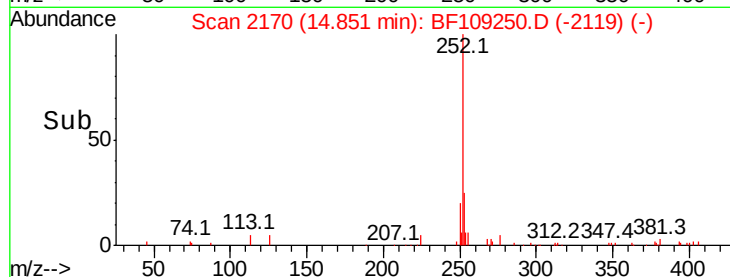
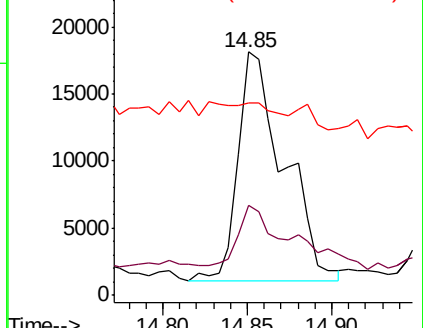
125 79.0 9.0 13.6#



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: 3.513 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

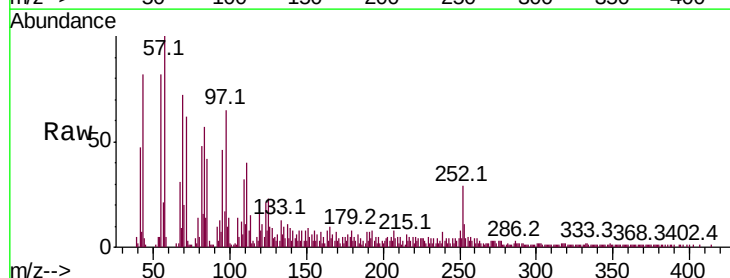
Tgt Ion:252 Resp: 32421

Ion Ratio Lower Upper

252 100

253 37.2 17.9 26.9#

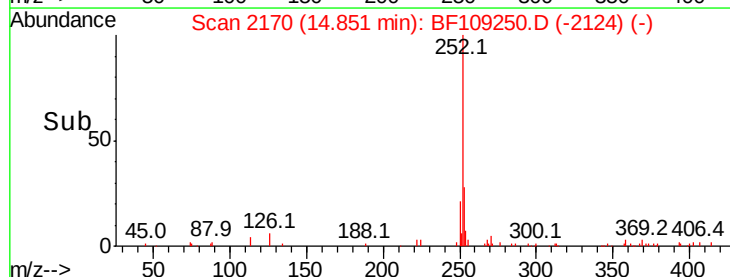
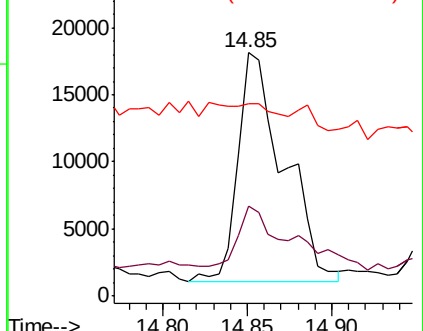
125 79.0 10.2 15.2#

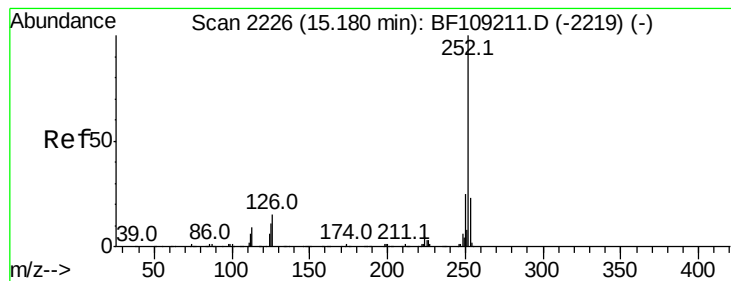


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.028 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA\_F

ClientSampleId :

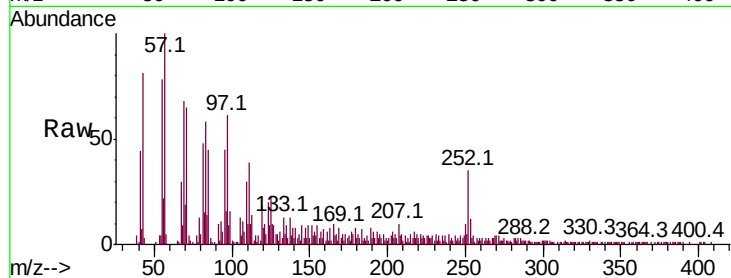
Tot Ion:252 Resp: 17778

Ion Ratio Lower Upper

252 100

253 33.1 17.1 25.7#

125 66.5 9.8 14.6#



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

