

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040215\  
 Data File : BF078222.D  
 Acq On : 3 Apr 2015 3:36  
 Operator : TP/IZ  
 Sample : G1736-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Quant Time: Apr 03 05:43:21 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 03 00:57:15 2015  
 Response via : Initial Calibration

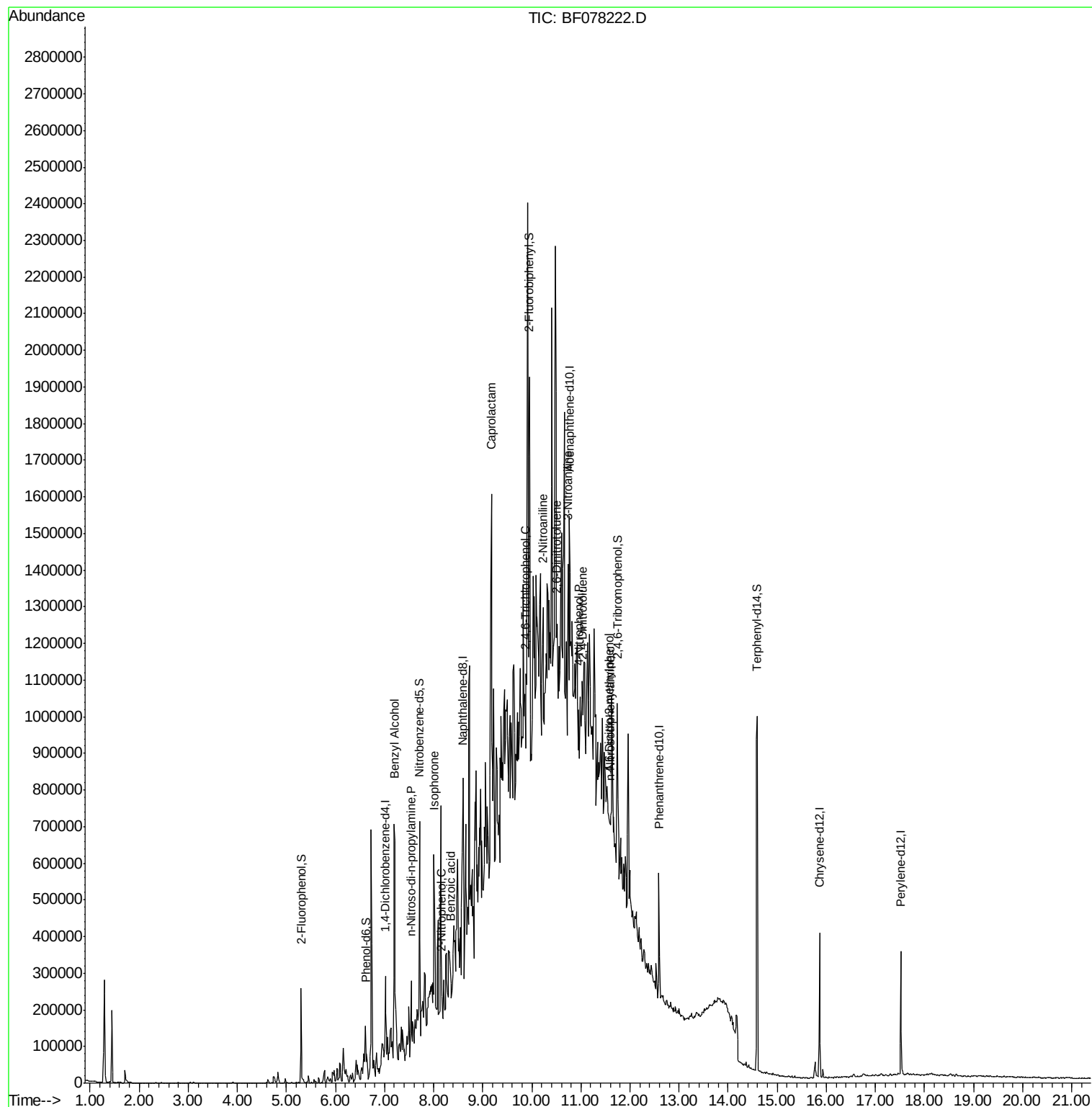
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.01  | 152  | 37885    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.59  | 136  | 144937   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.76 | 164  | 69508    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.59 | 188  | 136350   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 15.86 | 240  | 151263   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 17.52 | 264  | 143603   | 20.00  | ng    | -0.15    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 91678    | 39.90  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.61  | 99   | 68141    | 23.66  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.71  | 82   | 204792   | 85.64  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 11.75 | 330  | 73476    | 127.46 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.95  | 172  | 424651   | 87.33  | ng    | 0.01     |
| 78) Terphenyl-d14              | 14.59 | 244  | 480633   | 71.80  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 15) Benzyl Alcohol             | 7.20  | 79   | 5688     | 2.81   | ng    | # 55     |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 8095     | 4.26   | ng    | # 79     |
| 25) Isophorone                 | 8.01  | 82   | 25355    | 5.59   | ng    | # 1      |
| 26) 2-Nitrophenol              | 8.17  | 139  | 4677     | 3.93   | ng    | # 1      |
| 32) Benzoic acid               | 8.34  | 122  | 5128     | 10.12  | ng    | # 13     |
| 35) Caprolactam                | 9.17  | 113  | 22879    | 38.03  | ng    | # 1      |
| 42) 2,4,6-Trichlorophenol      | 9.86  | 196  | 4349     | 3.20   | ng    | # 13     |
| 47) 2-Nitroaniline             | 10.22 | 65   | 2745     | 2.48   | ng    | # 10     |
| 50) 2,6-Dinitrotoluene         | 10.50 | 165  | 5055     | 4.71   | ng    | # 71     |
| 52) 3-Nitroaniline             | 10.74 | 138  | 3515     | 2.88   | ng    | # 24     |
| 55) 4-Nitrophenol              | 10.96 | 139  | 1598     | 4.48   | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 11.04 | 165  | 4430     | 3.18   | ng    | # 66     |
| 64) 4,6-Dinitro-2-methylphenol | 11.57 | 198  | 2516     | 11.62  | ng    | # 1      |
| 65) n-Nitrosodiphenylamine     | 11.60 | 169  | 33550    | 7.11   | ng    | # 37     |

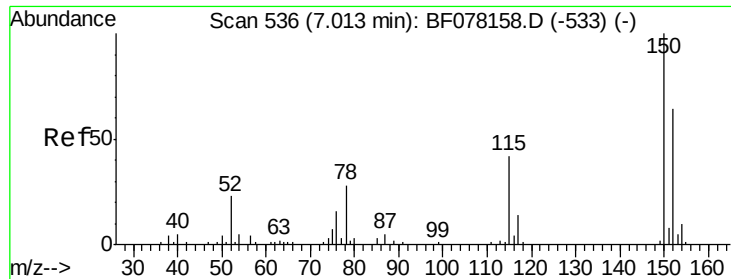
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Time: Apr 03 05:43:21 2015  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 03 00:57:15 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampleId :

MW-02

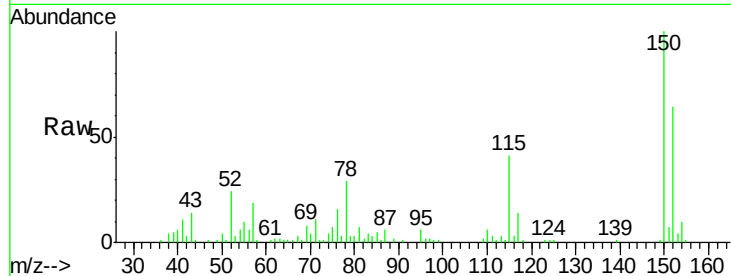
Tgt Ion:152 Resp: 37885

Ion Ratio Lower Upper

152 100

150 155.4 125.9 188.9

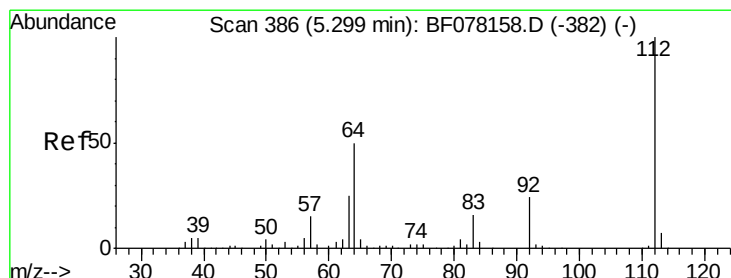
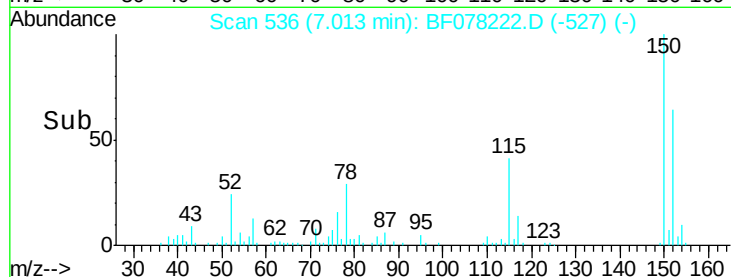
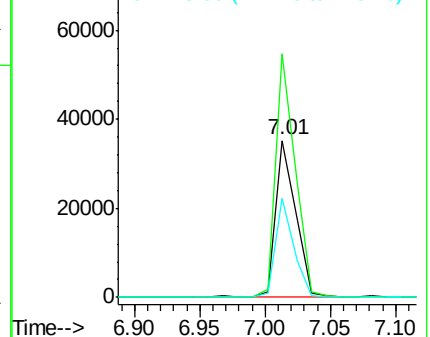
115 63.5 52.7 79.1



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: 39.90 ng

RT: 5.30 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

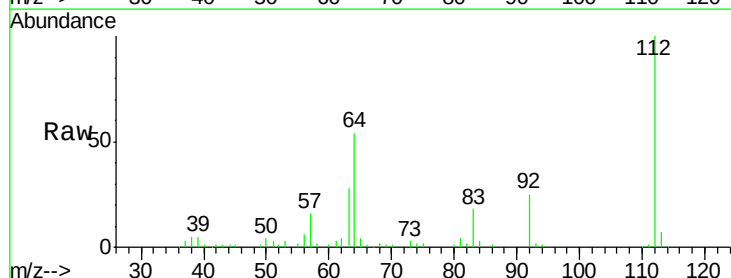
Tgt Ion:112 Resp: 91678

Ion Ratio Lower Upper

112 100

64 54.2 39.9 59.9

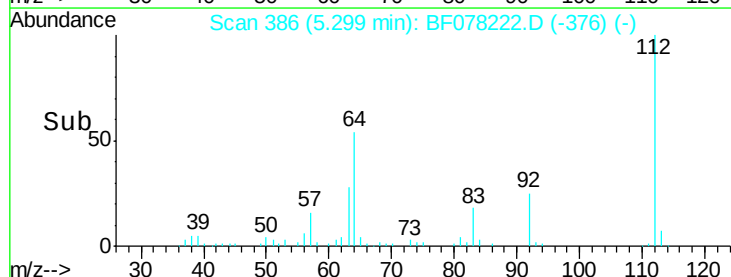
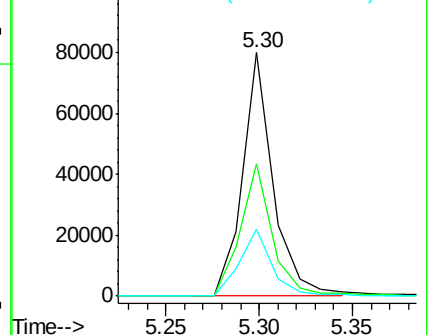
63 27.7 20.2 30.4

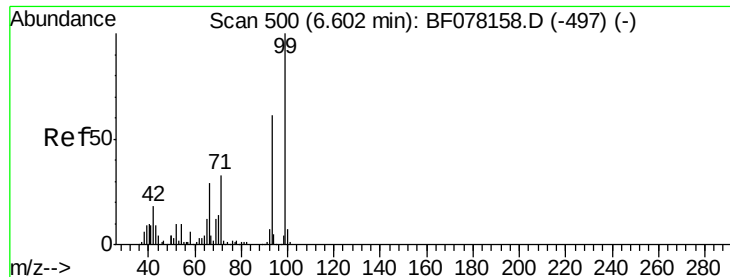


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.66 ng

RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampleId :

MW-02

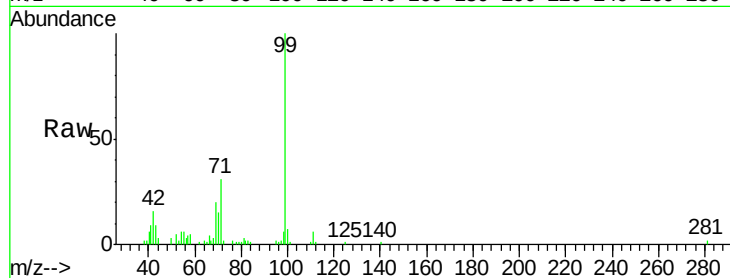
Tgt Ion: 99 Resp: 68141

Ion Ratio Lower Upper

99 100

42 16.4 14.8 22.2

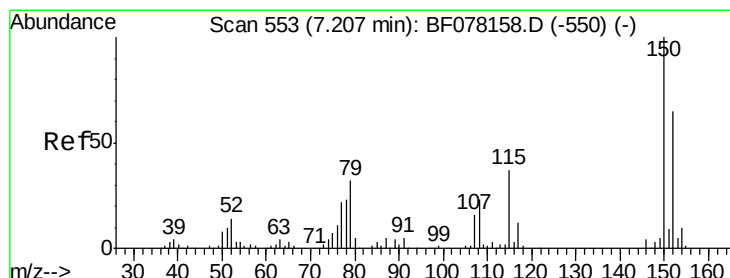
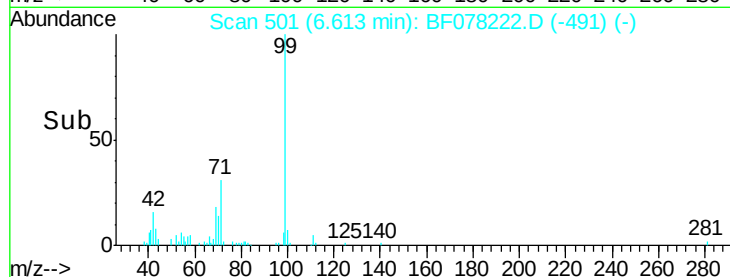
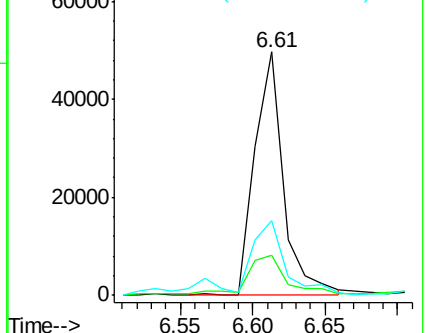
71 30.6 26.6 39.8



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: 2.81 ng

RT: 7.20 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

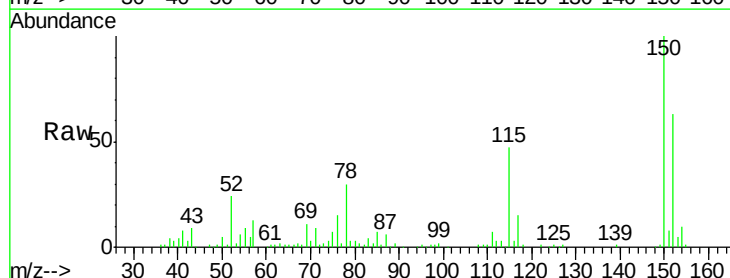
Tgt Ion: 79 Resp: 5688

Ion Ratio Lower Upper

79 100

108 24.3 57.6 86.4#

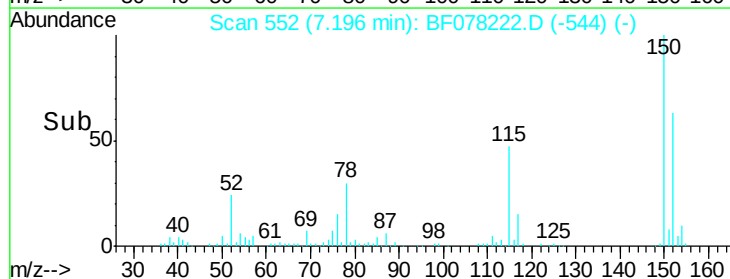
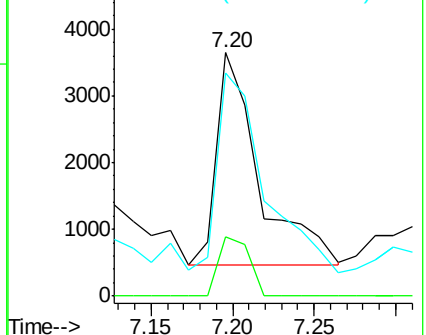
77 91.8 53.5 80.3#

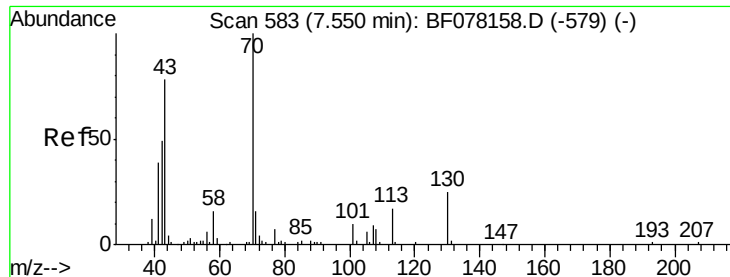


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

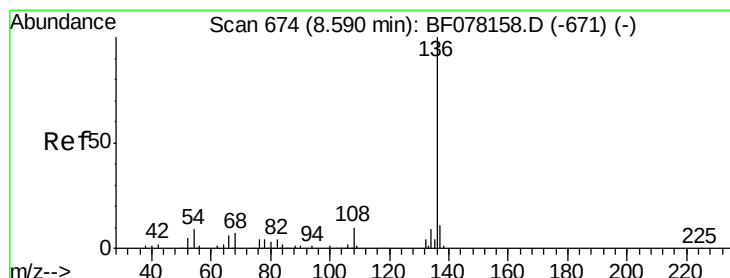
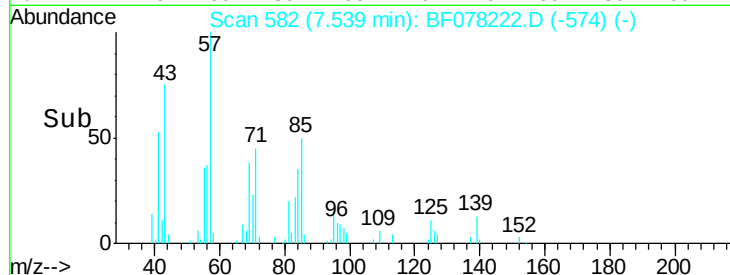
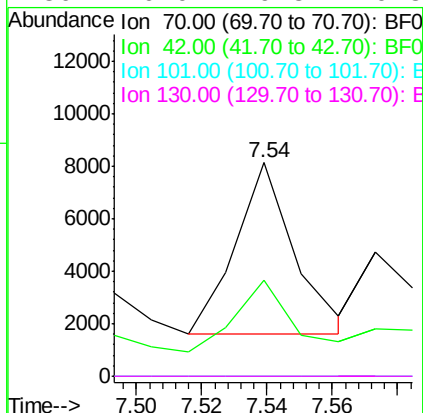
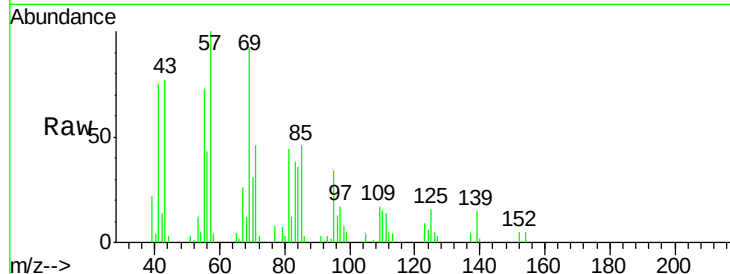




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.26 ng  
RT: 7.54 min Scan# 582  
Delta R.T. -0.01 min  
Lab File: BF078222.D  
Acq: 3 Apr 2015 3:36

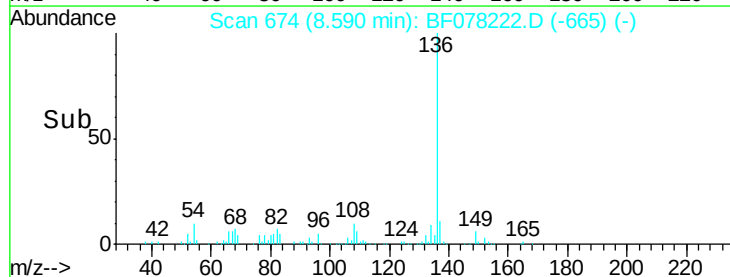
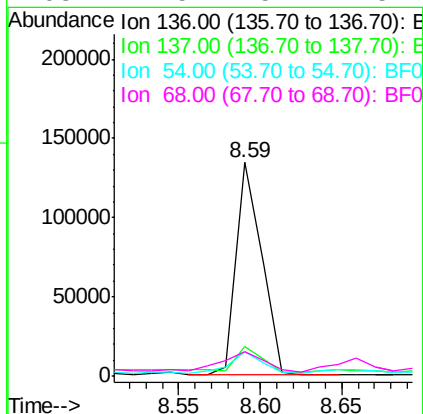
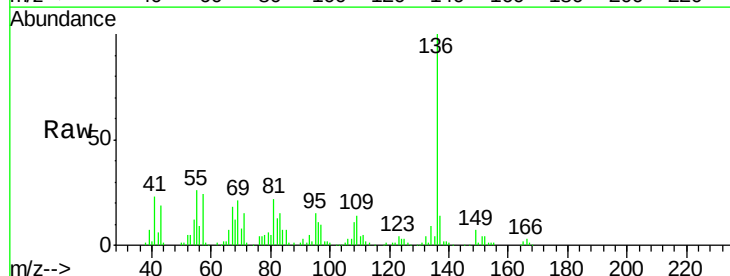
Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

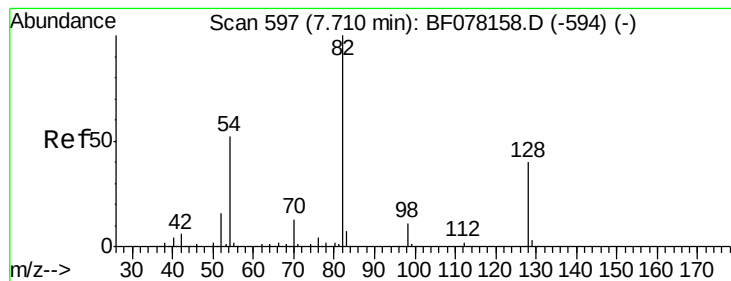
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 8095  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 45.0  | 38.9  | 58.3  |
| 101      | 0.0   | 8.3   | 12.5# |
| 130      | 0.0   | 19.8  | 29.8# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.59 min Scan# 674  
Delta R.T. 0.00 min  
Lab File: BF078222.D  
Acq: 3 Apr 2015 3:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 144937 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 13.7  | 9.0   | 13.4#  |
| 54       | 11.6  | 7.0   | 10.6#  |
| 68       | 11.5  | 5.4   | 8.2#   |





#23

Nitrobenzene-d5

Concen: 85.64 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampleId :

MW-02

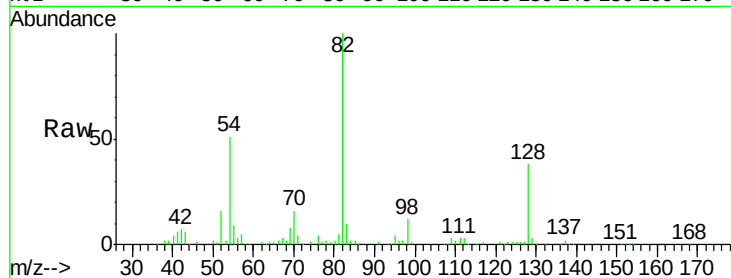
Tgt Ion: 82 Resp: 204792

Ion Ratio Lower Upper

82 100

128 38.2 31.8 47.8

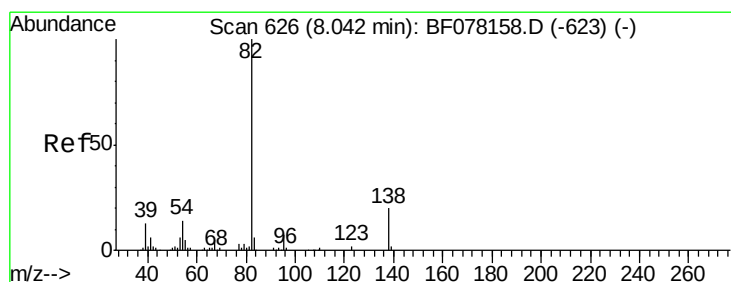
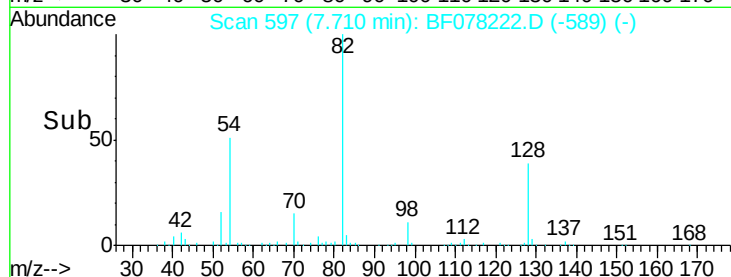
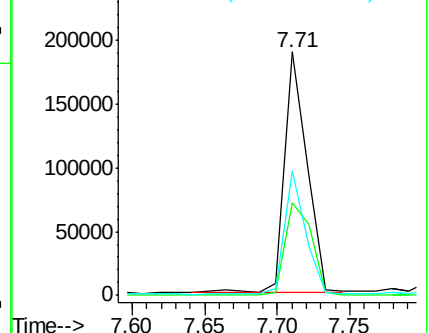
54 51.3 41.5 62.3



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: 5.59 ng

RT: 8.01 min Scan# 623

Delta R.T. -0.03 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

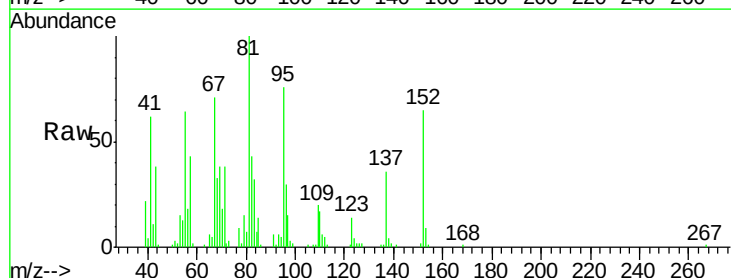
Tgt Ion: 82 Resp: 25355

Ion Ratio Lower Upper

82 100

95 178.5 5.7 8.5#

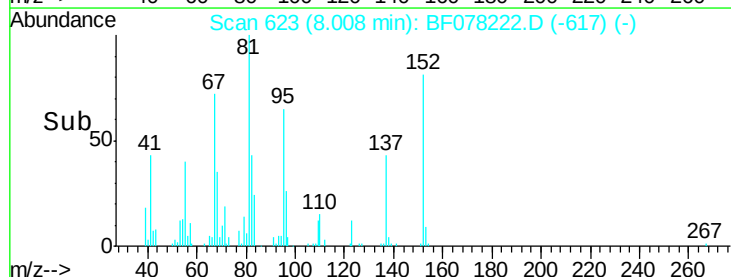
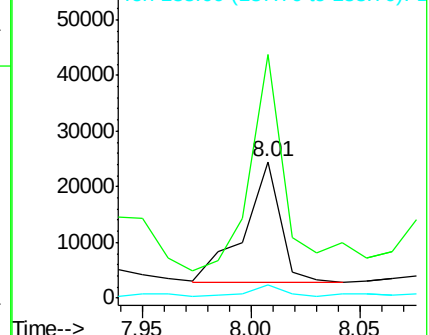
138 9.2 15.8 23.8#

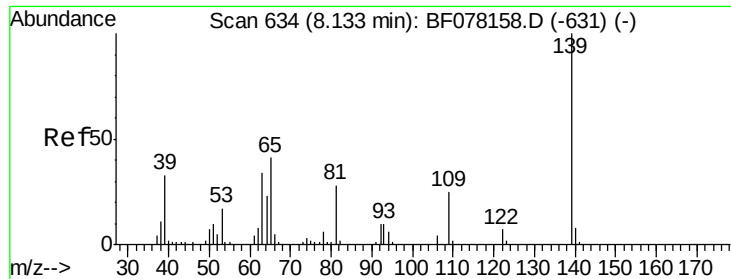


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#26

2-Nitrophenol

Concen: 3.93 ng

RT: 8.17 min Scan# 637

Delta R.T. 0.03 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampled :

MW-02

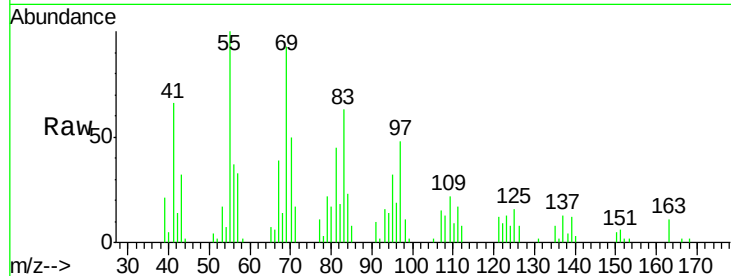
Tgt Ion:139 Resp: 4677

Ion Ratio Lower Upper

139 100

109 187.9 19.8 29.8#

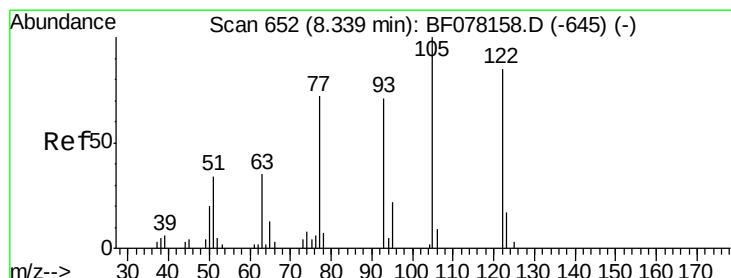
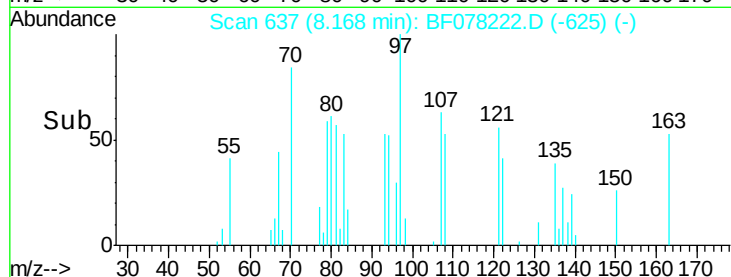
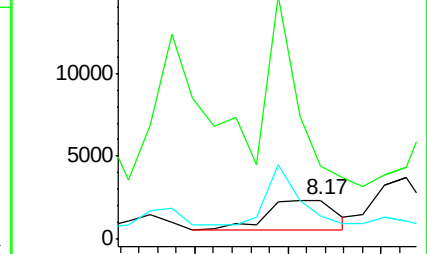
65 59.0 32.7 49.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#32

Benzoic acid

Concen: 10.12 ng

RT: 8.34 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

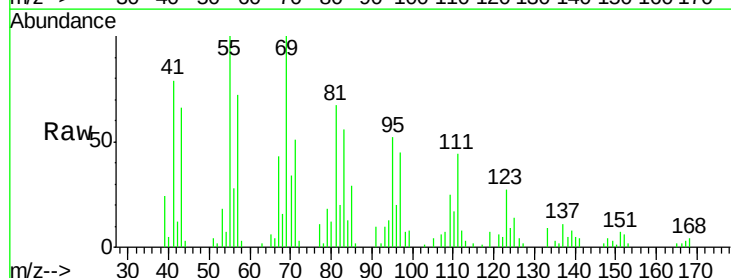
Tgt Ion:122 Resp: 5128

Ion Ratio Lower Upper

122 100

105 70.9 96.1 136.1#

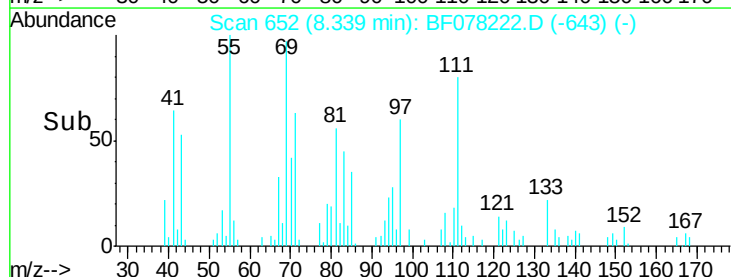
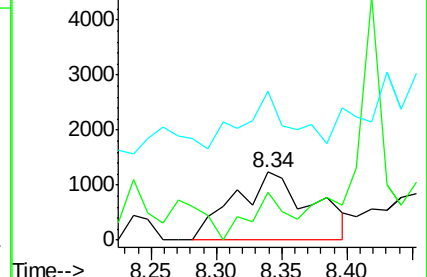
77 219.2 64.1 104.1#

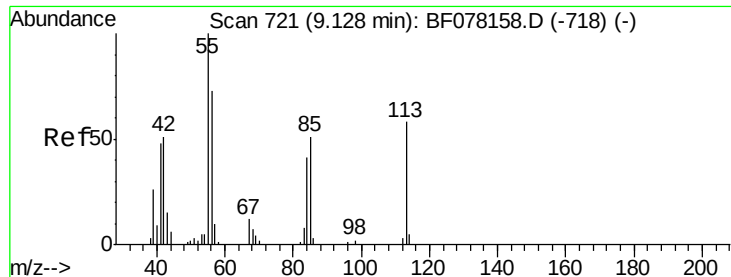


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

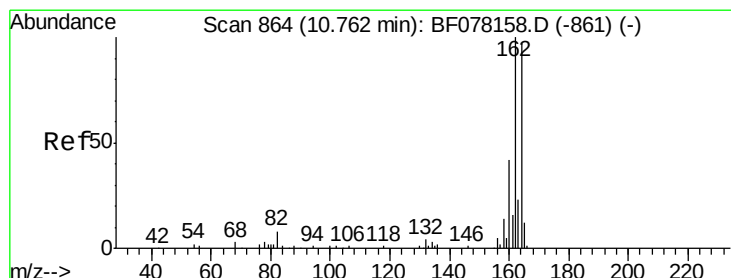
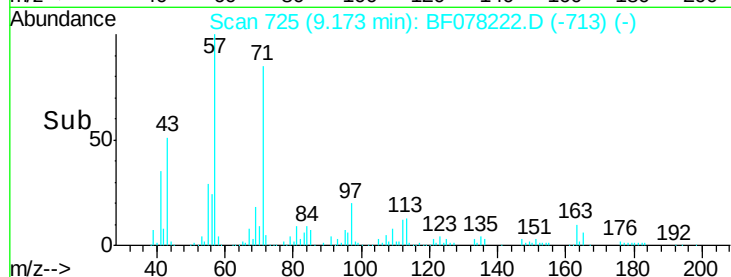
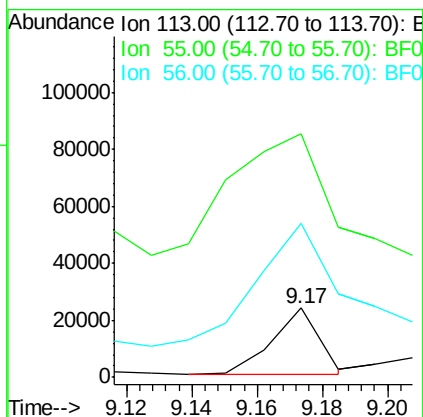
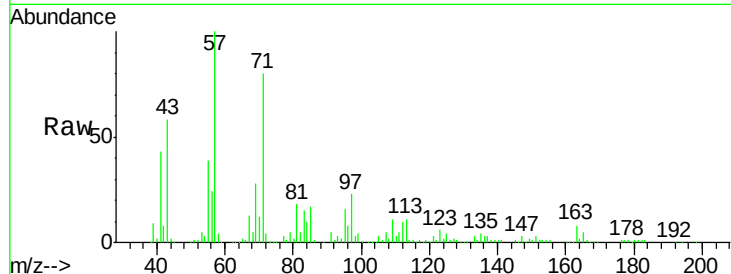




#35  
 Caprolactam  
 Concen: 38.03 ng  
 RT: 9.17 min Scan# 725  
 Delta R.T. 0.03 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

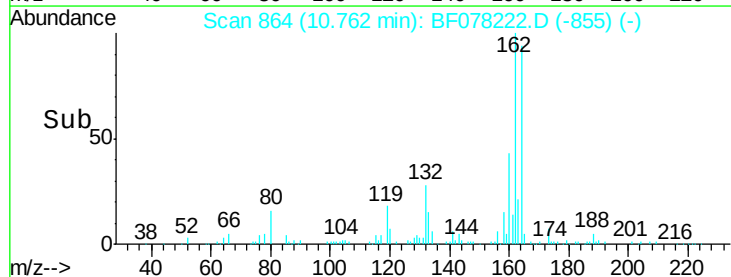
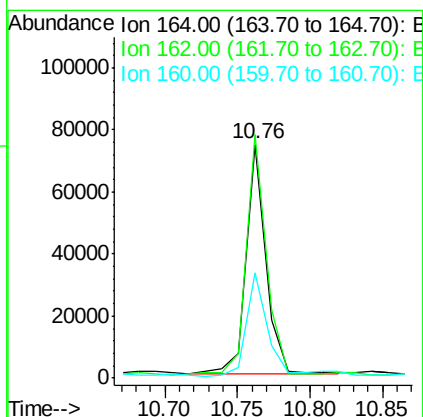
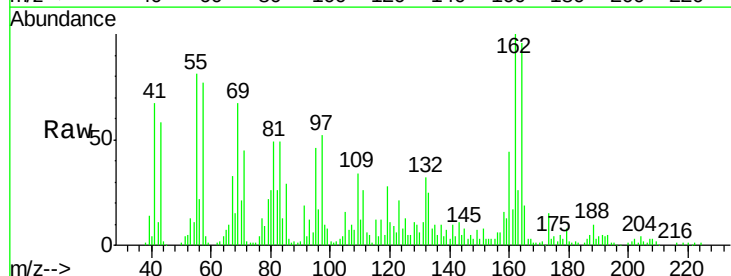
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Tgt Ion:113 Resp: 22879  
 Ion Ratio Lower Upper  
 113 100  
 55 350.4 151.9 191.9#  
 56 221.7 106.1 146.1#

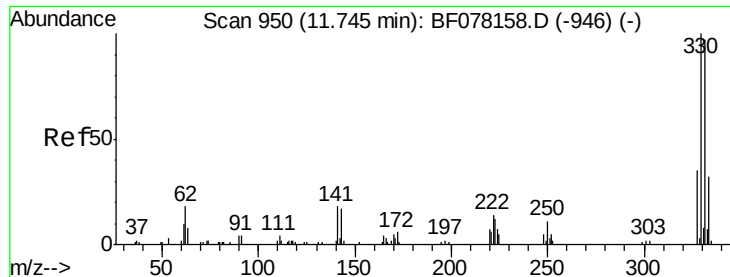


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.76 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Tgt Ion:164 Resp: 69508  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 82.2 123.2  
 160 45.4 34.7 52.1



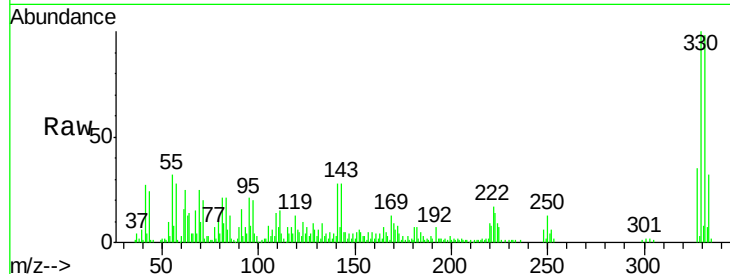




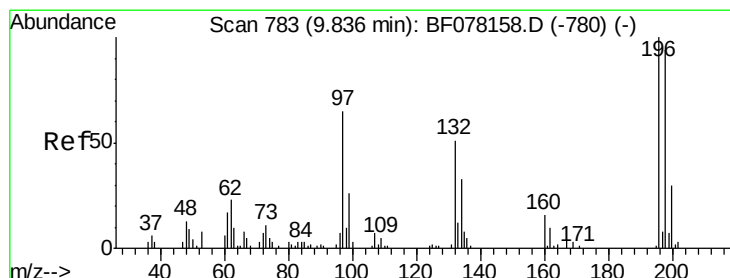
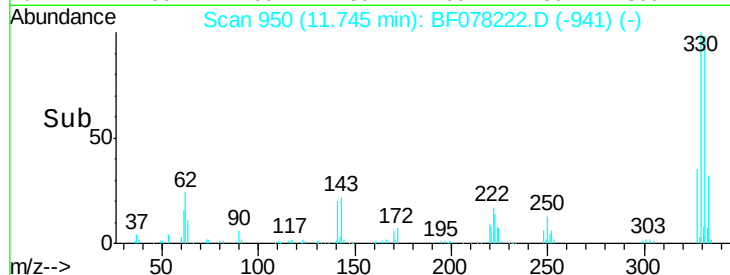
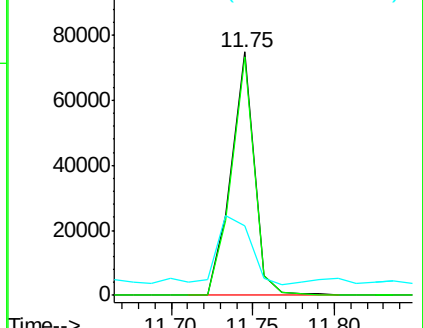
#41  
 2,4,6-Tribromophenol  
 Concen: 127.46 ng  
 RT: 11.75 min Scan# 950  
 Delta R.T. 0.00 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Tgt Ion:330 Resp: 73476  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.6 117.8  
 141 42.2 31.2 46.8

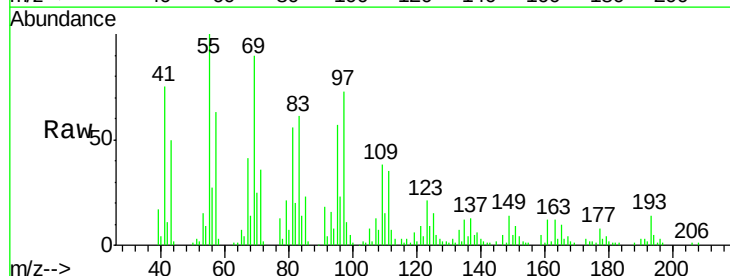


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

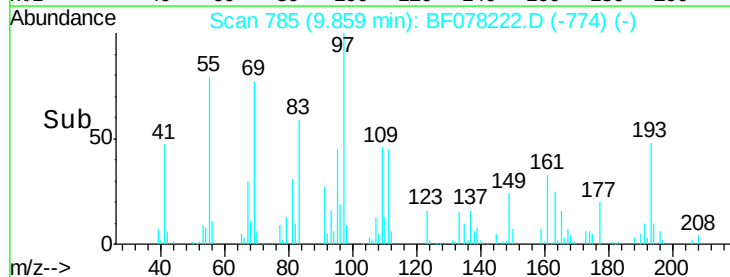
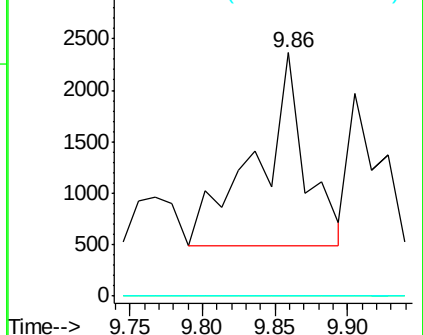


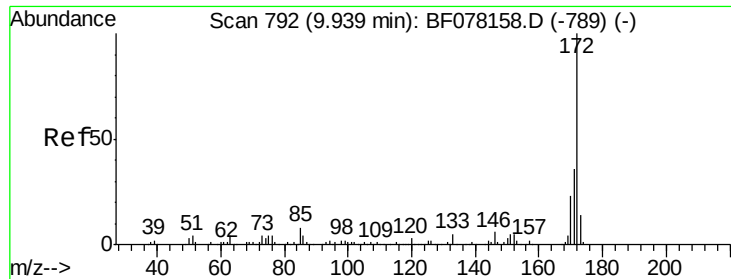
#42  
 2,4,6-Trichlorophenol  
 Concen: 3.20 ng  
 RT: 9.86 min Scan# 785  
 Delta R.T. 0.02 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Tgt Ion:196 Resp: 4349  
 Ion Ratio Lower Upper  
 196 100  
 198 0.0 75.4 113.2#  
 200 0.0 24.0 36.0#



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





#44

2-Fluorobiphenyl

Concen: 87.33 ng

RT: 9.95 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampled :

MW-02

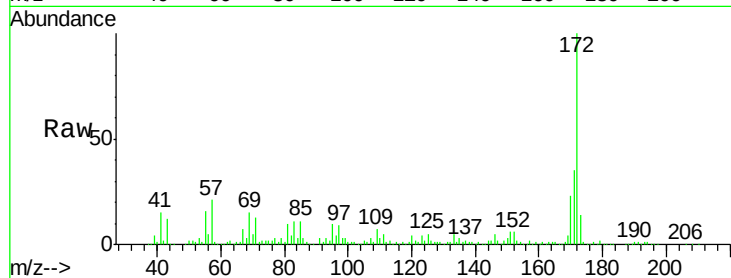
Tgt Ion: 172 Resp: 424651

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

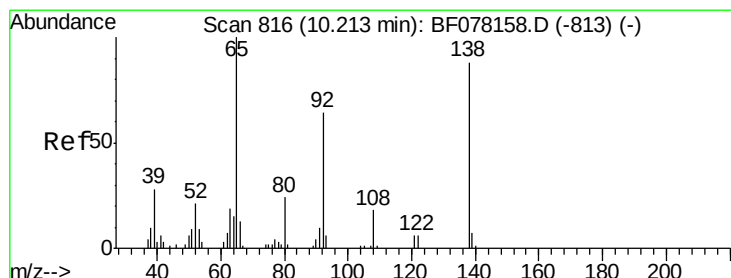
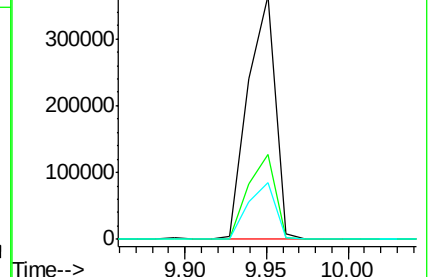
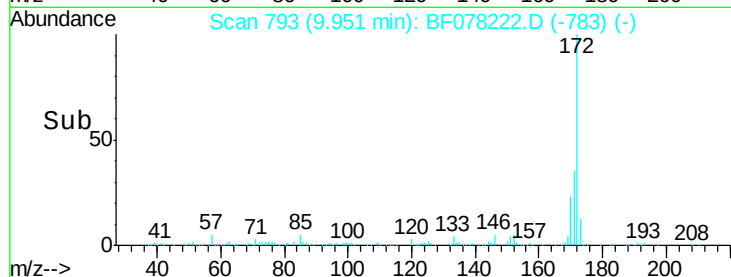
170 23.1 18.5 27.7



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



#47

2-Nitroaniline

Concen: 2.48 ng

RT: 10.22 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

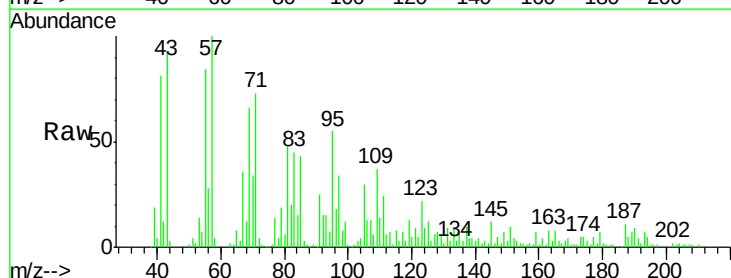
Tgt Ion: 65 Resp: 2745

Ion Ratio Lower Upper

65 100

92 188.3 51.3 76.9#

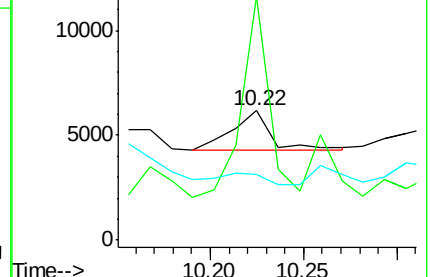
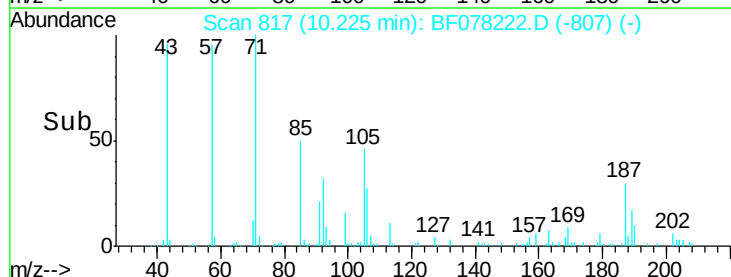
138 50.7 70.4 105.6#

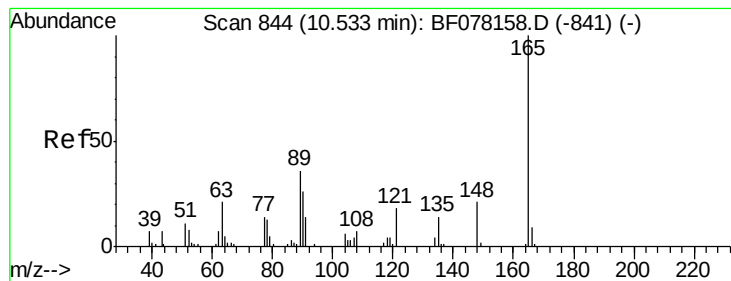


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 4.71 ng

RT: 10.50 min Scan# 841

Delta R.T. -0.03 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampled :

MW-02

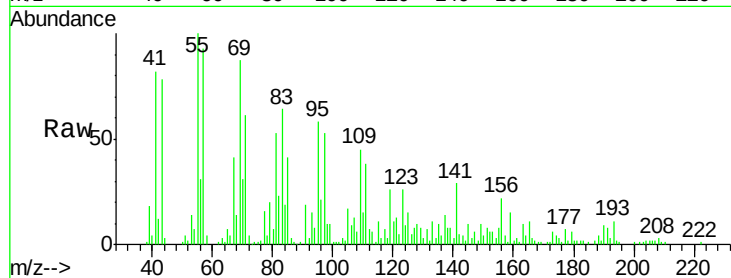
Tgt Ion:165 Resp: 5055

Ion Ratio Lower Upper

165 100

63 22.2 24.1 36.1#

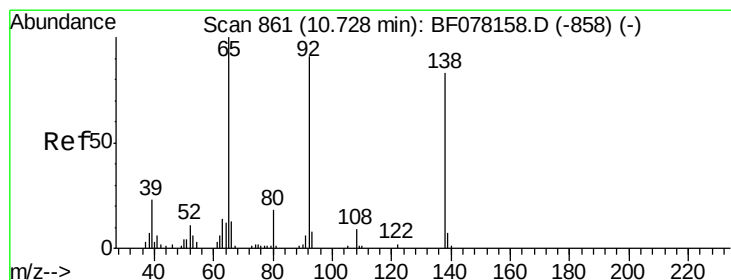
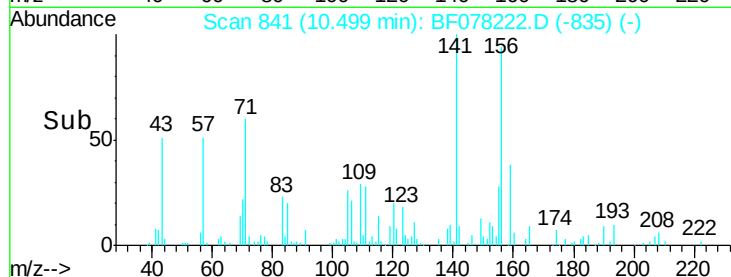
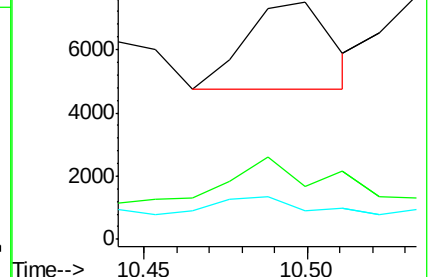
89 12.1 28.9 43.3#



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



#52

3-Nitroaniline

Concen: 2.88 ng

RT: 10.74 min Scan# 862

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

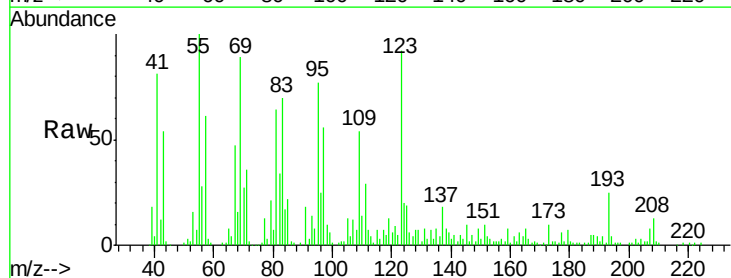
Tgt Ion:138 Resp: 3515

Ion Ratio Lower Upper

138 100

108 80.9 8.2 12.4#

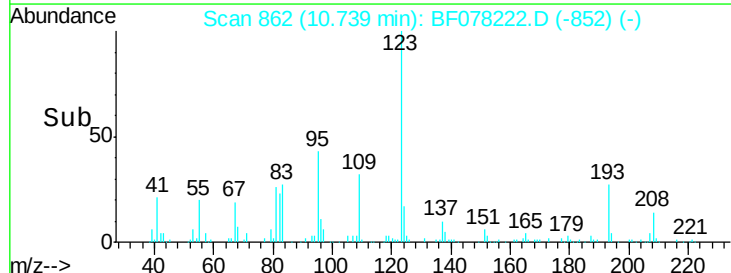
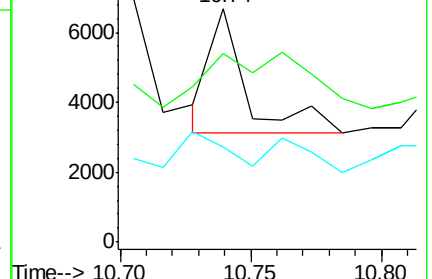
92 40.8 88.4 132.6#

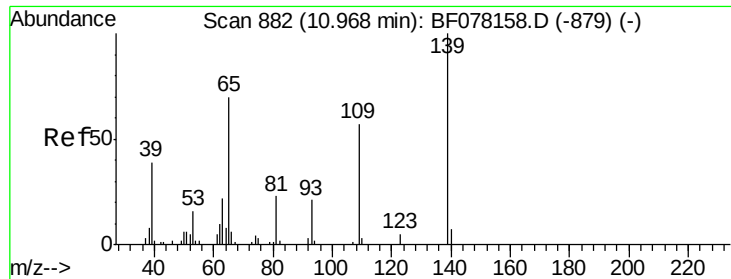


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#55

4-Nitrophenol

Concen: 4.48 ng

RT: 10.96 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Instrument :

BNA\_F

ClientSampleId :

MW-02

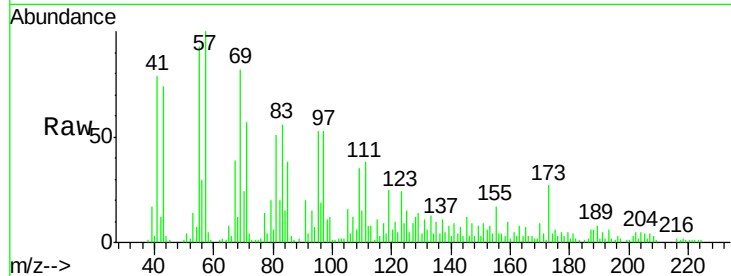
Tgt Ion:139 Resp: 1598

Ion Ratio Lower Upper

139 100

109 428.3 36.7 76.7#

65 92.6 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

30000

25000

20000

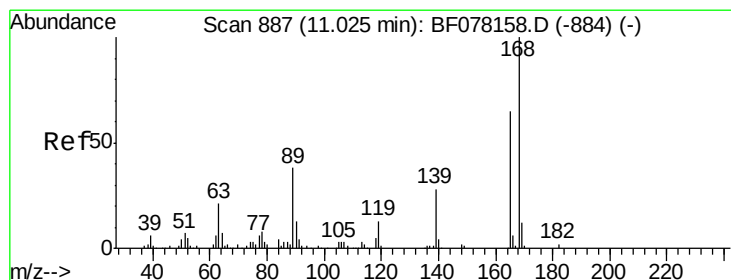
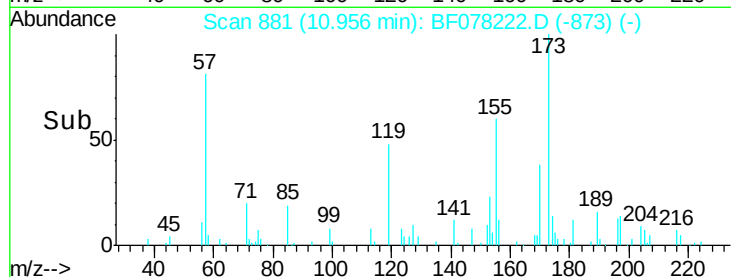
15000

10000

5000

0

Time-->



#56

2,4-Dinitrotoluene

Concen: 3.18 ng

RT: 11.04 min Scan# 888

Delta R.T. 0.01 min

Lab File: BF078222.D

Acq: 3 Apr 2015 3:36

Tgt Ion:165 Resp: 4430

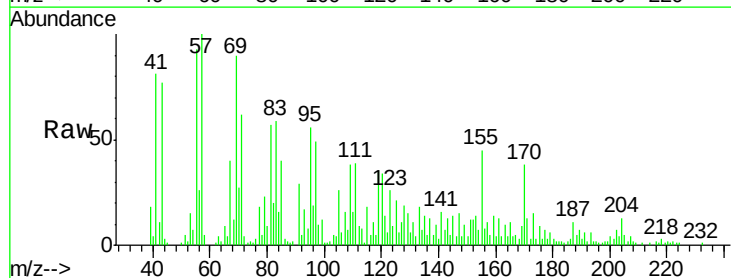
Ion Ratio Lower Upper

165 100

63 33.3 26.5 39.7

89 18.8 46.4 69.6#

182 21.8 2.0 3.0#



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

8000

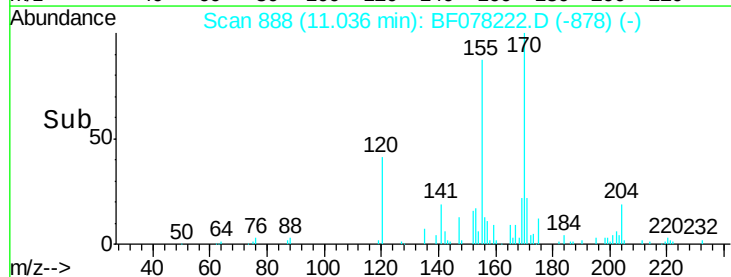
6000

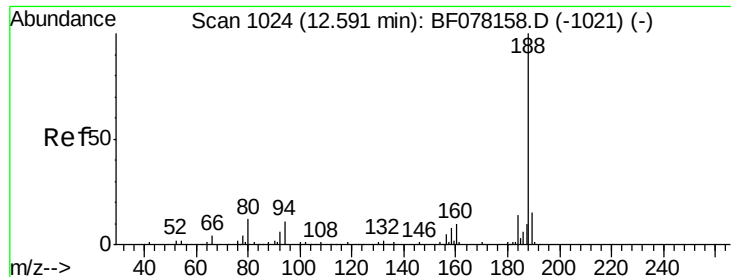
4000

2000

0

Time-->

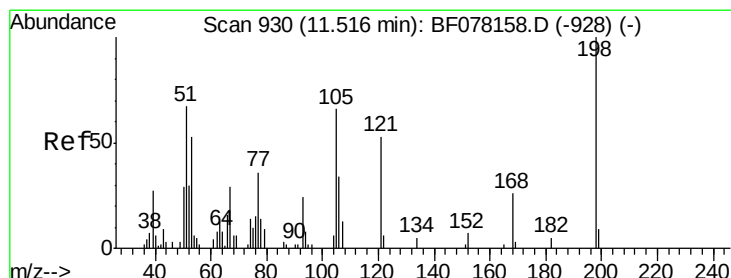
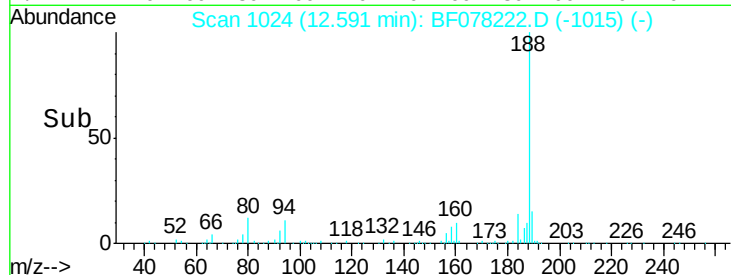
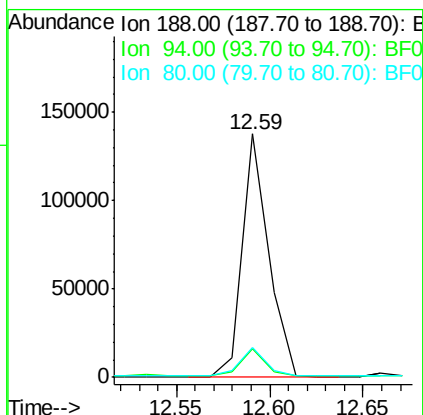
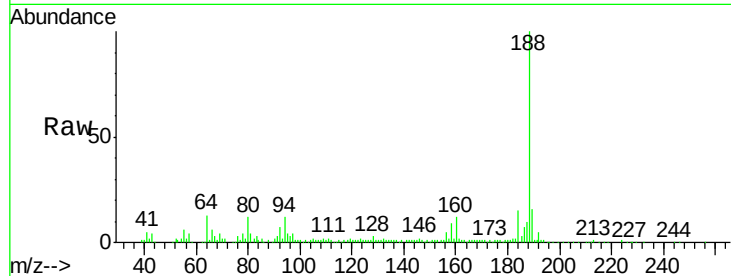




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.59 min Scan# 1024  
 Delta R.T. 0.00 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

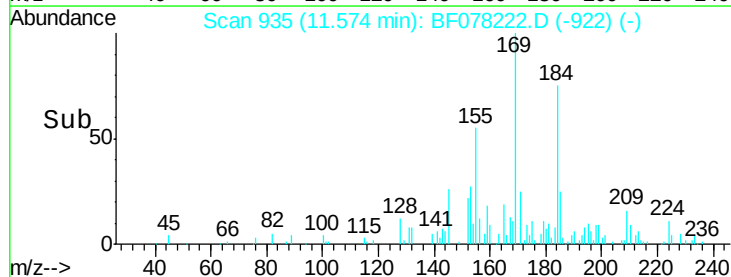
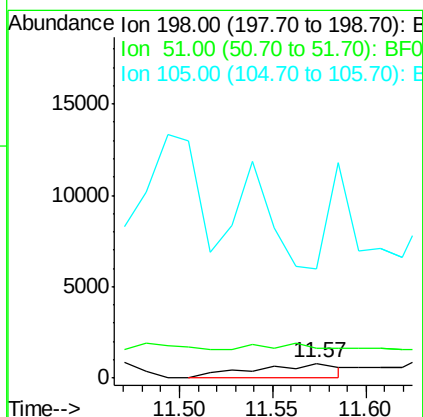
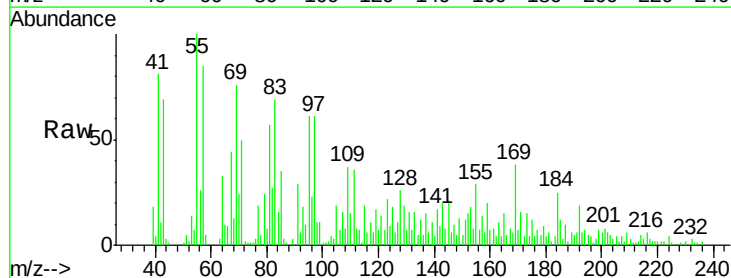
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

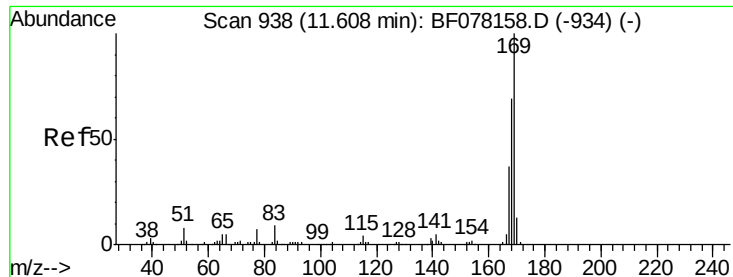
Tgt Ion:188 Resp: 136350  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 9.0 13.4  
 80 12.5 9.5 14.3



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 11.62 ng  
 RT: 11.57 min Scan# 935  
 Delta R.T. 0.05 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Tgt Ion:198 Resp: 2516  
 Ion Ratio Lower Upper  
 198 100  
 51 201.9 48.6 88.6#  
 105 744.0 45.8 85.8#

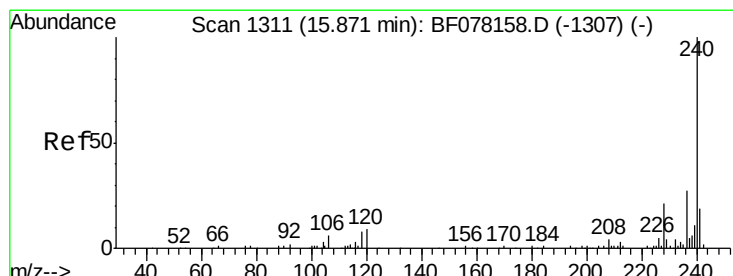
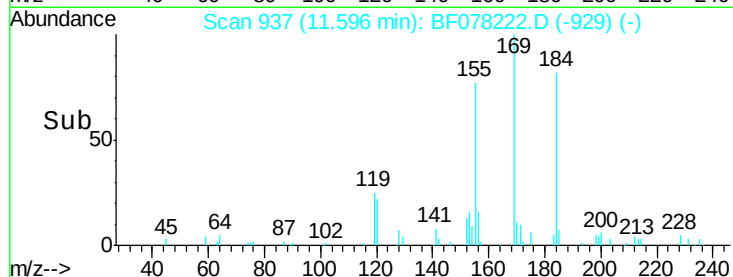
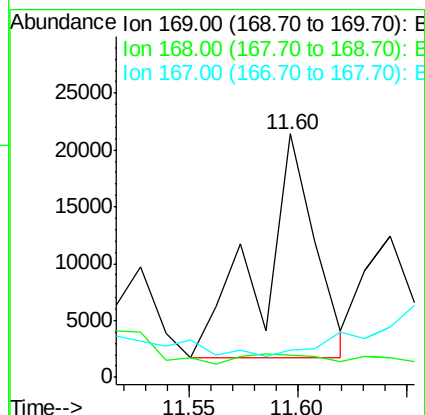
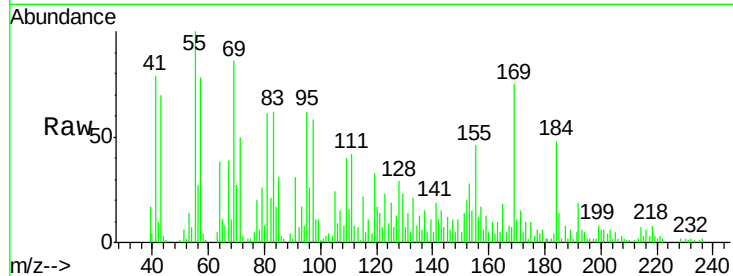




#65  
 n-Nitrosodiphenylamine  
 Concen: 7.11 ng  
 RT: 11.60 min Scan# 937  
 Delta R.T. -0.01 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

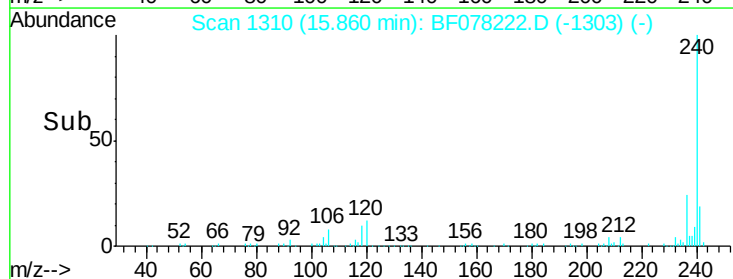
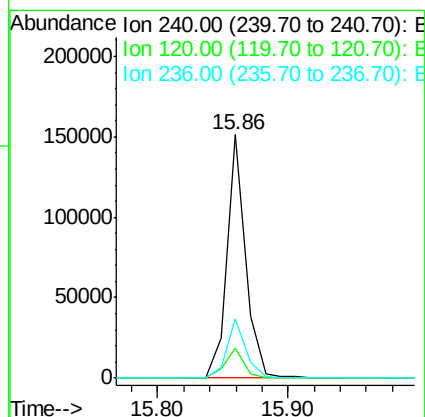
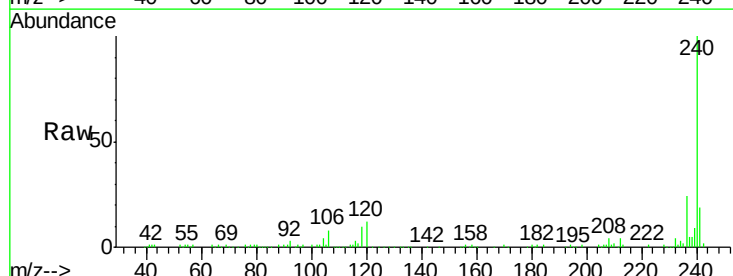
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-02

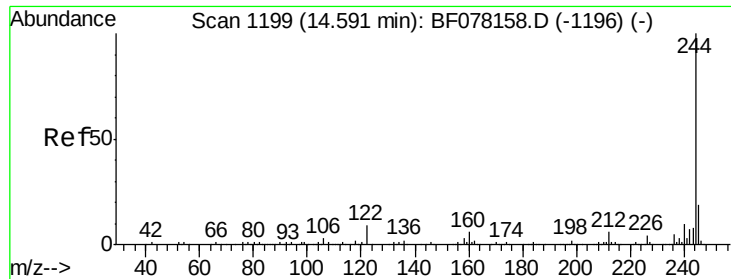
Tgt Ion:169 Resp: 33550  
 Ion Ratio Lower Upper  
 169 100  
 168 9.4 55.0 82.4#  
 167 11.2 29.3 43.9#



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.86 min Scan# 1310  
 Delta R.T. -0.02 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Tgt Ion:240 Resp: 151263  
 Ion Ratio Lower Upper  
 240 100  
 120 12.0 7.1 10.7#  
 236 24.4 21.4 32.2

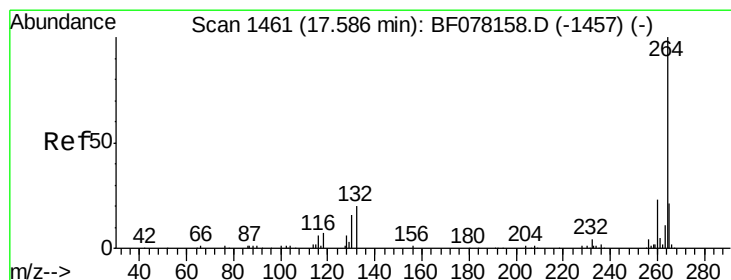
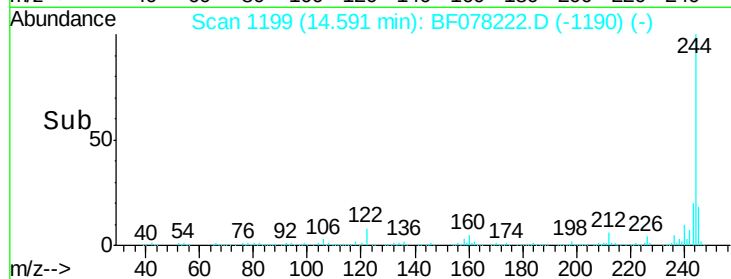
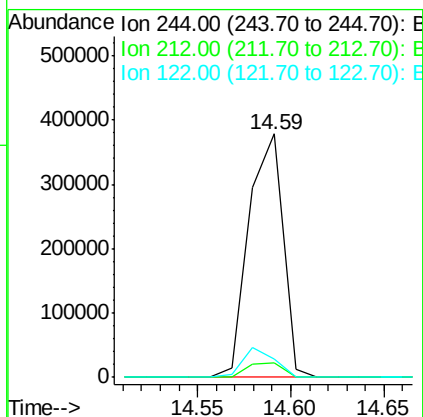
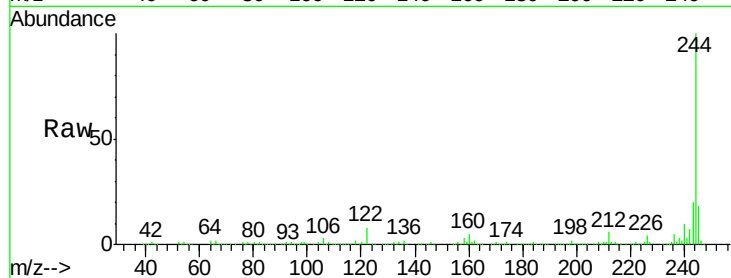




#78  
 Terphenyl-d14  
 Concen: 71.80 ng  
 RT: 14.59 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Tgt Ion:244 Resp: 480633  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.0 7.4  
 122 7.8 7.1 10.7



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.52 min Scan# 1455  
 Delta R.T. -0.15 min  
 Lab File: BF078222.D  
 Acq: 3 Apr 2015 3:36

Tgt Ion:264 Resp: 143603  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.6 27.8  
 265 21.2 17.0 25.6

