

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082815\  
 Data File : BF081257.D  
 Acq On : 28 Aug 2015 2:11  
 Operator : UM/IZ  
 Sample : G3430-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB1(7-9)

Quant Time: Aug 28 03:34:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 28 03:32:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.50  | 152  | 52189    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.79  | 136  | 166200   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.55  | 164  | 63657    | 20.00 | ng    | 0.02     |
| 63) Phenanthrene-d10      | 11.03 | 188  | 133755   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12          | 13.61 | 240  | 124394   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 14.94 | 264  | 96986    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.07  | 112 | 447918 | 129.09 | ng | 0.02 |
| 7) Phenol-d6             | 6.16  | 99  | 577279 | 127.51 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.09  | 82  | 452163 | 124.28 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.34 | 330 | 90542  | 164.08 | ng | 0.02 |
| 44) 2-Fluorobiphenyl     | 8.89  | 172 | 556315 | 114.51 | ng | 0.01 |
| 78) Terphenyl-d14        | 12.61 | 244 | 509200 | 87.76  | ng | 0.02 |

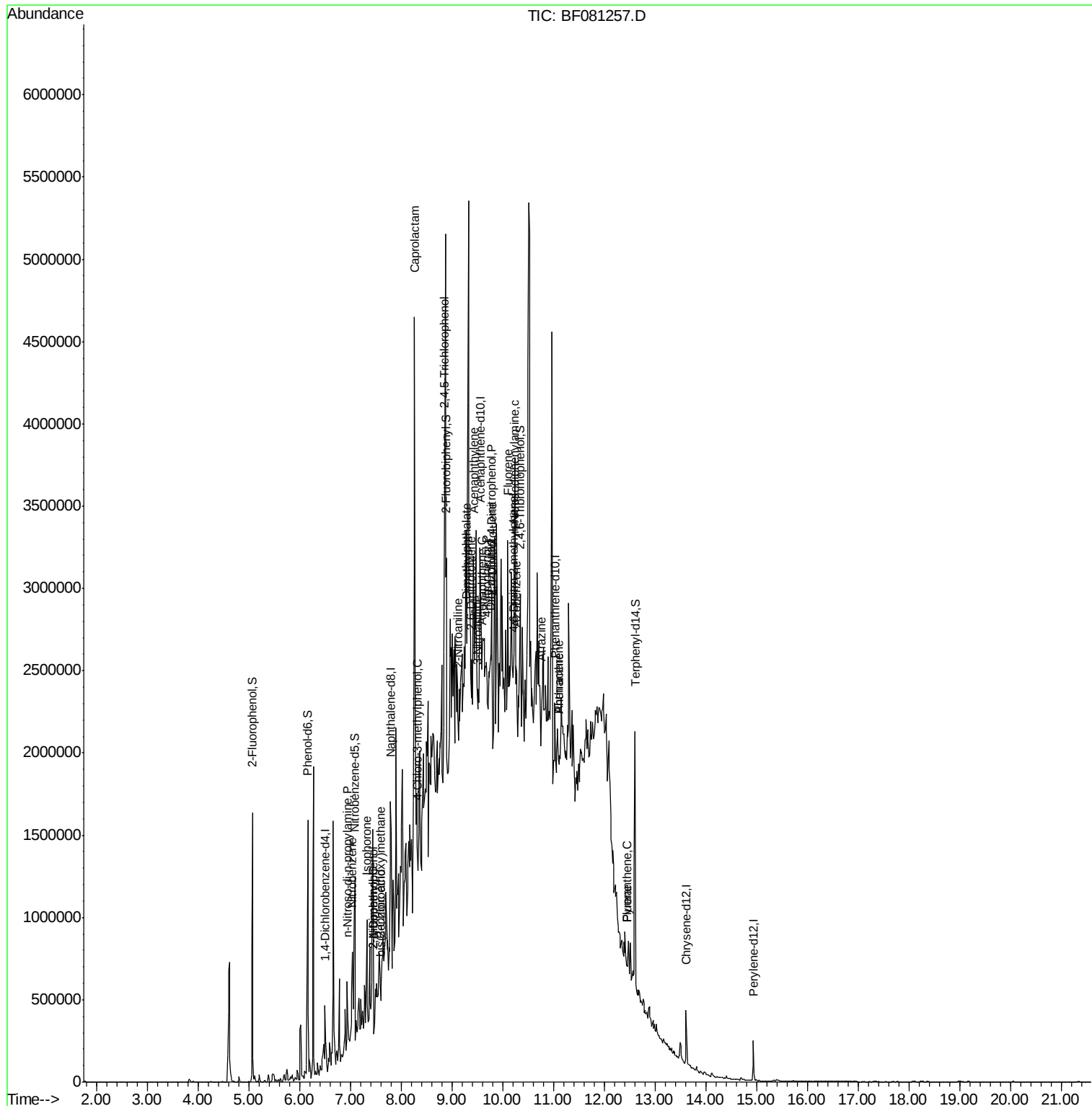
## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 6.94  | 70  | 19822  | 6.32   | ng | # 61   |
| 24) Nitrobenzene               | 7.04  | 77  | 9395   | 2.47   | ng | # 1    |
| 25) Isophorone                 | 7.33  | 82  | 35888  | 5.29   | ng | # 1    |
| 26) 2-Nitrophenol              | 7.45  | 139 | 3906   | 2.47   | ng | # 1    |
| 27) 2,4-Dimethylphenol         | 7.45  | 122 | 9472   | 3.38   | ng | # 16   |
| 28) bis(2-Chloroethoxy)methane | 7.60  | 93  | 14540  | 3.63   | ng | # 1    |
| 32) Benzoic acid               | 7.59  | 122 | 7593   | 4.82   | ng | # 34   |
| 35) Caprolactam                | 8.26  | 113 | 102107 | 123.99 | ng | # 88   |
| 36) 4-Chloro-3-methylphenol    | 8.32  | 107 | 12796  | 4.56   | ng | # 32   |
| 43) 2,4,5-Trichlorophenol      | 8.86  | 196 | 3163   | 2.18   | ng | # 1    |
| 47) 2-Nitroaniline             | 9.12  | 65  | 7221   | 3.92   | ng | # 1    |
| 48) Acenaphthylene             | 9.43  | 152 | 29364  | 3.64   | ng | # 1    |
| 49) Dimethylphthalate          | 9.29  | 163 | 77784  | 14.84  | ng | # 88   |
| 50) 2,6-Dinitrotoluene         | 9.37  | 165 | 14915  | 13.25  | ng | # 73   |
| 51) Acenaphthene               | 9.59  | 154 | 59236  | 12.28  | ng | 93     |
| 52) 3-Nitroaniline             | 9.51  | 138 | 15608  | 11.08  | ng | # 27   |
| 53) 2,4-Dinitrophenol          | 9.78  | 184 | 5166   | 12.23  | ng | # 1    |
| 54) Dibenzofuran               | 9.76  | 168 | 81522  | 12.61  | ng | # 83   |
| 55) 4-Nitrophenol              | 9.68  | 139 | 8002   | 8.09   | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 9.79  | 165 | 11785  | 7.90   | ng | # 78   |
| 57) Fluorene                   | 10.10 | 166 | 140401 | 28.23  | ng | # 78   |
| 62) Azobenzene                 | 10.27 | 77  | 14793  | 2.31   | ng | # 27   |
| 64) 4,6-Dinitro-2-methylphenol | 10.21 | 198 | 2805   | 3.51   | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.23 | 169 | 221410 | 46.37  | ng | # 48   |
| 68) Atrazine                   | 10.77 | 200 | 13537  | 10.18  | ng | # 45   |
| 70) Phenanthrene               | 11.10 | 178 | 59796  | 7.54   | ng | # 2    |
| 71) Anthracene                 | 11.10 | 178 | 59796  | 7.75   | ng | # 2    |
| 74) Fluoranthene               | 12.46 | 202 | 44630  | 5.22   | ng | 77     |
| 77) Pyrene                     | 12.46 | 202 | 46031  | 4.55   | ng | # 89   |

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\  
Data File : BF081257.D  
Acq On    : 28 Aug 2015    2:11  
Operator   : UM/IZ  
Sample     : G3430-02  
Misc      :  
ALS Vial   : 10    Sample Multiplier: 1
```

Quant Time: Aug 28 03:34:52 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 28 03:32:45 2015  
Response via : Initial Calibration

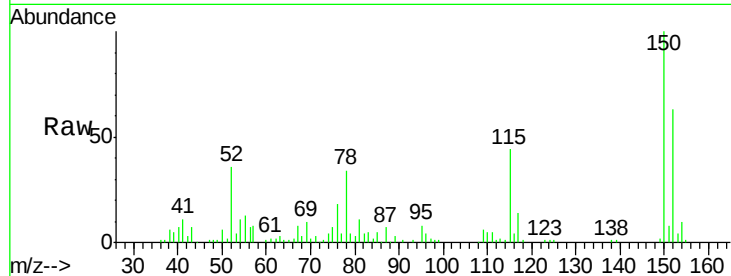




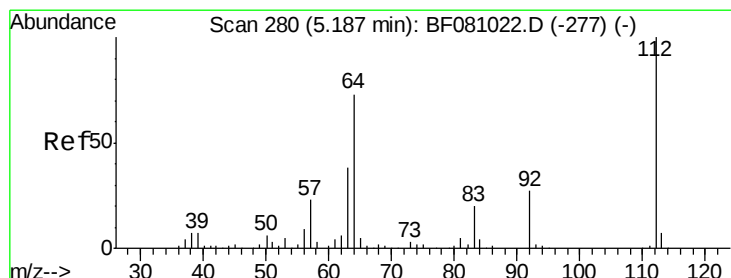
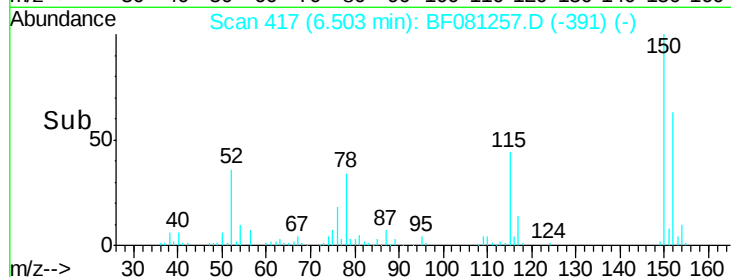
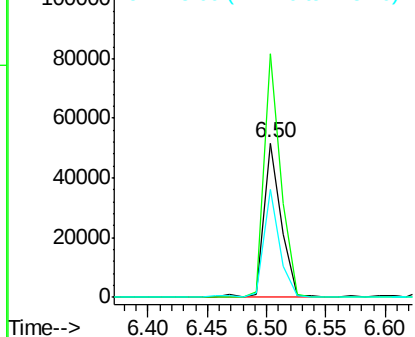
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.50 min Scan# 417  
 Delta R.T. -0.00 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB1(7-9)

Tgt Ion:152 Resp: 52189  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 123.8 185.6  
 115 69.9 52.1 78.1

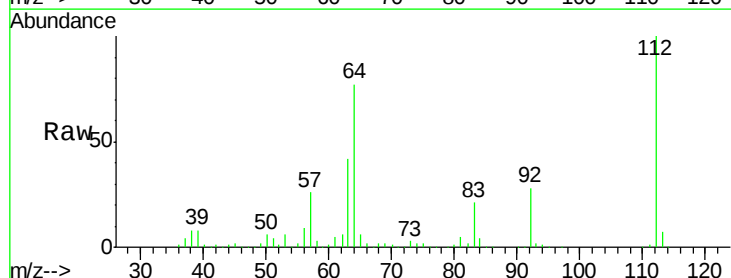


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

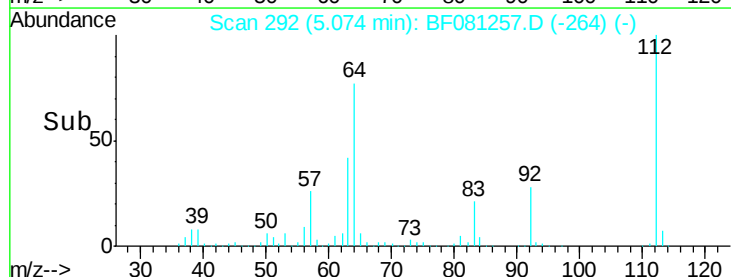
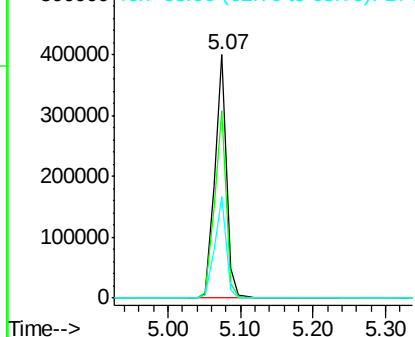


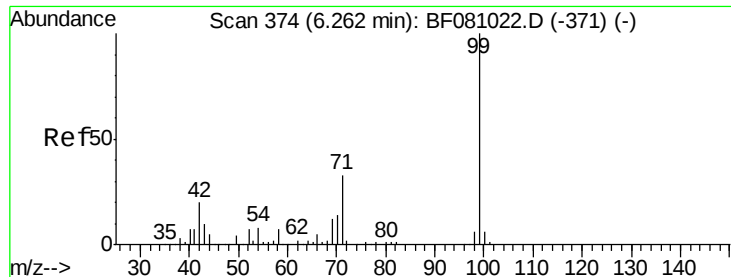
#5  
 2-Fluorophenol  
 Concen: 129.09 ng  
 RT: 5.07 min Scan# 292  
 Delta R.T. 0.02 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

Tgt Ion:112 Resp: 447918  
 Ion Ratio Lower Upper  
 112 100  
 64 76.9 66.9 100.3  
 63 41.6 38.1 57.1



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: 127.51 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

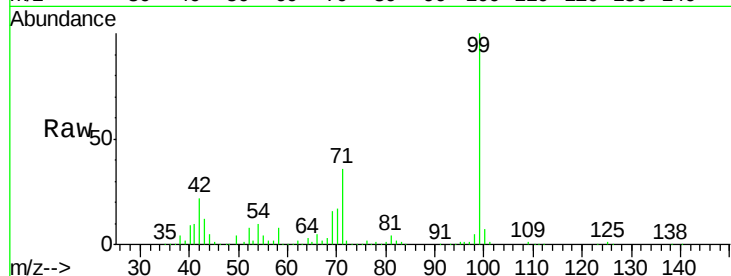
Tgt Ion: 99 Resp: 577279

Ion Ratio Lower Upper

99 100

42 22.4 19.6 29.4

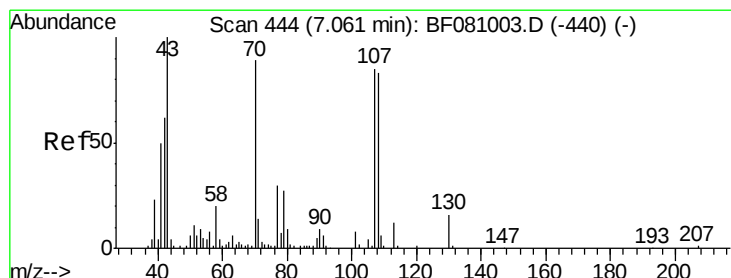
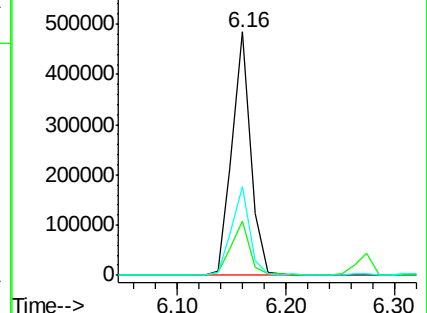
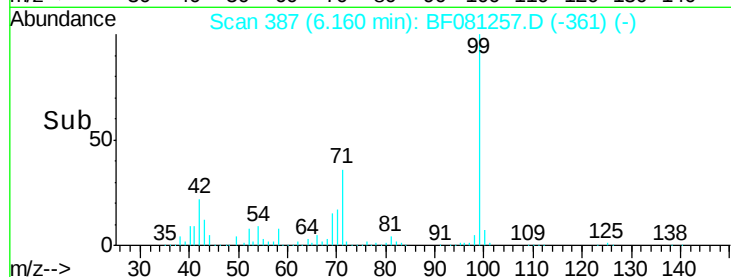
71 36.4 31.2 46.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.32 ng

RT: 6.94 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Tgt Ion: 70 Resp: 19822

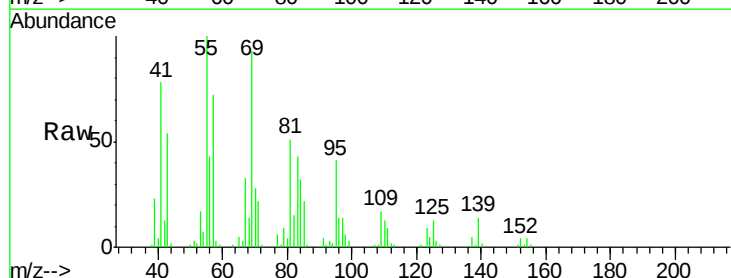
Ion Ratio Lower Upper

70 100

42 45.2 65.0 97.4#

101 0.0 7.4 11.2#

130 0.0 13.0 19.4#

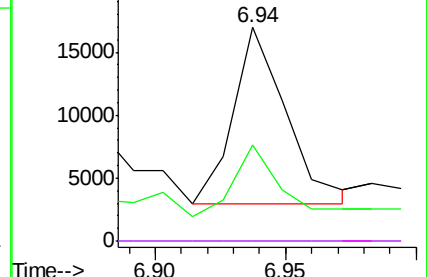
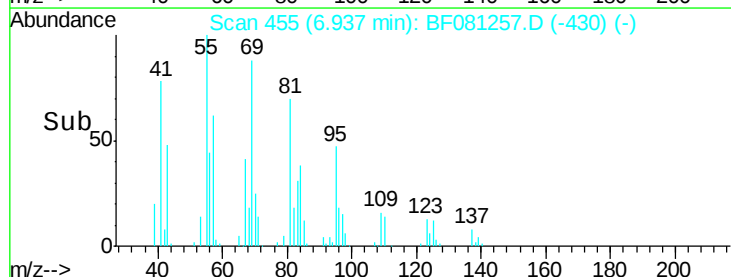


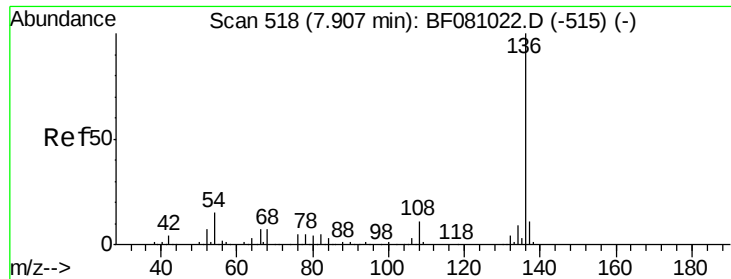
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

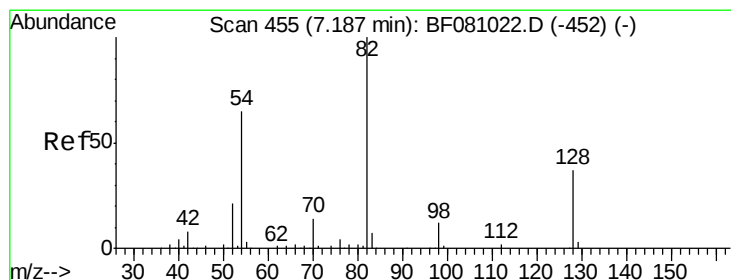
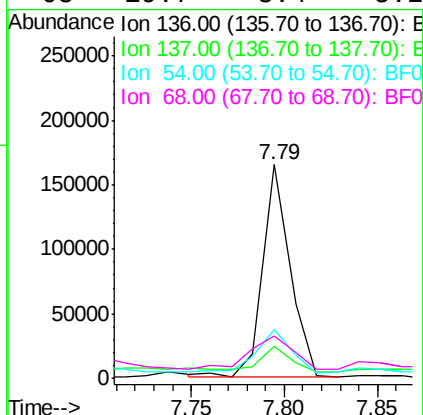
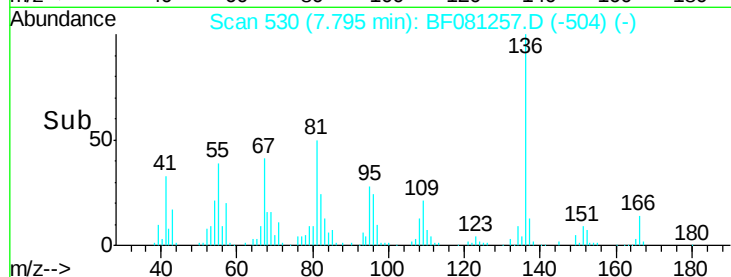
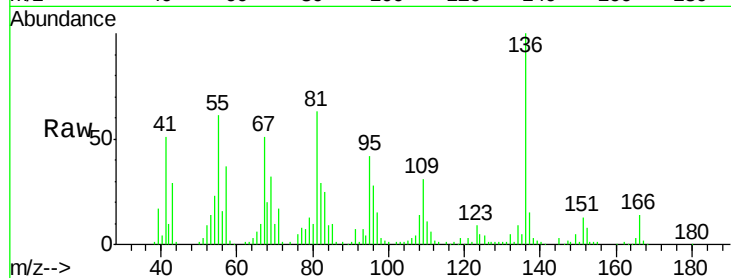




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.79 min Scan# 530  
Delta R.T. -0.00 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

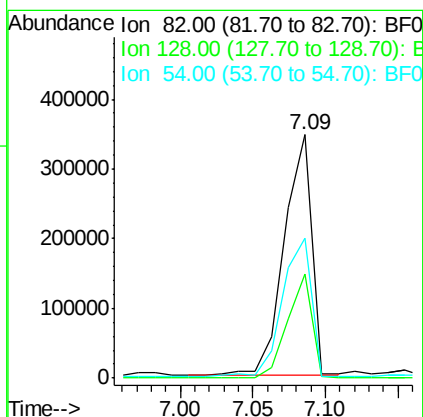
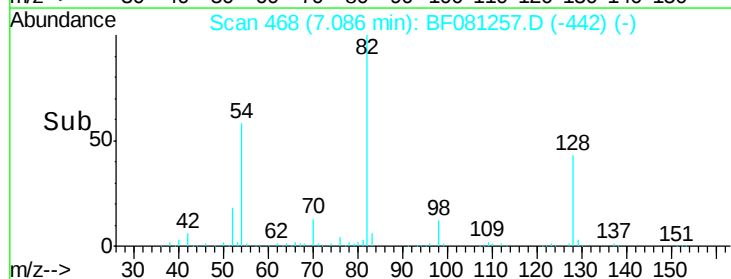
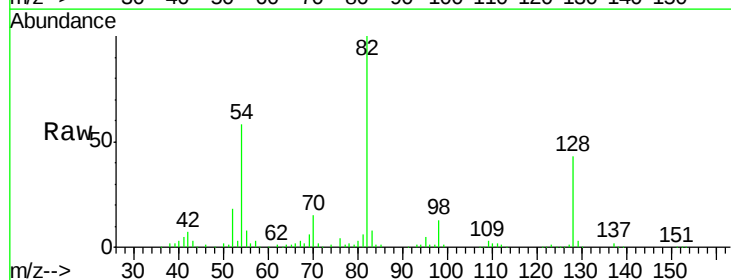
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

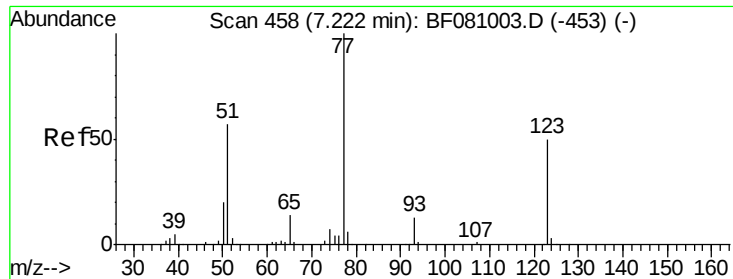
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 166200 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 14.9  | 8.2   | 12.2#  |
| 54       | 22.5  | 7.7   | 11.5#  |
| 68       | 19.7  | 3.4   | 5.2#   |



#23  
Nitrobenzene-d5  
Concen: 124.28 ng  
RT: 7.09 min Scan# 468  
Delta R.T. -0.00 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 452163 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.6  | 28.6  | 42.8   |
| 54       | 57.6  | 55.1  | 82.7   |

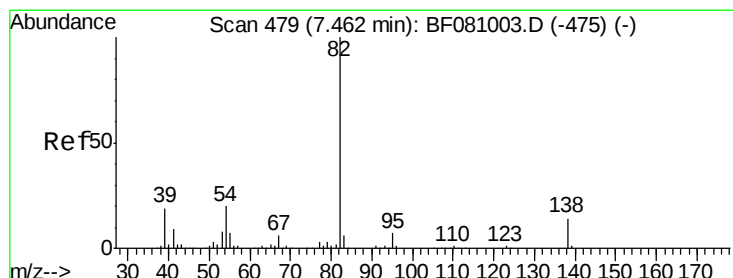
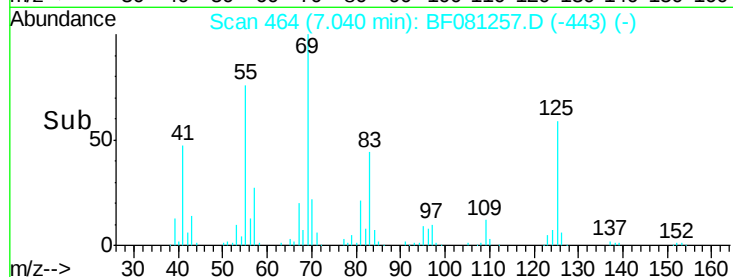
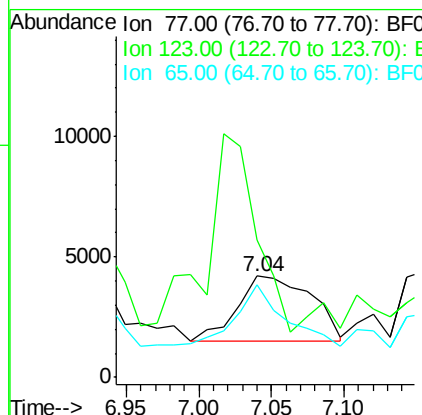
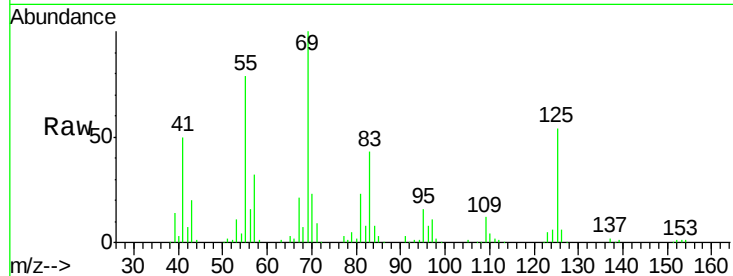




#24  
Nitrobenzene  
Concen: 2.47 ng  
RT: 7.04 min Scan# 464  
Delta R.T. -0.06 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

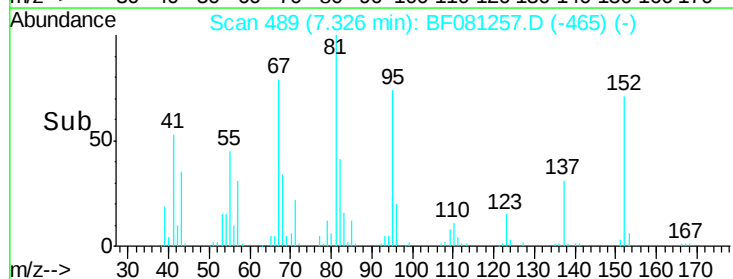
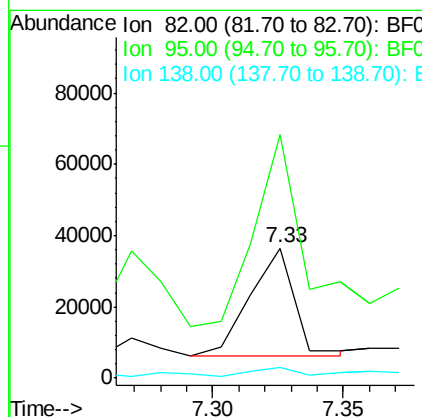
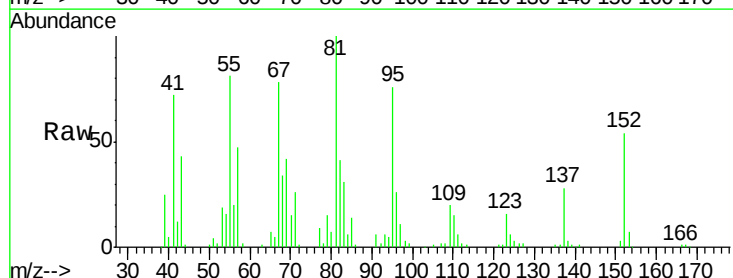
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

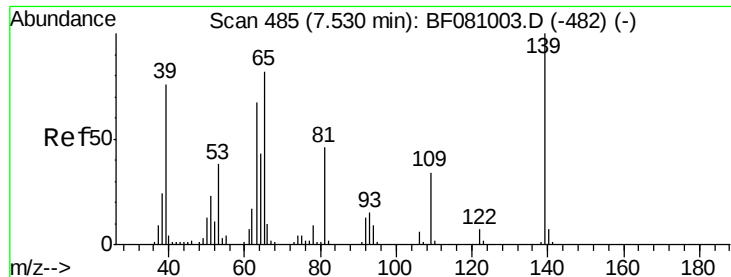
Tgt Ion: 77 Resp: 9395  
Ion Ratio Lower Upper  
77 100  
123 135.9 32.9 49.3#  
65 91.9 12.5 18.7#



#25  
Isophorone  
Concen: 5.29 ng  
RT: 7.33 min Scan# 489  
Delta R.T. -0.02 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Tgt Ion: 82 Resp: 35888  
Ion Ratio Lower Upper  
82 100  
95 186.8 6.2 9.2#  
138 8.4 10.5 15.7#

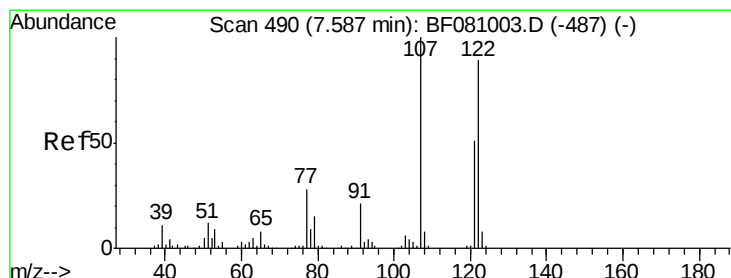
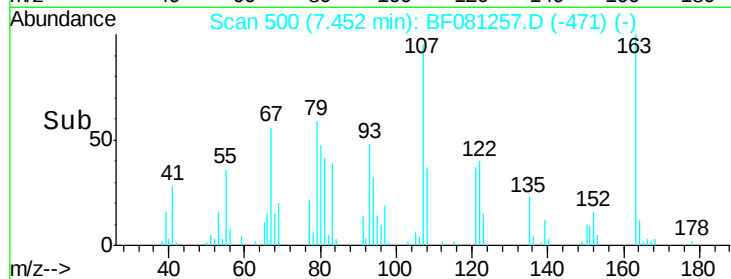
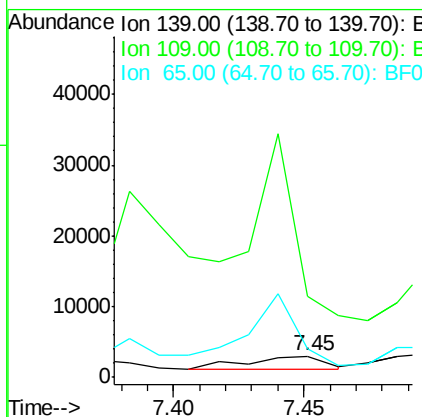
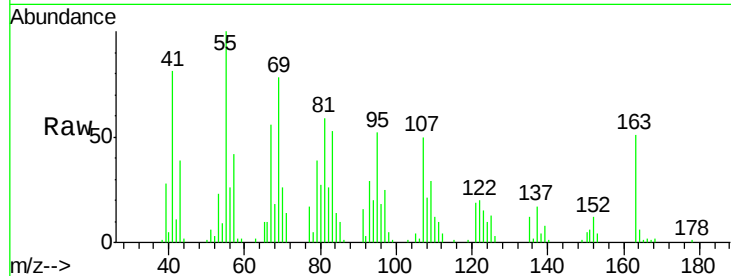




#26  
 2-Nitrophenol  
 Concen: 2.47 ng  
 RT: 7.45 min Scan# 500  
 Delta R.T. 0.03 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

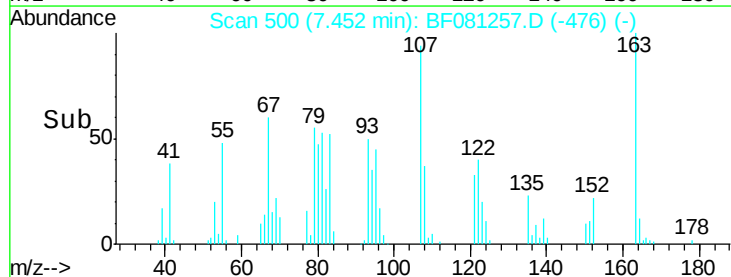
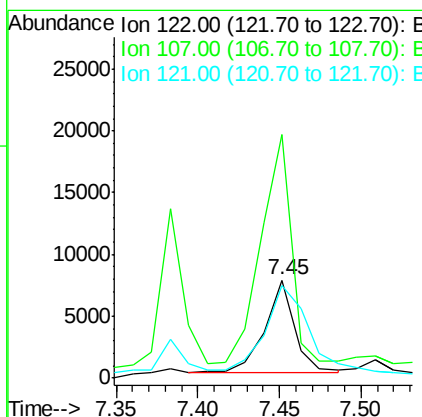
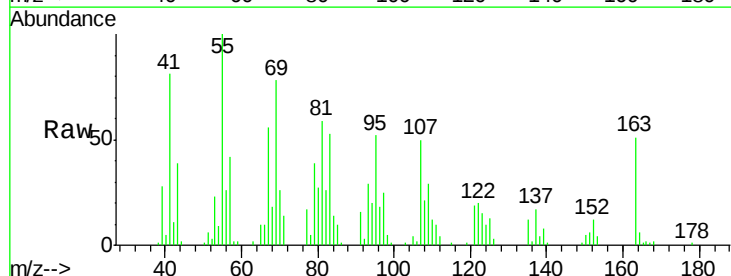
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB1(7-9)

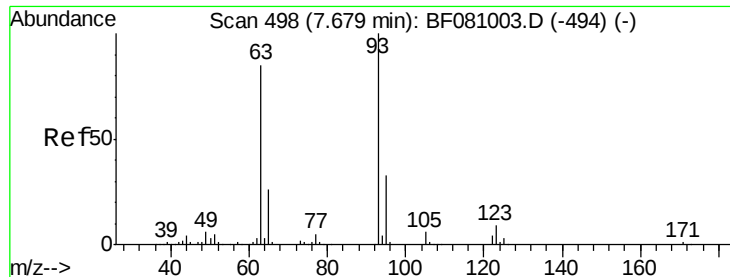
Tgt Ion:139 Resp: 3906  
 Ion Ratio Lower Upper  
 139 100  
 109 382.9 32.1 48.1#  
 65 137.4 69.9 104.9#



#27  
 2,4-Dimethylphenol  
 Concen: 3.38 ng  
 RT: 7.45 min Scan# 500  
 Delta R.T. -0.02 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

Tgt Ion:122 Resp: 9472  
 Ion Ratio Lower Upper  
 122 100  
 107 247.7 103.8 155.6#  
 121 94.0 47.0 70.4#

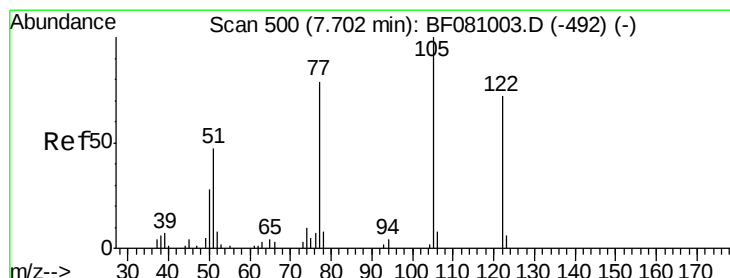
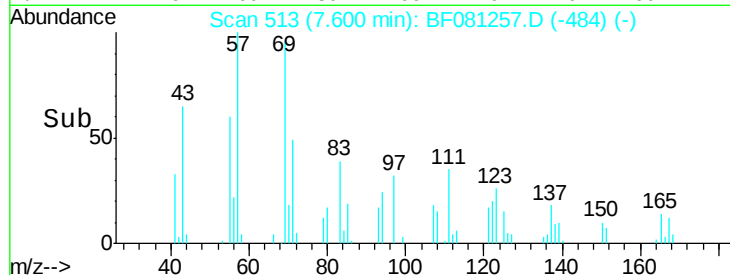
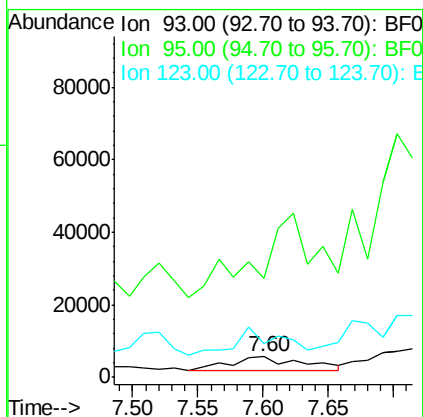
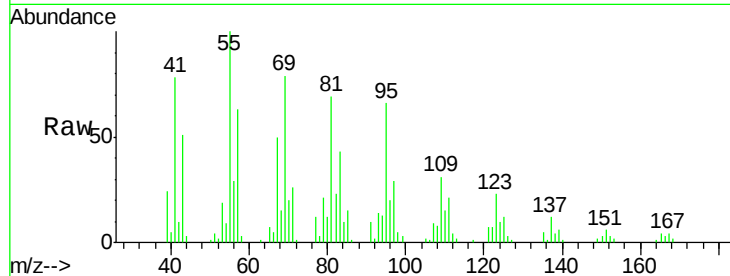




#28  
bis(2-Chloroethoxy)methane  
Concen: 3.63 ng  
RT: 7.60 min Scan# 513  
Delta R.T. 0.03 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

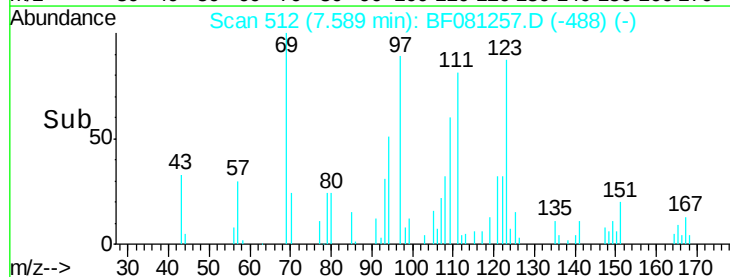
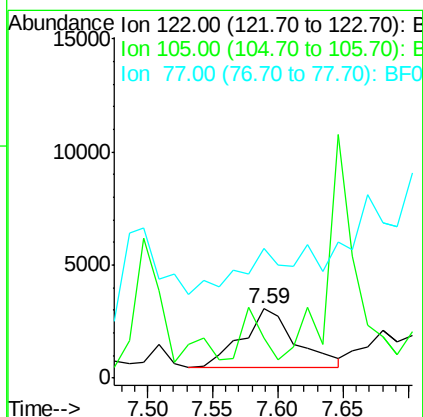
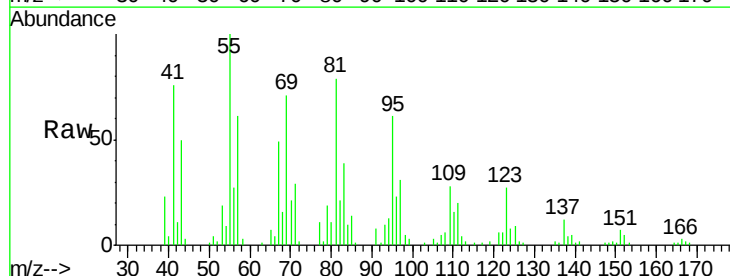
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

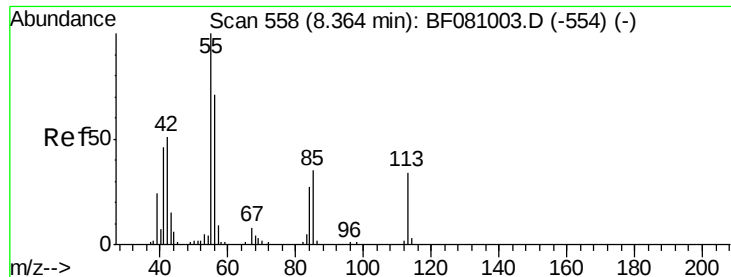
Tgt Ion: 93 Resp: 14540  
Ion Ratio Lower Upper  
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95 488.4 25.8 38.8#  
123 168.2 7.4 11.0#



#32  
Benzoic acid  
Concen: 4.82 ng  
RT: 7.59 min Scan# 512  
Delta R.T. -0.02 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Tgt Ion: 122 Resp: 7593  
Ion Ratio Lower Upper  
122 100  
105 58.0 113.8 153.8#  
77 187.3 93.8 133.8#





#35

Caprolactam

Concen: 123.99 ng

RT: 8.26 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

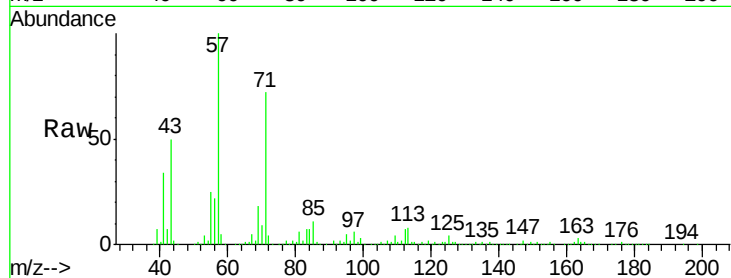
Tgt Ion:113 Resp: 102107

Ion Ratio Lower Upper

113 100

55 295.4 280.4 320.4

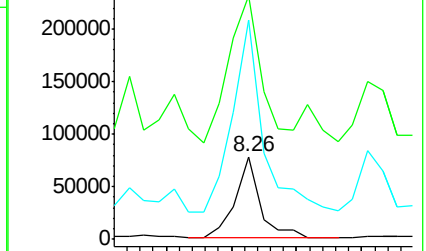
56 265.7 205.9 245.9#



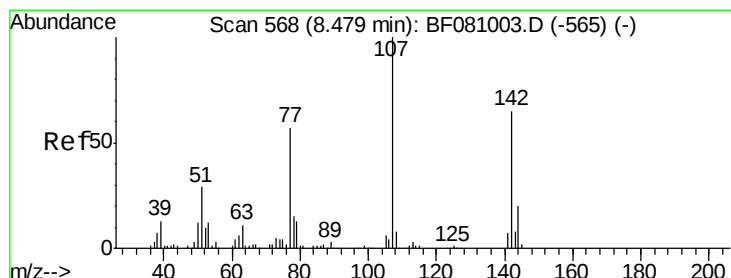
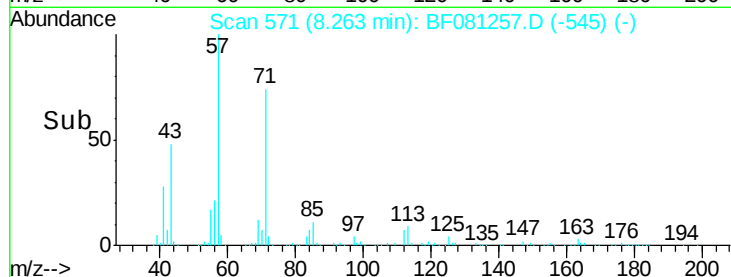
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



Time-->



#36

4-Chloro-3-methylphenol

Concen: 4.56 ng

RT: 8.32 min Scan# 576

Delta R.T. -0.05 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

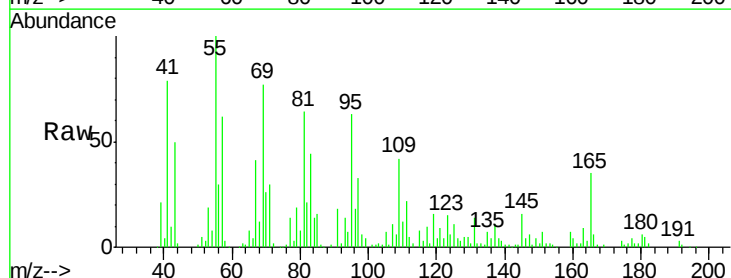
Tgt Ion:107 Resp: 12796

Ion Ratio Lower Upper

107 100

144 7.1 17.2 25.8#

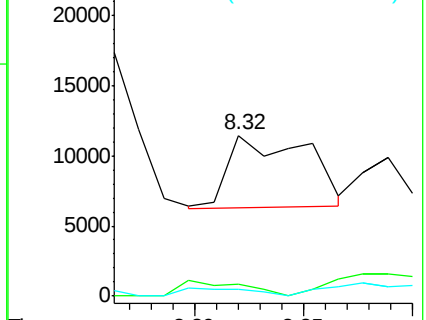
142 3.9 54.9 82.3#



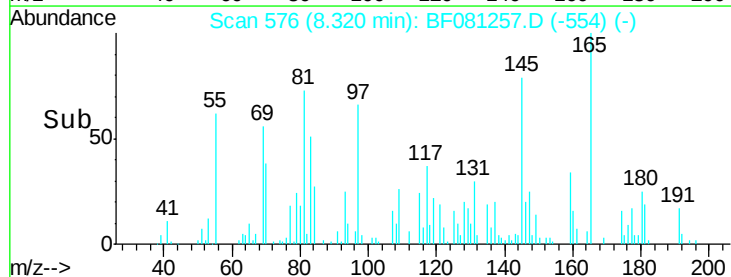
Abundance Ion 107.00 (106.70 to 107.70): E

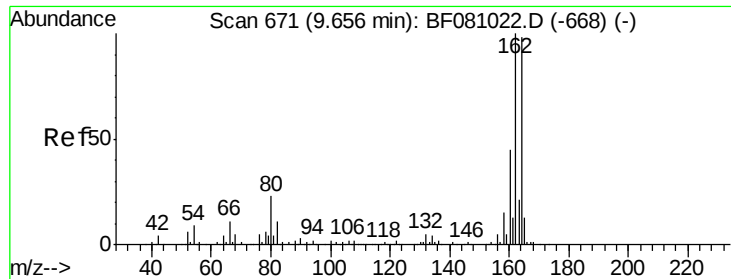
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->

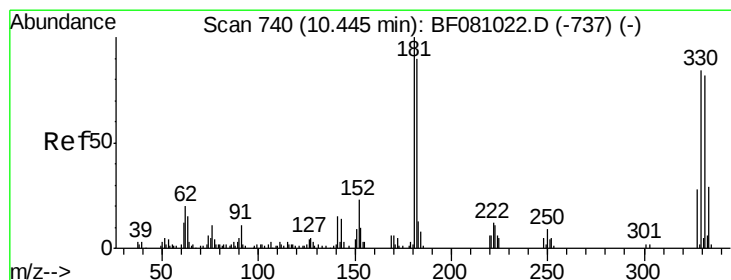
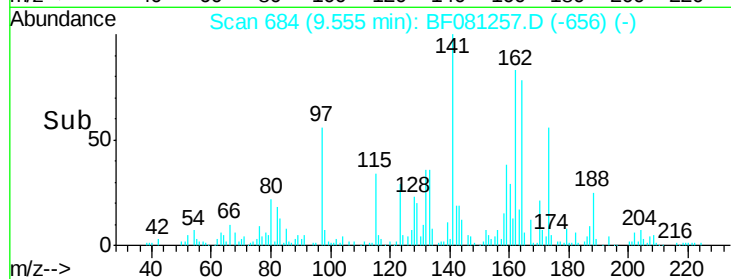
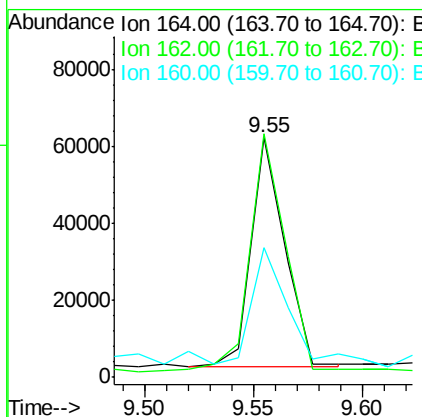
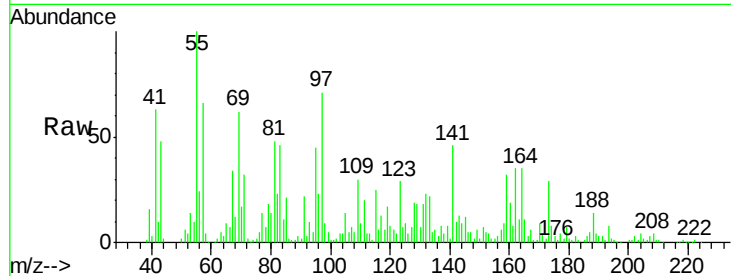




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.55 min Scan# 684  
 Delta R.T. 0.02 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

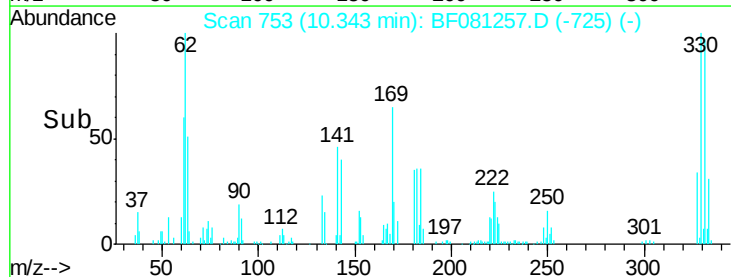
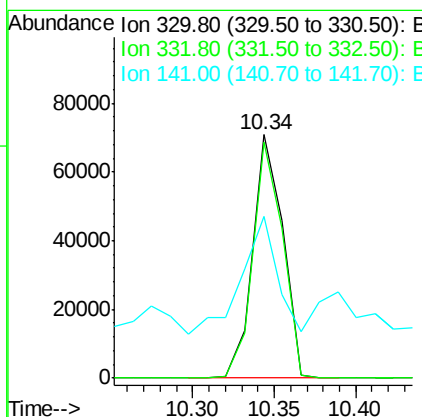
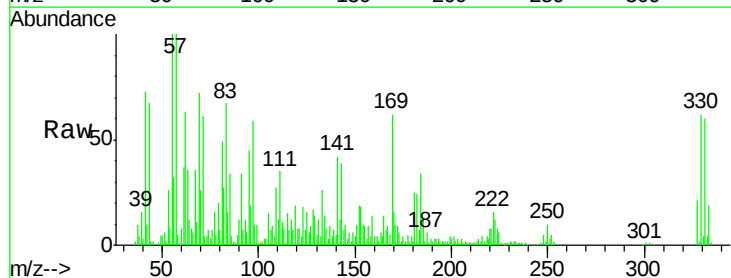
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB1(7-9)

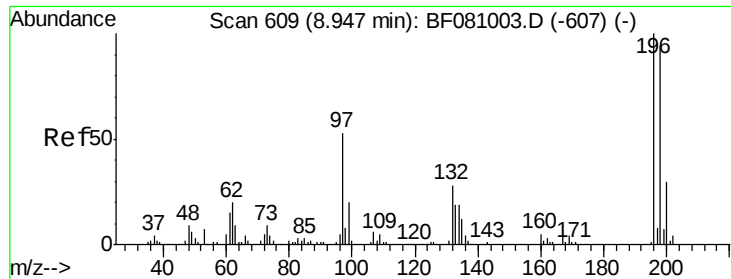
Tgt Ion:164 Resp: 63657  
 Ion Ratio Lower Upper  
 164 100  
 162 101.8 83.8 125.8  
 160 54.4 39.8 59.8



#41  
 2,4,6-Tribromophenol  
 Concen: 164.08 ng  
 RT: 10.34 min Scan# 753  
 Delta R.T. 0.02 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

Tgt Ion:330 Resp: 90542  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.3 115.9  
 141 56.4 44.9 67.3

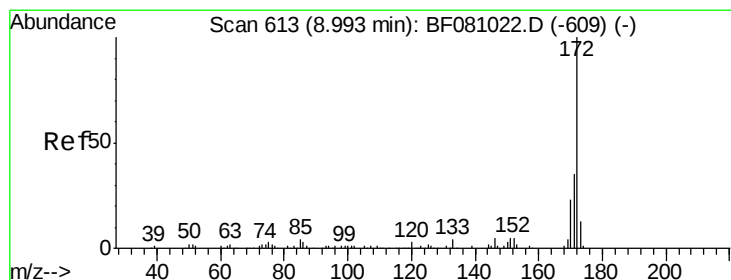
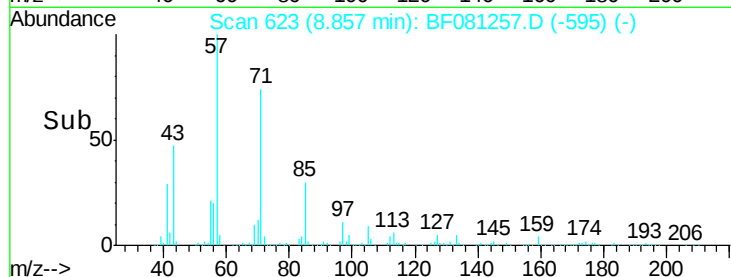
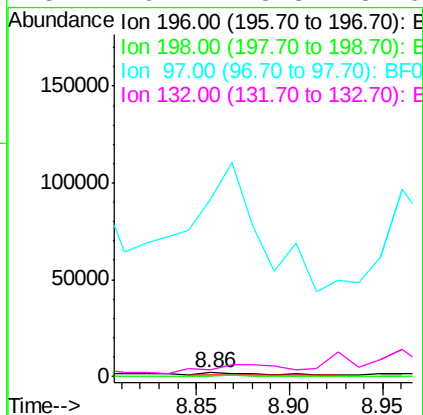
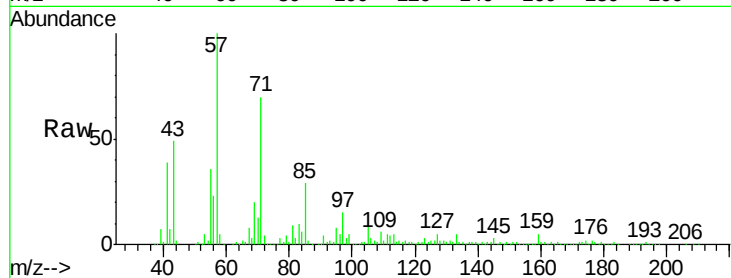




#43  
 2,4,5-Trichlorophenol  
 Concen: 2.18 ng  
 RT: 8.86 min Scan# 623  
 Delta R.T. 0.02 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

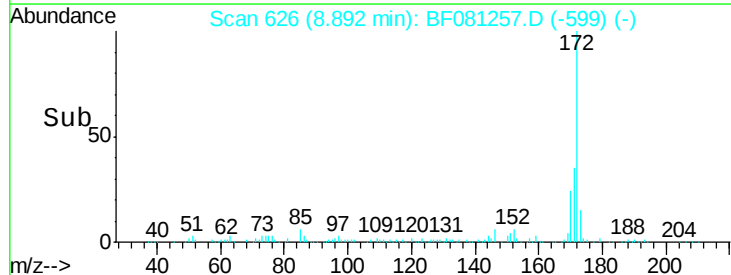
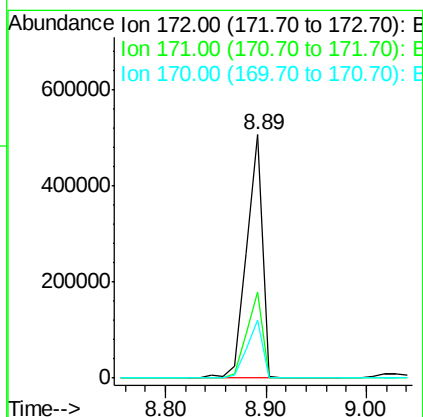
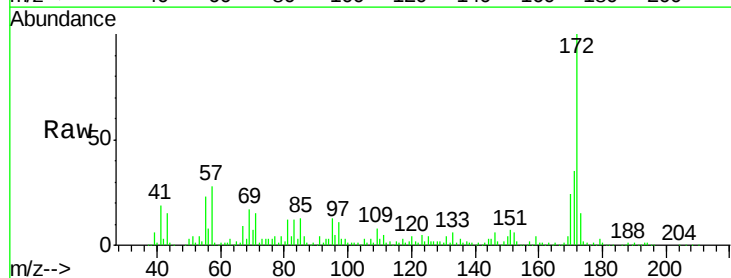
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB1(7-9)

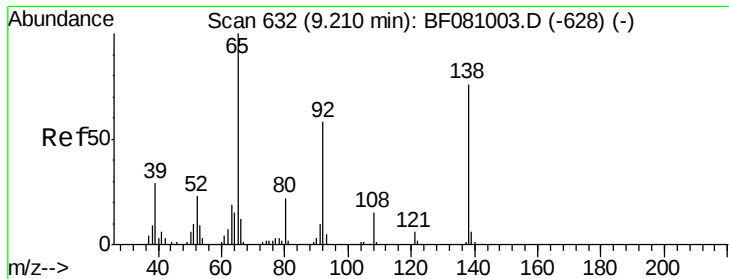
Tgt Ion:196 Resp: 3163  
 Ion Ratio Lower Upper  
 196 100  
 198 0.0 78.3 117.5#  
 97 5376.7 42.7 64.1#  
 132 210.1 23.3 34.9#



#44  
 2-Fluorobiphenyl  
 Concen: 114.51 ng  
 RT: 8.89 min Scan# 626  
 Delta R.T. 0.01 min  
 Lab File: BF081257.D  
 Acq: 28 Aug 2015 2:11

Tgt Ion:172 Resp: 556315  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.9 43.3  
 170 23.8 19.4 29.2

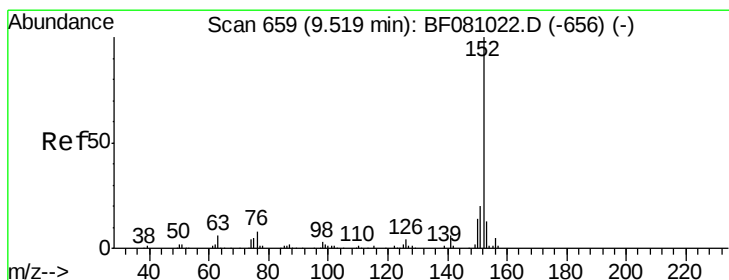
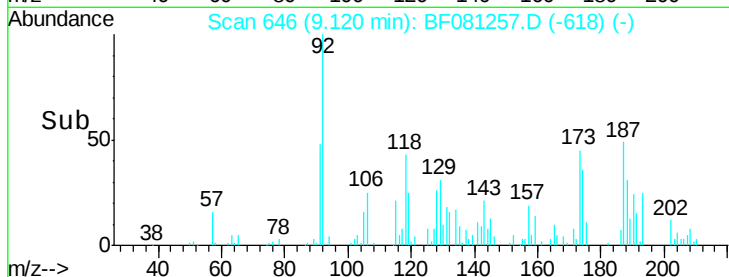
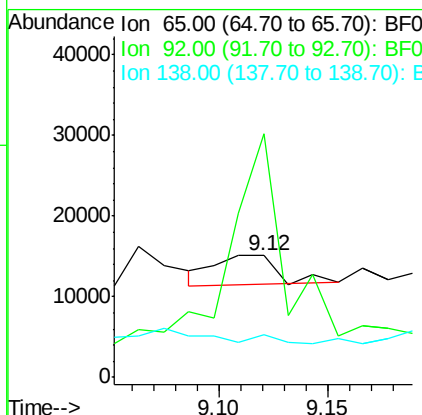
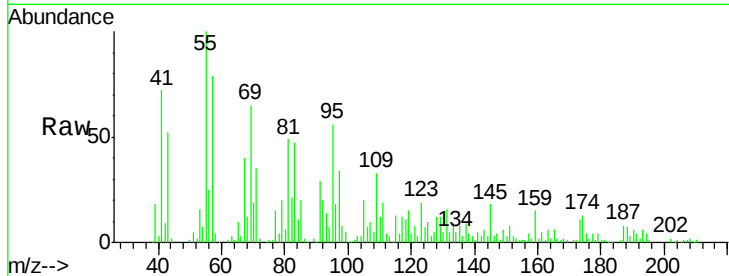




#47  
2-Nitroaniline  
Concen: 3.92 ng  
RT: 9.12 min Scan# 646  
Delta R.T. 0.02 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

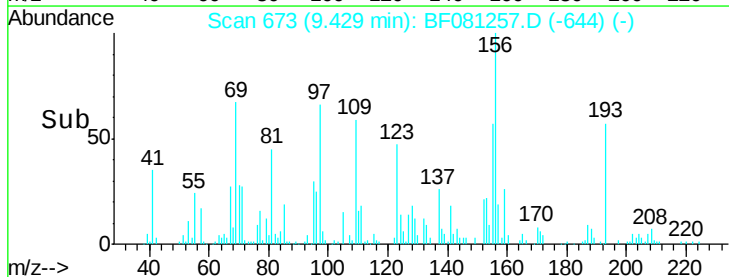
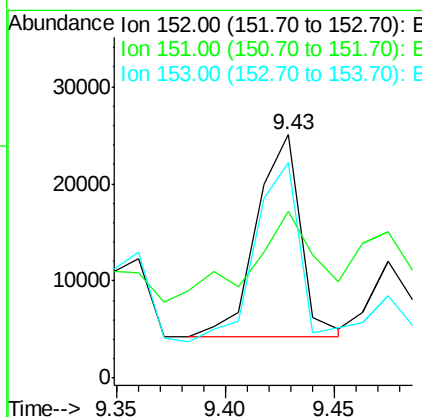
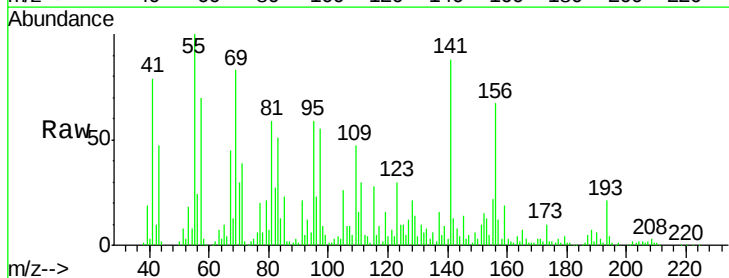
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

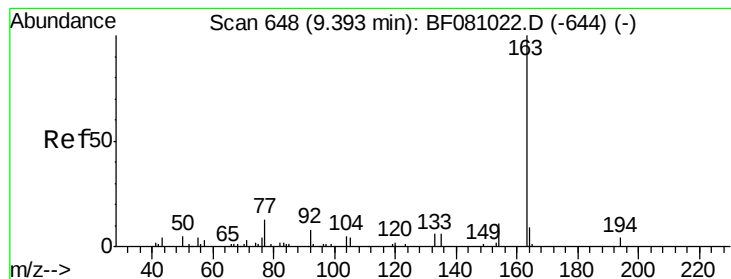
Tgt Ion: 65 Resp: 7221  
Ion Ratio Lower Upper  
65 100  
92 199.9 45.6 68.4#  
138 34.6 57.9 86.9#



#48  
Acenaphthylene  
Concen: 3.64 ng  
RT: 9.43 min Scan# 673  
Delta R.T. 0.03 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Tgt Ion: 152 Resp: 29364  
Ion Ratio Lower Upper  
152 100  
151 68.7 16.1 24.1#  
153 88.6 9.8 14.6#





#49

Dimethylphthalate

Concen: 14.84 ng

RT: 9.29 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

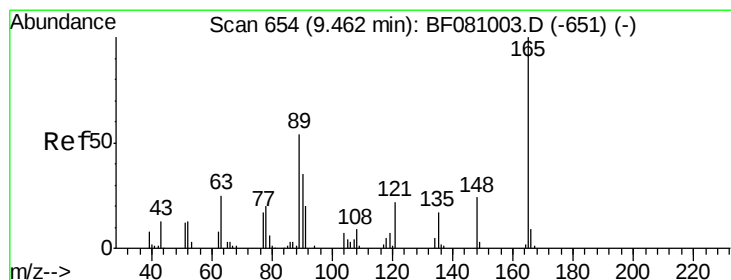
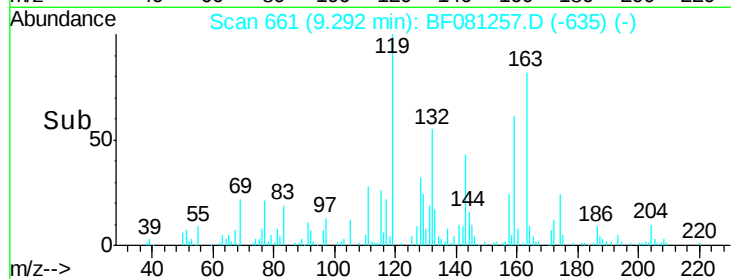
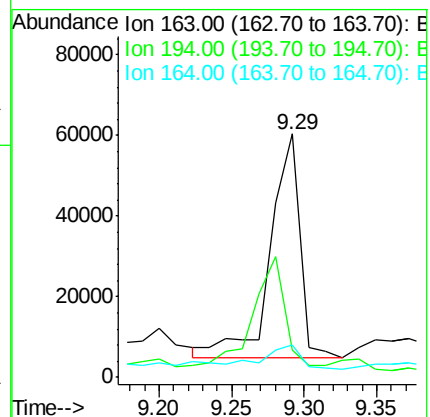
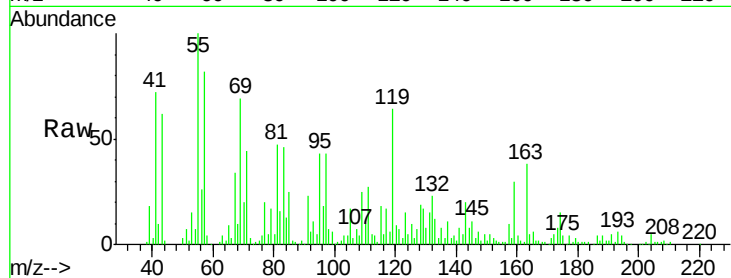
Tgt Ion:163 Resp: 77784

Ion Ratio Lower Upper

163 100

194 11.0 2.5 3.7#

164 13.3 8.1 12.1#



#50

2,6-Dinitrotoluene

Concen: 13.25 ng

RT: 9.37 min Scan# 668

Delta R.T. 0.03 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

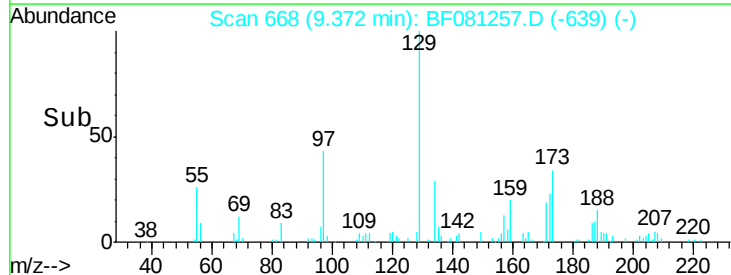
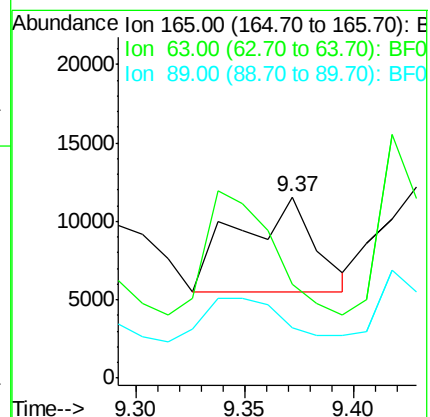
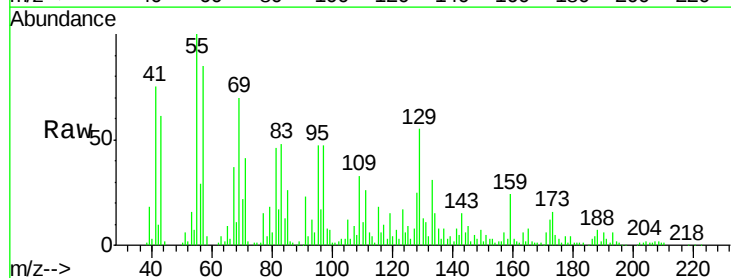
Tgt Ion:165 Resp: 14915

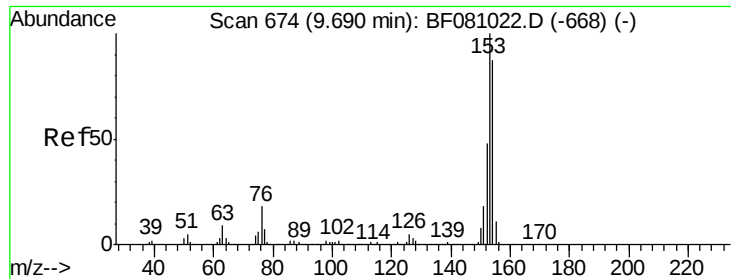
Ion Ratio Lower Upper

165 100

63 51.5 49.5 74.3

89 28.0 47.6 71.4#





#51

Acenaphthene

Concen: 12.28 ng

RT: 9.59 min Scan# 687

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

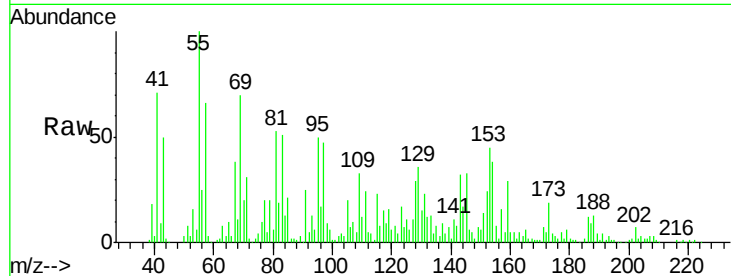
Tgt Ion:154 Resp: 59236

Ion Ratio Lower Upper

154 100

153 120.0 91.4 137.2

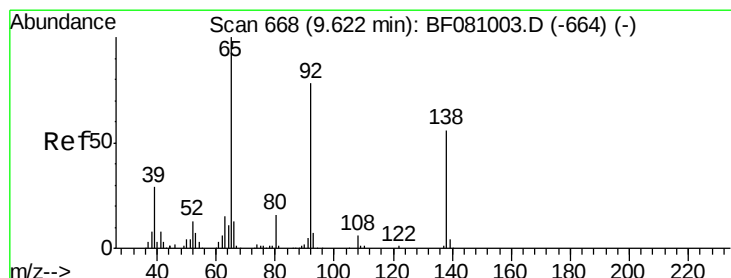
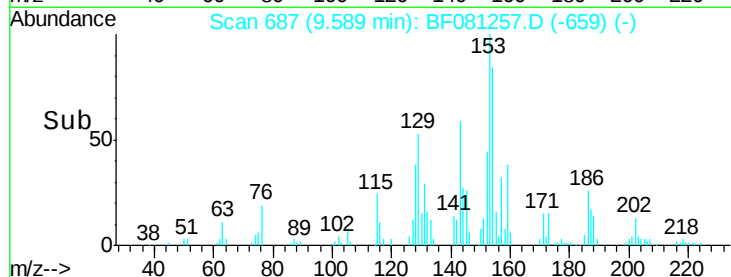
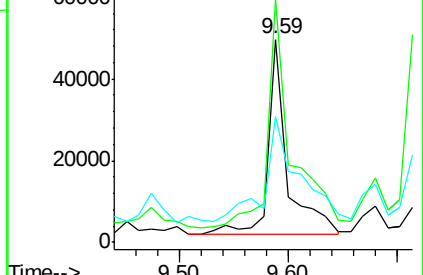
152 62.2 43.7 65.5



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



#52

3-Nitroaniline

Concen: 11.08 ng

RT: 9.51 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

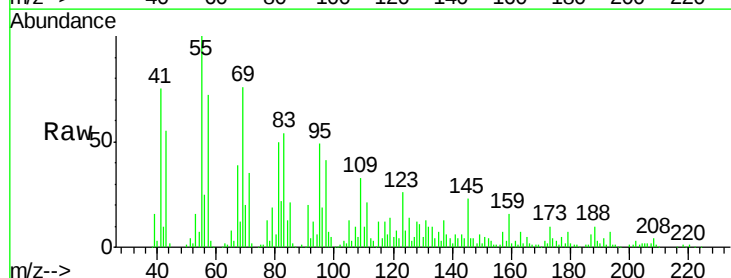
Tgt Ion:138 Resp: 15608

Ion Ratio Lower Upper

138 100

108 78.9 9.4 14.2#

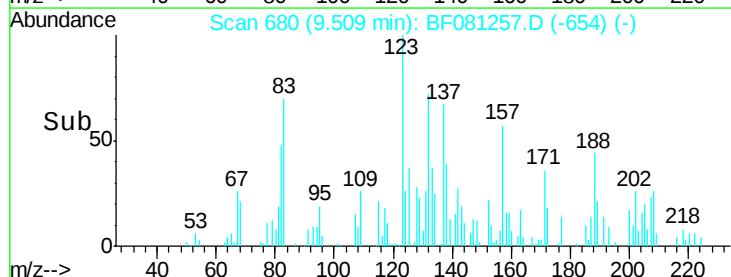
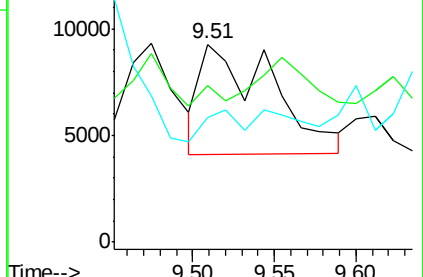
92 62.6 113.2 169.8#

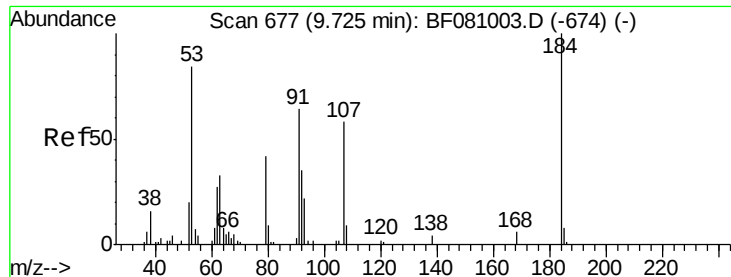


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

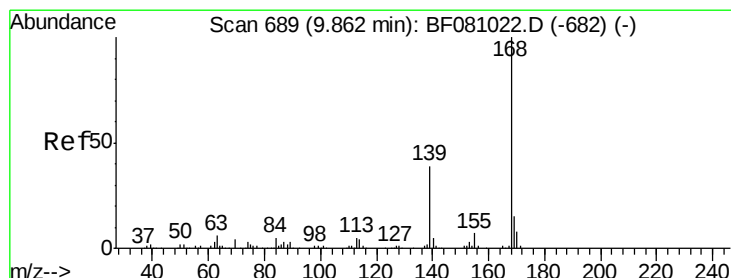
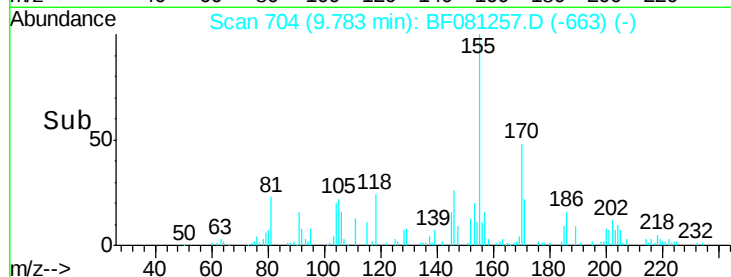
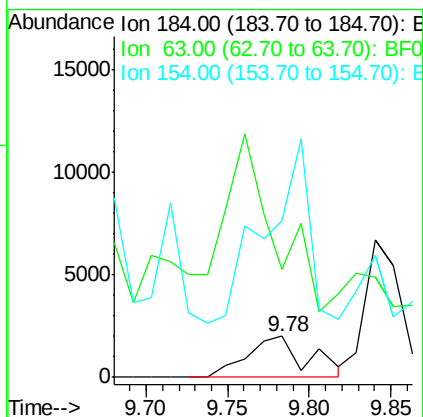
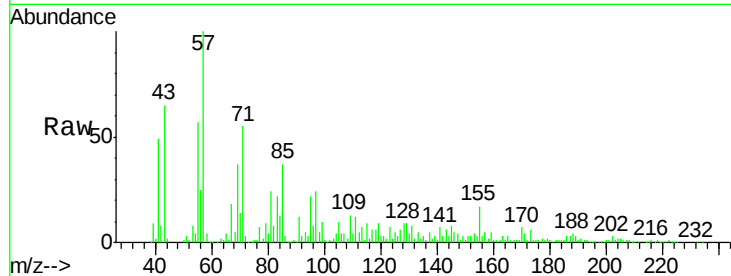




#53  
2,4-Dinitrophenol  
Concen: 12.23 ng  
RT: 9.78 min Scan# 704  
Delta R.T. 0.17 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

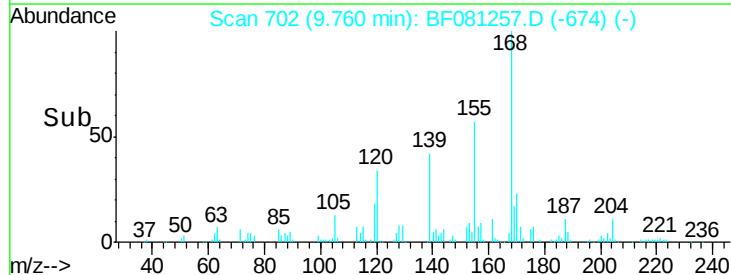
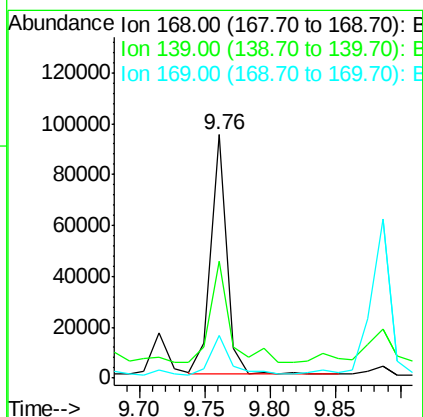
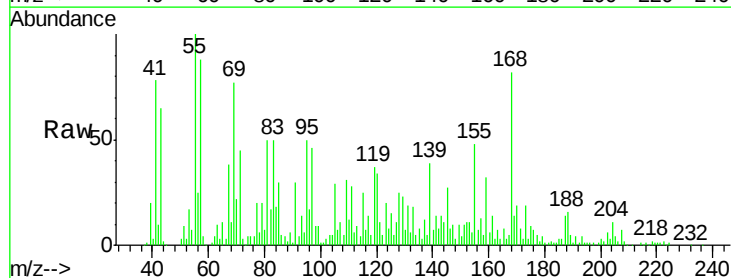
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

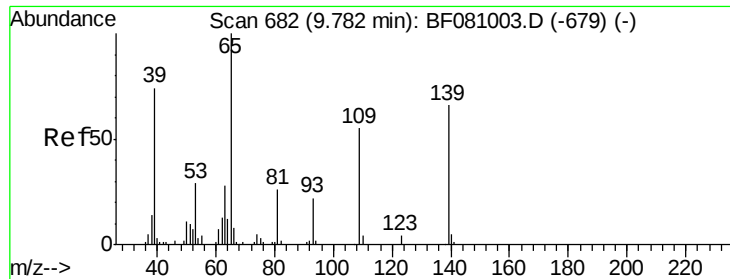
Tgt Ion:184 Resp: 5166  
Ion Ratio Lower Upper  
184 100  
63 262.5 101.7 152.5#  
154 379.1 67.4 101.0#



#54  
Dibenzofuran  
Concen: 12.61 ng  
RT: 9.76 min Scan# 702  
Delta R.T. 0.02 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Tgt Ion:168 Resp: 81522  
Ion Ratio Lower Upper  
168 100  
139 48.1 29.3 43.9#  
169 17.6 10.3 15.5#

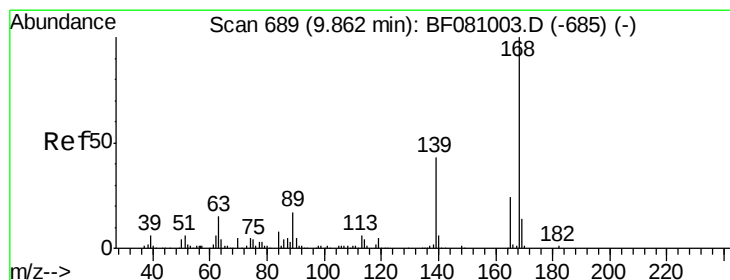
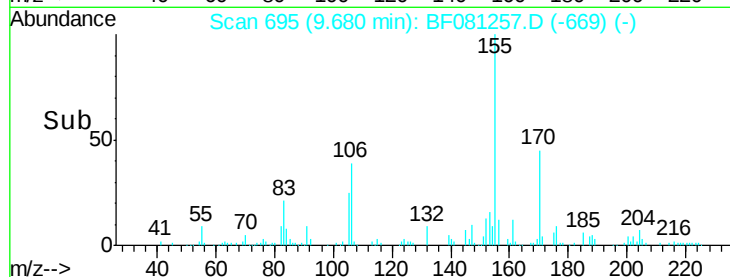
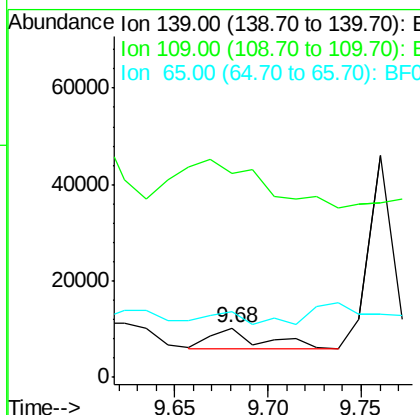
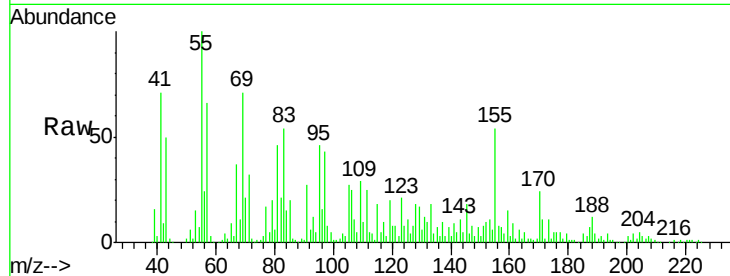




#55  
4-Nitrophenol  
Concen: 8.09 ng  
RT: 9.68 min Scan# 695  
Delta R.T. -0.00 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

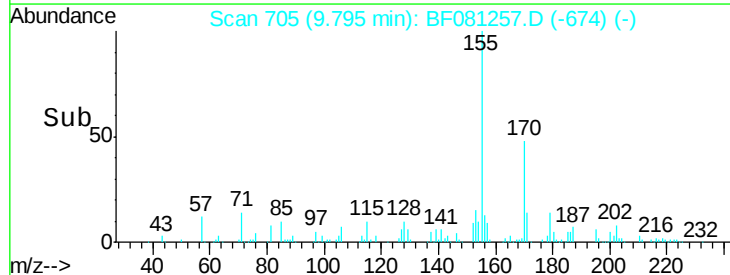
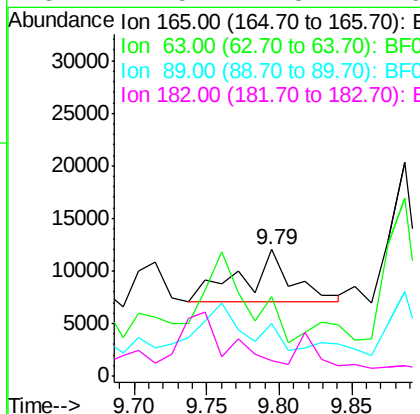
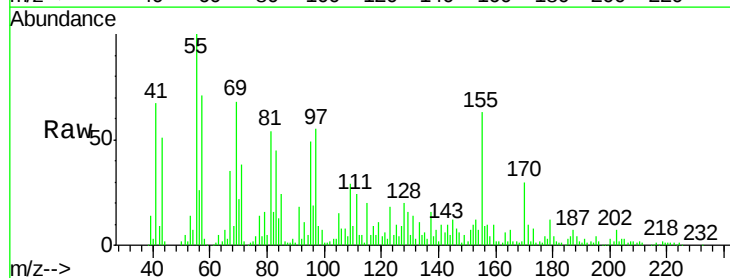
Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

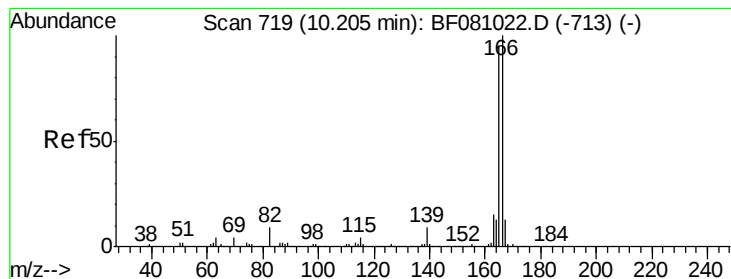
Tgt Ion:139 Resp: 8002  
Ion Ratio Lower Upper  
139 100  
109 412.8 80.0 120.0#  
65 132.9 138.3 178.3#



#56  
2,4-Dinitrotoluene  
Concen: 7.90 ng  
RT: 9.79 min Scan# 705  
Delta R.T. 0.06 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Tgt Ion:165 Resp: 11785  
Ion Ratio Lower Upper  
165 100  
63 62.5 52.2 78.4  
89 42.1 60.1 90.1#  
182 12.5 1.8 2.6#





#57

Fluorene

Concen: 28.23 ng

RT: 10.10 min Scan# 732

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

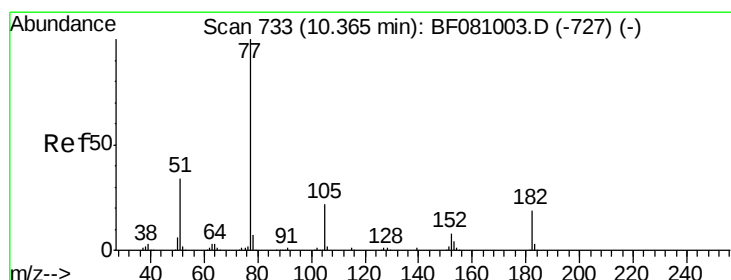
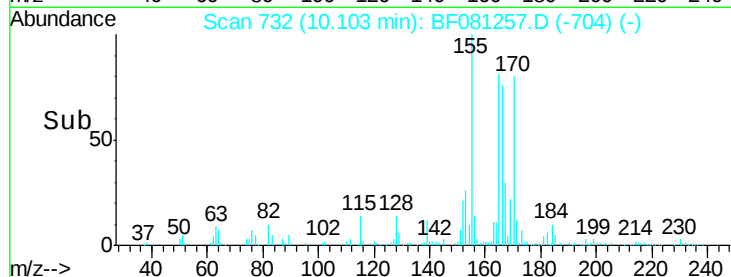
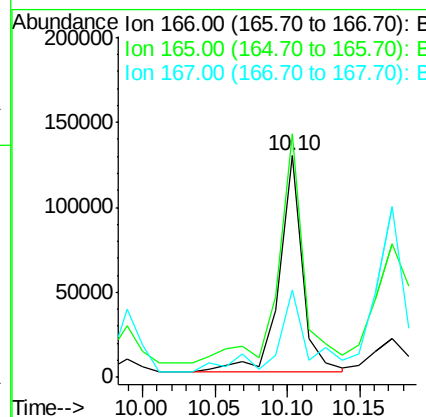
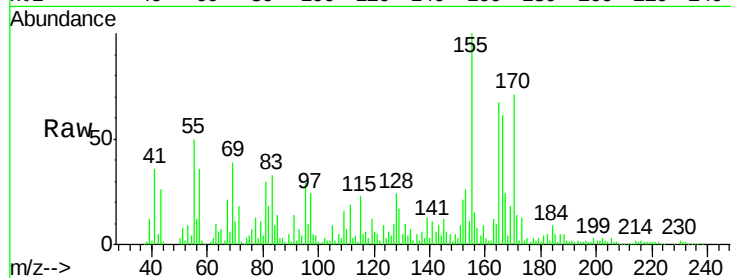
Tgt Ion:166 Resp: 140401

Ion Ratio Lower Upper

166 100

165 110.0 75.8 113.8

167 39.6 11.3 16.9#



#62

Azobenzene

Concen: 2.31 ng

RT: 10.27 min Scan# 747

Delta R.T. 0.03 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Tgt Ion: 77 Resp: 14793

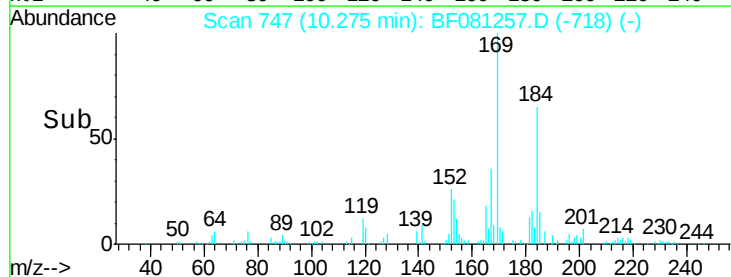
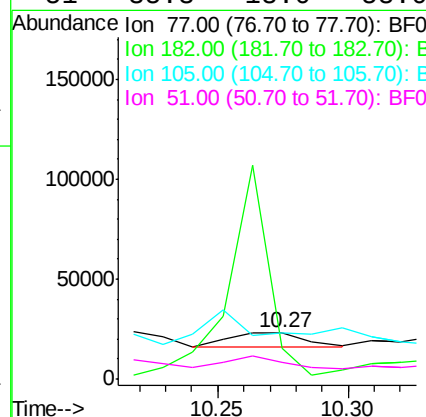
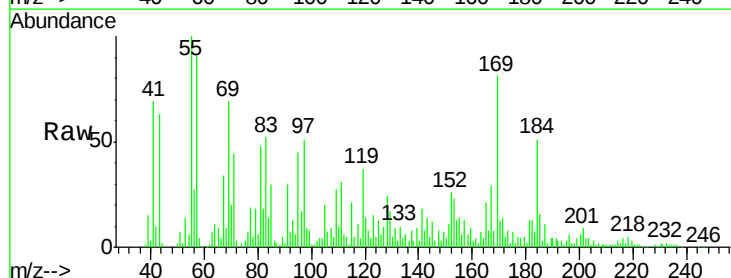
Ion Ratio Lower Upper

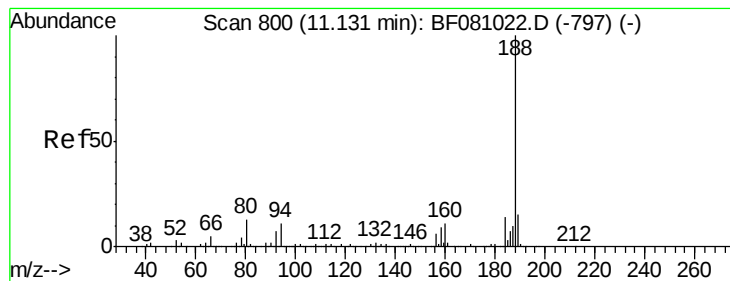
77 100

182 65.8 0.0 39.0#

105 100.7 0.2 40.2#

51 35.3 18.0 58.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 813

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

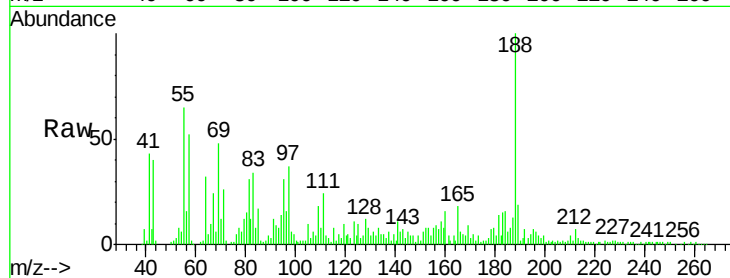
Tgt Ion:188 Resp: 133755

Ion Ratio Lower Upper

188 100

94 14.4 8.2 12.2#

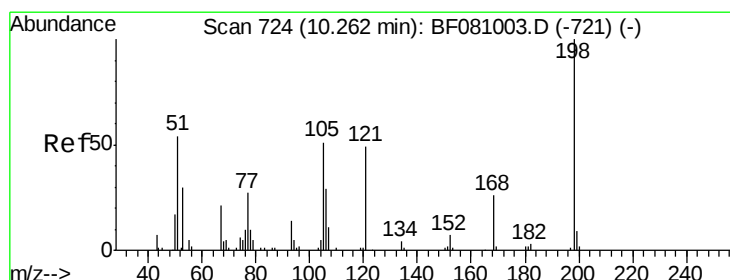
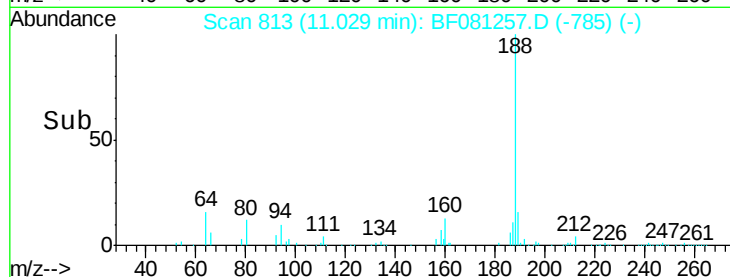
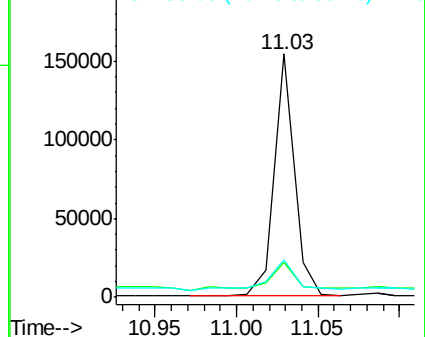
80 15.5 9.5 14.3#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.51 ng

RT: 10.21 min Scan# 741

Delta R.T. 0.06 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

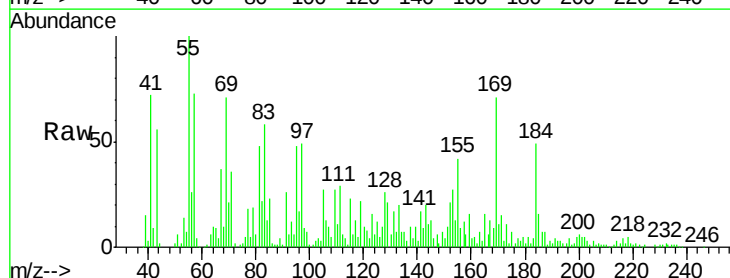
Tgt Ion:198 Resp: 2805

Ion Ratio Lower Upper

198 100

51 319.3 79.7 119.7#

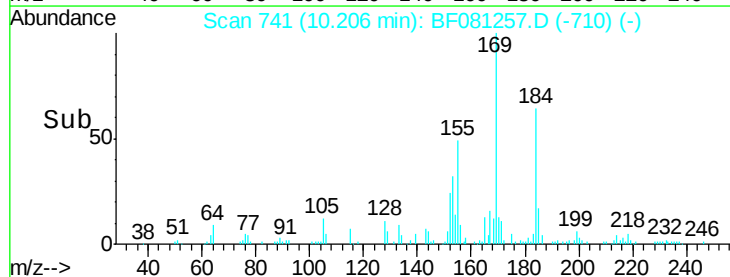
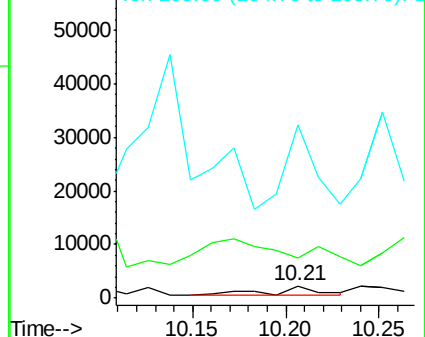
105 1380.3 47.0 87.0#

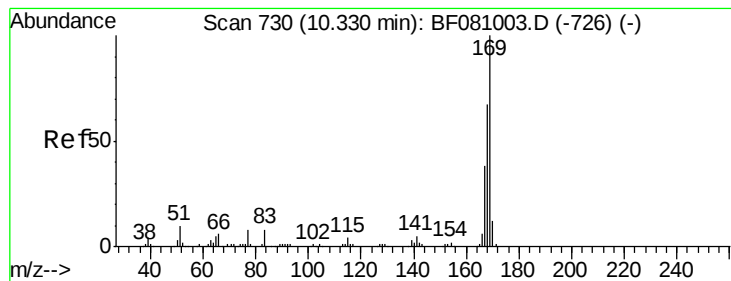


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.37 ng

RT: 10.23 min Scan# 743

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

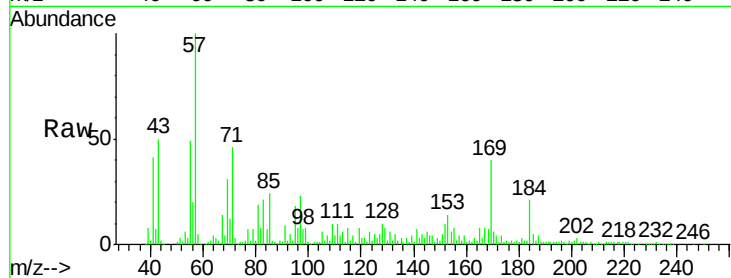
Tgt Ion:169 Resp: 221410

Ion Ratio Lower Upper

169 100

168 17.3 55.3 82.9#

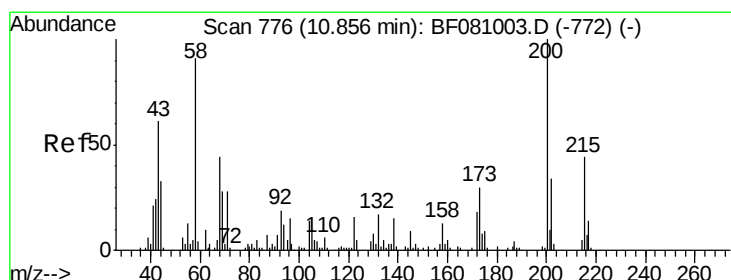
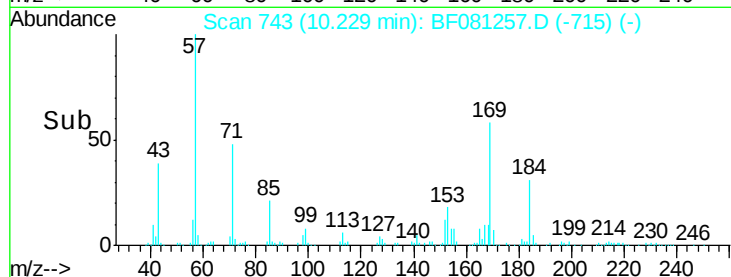
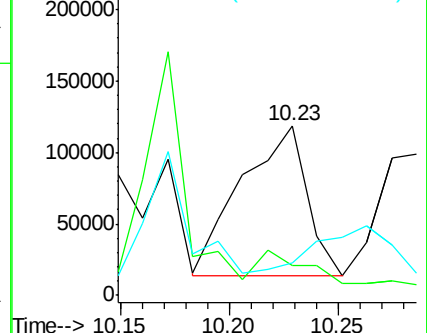
167 18.7 30.8 46.2#



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



#68

Atrazine

Concen: 10.18 ng

RT: 10.77 min Scan# 790

Delta R.T. 0.03 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

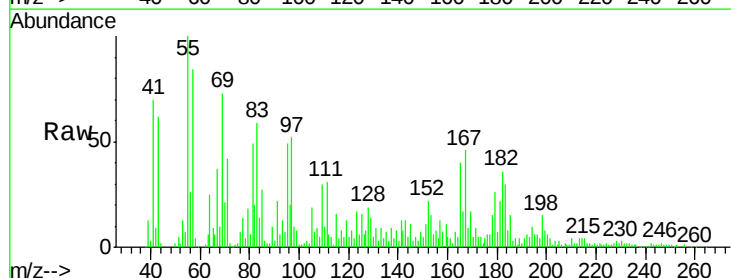
Tgt Ion:200 Resp: 13537

Ion Ratio Lower Upper

200 100

173 82.3 8.1 48.1#

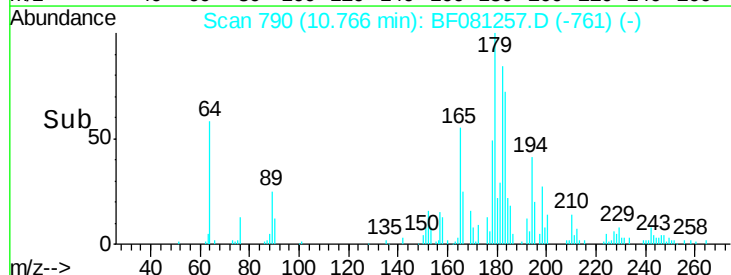
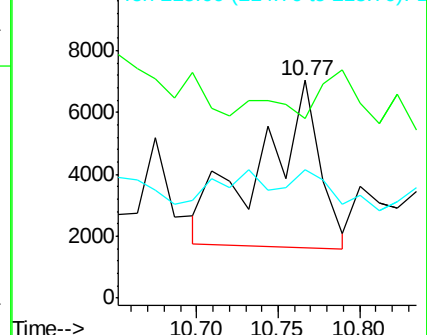
215 58.8 23.3 63.3

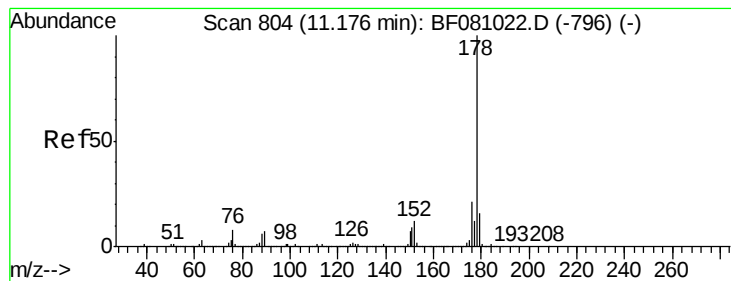


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 7.54 ng

RT: 11.10 min Scan# 819

Delta R.T. 0.07 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

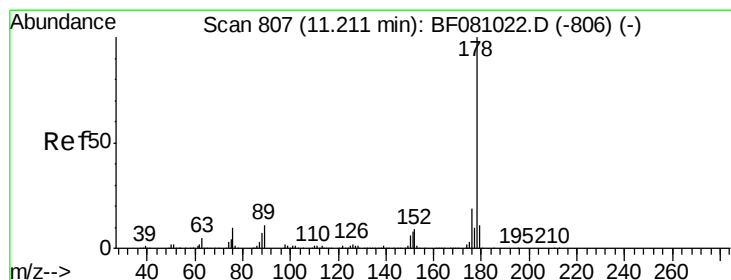
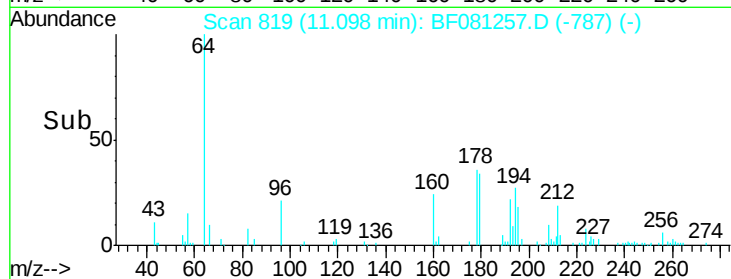
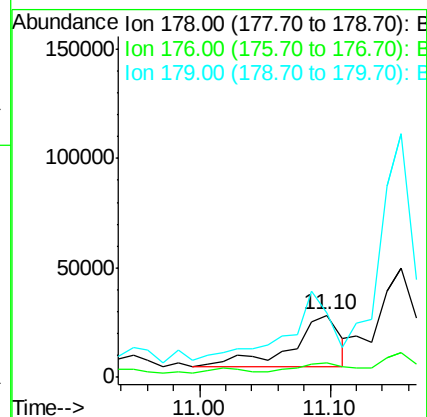
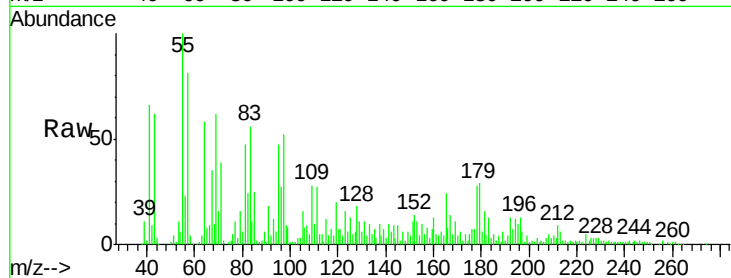
Tgt Ion:178 Resp: 59796

Ion Ratio Lower Upper

178 100

176 23.4 15.7 23.5

179 104.7 12.2 18.2#



#71

Anthracene

Concen: 7.75 ng

RT: 11.10 min Scan# 819

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

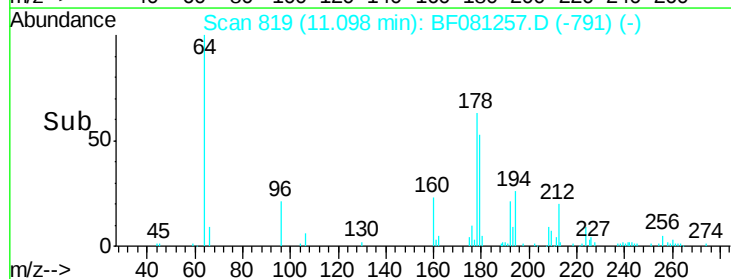
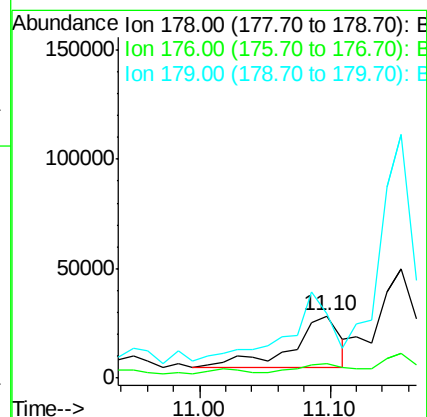
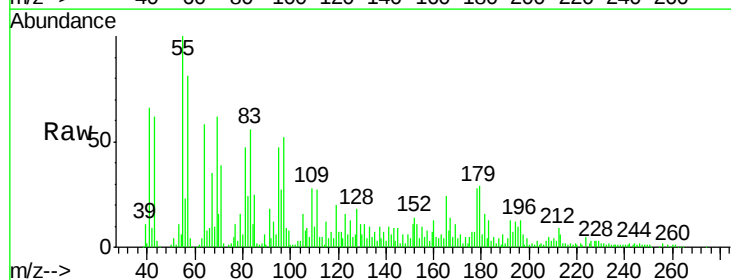
Tgt Ion:178 Resp: 59796

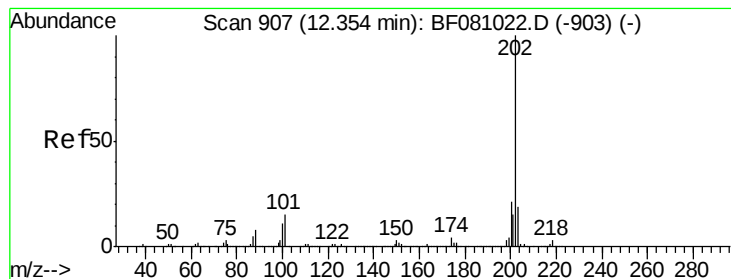
Ion Ratio Lower Upper

178 100

176 23.4 15.7 23.5

179 104.7 12.7 19.1#





#74

Fluoranthene

Concen: 5.22 ng

RT: 12.46 min Scan# 938

Delta R.T. 0.25 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

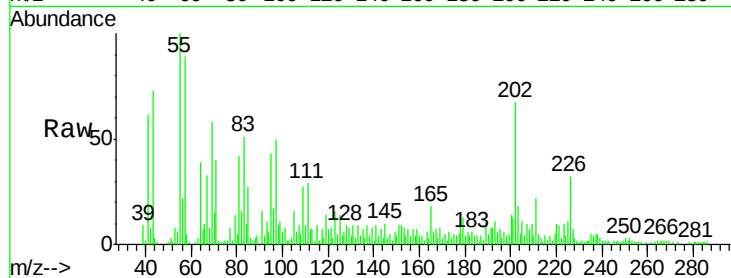
Tgt Ion:202 Resp: 44630

Ion Ratio Lower Upper

202 100

101 11.8 0.0 24.8

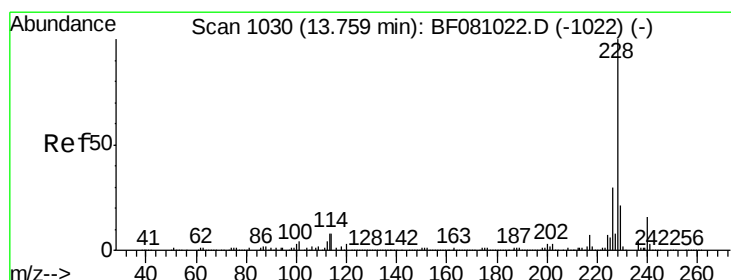
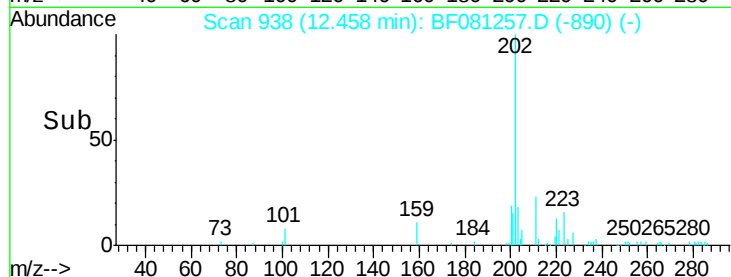
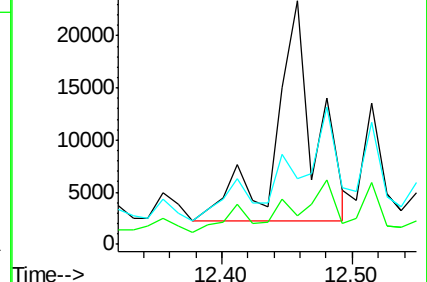
203 27.0 0.0 36.9



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: 13.61 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

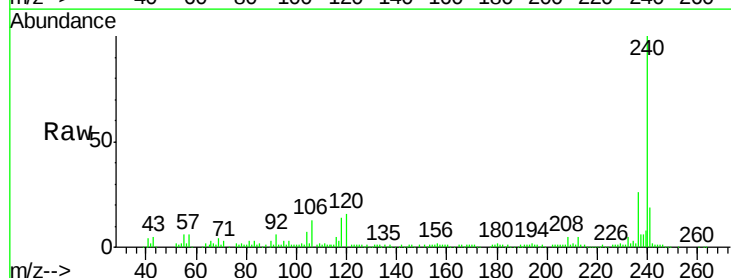
Tgt Ion:240 Resp: 124394

Ion Ratio Lower Upper

240 100

120 15.8 5.6 8.4#

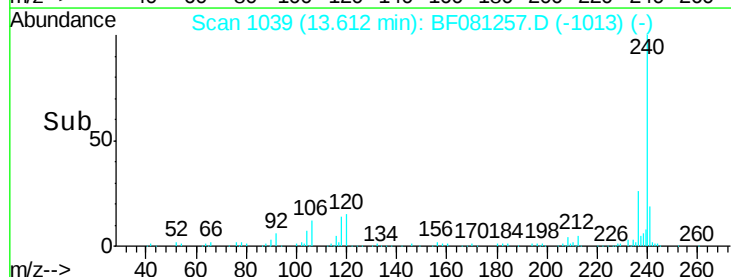
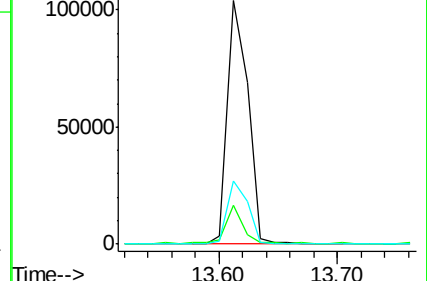
236 26.1 20.6 30.8

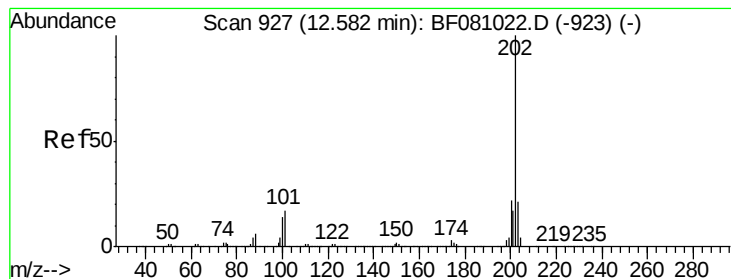


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.55 ng

RT: 12.46 min Scan# 938

Delta R.T. 0.03 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB1(7-9)

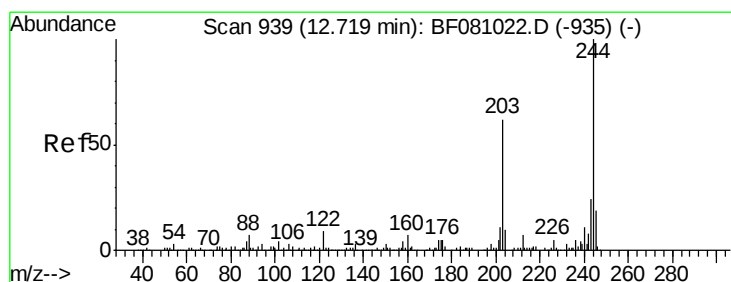
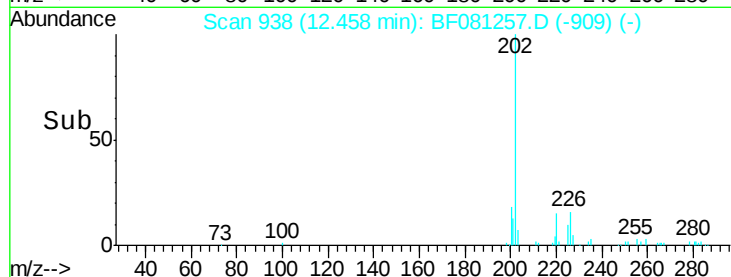
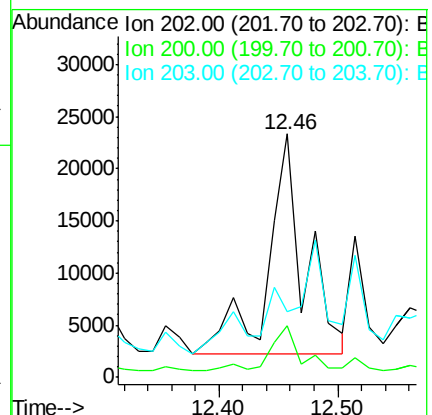
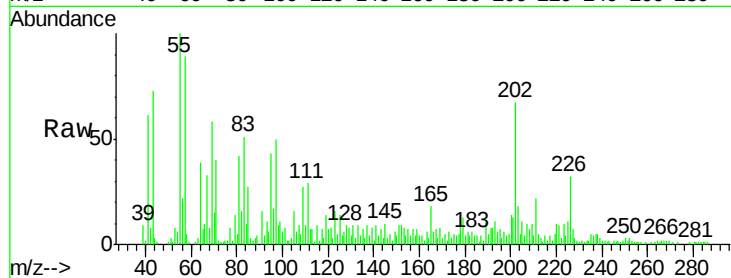
Tgt Ion:202 Resp: 46031

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 27.0 14.1 21.1#



#78

Terphenyl-d14

Concen: 87.76 ng

RT: 12.61 min Scan# 951

Delta R.T. 0.02 min

Lab File: BF081257.D

Acq: 28 Aug 2015 2:11

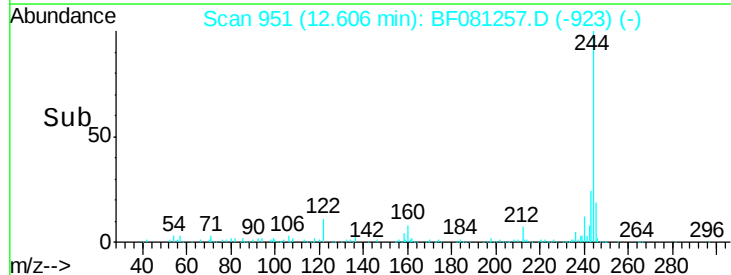
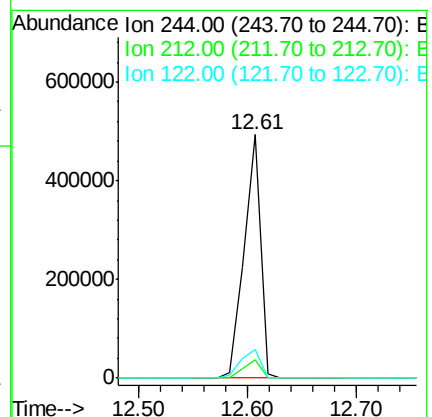
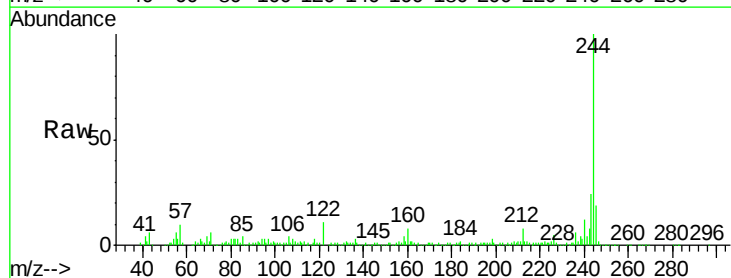
Tgt Ion:244 Resp: 509200

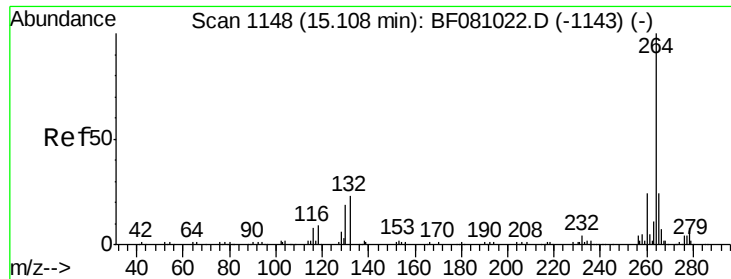
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 11.5 8.2 12.4





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.94 min Scan# 1155  
Delta R.T. -0.00 min  
Lab File: BF081257.D  
Acq: 28 Aug 2015 2:11

Instrument :  
BNA\_F  
ClientSampleId :  
SB1(7-9)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.6  | 29.4  |
| 265     | 21.3  | 17.5  | 26.3  |

