

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110815\  
 Data File : BF082807.D  
 Acq On : 7 Nov 2015 13:32  
 Operator : UM/IZ  
 Sample : G4257-09  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WABUT-4(0-2)

Quant Time: Nov 09 00:01:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

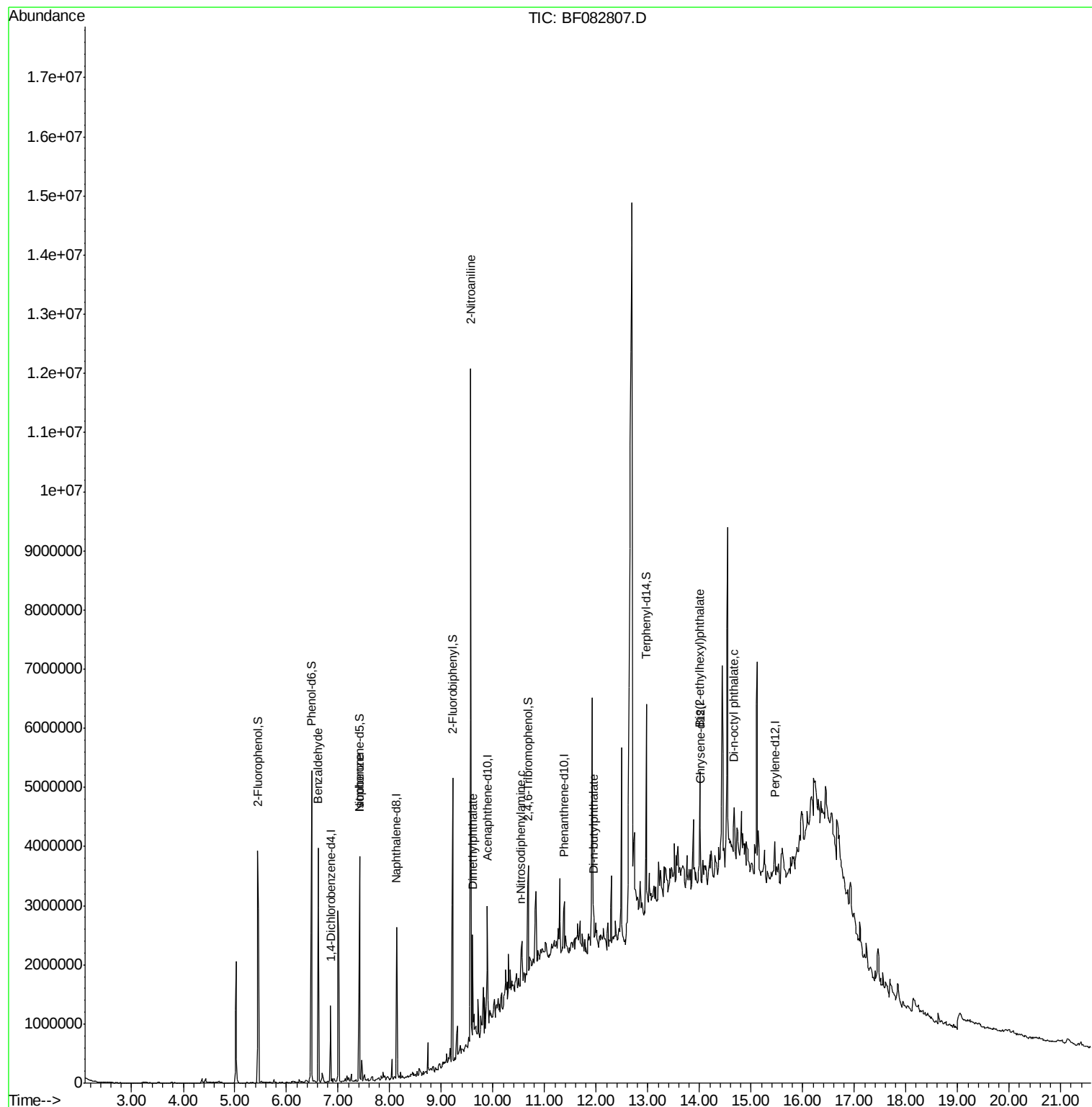
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 224848   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 785736   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.89  | 164  | 362743   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.38 | 188  | 493122   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 399563   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.46 | 264  | 358684   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 1463589  | 101.28 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 1922157  | 100.05 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 1306486  | 72.35  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 313187   | 75.30  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 1739526  | 68.73  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.97 | 244  | 1125641  | 66.82  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.61  | 77   | 33579    | 3.16   | ng    | 82       |
| 25) Isophorone                 | 7.41  | 82   | 1289581  | 38.60  | ng    | # 70     |
| 47) 2-Nitroaniline             | 9.57  | 65   | 119119   | 13.23  | ng    | # 43     |
| 49) Dimethylphthalate          | 9.61  | 163  | 437134   | 14.71  | ng    | # 98     |
| 65) n-Nitrosodiphenylamine     | 10.54 | 169  | 122576   | 6.88   | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 194343   | 5.91   | ng    | # 96     |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 306869   | 18.49  | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.67 | 149  | 90815    | 3.28   | ng    | # 1      |

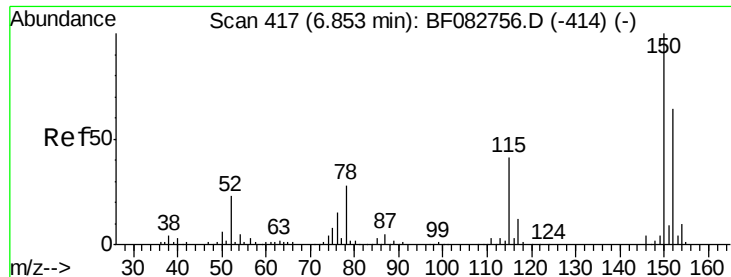
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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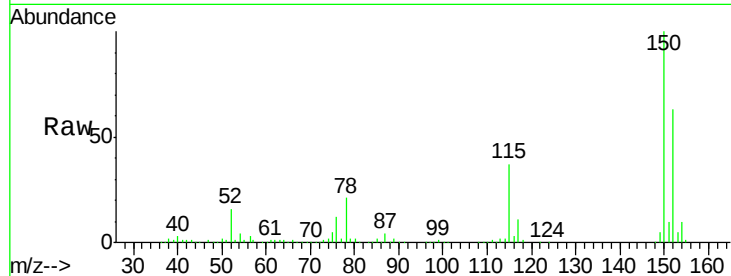




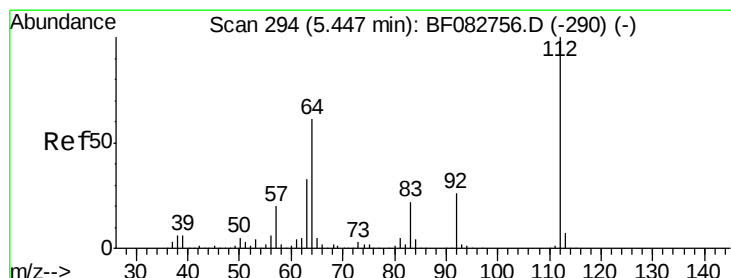
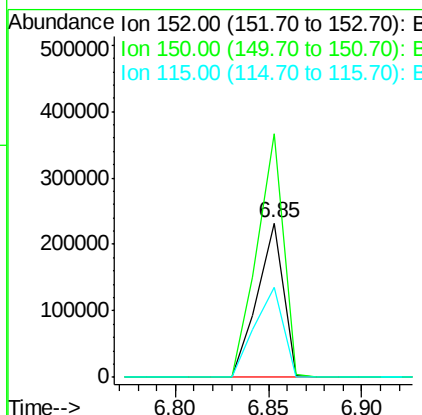
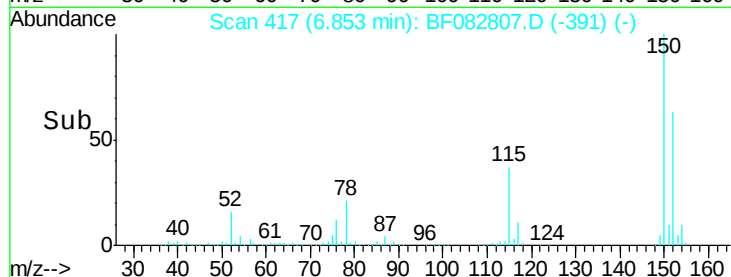
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.85 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: BF082807.D  
 Acq: 7 Nov 2015 13:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WABUT-4(0-2)

Tgt Ion:152 Resp: 224848  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 127.0 190.4  
 115 58.0 47.0 70.6

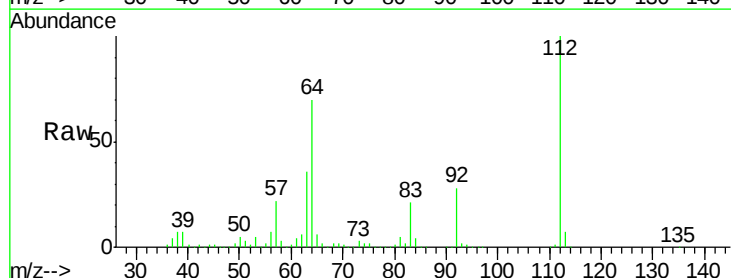


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

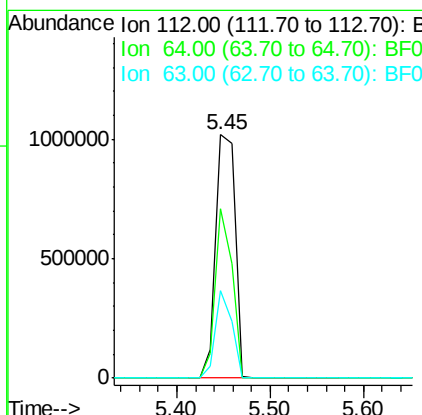
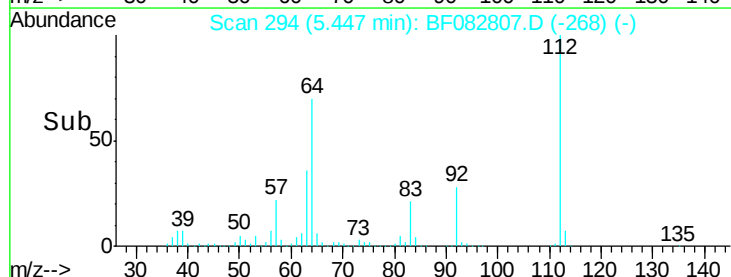


#5  
 2-Fluorophenol  
 Concen: 101.28 ng  
 RT: 5.45 min Scan# 294  
 Delta R.T. 0.00 min  
 Lab File: BF082807.D  
 Acq: 7 Nov 2015 13:32

Tgt Ion:112 Resp: 1463589  
 Ion Ratio Lower Upper  
 112 100  
 64 69.6 48.9 73.3  
 63 35.9 28.1 42.1



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: 100.05 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

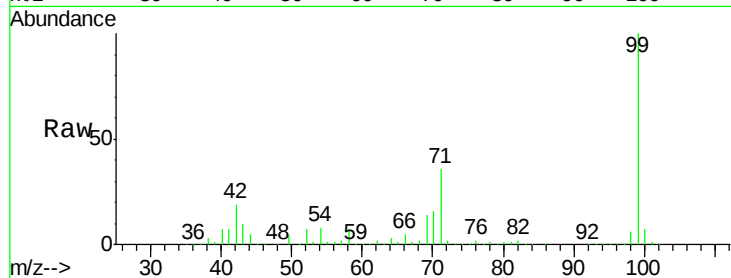
Tgt Ion: 99 Resp: 1922157

Ion Ratio Lower Upper

99 100

42 18.8 19.2 28.8#

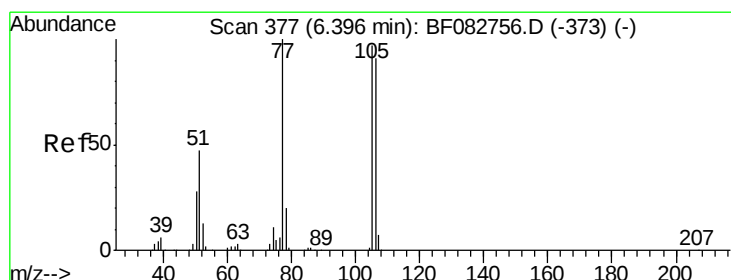
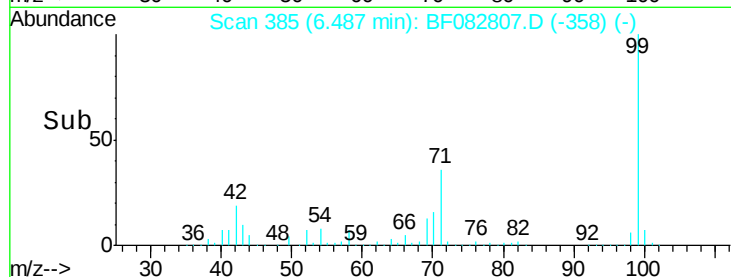
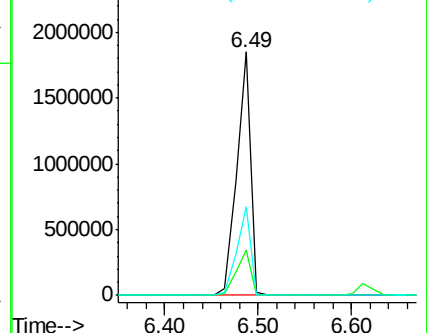
71 36.5 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.22 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

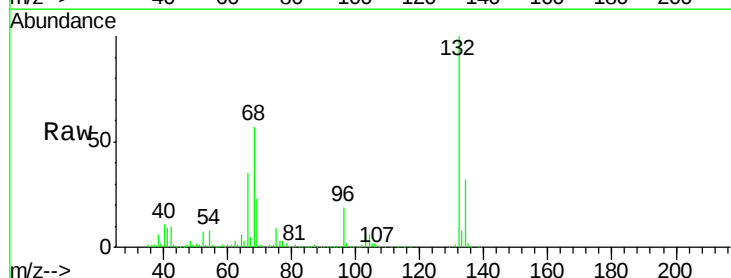
Tgt Ion: 77 Resp: 33579

Ion Ratio Lower Upper

77 100

105 69.2 63.5 103.5

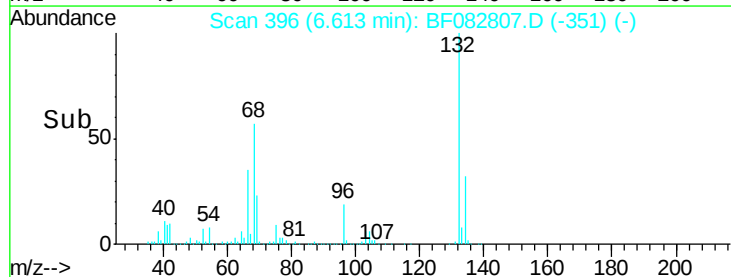
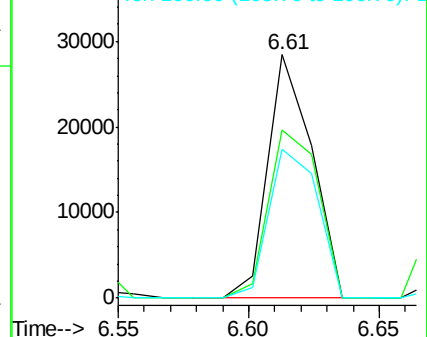
106 61.3 59.3 99.3

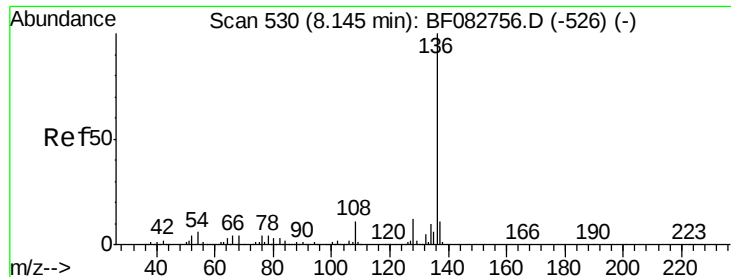


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

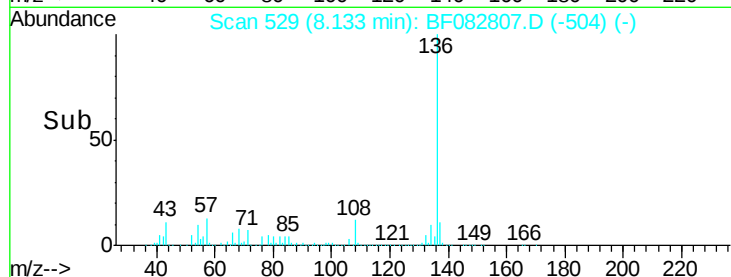
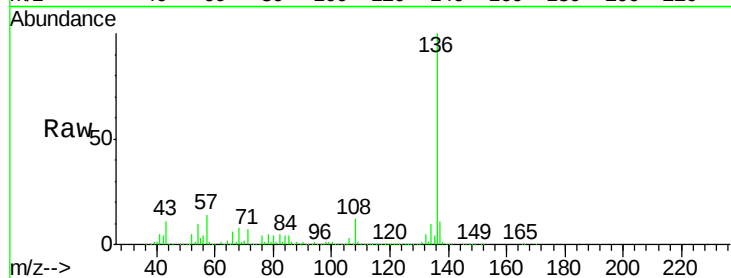
Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 785736 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 9.1   | 13.7   |
| 54       | 10.2  | 9.1   | 13.7   |
| 68       | 7.7   | 4.8   | 7.2#   |

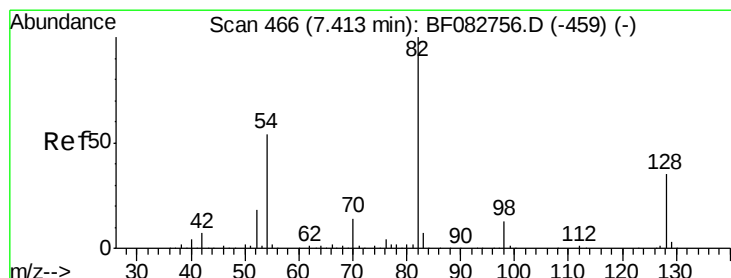
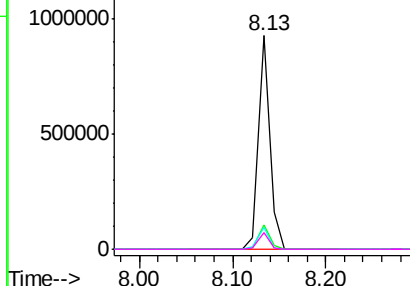


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 72.35 ng

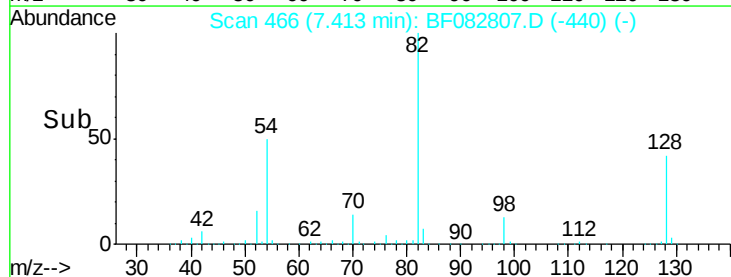
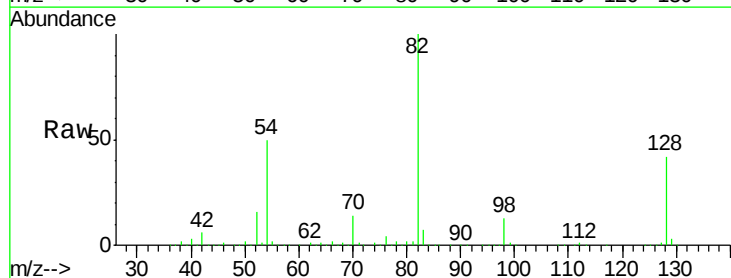
RT: 7.41 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

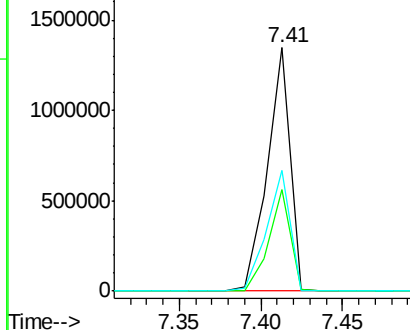
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1306486 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 41.8  | 26.8  | 40.2#   |
| 54       | 49.5  | 45.7  | 68.5    |

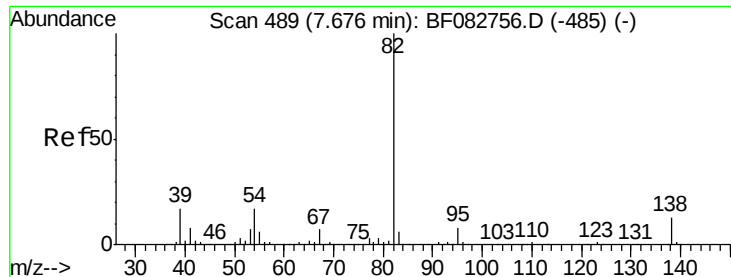


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.60 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

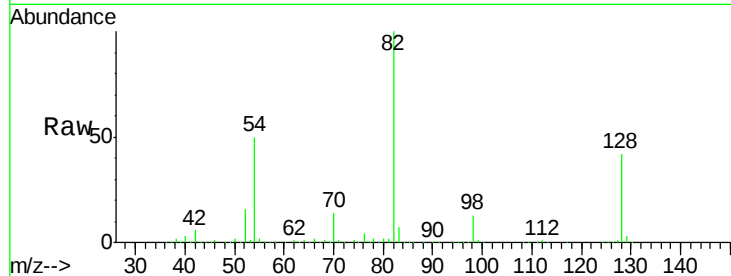
Tgt Ion: 82 Resp: 1289581

Ion Ratio Lower Upper

82 100

95 0.1 6.6 9.8#

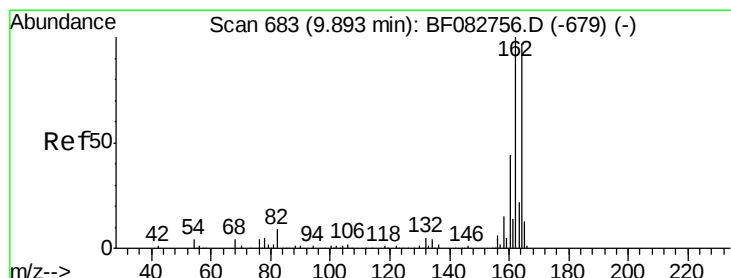
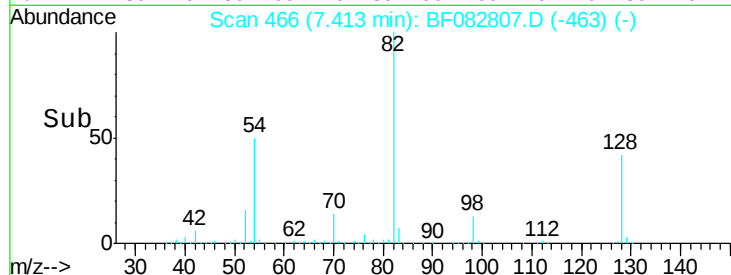
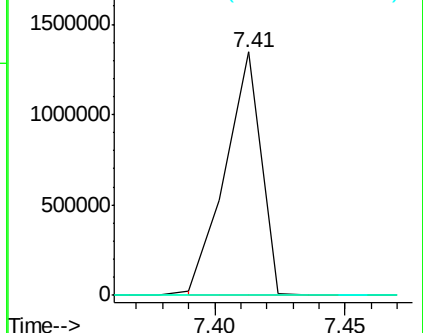
138 0.0 11.4 17.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

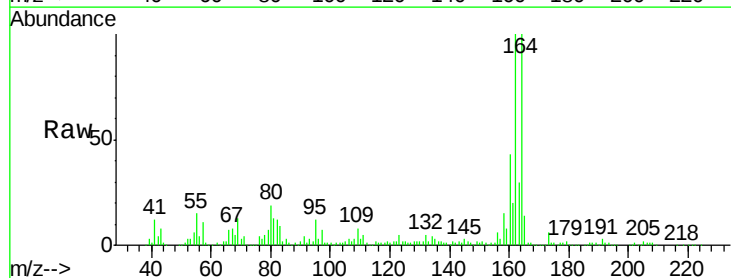
Tgt Ion:164 Resp: 362743

Ion Ratio Lower Upper

164 100

162 99.9 84.9 127.3

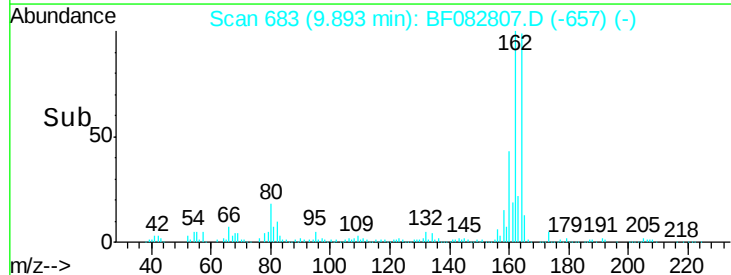
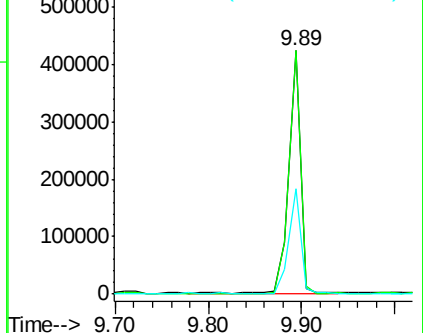
160 43.5 37.5 56.3

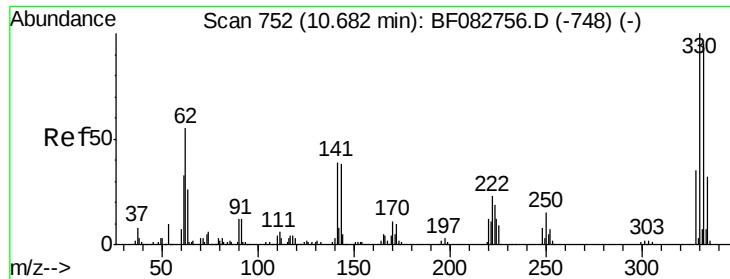


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

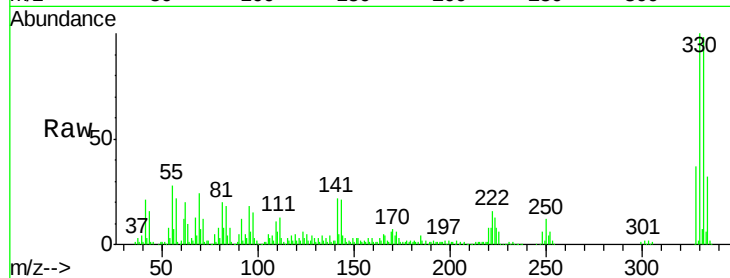




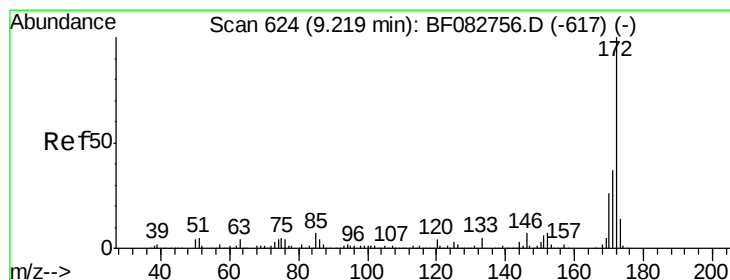
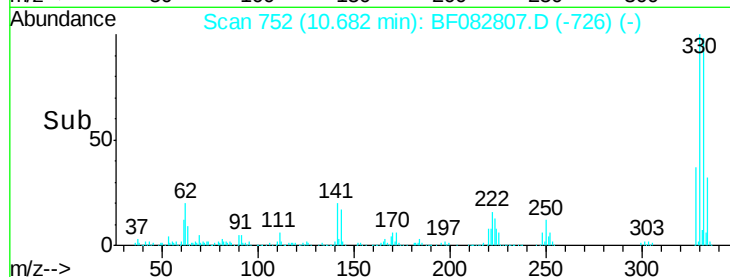
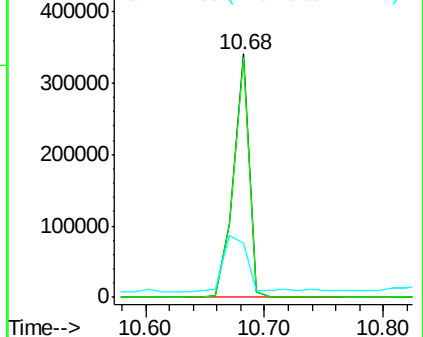
#41  
 2,4,6-Tribromophenol  
 Concen: 75.30 ng  
 RT: 10.68 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: BF082807.D  
 Acq: 7 Nov 2015 13:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WABUT-4(0-2)

Tgt Ion:330 Resp: 313187  
 Ion Ratio Lower Upper  
 330 100  
 332 98.7 76.6 114.8  
 141 34.8 41.2 61.8#

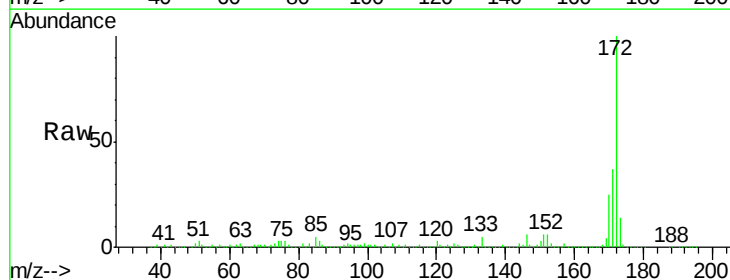


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

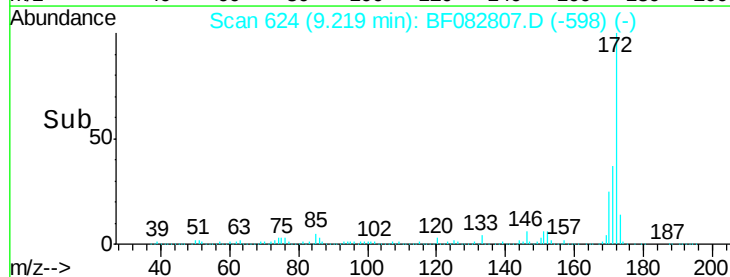
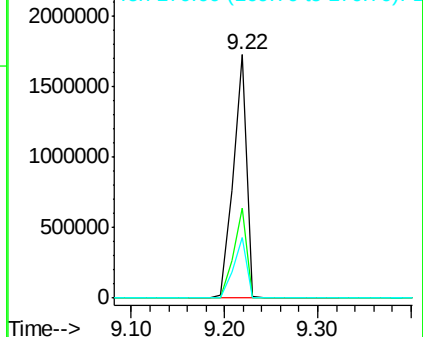


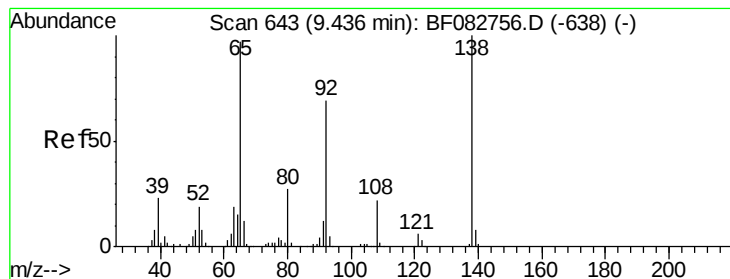
#44  
 2-Fluorobiphenyl  
 Concen: 68.73 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. 0.00 min  
 Lab File: BF082807.D  
 Acq: 7 Nov 2015 13:32

Tgt Ion:172 Resp: 1739526  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 30.8 46.2  
 170 24.9 21.2 31.8



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: 13.23 ng

RT: 9.57 min Scan# 655

Delta R.T. 0.15 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

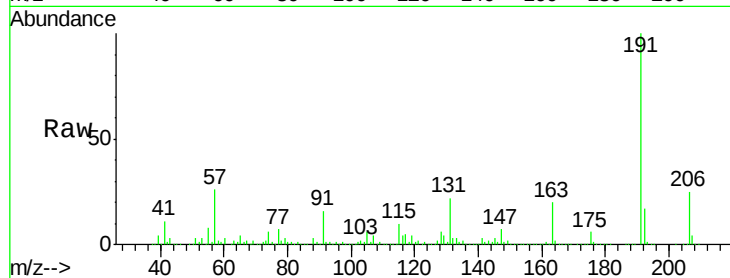
Tgt Ion: 65 Resp: 119119

Ion Ratio Lower Upper

65 100

92 38.4 46.6 70.0#

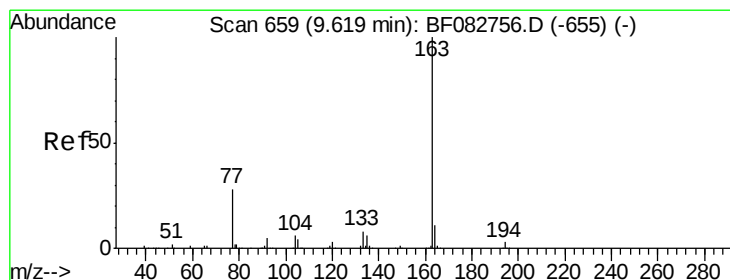
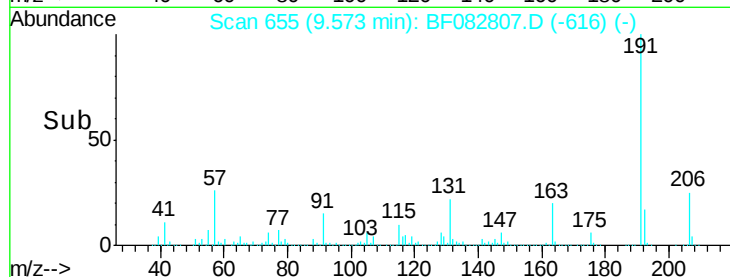
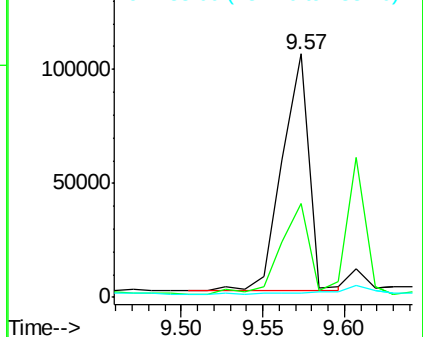
138 1.8 54.6 81.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#49

Dimethylphthalate

Concen: 14.71 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

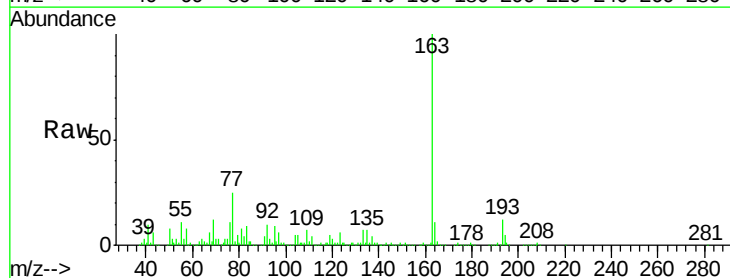
Tgt Ion: 163 Resp: 437134

Ion Ratio Lower Upper

163 100

194 4.8 2.6 4.0#

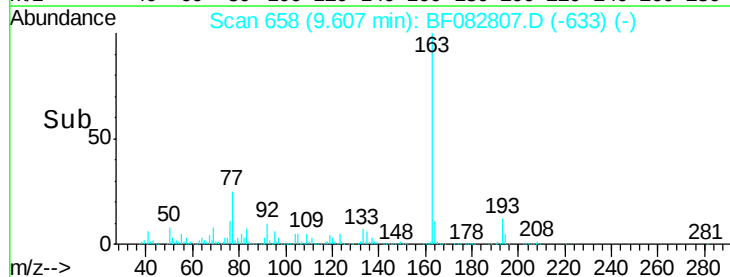
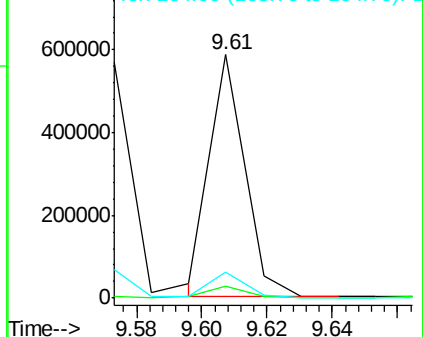
164 10.7 8.7 13.1

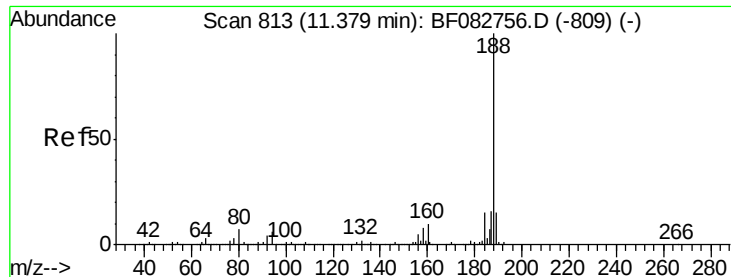


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

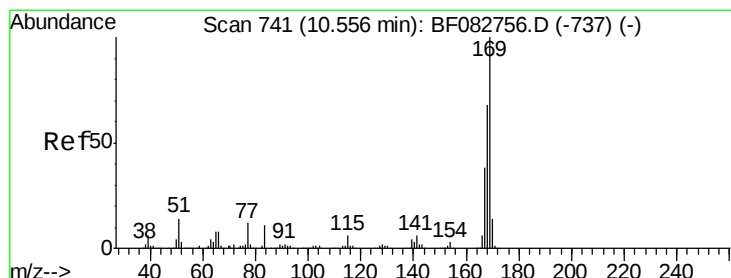
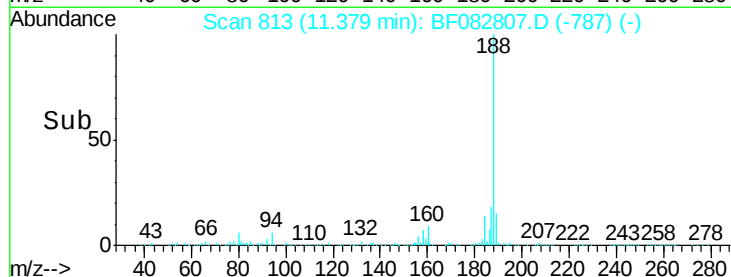
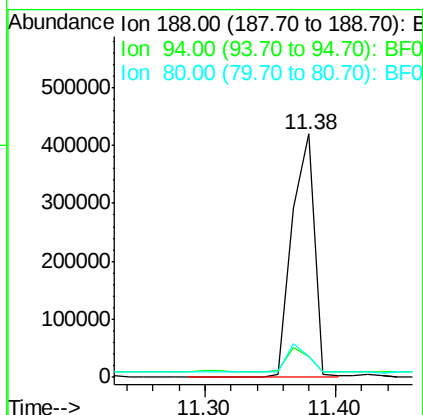
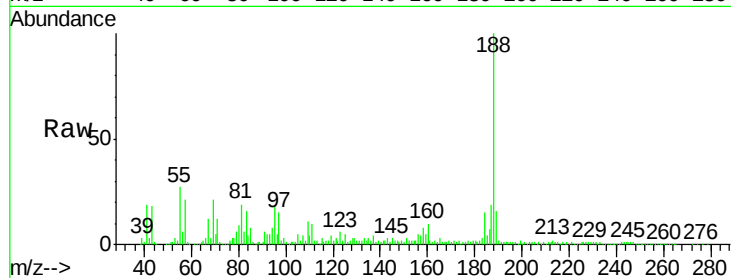




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BF082807.D  
Acq: 7 Nov 2015 13:32

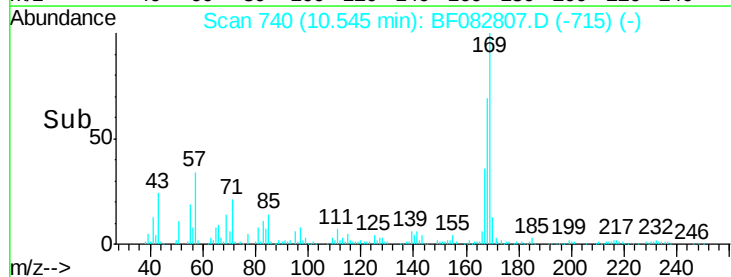
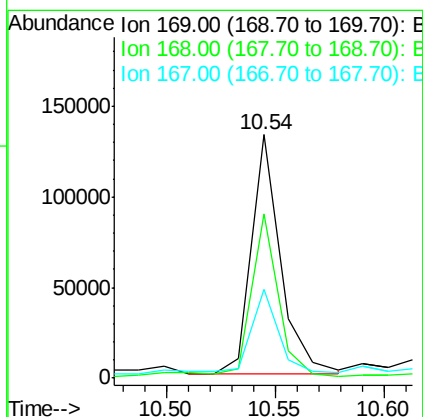
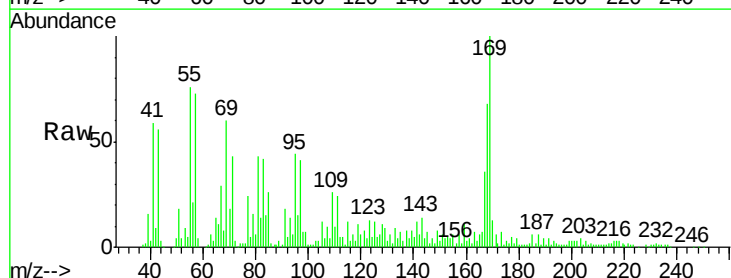
Instrument :  
BNA\_F  
ClientSampleId :  
WABUT-4(0-2)

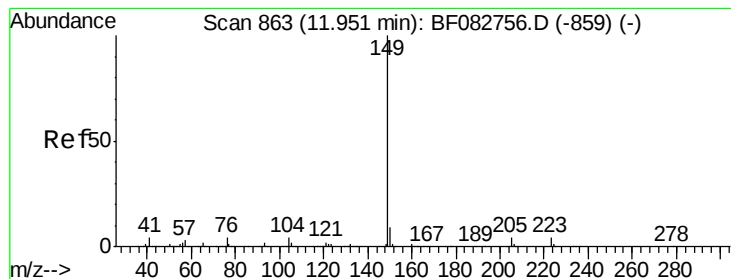
Tgt Ion:188 Resp: 493122  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.1 9.1  
80 8.5 7.0 10.6



#65  
n-Nitrosodiphenylamine  
Concen: 6.88 ng  
RT: 10.54 min Scan# 740  
Delta R.T. -0.01 min  
Lab File: BF082807.D  
Acq: 7 Nov 2015 13:32

Tgt Ion:169 Resp: 122576  
Ion Ratio Lower Upper  
169 100  
168 67.6 55.0 82.6  
167 36.3 30.5 45.7





#73

Di-n-butylphthalate

Concen: 5.91 ng

RT: 11.95 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

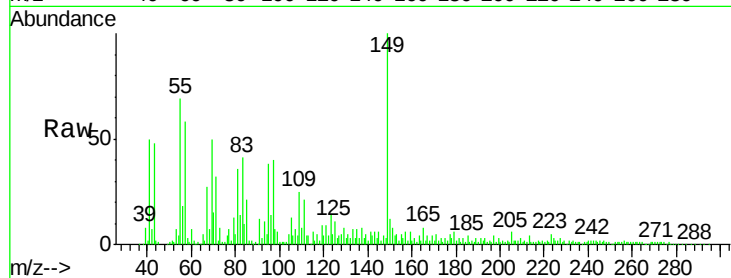
Tgt Ion:149 Resp: 194343

Ion Ratio Lower Upper

149 100

150 11.5 8.1 12.1

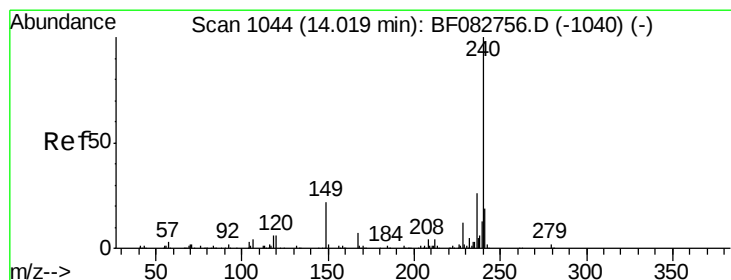
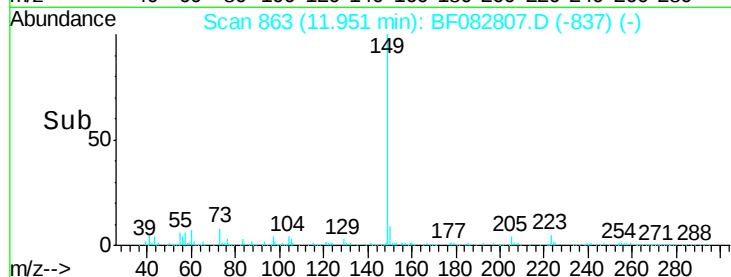
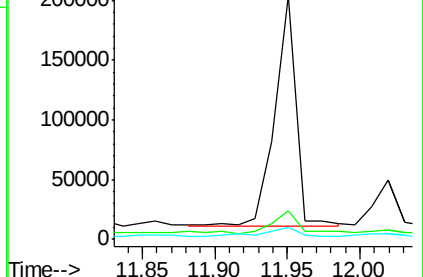
104 5.1 5.2 7.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

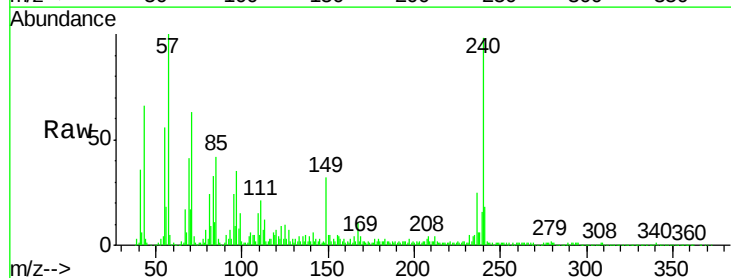
Tgt Ion:240 Resp: 399563

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

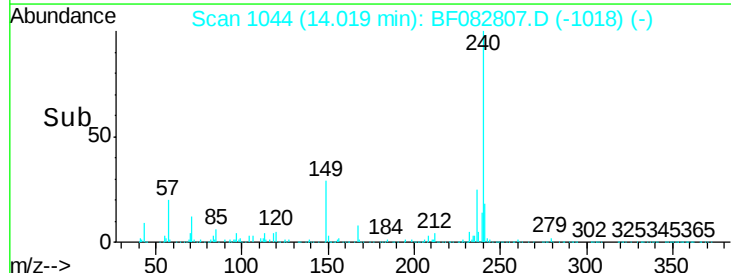
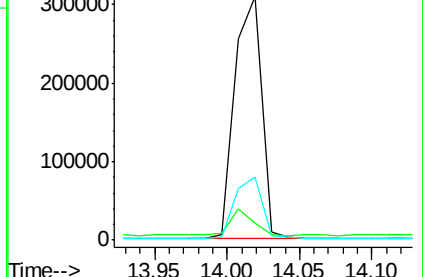
236 25.8 21.6 32.4

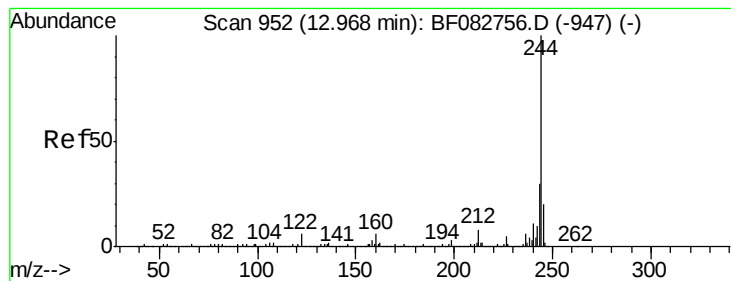


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.82 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

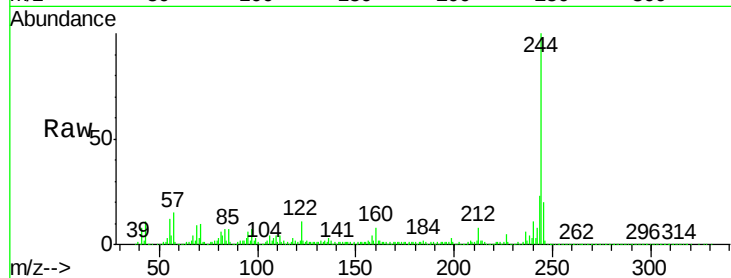
Tgt Ion:244 Resp: 1125641

Ion Ratio Lower Upper

244 100

212 7.9 7.6 11.4

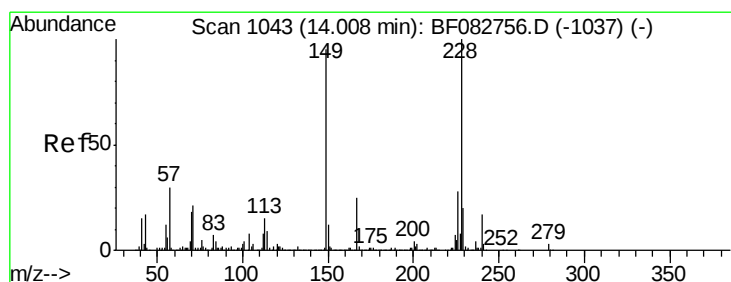
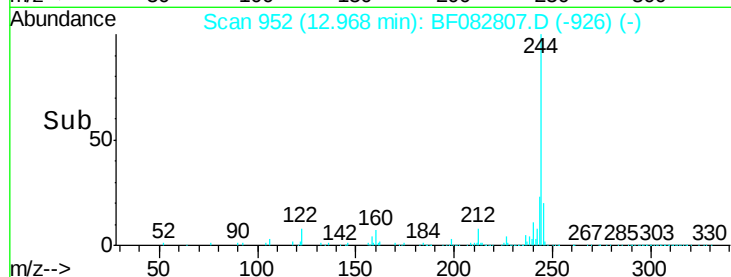
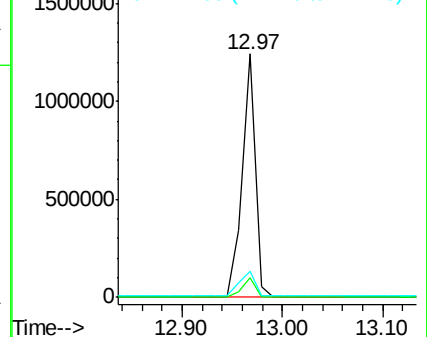
122 10.8 11.3 16.9#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 18.49 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

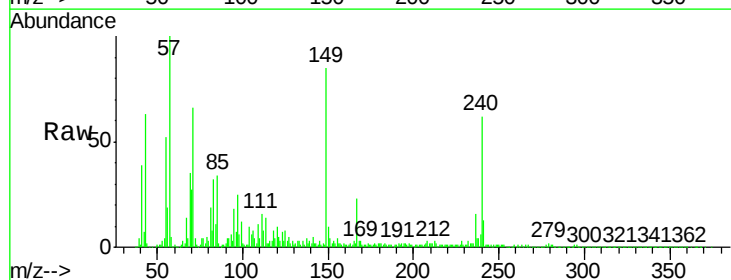
Tgt Ion:149 Resp: 306869

Ion Ratio Lower Upper

149 100

167 26.4 21.2 31.8

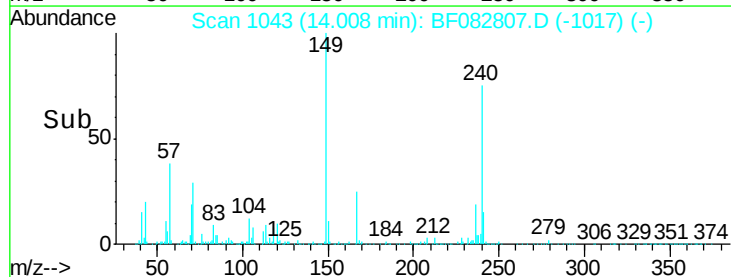
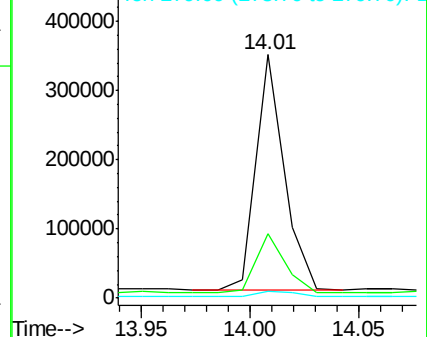
279 2.7 2.2 3.2

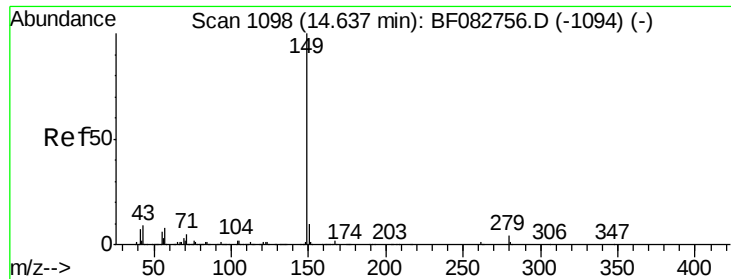


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.28 ng

RT: 14.67 min Scan# 1101

Delta R.T. 0.03 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

Instrument :

BNA\_F

ClientSampleId :

WABUT-4(0-2)

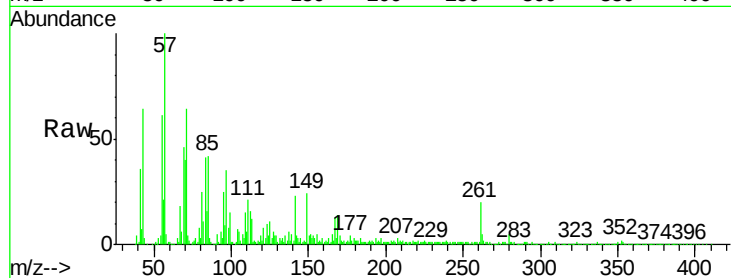
Tgt Ion:149 Resp: 90815

Ion Ratio Lower Upper

149 100

167 54.1 1.3 1.9#

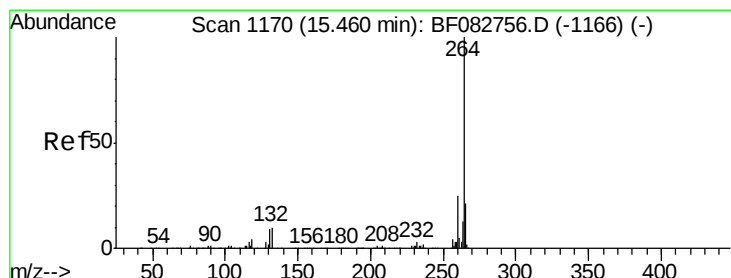
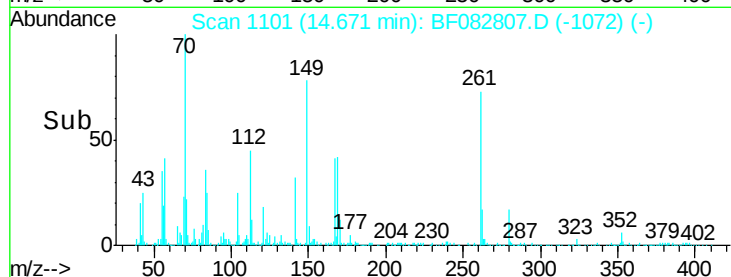
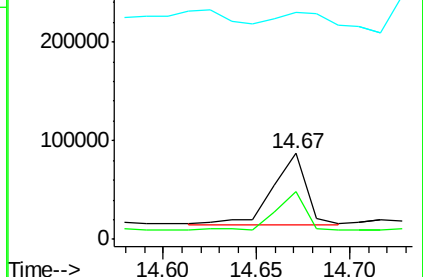
43 51.9 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF082807.D

Acq: 7 Nov 2015 13:32

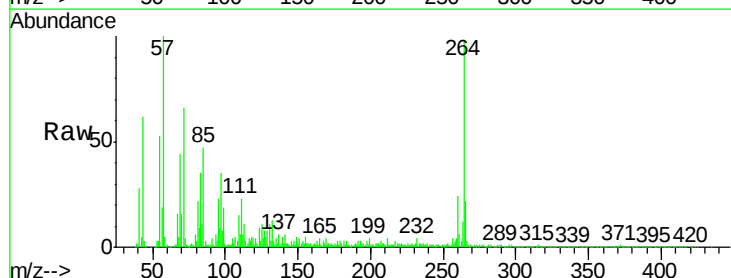
Tgt Ion:264 Resp: 358684

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 22.0 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

