

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062215\  
 Data File : BF080100.D  
 Acq On : 22 Jun 2015 18:07  
 Operator : TP/IZ  
 Sample : G2716-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 23 01:03:53 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 23 00:53:56 2015  
 Response via : Initial Calibration

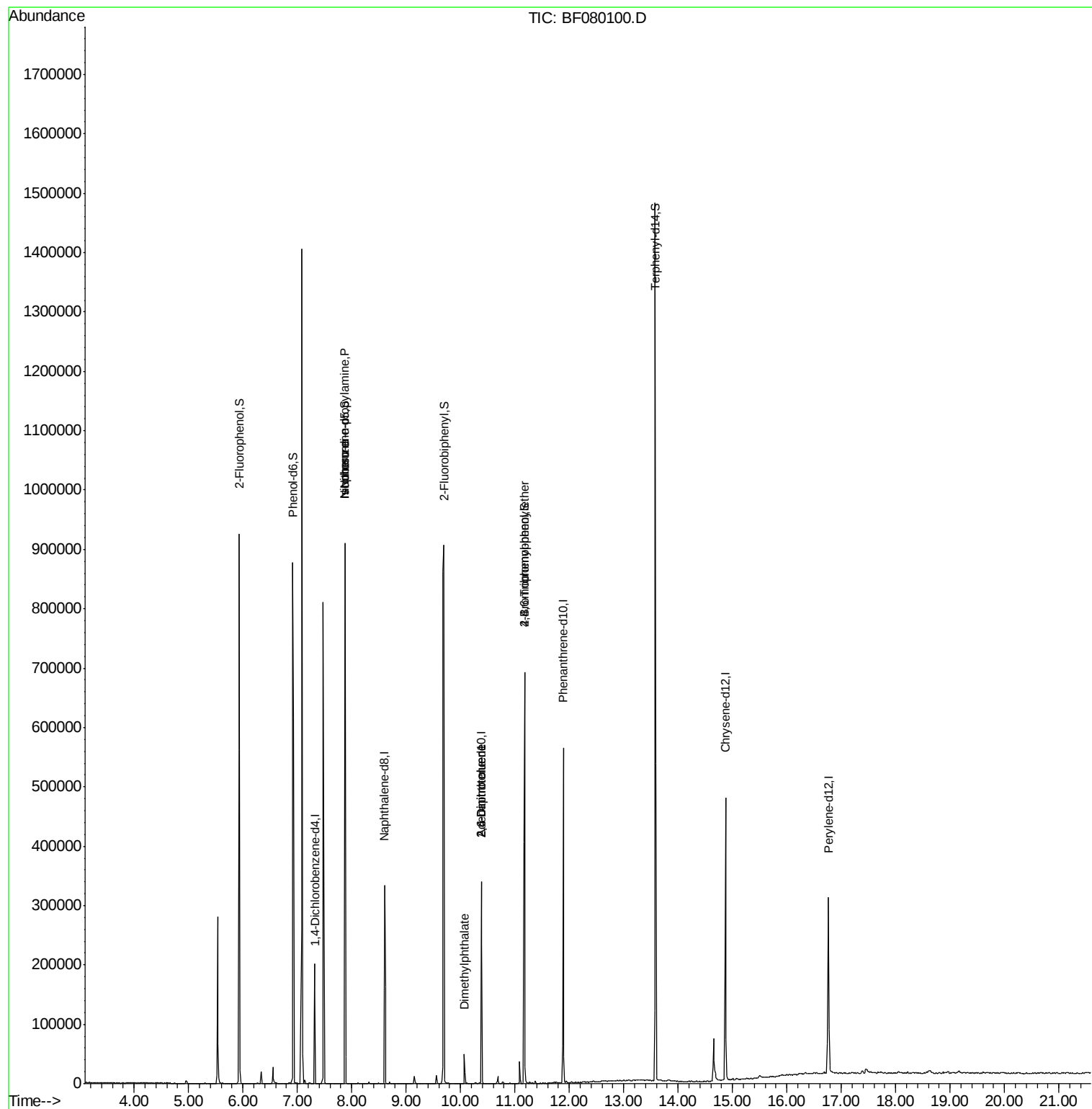
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.33  | 152  | 41587    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.61  | 136  | 168119   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.38 | 164  | 86900    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.89 | 188  | 191784   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 14.87 | 240  | 199454   | 20.00  | ng    | -0.13    |
| 86) Perylene-d12               | 16.77 | 264  | 188939   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.93  | 112  | 303432   | 129.16 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.92  | 99   | 382947   | 122.49 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.88  | 82   | 244879   | 84.80  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.18 | 330  | 100644   | 118.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.69  | 172  | 436159   | 71.58  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.58 | 244  | 523984   | 61.36  | ng    | -0.09    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.88  | 70   | 32760    | 15.09  | ng    | # 59     |
| 25) Isophorone                 | 7.88  | 82   | 244917   | 42.14  | ng    | # 58     |
| 49) Dimethylphthalate          | 10.07 | 163  | 22579    | 3.46   | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 10.38 | 165  | 10883    | 8.31   | ng    | # 37     |
| 56) 2,4-Dinitrotoluene         | 10.38 | 165  | 10885    | 6.55   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 11.18 | 248  | 6557     | 3.22   | ng    | # 1      |

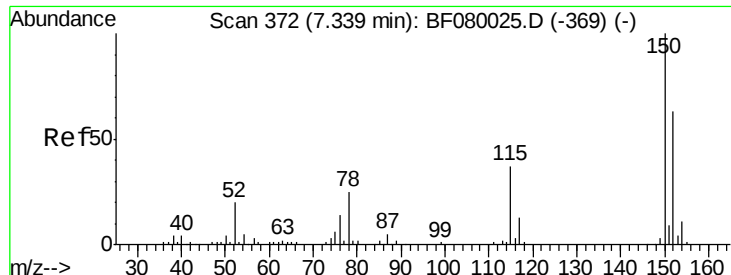
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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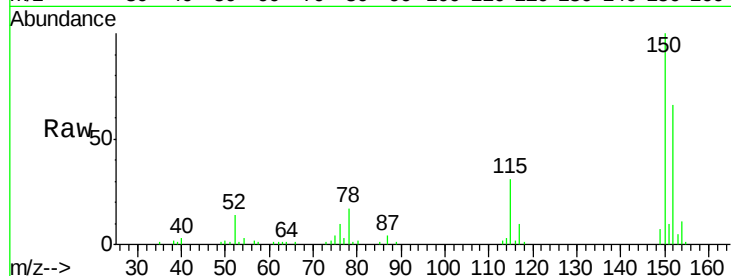




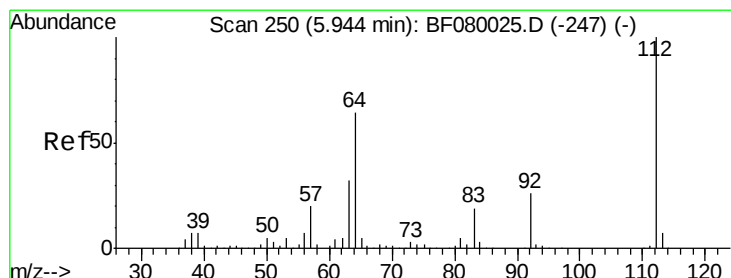
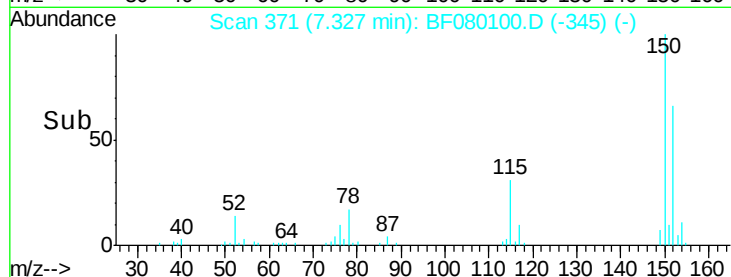
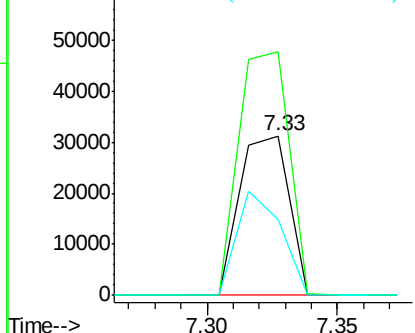
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.33 min Scan# 371  
 Delta R.T. -0.00 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

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

Tgt Ion:152 Resp: 41587  
 Ion Ratio Lower Upper  
 152 100  
 150 152.4 124.7 187.1  
 115 47.4 39.0 58.4

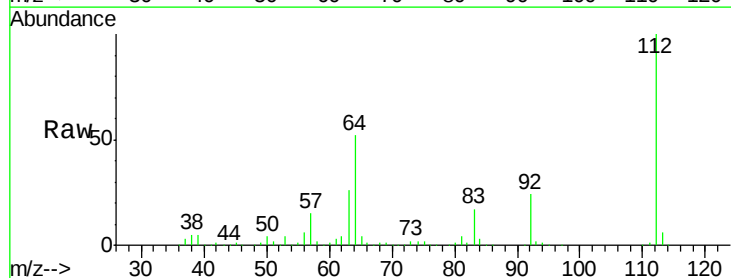


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

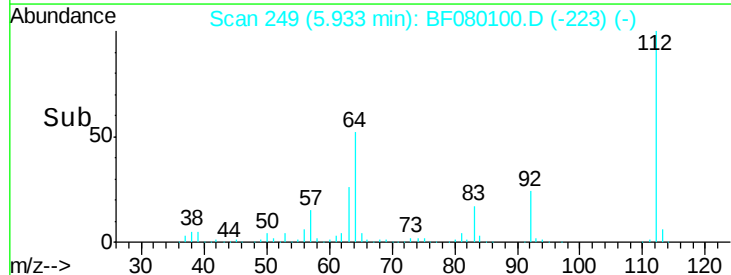
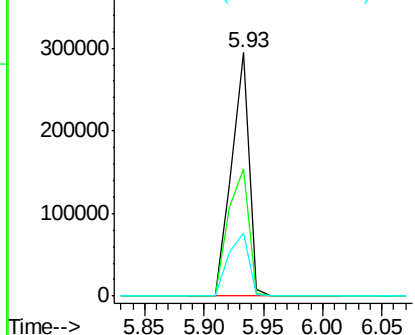


#5  
 2-Fluorophenol  
 Concen: 129.16 ng  
 RT: 5.93 min Scan# 249  
 Delta R.T. -0.00 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

Tgt Ion:112 Resp: 303432  
 Ion Ratio Lower Upper  
 112 100  
 64 52.3 39.7 59.5  
 63 26.0 17.4 26.0



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: 122.49 ng

RT: 6.92 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

Instrument :

BNA\_F

ClientSampleId :

AC-UNDERCUT(0-2)-4

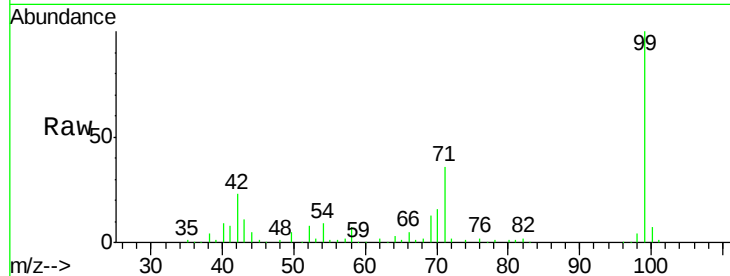
Tgt Ion: 99 Resp: 382947

Ion Ratio Lower Upper

99 100

42 23.0 13.7 20.5#

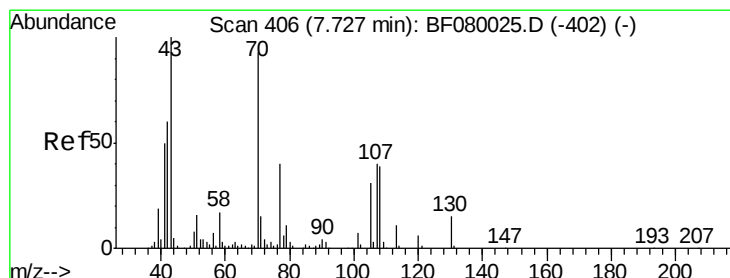
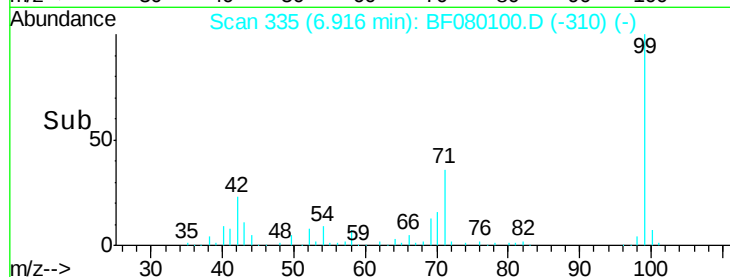
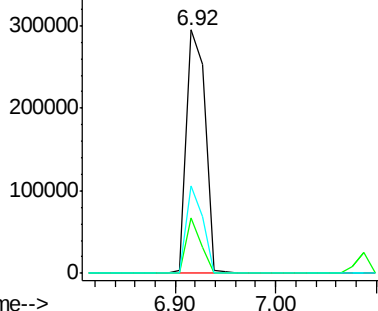
71 35.7 14.2 21.2#



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: 15.09 ng

RT: 7.88 min Scan# 419

Delta R.T. 0.16 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

Tgt Ion: 70 Resp: 32760

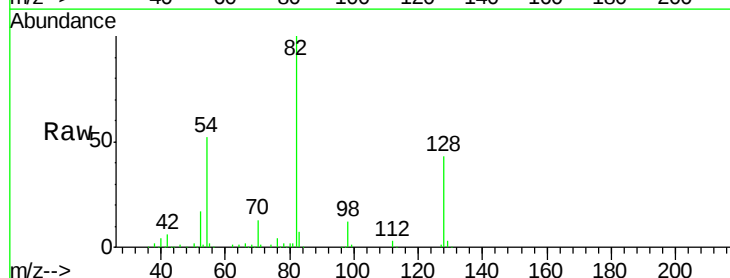
Ion Ratio Lower Upper

70 100

42 47.9 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

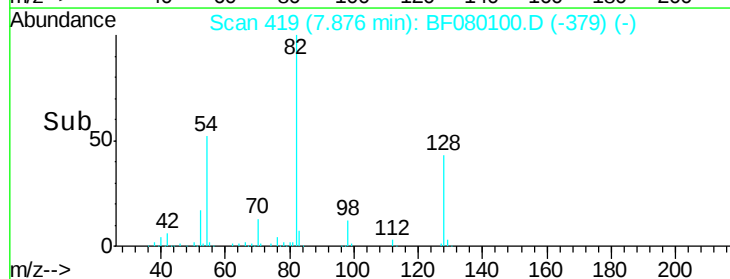
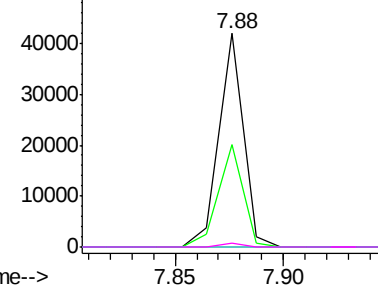


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

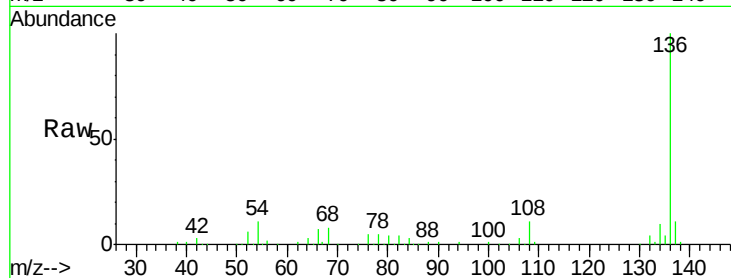




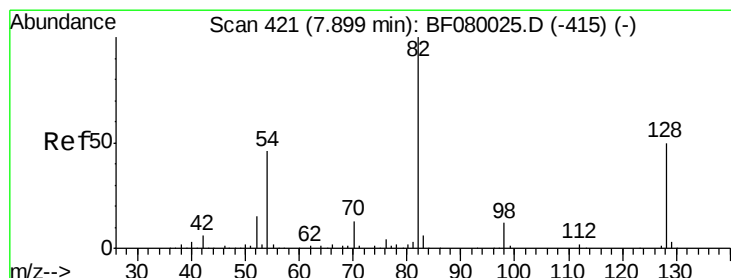
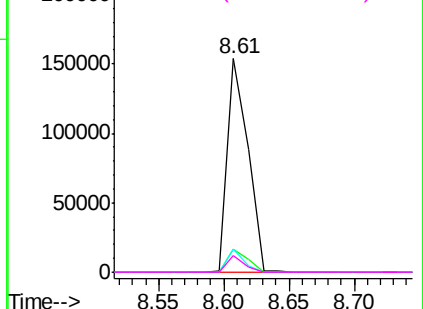
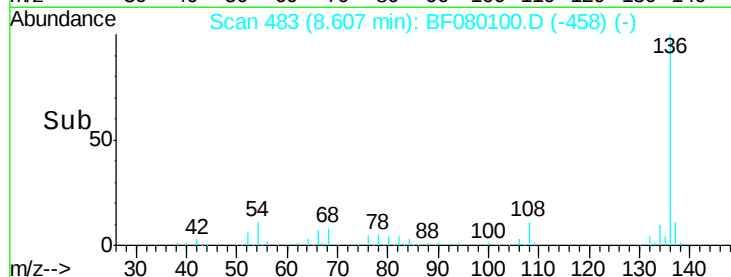
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.61 min Scan# 483  
Delta R.T. -0.01 min  
Lab File: BF080100.D  
Acq: 22 Jun 2015 18:07

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

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 168119 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.0   | 13.6   |
| 54       | 10.6  | 8.2   | 12.2   |
| 68       | 7.6   | 5.8   | 8.6    |

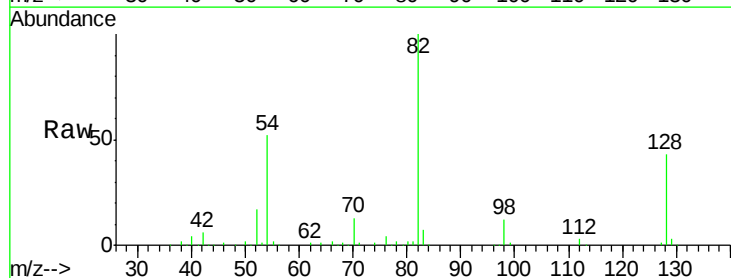


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

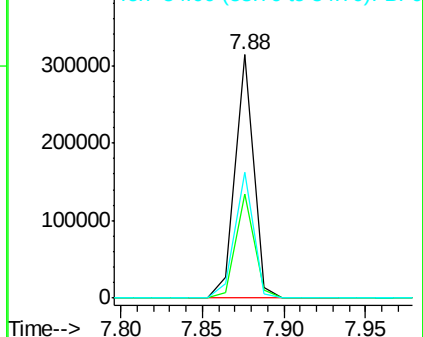
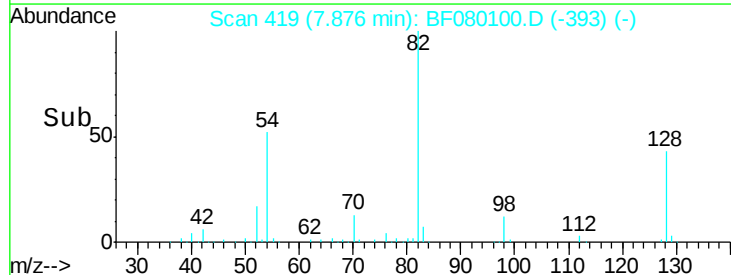


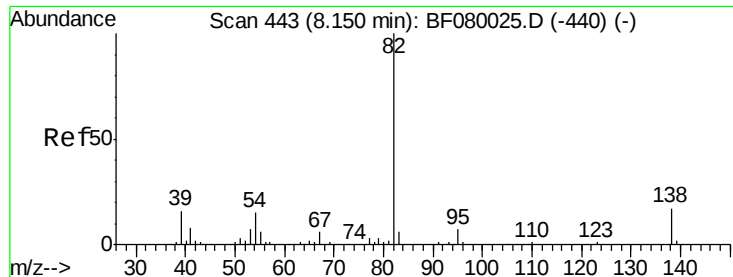
#23  
Nitrobenzene-d5  
Concen: 84.80 ng  
RT: 7.88 min Scan# 419  
Delta R.T. -0.00 min  
Lab File: BF080100.D  
Acq: 22 Jun 2015 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 244879 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.8  | 51.0  | 76.6#  |
| 54       | 51.7  | 47.5  | 71.3   |



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: 42.14 ng

RT: 7.88 min Scan# 419

Delta R.T. -0.26 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

Instrument :

BNA\_F

ClientSampleId :

AC-UNDERCUT(0-2)-4

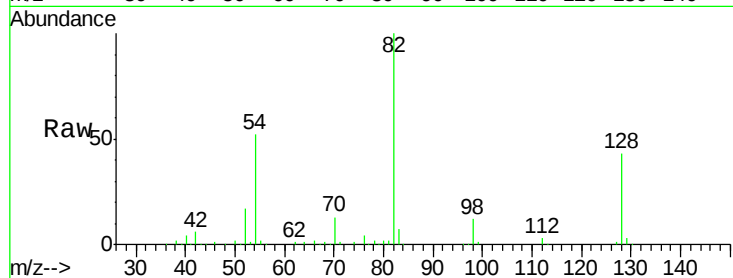
Tgt Ion: 82 Resp: 244917

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

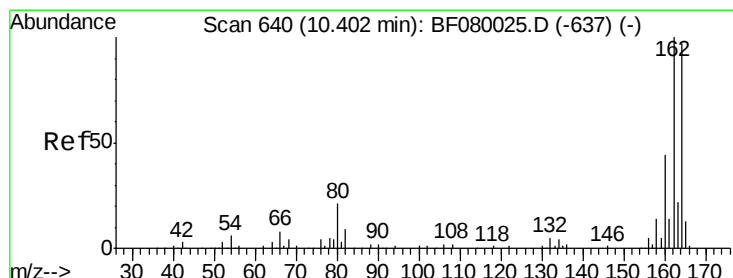
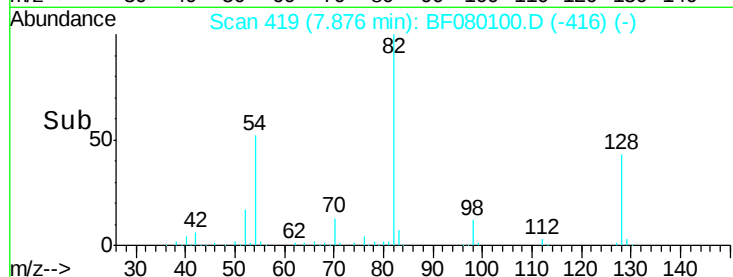
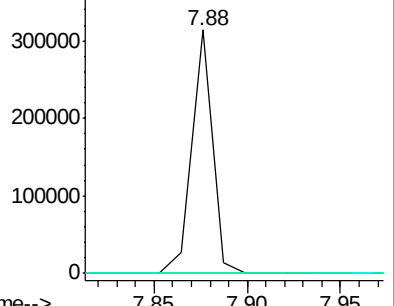
138 0.0 18.3 27.5#



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: 10.38 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

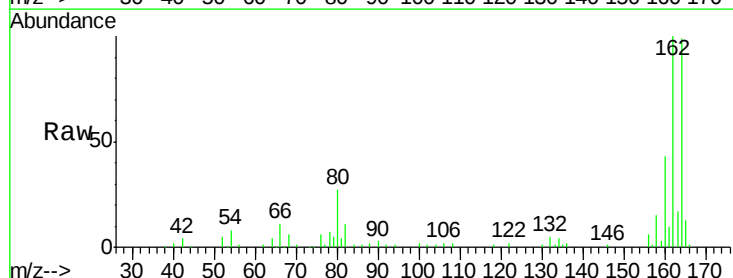
Tgt Ion: 164 Resp: 86900

Ion Ratio Lower Upper

164 100

162 100.8 75.2 112.8

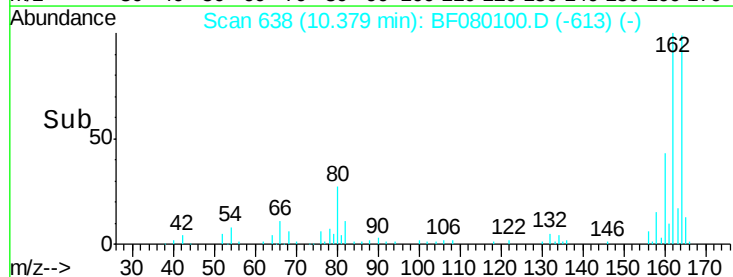
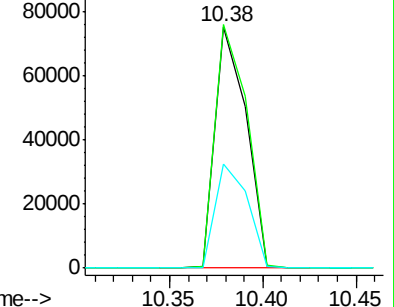
160 42.9 31.5 47.3



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

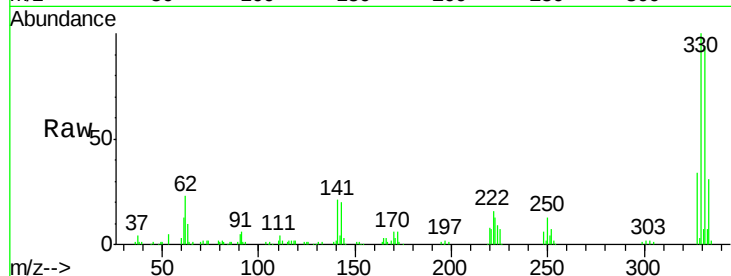




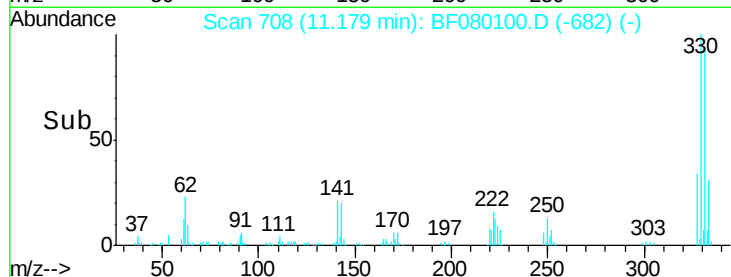
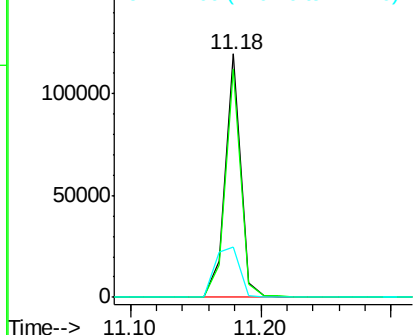
#41  
 2,4,6-Tribromophenol  
 Concen: 118.44 ng  
 RT: 11.18 min Scan# 708  
 Delta R.T. -0.00 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

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

Tgt Ion:330 Resp: 100644  
 Ion Ratio Lower Upper  
 330 100  
 332 93.5 76.6 114.8  
 141 32.9 29.7 44.5

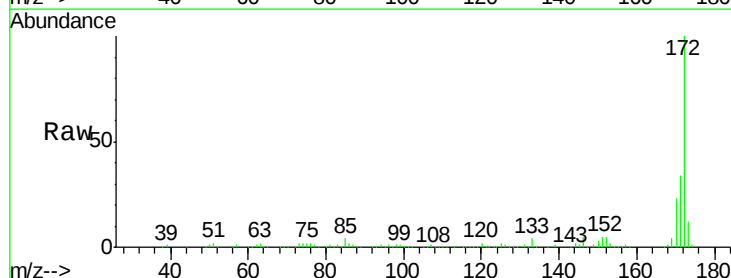


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

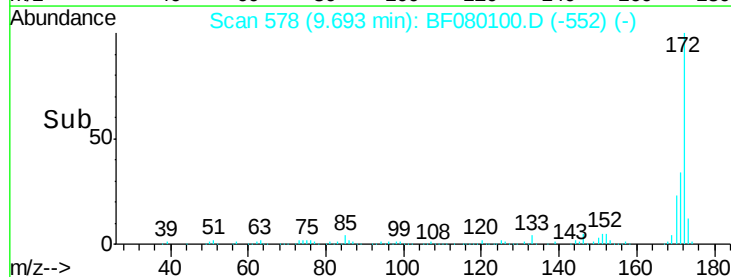
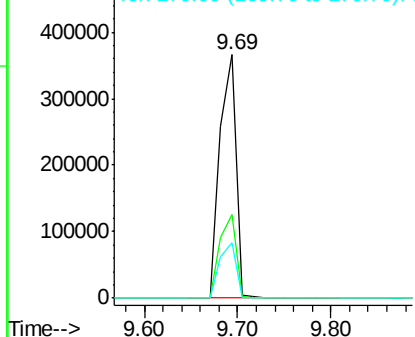


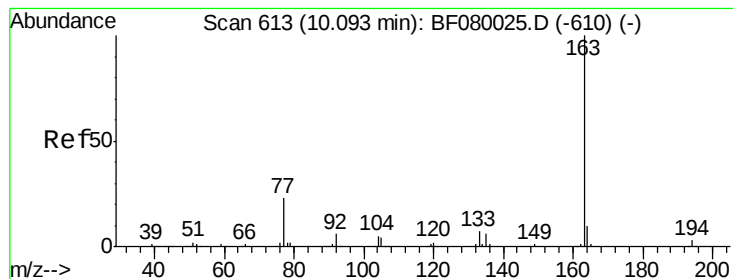
#44  
 2-Fluorobiphenyl  
 Concen: 71.58 ng  
 RT: 9.69 min Scan# 578  
 Delta R.T. -0.00 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

Tgt Ion:172 Resp: 436159  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 26.1 39.1  
 170 23.0 17.4 26.2



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





#49

Dimethylphthalate

Concen: 3.46 ng

RT: 10.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

Instrument :

BNA\_F

ClientSampleId :

AC-UNDERCUT(0-2)-4

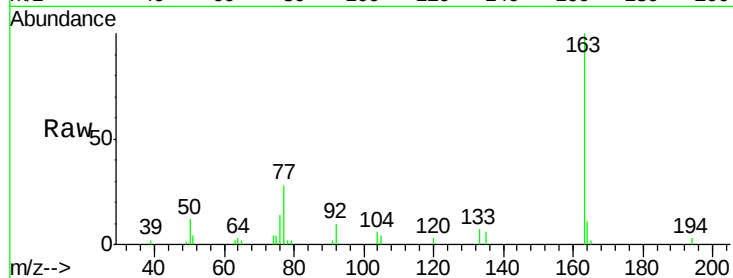
Tgt Ion:163 Resp: 22579

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

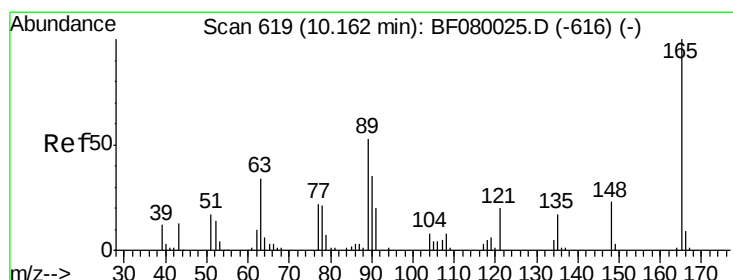
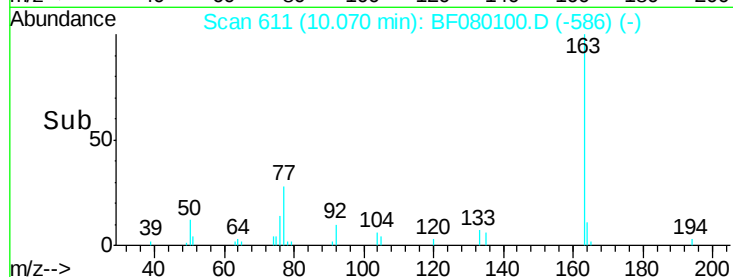
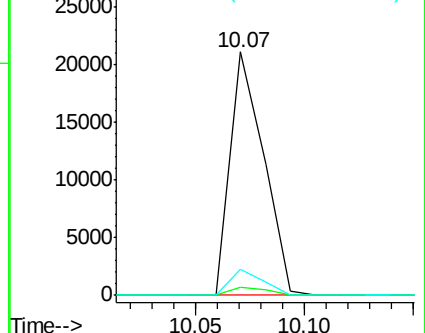
164 10.9 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.31 ng

RT: 10.38 min Scan# 638

Delta R.T. 0.23 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

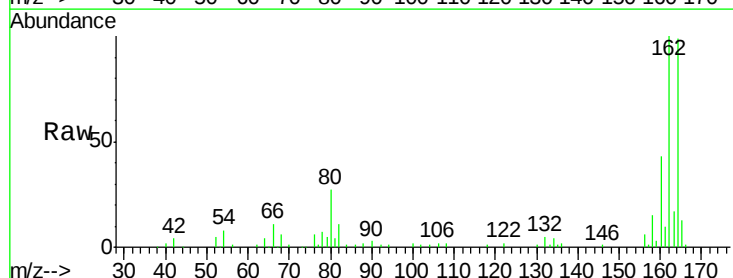
Tgt Ion:165 Resp: 10883

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

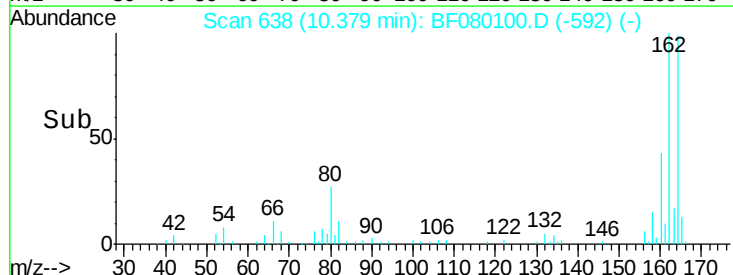
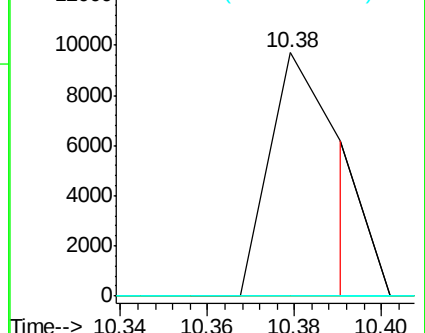
89 0.0 28.6 43.0#

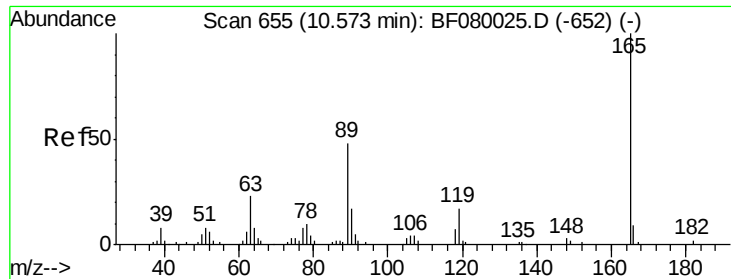


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.55 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.17 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

Instrument :

BNA\_F

ClientSampleId :

AC-UNDERCUT(0-2)-4

Tgt Ion:165 Resp: 10885

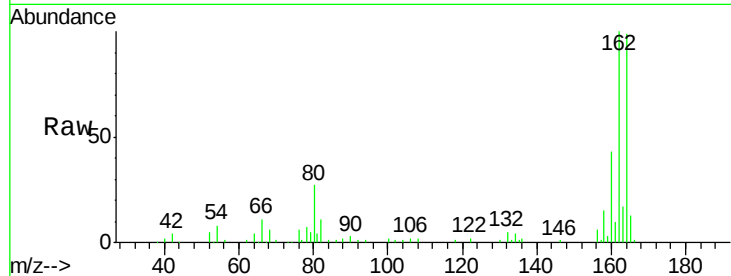
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

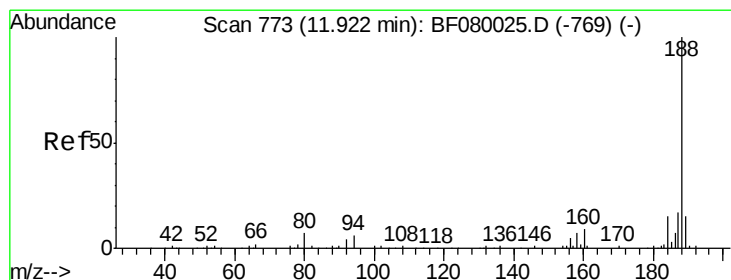
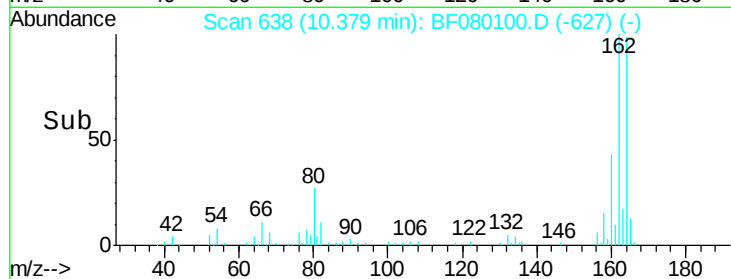
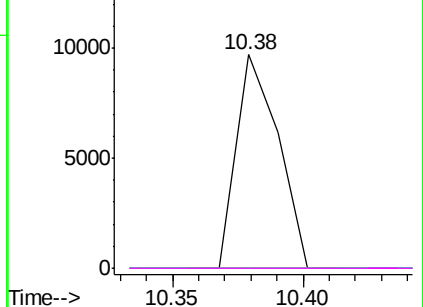


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.89 min Scan# 770

Delta R.T. -0.02 min

Lab File: BF080100.D

Acq: 22 Jun 2015 18:07

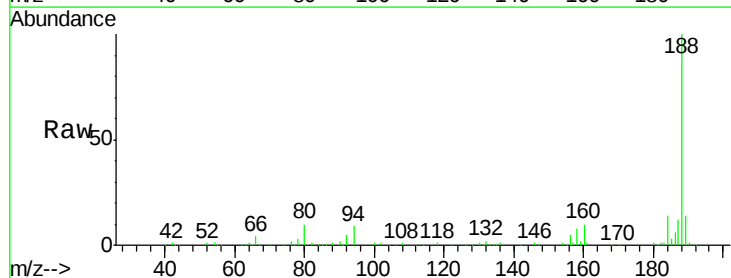
Tgt Ion:188 Resp: 191784

Ion Ratio Lower Upper

188 100

94 9.2 11.1 16.7#

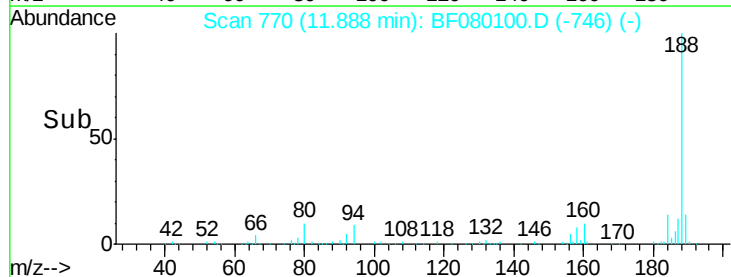
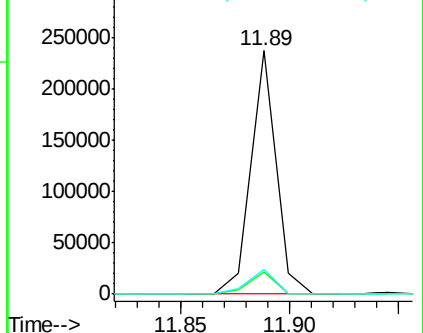
80 10.0 11.0 16.4#

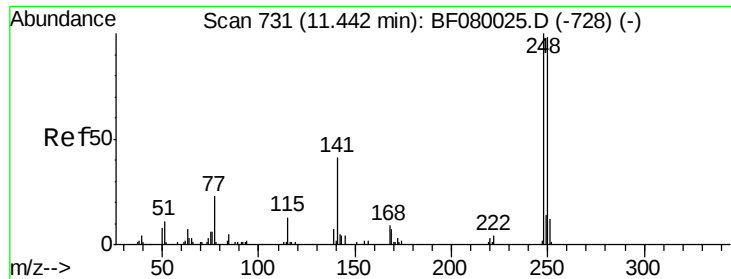


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

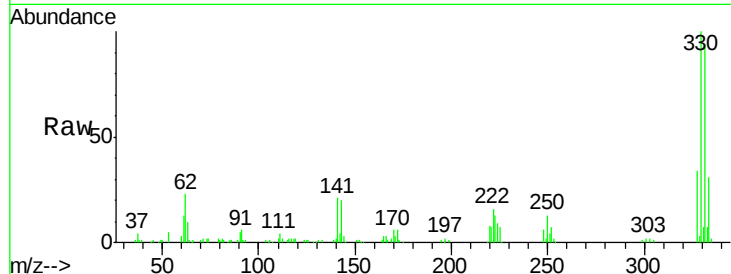




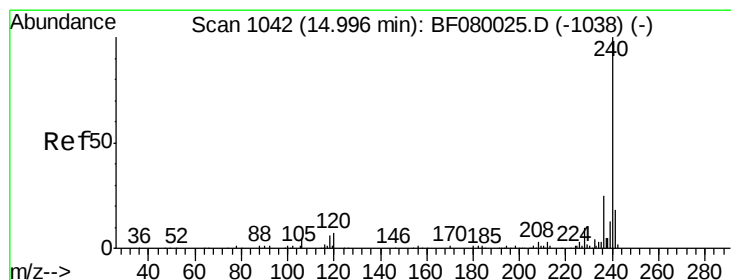
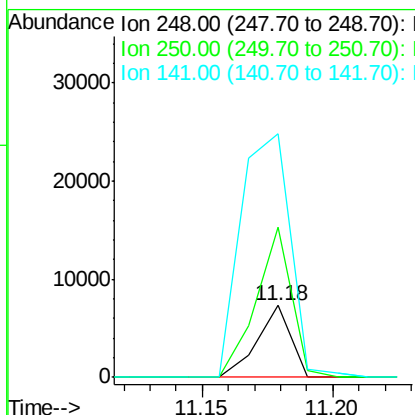
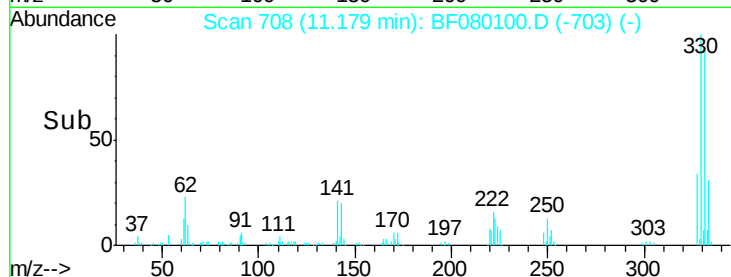
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.22 ng  
 RT: 11.18 min Scan# 708  
 Delta R.T. -0.24 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

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

Tgt Ion:248 Resp: 6557  
 Ion Ratio Lower Upper  
 248 100  
 250 208.7 78.5 117.7#  
 141 338.1 59.0 88.6#

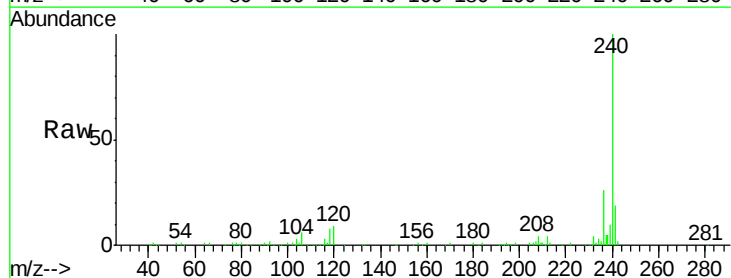


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

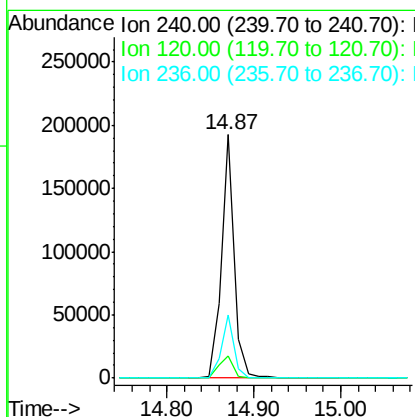
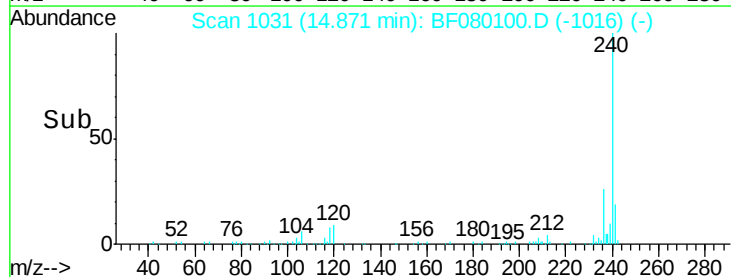


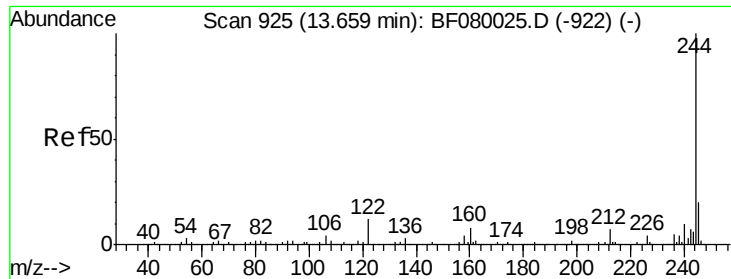
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.87 min Scan# 1031  
 Delta R.T. -0.13 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

Tgt Ion:240 Resp: 199454  
 Ion Ratio Lower Upper  
 240 100  
 120 9.3 16.2 24.2#  
 236 25.7 18.4 27.6



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

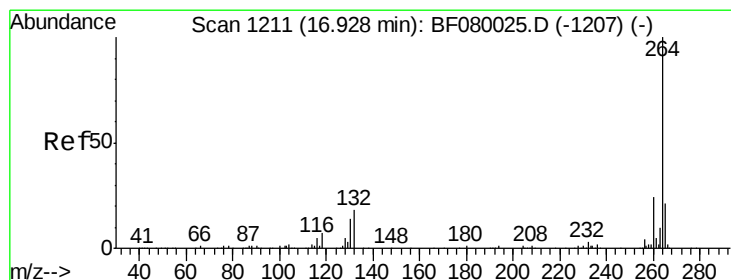
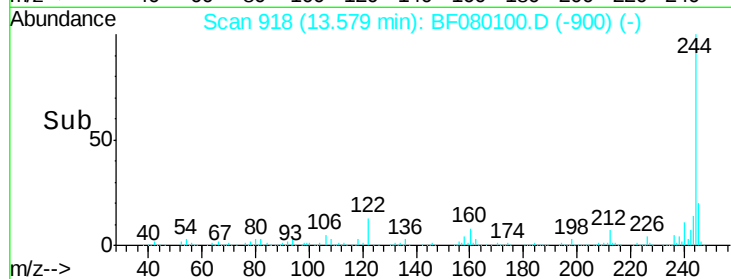
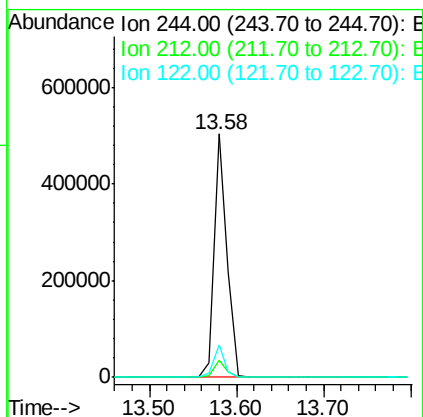
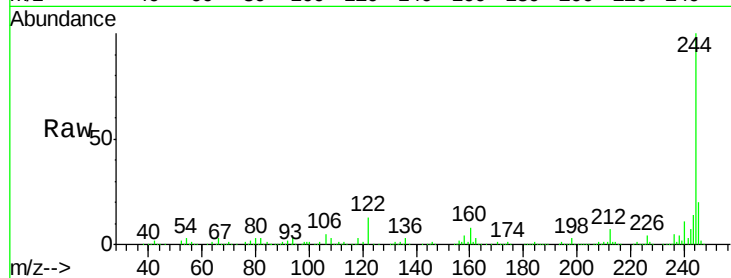




#78  
 Terphenyl-d14  
 Concen: 61.36 ng  
 RT: 13.58 min Scan# 918  
 Delta R.T. -0.09 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

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

Tgt Ion:244 Resp: 523984  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 4.3 6.5#  
 122 13.1 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.77 min Scan# 1197  
 Delta R.T. -0.16 min  
 Lab File: BF080100.D  
 Acq: 22 Jun 2015 18:07

Tgt Ion:264 Resp: 188939  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 16.7 25.1  
 265 21.0 17.2 25.8

