

Data File : BF100655.D  
Acq On : 17 Nov 2017 3:13  
Operator : SJ/JU  
Sample : I6490-08  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
111417-TIDO-E-U-S

Quant Time: Nov 17 05:52:37 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 16 12:15:03 2017  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 97023    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 353636   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 146497   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 229782   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.04 | 240  | 208131   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.52 | 264  | 215671   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 227762   | 37.63  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.50  | 99   | 167230   | 22.41  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 524988   | 98.15  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 110740   | 74.18  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 962547   | 100.05 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 654469   | 72.25  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 67327    | 13.01  | ng    | # 81     |
| 25) Isophorone                 | 7.45  | 82   | 524833   | 46.69  | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.24  | 65   | 1310     | 3.24   | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165  | 18414    | 8.32   | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 18414    | 6.59   | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 6869     | 2.79   | ng    | # 1      |

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

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ClientSampleId :

111417-TIDO-E-U-S

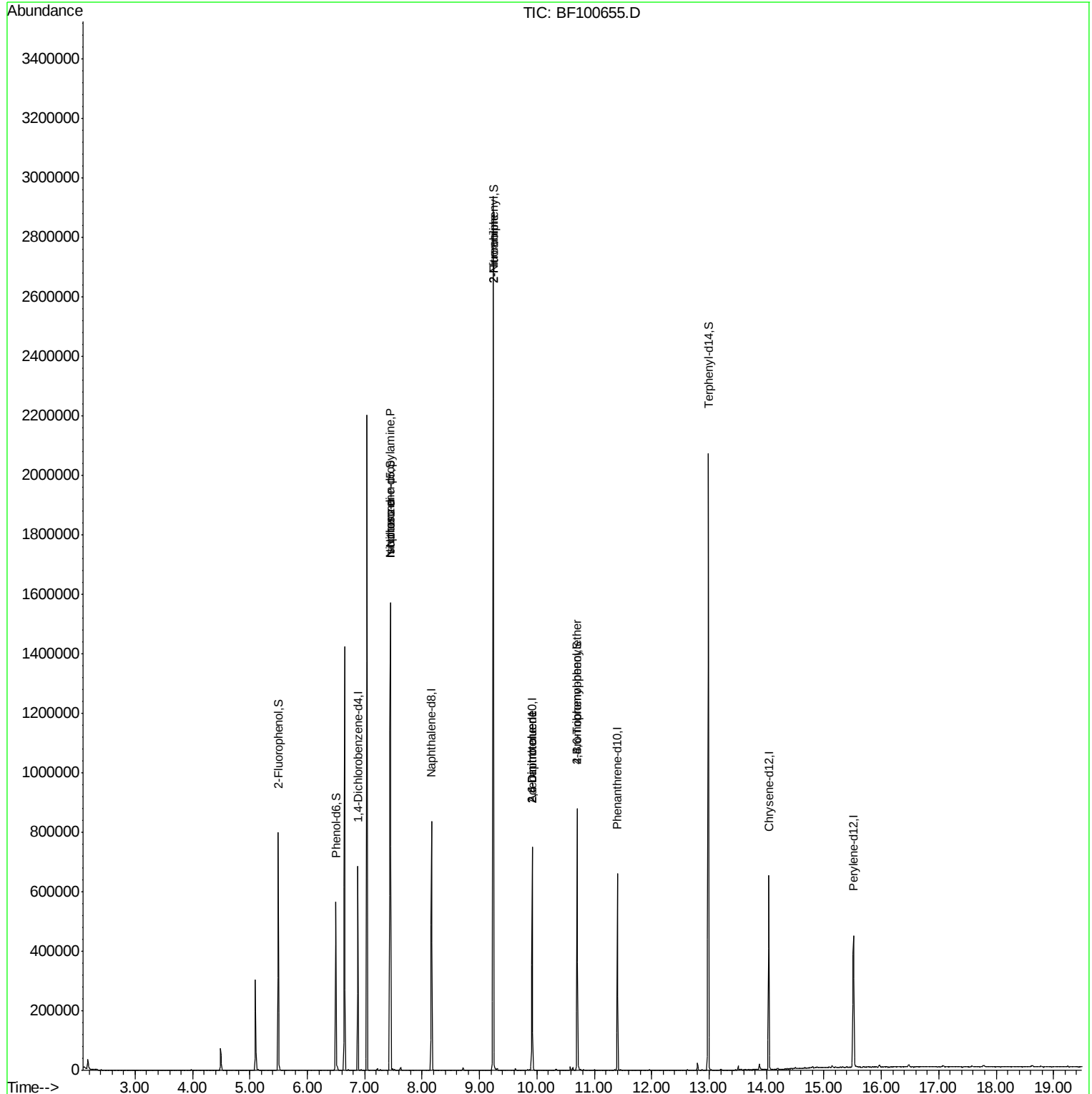
Quant Time: Nov 17 05:52:37 2017

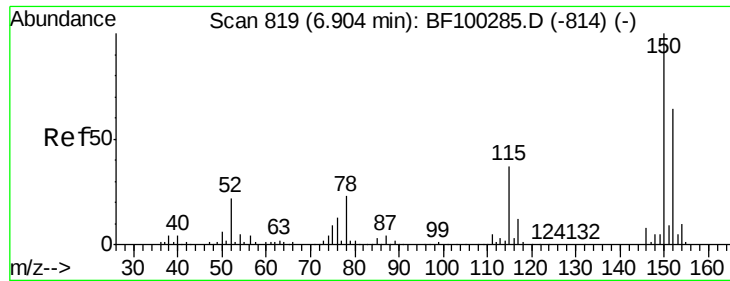
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 16 12:15:03 2017

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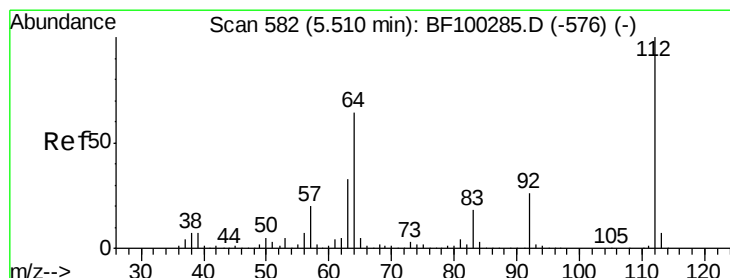
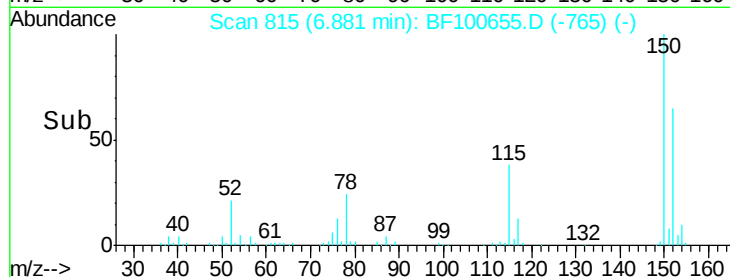
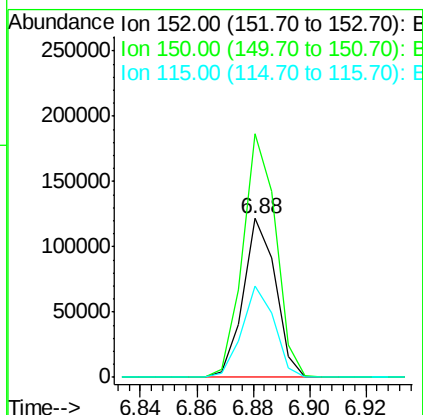
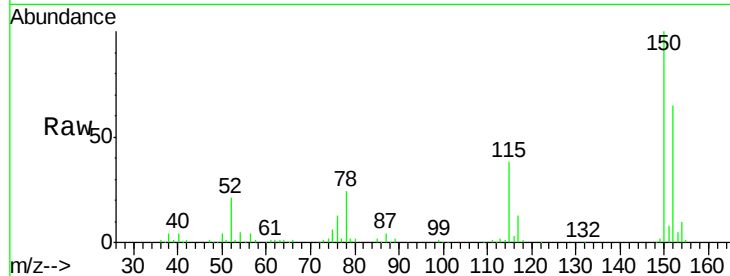


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Instrument :  
BNA\_F  
ClientSampleId :  
111417-TIDO-E-U-S

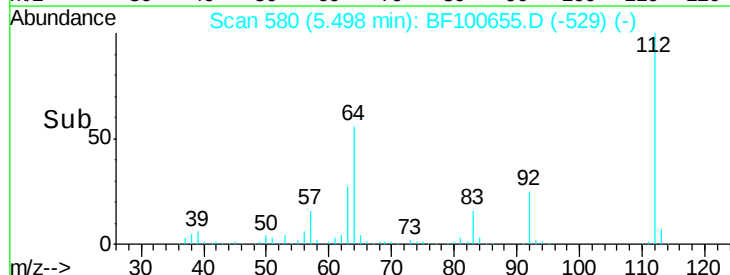
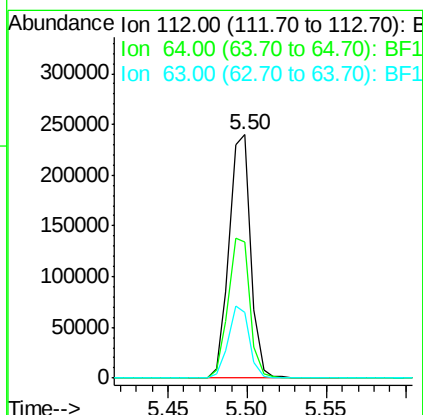
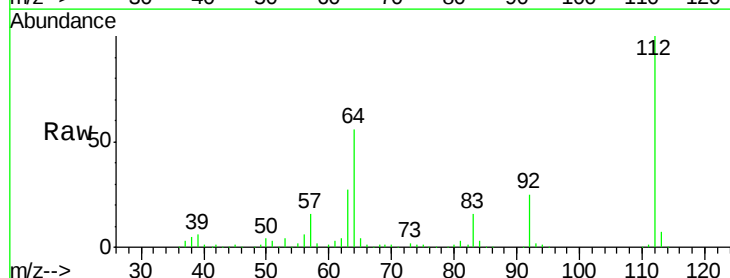
Tgt Ion:152 Resp: 97023  
Ion Ratio Lower Upper  
152 100  
150 153.2 124.6 186.8  
115 57.7 50.1 75.1

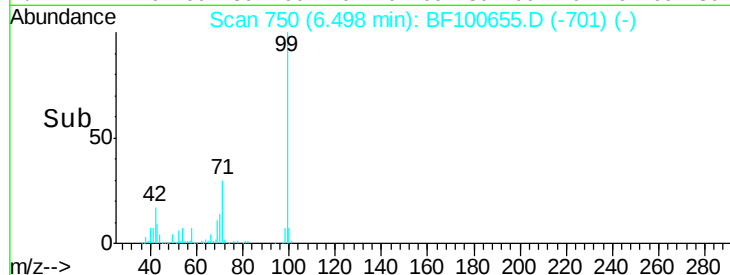
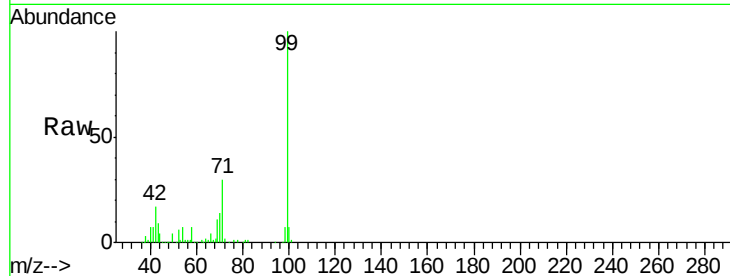


#5

2-Fluorophenol  
Concen: 37.63 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.00 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Tgt Ion:112 Resp: 227762  
Ion Ratio Lower Upper  
112 100  
64 55.8 47.9 71.9  
63 26.9 23.7 35.5





#7

Phenol-d6

Concen: 22.41 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100655.D

Acq: 17 Nov 2017 3:13

Instrument :

BNA\_F

ClientSampleId :

111417-TIDO-E-U-S

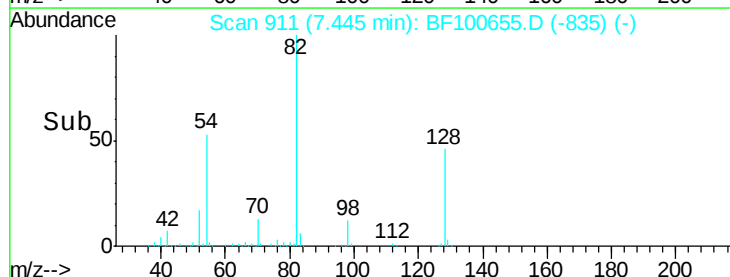
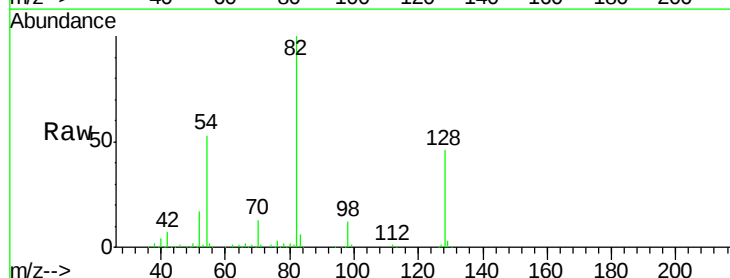
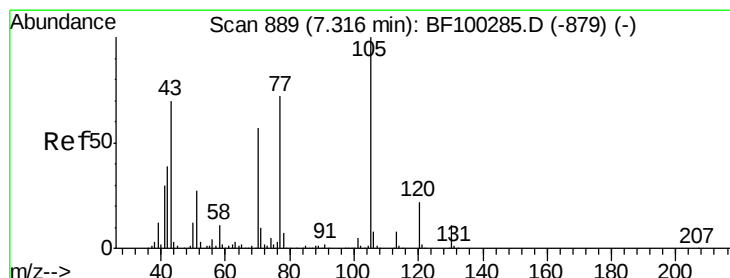
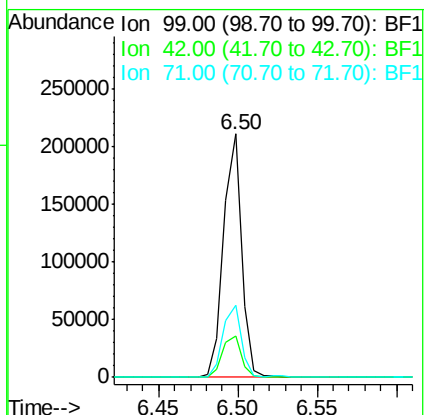
Tgt Ion: 99 Resp: 167230

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

71 29.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.01 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100655.D

Acq: 17 Nov 2017 3:13

Tgt Ion: 70 Resp: 67327

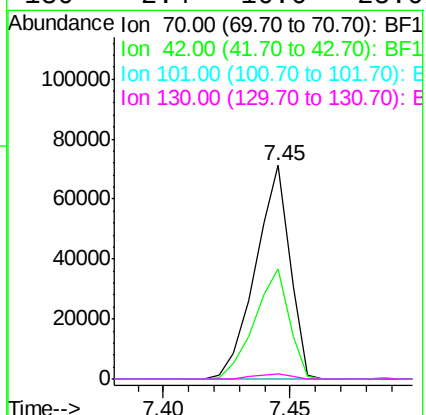
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

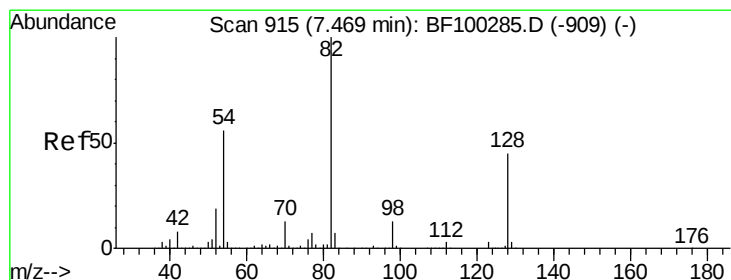
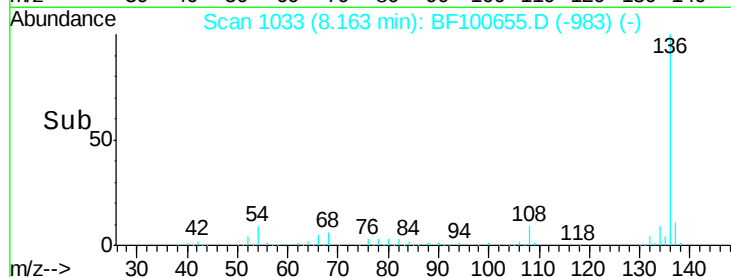
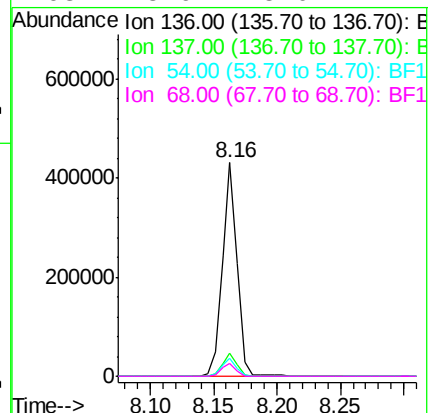
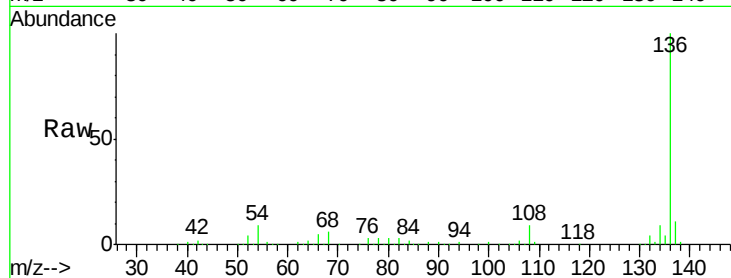




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

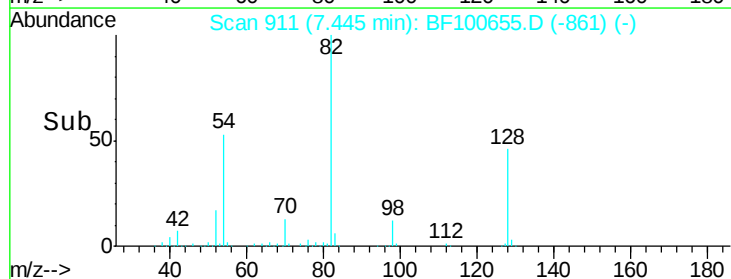
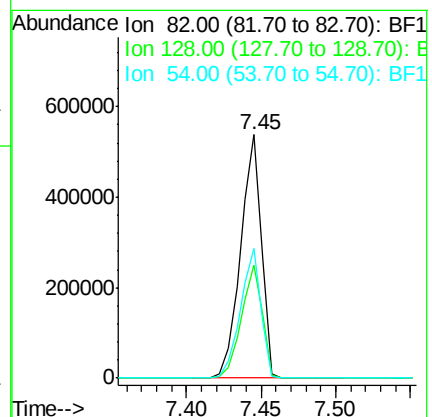
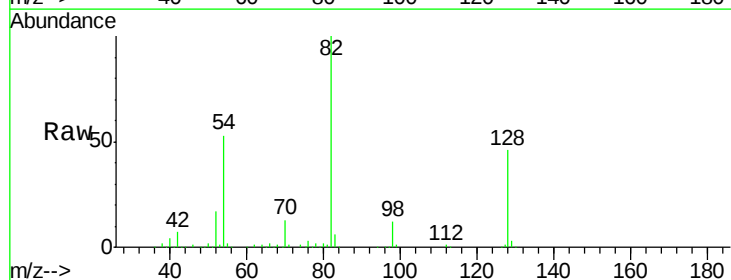
Instrument :  
BNA\_F  
ClientSampleId :  
111417-TIDO-E-U-S

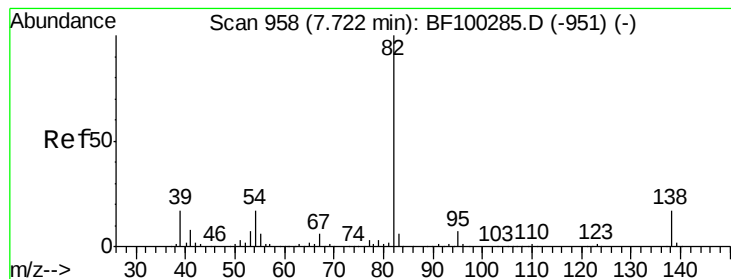
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 353636 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.9   | 13.3   |
| 54        | 8.5   | 6.6   | 9.8    |
| 68        | 5.9   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 98.15 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 524988 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.3  | 36.1  | 54.1   |
| 54        | 53.4  | 41.4  | 62.2   |





#25

Isophorone

Concen: 46.69 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100655.D

Acq: 17 Nov 2017 3:13

Instrument :

BNA\_F

ClientSampleId :

111417-TIDO-E-U-S

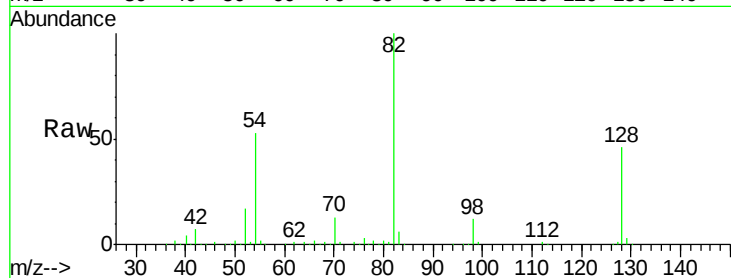
Tgt Ion: 82 Resp: 524833

Ion Ratio Lower Upper

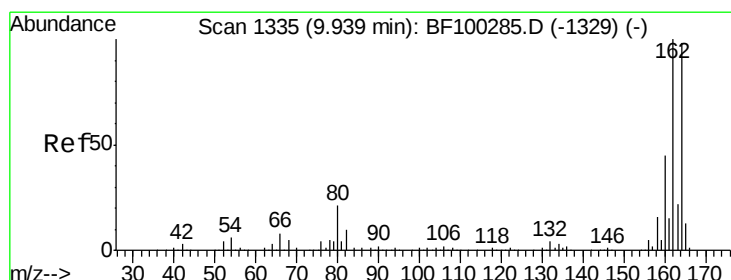
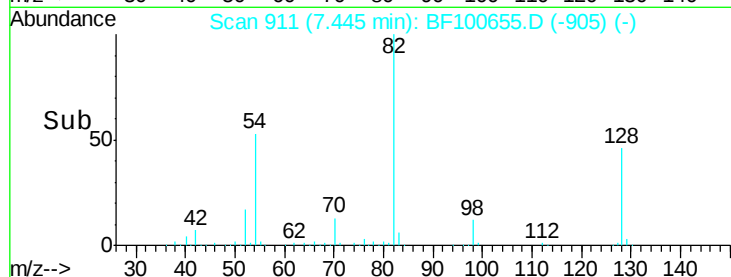
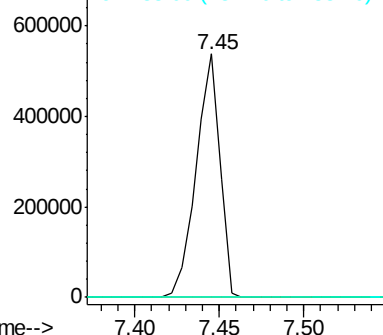
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100655.D

Acq: 17 Nov 2017 3:13

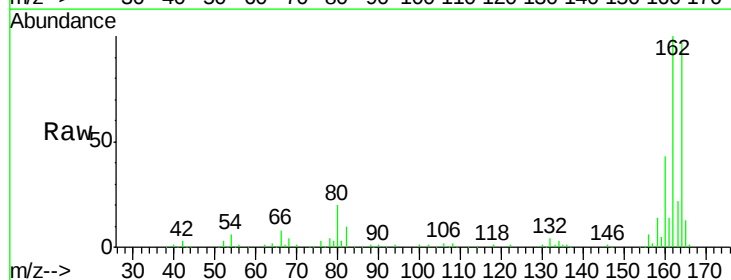
Tgt Ion: 164 Resp: 146497

Ion Ratio Lower Upper

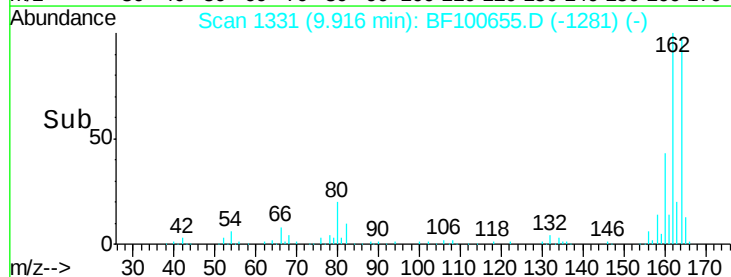
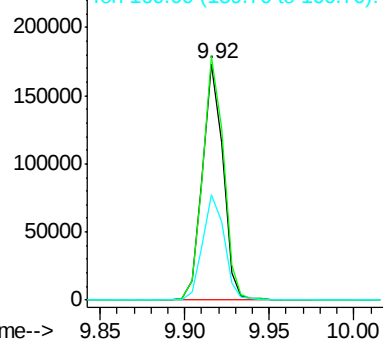
164 100

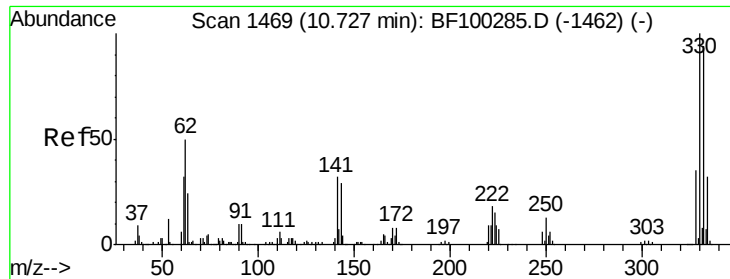
162 103.1 86.1 129.1

160 44.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

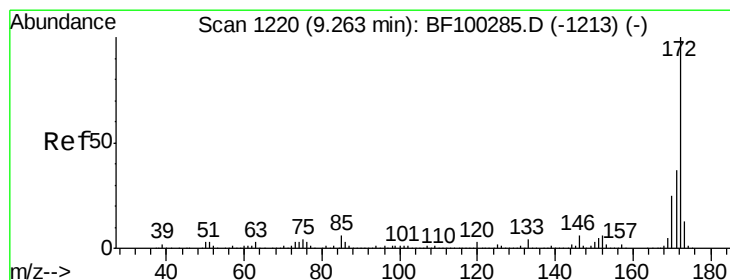
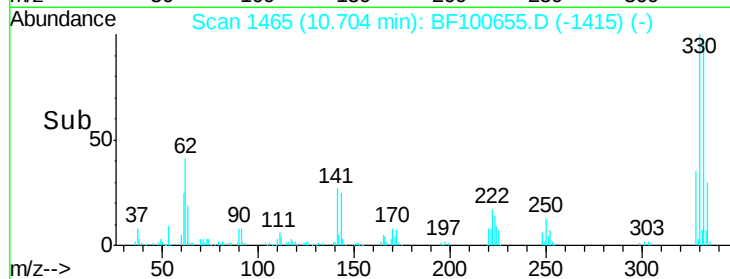
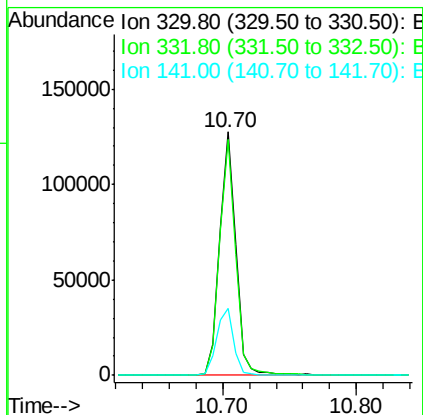
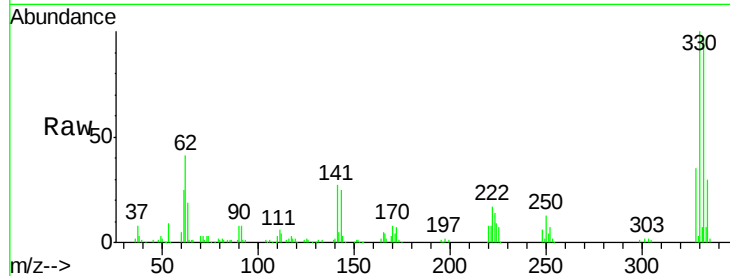




#41  
 2,4,6-Tribromophenol  
 Concen: 74.18 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

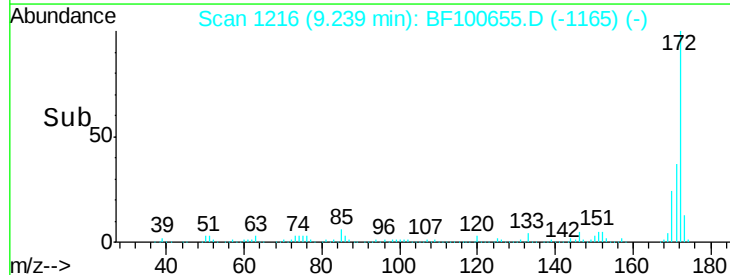
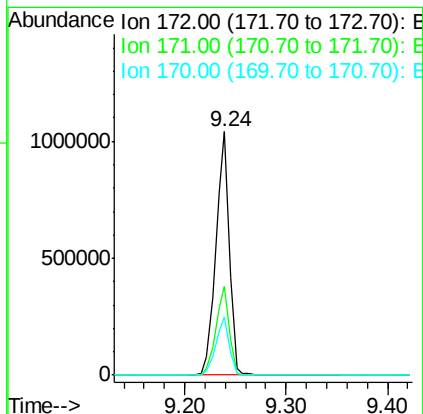
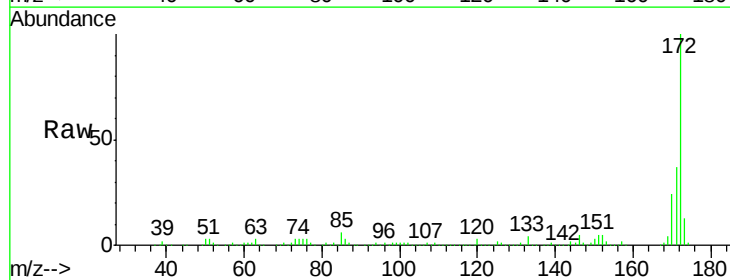
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111417-TIDO-E-U-S

Tgt Ion: 330 Resp: 110740  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.0 115.6  
 141 29.0 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 100.05 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. 0.00 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

Tgt Ion: 172 Resp: 962547  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.7 44.5  
 170 24.0 19.6 29.4

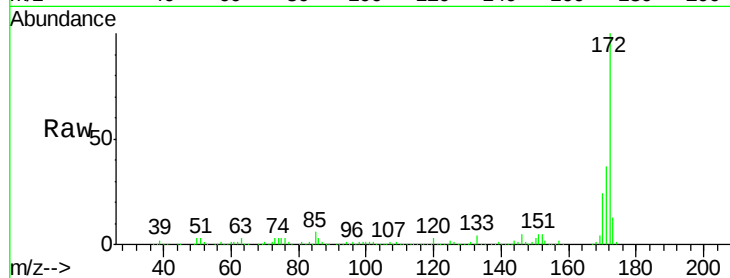




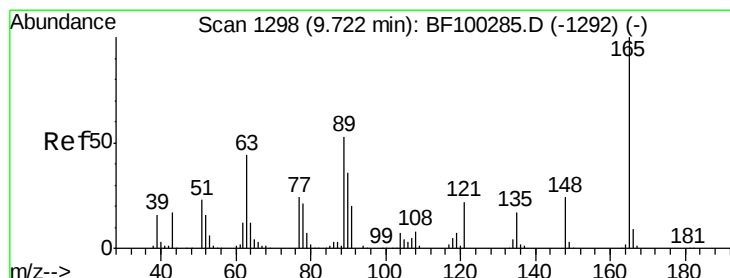
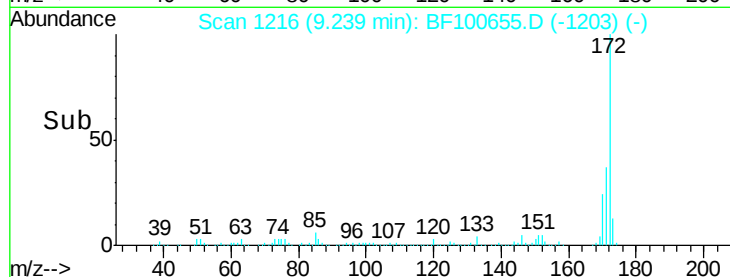
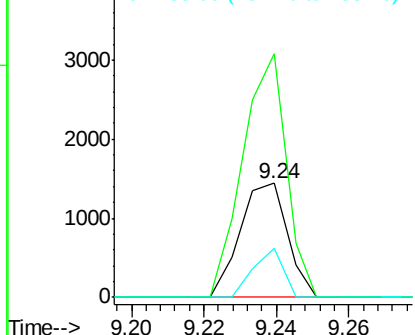
#47  
2-Nitroaniline  
Concen: 3.24 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.22 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Instrument :  
BNA\_F  
ClientSampleId :  
111417-TIDO-E-U-S

Tgt Ion: 65 Resp: 1310  
Ion Ratio Lower Upper  
65 100  
92 213.5 55.8 83.6#  
138 43.3 91.2 136.8#

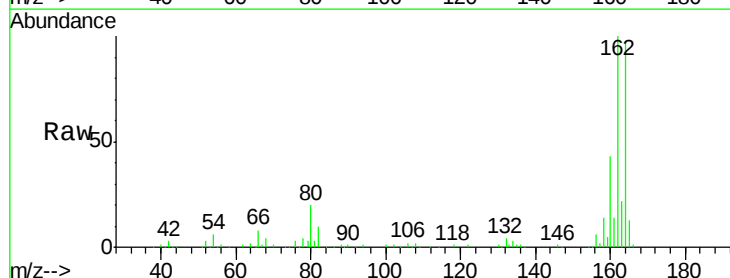


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

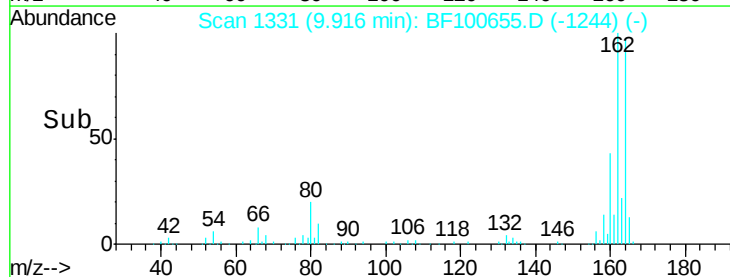
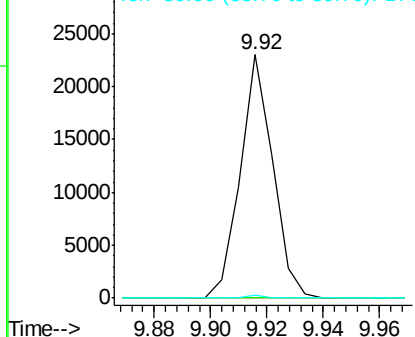


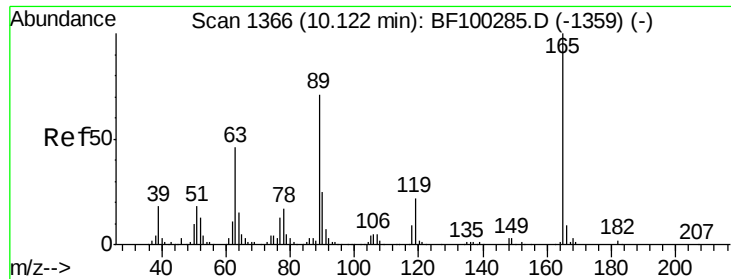
#50  
2,6-Dinitrotoluene  
Concen: 8.32 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.21 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Tgt Ion:165 Resp: 18414  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 1.4 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

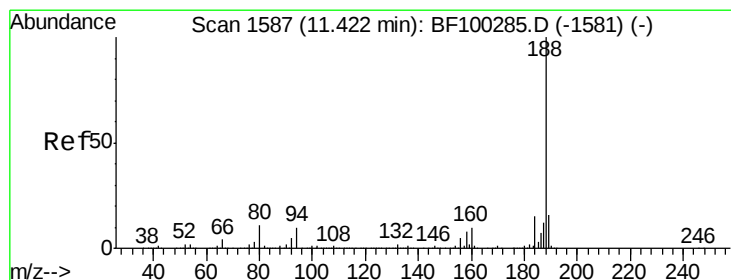
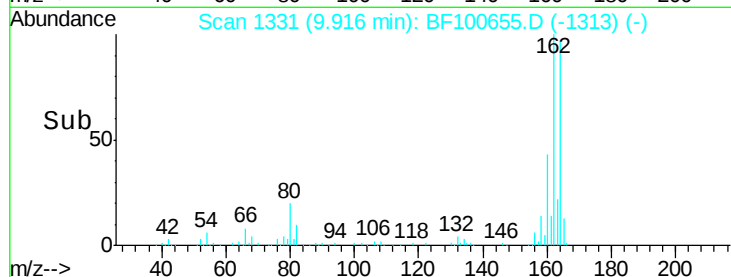
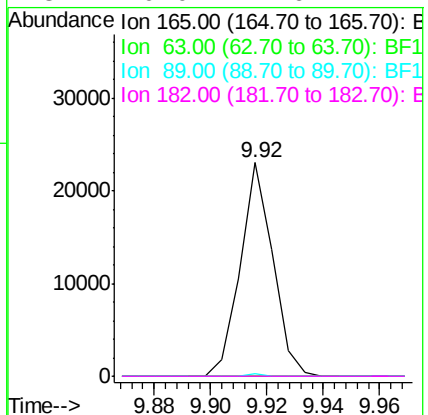
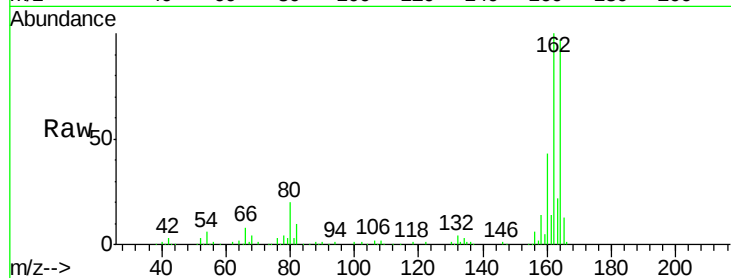




#56  
 2,4-Dinitrotoluene  
 Concen: 6.59 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.19 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

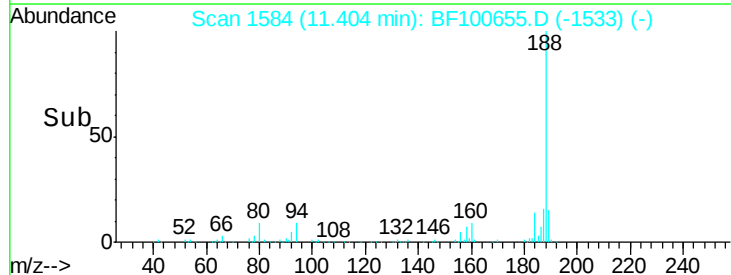
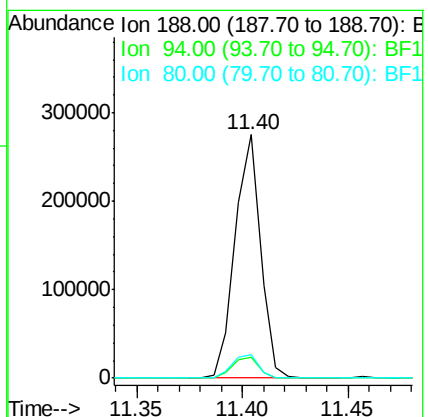
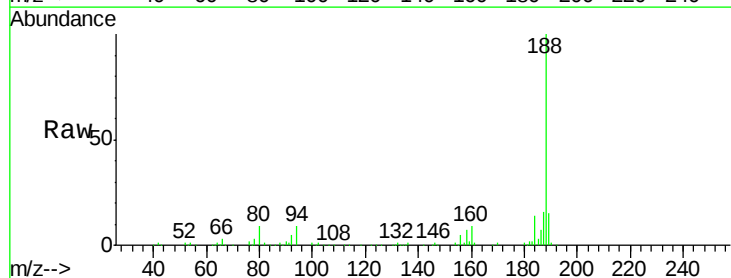
Instrument :  
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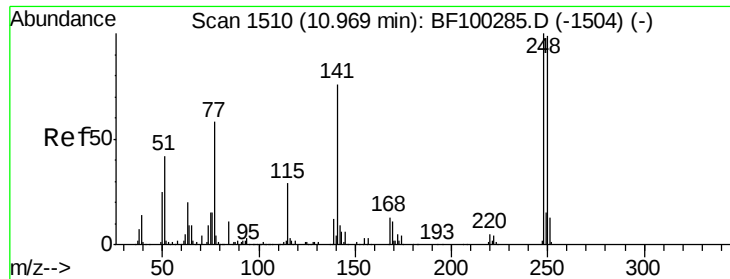
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 1.4   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 8.5   | 12.7  |
| 80      | 9.5   | 9.2   | 13.8  |

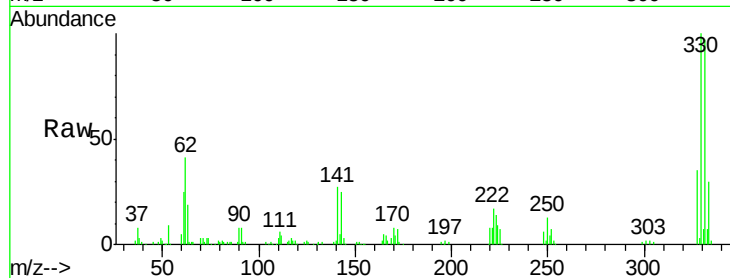




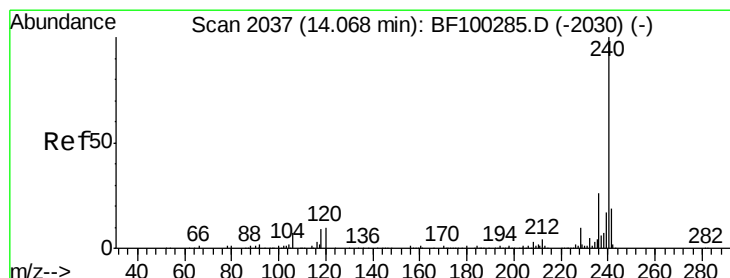
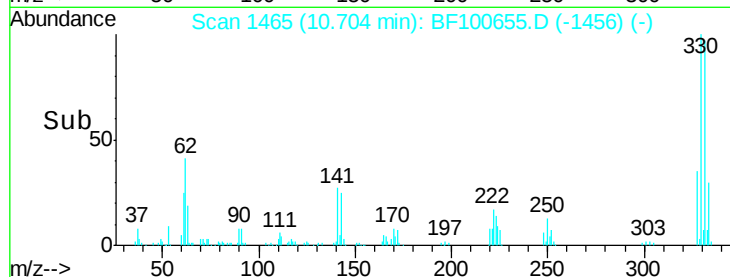
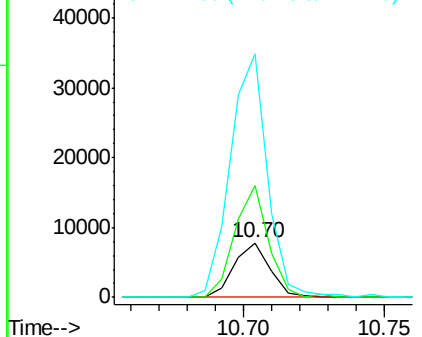
#66  
4-Bromophenyl-phenylether  
Concen: 2.79 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.25 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Instrument :  
BNA\_F  
ClientSampleId :  
111417-TIDO-E-U-S

Tgt Ion:248 Resp: 6869  
Ion Ratio Lower Upper  
248 100  
250 203.7 76.9 115.3#  
141 444.8 74.4 111.6#

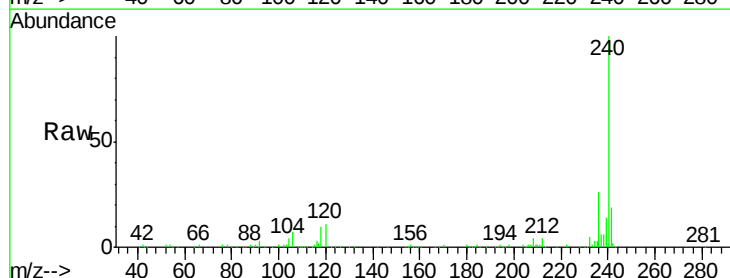


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

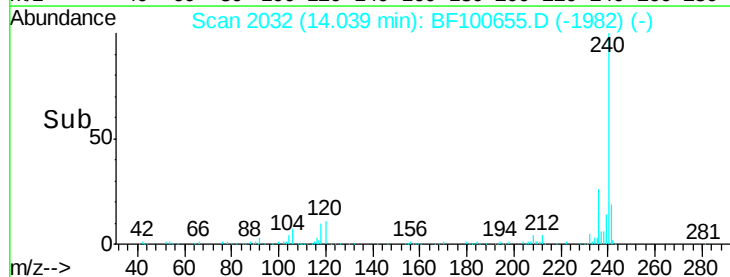
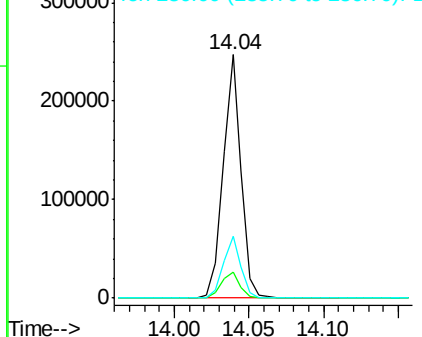


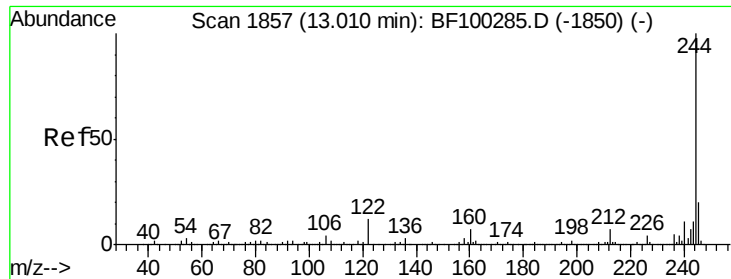
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF100655.D  
Acq: 17 Nov 2017 3:13

Tgt Ion:240 Resp: 208131  
Ion Ratio Lower Upper  
240 100  
120 10.5 9.5 14.3  
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

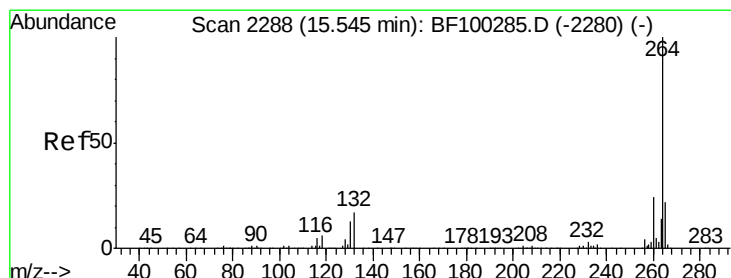
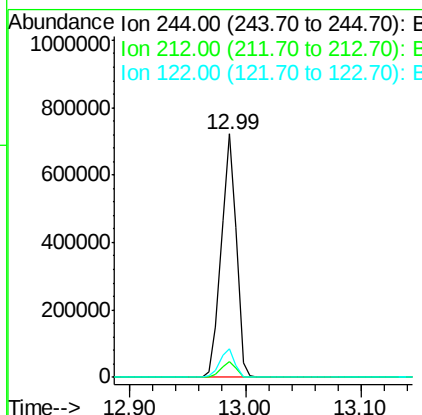
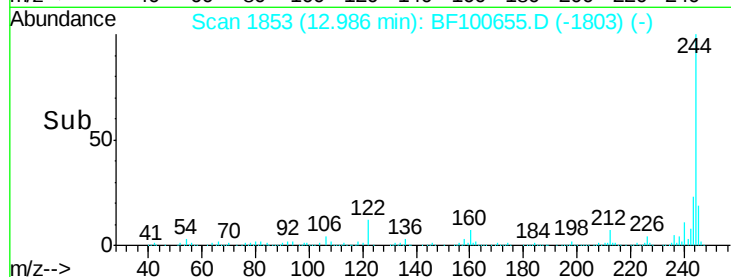
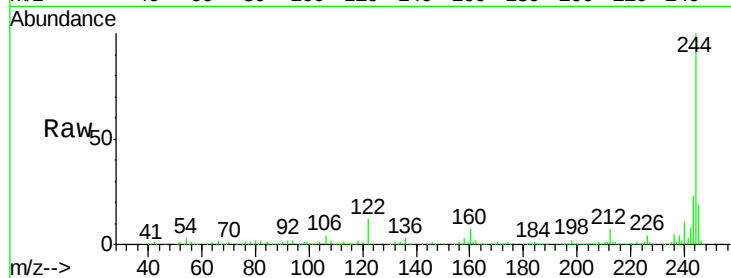




#78  
 Terphenyl-d14  
 Concen: 72.25 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111417-TIDO-E-U-S

Tgt Ion: 244 Resp: 654469  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 11.8 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.52 min Scan# 2283  
 Delta R.T. 0.00 min  
 Lab File: BF100655.D  
 Acq: 17 Nov 2017 3:13

Tgt Ion: 264 Resp: 215671  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 22.2 17.5 26.3

