

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050815\  
 Data File : BF079076.D  
 Acq On : 9 May 2015 11:23  
 Operator : TP/IZ  
 Sample : G2151-06  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-18-3.5

Quant Time: May 11 01:01:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 00:37:37 2015  
 Response via : Initial Calibration

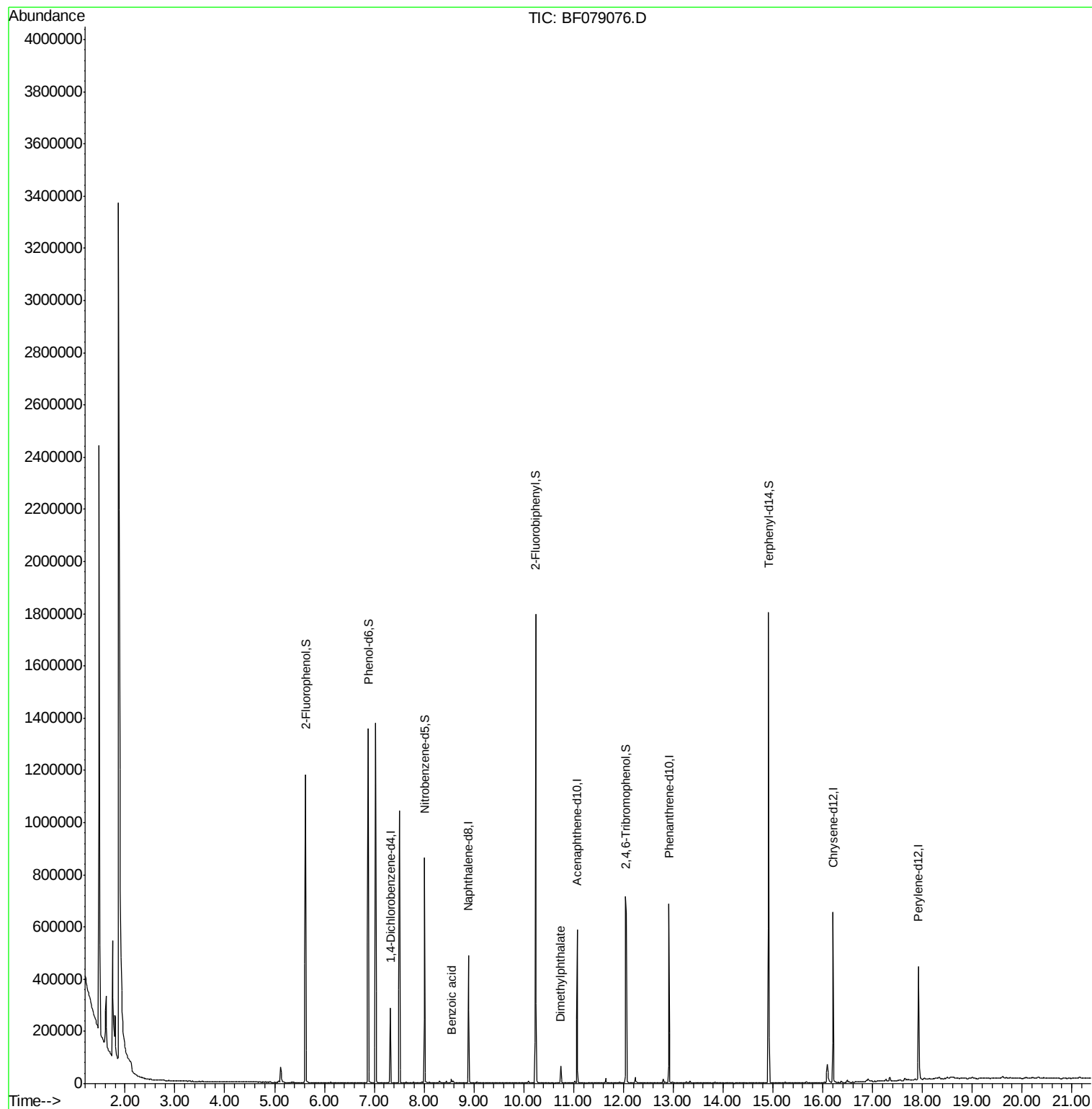
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.32  | 152  | 66496    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.89  | 136  | 270944   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 11.07 | 164  | 131808   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.91 | 188  | 263014   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.21 | 240  | 248203   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 17.92 | 264  | 243080   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 361428   | 93.56  | ng    | 0.00     |
| 7) Phenol-d6                | 6.88  | 99   | 511009   | 100.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.01  | 82   | 274986   | 58.33  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.06 | 330  | 130869   | 91.78  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.24 | 172  | 535649   | 56.62  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.91 | 244  | 628799   | 60.65  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 8.55  | 122  | 4872     | 8.06   | ng    | 93       |
| 49) Dimethylphthalate       | 10.74 | 163  | 27024    | 2.79   | ng    | 100      |

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

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050815\  
Data File : BF079076.D  
Acq On : 9 May 2015 11:23  
Operator : TP/IZ  
Sample : G2151-06  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-18-3.5

Quant Time: May 11 01:01:54 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 11 00:37:37 2015  
Response via : Initial Calibration

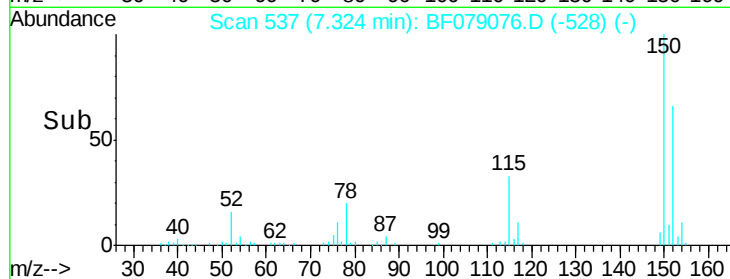
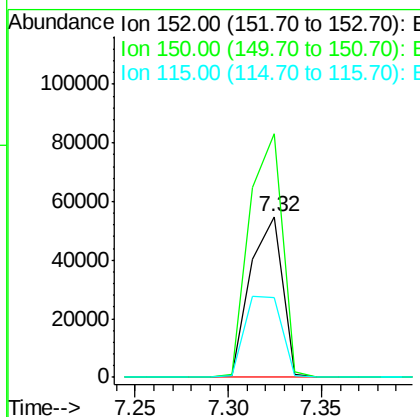
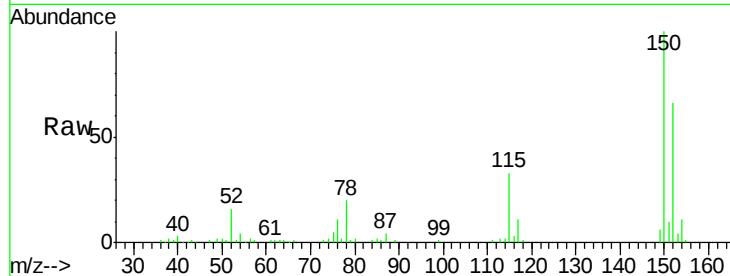




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.32 min Scan# 537  
 Delta R.T. -0.00 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

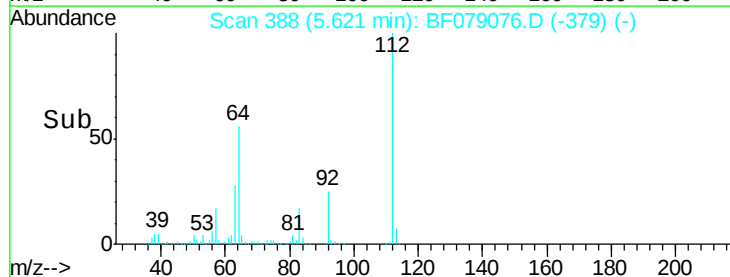
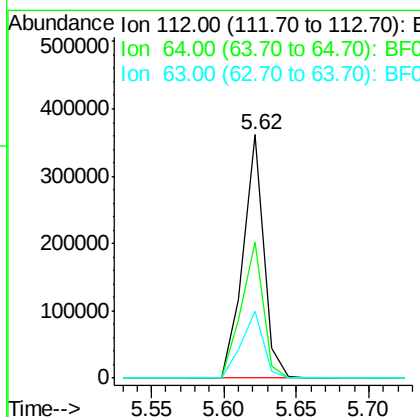
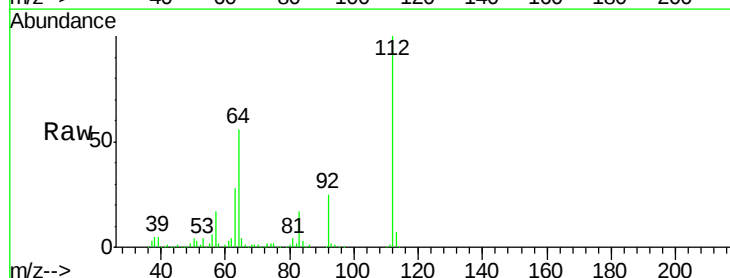
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-18-3.5

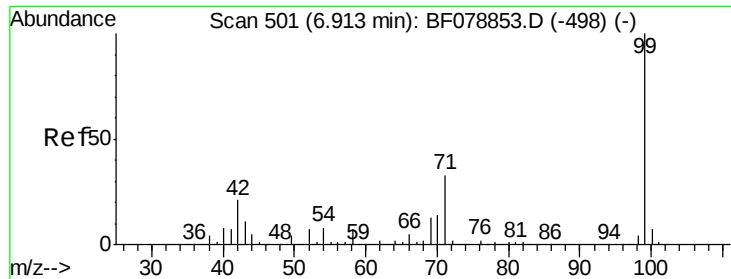
Tgt Ion:152 Resp: 66496  
 Ion Ratio Lower Upper  
 152 100  
 150 151.6 122.0 183.0  
 115 49.9 46.3 69.5



#5  
 2-Fluorophenol  
 Concen: 93.56 ng  
 RT: 5.62 min Scan# 388  
 Delta R.T. -0.00 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

Tgt Ion:112 Resp: 361428  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 53.5 80.3  
 63 27.7 27.5 41.3





#7

Phenol-d6

Concen: 100.08 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079076.D

Acq: 9 May 2015 11:23

Instrument :

BNA\_F

ClientSampleId :

TU012-SB-18-3.5

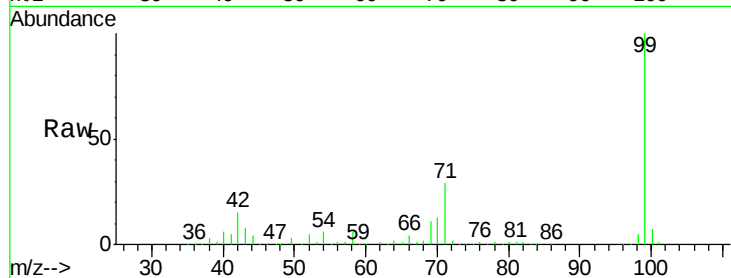
Tgt Ion: 99 Resp: 511009

Ion Ratio Lower Upper

99 100

42 15.2 12.8 19.2

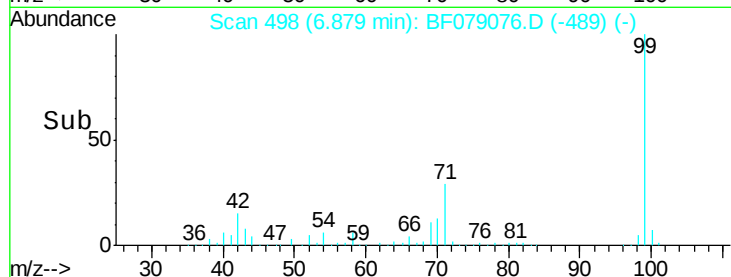
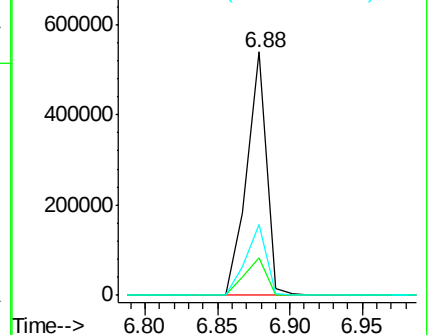
71 28.9 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.89 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF079076.D

Acq: 9 May 2015 11:23

Tgt Ion: 136 Resp: 270944

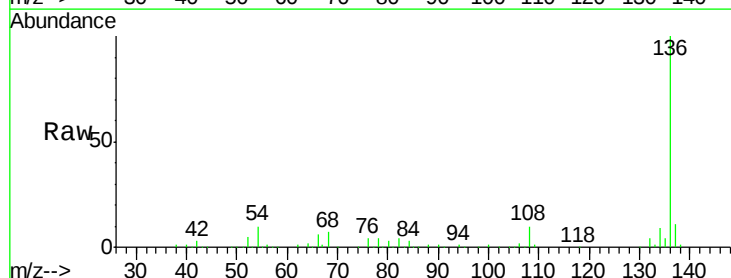
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.7 5.8 8.8#

68 7.2 4.2 6.4#

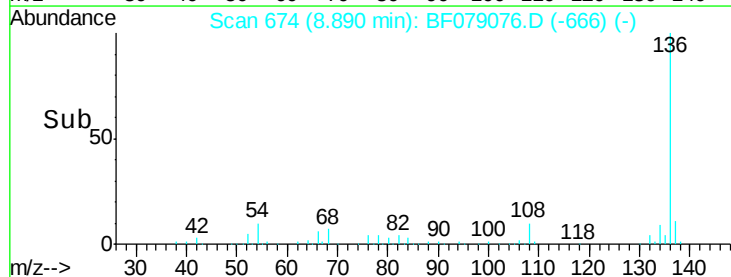
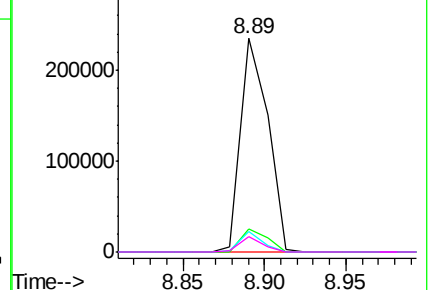


Abundance Ion 136.00 (135.70 to 136.70): E

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

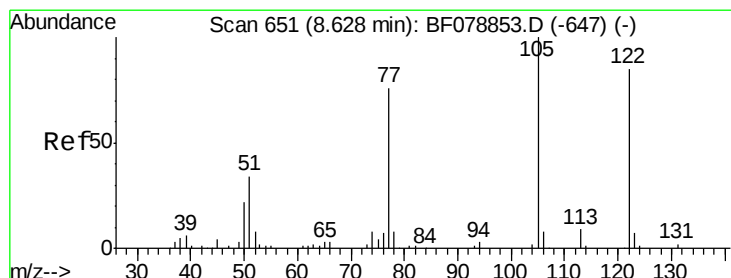
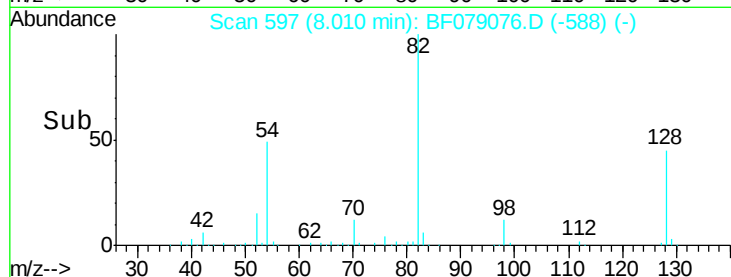
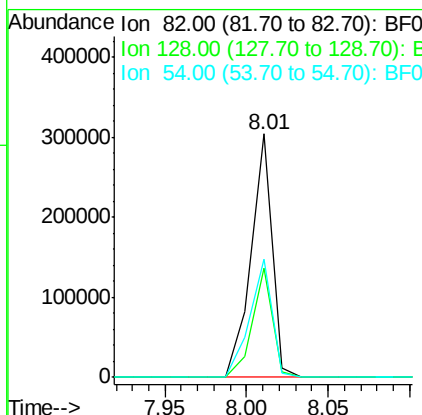
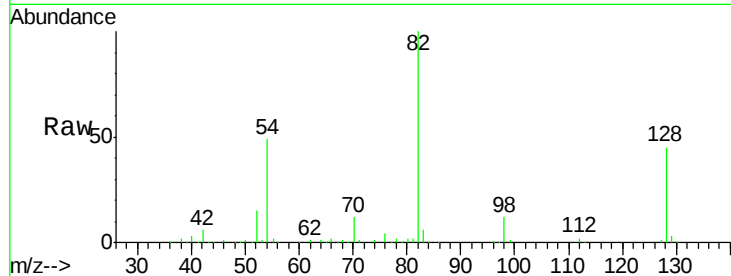




#23  
Nitrobenzene-d5  
Concen: 58.33 ng  
RT: 8.01 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: BF079076.D  
Acq: 9 May 2015 11:23

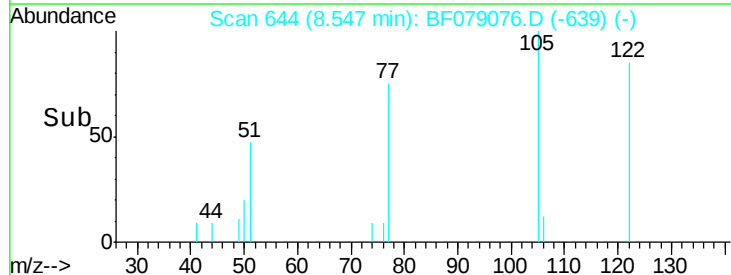
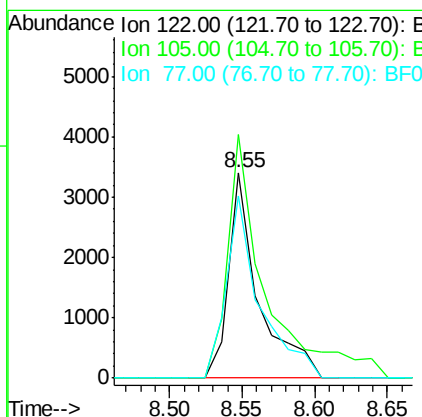
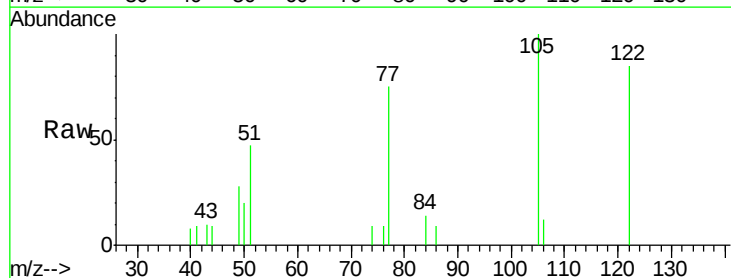
Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-18-3.5

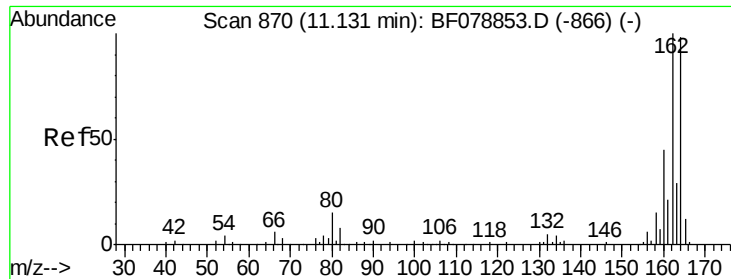
Tgt Ion: 82 Resp: 274986  
Ion Ratio Lower Upper  
82 100  
128 45.0 30.0 45.0#  
54 48.6 46.4 69.6



#32  
Benzoic acid  
Concen: 8.06 ng  
RT: 8.55 min Scan# 644  
Delta R.T. -0.05 min  
Lab File: BF079076.D  
Acq: 9 May 2015 11:23

Tgt Ion: 122 Resp: 4872  
Ion Ratio Lower Upper  
122 100  
105 118.3 107.1 147.1  
77 88.7 73.9 113.9

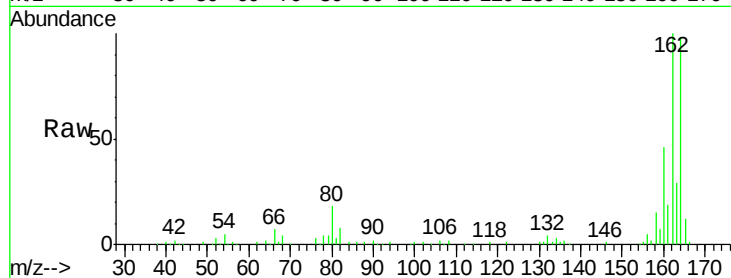




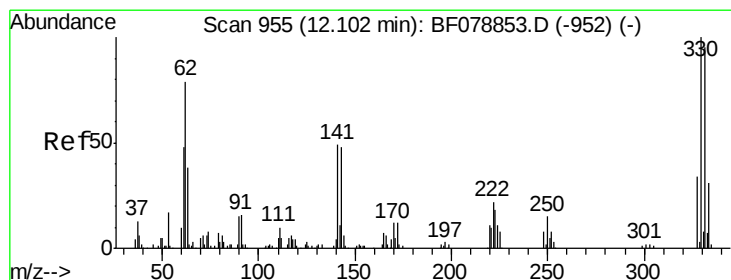
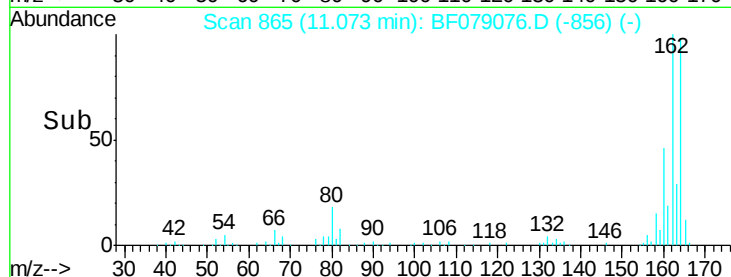
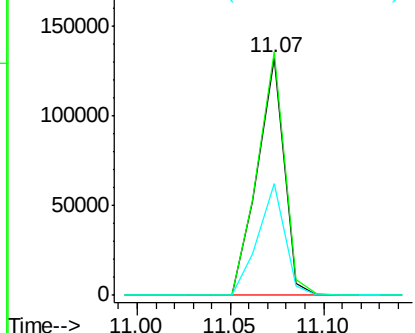
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 865  
 Delta R.T. -0.00 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-18-3.5

Tgt Ion:164 Resp: 131808  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.7 124.1  
 160 46.9 35.8 53.8

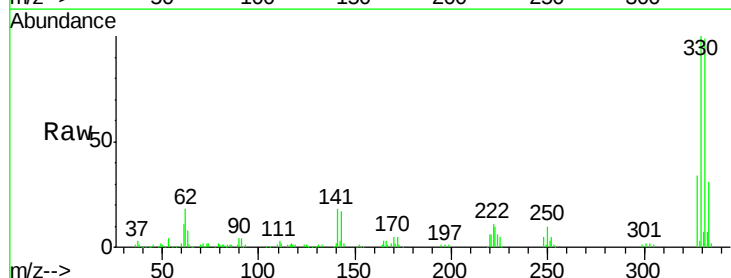


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

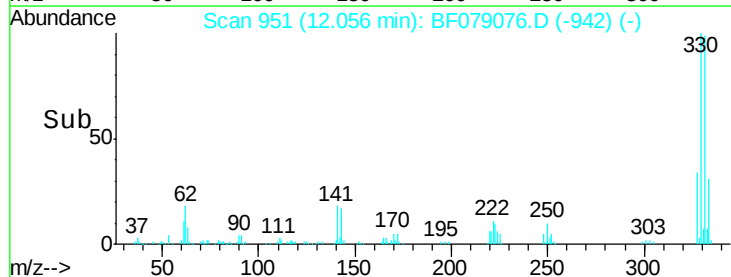
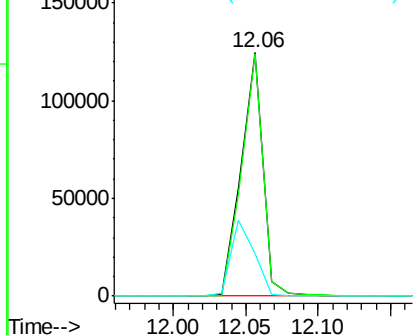


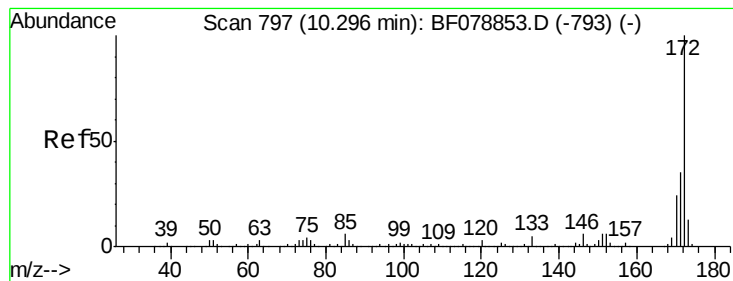
#41  
 2,4,6-Tribromophenol  
 Concen: 91.78 ng  
 RT: 12.06 min Scan# 951  
 Delta R.T. -0.00 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

Tgt Ion:330 Resp: 130869  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 0.0 0.0#  
 141 33.4 0.0 0.0#



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: 56.62 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF079076.D

Acq: 9 May 2015 11:23

Instrument :

BNA\_F

ClientSampleId :

TU012-SB-18-3.5

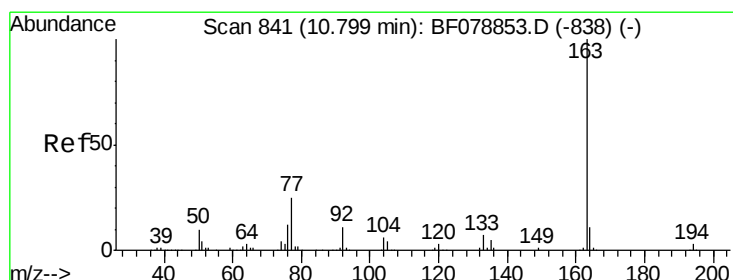
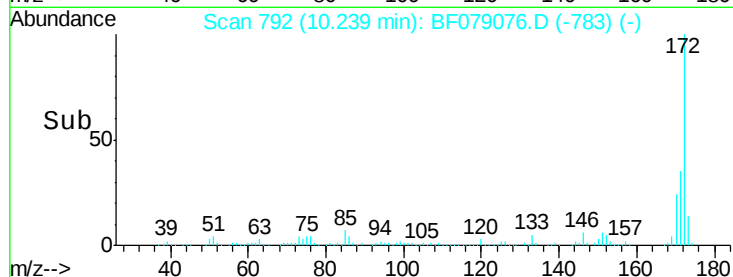
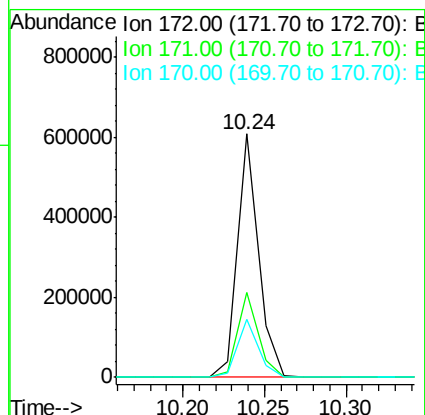
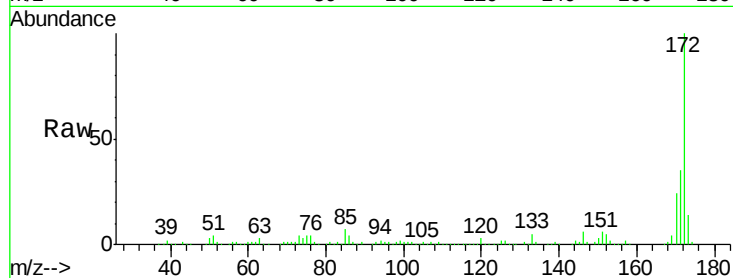
Tgt Ion:172 Resp: 535649

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.8 19.4 29.0



#49

Dimethylphthalate

Concen: 2.79 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF079076.D

Acq: 9 May 2015 11:23

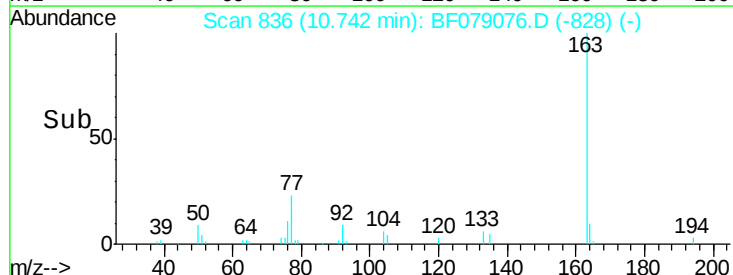
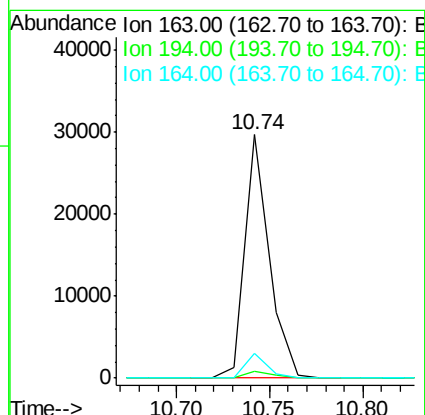
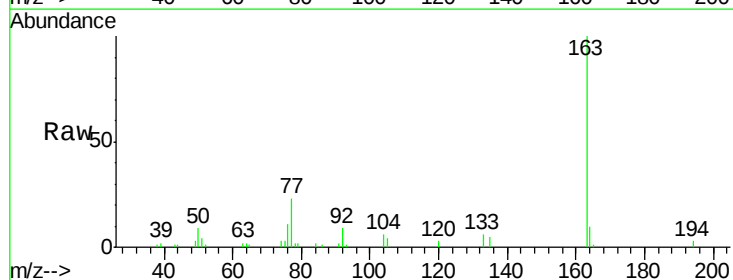
Tgt Ion:163 Resp: 27024

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

164 10.1 8.1 12.1

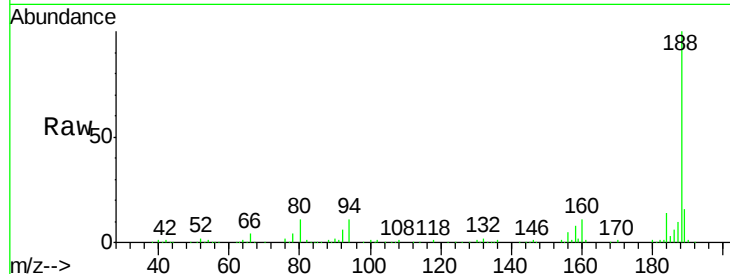




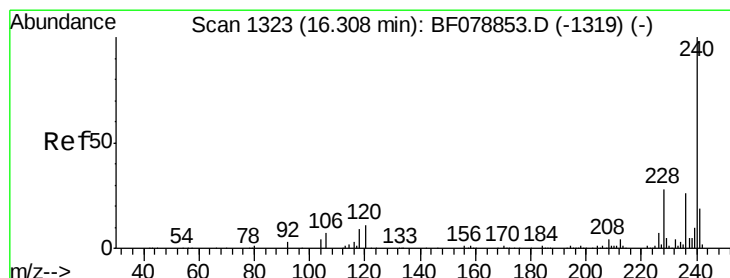
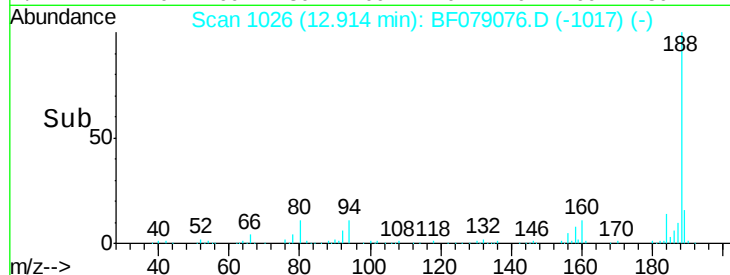
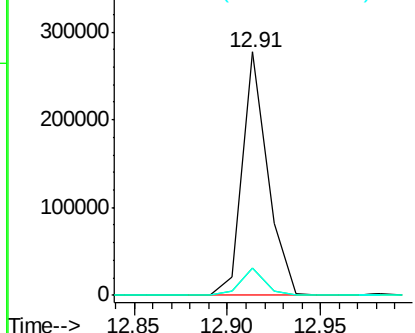
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.91 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BF079076.D  
Acq: 9 May 2015 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-18-3.5

Tgt Ion:188 Resp: 263014  
Ion Ratio Lower Upper  
188 100  
94 11.3 8.2 12.2  
80 11.3 8.9 13.3

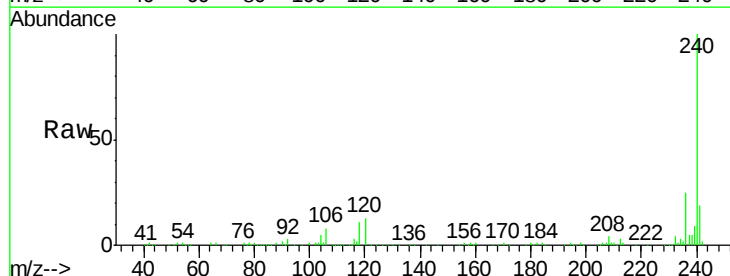


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

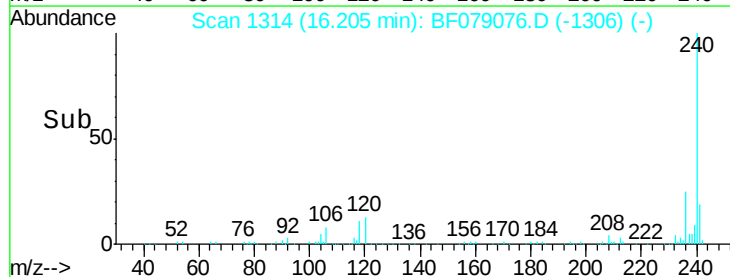
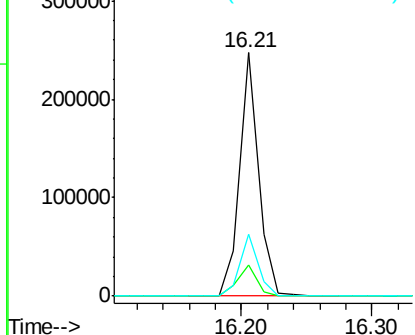


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.21 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BF079076.D  
Acq: 9 May 2015 11:23

Tgt Ion:240 Resp: 248203  
Ion Ratio Lower Upper  
240 100  
120 13.0 9.7 14.5  
236 25.4 20.2 30.4



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

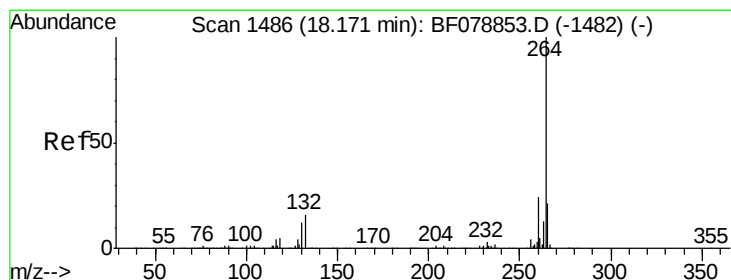
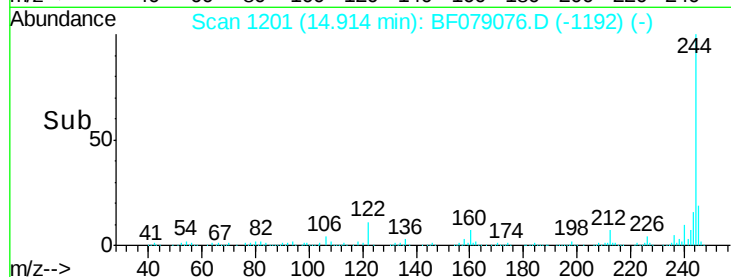
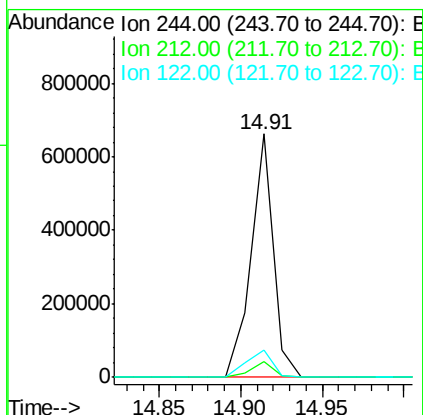
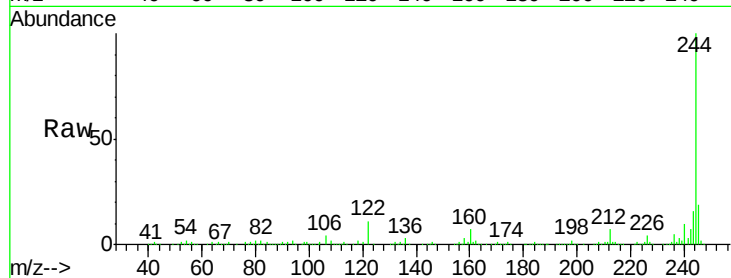




#78  
 Terphenyl-d14  
 Concen: 60.65 ng  
 RT: 14.91 min Scan# 1201  
 Delta R.T. -0.00 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-18-3.5

Tgt Ion:244 Resp: 628799  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.6 8.4  
 122 11.1 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.92 min Scan# 1464  
 Delta R.T. -0.01 min  
 Lab File: BF079076.D  
 Acq: 9 May 2015 11:23

Tgt Ion:264 Resp: 243080  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.4 29.2  
 265 21.5 18.3 27.5

