

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\  
 Data File : BF082415.D  
 Acq On : 21 Oct 2015 20:27  
 Operator : UM/IZ  
 Sample : G4101-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S3

Quant Time: Oct 22 10:30:05 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 13:20:24 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 111076   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.06  | 136  | 441301   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 214806   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 440787   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 379129   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.50 | 264  | 267116   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 681359   | 123.80 | ng    | 0.02     |
| 7) Phenol-d6                | 6.41  | 99   | 749438   | 104.64 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 568161   | 86.46  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 224550   | 111.47 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1278837  | 98.73  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.89 | 244  | 1227158  | 85.77  | ng    | -0.01    |

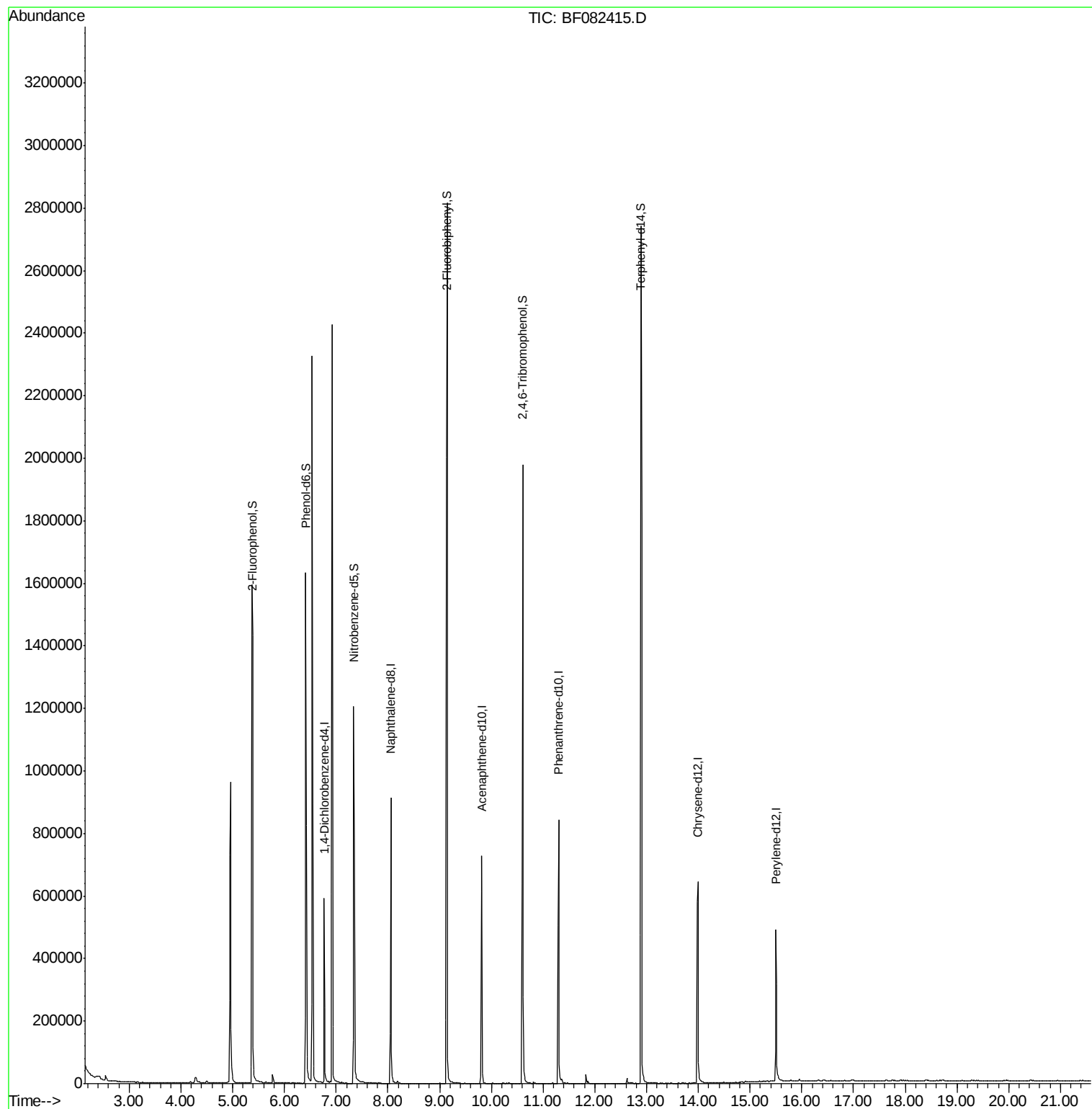
Target Compounds Qvalue

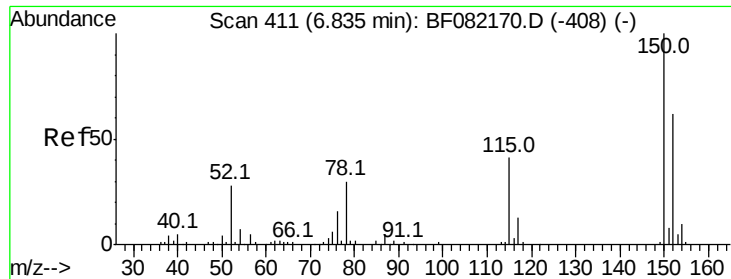
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

Instrument :

BNA\_F

ClientSampleId :

S3

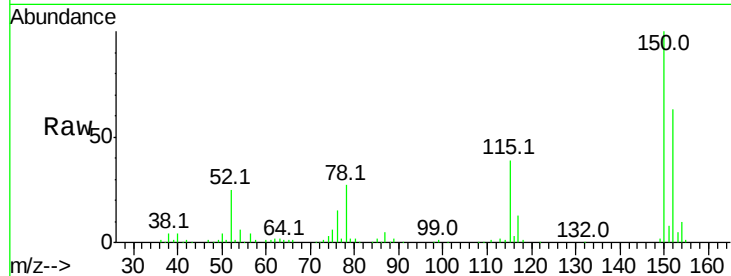
Tot Ion:152 Resp: 111076

Ion Ratio Lower Upper

152 100

150 158.1 129.0 193.4

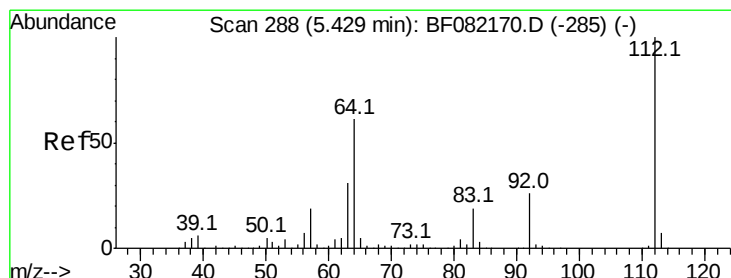
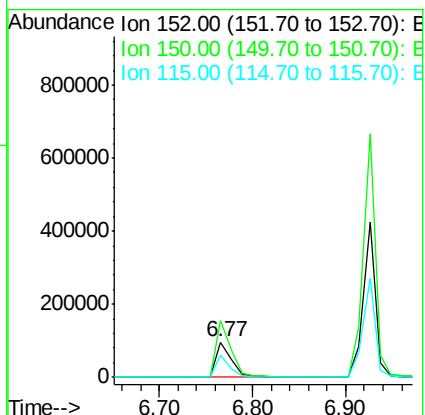
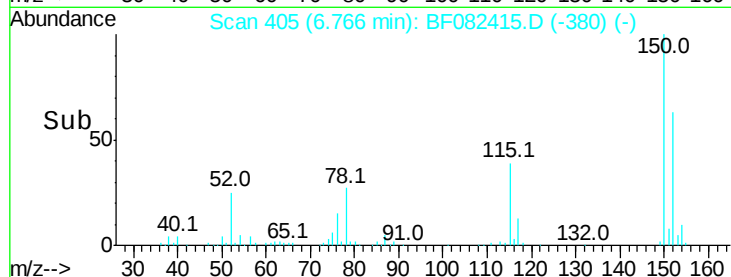
115 62.4 52.1 78.1



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: 123.80 ng

RT: 5.38 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

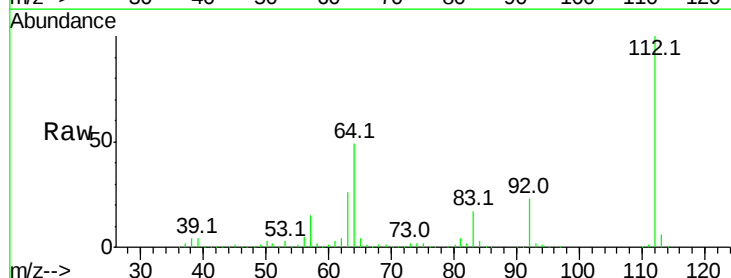
Tgt Ion:112 Resp: 681359

Ion Ratio Lower Upper

112 100

64 49.5 48.6 73.0

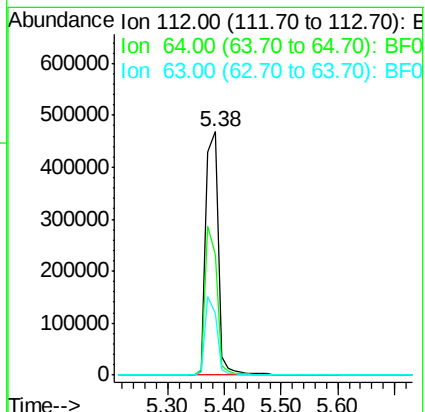
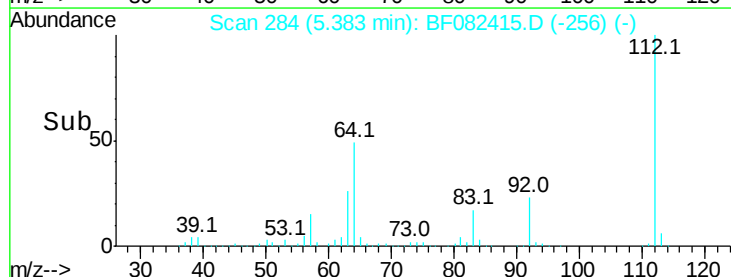
63 25.6 25.1 37.7



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: 104.64 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

Instrument :

BNA\_F

ClientSampleId :

S3

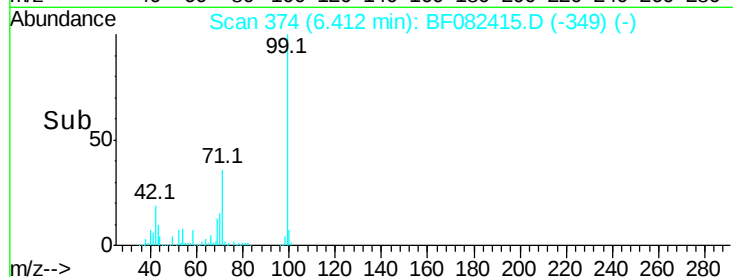
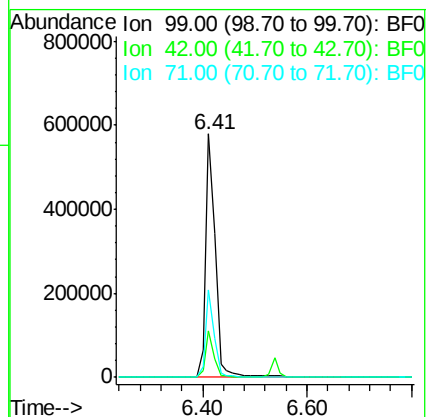
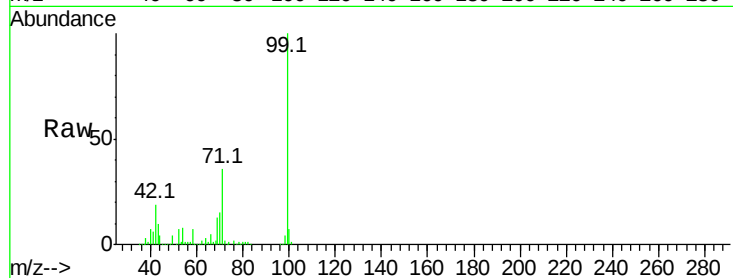
Tot Ion: 99 Resp: 749438

Ion Ratio Lower Upper

99 100

42 19.1 13.2 19.8

71 35.7 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

Tgt Ion: 136 Resp: 441301

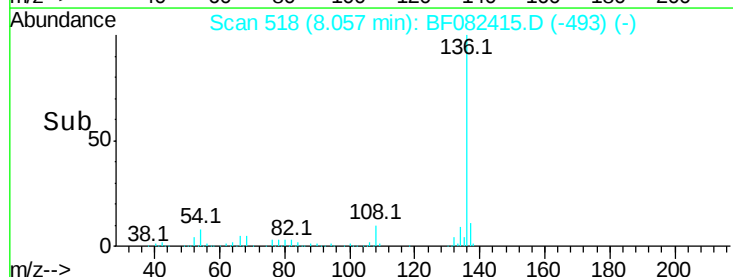
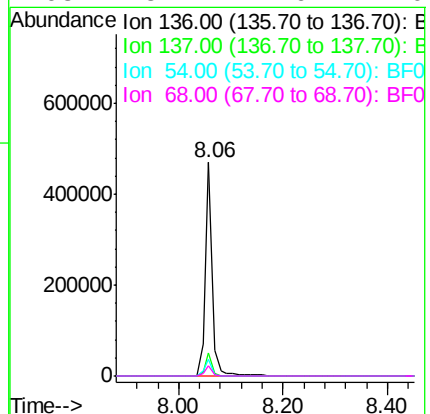
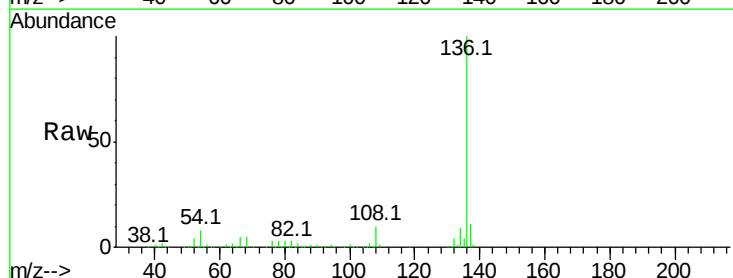
Ion Ratio Lower Upper

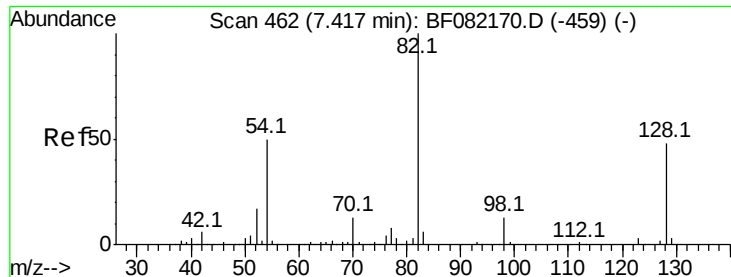
136 100

137 11.0 9.0 13.6

54 7.7 7.5 11.3

68 5.1 4.6 7.0

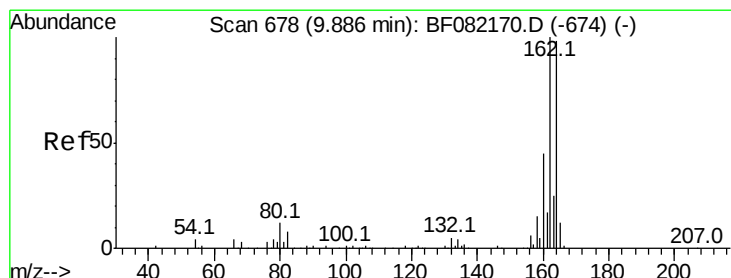
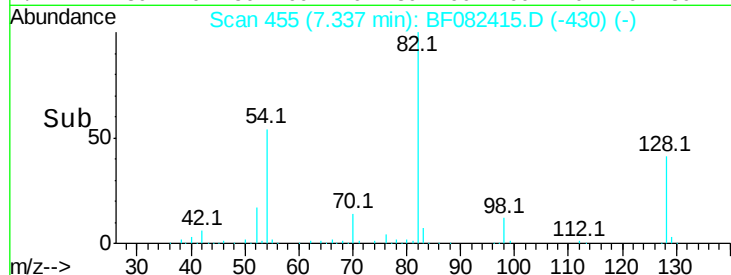
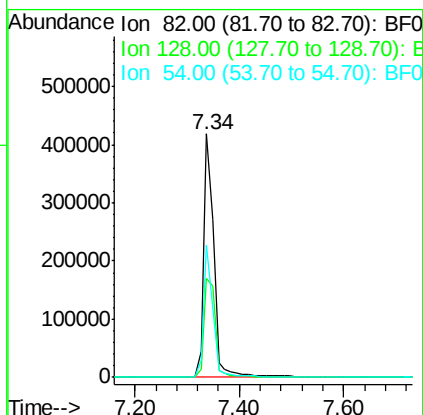
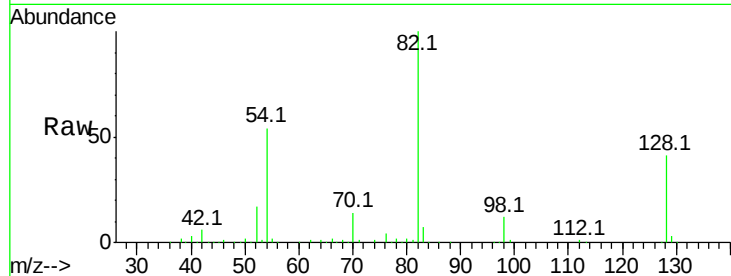




#23  
 Nitrobenzene-d5  
 Concen: 86.46 ng  
 RT: 7.34 min Scan# 455  
 Delta R.T. -0.01 min  
 Lab File: BF082415.D  
 Acq: 21 Oct 2015 20:27

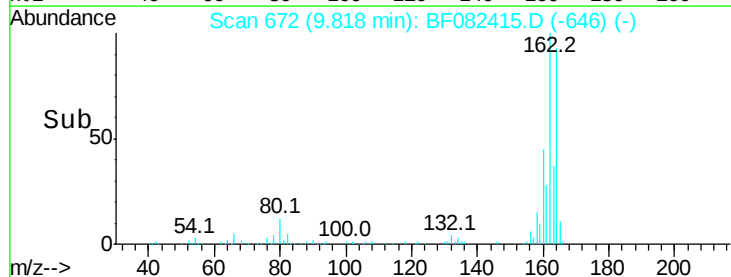
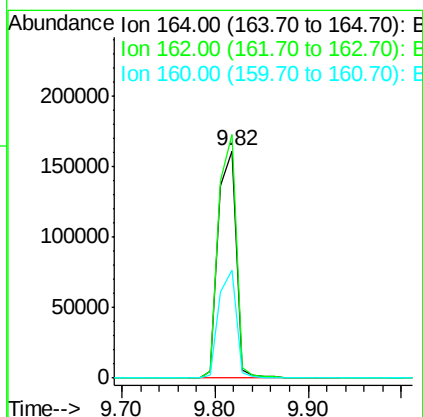
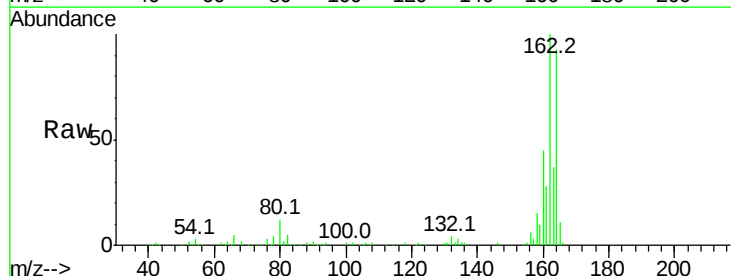
Instrument :  
 BNA\_F  
 ClientSampled :  
 S3

Tot Ion: 82 Resp: 568161  
 Ion Ratio Lower Upper  
 82 100  
 128 40.9 38.7 58.1  
 54 54.2 40.1 60.1



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 672  
 Delta R.T. -0.00 min  
 Lab File: BF082415.D  
 Acq: 21 Oct 2015 20:27

Tgt Ion: 164 Resp: 214806  
 Ion Ratio Lower Upper  
 164 100  
 162 107.2 81.6 122.4  
 160 47.7 36.4 54.6

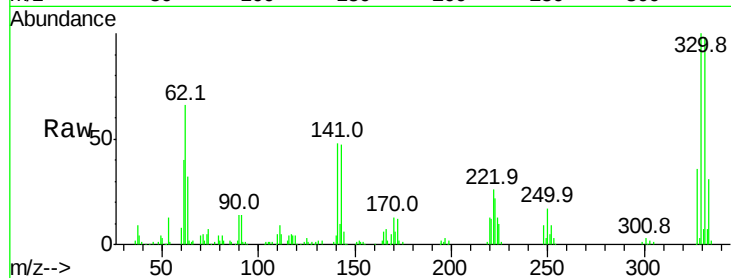




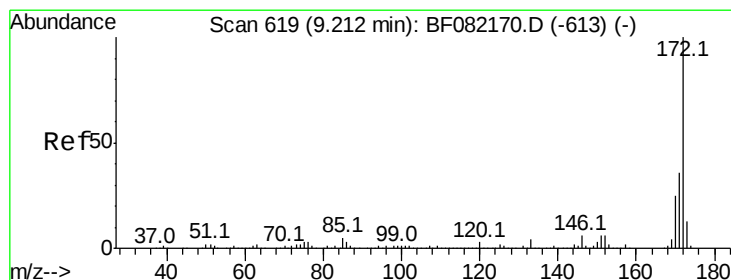
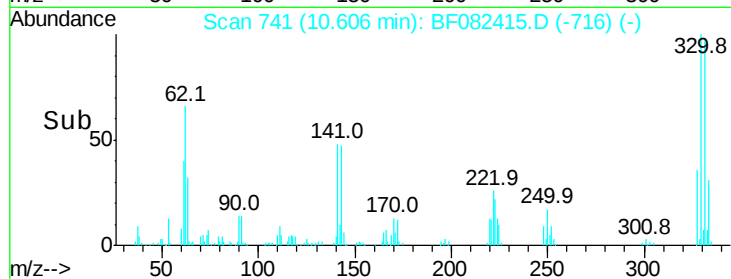
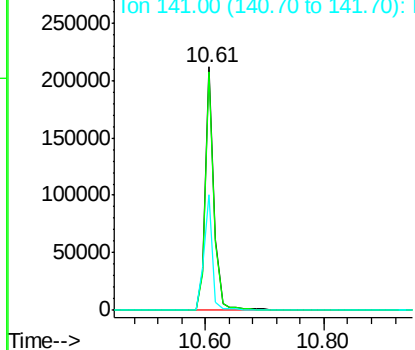
#41  
 2,4,6-Tribromophenol  
 Concen: 111.47 ng  
 RT: 10.61 min Scan# 741  
 Delta R.T. -0.01 min  
 Lab File: BF082415.D  
 Acq: 21 Oct 2015 20:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S3

Tot Ion:330 Resp: 224550  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.1 115.7  
 141 46.3 29.8 44.8#

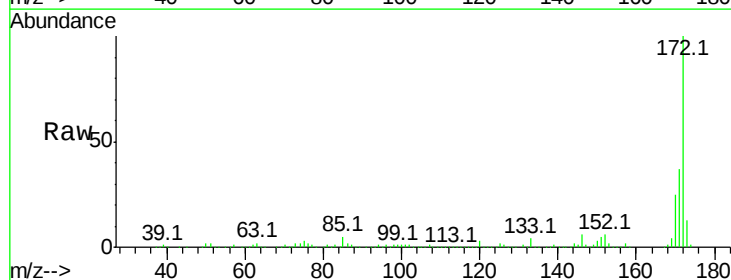


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

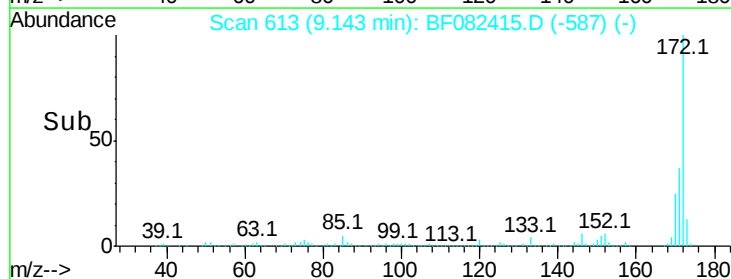
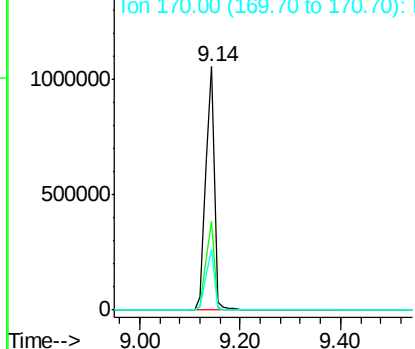


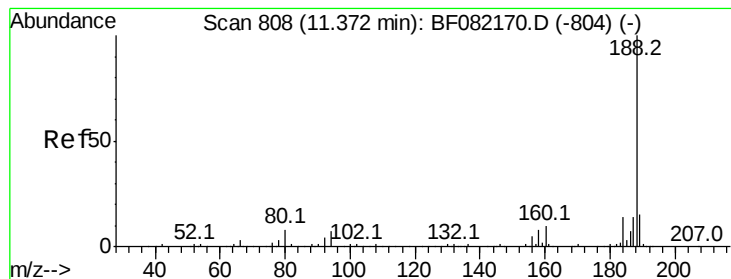
#44  
 2-Fluorobiphenyl  
 Concen: 98.73 ng  
 RT: 9.14 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF082415.D  
 Acq: 21 Oct 2015 20:27

Tgt Ion:172 Resp: 1278837  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 28.6 42.8  
 170 24.7 19.7 29.5



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

Instrument :

BNA\_F

ClientSampled :

S3

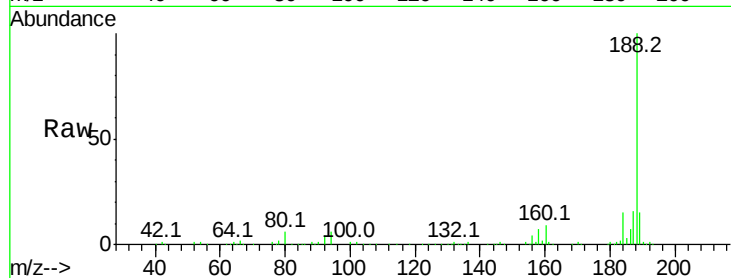
Tot Ion:188 Resp: 440787

Ion Ratio Lower Upper

188 100

94 6.0 5.8 8.6

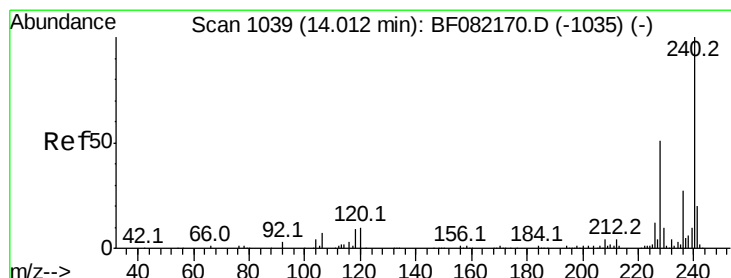
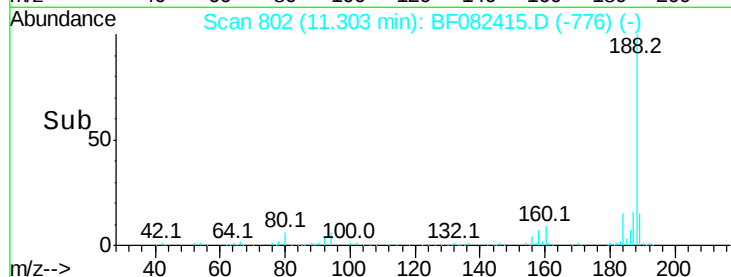
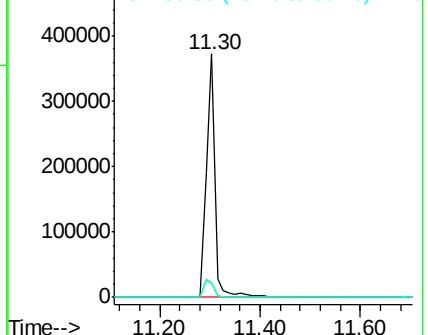
80 6.2 6.4 9.6#



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: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

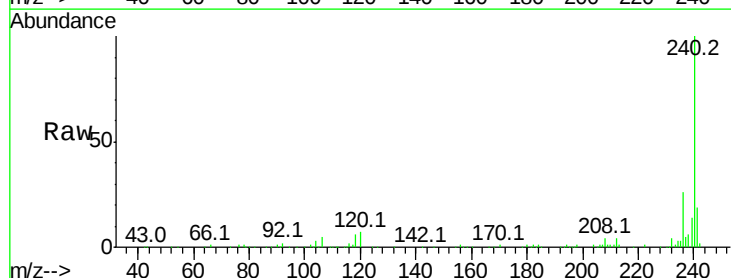
Tgt Ion:240 Resp: 379129

Ion Ratio Lower Upper

240 100

120 6.8 8.1 12.1#

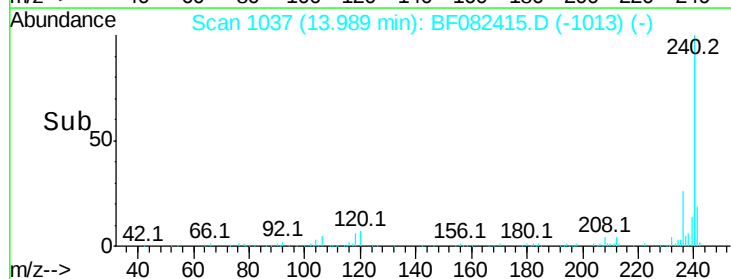
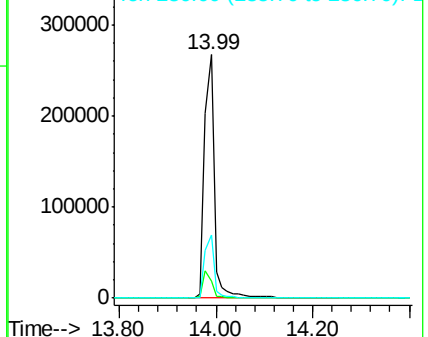
236 25.9 21.3 31.9

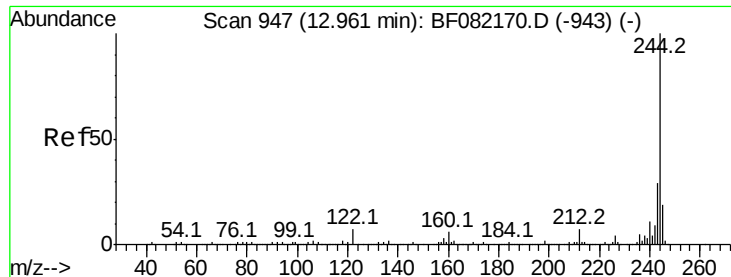


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.77 ng

RT: 12.89 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

Instrument :

BNA\_F

ClientSampled :

S3

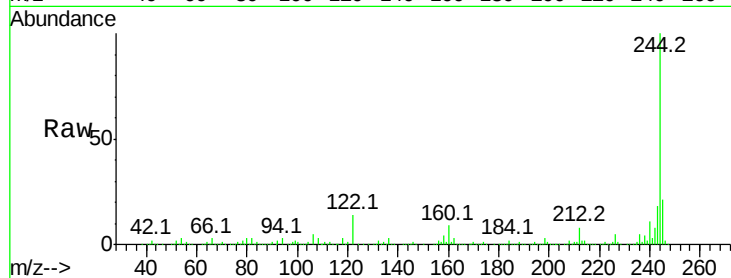
Tot Ion:244 Resp: 1227158

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.6

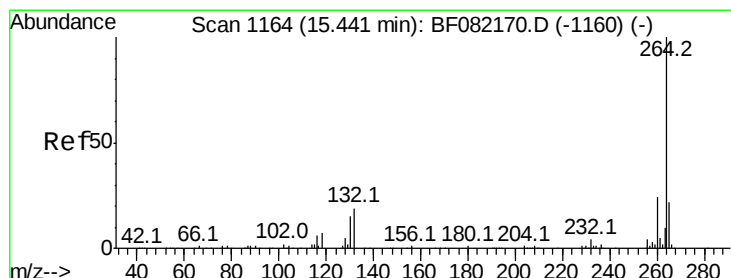
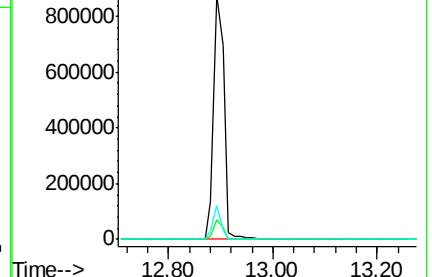
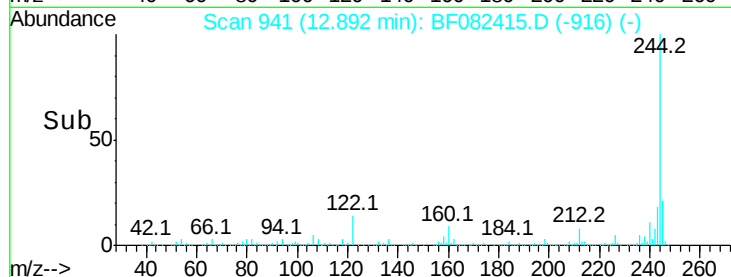
122 13.7 5.9 8.9#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF082415.D

Acq: 21 Oct 2015 20:27

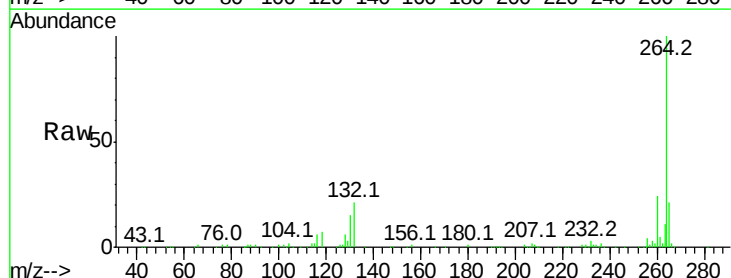
Tgt Ion:264 Resp: 267116

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.5 17.3 25.9



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

