

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\  
 Data File : BF082413.D  
 Acq On : 21 Oct 2015 19:30  
 Operator : UM/IZ  
 Sample : G4101-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S1

Quant Time: Oct 22 10:25:47 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  | 115412   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.06  | 136  | 447915   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 226022   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 471880   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 406931   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.51 | 264  | 281347   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 700442   | 122.49 | ng    | 0.02     |
| 7) Phenol-d6                | 6.41  | 99   | 767789   | 103.17 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 578245   | 86.70  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 239544   | 113.01 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1326141  | 97.30  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.89 | 244  | 1333344  | 86.83  | ng    | -0.01    |

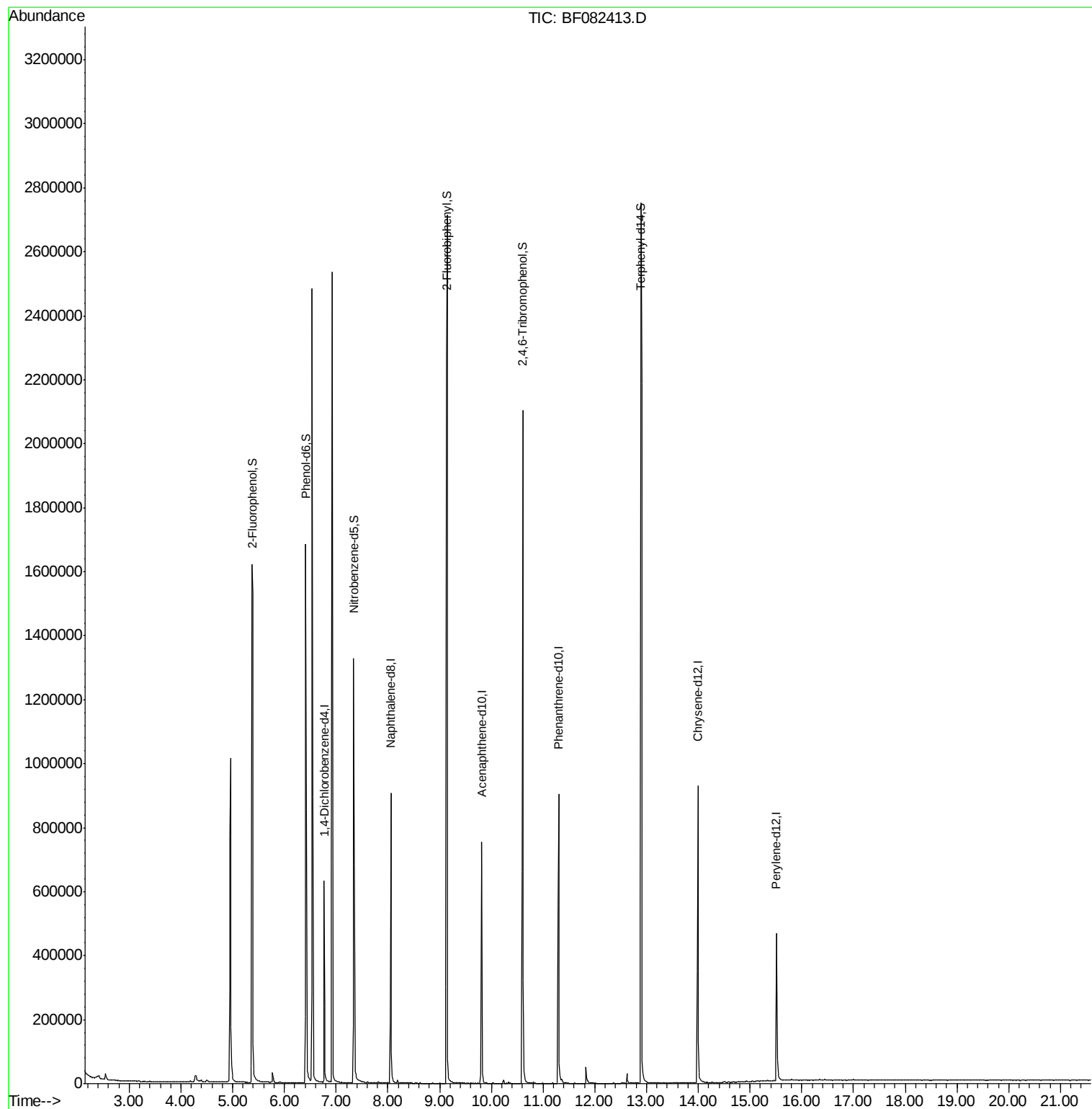
Target Compounds Qvalue

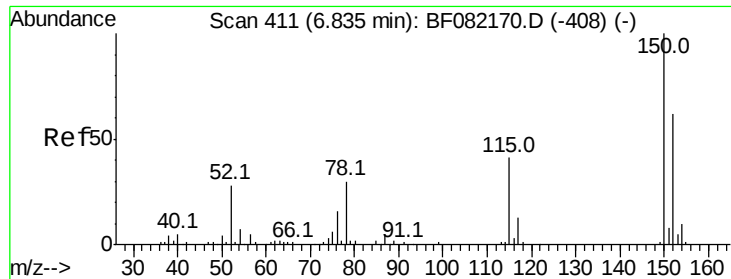
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\  
Data File : BF082413.D  
Acq On : 21 Oct 2015 19:30  
Operator : UM/IZ  
Sample : G4101-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S1

Quant Time: Oct 22 10:25:47 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampled :

S1

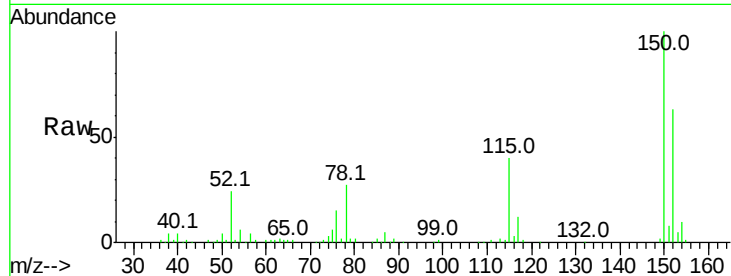
Tot Ion:152 Resp: 115412

Ion Ratio Lower Upper

152 100

150 160.0 129.0 193.4

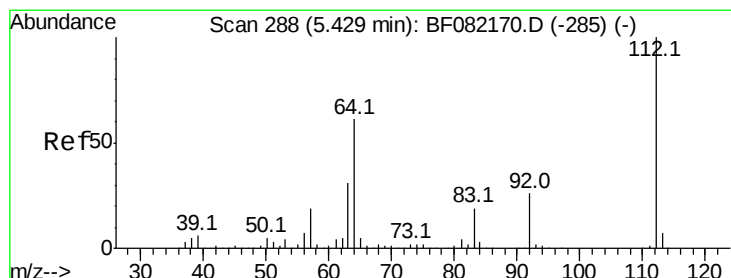
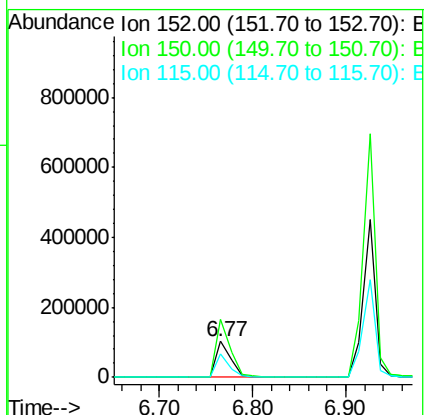
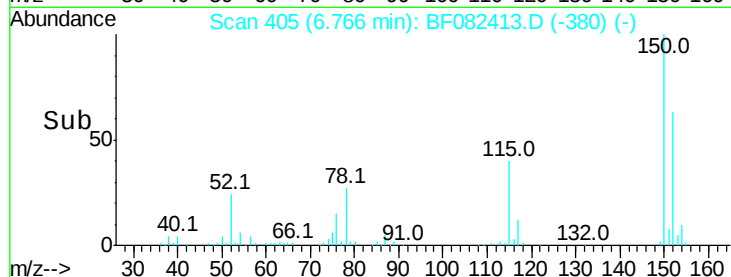
115 64.0 52.1 78.1



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: 122.49 ng

RT: 5.38 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

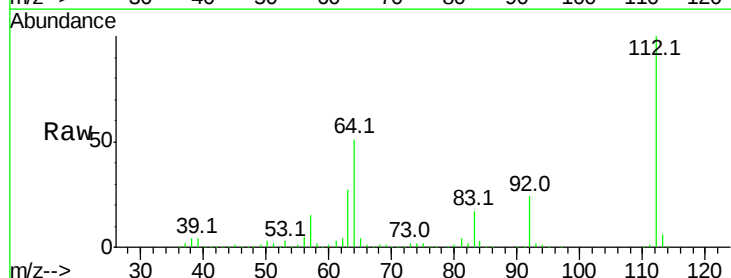
Tgt Ion:112 Resp: 700442

Ion Ratio Lower Upper

112 100

64 51.0 48.6 73.0

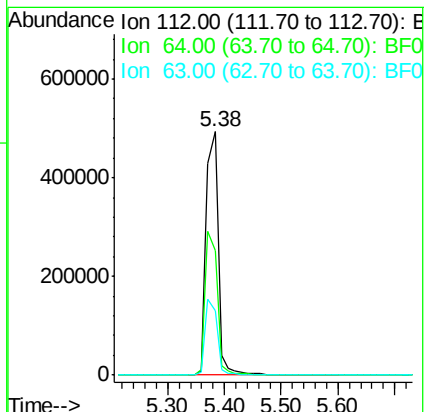
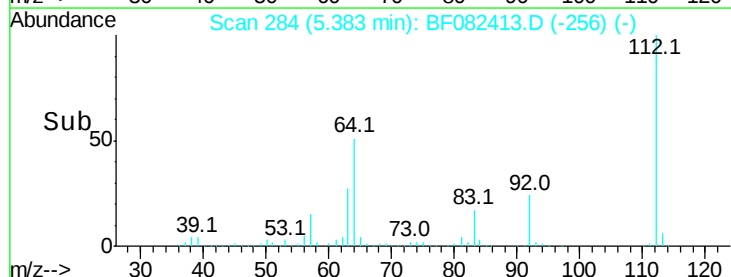
63 26.5 25.1 37.7

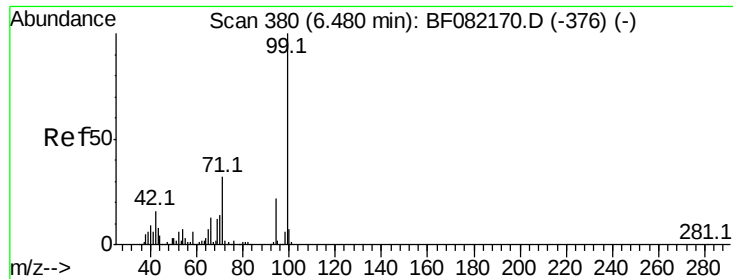


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.17 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampleId :

S1

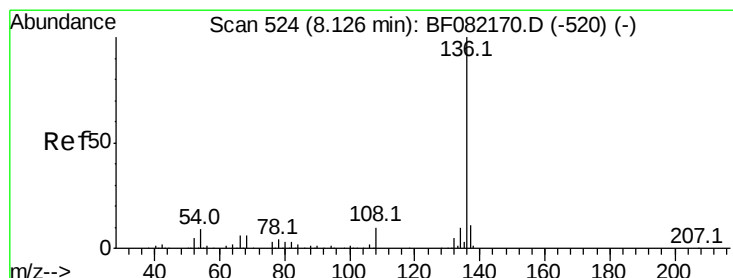
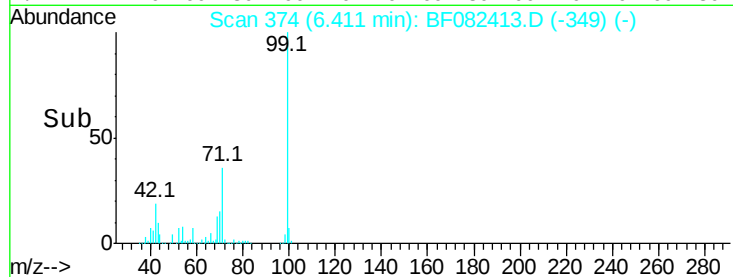
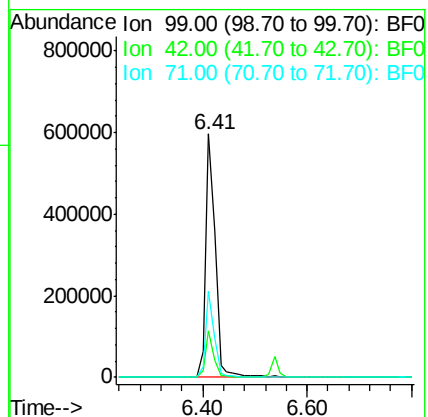
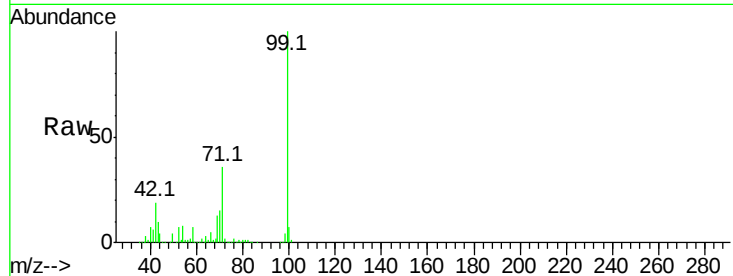
Tot Ion: 99 Resp: 767789

Ion Ratio Lower Upper

99 100

42 19.1 13.2 19.8

71 35.5 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: BF082413.D

Acq: 21 Oct 2015 19:30

Tgt Ion: 136 Resp: 447915

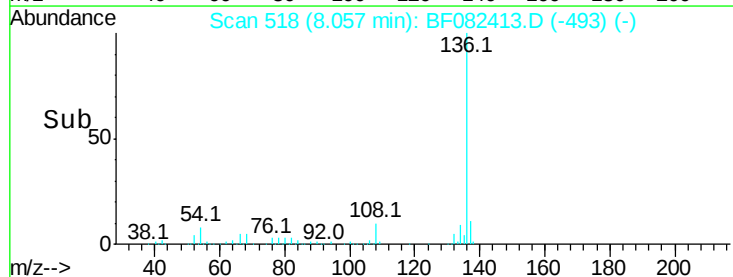
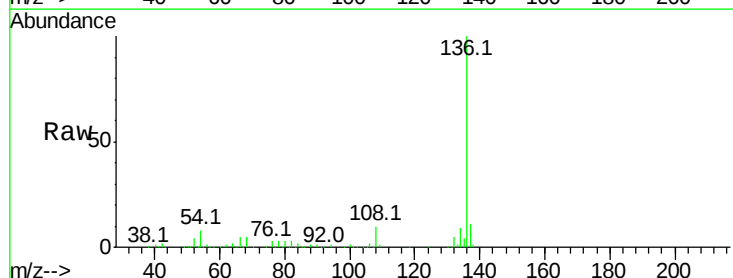
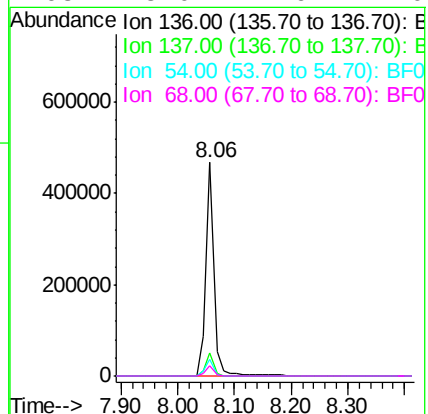
Ion Ratio Lower Upper

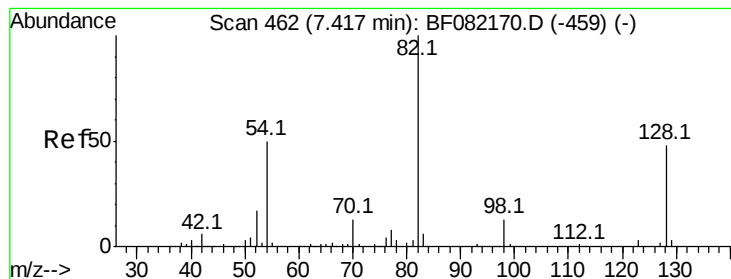
136 100

137 10.8 9.0 13.6

54 7.7 7.5 11.3

68 5.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 86.70 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampled :

S1

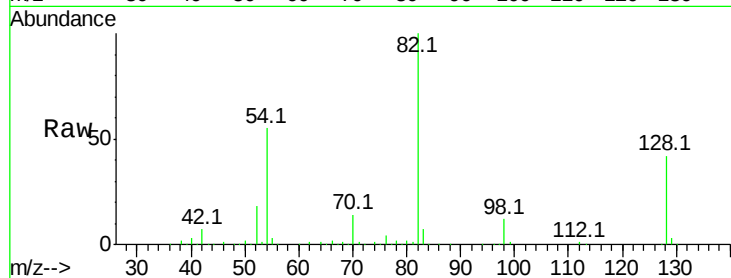
Tot Ion: 82 Resp: 578245

Ion Ratio Lower Upper

82 100

128 41.6 38.7 58.1

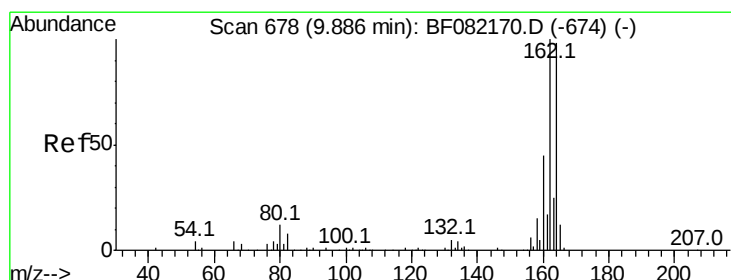
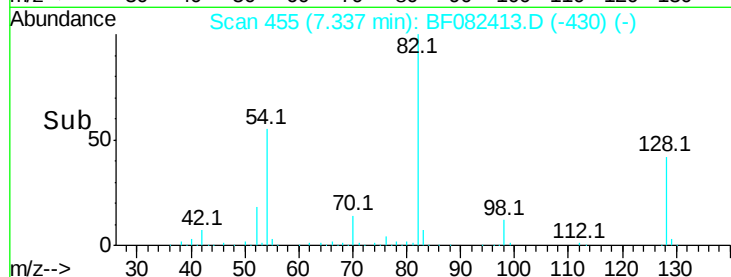
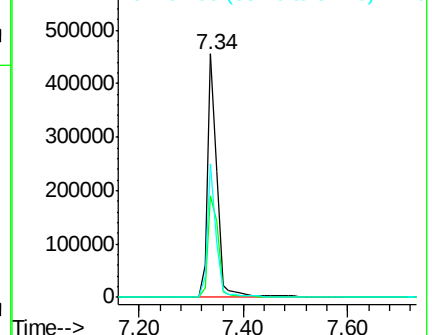
54 55.1 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

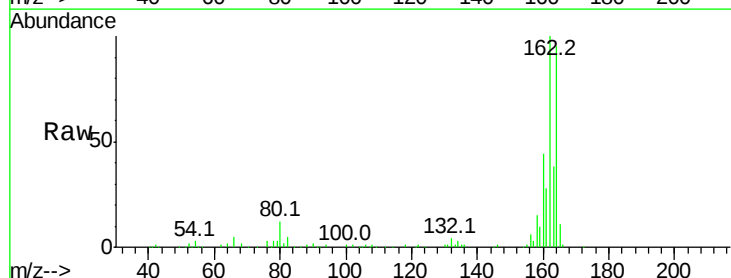
Tgt Ion: 164 Resp: 226022

Ion Ratio Lower Upper

164 100

162 105.8 81.6 122.4

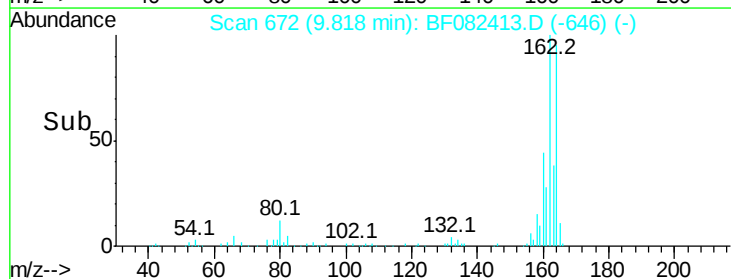
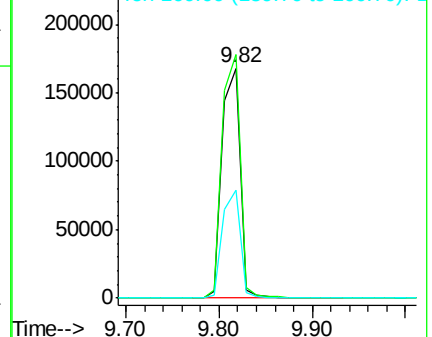
160 46.7 36.4 54.6

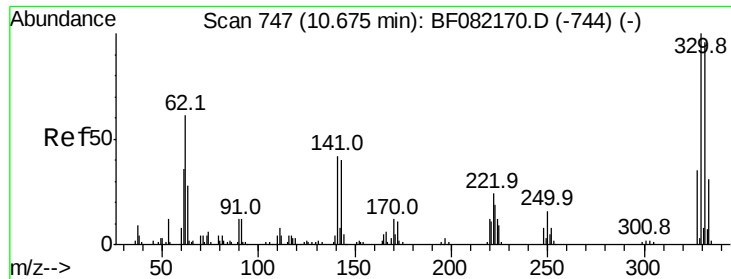


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

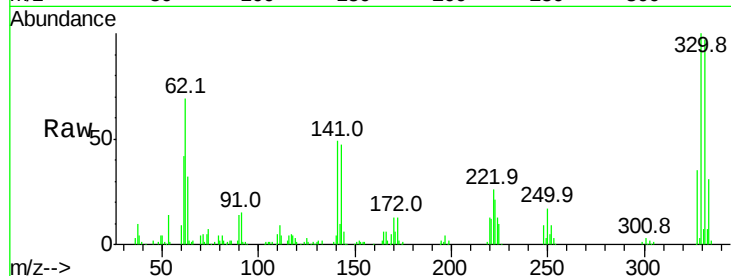




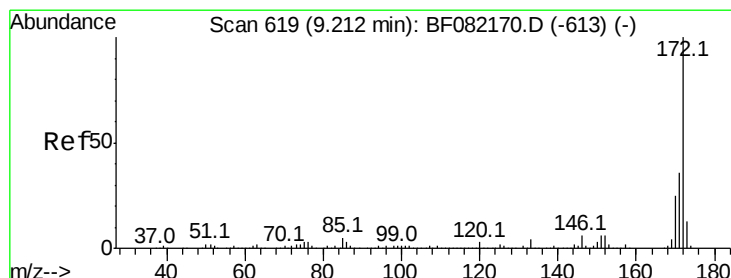
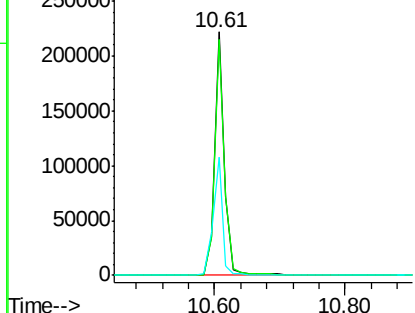
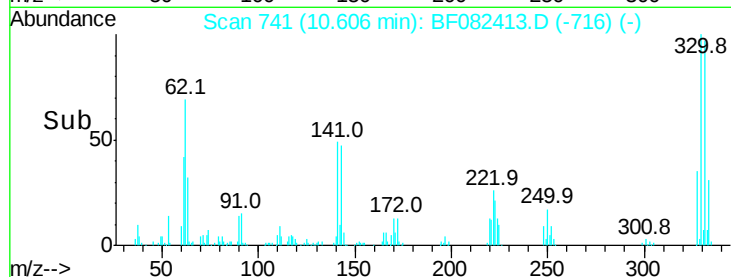
#41  
 2,4,6-Tribromophenol  
 Concen: 113.01 ng  
 RT: 10.61 min Scan# 741  
 Delta R.T. -0.01 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 S1

Tot Ion:330 Resp: 239544  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.1 115.7  
 141 46.4 29.8 44.8#

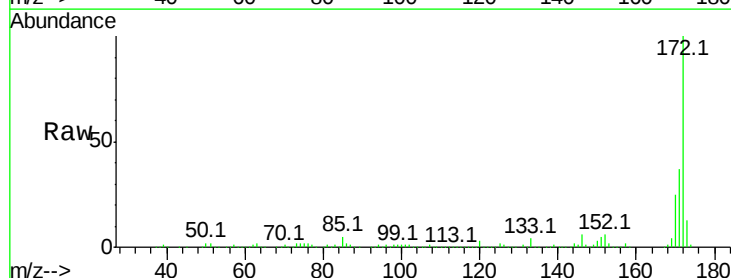


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

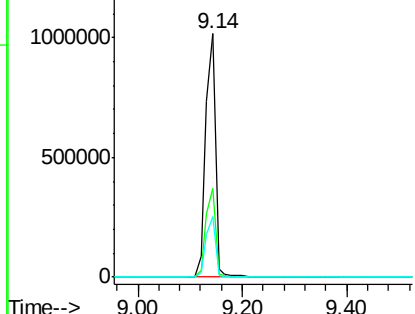
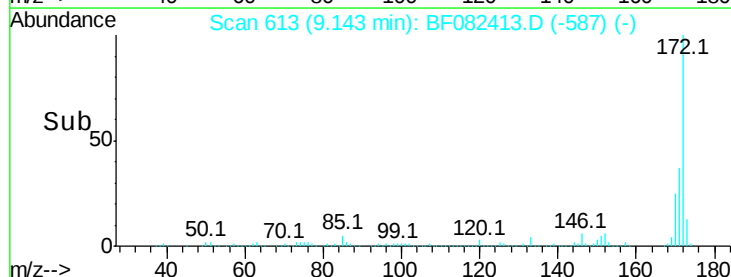


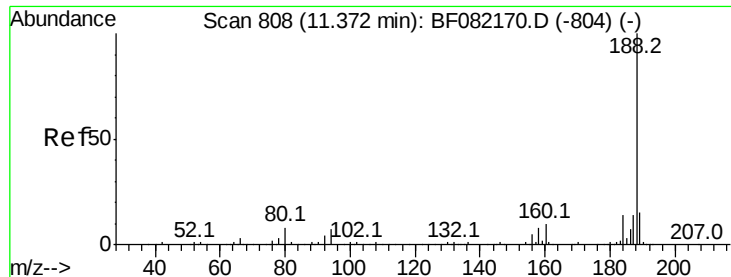
#44  
 2-Fluorobiphenyl  
 Concen: 97.30 ng  
 RT: 9.14 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Tgt Ion:172 Resp: 1326141  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 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

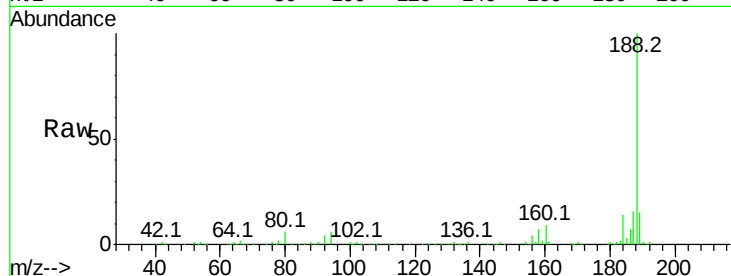




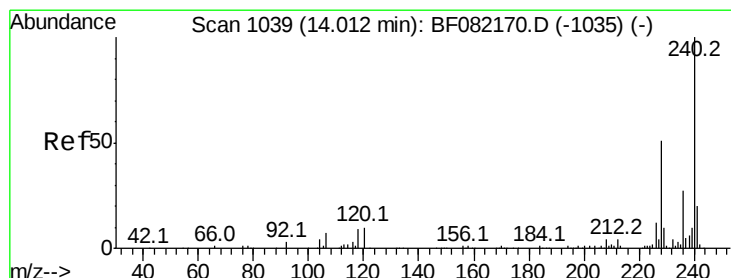
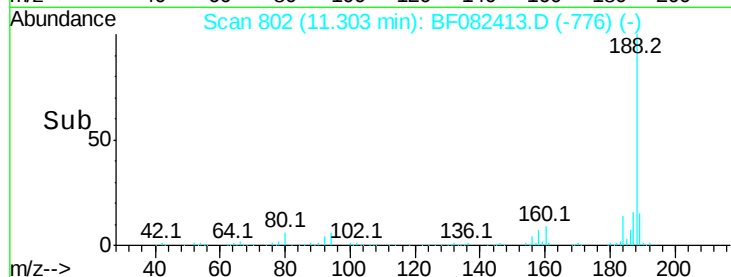
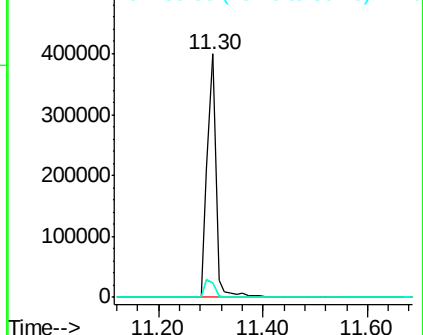
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Instrument :  
BNA\_F  
ClientSampled :  
S1

Tot Ion:188 Resp: 471880  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.8 8.6  
80 6.0 6.4 9.6#

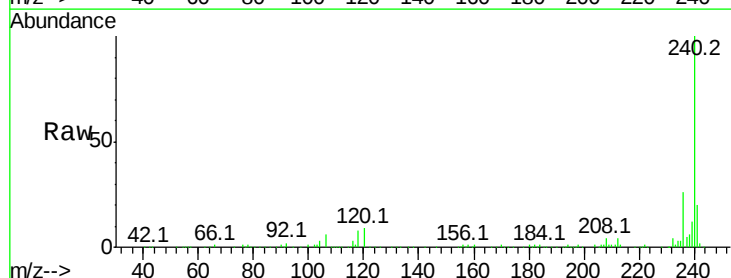


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

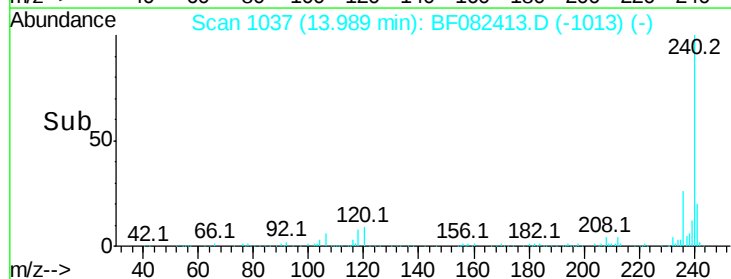
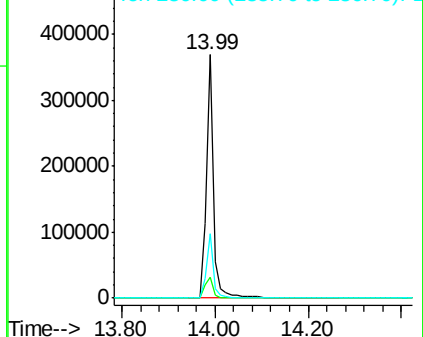


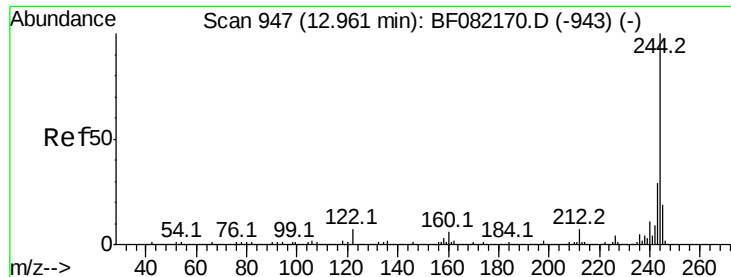
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.99 min Scan# 1037  
Delta R.T. -0.02 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Tgt Ion:240 Resp: 406931  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.1 12.1  
236 26.2 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

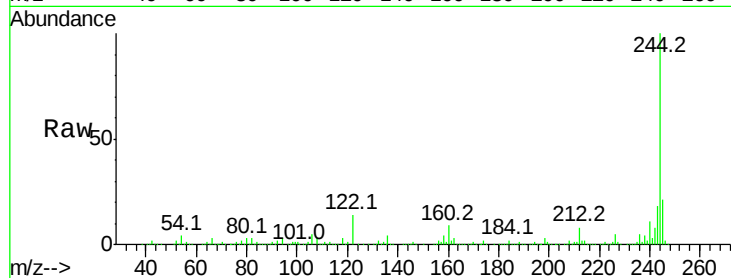




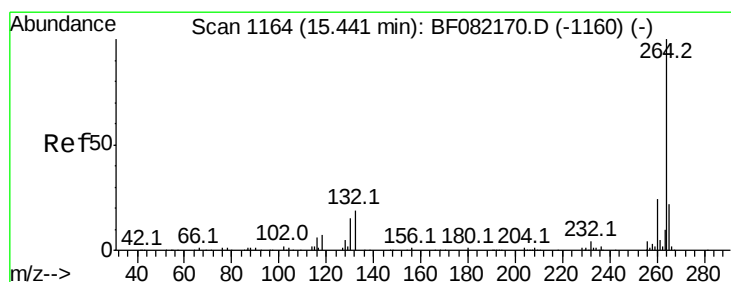
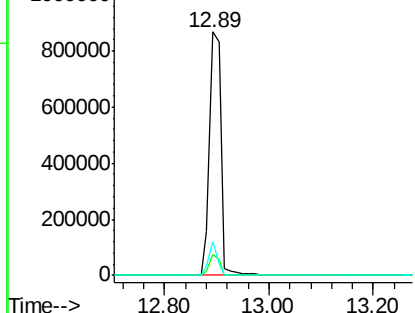
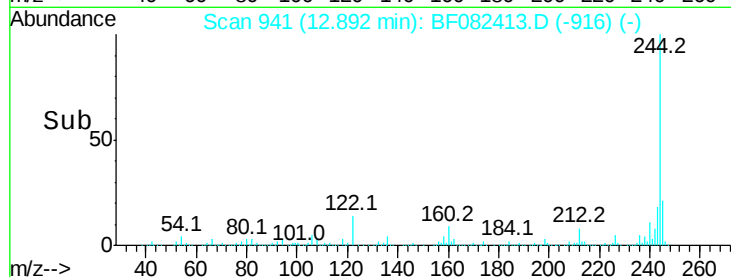
#78  
 Terphenyl-d14  
 Concen: 86.83 ng  
 RT: 12.89 min Scan# 941  
 Delta R.T. -0.01 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S1

Tot Ion:244 Resp: 1333344  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 5.8 8.6  
 122 13.9 5.9 8.9#

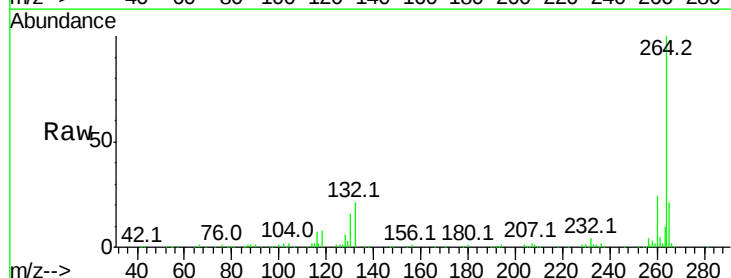


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Tgt Ion:264 Resp: 281347  
 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

