

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\  
 Data File : BF076962.D  
 Acq On : 20 Jan 2015 15:02  
 Operator : IZ / TP  
 Sample : PB81407BL  
 Misc : DOD W  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81407BL

Quant Time: Jan 21 00:19:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 20 23:48:18 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 30492    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.81 | 136  | 129958   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.95 | 164  | 71542    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.73 | 188  | 121202   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.24 | 240  | 119452   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.93 | 264  | 100443   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.96  | 112  | 239863   | 129.34 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 295149   | 126.16 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 185177   | 78.94  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 71108    | 122.45 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.48 | 172  | 372975   | 79.34  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.97 | 244  | 418604   | 80.68  | ng    | 0.00     |

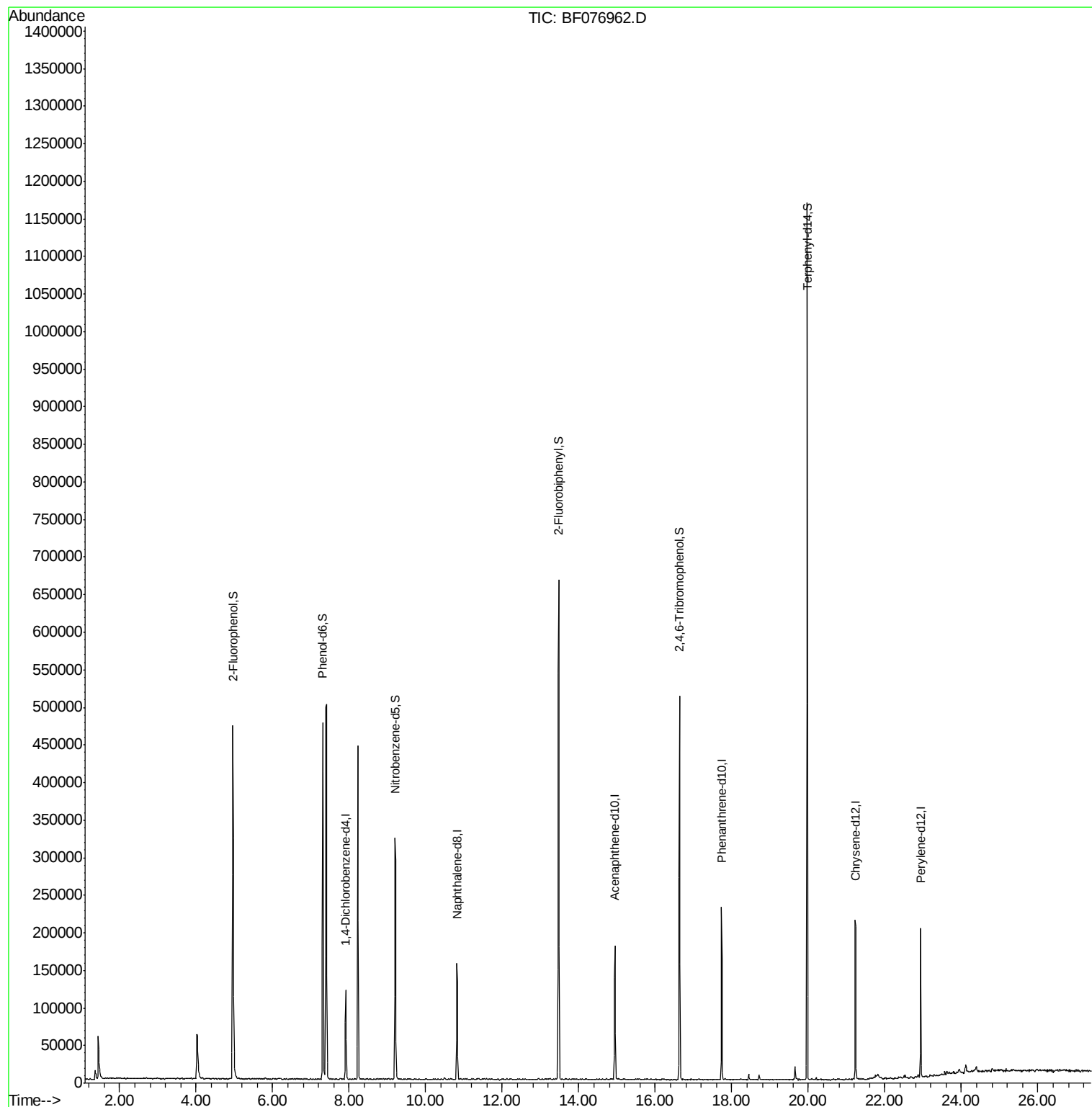
Target Compounds Qvalue

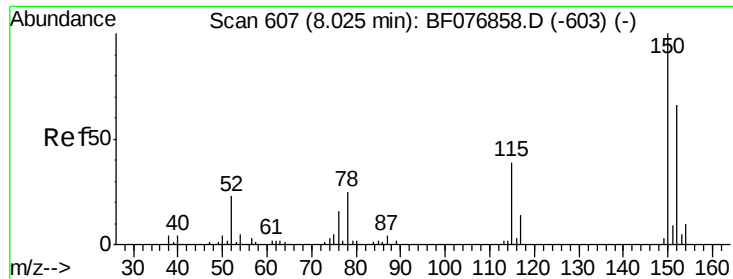
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\  
Data File : BF076962.D  
Acq On : 20 Jan 2015 15:02  
Operator : IZ / TP  
Sample : PB81407BL  
Misc : DOD W  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB81407BL

Quant Time: Jan 21 00:19:55 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 20 23:48:18 2015  
Response via : Initial Calibration



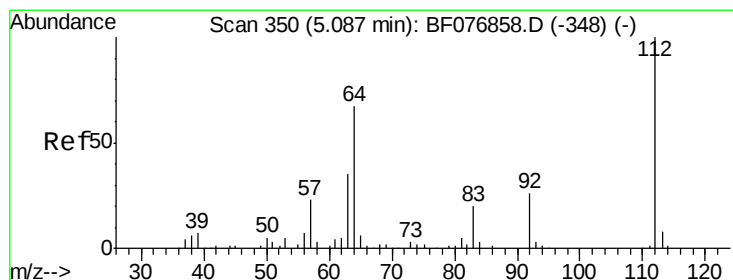
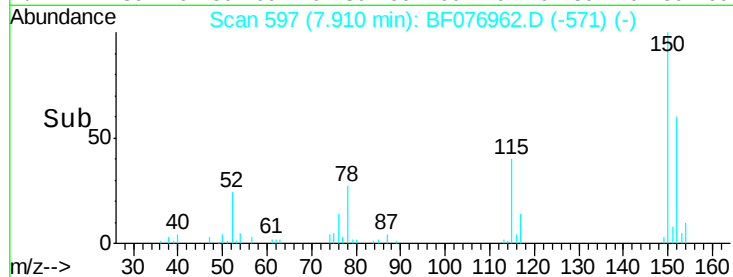
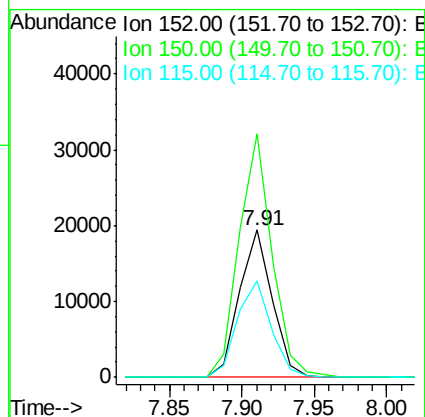
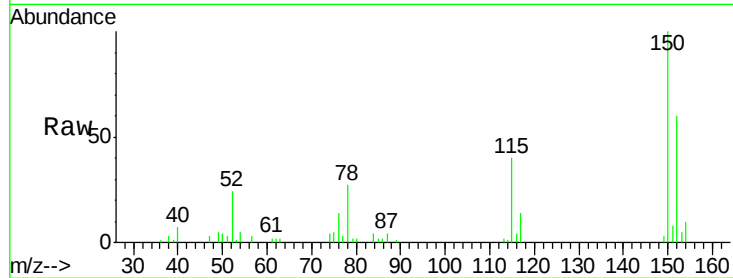


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.91 min Scan# 597  
Delta R.T. 0.00 min  
Lab File: BF076962.D  
Acq: 20 Jan 2015 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB81407BL

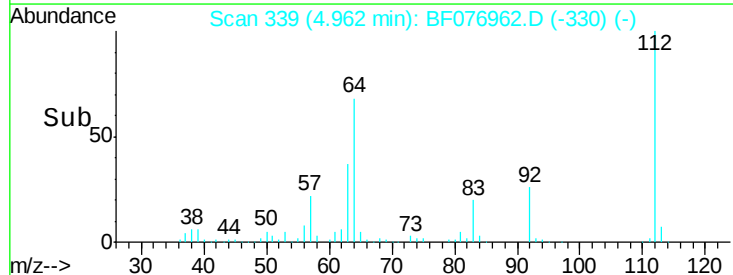
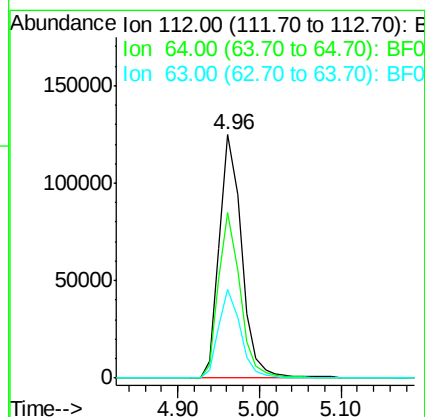
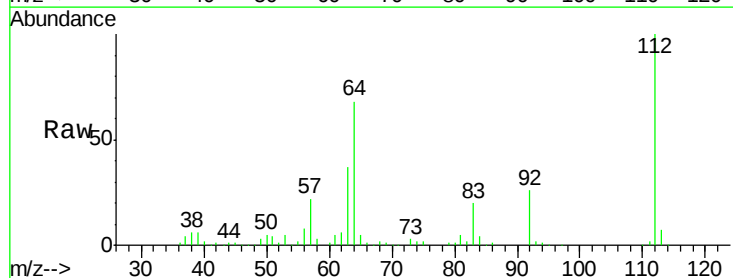
Tot Ion:152 Resp: 30492  
Ion Ratio Lower Upper  
152 100  
150 165.6 121.7 182.5  
115 65.7 47.0 70.6

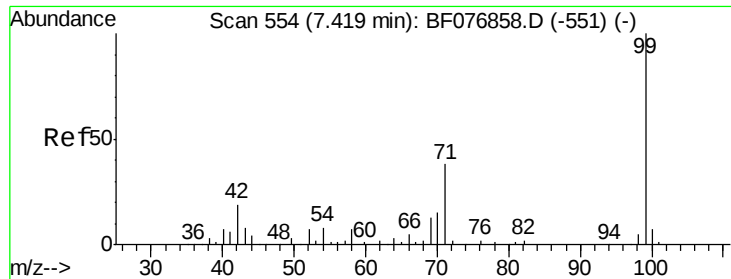


#5

2-Fluorophenol  
Concen: 129.34 ng  
RT: 4.96 min Scan# 339  
Delta R.T. 0.00 min  
Lab File: BF076962.D  
Acq: 20 Jan 2015 15:02

Tgt Ion:112 Resp: 239863  
Ion Ratio Lower Upper  
112 100  
64 67.8 54.2 81.4  
63 36.5 28.4 42.6





#7

Phenol-d6

Concen: 126.16 ng

RT: 7.30 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

PB81407BL

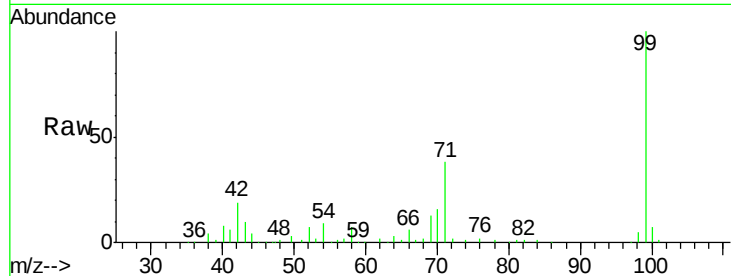
Tot Ion: 99 Resp: 295149

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

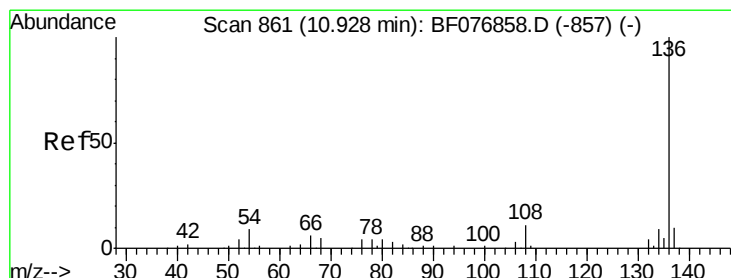
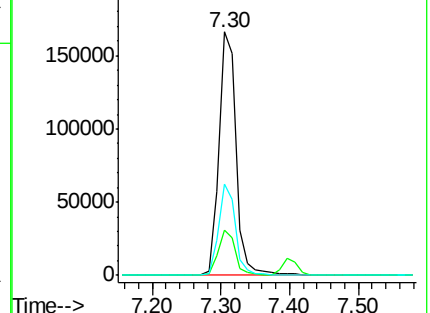
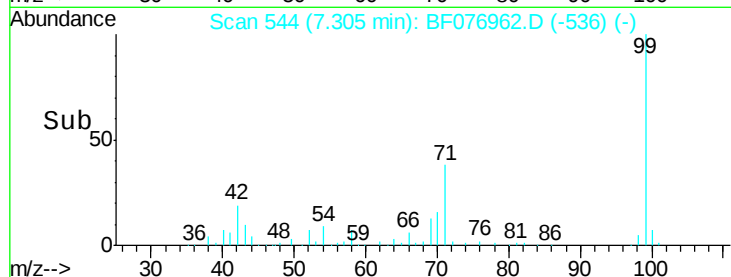
71 37.6 30.5 45.7



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: 10.81 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Tgt Ion: 136 Resp: 129958

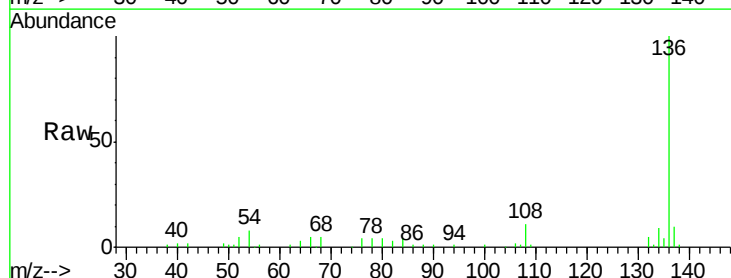
Ion Ratio Lower Upper

136 100

137 10.4 8.1 12.1

54 7.9 7.0 10.4

68 5.0 3.7 5.5

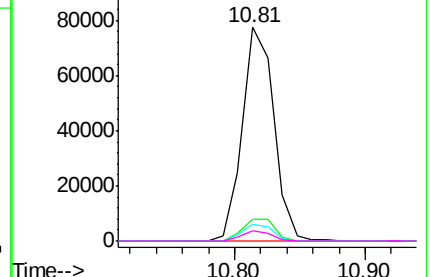
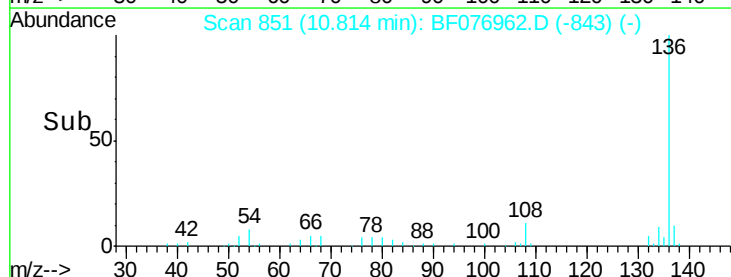


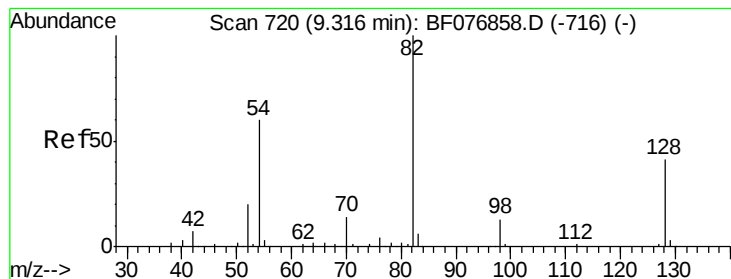
Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.94 ng

RT: 9.20 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA\_F

ClientSampleID :

PB81407BL

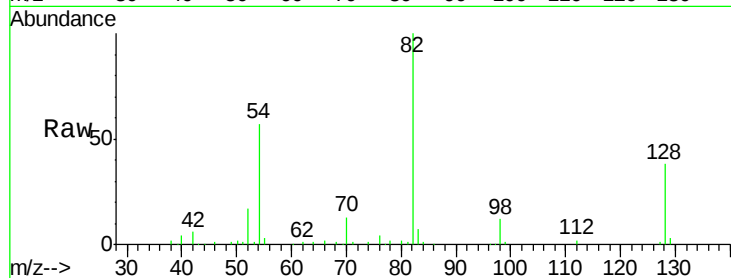
Tot Ion: 82 Resp: 185177

Ion Ratio Lower Upper

82 100

128 37.7 33.1 49.7

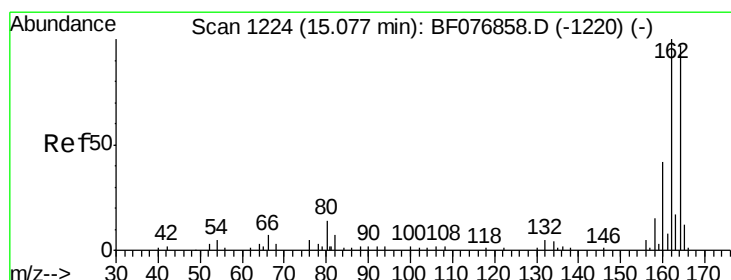
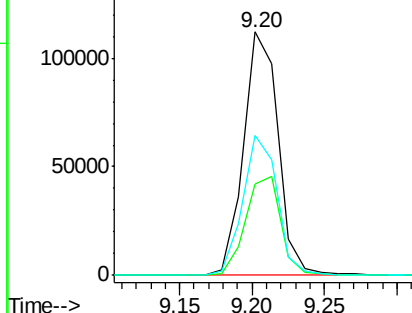
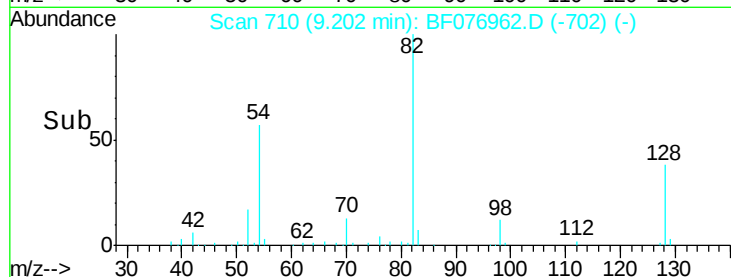
54 57.2 48.3 72.5



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.95 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

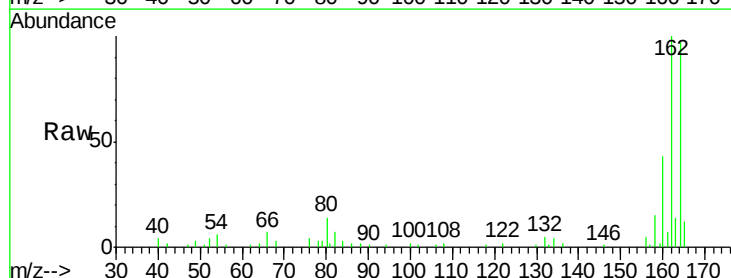
Tgt Ion:164 Resp: 71542

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

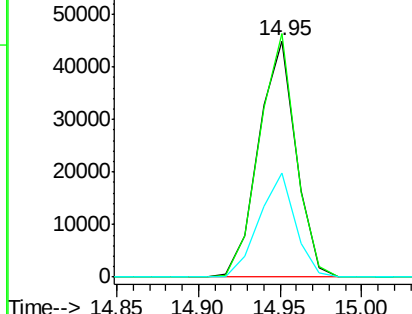
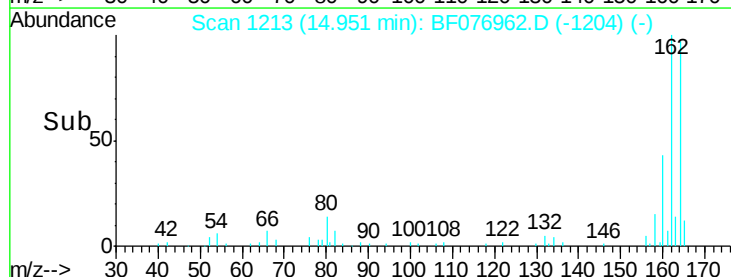
160 44.2 34.8 52.2

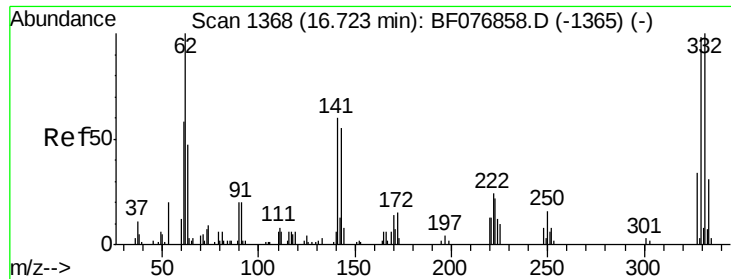


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 122.45 ng

RT: 16.63 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

PB81407BL

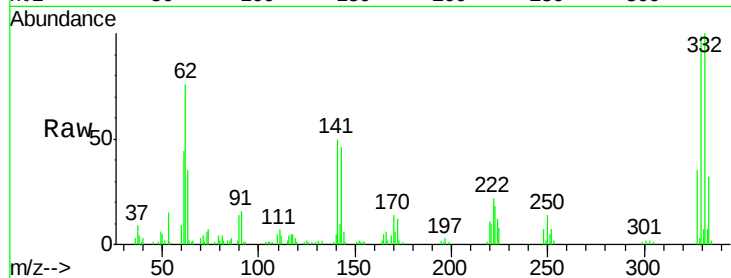
Tot Ion:330 Resp: 71108

Ion Ratio Lower Upper

330 100

332 98.6 77.8 116.6

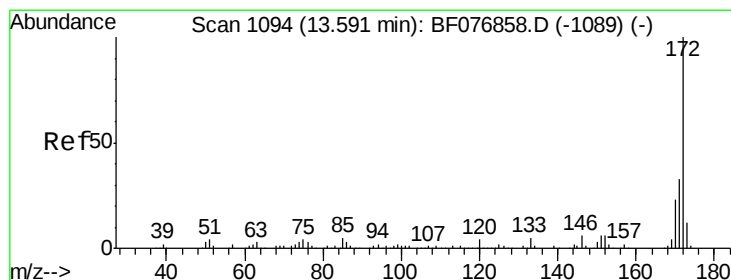
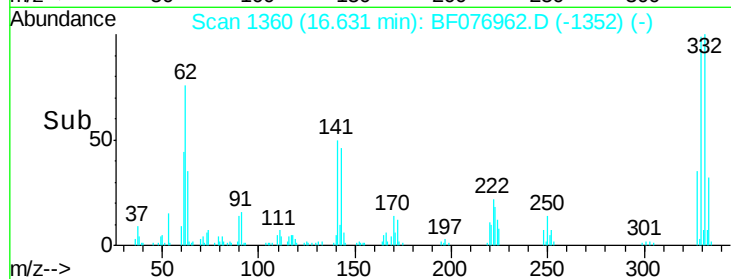
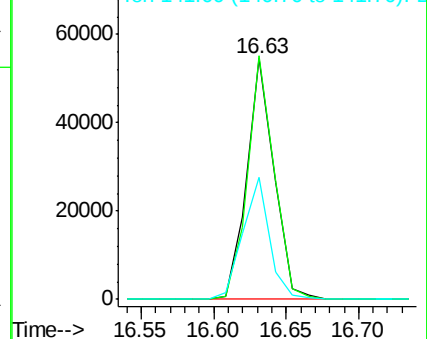
141 49.8 38.5 57.7



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: 79.34 ng

RT: 13.48 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

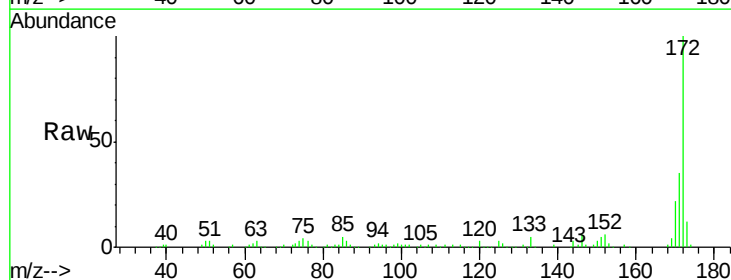
Tgt Ion:172 Resp: 372975

Ion Ratio Lower Upper

172 100

171 35.2 26.6 40.0

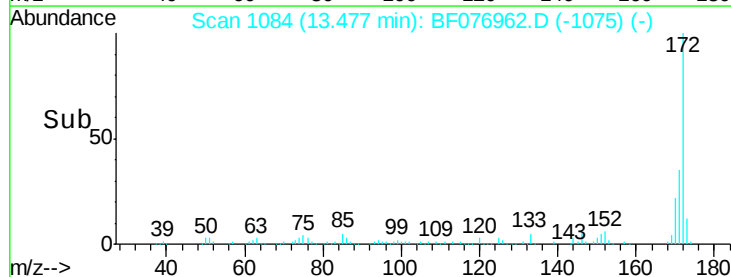
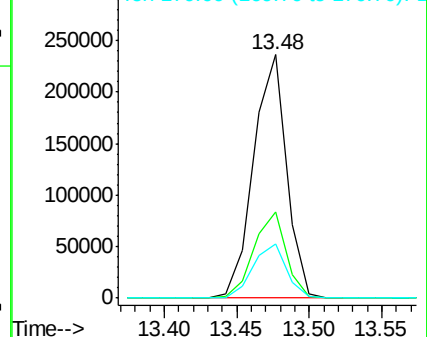
170 22.3 18.0 27.0

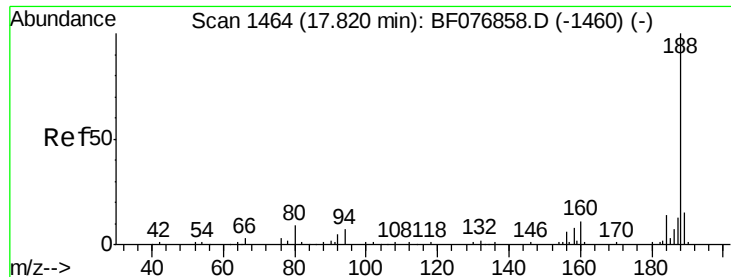


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

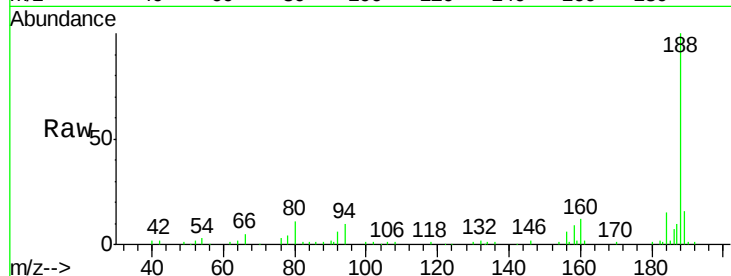




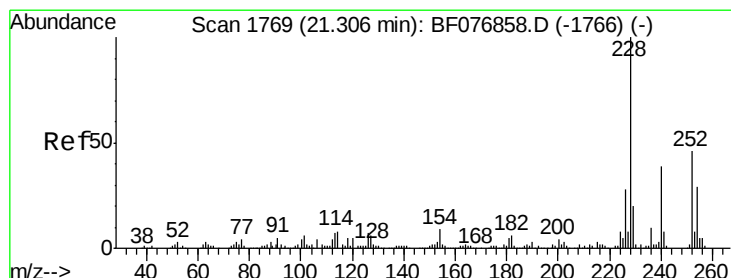
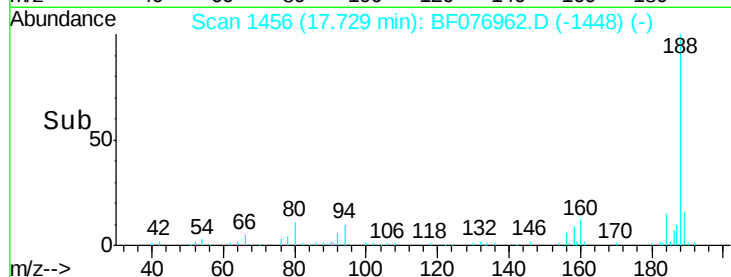
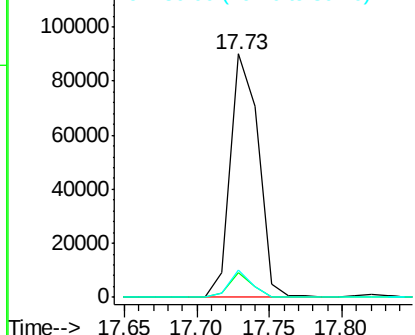
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.73 min Scan# 1456  
Delta R.T. -0.01 min  
Lab File: BF076962.D  
Acq: 20 Jan 2015 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB81407BL

Tot Ion:188 Resp: 121202  
Ion Ratio Lower Upper  
188 100  
94 10.1 6.0 9.0#  
80 11.4 6.9 10.3#

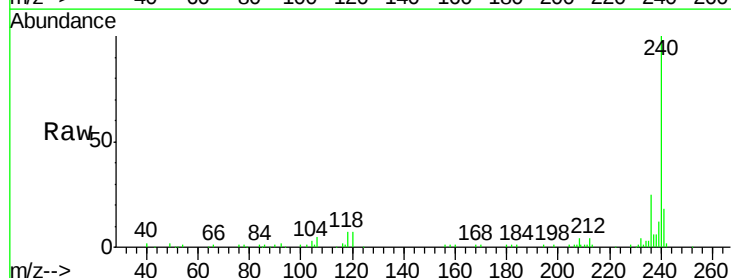


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

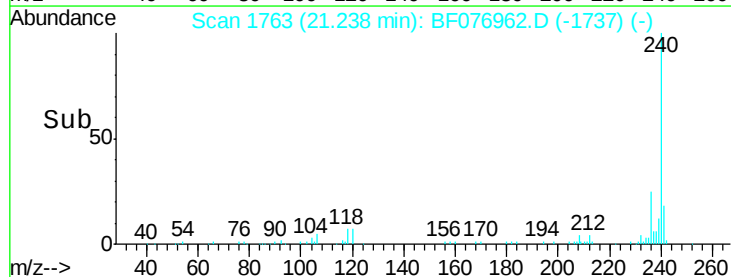
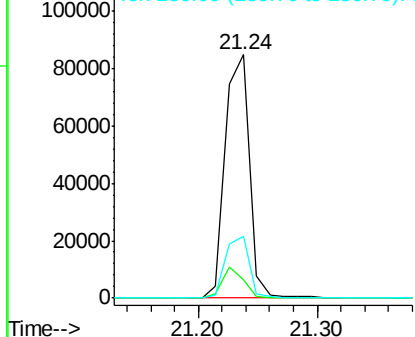


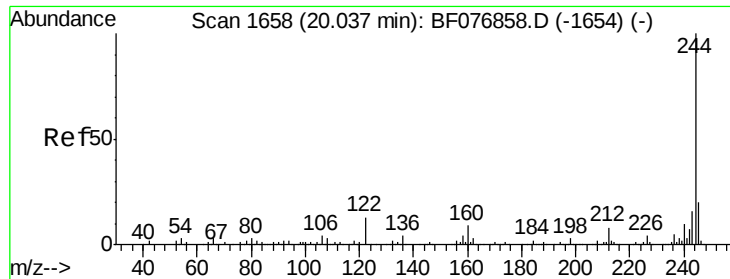
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.24 min Scan# 1763  
Delta R.T. 0.00 min  
Lab File: BF076962.D  
Acq: 20 Jan 2015 15:02

Tgt Ion:240 Resp: 119452  
Ion Ratio Lower Upper  
240 100  
120 7.4 10.4 15.6#  
236 25.3 20.2 30.2



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: 80.68 ng

RT: 19.97 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

PB81407BL

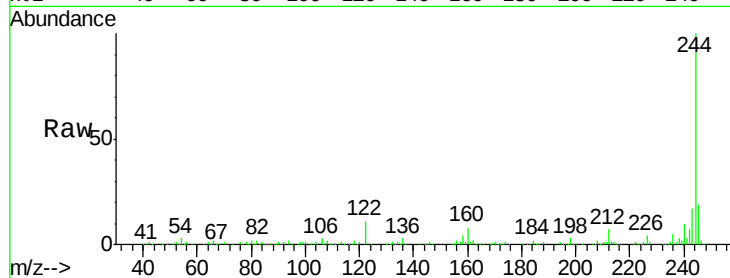
Tot Ion:244 Resp: 418604

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

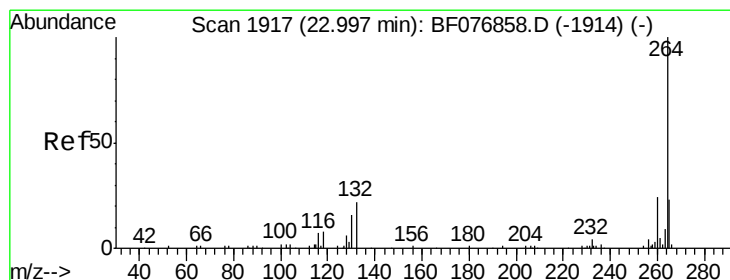
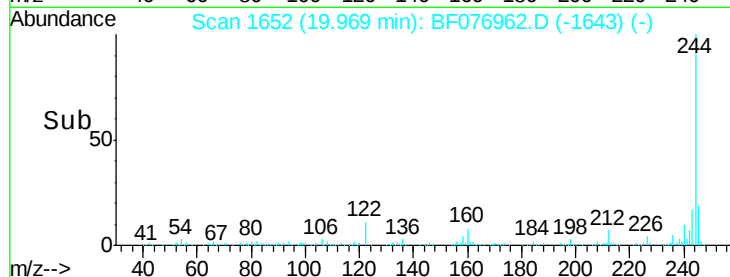
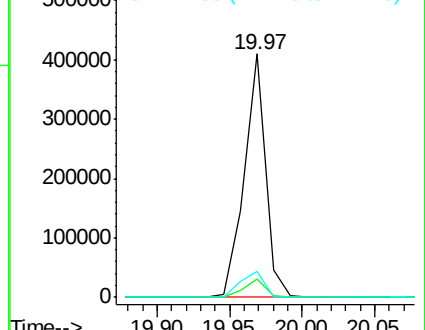
122 10.6 10.1 15.1



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: 22.93 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BF076962.D

Acq: 20 Jan 2015 15:02

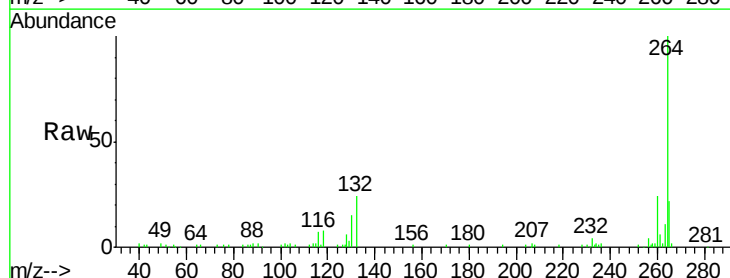
Tgt Ion:264 Resp: 100443

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 21.8 18.1 27.1



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

