

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123114\  
 Data File : BF076711.D  
 Acq On : 31 Dec 2014 19:50  
 Operator : IZ / TP  
 Sample : PB81154BL  
 Misc : W  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81154BL

Quant Time: Jan 01 01:11:39 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 31 23:59:08 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 37446    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 161134   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.45 | 164  | 86765    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.25 | 188  | 152777   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.49 | 240  | 146979   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 17.12 | 264  | 130593   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.90  | 112  | 300766   | 136.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 389556   | 144.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 242807   | 89.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.42 | 330  | 98445    | 134.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.65  | 172  | 474493   | 85.10  | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.24 | 244  | 517128   | 77.61  | ng    | -0.01    |

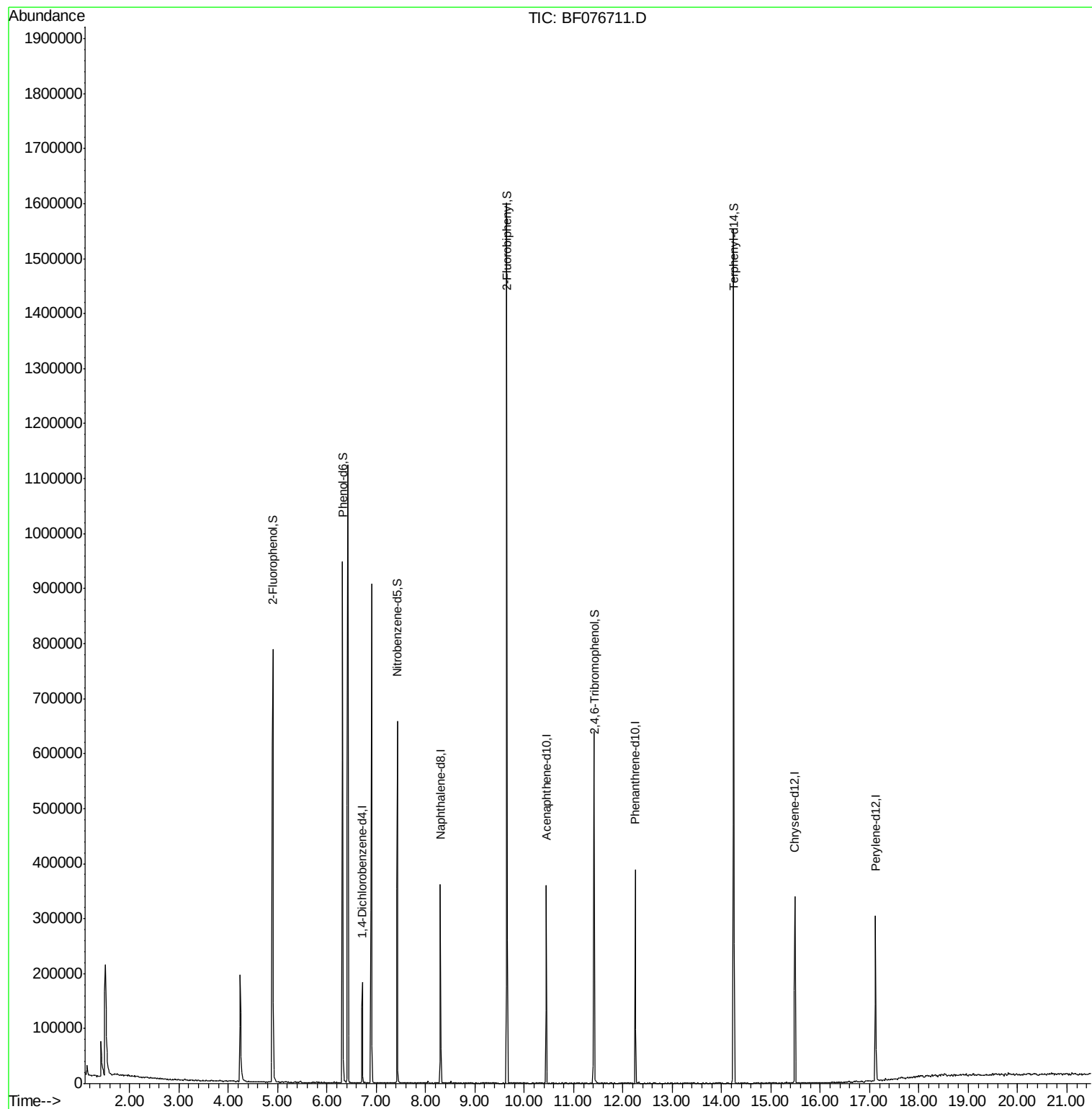
Target Compounds Qvalue

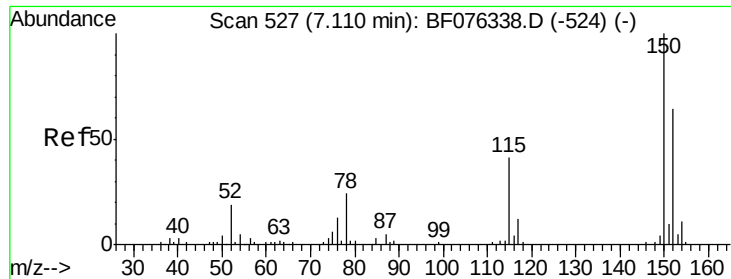
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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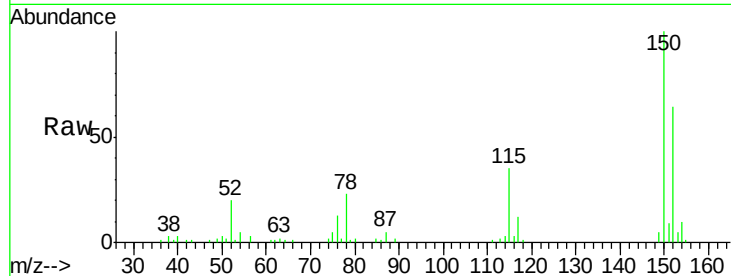


#1

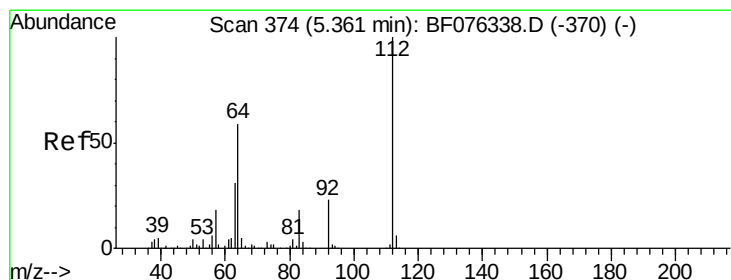
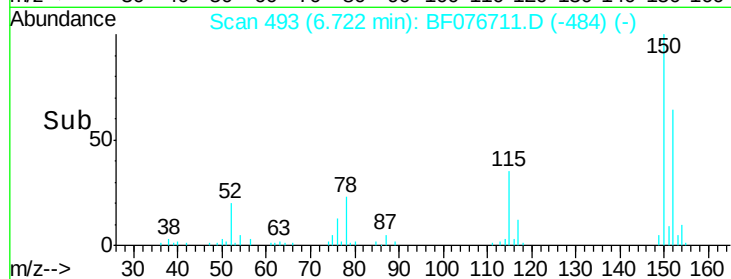
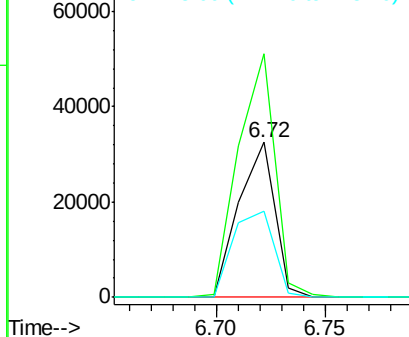
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.72 min Scan# 493  
Delta R.T. -0.00 min  
Lab File: BF076711.D  
Acq: 31 Dec 2014 19:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB81154BL

Tot Ion:152 Resp: 37446  
Ion Ratio Lower Upper  
152 100  
150 157.1 125.2 187.8  
115 55.3 51.4 77.0



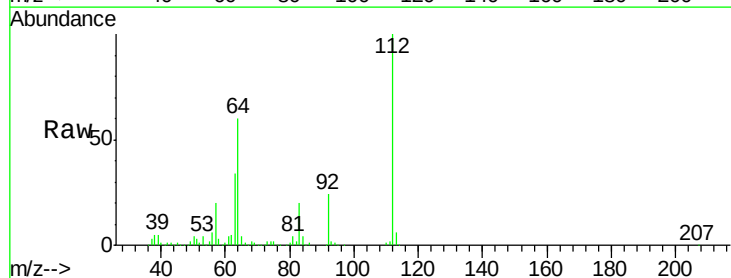
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



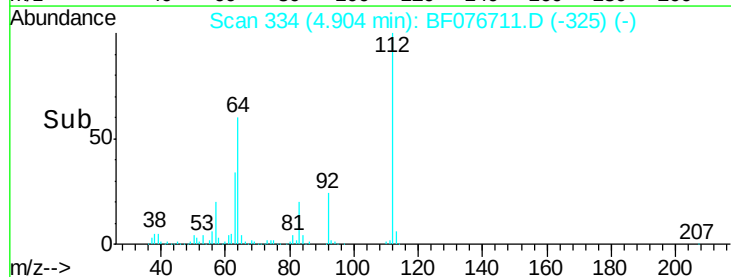
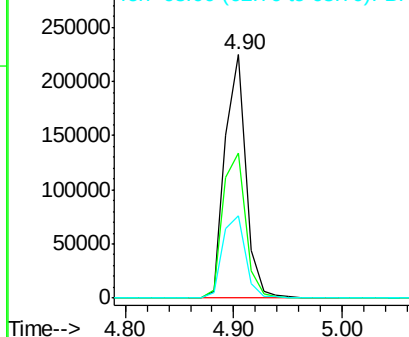
#5

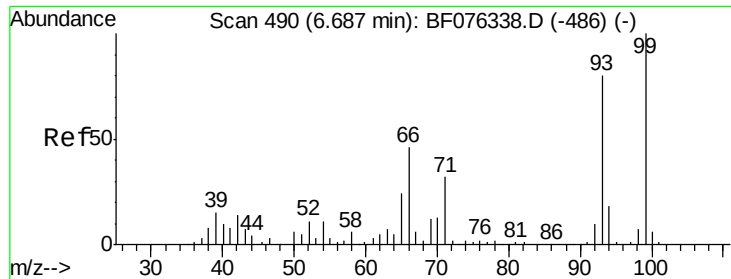
2-Fluorophenol  
Concen: 136.17 ng  
RT: 4.90 min Scan# 334  
Delta R.T. -0.00 min  
Lab File: BF076711.D  
Acq: 31 Dec 2014 19:50

Tgt Ion:112 Resp: 300766  
Ion Ratio Lower Upper  
112 100  
64 59.6 47.4 71.0  
63 33.7 25.0 37.4



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: 144.40 ng

RT: 6.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF076711.D

Acq: 31 Dec 2014 19:50

Instrument :

BNA\_F

ClientSampleId :

PB81154BL

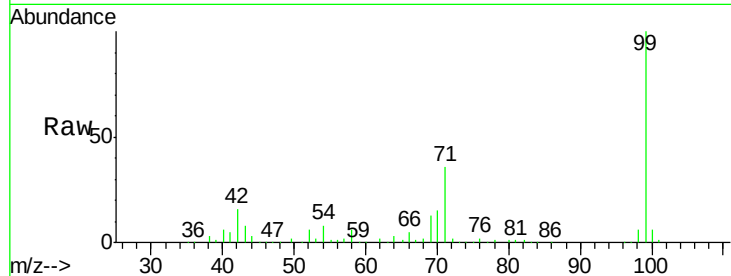
Tot Ion: 99 Resp: 389556

Ion Ratio Lower Upper

99 100

42 15.7 11.6 17.4

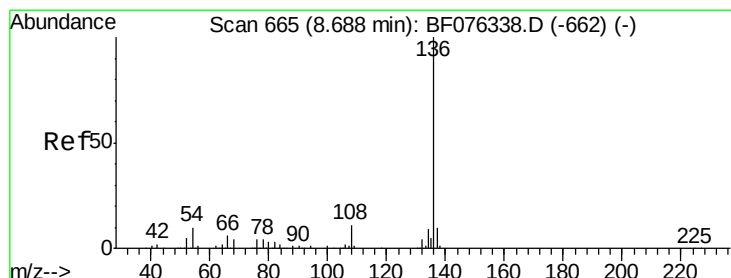
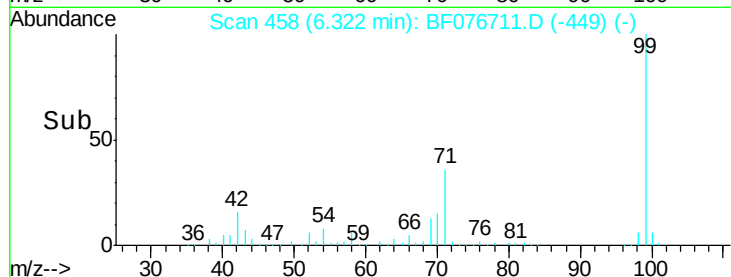
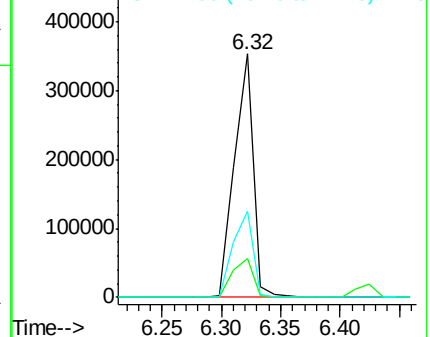
71 35.5 25.9 38.9



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: 8.30 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF076711.D

Acq: 31 Dec 2014 19:50

Tgt Ion: 136 Resp: 161134

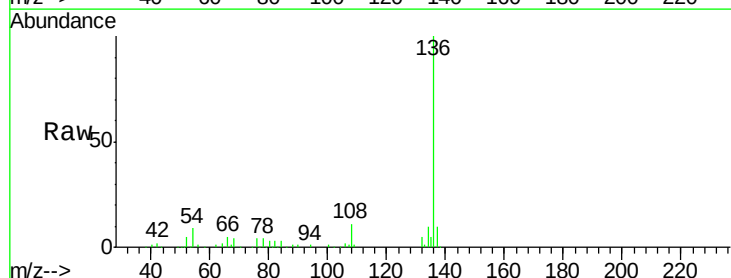
Ion Ratio Lower Upper

136 100

137 10.1 8.4 12.6

54 8.6 7.8 11.6

68 4.3 3.4 5.2

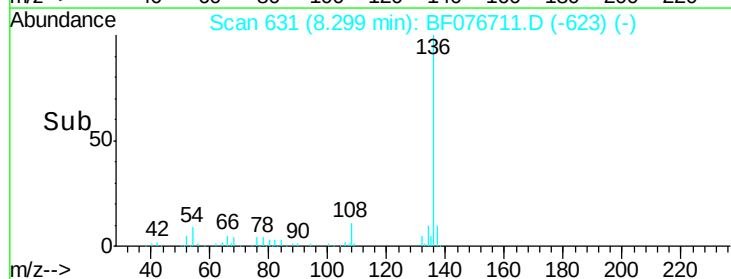
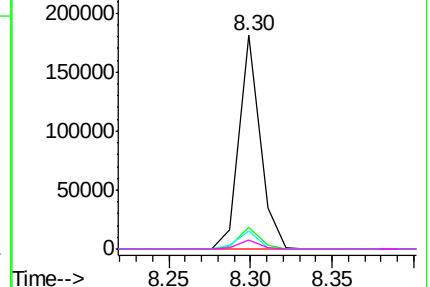


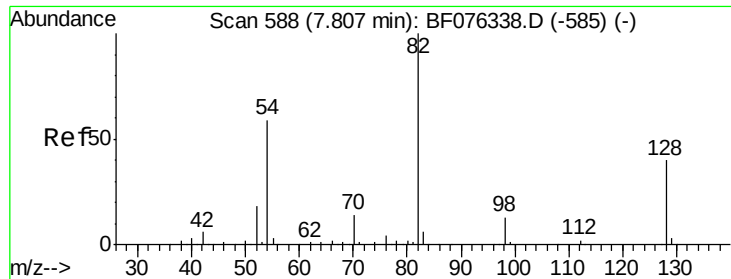
Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.62 ng

RT: 7.43 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF076711.D

Acq: 31 Dec 2014 19:50

Instrument :

BNA\_F

ClientSampleId :

PB81154BL

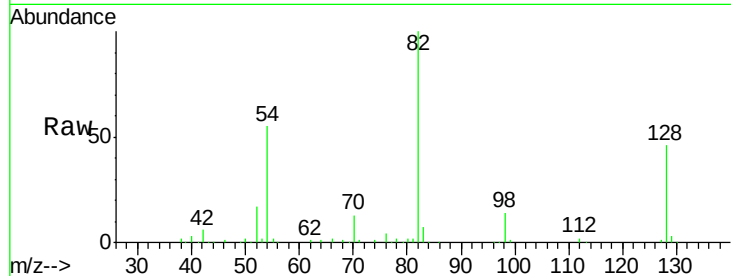
Tot Ion: 82 Resp: 242807

Ion Ratio Lower Upper

82 100

128 46.4 31.9 47.9

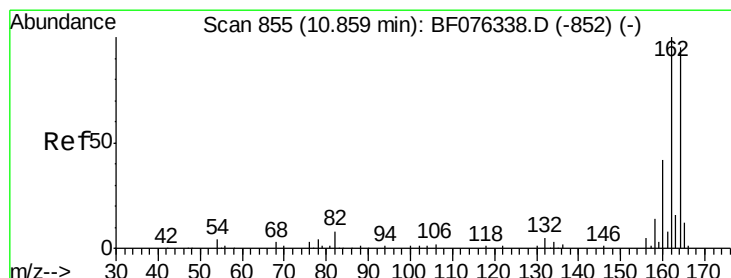
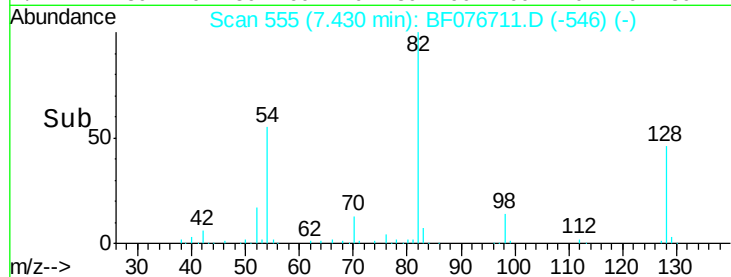
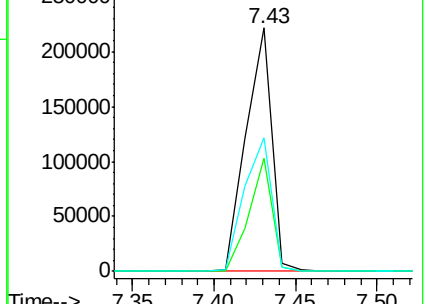
54 55.0 47.2 70.8



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: 10.45 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF076711.D

Acq: 31 Dec 2014 19:50

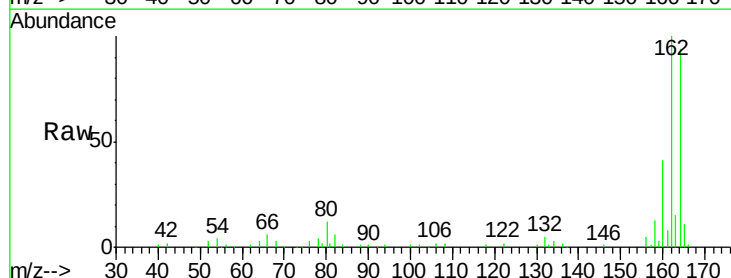
Tgt Ion: 164 Resp: 86765

Ion Ratio Lower Upper

164 100

162 106.5 84.2 126.2

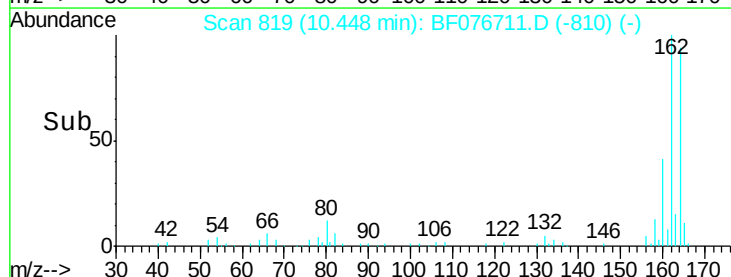
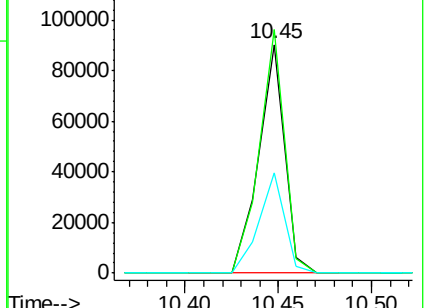
160 43.9 35.5 53.3

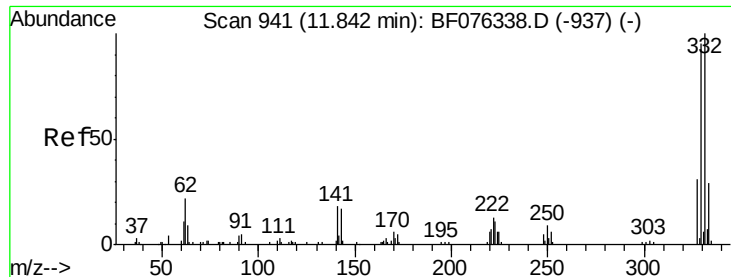


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

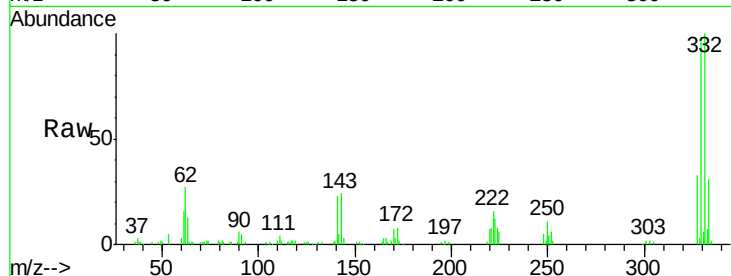




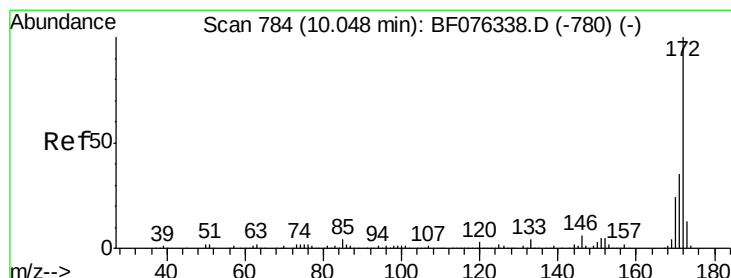
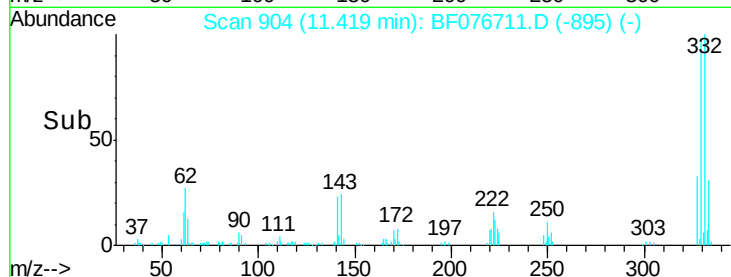
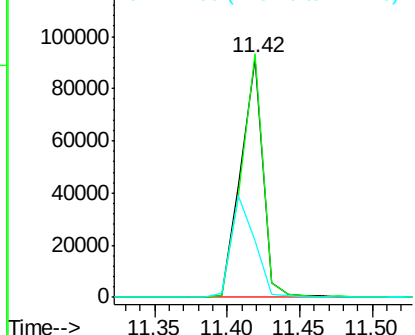
#41  
 2,4,6-Tribromophenol  
 Concen: 134.25 ng  
 RT: 11.42 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81154BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 0.0   | 0.0#  |
| 141     | 44.9  | 0.0   | 0.0#  |

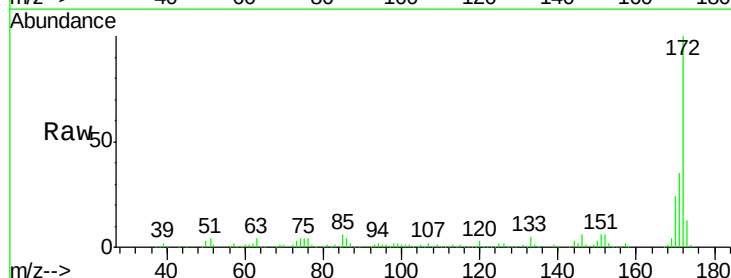


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

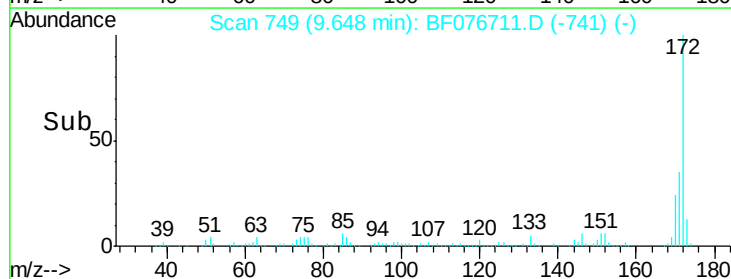
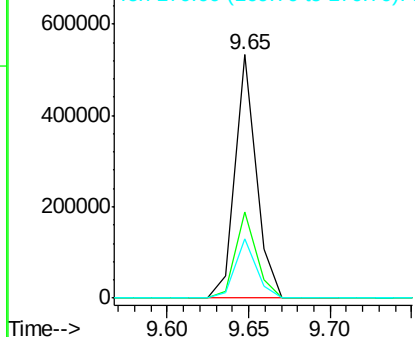


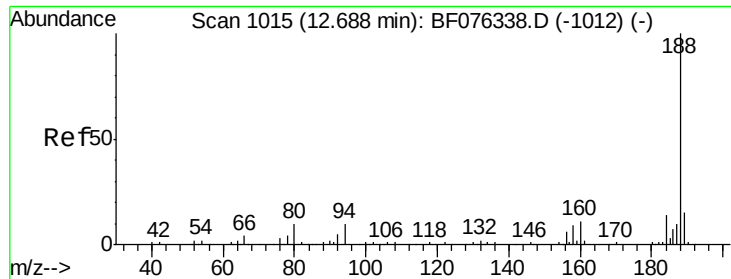
#44  
 2-Fluorobiphenyl  
 Concen: 85.10 ng  
 RT: 9.65 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 27.8  | 41.8  |
| 170     | 24.3  | 19.0  | 28.4  |



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

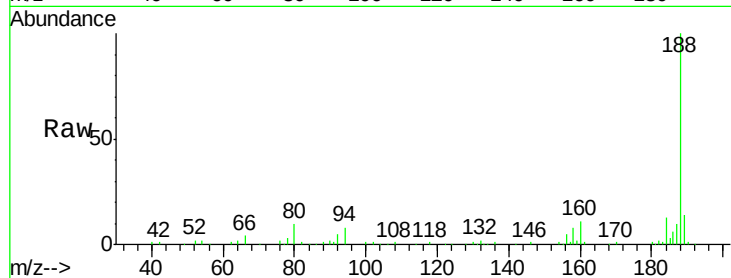




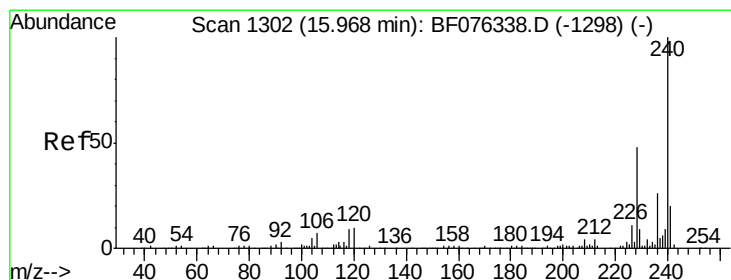
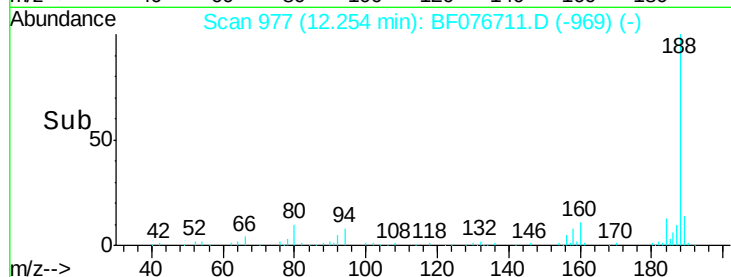
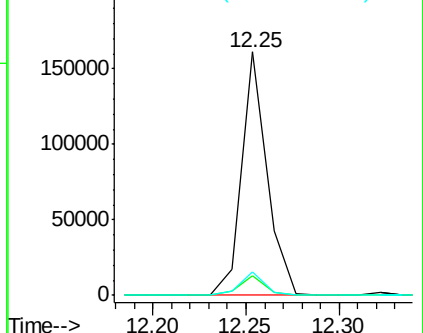
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.25 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81154BL

Tot Ion:188 Resp: 152777  
 Ion Ratio Lower Upper  
 188 100  
 94 8.0 7.9 11.9  
 80 9.9 8.2 12.2

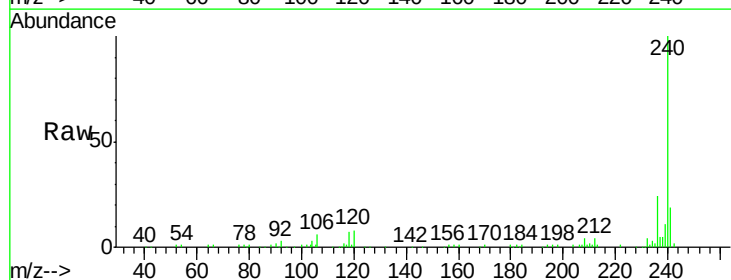


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

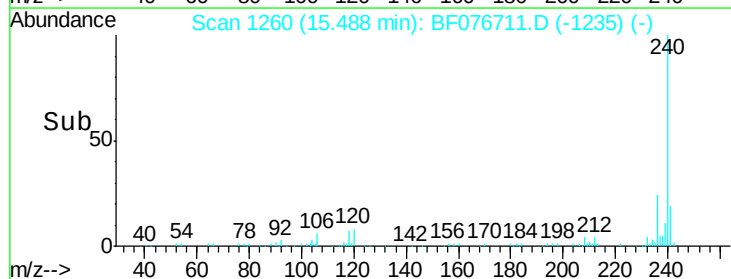
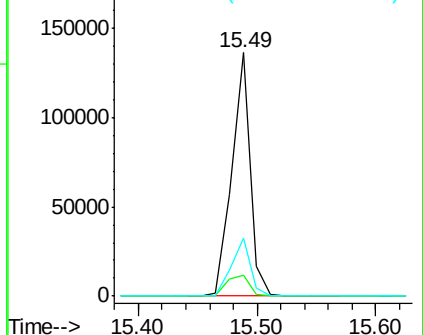


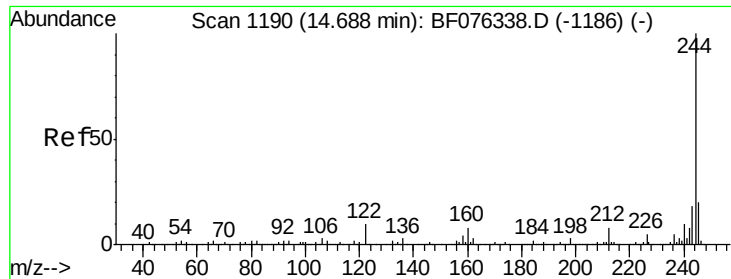
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

Tgt Ion:240 Resp: 146979  
 Ion Ratio Lower Upper  
 240 100  
 120 8.3 8.0 12.0  
 236 23.8 20.6 30.8



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

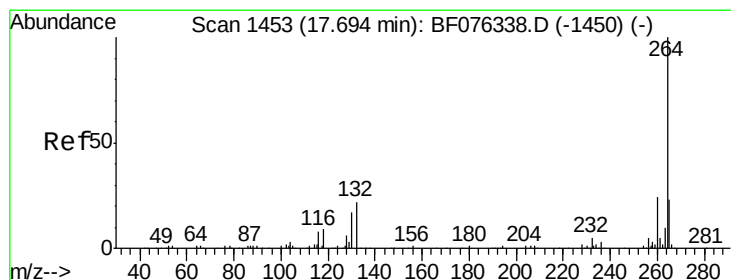
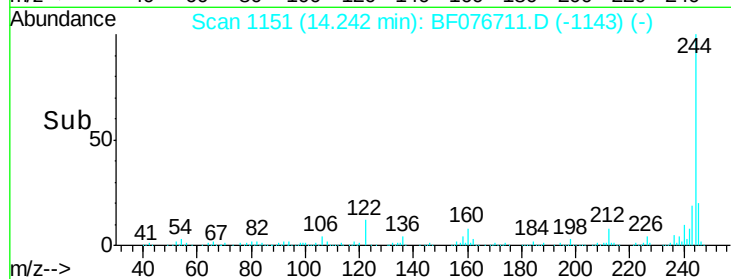
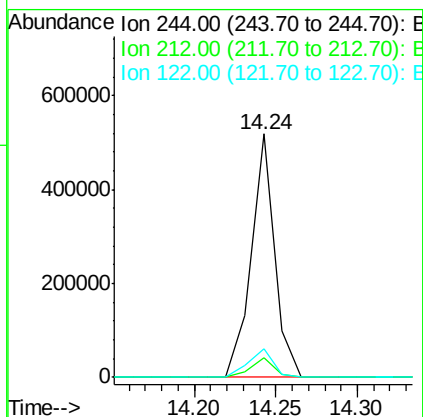
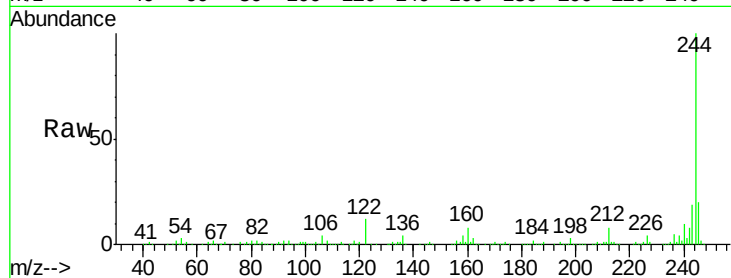




#78  
 Terphenyl-d14  
 Concen: 77.61 ng  
 RT: 14.24 min Scan# 1151  
 Delta R.T. -0.01 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

Instrument :  
 BNA\_F  
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 PB81154BL

Tot Ion:244 Resp: 517128  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.2 9.2  
 122 11.6 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.12 min Scan# 1403  
 Delta R.T. -0.07 min  
 Lab File: BF076711.D  
 Acq: 31 Dec 2014 19:50

Tgt Ion:264 Resp: 130593  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 19.4 29.2  
 265 21.3 18.1 27.1

