

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040315\  
 Data File : BF078242.D  
 Acq On : 3 Apr 2015 15:20  
 Operator : TP/IZ  
 Sample : G1710-04  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-20

Quant Time: Apr 03 23:57:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 03 23:29:56 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 41781    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.56  | 136  | 171968   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.72 | 164  | 85355    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.56 | 188  | 169242   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.81 | 240  | 180979   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 17.53 | 264  | 171416   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 127105   | 50.16  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 91242    | 28.73  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.68  | 82   | 238200   | 83.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.70 | 330  | 95124    | 134.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.90  | 172  | 509037   | 85.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.55 | 244  | 578125   | 72.18  | ng    | 0.00     |

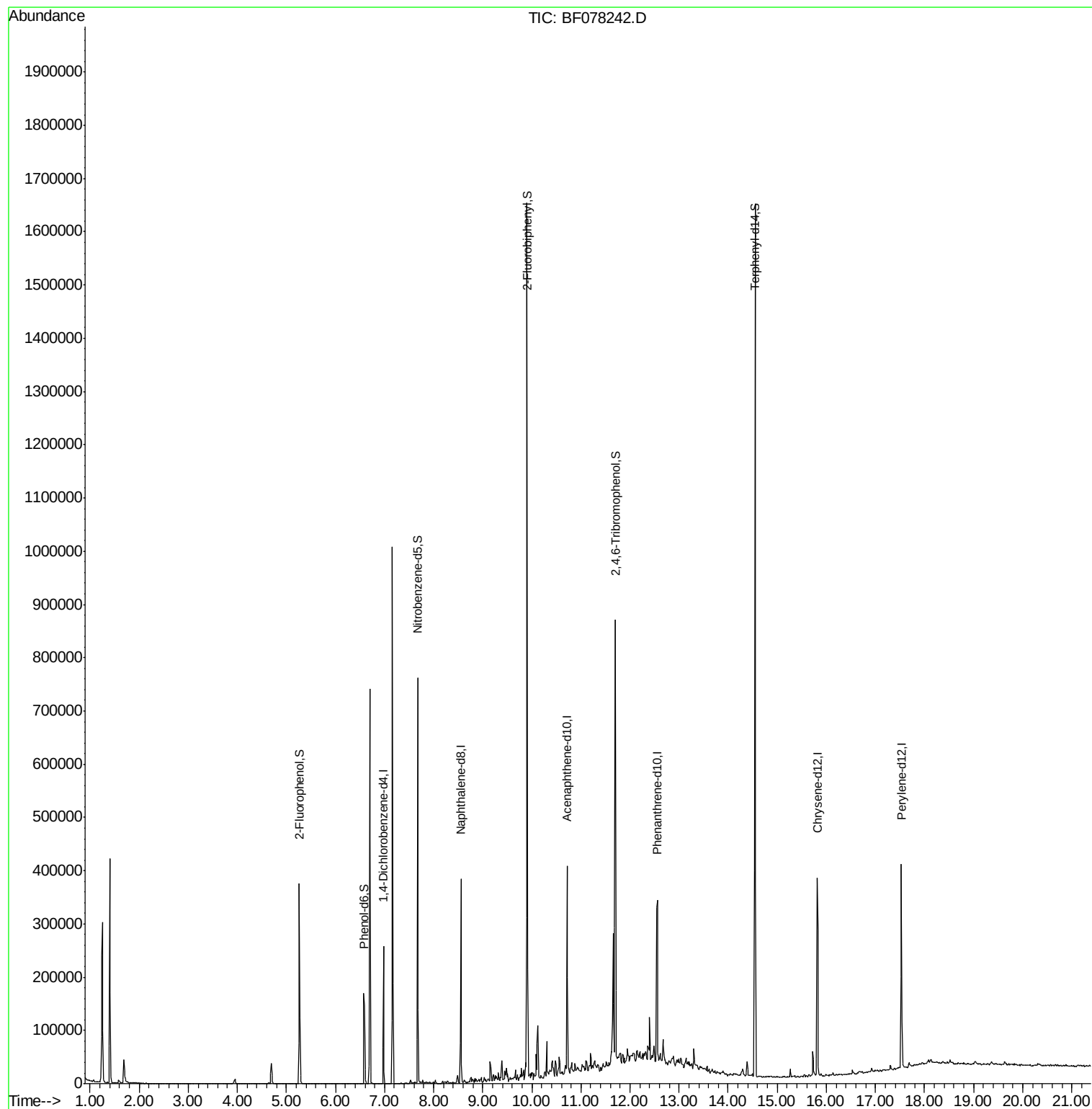
Target Compounds Qvalue

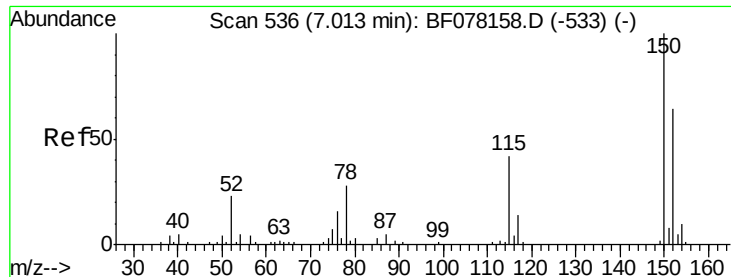
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040315\  
Data File : BF078242.D  
Acq On : 3 Apr 2015 15:20  
Operator : TP/IZ  
Sample : G1710-04  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-20

Quant Time: Apr 03 23:57:47 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 03 23:29:56 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

Instrument :

BNA\_F

ClientSampled :

W-20

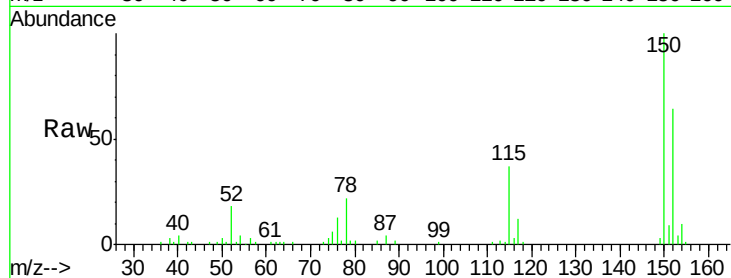
Tot Ion:152 Resp: 41781

Ion Ratio Lower Upper

152 100

150 155.8 125.9 188.9

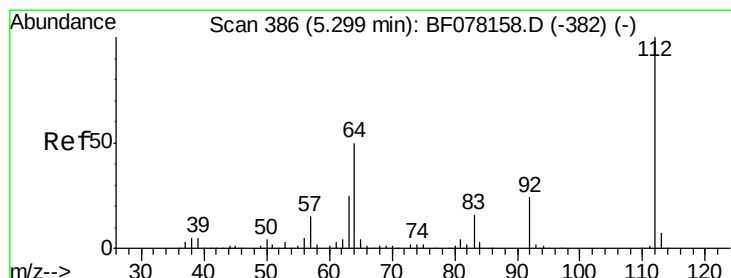
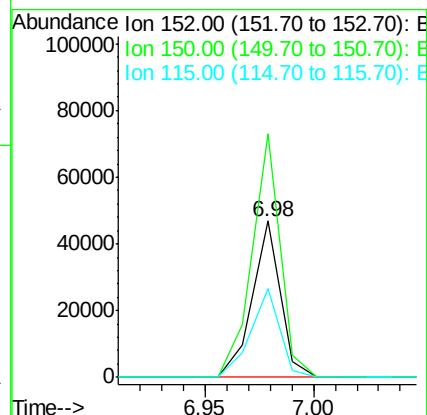
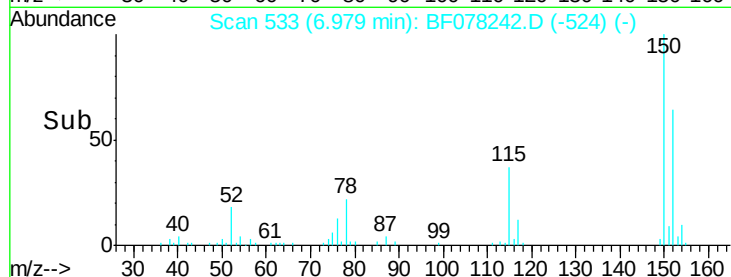
115 57.2 52.7 79.1



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: 50.16 ng

RT: 5.26 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

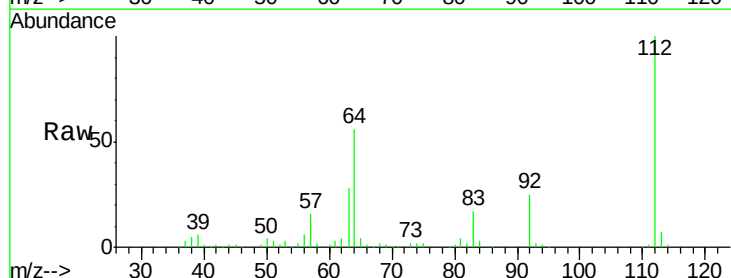
Tgt Ion:112 Resp: 127105

Ion Ratio Lower Upper

112 100

64 55.8 39.9 59.9

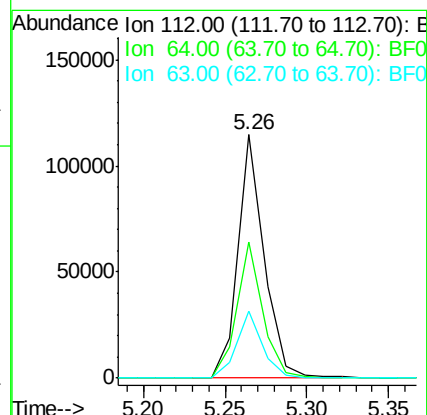
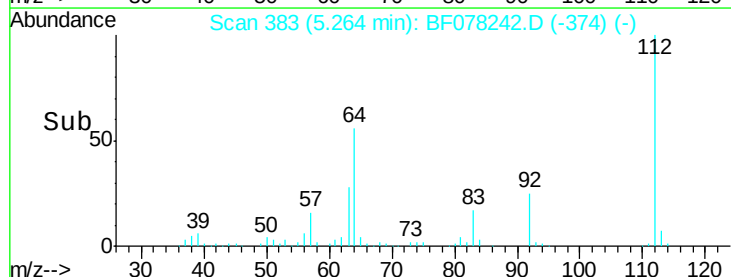
63 27.7 20.2 30.4

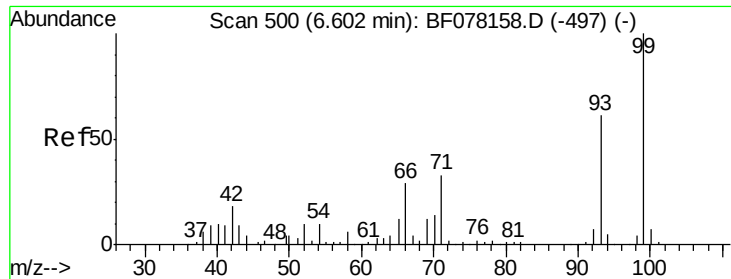


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.73 ng

RT: 6.58 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

Instrument :

BNA\_F

ClientSampleId :

W-20

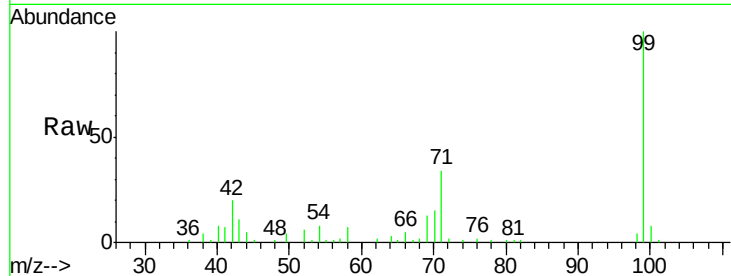
Tot Ion: 99 Resp: 91242

Ion Ratio Lower Upper

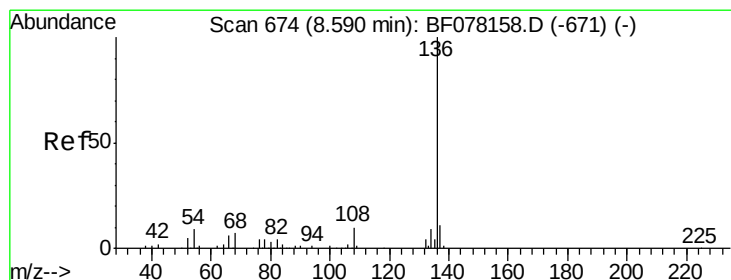
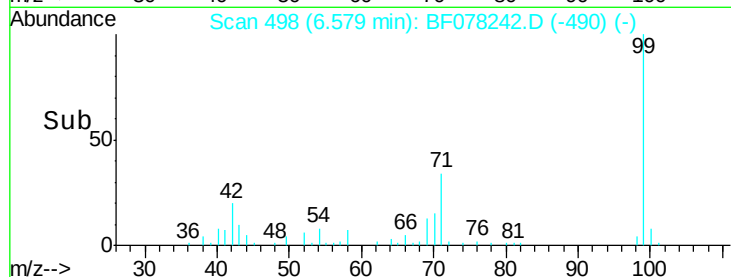
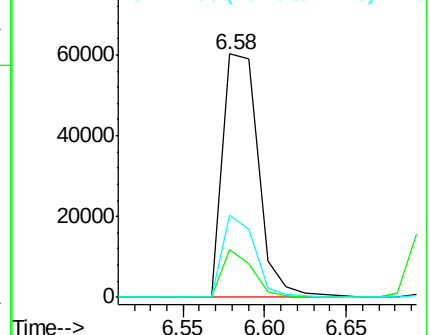
99 100

42 19.7 14.8 22.2

71 33.7 26.6 39.8



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: 8.56 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

Tgt Ion: 136 Resp: 171968

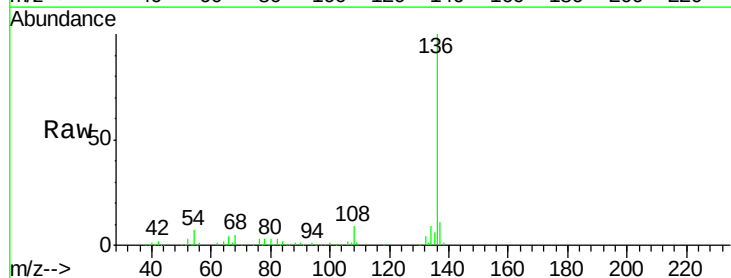
Ion Ratio Lower Upper

136 100

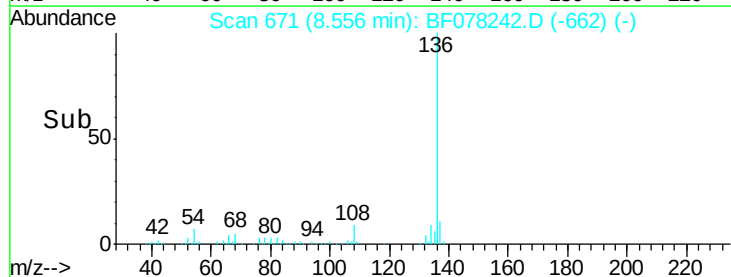
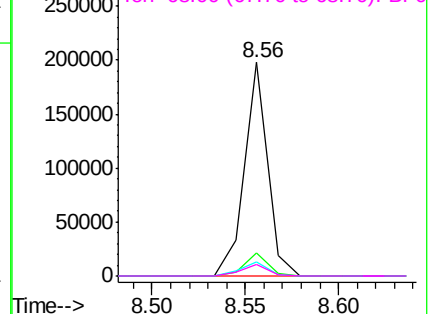
137 10.6 9.0 13.4

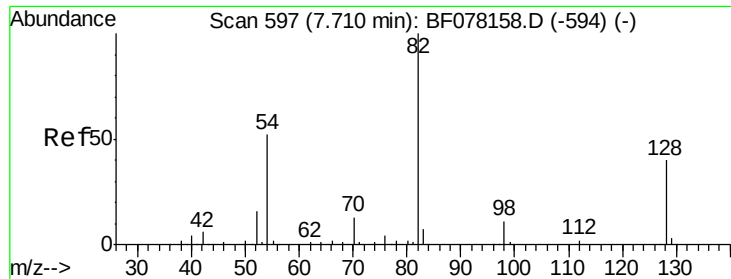
54 6.5 7.0 10.6#

68 5.4 5.4 8.2#



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

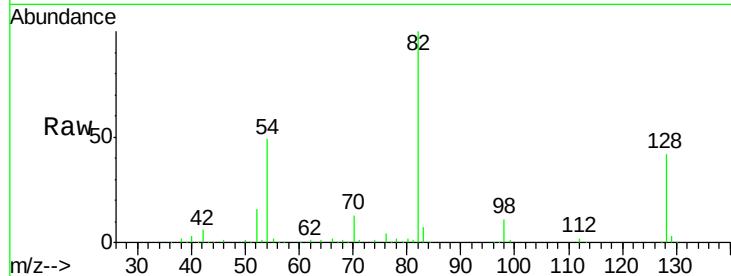




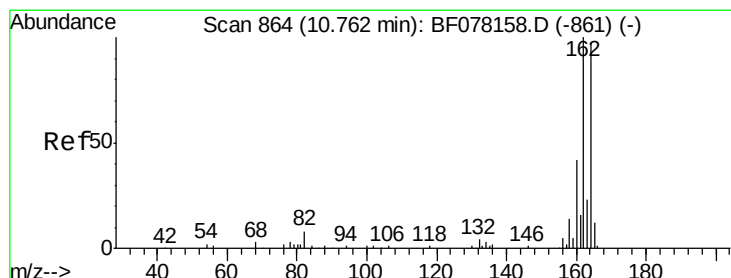
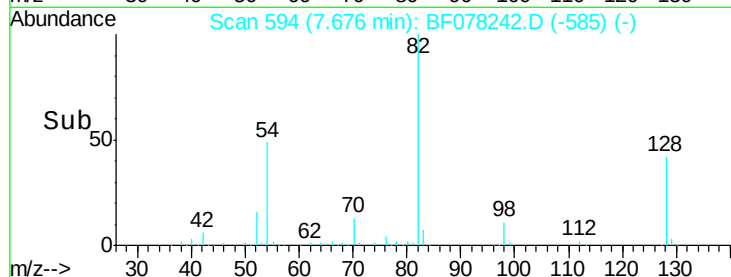
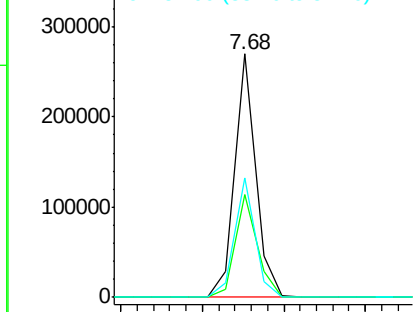
#23  
 Nitrobenzene-d5  
 Concen: 83.96 ng  
 RT: 7.68 min Scan# 594  
 Delta R.T. -0.00 min  
 Lab File: BF078242.D  
 Acq: 3 Apr 2015 15:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 W-20

Tot Ion: 82 Resp: 238200  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 31.8 47.8  
 54 49.2 41.5 62.3

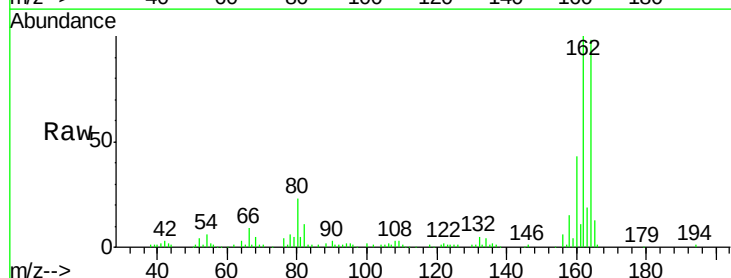


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

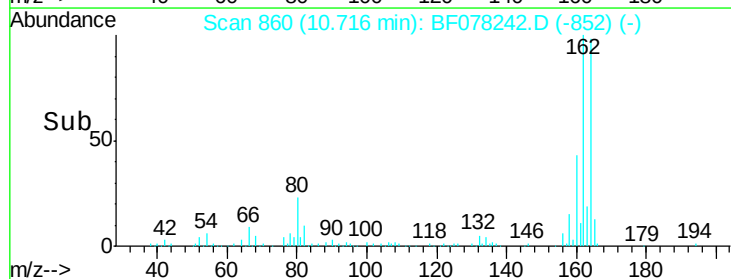
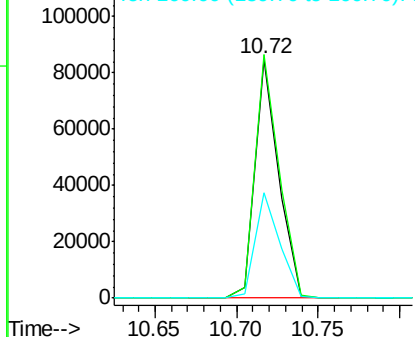


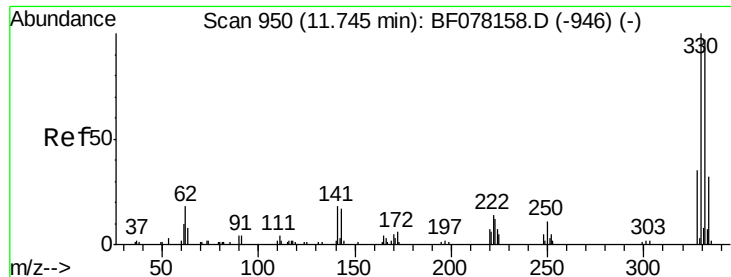
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.72 min Scan# 860  
 Delta R.T. -0.01 min  
 Lab File: BF078242.D  
 Acq: 3 Apr 2015 15:20

Tgt Ion:164 Resp: 85355  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 82.2 123.2  
 160 43.8 34.7 52.1



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

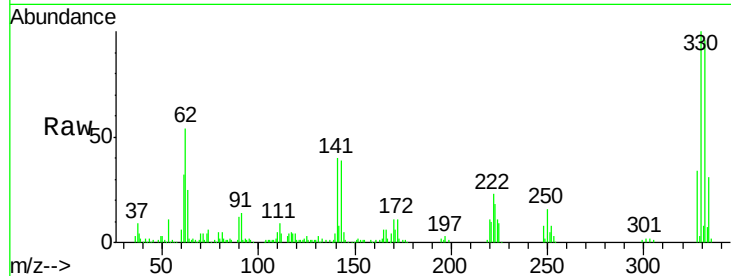




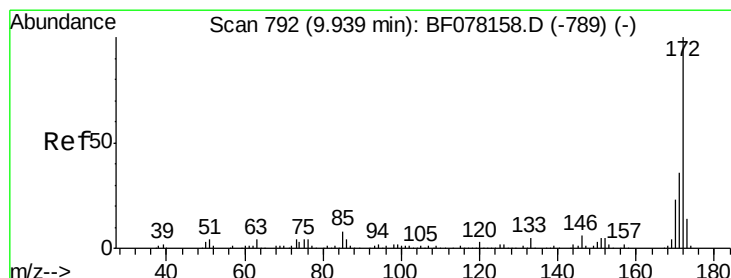
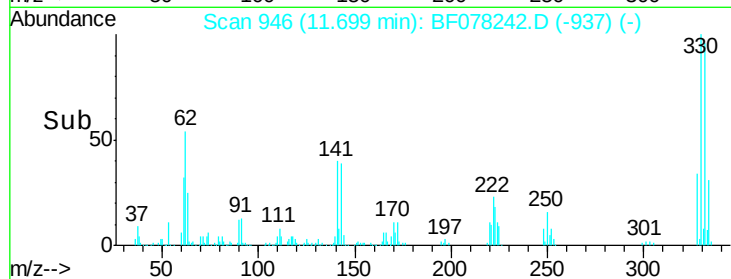
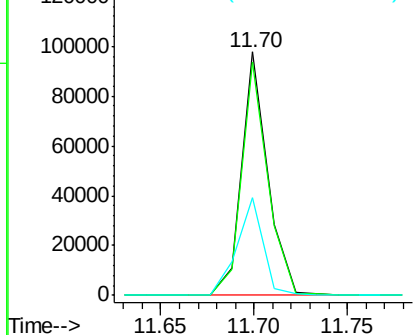
#41  
 2,4,6-Tribromophenol  
 Concen: 134.37 ng  
 RT: 11.70 min Scan# 946  
 Delta R.T. -0.00 min  
 Lab File: BF078242.D  
 Acq: 3 Apr 2015 15:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-20

Tot Ion:330 Resp: 95124  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 78.6 117.8  
 141 41.4 31.2 46.8

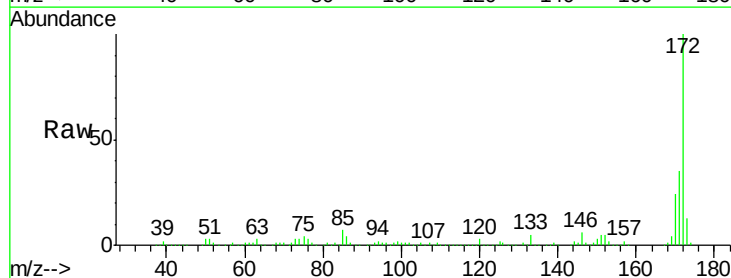


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

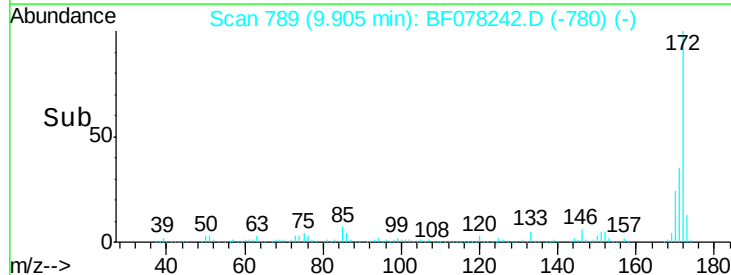
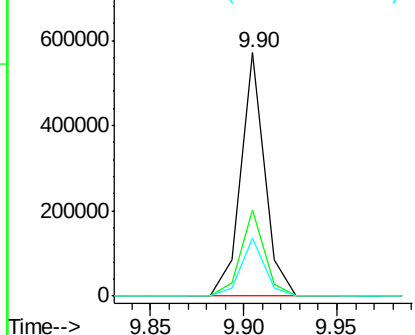


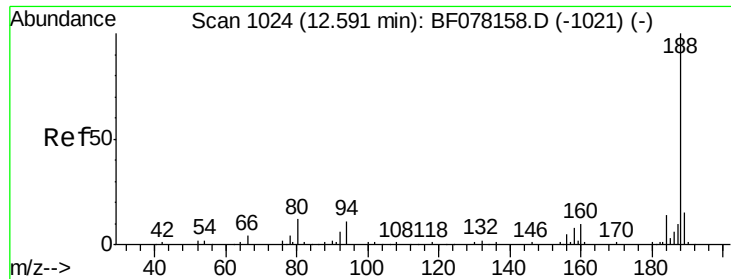
#44  
 2-Fluorobiphenyl  
 Concen: 85.25 ng  
 RT: 9.90 min Scan# 789  
 Delta R.T. -0.00 min  
 Lab File: BF078242.D  
 Acq: 3 Apr 2015 15:20

Tgt Ion:172 Resp: 509037  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 42.8  
 170 24.0 18.5 27.7



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

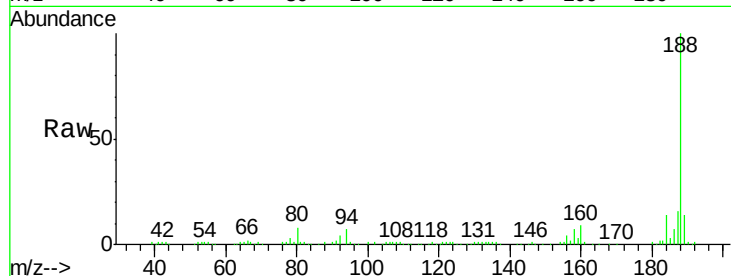




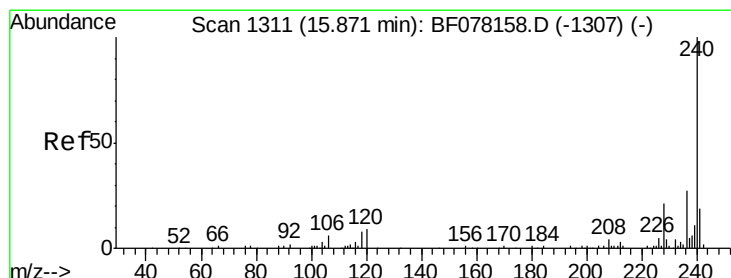
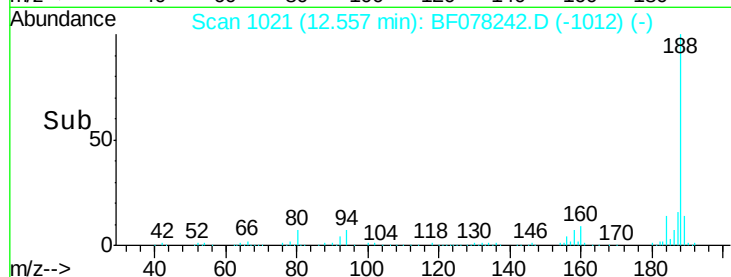
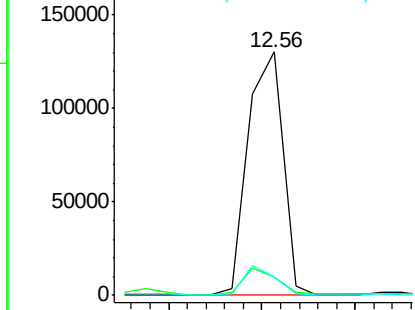
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.56 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BF078242.D  
Acq: 3 Apr 2015 15:20

Instrument :  
BNA\_F  
ClientSampleId :  
W-20

Tot Ion:188 Resp: 169242  
Ion Ratio Lower Upper  
188 100  
94 7.4 9.0 13.4#  
80 7.5 9.5 14.3#

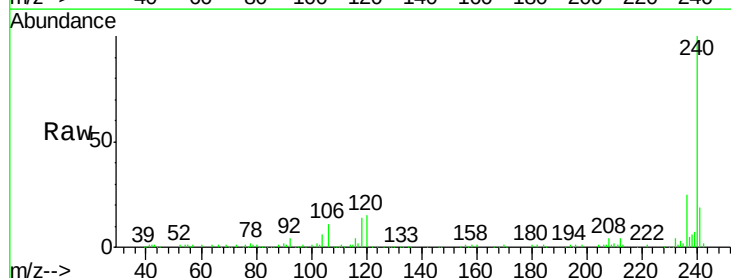


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

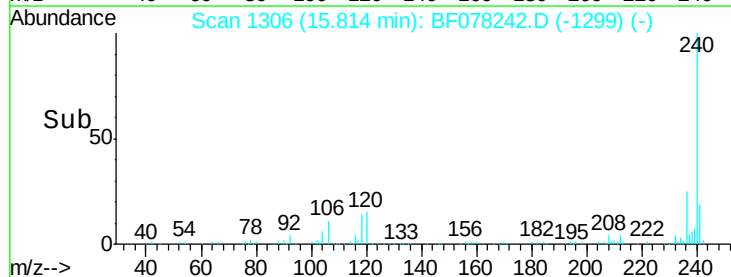
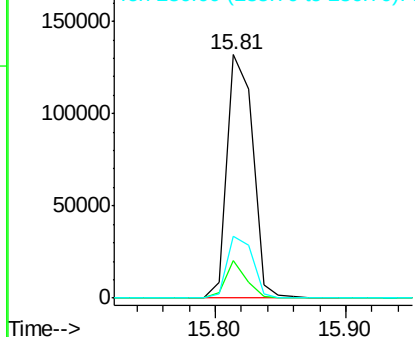


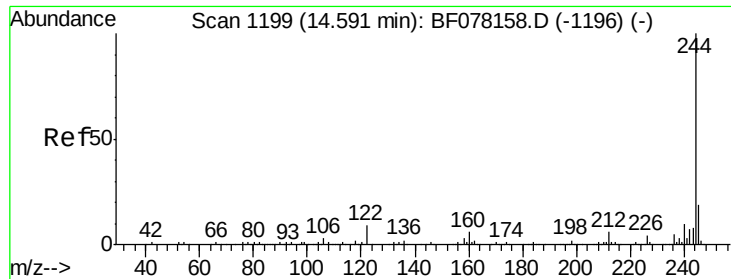
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.81 min Scan# 1306  
Delta R.T. -0.02 min  
Lab File: BF078242.D  
Acq: 3 Apr 2015 15:20

Tgt Ion:240 Resp: 180979  
Ion Ratio Lower Upper  
240 100  
120 15.2 7.1 10.7#  
236 25.2 21.4 32.2



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: 72.18 ng

RT: 14.55 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

Instrument :

BNA\_F

ClientSampleId :

W-20

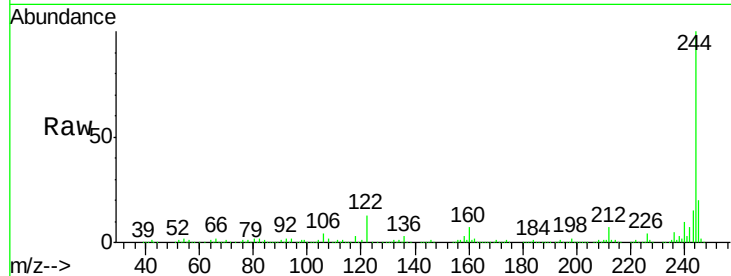
Tot Ion:244 Resp: 578125

Ion Ratio Lower Upper

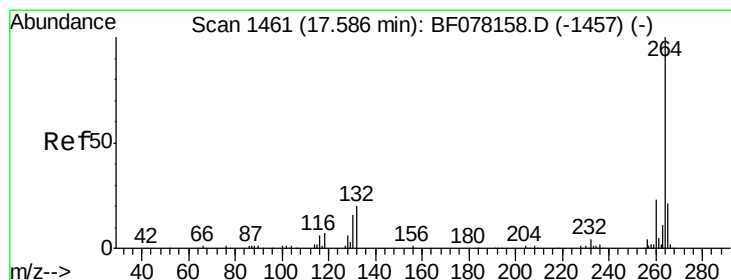
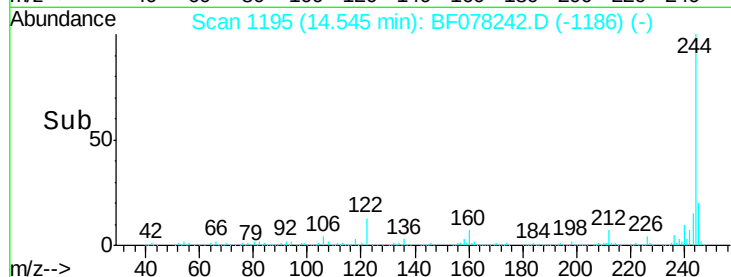
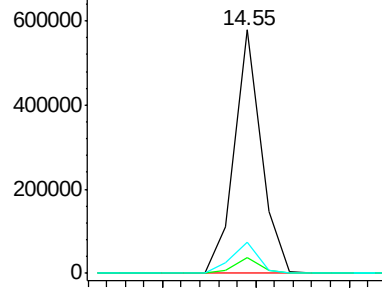
244 100

212 6.6 5.0 7.4

122 12.6 7.1 10.7#



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: 17.53 min Scan# 1456

Delta R.T. -0.07 min

Lab File: BF078242.D

Acq: 3 Apr 2015 15:20

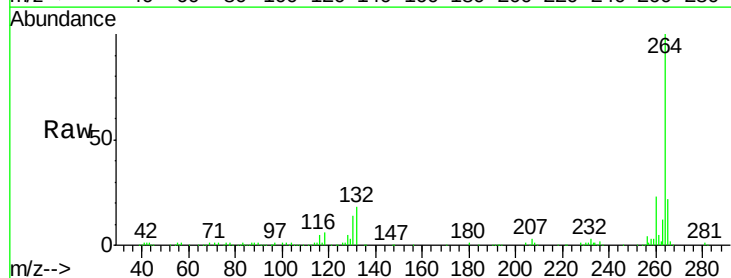
Tgt Ion:264 Resp: 171416

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.7 17.0 25.6



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

