

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042915\  
 Data File : BF078814.D  
 Acq On : 29 Apr 2015 15:37  
 Operator : TP/IZ  
 Sample : PB83017BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83017BL

Quant Time: Apr 30 01:13:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 00:55:08 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 77166    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.96  | 136  | 311921   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.14 | 164  | 140899   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.98 | 188  | 279451   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.31 | 240  | 269423   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 18.13 | 264  | 263309   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.68  | 112  | 534732   | 127.28 | ng    | 0.00     |
| 7) Phenol-d6                | 6.92  | 99   | 675268   | 120.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.07  | 82   | 361911   | 83.54  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.13 | 330  | 163546   | 117.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.31 | 172  | 808228   | 78.55  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.98 | 244  | 891417   | 78.80  | ng    | 0.00     |

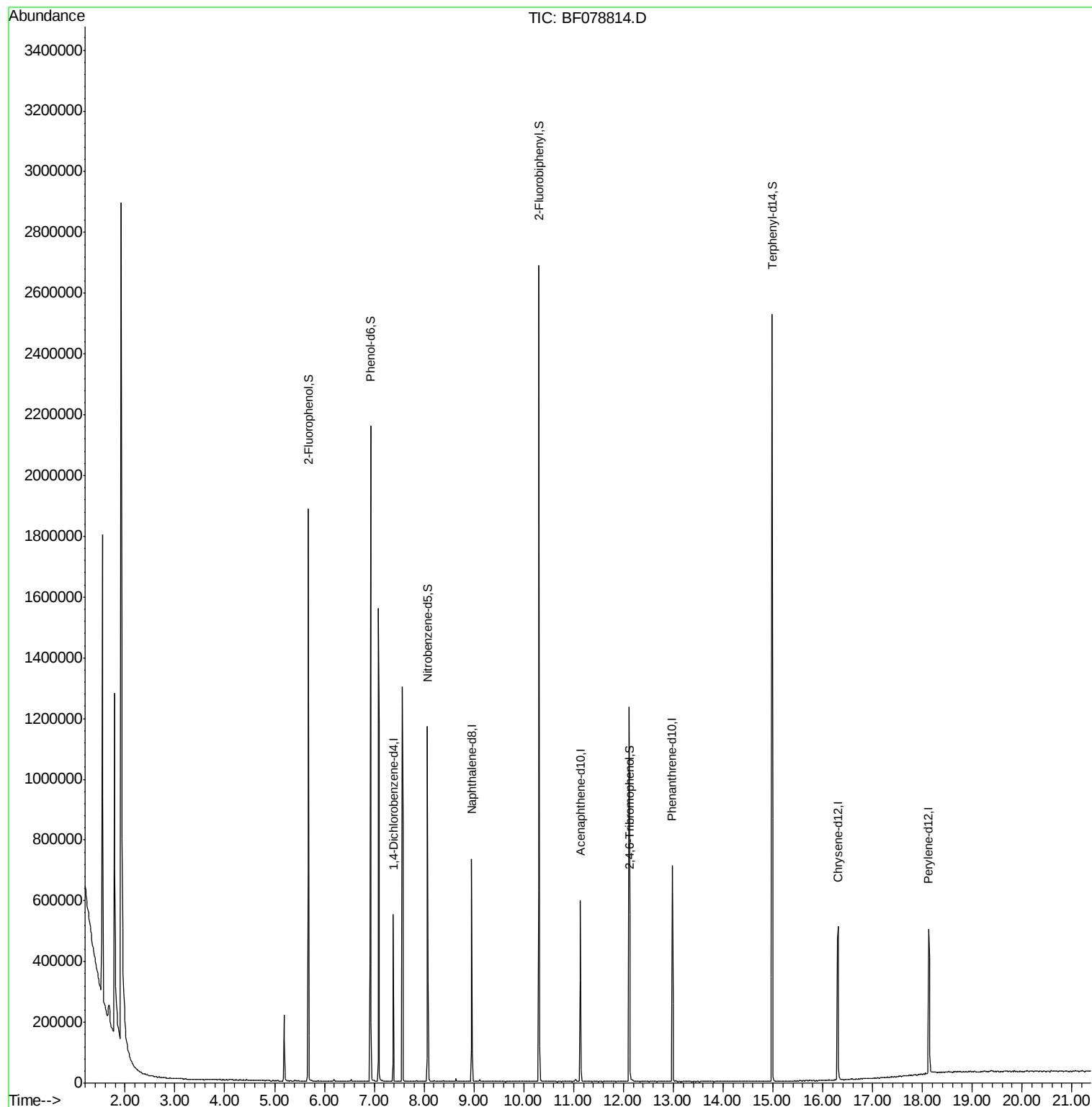
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

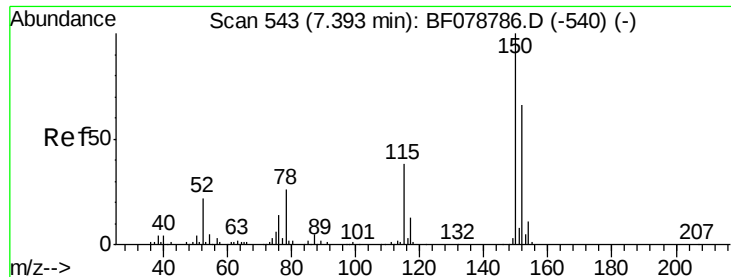
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



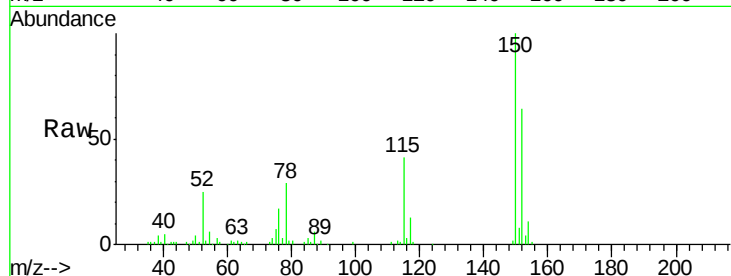


#1

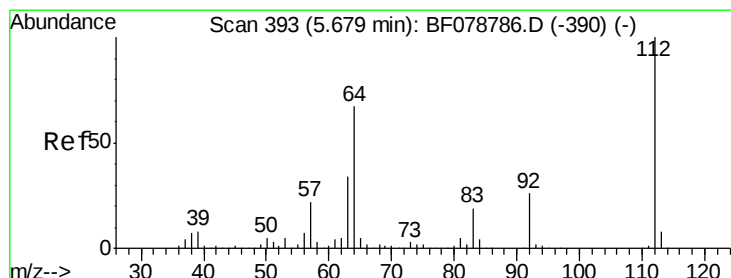
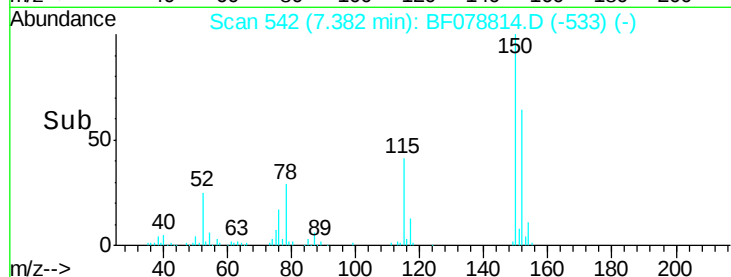
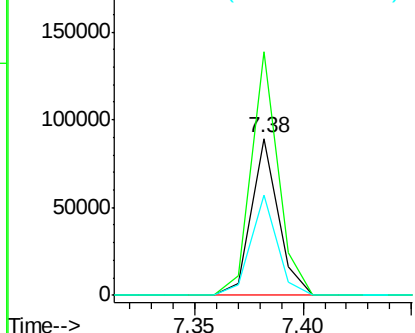
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.38 min Scan# 542  
Delta R.T. 0.00 min  
Lab File: BF078814.D  
Acq: 29 Apr 2015 15:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83017BL

Tgt Ion:152 Resp: 77166  
Ion Ratio Lower Upper  
152 100  
150 155.4 122.0 183.0  
115 63.7 46.3 69.5



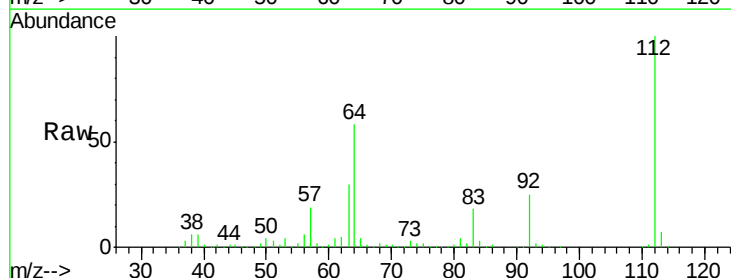
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



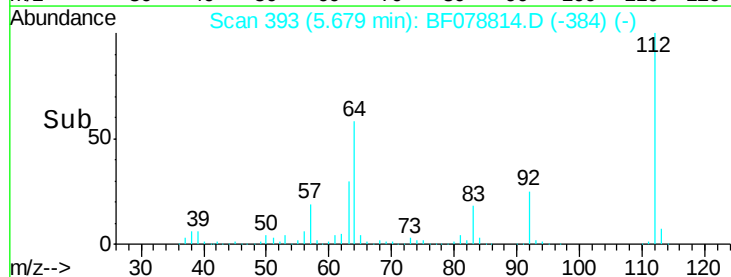
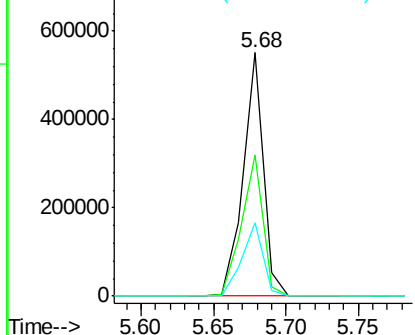
#5

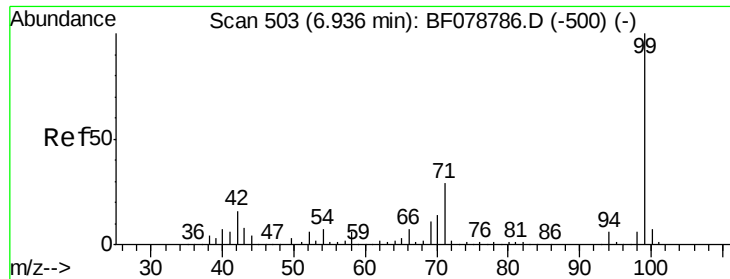
2-Fluorophenol  
Concen: 127.28 ng  
RT: 5.68 min Scan# 393  
Delta R.T. 0.00 min  
Lab File: BF078814.D  
Acq: 29 Apr 2015 15:37

Tgt Ion:112 Resp: 534732  
Ion Ratio Lower Upper  
112 100  
64 57.8 53.5 80.3  
63 29.9 27.5 41.3



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: 120.34 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

Instrument :

BNA\_F

ClientSampleId :

PB83017BL

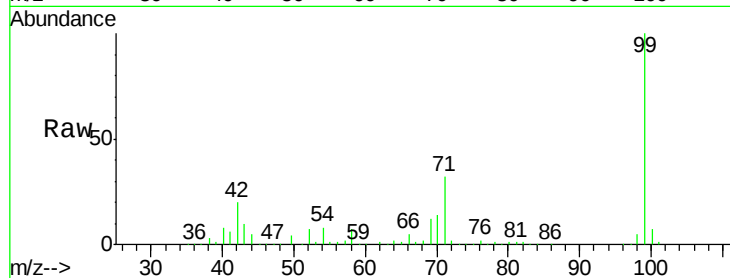
Tgt Ion: 99 Resp: 675268

Ion Ratio Lower Upper

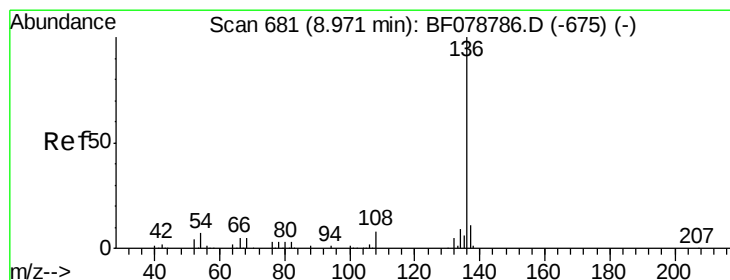
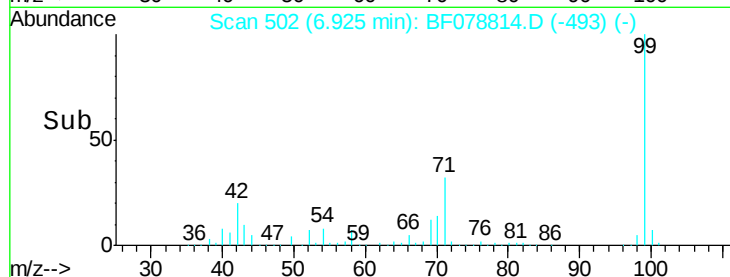
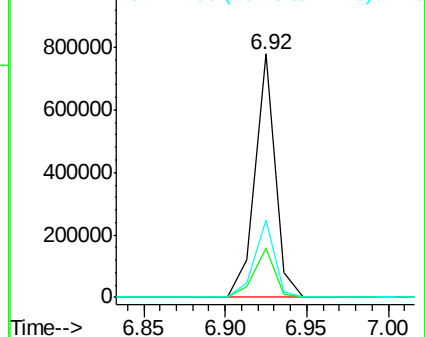
99 100

42 20.0 12.8 19.2#

71 31.9 23.4 35.2



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: 8.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

Tgt Ion: 136 Resp: 311921

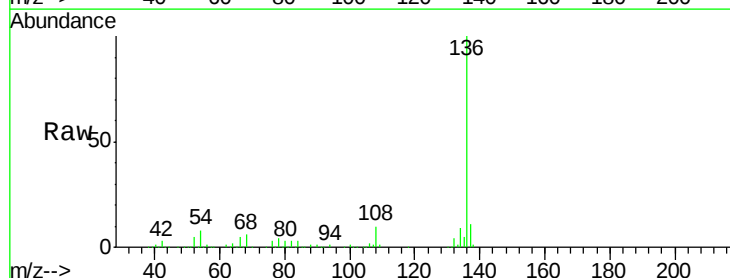
Ion Ratio Lower Upper

136 100

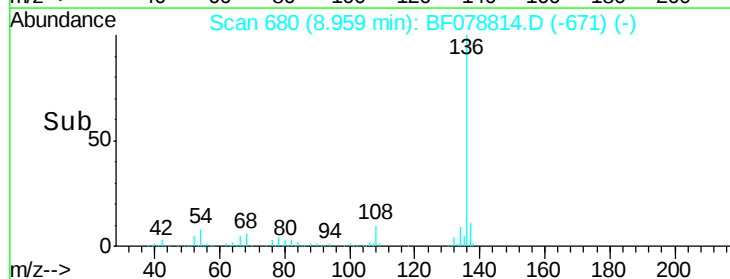
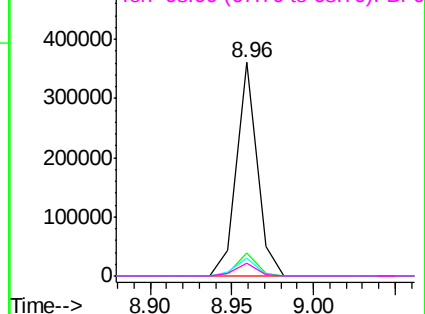
137 11.0 8.7 13.1

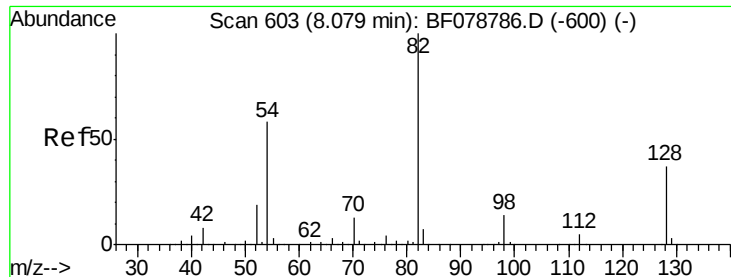
54 8.2 5.8 8.8

68 6.0 4.2 6.4



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

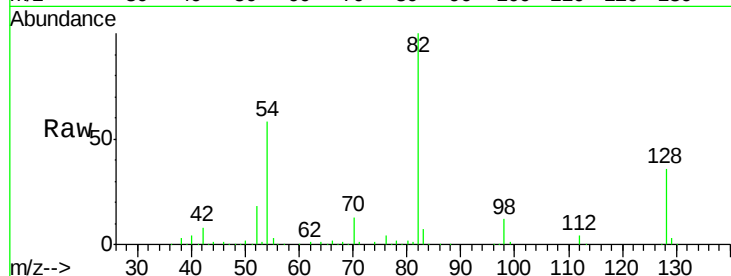




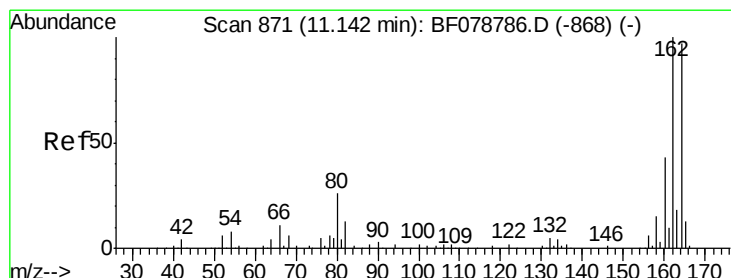
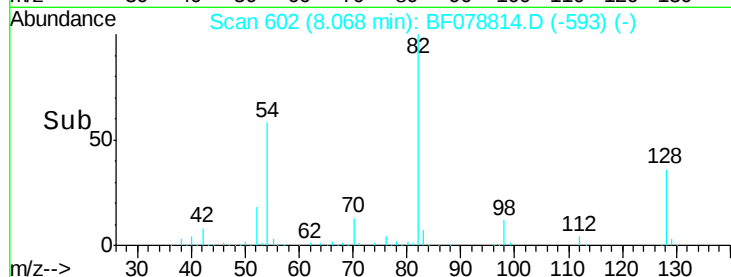
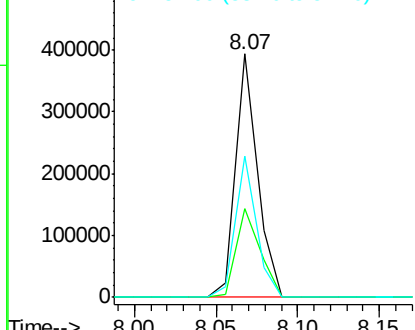
#23  
 Nitrobenzene-d5  
 Concen: 83.54 ng  
 RT: 8.07 min Scan# 602  
 Delta R.T. 0.00 min  
 Lab File: BF078814.D  
 Acq: 29 Apr 2015 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83017BL

Tgt Ion: 82 Resp: 361911  
 Ion Ratio Lower Upper  
 82 100  
 128 36.4 30.0 45.0  
 54 57.8 46.4 69.6

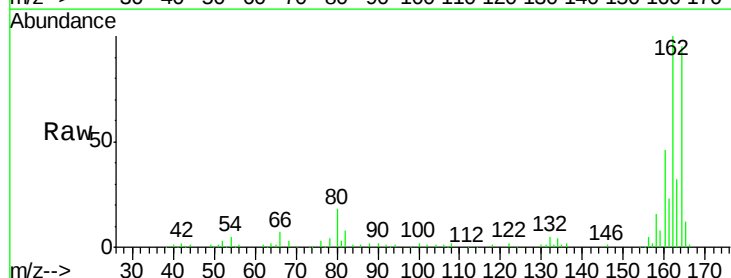


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

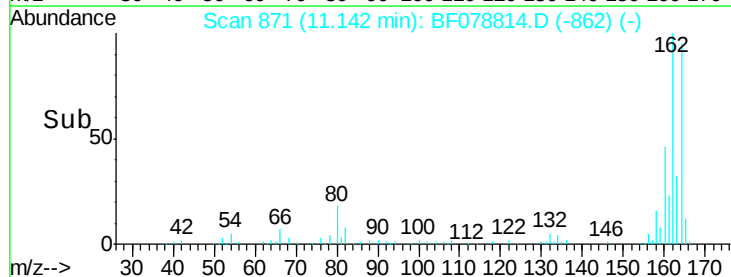
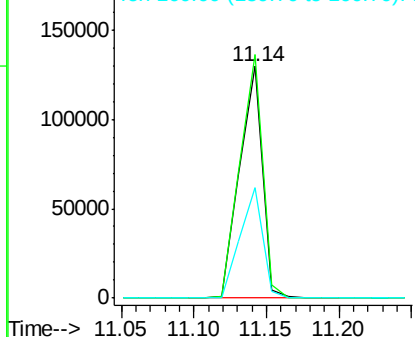


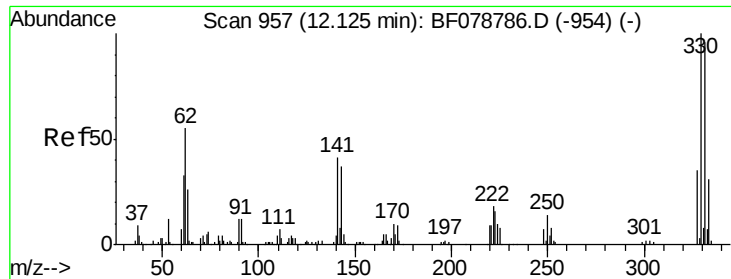
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 871  
 Delta R.T. 0.00 min  
 Lab File: BF078814.D  
 Acq: 29 Apr 2015 15:37

Tgt Ion: 164 Resp: 140899  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 82.7 124.1  
 160 47.8 35.8 53.8



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

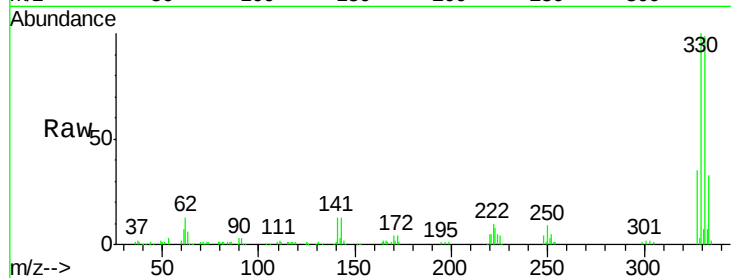




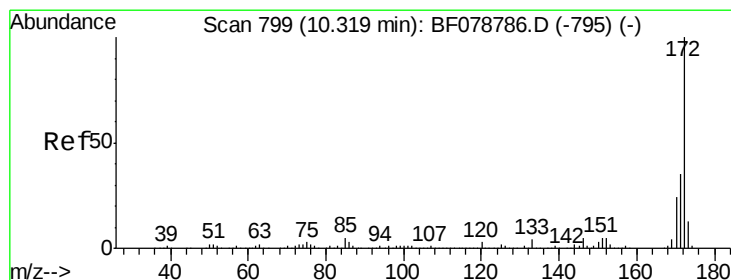
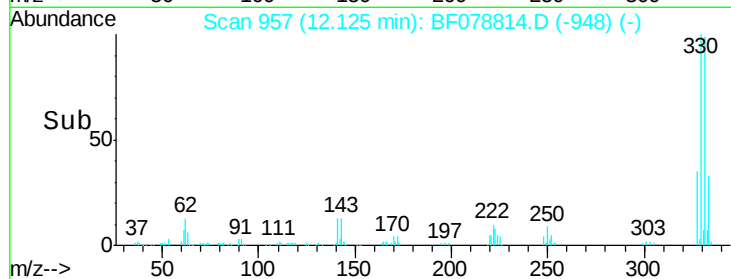
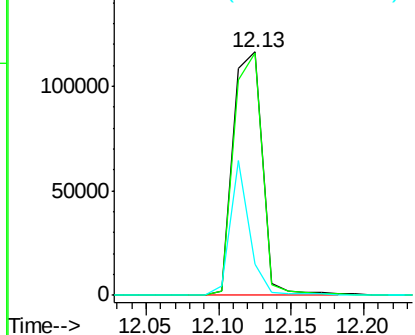
#41  
 2,4,6-Tribromophenol  
 Concen: 117.29 ng  
 RT: 12.13 min Scan# 957  
 Delta R.T. 0.00 min  
 Lab File: BF078814.D  
 Acq: 29 Apr 2015 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83017BL

Tgt Ion:330 Resp: 163546  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 0.0 0.0#  
 141 36.6 0.0 0.0#

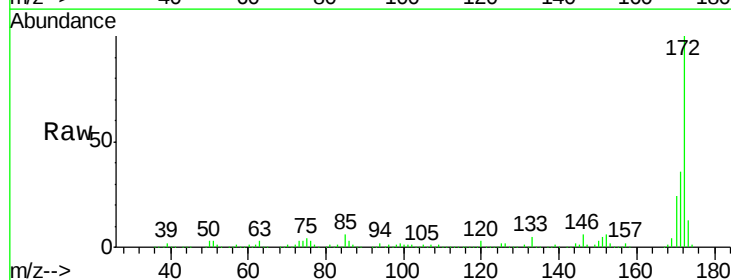


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

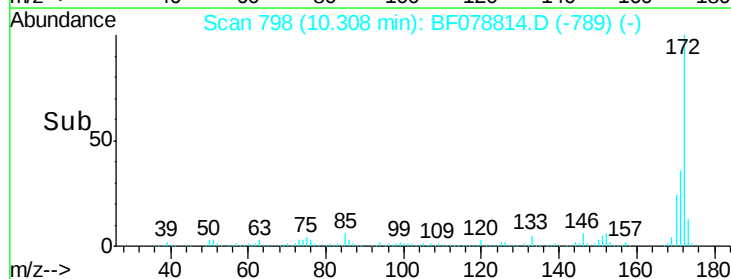
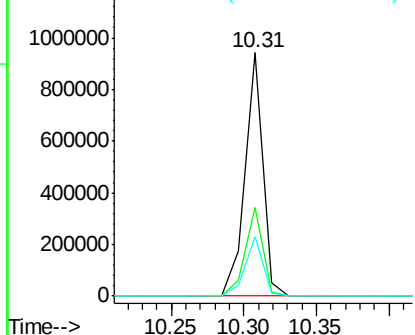


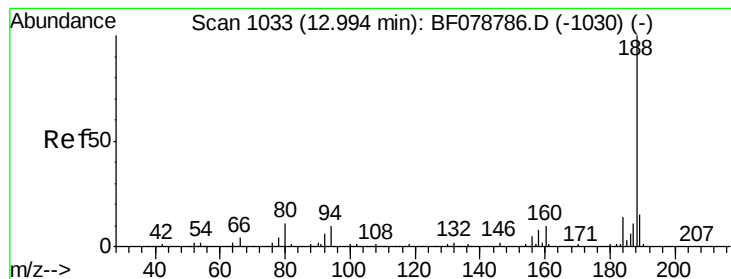
#44  
 2-Fluorobiphenyl  
 Concen: 78.55 ng  
 RT: 10.31 min Scan# 798  
 Delta R.T. 0.00 min  
 Lab File: BF078814.D  
 Acq: 29 Apr 2015 15:37

Tgt Ion:172 Resp: 808228  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 27.9 41.9  
 170 24.5 19.4 29.0



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: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

Instrument :

BNA\_F

ClientSampleId :

PB83017BL

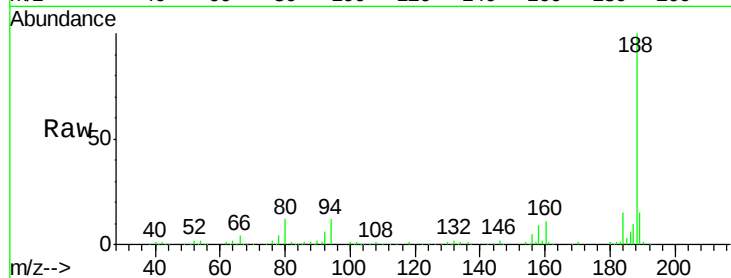
Tgt Ion:188 Resp: 279451

Ion Ratio Lower Upper

188 100

94 11.9 8.2 12.2

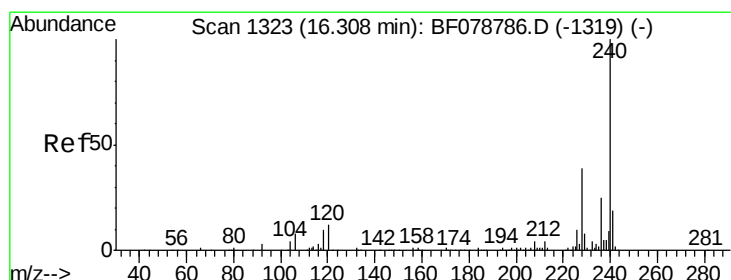
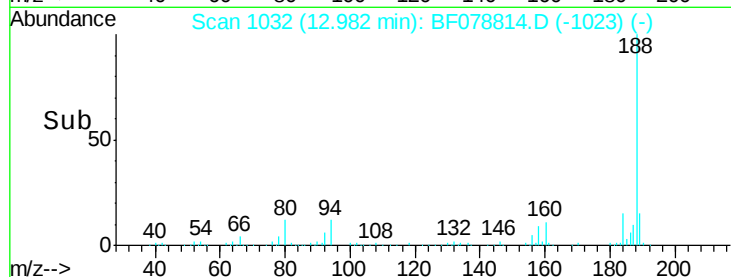
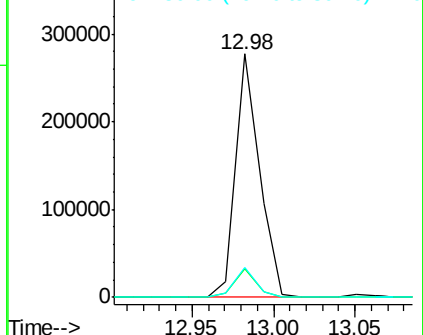
80 12.3 8.9 13.3



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: 16.31 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

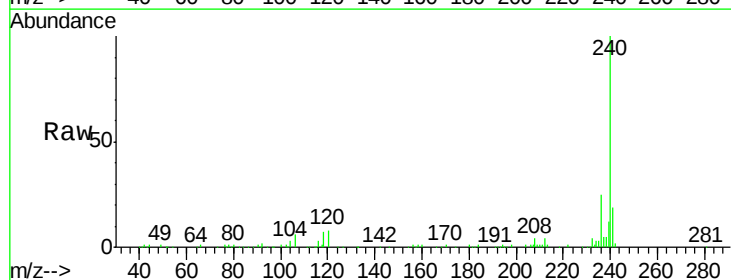
Tgt Ion:240 Resp: 269423

Ion Ratio Lower Upper

240 100

120 8.5 9.7 14.5#

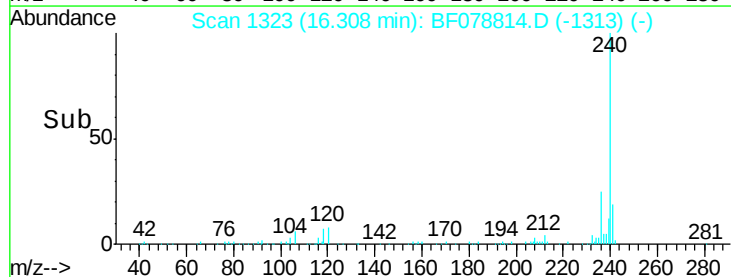
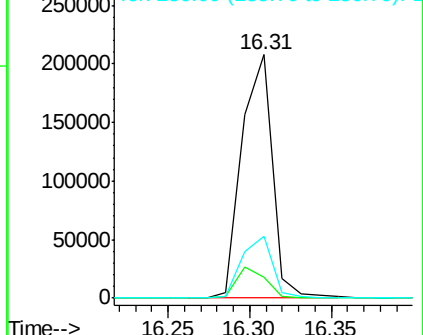
236 25.5 20.2 30.4

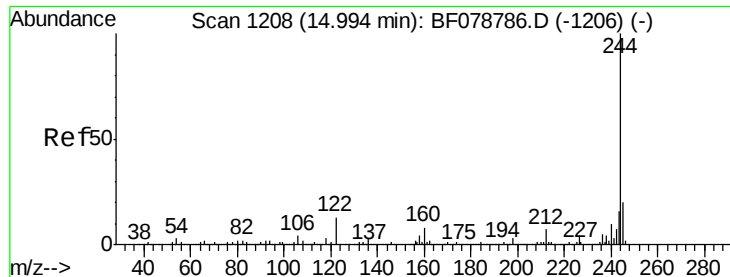


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.80 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

Instrument :

BNA\_F

ClientSampleId :

PB83017BL

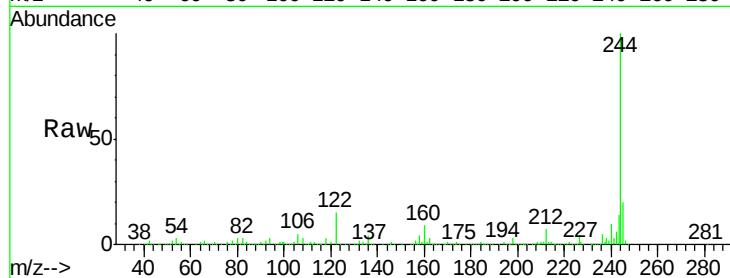
Tgt Ion:244 Resp: 891417

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

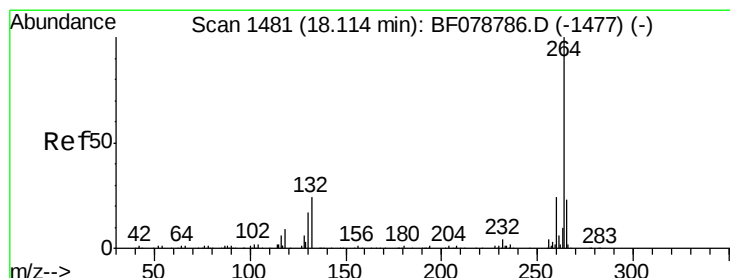
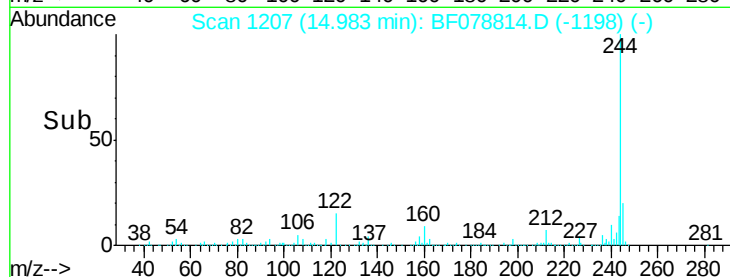
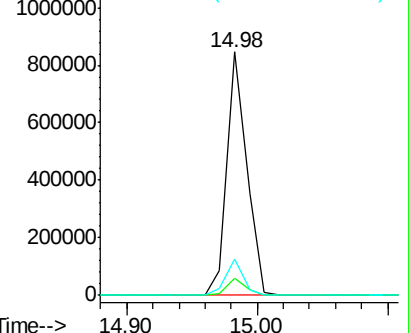
122 14.8 10.3 15.5



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: 18.13 min Scan# 1482

Delta R.T. 0.05 min

Lab File: BF078814.D

Acq: 29 Apr 2015 15:37

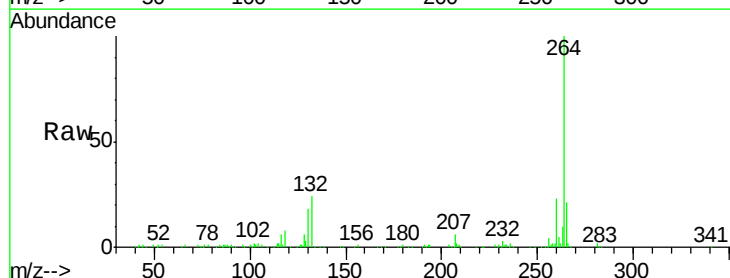
Tgt Ion:264 Resp: 263309

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 21.3 18.3 27.5



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

