

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051915\  
 Data File : BF079342.D  
 Acq On : 19 May 2015 15:20  
 Operator : TP/IZ  
 Sample : PB83467BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83467BL

Quant Time: May 20 01:05:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 00:50:10 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.13  | 152  | 43162    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.71  | 136  | 173579   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.88 | 164  | 85774    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.72 | 188  | 170067   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.02 | 240  | 177644   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.84 | 264  | 189620   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 314320   | 125.36 | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 386374   | 116.58 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.82  | 82   | 220838   | 73.12  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.86 | 330  | 121332   | 130.76 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.06 | 172  | 468703   | 76.13  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.72 | 244  | 578843   | 78.01  | ng    | 0.00     |

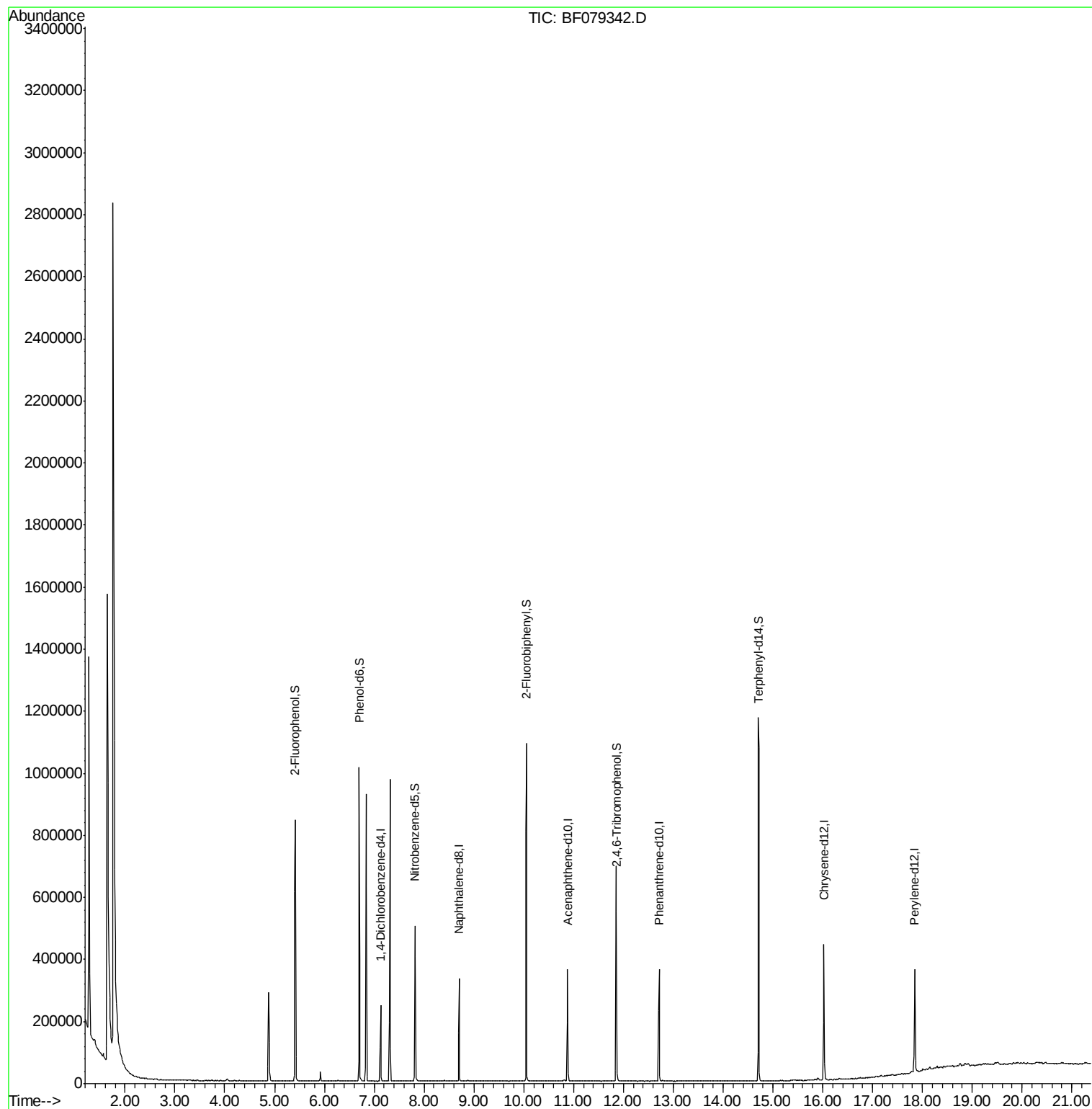
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

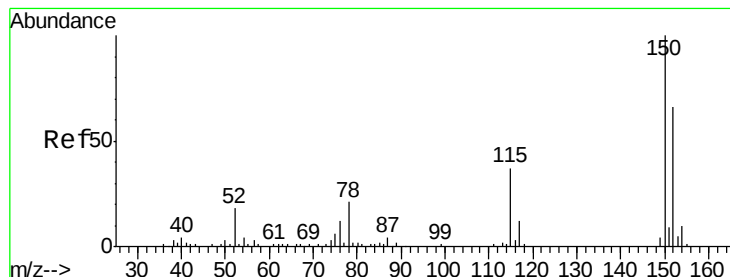
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 20 00:50:10 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.13 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

Instrument :

BNA\_F

ClientSampleId :

PB83467BL

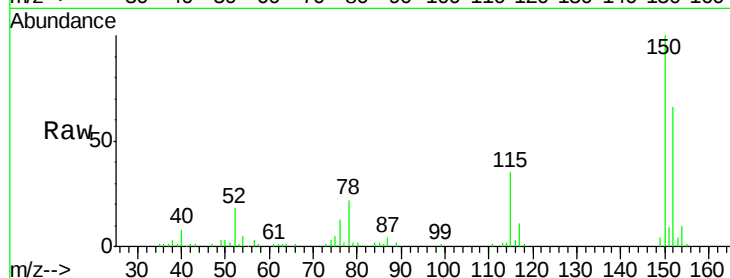
Tgt Ion:152 Resp: 43162

Ion Ratio Lower Upper

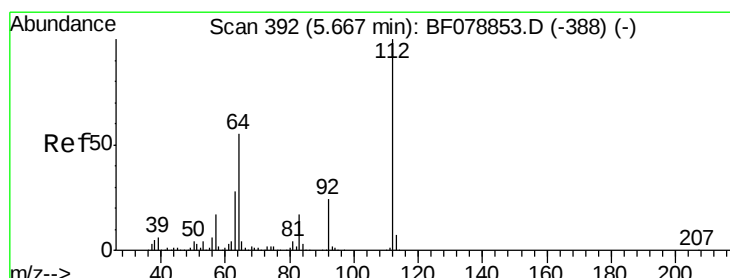
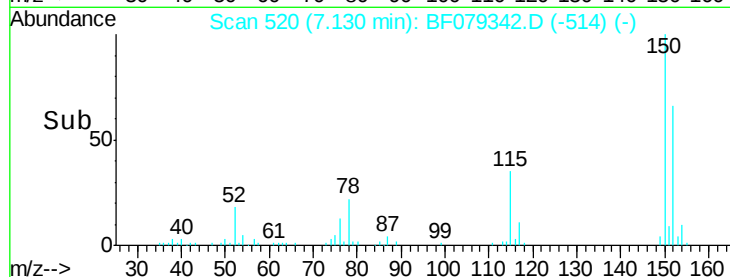
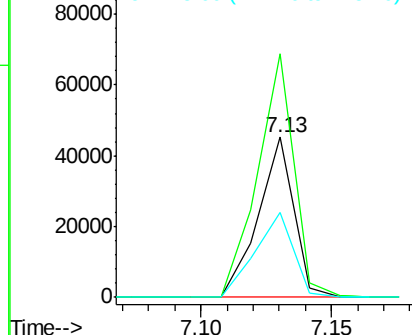
152 100

150 152.3 123.8 185.8

115 53.1 49.4 74.0



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: 125.36 ng

RT: 5.42 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

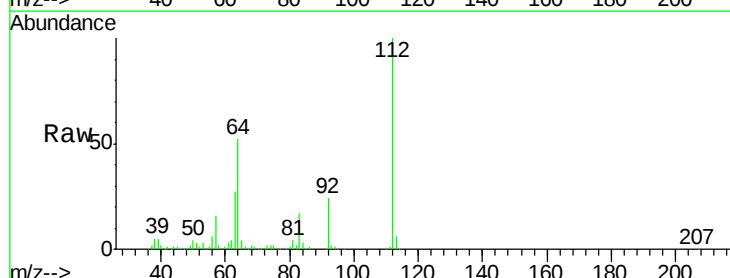
Tgt Ion:112 Resp: 314320

Ion Ratio Lower Upper

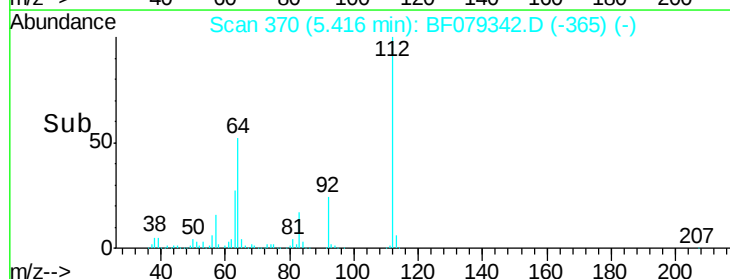
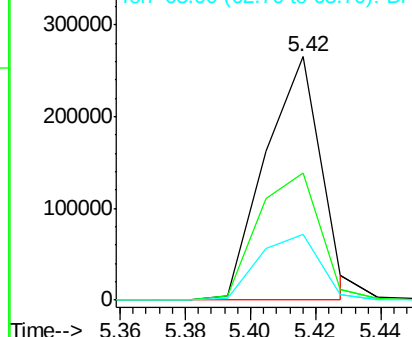
112 100

64 52.4 44.2 66.2

63 27.0 22.7 34.1



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: 116.58 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

Instrument :

BNA\_F

ClientSampleId :

PB83467BL

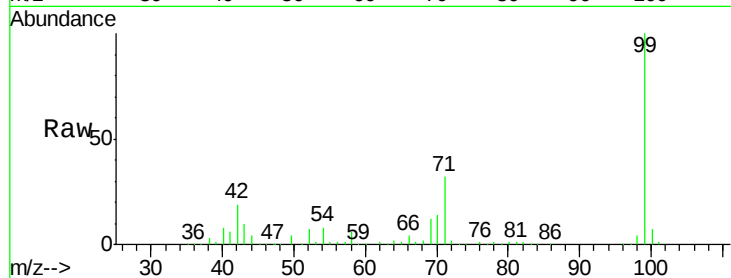
Tgt Ion: 99 Resp: 386374

Ion Ratio Lower Upper

99 100

42 19.3 17.1 25.7

71 32.1 26.3 39.5



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

500000

400000

300000

200000

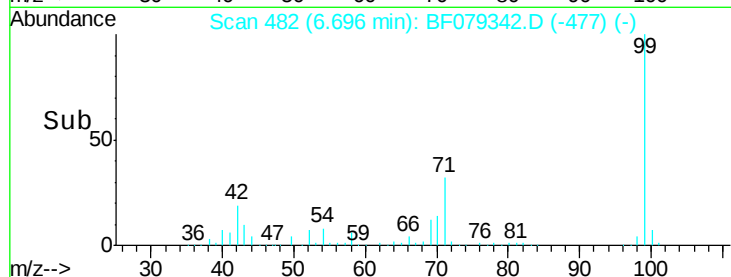
100000

0

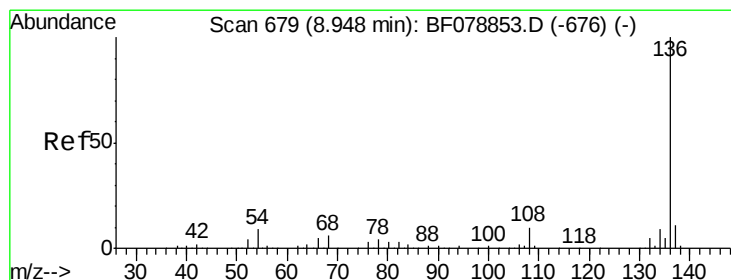
6.65

6.70

6.75



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

Tgt Ion: 136 Resp: 173579

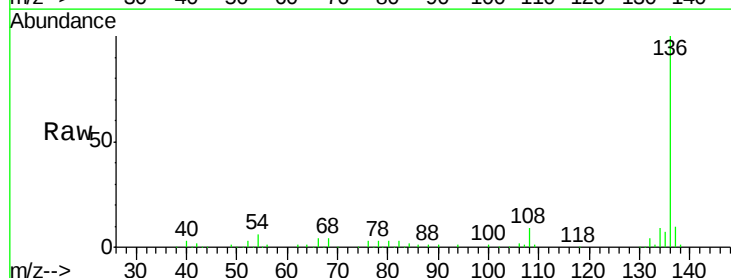
Ion Ratio Lower Upper

136 100

137 10.3 8.8 13.2

54 6.1 6.9 10.3#

68 4.5 4.9 7.3#



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

250000

200000

150000

100000

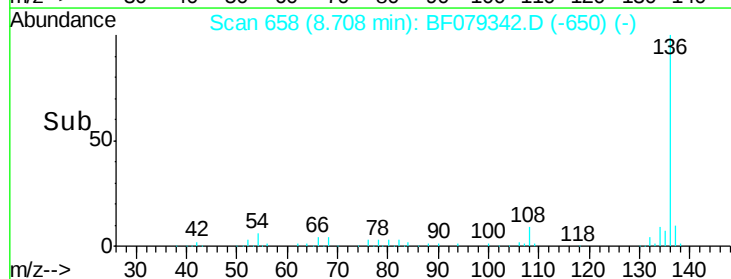
50000

0

8.65

8.70

8.75



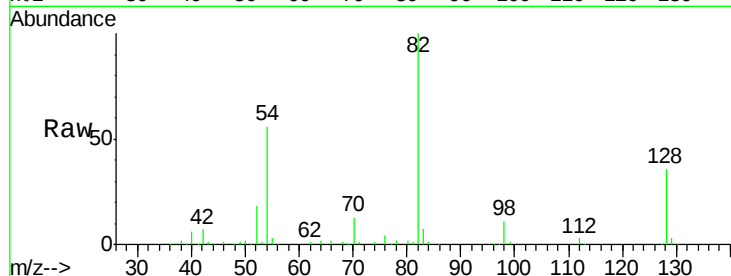
Time-->



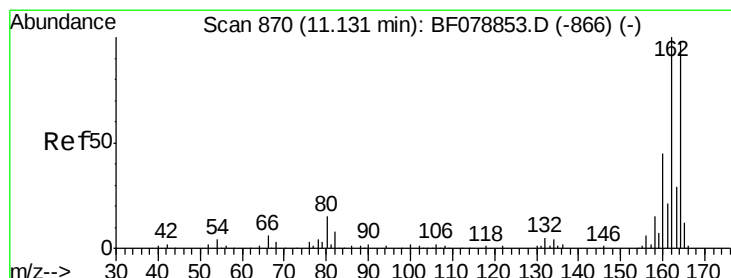
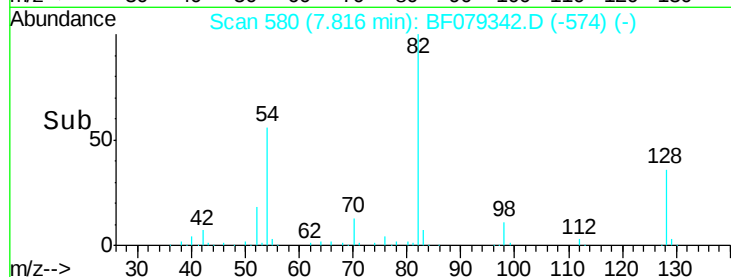
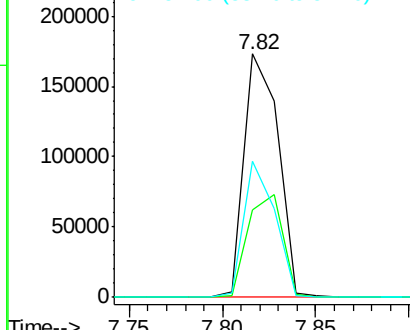
#23  
 Nitrobenzene-d5  
 Concen: 73.12 ng  
 RT: 7.82 min Scan# 580  
 Delta R.T. -0.01 min  
 Lab File: BF079342.D  
 Acq: 19 May 2015 15:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83467BL

Tgt Ion: 82 Resp: 220838  
 Ion Ratio Lower Upper  
 82 100  
 128 35.8 29.7 44.5  
 54 56.1 46.2 69.4

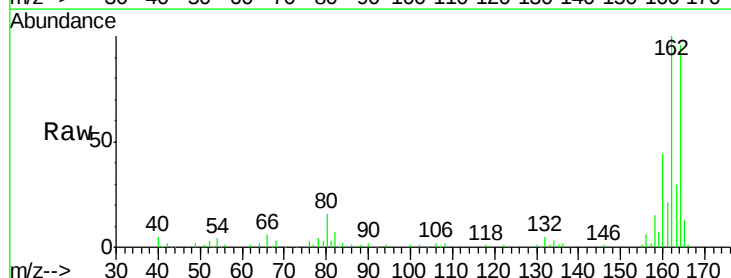


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

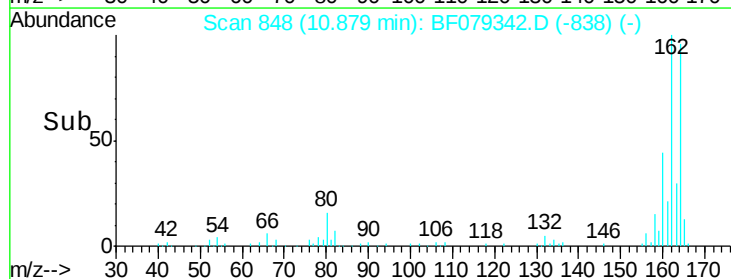
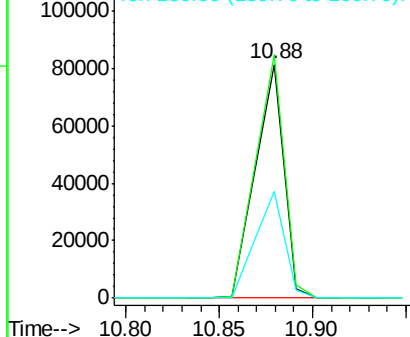


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.88 min Scan# 848  
 Delta R.T. 0.00 min  
 Lab File: BF079342.D  
 Acq: 19 May 2015 15:20

Tgt Ion: 164 Resp: 85774  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 81.4 122.0  
 160 45.5 36.6 54.8



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

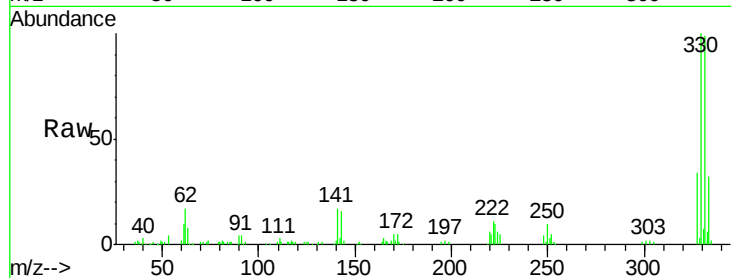




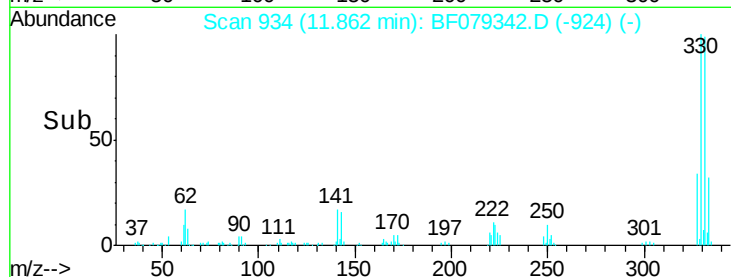
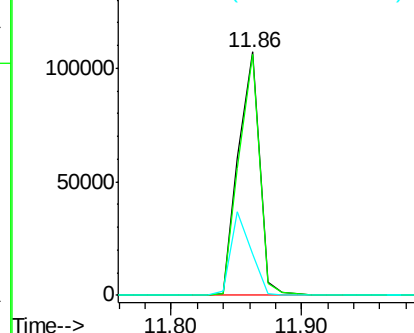
#41  
 2,4,6-Tribromophenol  
 Concen: 130.76 ng  
 RT: 11.86 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF079342.D  
 Acq: 19 May 2015 15:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83467BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.9  | 115.3 |
| 141     | 32.9  | 27.8  | 41.8  |

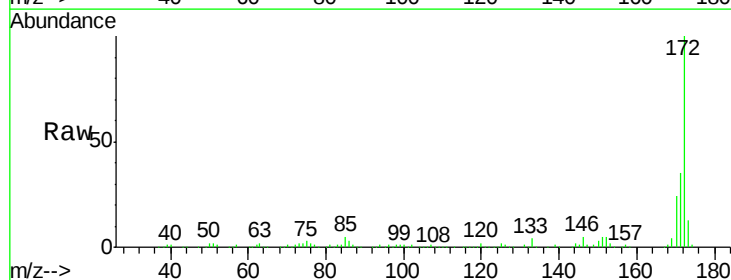


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

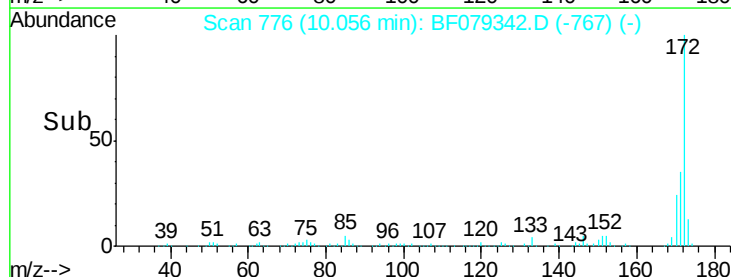
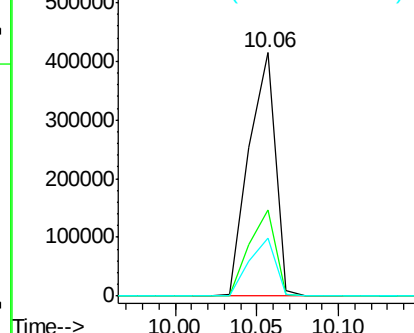


#44  
 2-Fluorobiphenyl  
 Concen: 76.13 ng  
 RT: 10.06 min Scan# 776  
 Delta R.T. 0.00 min  
 Lab File: BF079342.D  
 Acq: 19 May 2015 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.3  | 42.5  |
| 170     | 24.0  | 19.4  | 29.2  |



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

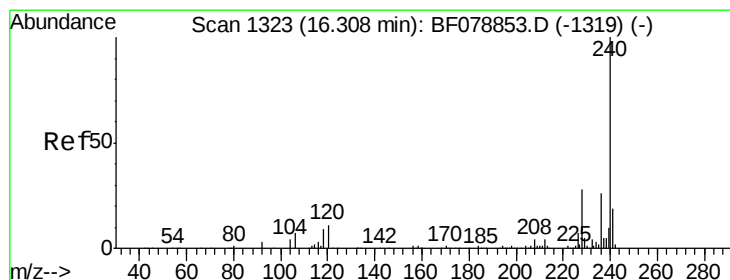
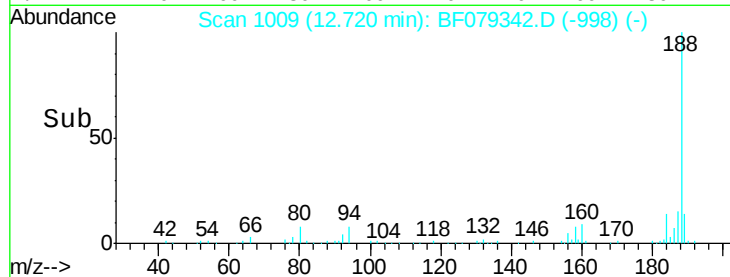
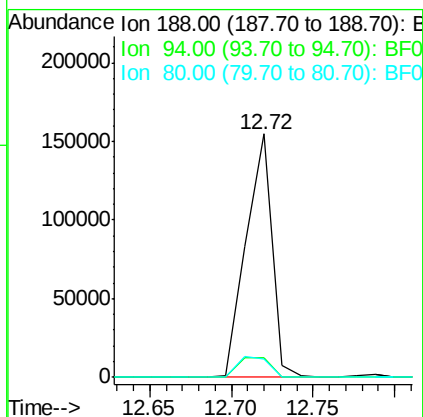
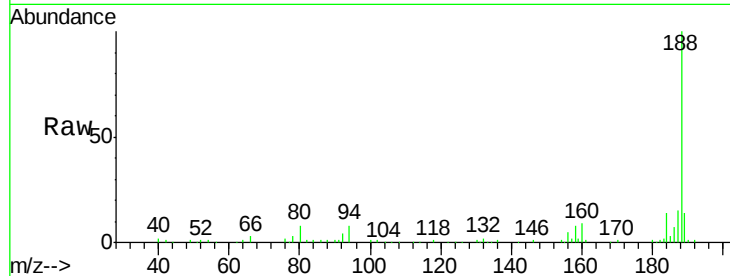




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.72 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BF079342.D  
Acq: 19 May 2015 15:20

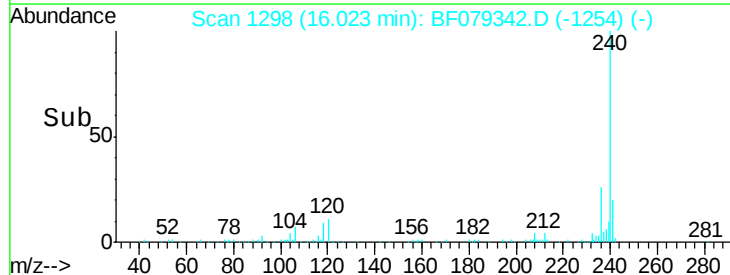
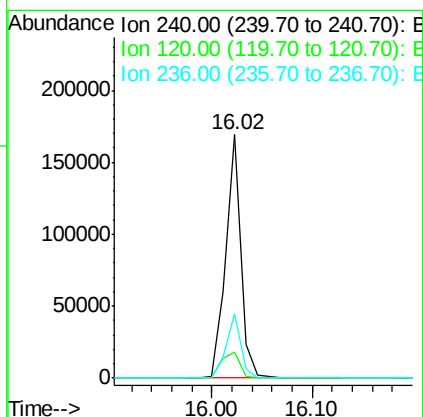
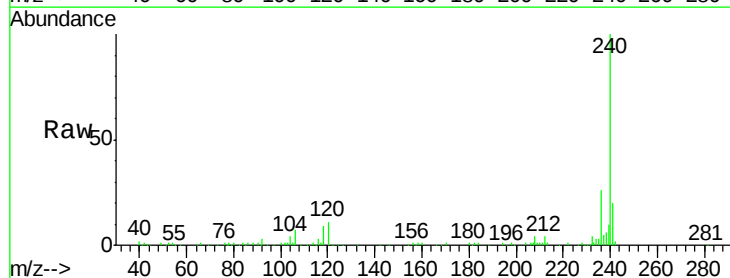
Instrument :  
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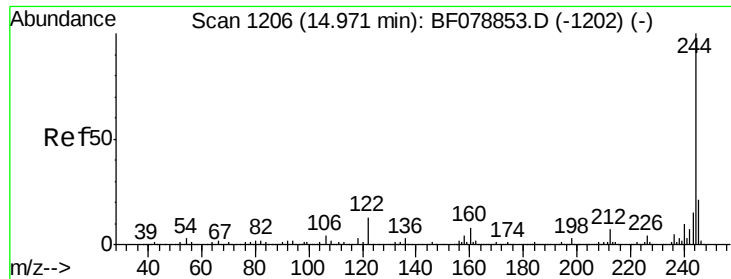
Tgt Ion:188 Resp: 170067  
Ion Ratio Lower Upper  
188 100  
94 8.0 9.4 14.0#  
80 7.6 9.8 14.6#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.02 min Scan# 1298  
Delta R.T. 0.00 min  
Lab File: BF079342.D  
Acq: 19 May 2015 15:20

Tgt Ion:240 Resp: 177644  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.6 12.8  
236 26.2 21.0 31.6





#78

Terphenyl-d14

Concen: 78.01 ng

RT: 14.72 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

Instrument :

BNA\_F

ClientSampled :

PB83467BL

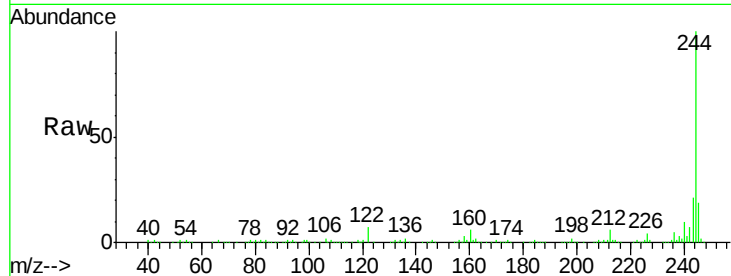
Tgt Ion:244 Resp: 578843

Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

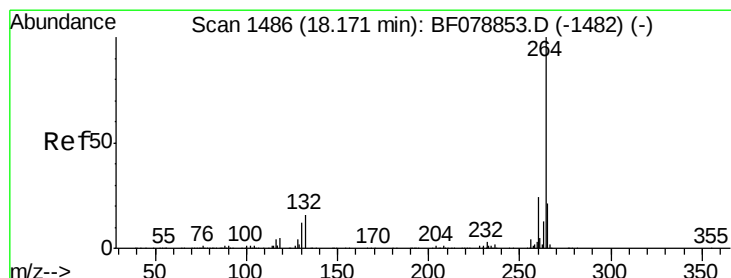
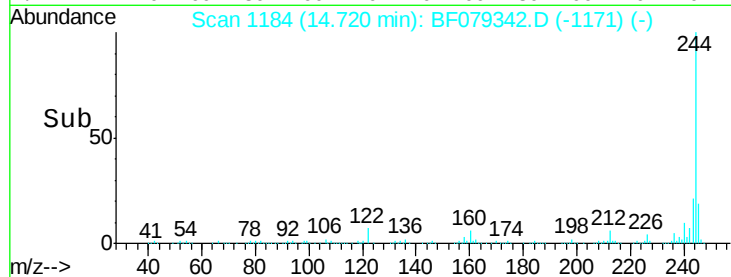
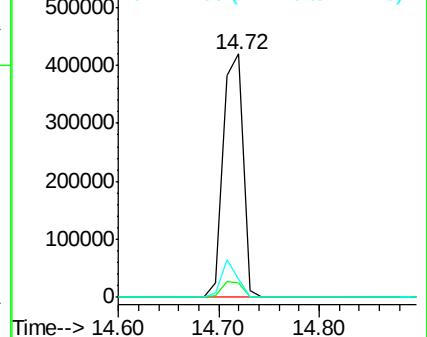
122 7.4 10.5 15.7#



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: 17.84 min Scan# 1457

Delta R.T. 0.02 min

Lab File: BF079342.D

Acq: 19 May 2015 15:20

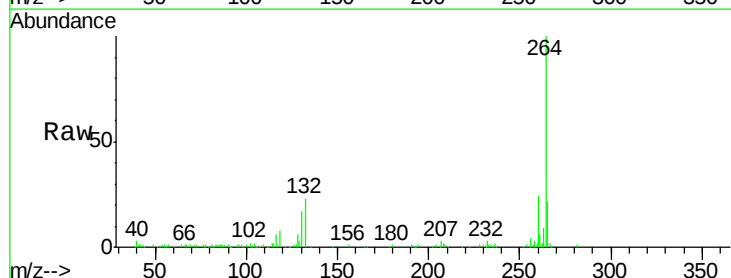
Tgt Ion:264 Resp: 189620

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.0 17.2 25.8



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

