

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060715\  
 Data File : BF079812.D  
 Acq On : 7 Jun 2015 13:58  
 Operator : TP/IZ  
 Sample : G2457-21  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

Quant Time: Jun 09 01:18:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 01:08:34 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.47  | 152  | 34257    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.76  | 136  | 132478   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.55 | 164  | 65374    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.06 | 188  | 144929   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.07 | 240  | 142670   | 20.00  | ng    | 0.09     |
| 86) Perylene-d12            | 17.04 | 264  | 101893   | 20.00  | ng    | 0.14     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.09  | 112  | 381683   | 186.74 | ng    | 0.00     |
| 7) Phenol-d6                | 7.07  | 99   | 283781   | 107.50 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.03  | 82   | 187556   | 86.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.34 | 330  | 87987    | 140.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.84  | 172  | 431457   | 89.41  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.77 | 244  | 573418   | 92.05  | ng    | 0.05     |

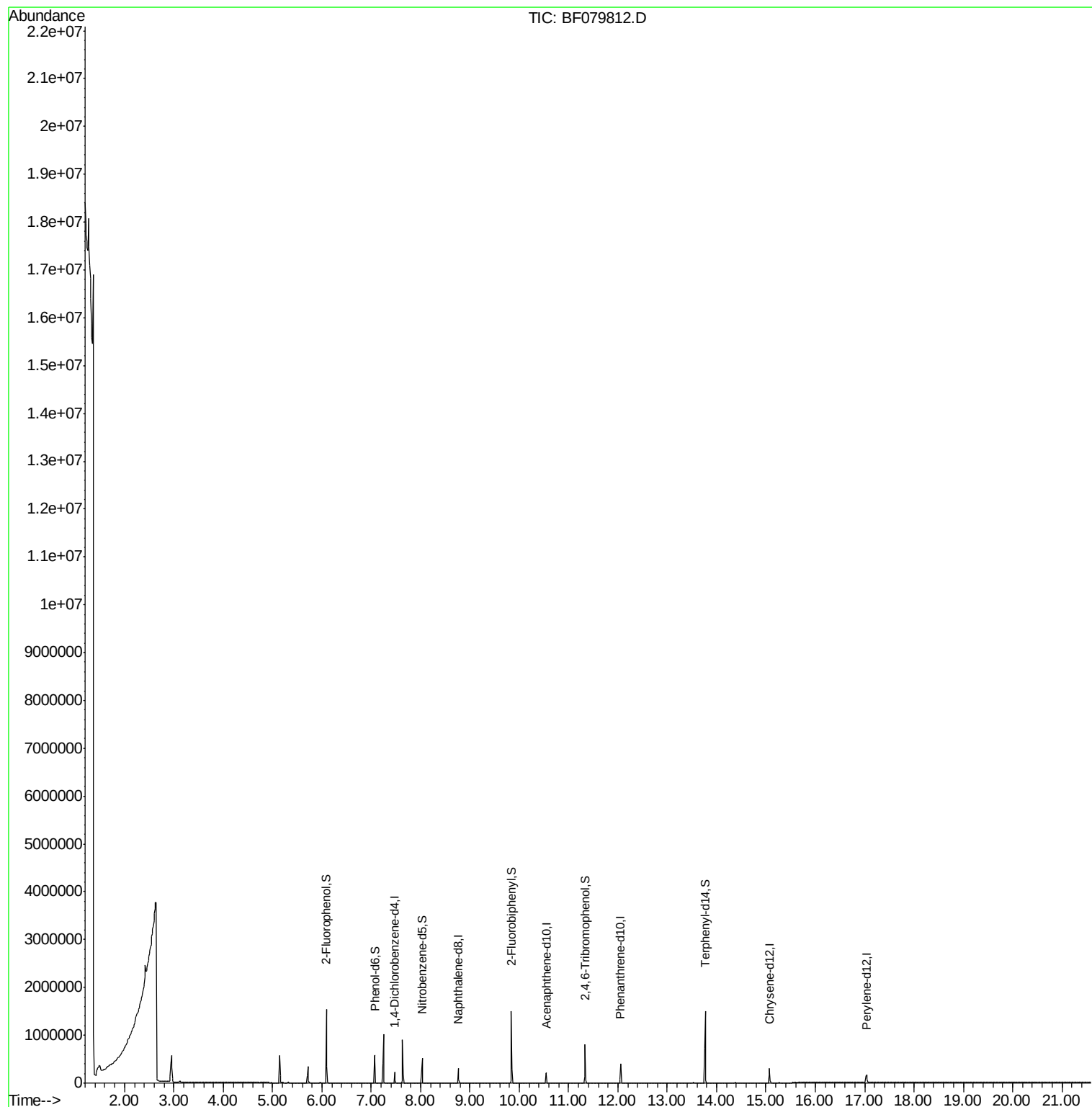
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

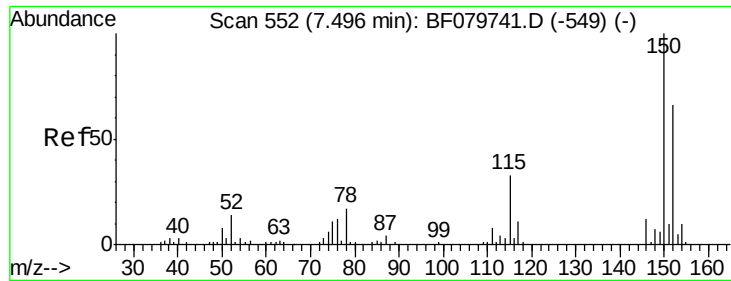
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.47 min Scan# 550

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

Instrument :

BNA\_F

ClientSampleId :

SP-3

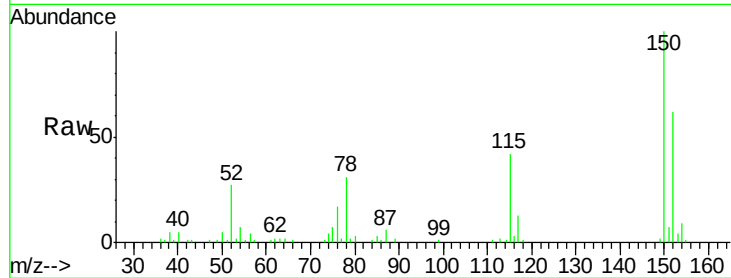
Tgt Ion:152 Resp: 34257

Ion Ratio Lower Upper

152 100

150 160.9 128.1 192.1

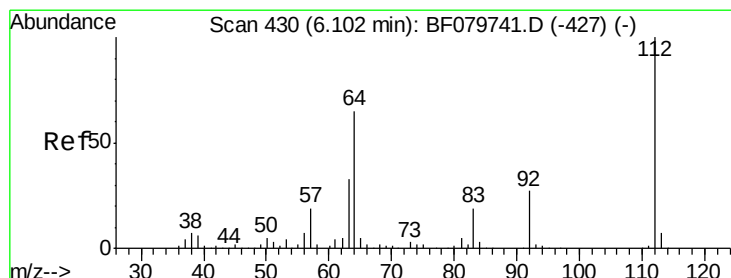
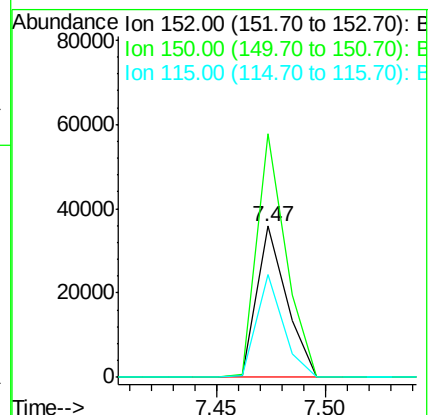
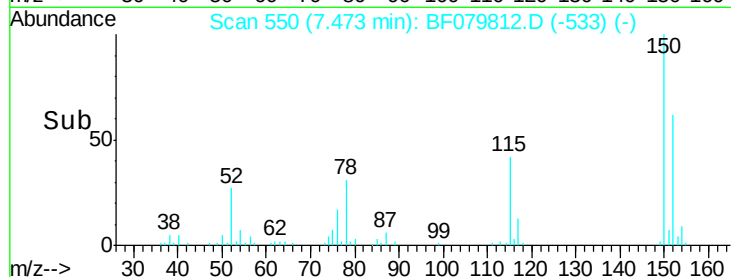
115 67.8 49.7 74.5



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: 186.74 ng

RT: 6.09 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

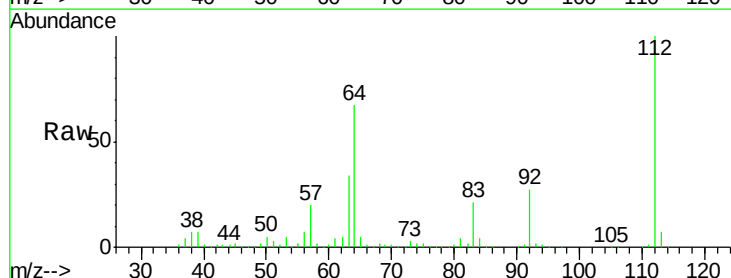
Tgt Ion:112 Resp: 381683

Ion Ratio Lower Upper

112 100

64 66.8 49.6 74.4

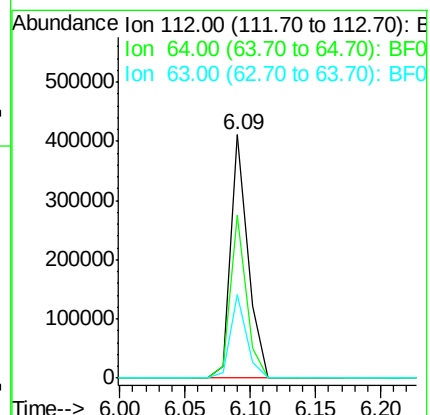
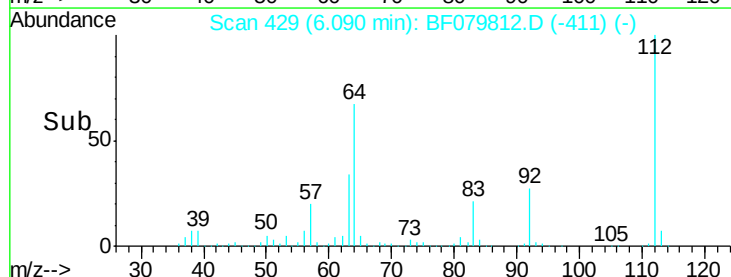
63 34.2 24.9 37.3

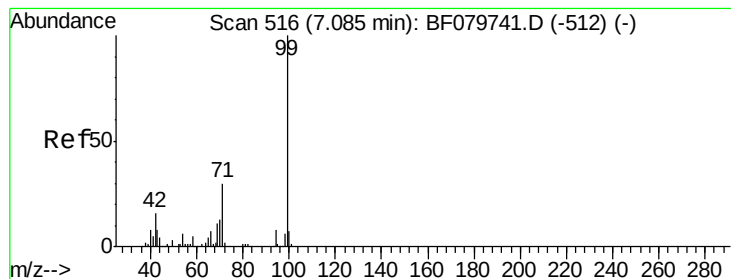


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.50 ng

RT: 7.07 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

Instrument :

BNA\_F

ClientSampleId :

SP-3

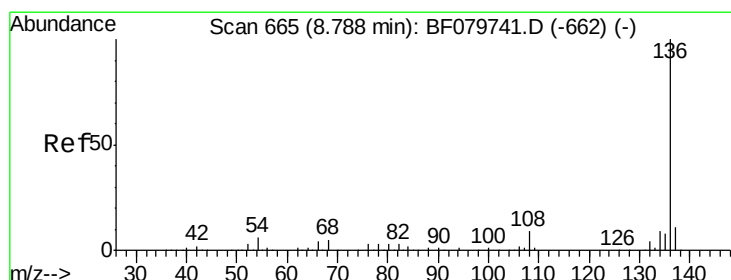
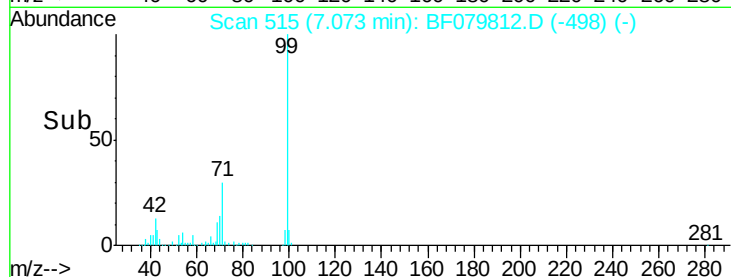
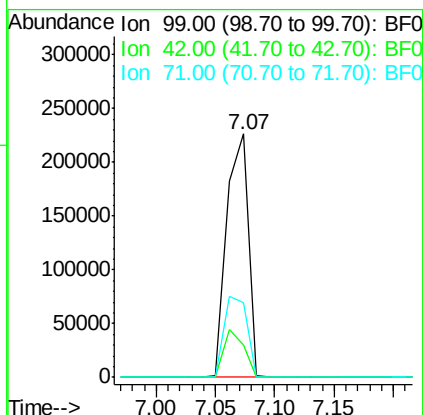
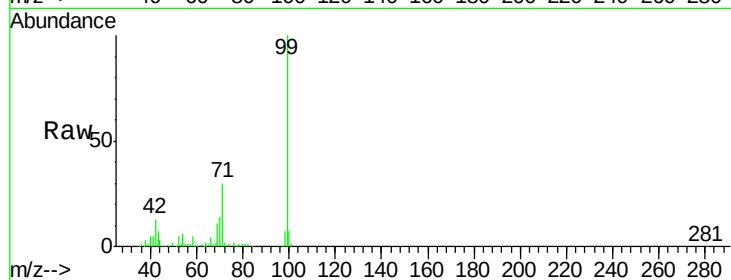
Tgt Ion: 99 Resp: 283781

Ion Ratio Lower Upper

99 100

42 13.4 18.0 27.0#

71 30.4 28.4 42.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

Tgt Ion: 136 Resp: 132478

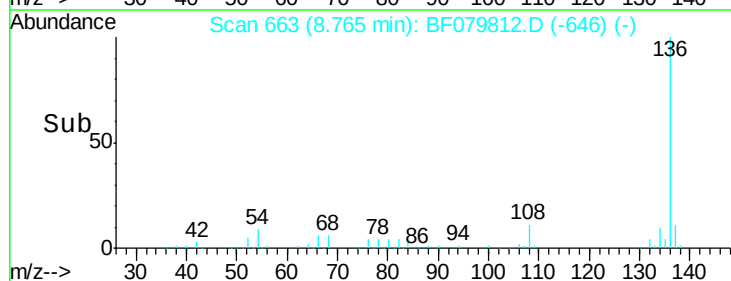
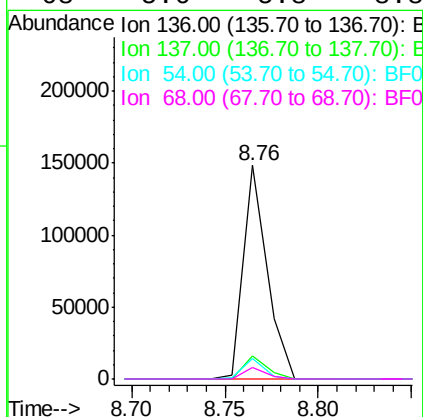
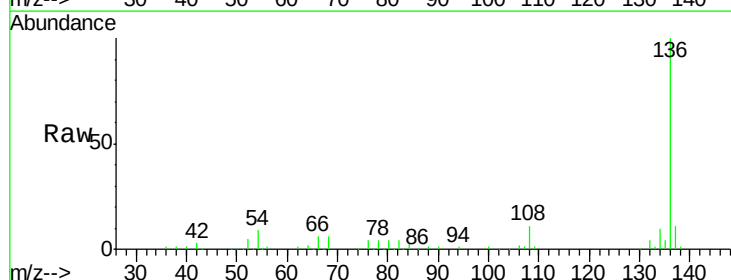
Ion Ratio Lower Upper

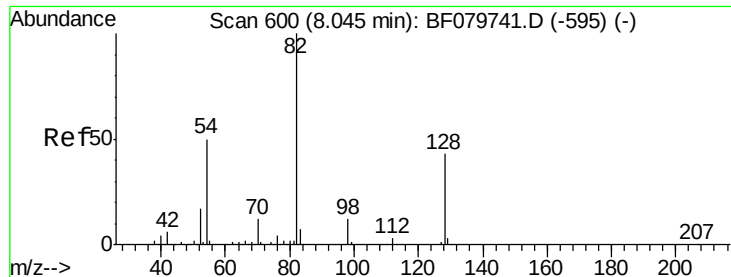
136 100

137 10.8 8.8 13.2

54 9.4 8.7 13.1

68 5.6 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 86.92 ng

RT: 8.03 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

Instrument :

BNA\_F

ClientSampled :

SP-3

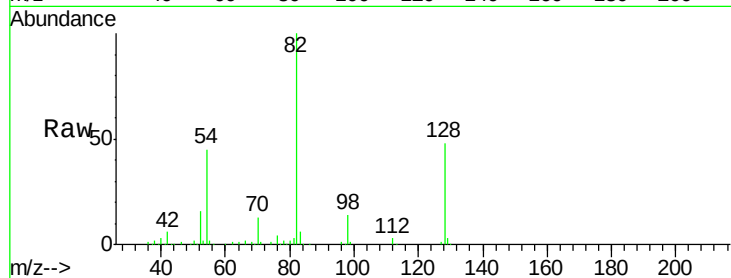
Tgt Ion: 82 Resp: 187556

Ion Ratio Lower Upper

82 100

128 48.4 37.6 56.4

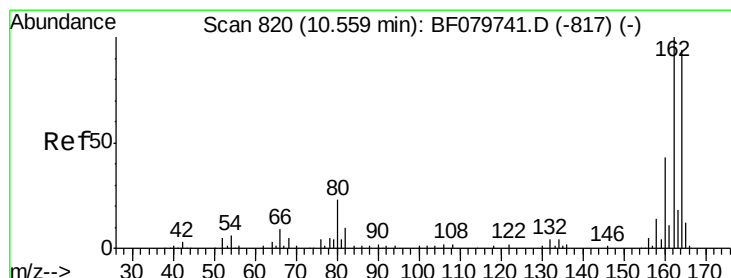
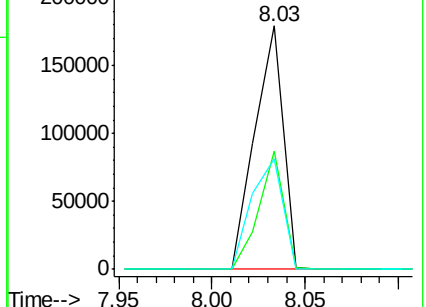
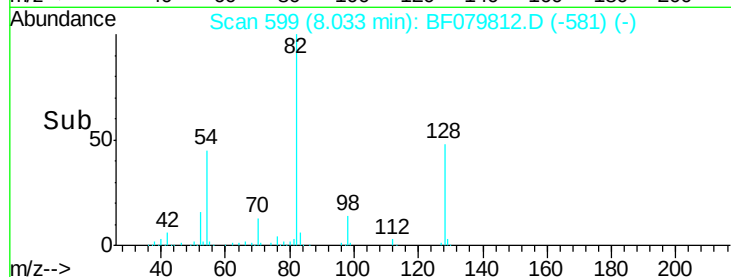
54 45.4 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BF079741.D (-595) (-)

Ion 128.00 (127.70 to 128.70): BF079741.D (-595) (-)

Ion 54.00 (53.70 to 54.70): BF079741.D (-595) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.55 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

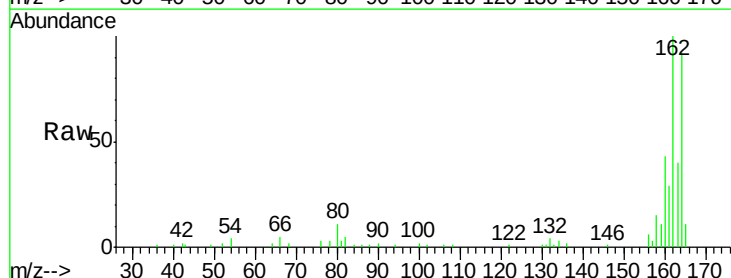
Tgt Ion: 164 Resp: 65374

Ion Ratio Lower Upper

164 100

162 108.6 82.6 123.8

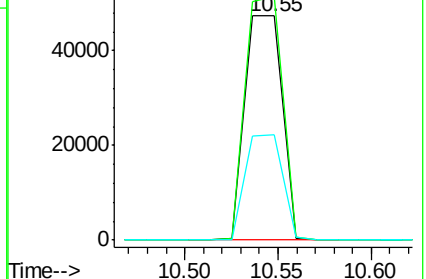
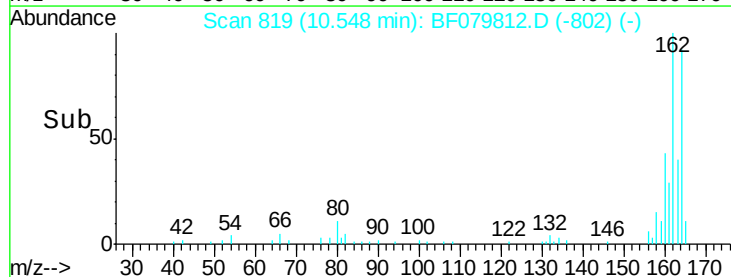
160 47.1 36.8 55.2

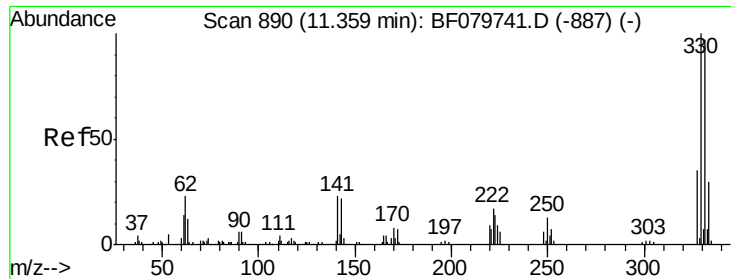


Abundance Ion 164.00 (163.70 to 164.70): BF079741.D (-817) (-)

Ion 162.00 (161.70 to 162.70): BF079741.D (-817) (-)

Ion 160.00 (159.70 to 160.70): BF079741.D (-817) (-)

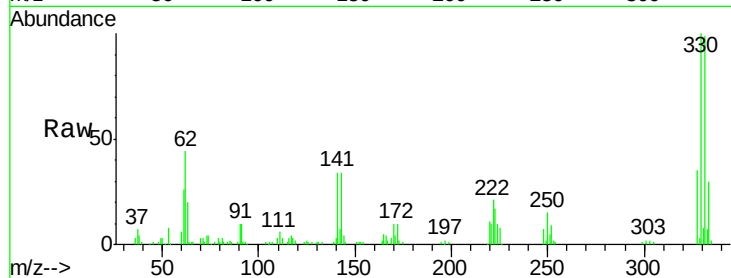




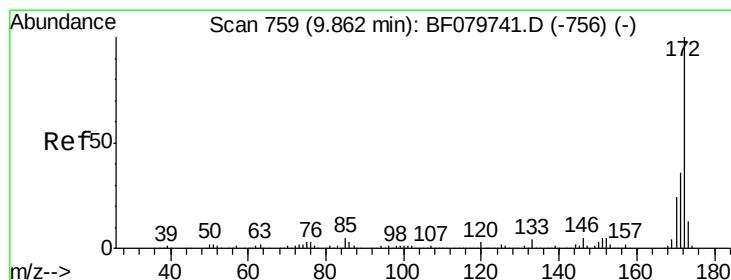
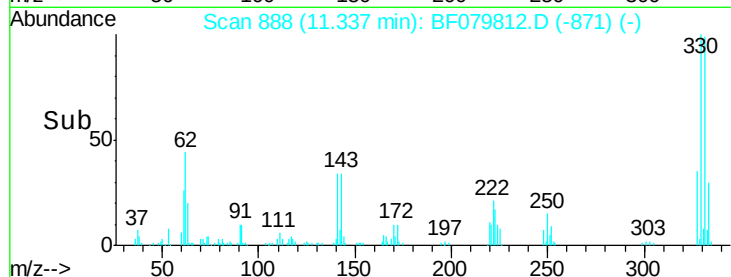
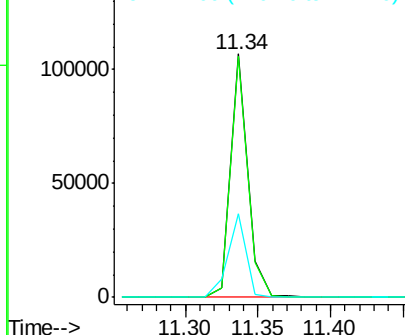
#41  
 2,4,6-Tribromophenol  
 Concen: 140.72 ng  
 RT: 11.34 min Scan# 888  
 Delta R.T. 0.00 min  
 Lab File: BF079812.D  
 Acq: 7 Jun 2015 13:58

Instrument :  
 BNA\_F  
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 SP-3

Tgt Ion:330 Resp: 87987  
 Ion Ratio Lower Upper  
 330 100  
 332 98.6 77.4 116.0  
 141 36.0 30.2 45.2

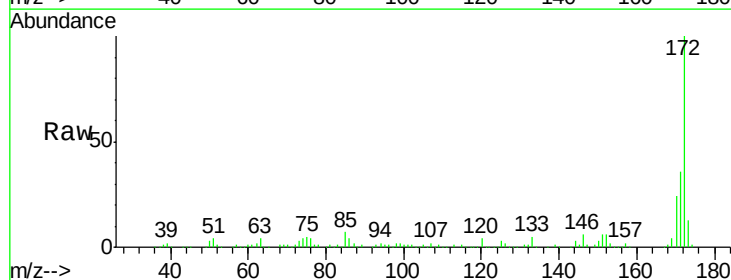


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

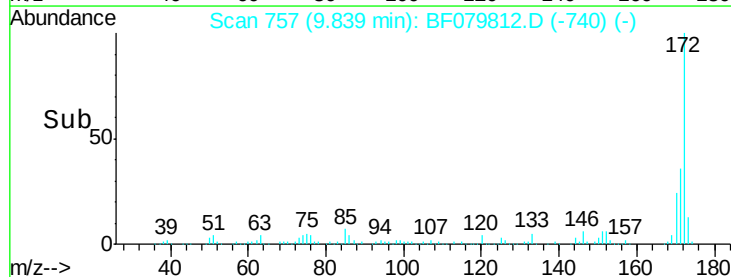
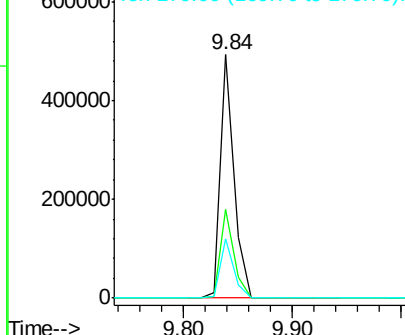


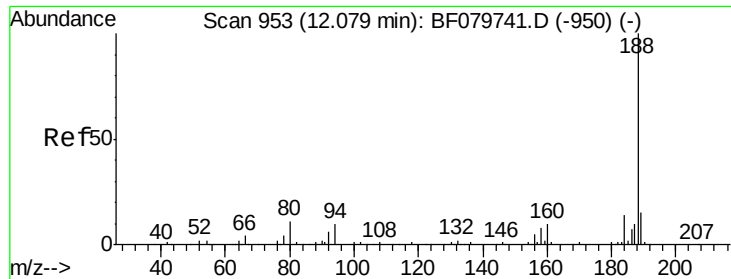
#44  
 2-Fluorobiphenyl  
 Concen: 89.41 ng  
 RT: 9.84 min Scan# 757  
 Delta R.T. 0.00 min  
 Lab File: BF079812.D  
 Acq: 7 Jun 2015 13:58

Tgt Ion:172 Resp: 431457  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 24.3 19.7 29.5



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

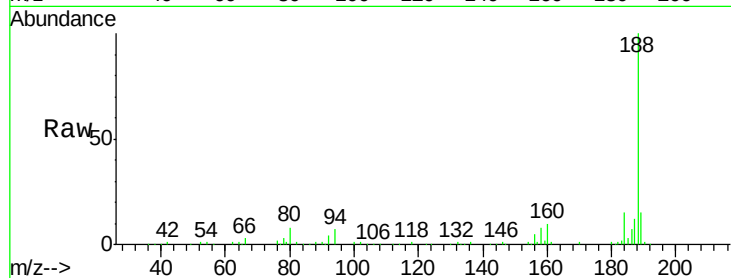




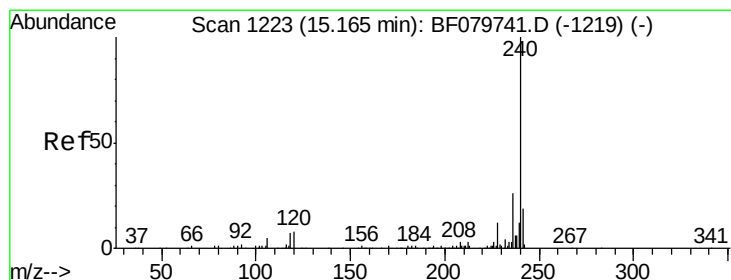
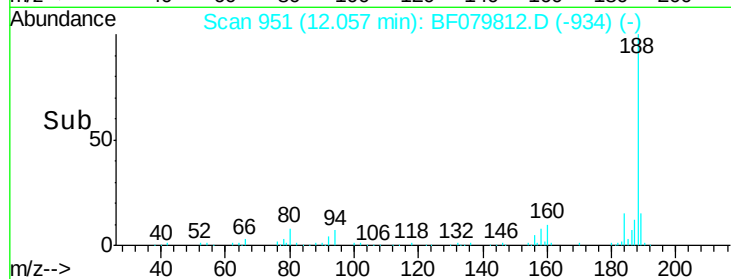
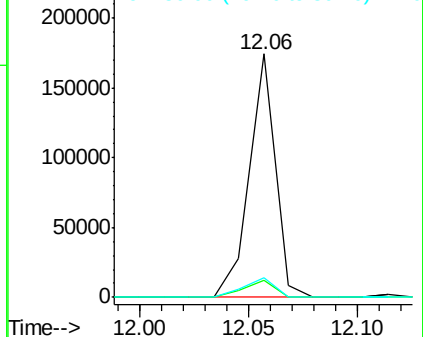
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.06 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: BF079812.D  
Acq: 7 Jun 2015 13:58

Instrument :  
BNA\_F  
ClientSampleId :  
SP-3

Tgt Ion:188 Resp: 144929  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.0 7.4  
80 7.9 5.3 7.9

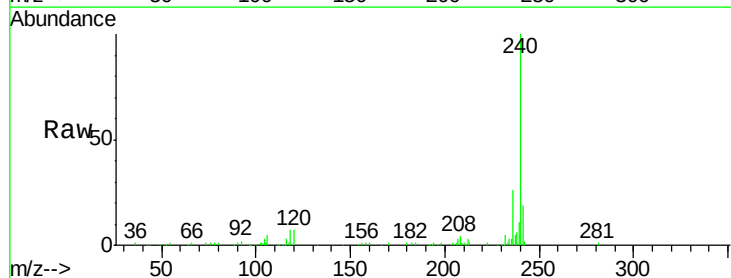


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

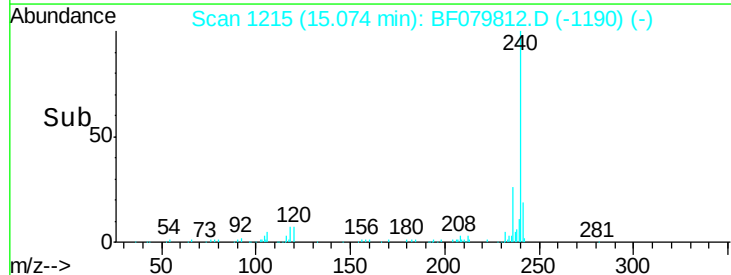
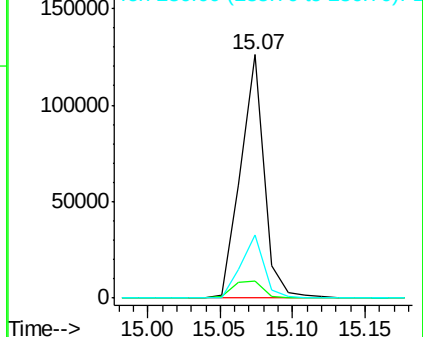


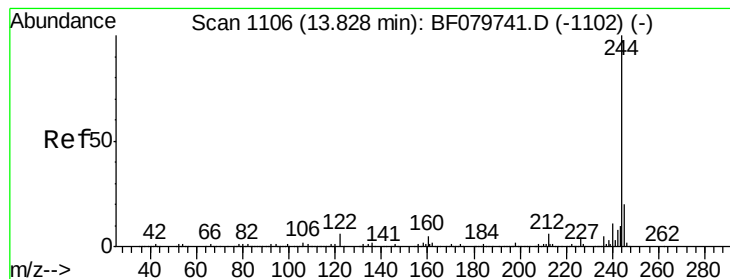
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.07 min Scan# 1215  
Delta R.T. 0.09 min  
Lab File: BF079812.D  
Acq: 7 Jun 2015 13:58

Tgt Ion:240 Resp: 142670  
Ion Ratio Lower Upper  
240 100  
120 7.2 6.2 9.2  
236 25.9 21.0 31.4



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: 92.05 ng

RT: 13.77 min Scan# 1101

Delta R.T. 0.05 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

Instrument :

BNA\_F

ClientSampleId :

SP-3

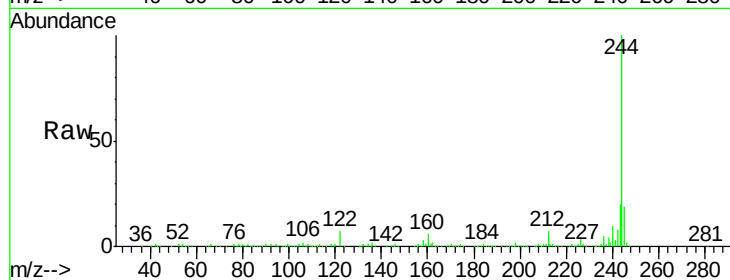
Tgt Ion:244 Resp: 573418

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

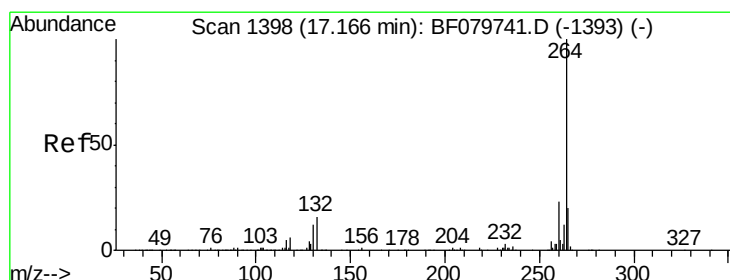
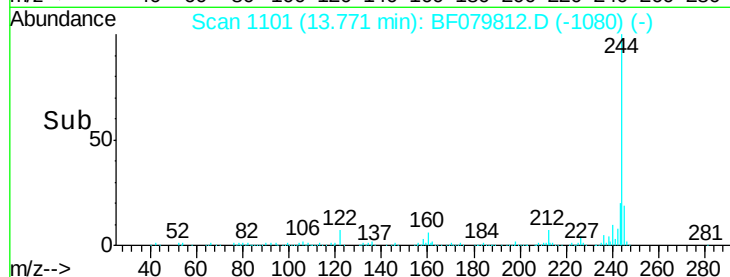
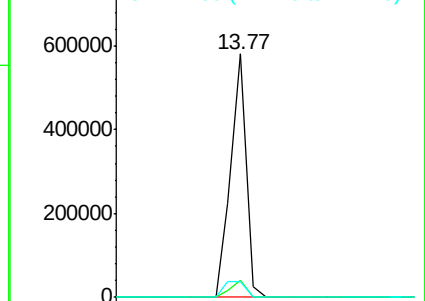
122 6.7 9.3 13.9#



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: 17.04 min Scan# 1387

Delta R.T. 0.14 min

Lab File: BF079812.D

Acq: 7 Jun 2015 13:58

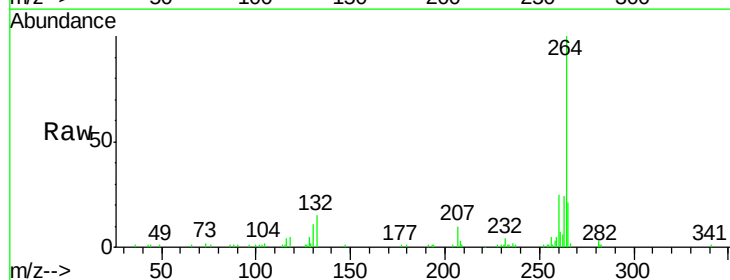
Tgt Ion:264 Resp: 101893

Ion Ratio Lower Upper

264 100

260 25.1 18.6 27.8

265 21.2 18.2 27.4



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

