

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\  
 Data File : BF082359.D  
 Acq On : 19 Oct 2015 16:58  
 Operator : UM/IZ  
 Sample : PB86137BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86137BL

Quant Time: Oct 20 02:04:00 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 20 01:57:16 2015  
 Response via : Initial Calibration

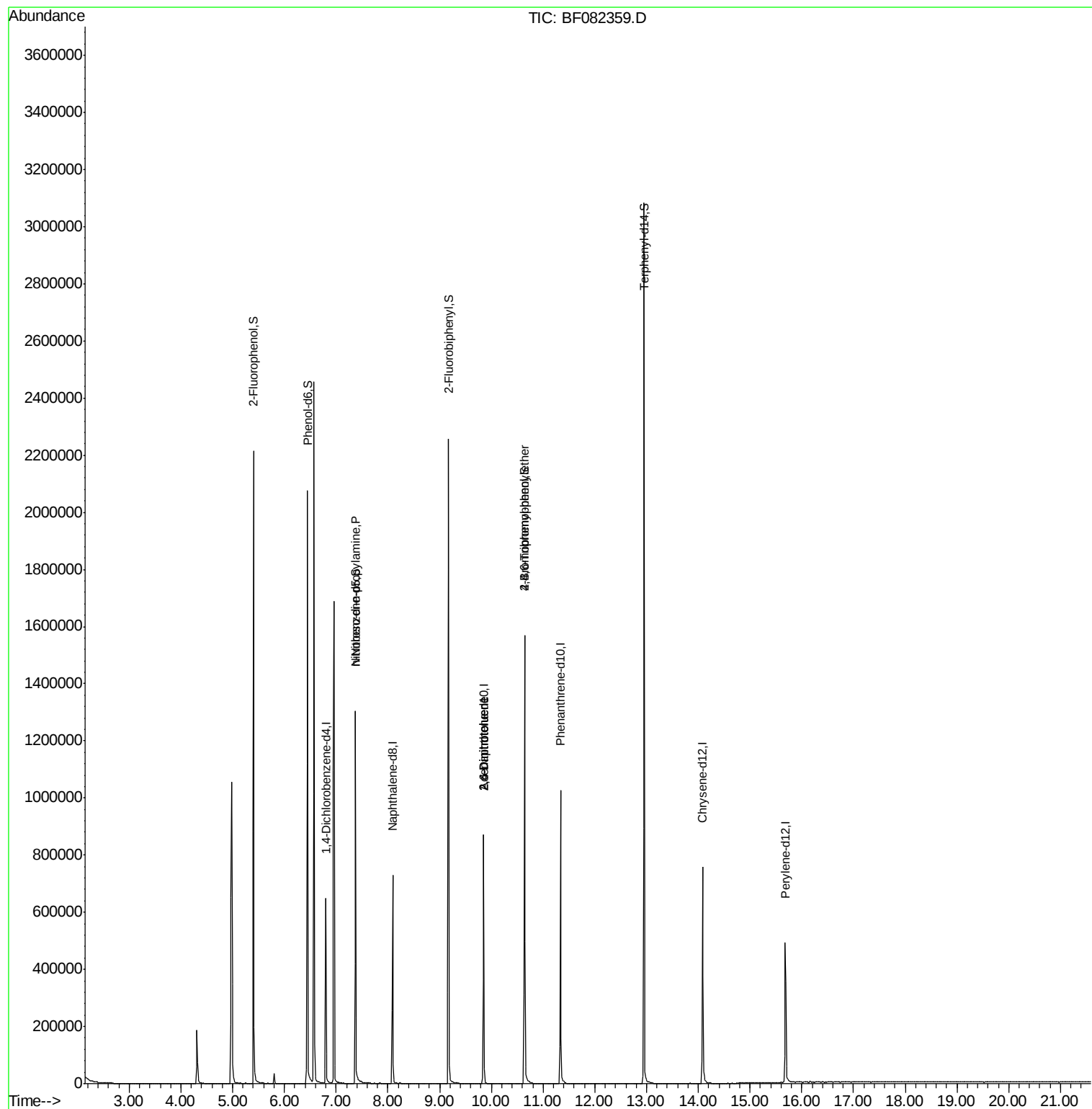
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 104174   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 395334   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 203868   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.34 | 188  | 412125   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.08 | 240  | 360699   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.68 | 264  | 283074   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 667567   | 129.33 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.45  | 99   | 875875   | 130.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 510797   | 86.77  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 205399   | 107.43 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 1125949  | 91.59  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.95 | 244  | 1089042  | 80.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 67851    | 14.38  | ng    | # 80     |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165  | 25593    | 8.45   | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 25593    | 6.76   | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 14751    | 3.58   | ng    | # 1      |

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

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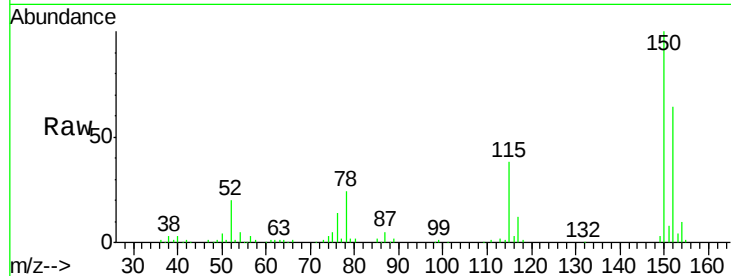


#1

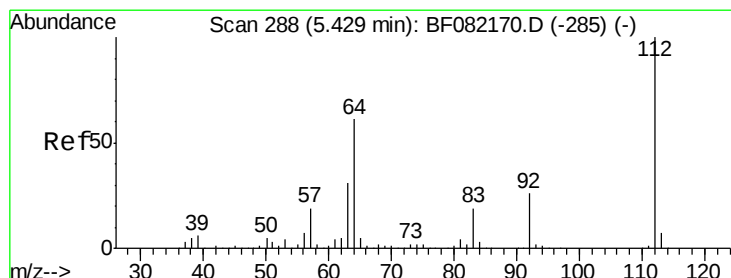
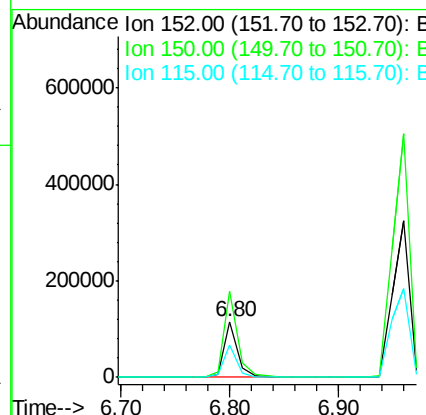
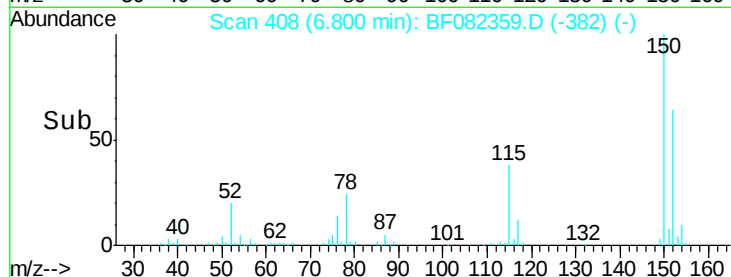
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.80 min Scan# 408  
Delta R.T. -0.00 min  
Lab File: BF082359.D  
Acq: 19 Oct 2015 16:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB86137BL

Tot Ion:152 Resp: 104174  
Ion Ratio Lower Upper  
152 100  
150 155.8 129.0 193.4  
115 59.1 52.1 78.1



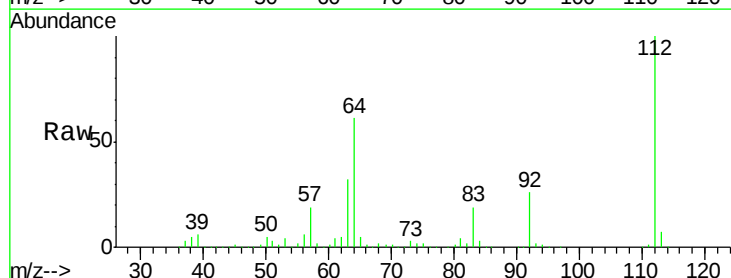
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



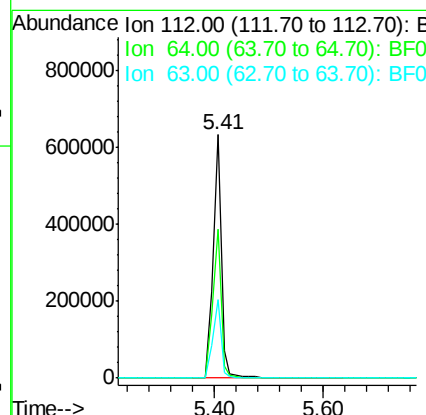
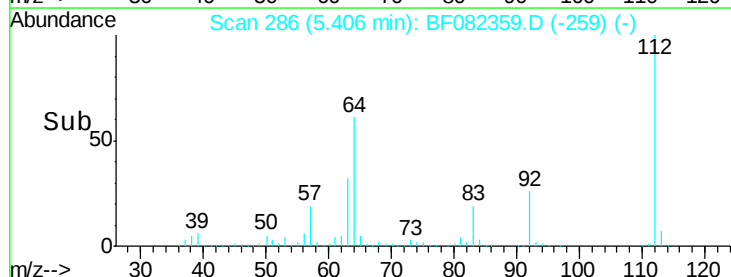
#5

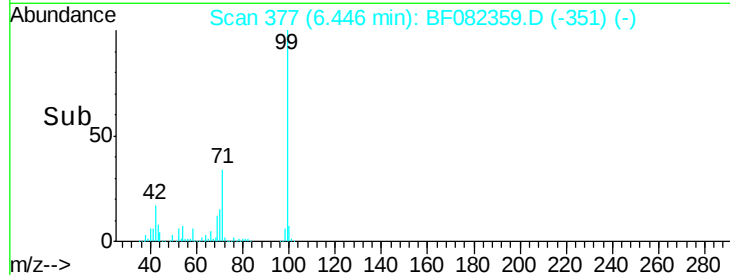
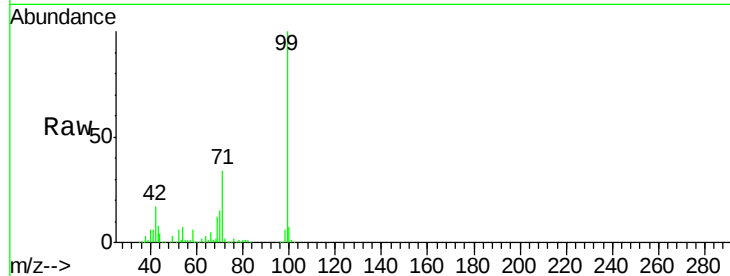
2-Fluorophenol  
Concen: 129.33 ng  
RT: 5.41 min Scan# 286  
Delta R.T. 0.01 min  
Lab File: BF082359.D  
Acq: 19 Oct 2015 16:58

Tgt Ion:112 Resp: 667567  
Ion Ratio Lower Upper  
112 100  
64 60.9 48.6 73.0  
63 32.2 25.1 37.7



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: 130.40 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Instrument :

BNA\_F

ClientSampled :

PB86137BL

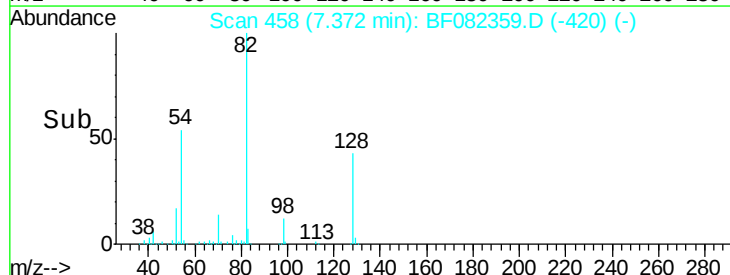
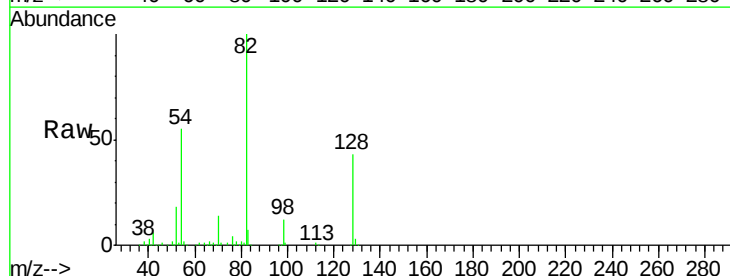
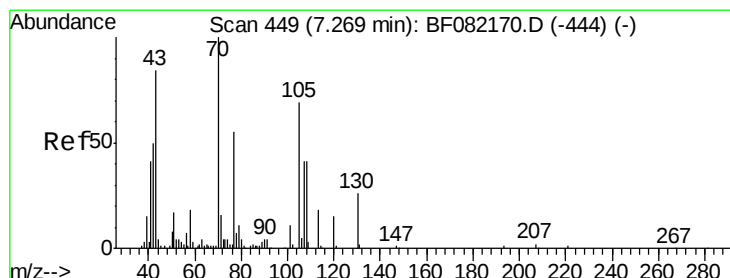
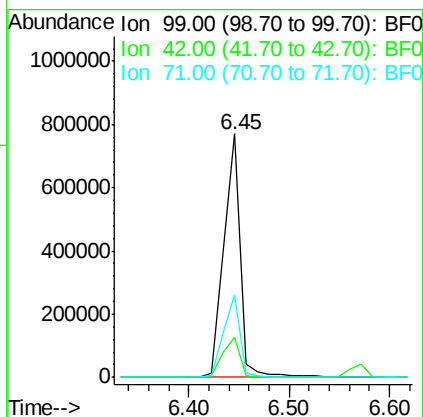
Tot Ion: 99 Resp: 875875

Ion Ratio Lower Upper

99 100

42 16.5 13.2 19.8

71 33.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.38 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.14 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Tgt Ion: 70 Resp: 67851

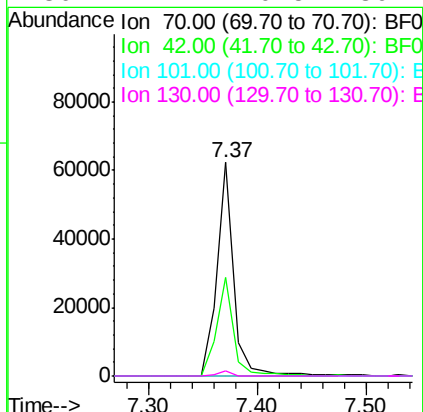
Ion Ratio Lower Upper

70 100

42 46.1 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Instrument :

BNA\_F

ClientSampleId :

PB86137BL

Tot Ion:136 Resp: 395334

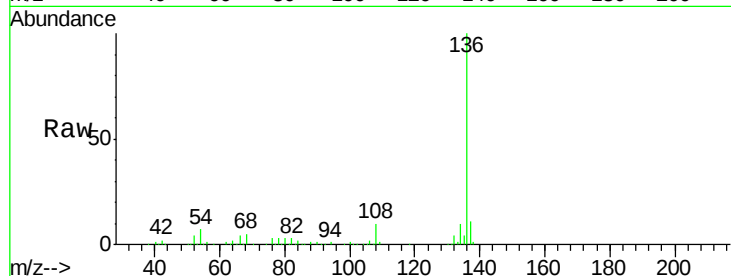
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 7.2 7.5 11.3#

68 4.7 4.6 7.0

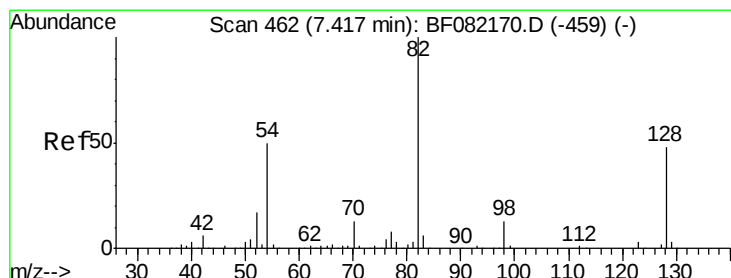
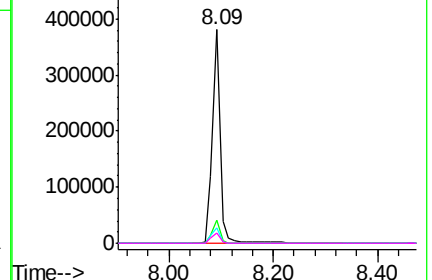
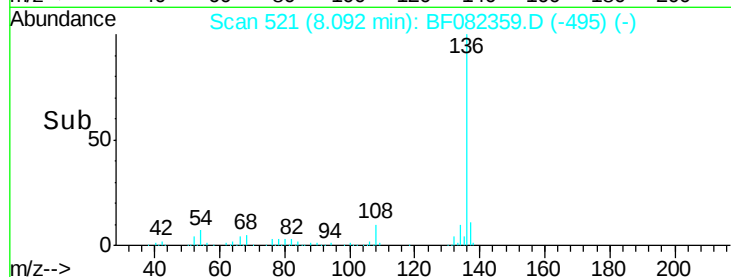


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.77 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

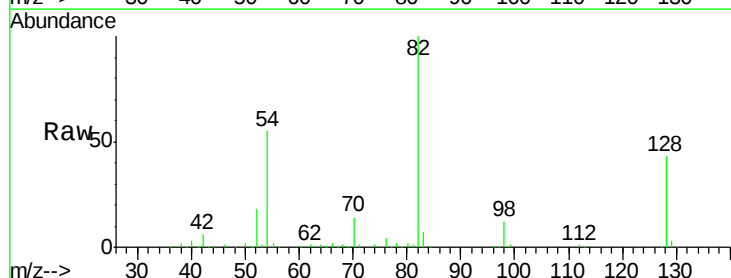
Tgt Ion: 82 Resp: 510797

Ion Ratio Lower Upper

82 100

128 43.3 38.7 58.1

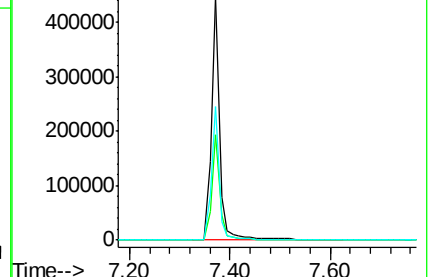
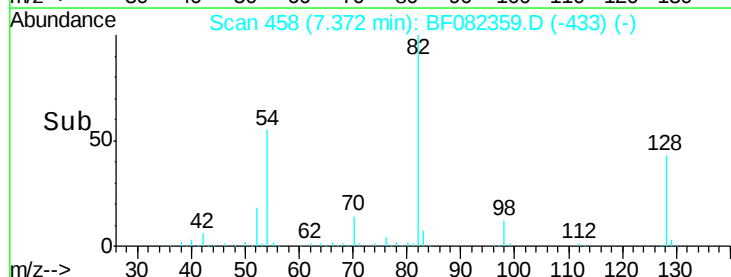
54 54.6 40.1 60.1

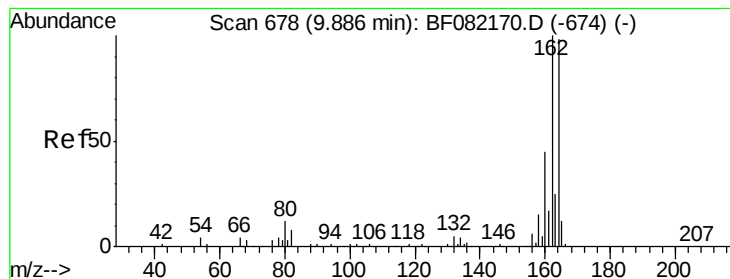


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.85 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Instrument :

BNA\_F

ClientSampled :

PB86137BL

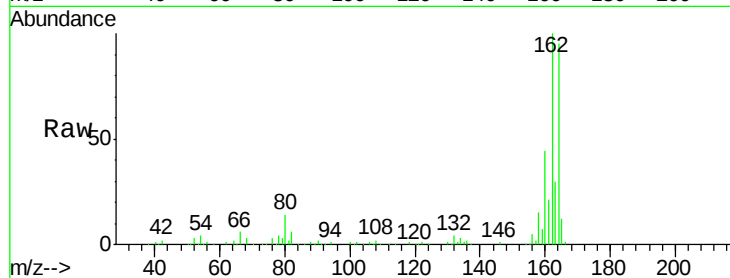
Tot Ion:164 Resp: 203868

Ion Ratio Lower Upper

164 100

162 105.6 81.6 122.4

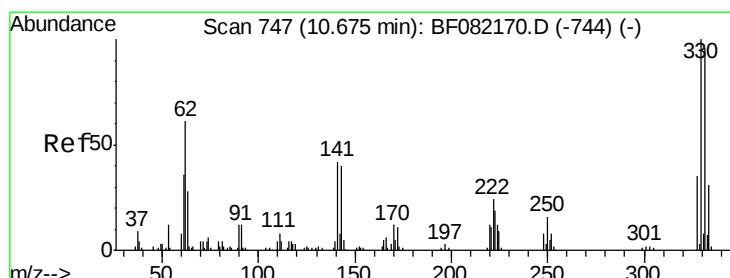
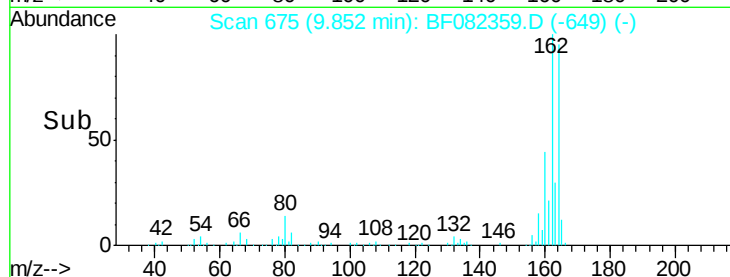
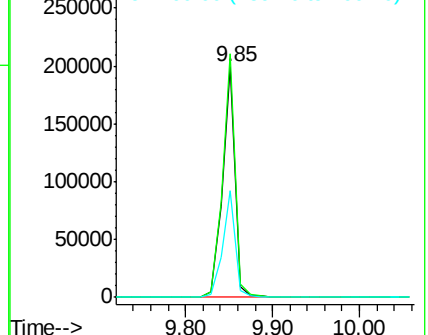
160 46.4 36.4 54.6



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: 107.43 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

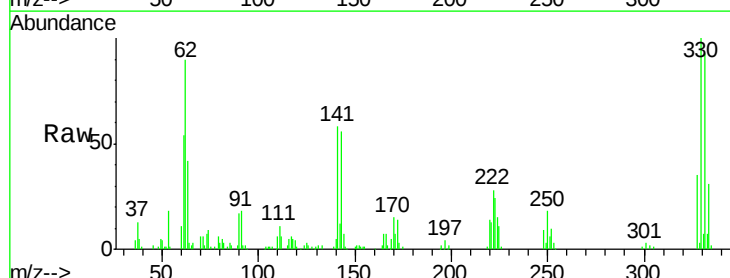
Tgt Ion:330 Resp: 205399

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

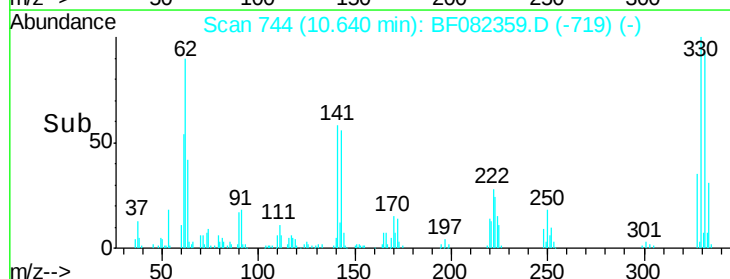
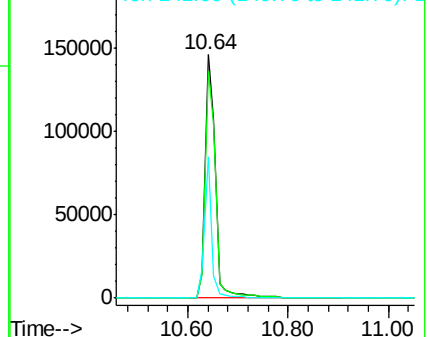
141 41.8 29.8 44.8

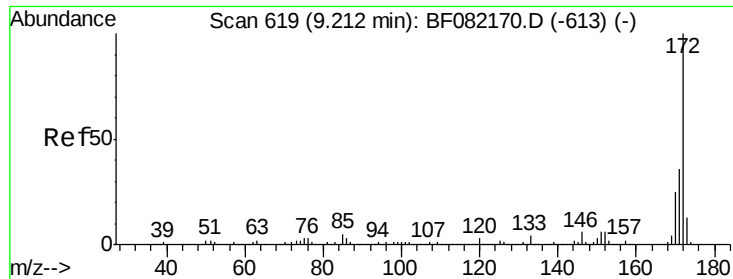


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

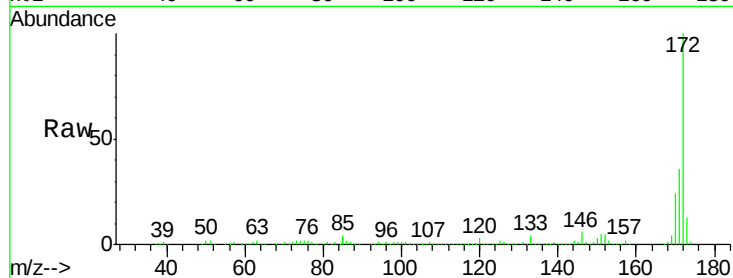




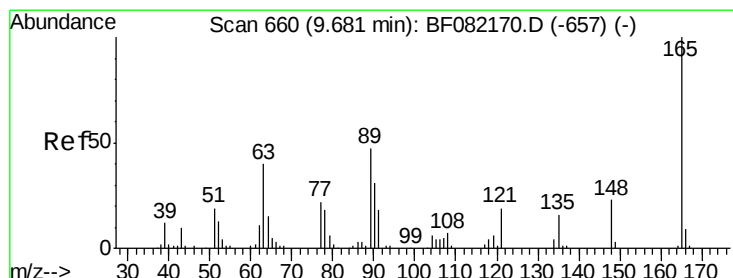
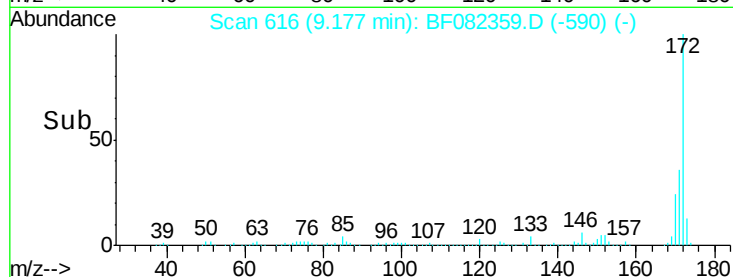
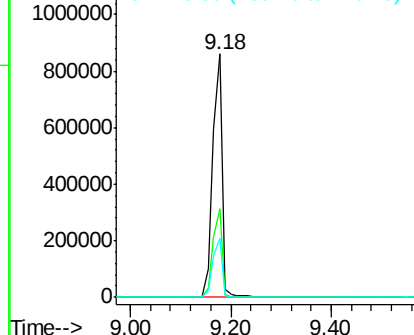
#44  
 2-Fluorobiphenyl  
 Concen: 91.59 ng  
 RT: 9.18 min Scan# 616  
 Delta R.T. -0.00 min  
 Lab File: BF082359.D  
 Acq: 19 Oct 2015 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86137BL

Tot Ion:172 Resp: 1125949  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.6 42.8  
 170 24.2 19.7 29.5

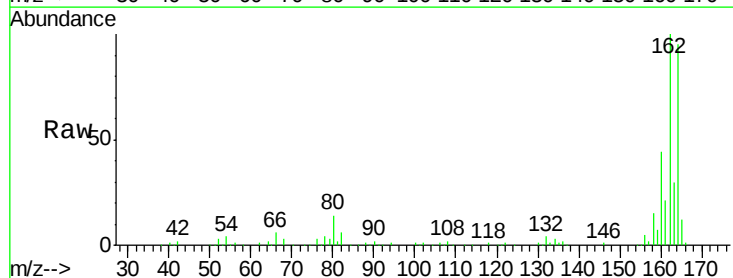


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

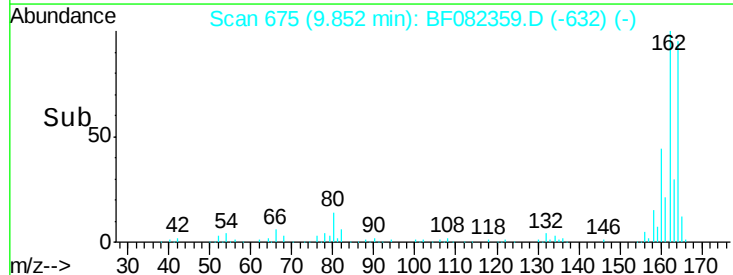
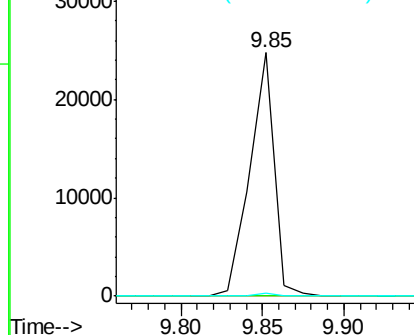


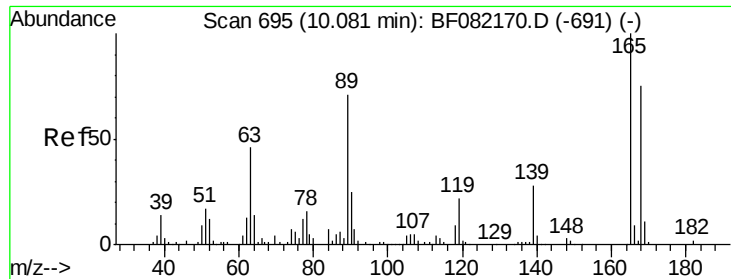
#50  
 2,6-Dinitrotoluene  
 Concen: 8.45 ng  
 RT: 9.85 min Scan# 675  
 Delta R.T. 0.19 min  
 Lab File: BF082359.D  
 Acq: 19 Oct 2015 16:58

Tgt Ion:165 Resp: 25593  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.7 55.1#  
 89 1.5 37.8 56.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

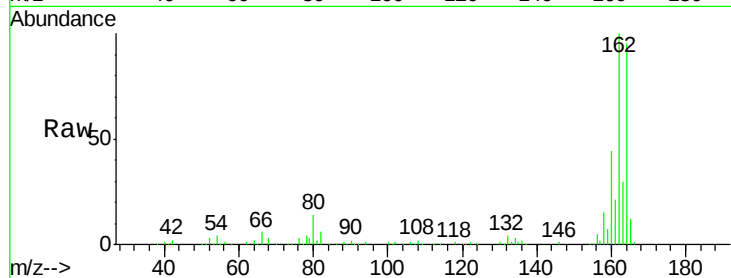




#56  
 2,4-Dinitrotoluene  
 Concen: 6.76 ng  
 RT: 9.85 min Scan# 675  
 Delta R.T. -0.21 min  
 Lab File: BF082359.D  
 Acq: 19 Oct 2015 16:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86137BL

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 25593      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 38.6 58.0# |
| 89          | 1.5   | 57.0 85.6# |
| 182         | 0.0   | 1.8 2.6#   |

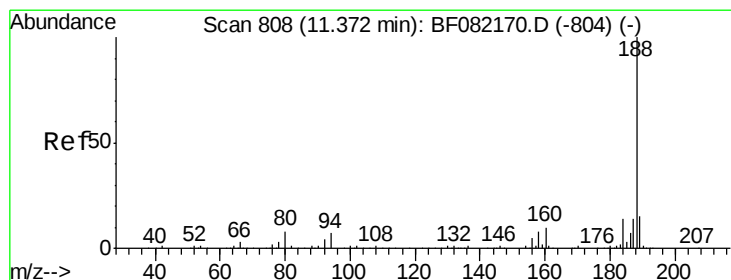
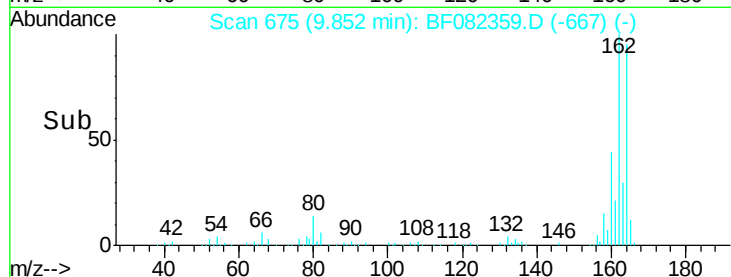
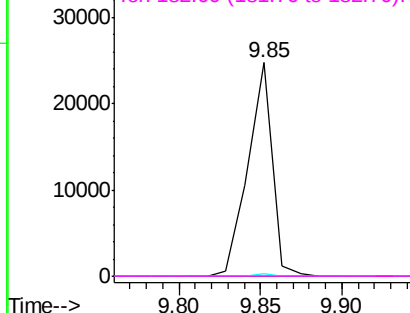


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

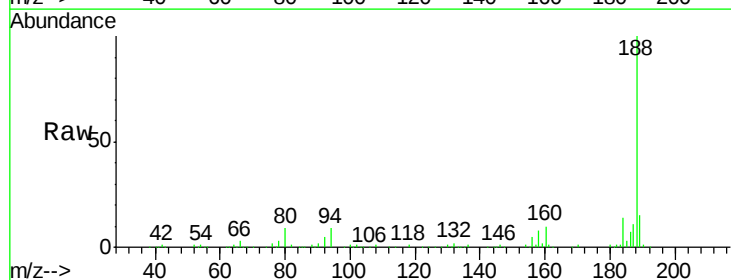
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: BF082359.D  
 Acq: 19 Oct 2015 16:58

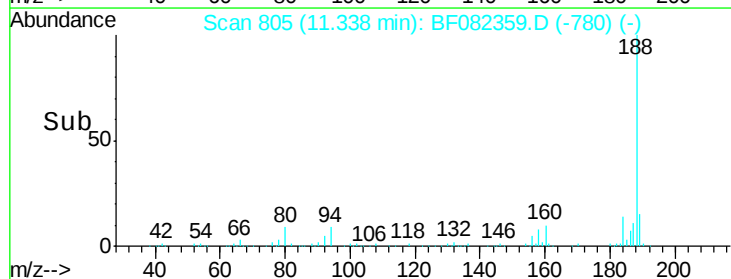
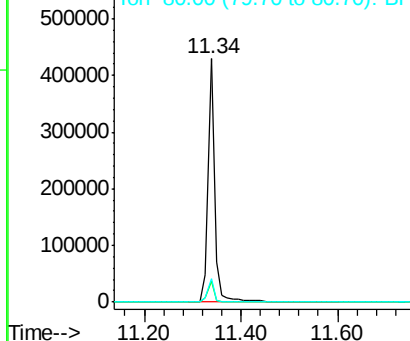
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 412125   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 8.7   | 5.8 8.6# |
| 80          | 9.5   | 6.4 9.6  |

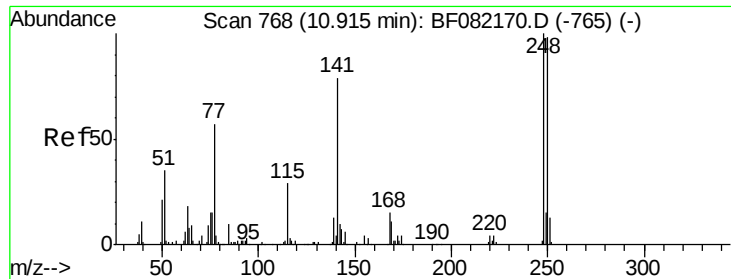


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.58 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.25 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Instrument :

BNA\_F

ClientSampled :

PB86137BL

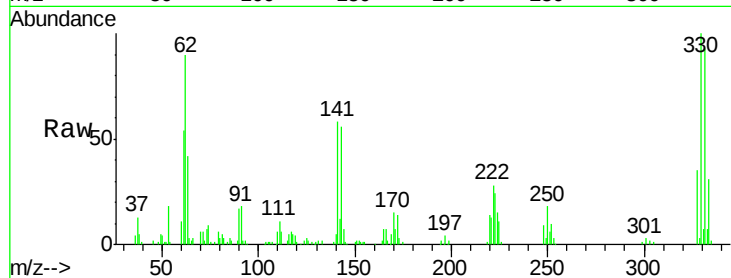
Tot Ion:248 Resp: 14751

Ion Ratio Lower Upper

248 100

250 191.4 78.6 117.8#

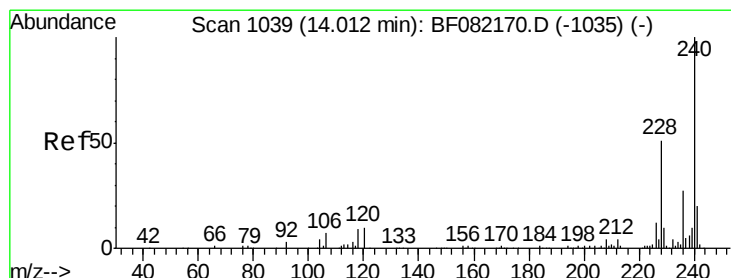
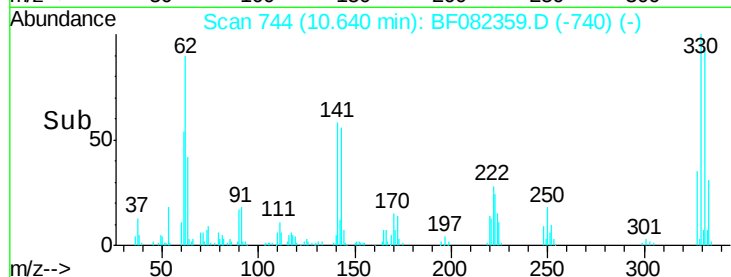
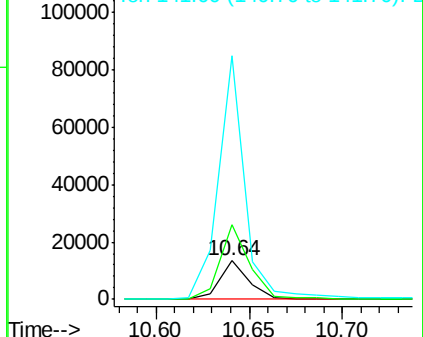
141 629.4 63.3 94.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

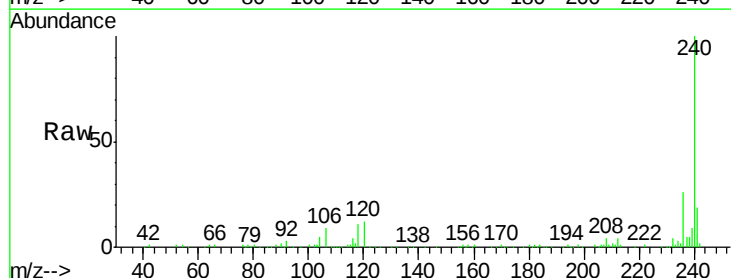
Tgt Ion:240 Resp: 360699

Ion Ratio Lower Upper

240 100

120 12.5 8.1 12.1#

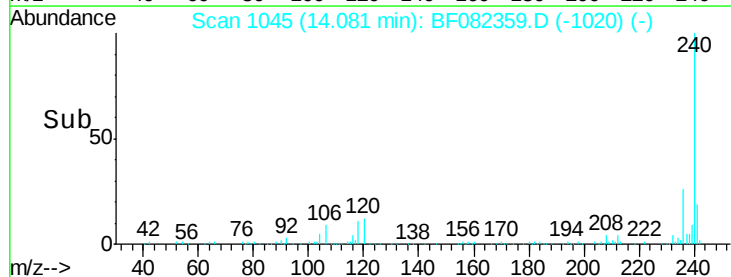
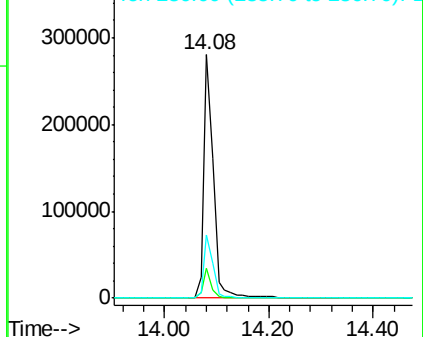
236 25.8 21.3 31.9

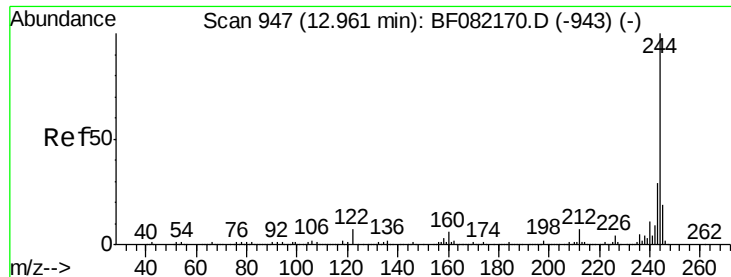


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.01 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

Instrument :

BNA\_F

ClientSampleId :

PB86137BL

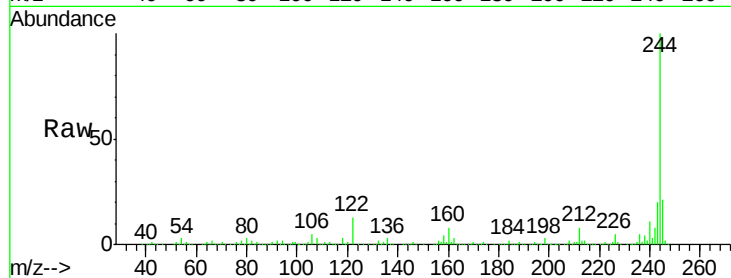
Tot Ion:244 Resp: 1089042

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.6

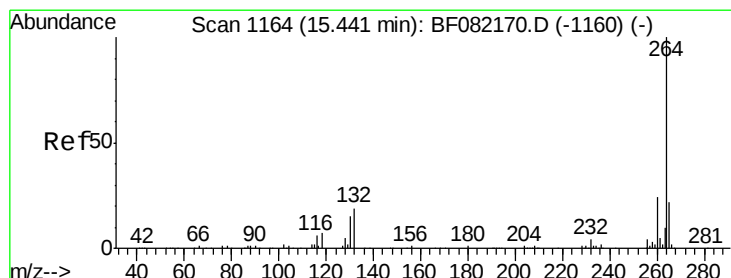
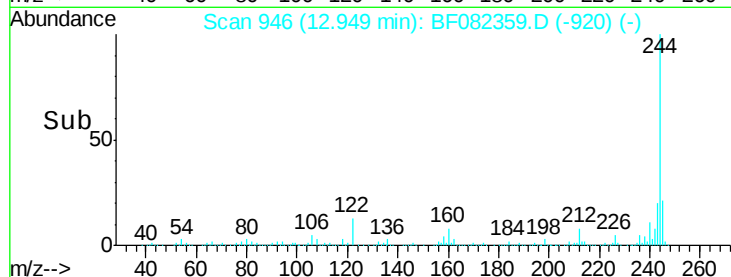
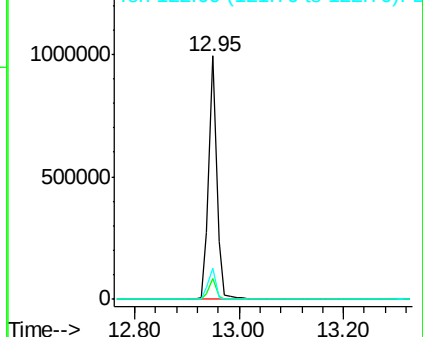
122 12.6 5.9 8.9#



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: 15.68 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF082359.D

Acq: 19 Oct 2015 16:58

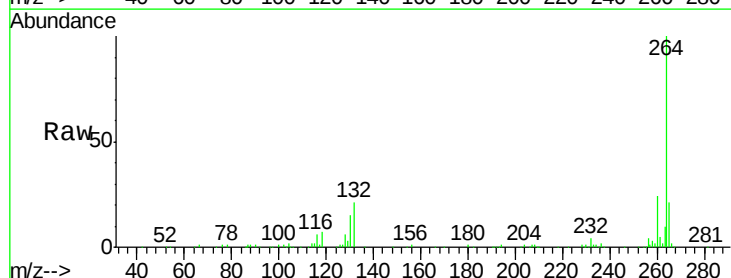
Tgt Ion:264 Resp: 283074

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.2 17.3 25.9



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

