

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\  
 Data File : BF082563.D  
 Acq On : 27 Oct 2015 23:09  
 Operator : UM/IZ  
 Sample : G4157-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WOOD-2

Quant Time: Oct 28 02:50:37 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:43:58 2015  
 Response via : Initial Calibration

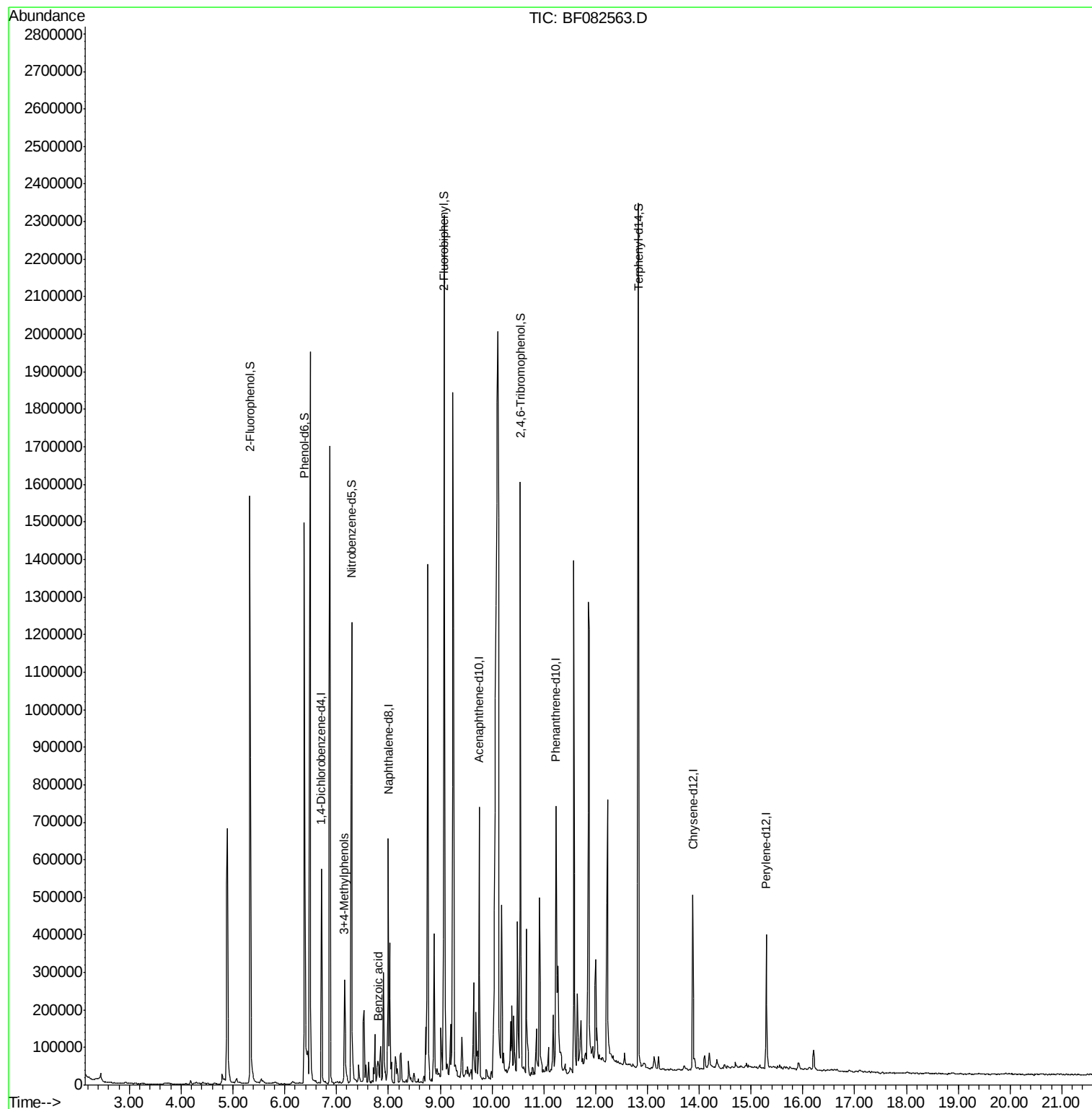
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 83675m   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.00  | 136  | 348556   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.75  | 164  | 155294   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.23 | 188  | 279990   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.88 | 240  | 184971   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.29 | 264  | 164430   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 564232   | 133.12 | ng    | 0.01     |
| 7) Phenol-d6                | 6.38  | 99   | 640326   | 115.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 529295   | 97.96  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 170576   | 146.68 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 956986   | 97.99  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.82 | 244  | 727246   | 113.27 | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 20) 3+4-Methylphenols       | 7.15  | 107  | 95201    | 18.69  | ng    | 84       |
| 32) Benzoic acid            | 7.81  | 122  | 8877     | 3.35   | ng    | 96       |

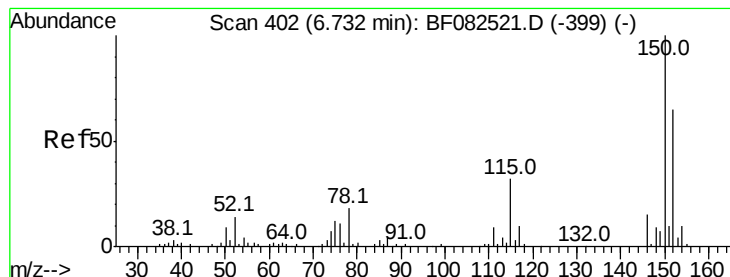
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.71 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

Instrument :

BNA\_F

ClientSampleId :

WOOD-2

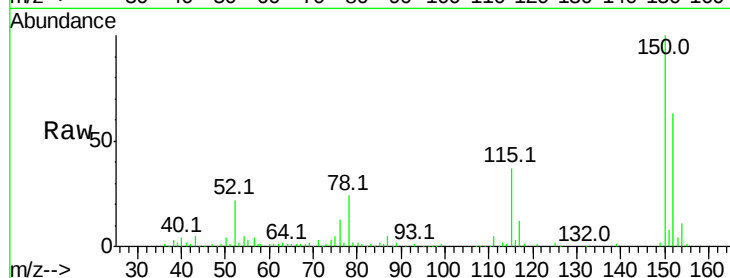
Tot Ion:152 Resp: 83675

Ion Ratio Lower Upper

152 100

150 159.1 123.4 185.0

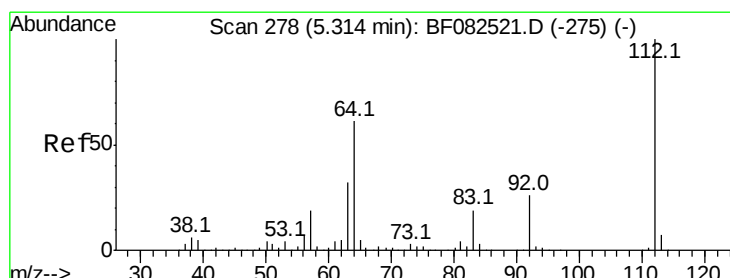
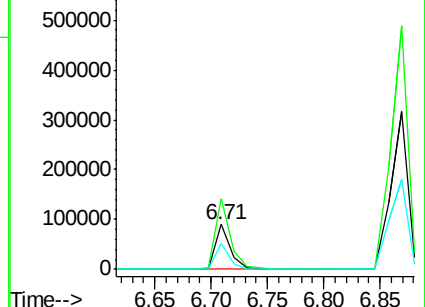
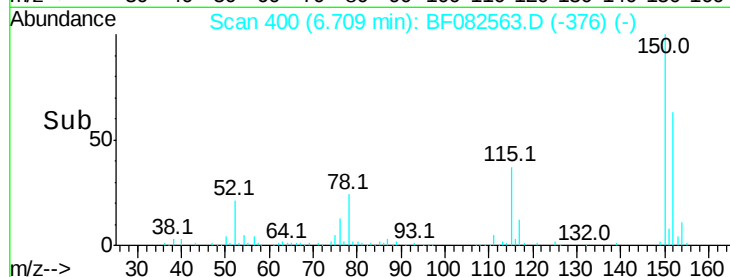
115 59.1 39.0 58.4#



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: 133.12 ng/mL

RT: 5.33 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

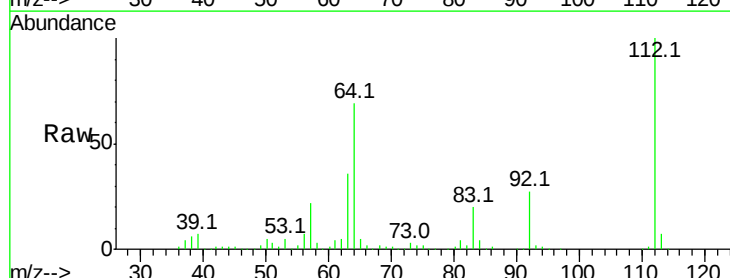
Tgt Ion:112 Resp: 564232

Ion Ratio Lower Upper

112 100

64 68.6 49.0 73.4

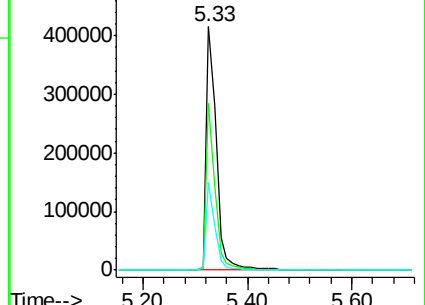
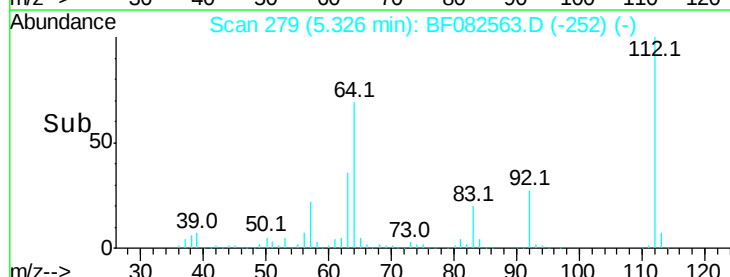
63 36.1 25.8 38.6

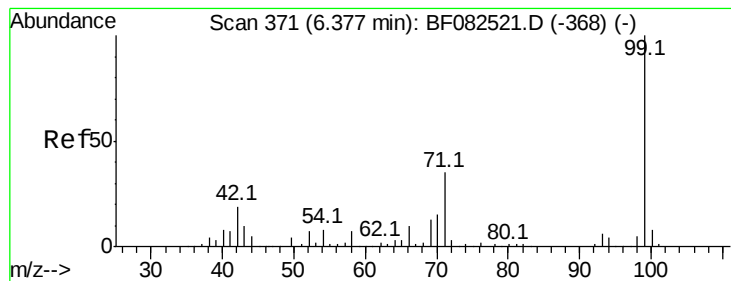


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.91 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

Instrument :

BNA\_F

ClientSampleId :

WOOD-2

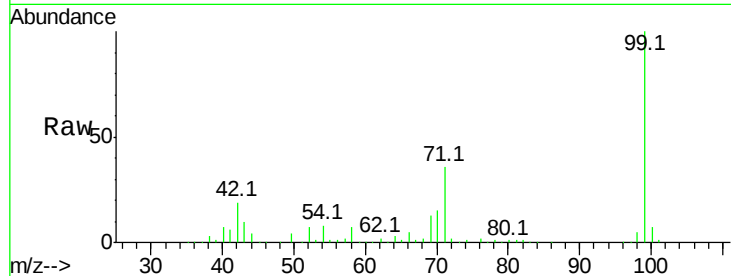
Tot Ion: 99 Resp: 640326

Ion Ratio Lower Upper

99 100

42 19.1 15.1 22.7

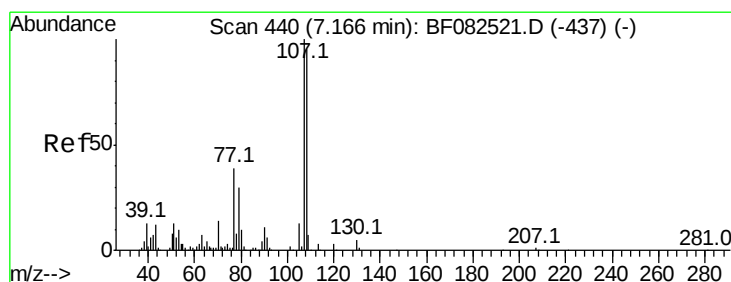
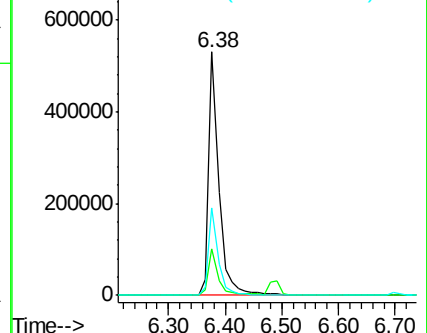
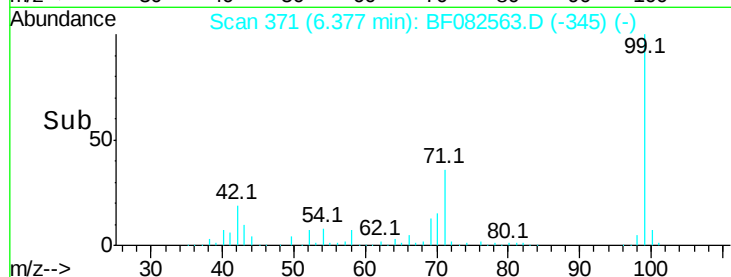
71 35.8 28.2 42.2



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



#20

3+4-Methylphenols

Concen: 18.69 ng

RT: 7.15 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

Tgt Ion:107 Resp: 95201

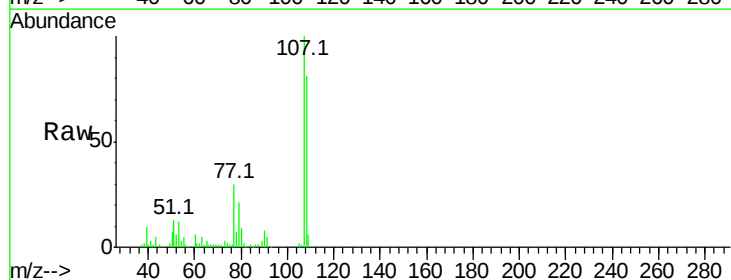
Ion Ratio Lower Upper

107 100

108 80.5 74.8 114.8

77 30.0 20.3 60.3

79 21.1 10.2 50.2

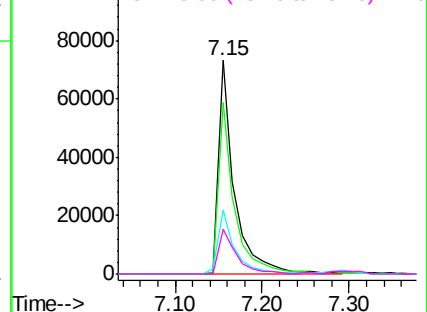
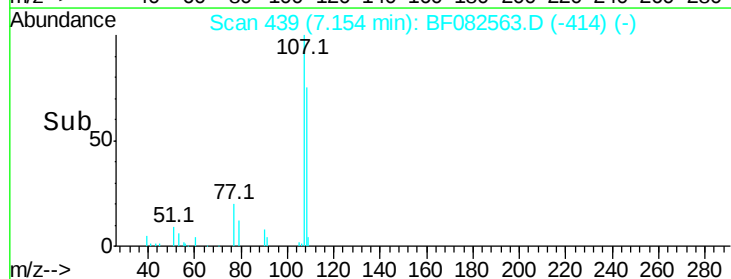


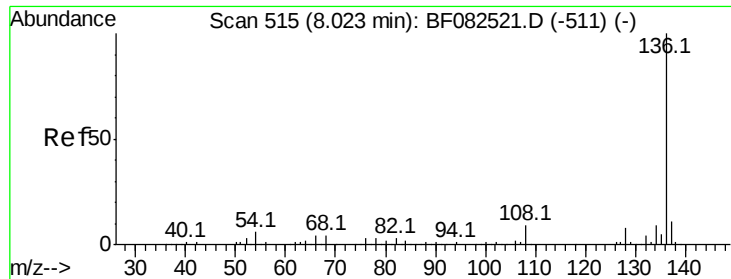
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

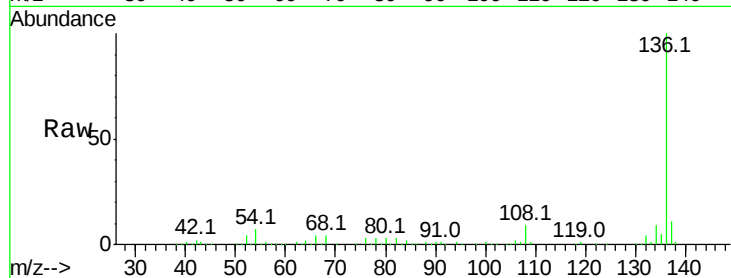




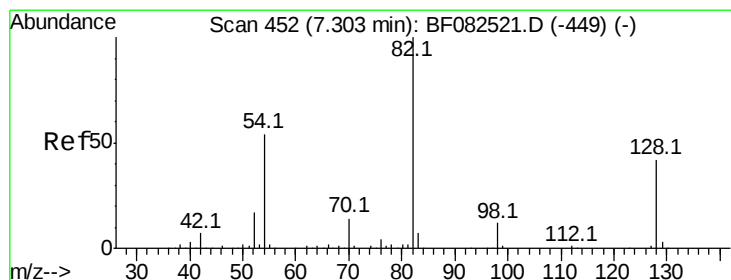
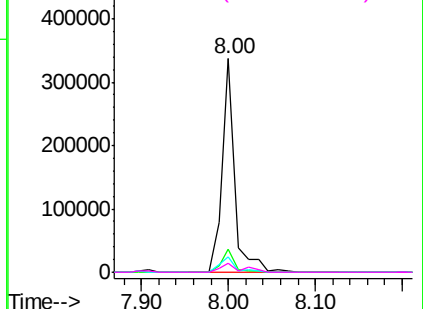
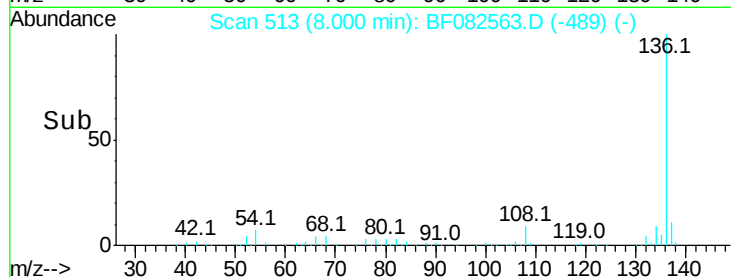
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 513  
Delta R.T. -0.02 min  
Lab File: BF082563.D  
Acq: 27 Oct 2015 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
WOOD-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 348556 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 7.0   | 4.6   | 7.0#   |
| 68       | 4.5   | 3.2   | 4.8    |

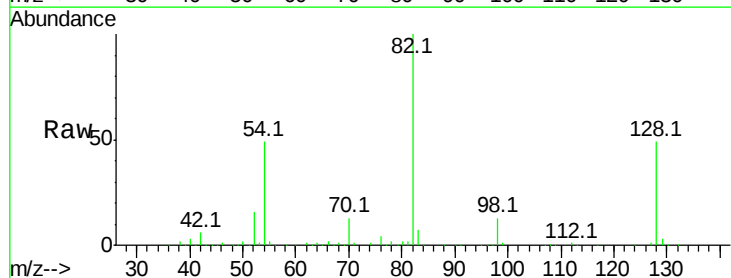


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

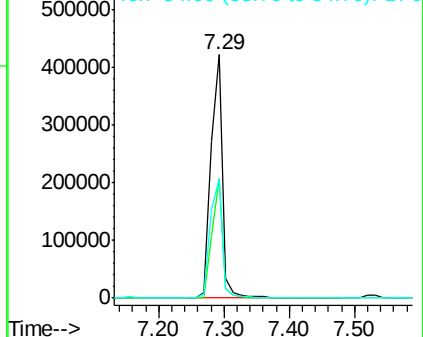
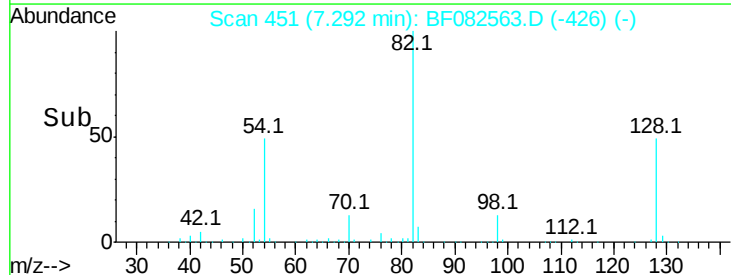


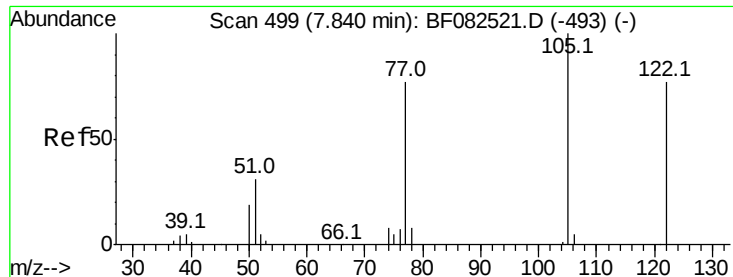
#23  
Nitrobenzene-d5  
Concen: 97.96 ng  
RT: 7.29 min Scan# 451  
Delta R.T. -0.01 min  
Lab File: BF082563.D  
Acq: 27 Oct 2015 23:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 529295 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 49.1  | 33.4  | 50.0   |
| 54       | 49.3  | 43.5  | 65.3   |



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

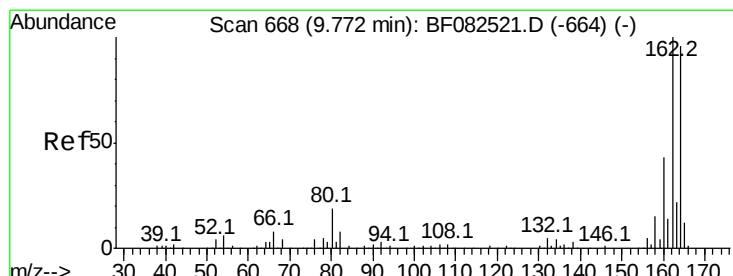
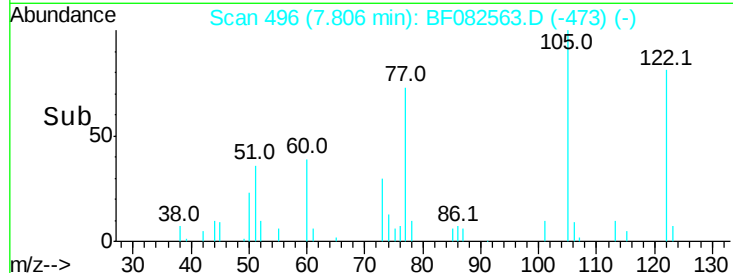
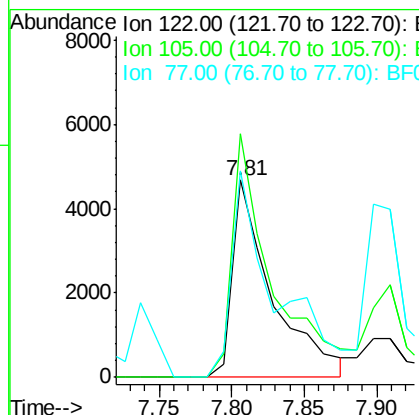
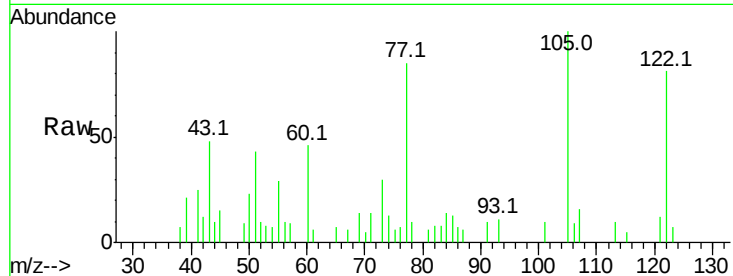




#32  
Benzoic acid  
Concen: 3.35 ng  
RT: 7.81 min Scan# 496  
Delta R.T. -0.03 min  
Lab File: BF082563.D  
Acq: 27 Oct 2015 23:09

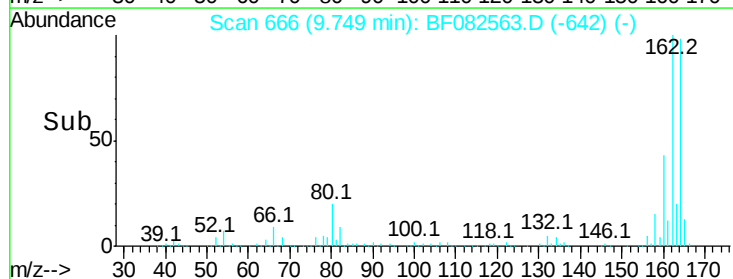
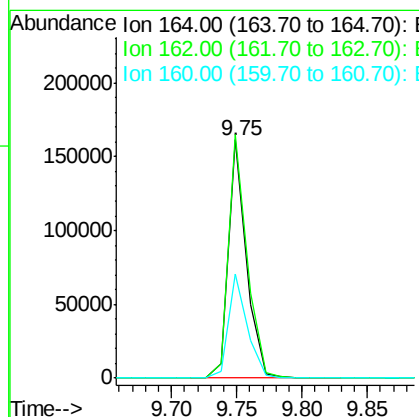
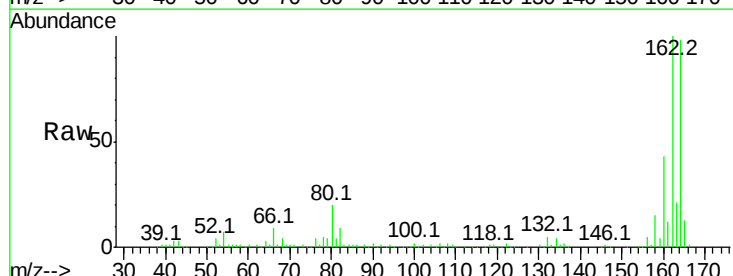
Instrument :  
BNA\_F  
ClientSampleId :  
WOOD-2

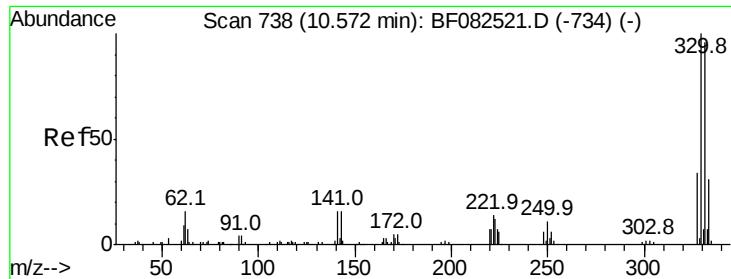
Tot Ion:122 Resp: 8877  
Ion Ratio Lower Upper  
122 100  
105 123.5 106.4 146.4  
77 104.4 79.1 119.1



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.75 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF082563.D  
Acq: 27 Oct 2015 23:09

Tgt Ion:164 Resp: 155294  
Ion Ratio Lower Upper  
164 100  
162 102.1 83.6 125.4  
160 43.4 36.0 54.0

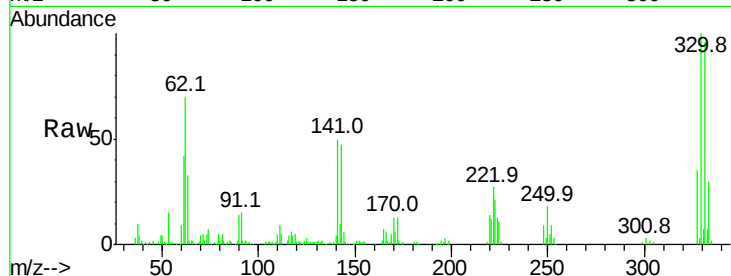




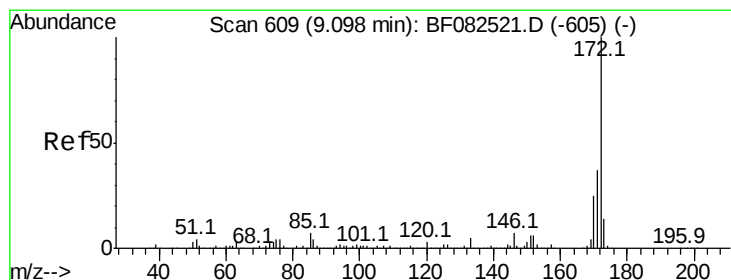
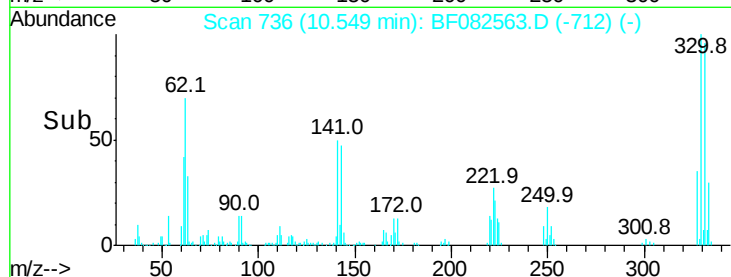
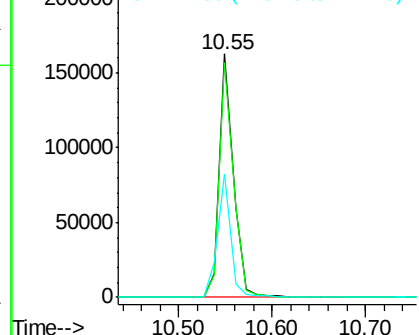
#41  
 2,4,6-Tribromophenol  
 Concen: 146.68 ng  
 RT: 10.55 min Scan# 736  
 Delta R.T. -0.02 min  
 Lab File: BF082563.D  
 Acq: 27 Oct 2015 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WOOD-2

Tot Ion:330 Resp: 170576  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.0  
 141 47.9 32.5 48.7

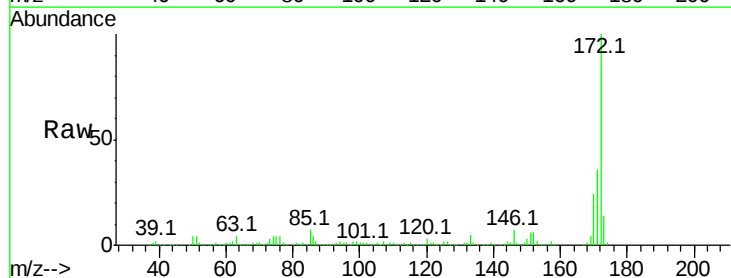


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

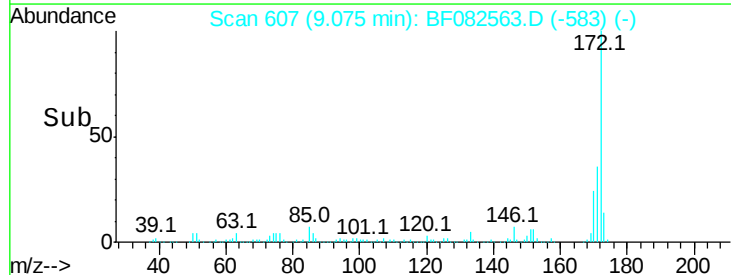
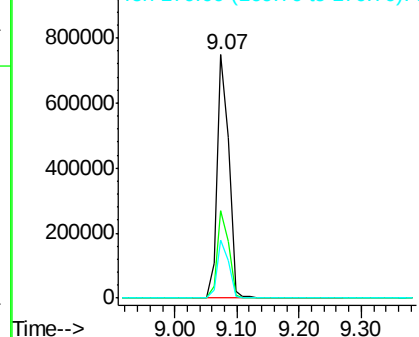


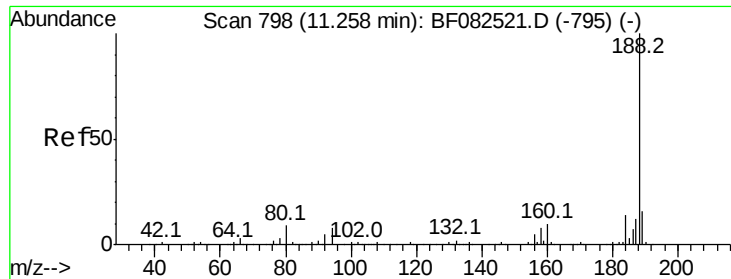
#44  
 2-Fluorobiphenyl  
 Concen: 97.99 ng  
 RT: 9.07 min Scan# 607  
 Delta R.T. -0.02 min  
 Lab File: BF082563.D  
 Acq: 27 Oct 2015 23:09

Tgt Ion:172 Resp: 956986  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.3 43.9  
 170 24.0 19.8 29.6



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: 11.23 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

Instrument :

BNA\_F

ClientSampleId :

WOOD-2

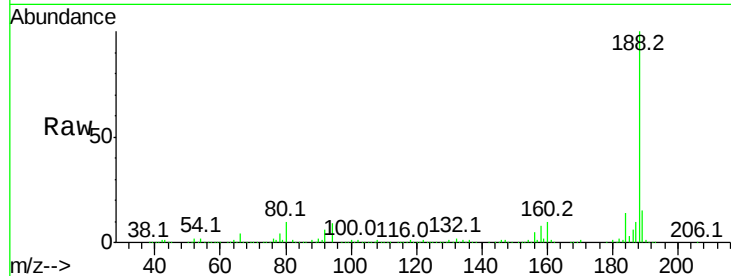
Tot Ion:188 Resp: 279990

Ion Ratio Lower Upper

188 100

94 9.4 6.4 9.6

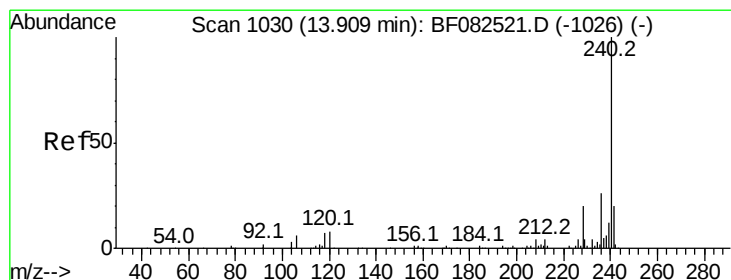
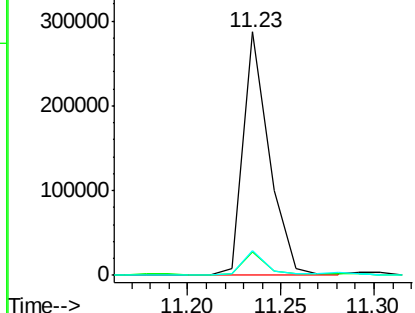
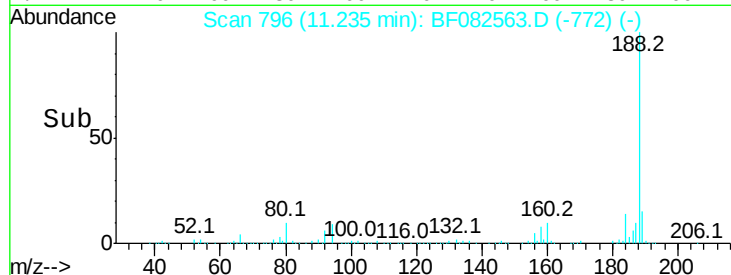
80 10.3 7.0 10.6



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

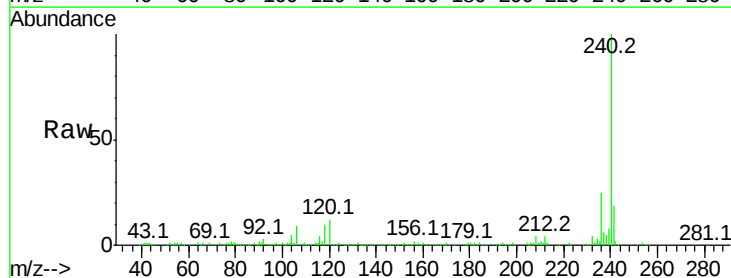
Tgt Ion:240 Resp: 184971

Ion Ratio Lower Upper

240 100

120 12.0 6.5 9.7#

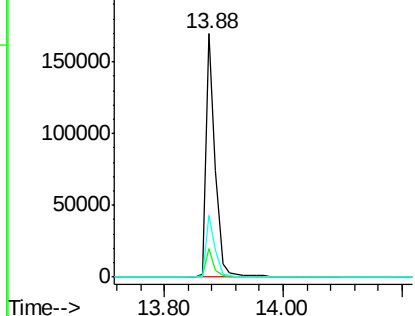
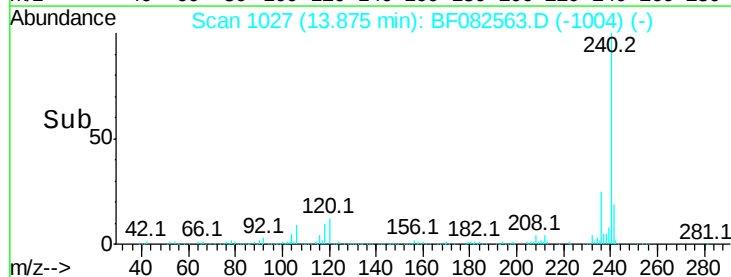
236 25.2 20.5 30.7

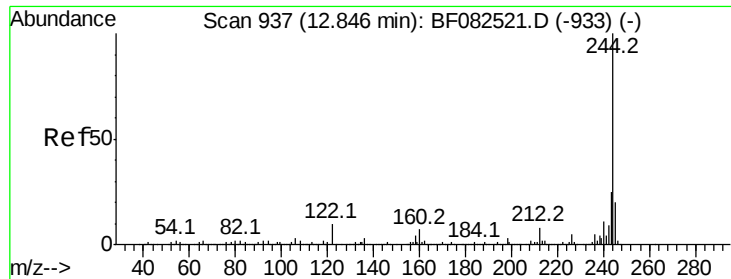


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 113.27 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

Instrument :

BNA\_F

ClientSampled :

WOOD-2

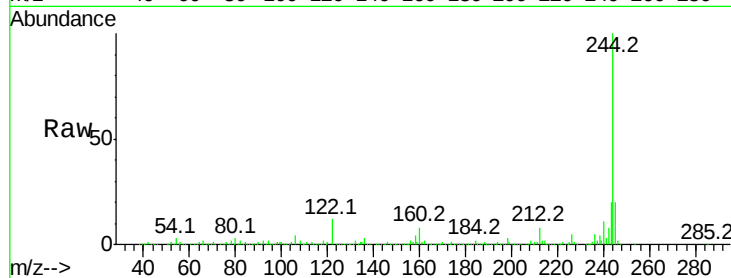
Tot Ion:244 Resp: 727246

Ion Ratio Lower Upper

244 100

212 8.3 6.4 9.6

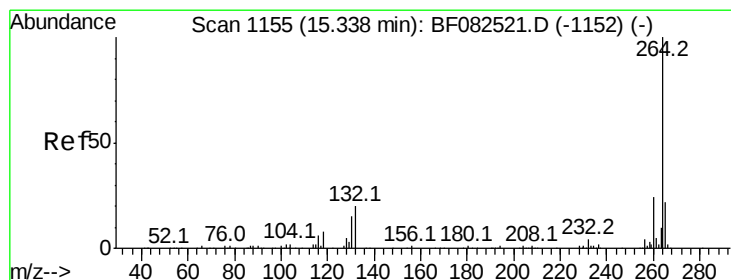
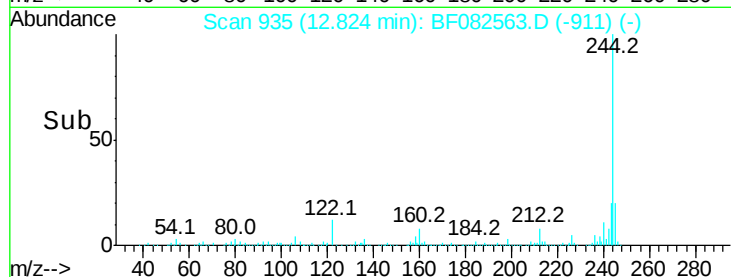
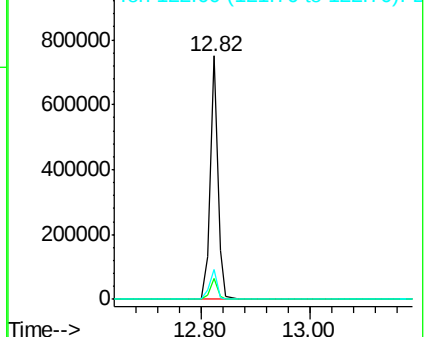
122 12.2 8.1 12.1#



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: 15.29 min Scan# 1151

Delta R.T. -0.05 min

Lab File: BF082563.D

Acq: 27 Oct 2015 23:09

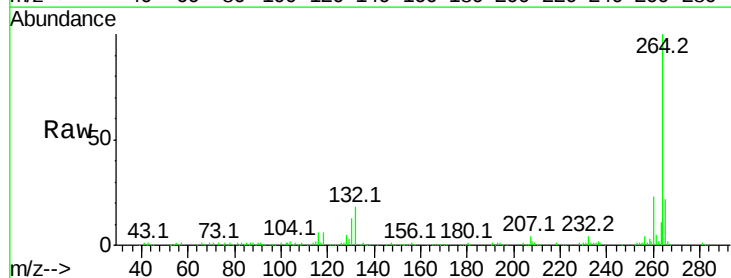
Tgt Ion:264 Resp: 164430

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.1 17.8 26.6



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

