

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090415\  
 Data File : BF081429.D  
 Acq On : 4 Sep 2015 20:23  
 Operator : UM/IZ  
 Sample : PB85372BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85372BL

Quant Time: Sep 07 01:08:39 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 07 01:02:00 2015  
 Response via : Initial Calibration

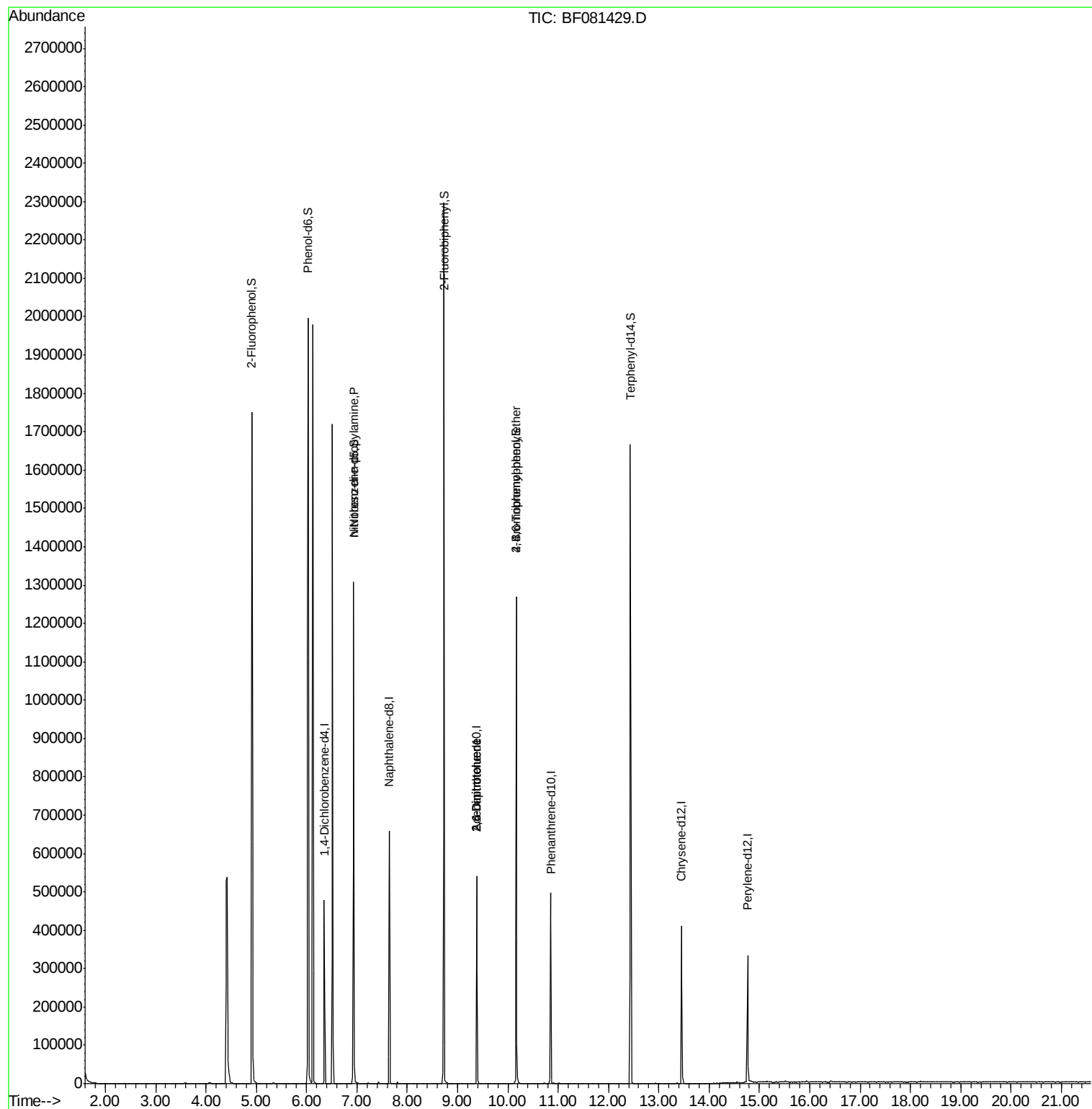
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.35  | 152  | 70496    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.64  | 136  | 278101   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.38  | 164  | 125456   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.86 | 188  | 266267   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.45 | 240  | 191956   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.77 | 264  | 140306   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.91  | 112  | 472412   | 103.97 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.03  | 99   | 747294   | 124.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.94  | 82   | 445657   | 77.32  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.17 | 330  | 110233   | 98.68  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 688161   | 70.29  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.43 | 244  | 653113   | 79.20  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.94  | 70   | 61127    | 14.93  | ng    | # 63     |
| 50) 2,6-Dinitrotoluene         | 9.38  | 165  | 14970    | 6.77   | ng    | # 39     |
| 56) 2,4-Dinitrotoluene         | 9.38  | 165  | 14970    | 5.31   | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.17 | 248  | 8940     | 3.32   | ng    | # 1      |

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

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QLast Update : Mon Sep 07 01:02:00 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

Instrument :

BNA\_F

ClientSampleId :

PB85372BL

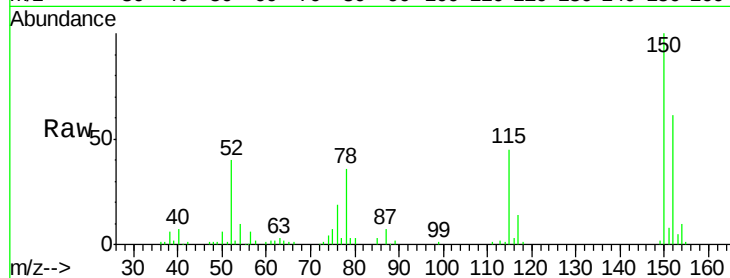
Tot Ion:152 Resp: 70496

Ion Ratio Lower Upper

152 100

150 163.6 124.7 187.1

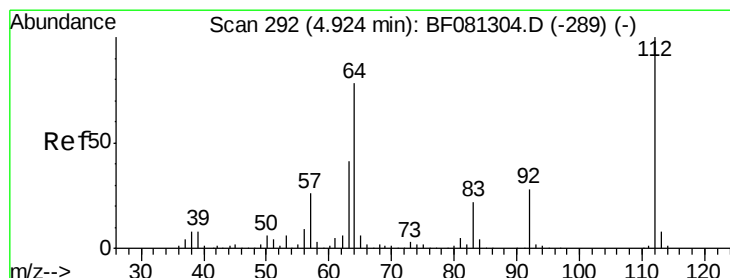
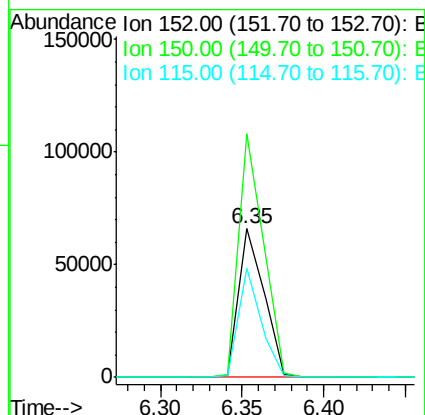
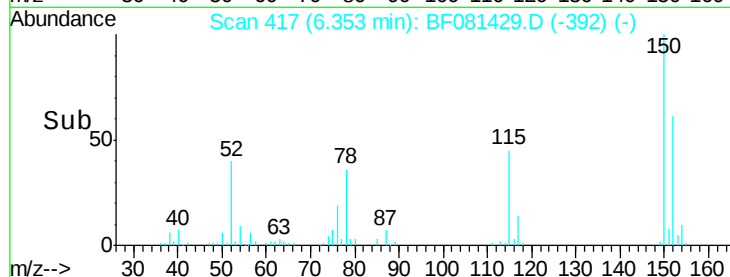
115 73.2 39.0 58.4#



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: 103.97 ng

RT: 4.91 min Scan# 291

Delta R.T. 0.01 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

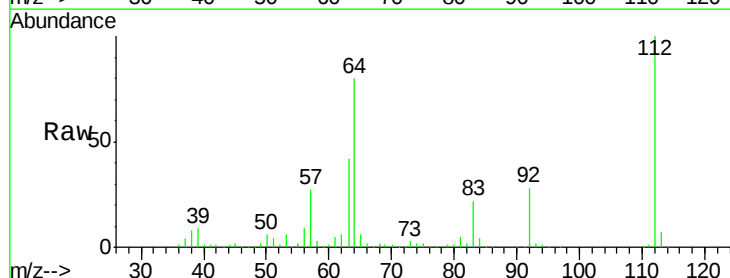
Tgt Ion:112 Resp: 472412

Ion Ratio Lower Upper

112 100

64 79.9 39.7 59.5#

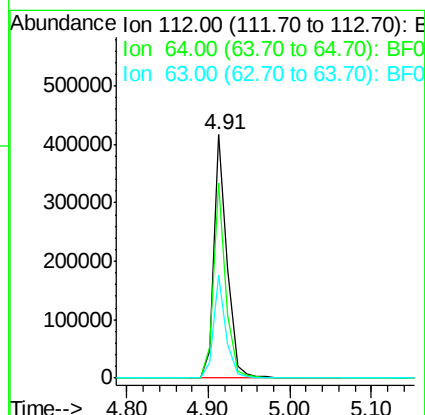
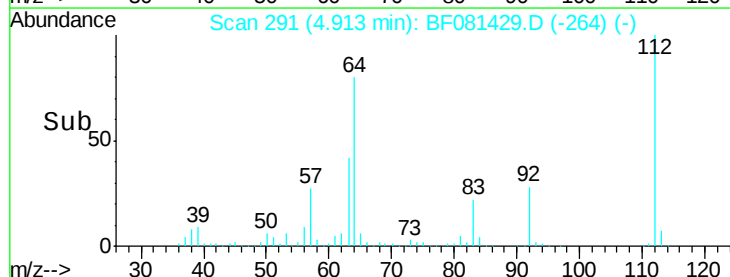
63 42.3 17.4 26.0#

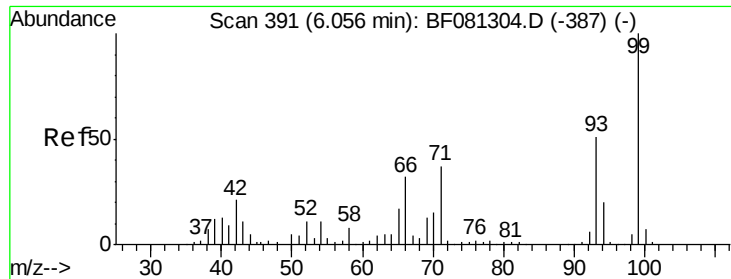


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.25 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

Instrument :

BNA\_F

ClientSampled :

PB85372BL

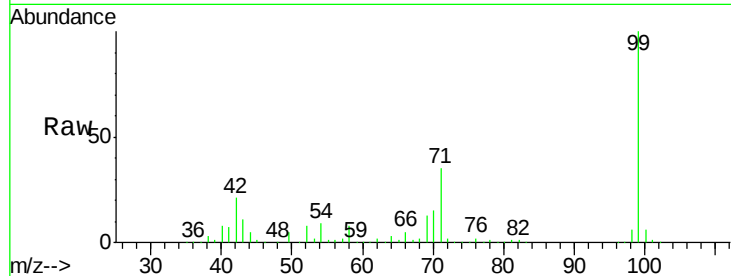
Tot Ion: 99 Resp: 747294

Ion Ratio Lower Upper

99 100

42 20.6 13.7 20.5#

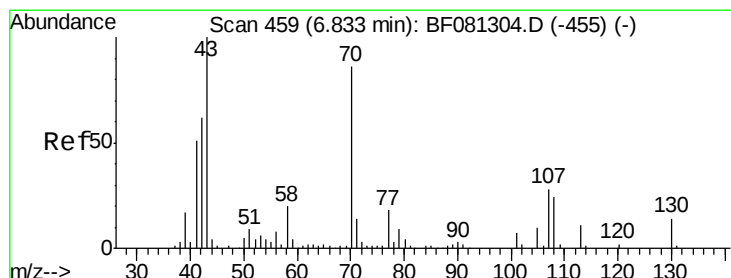
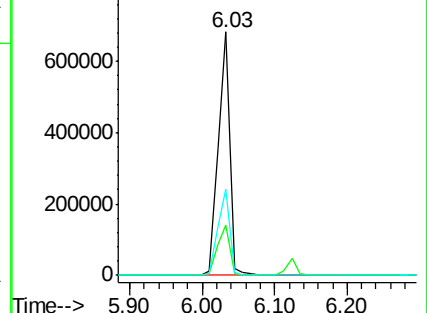
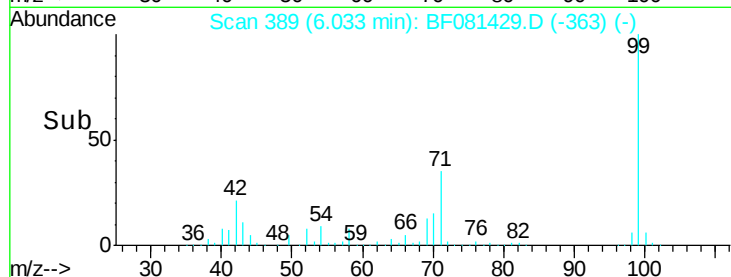
71 35.4 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.93 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

Tgt Ion: 70 Resp: 61127

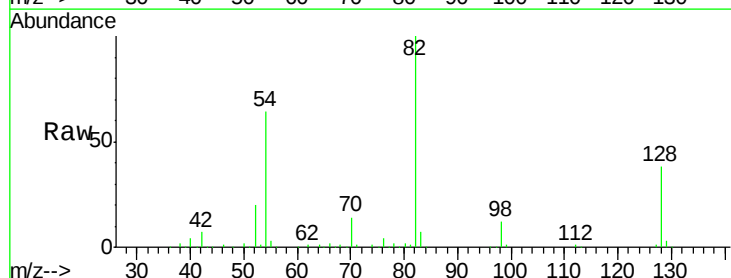
Ion Ratio Lower Upper

70 100

42 53.0 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#

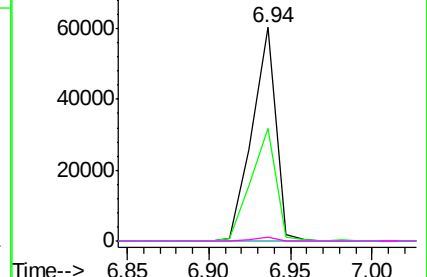
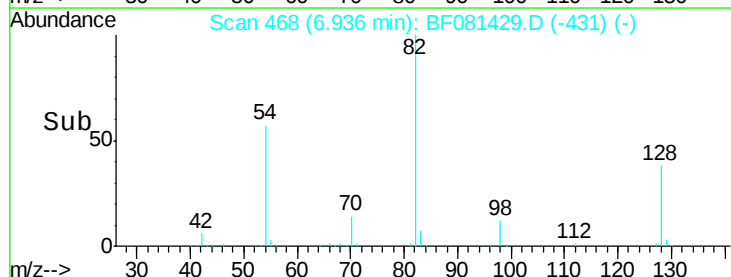


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

Instrument :

BNA\_F

ClientSampleId :

PB85372BL

Tot Ion:136 Resp: 278101

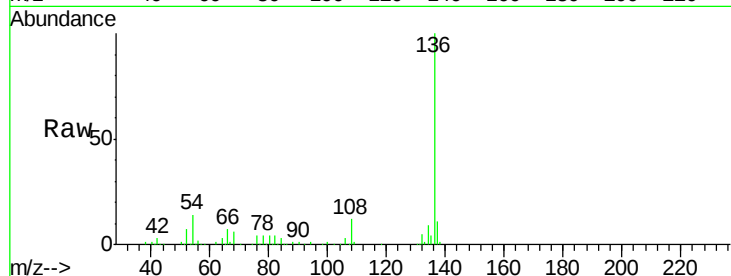
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 13.5 8.2 12.2#

68 6.2 5.8 8.6

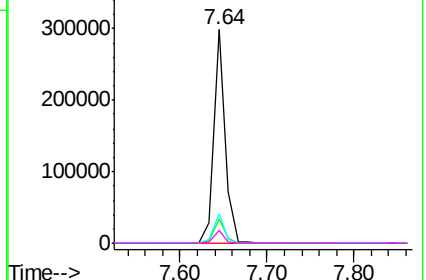
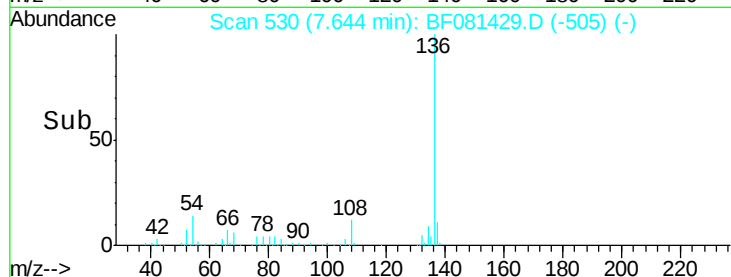


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.32 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF081429.D

Acq: 4 Sep 2015 20:23

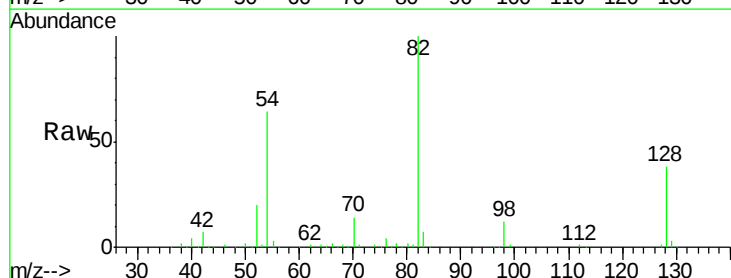
Tgt Ion: 82 Resp: 445657

Ion Ratio Lower Upper

82 100

128 38.1 51.0 76.6#

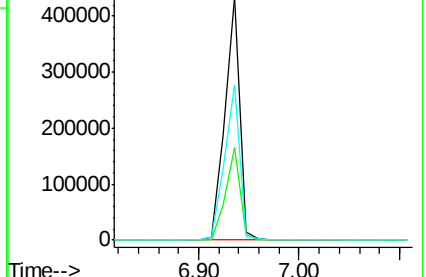
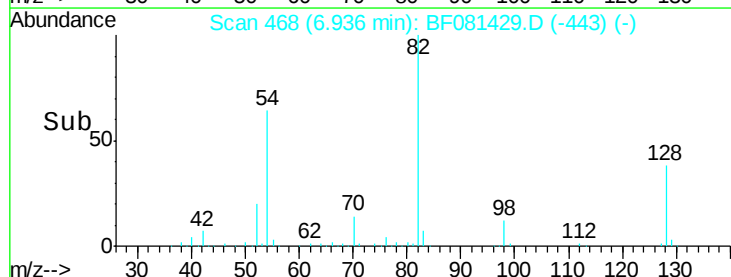
54 64.0 47.5 71.3

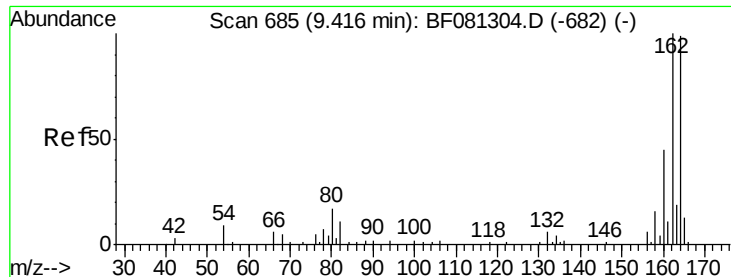


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

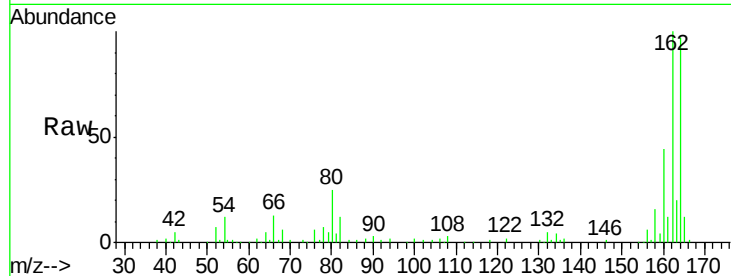




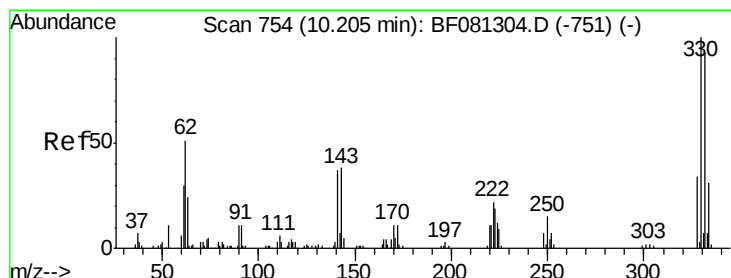
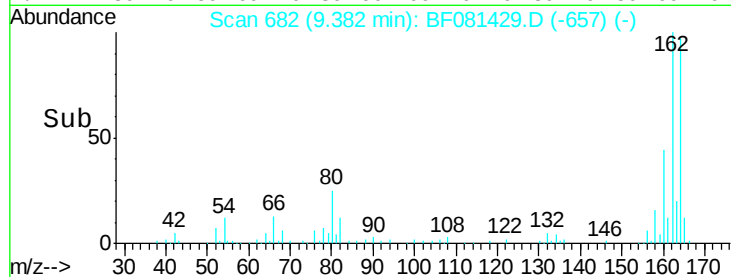
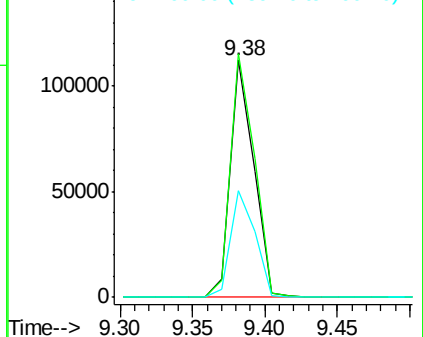
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85372BL

Tot Ion:164 Resp: 125456  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 75.2 112.8  
 160 45.1 31.5 47.3

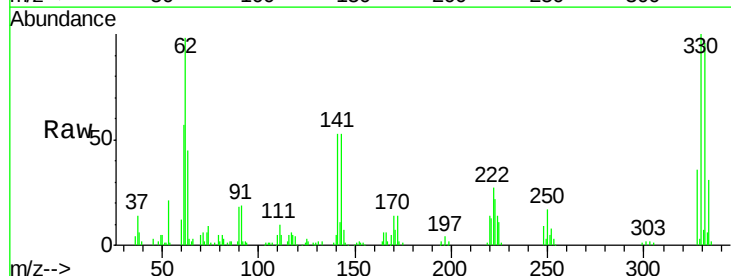


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

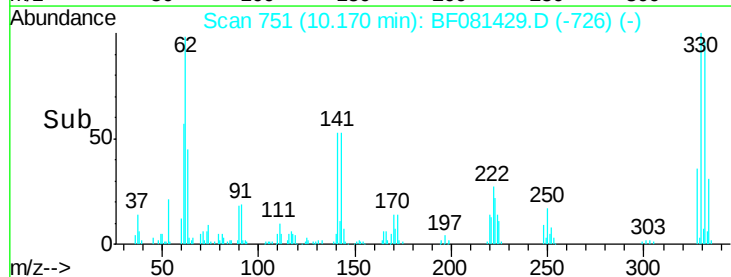
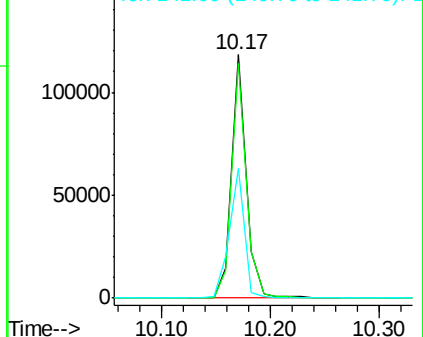


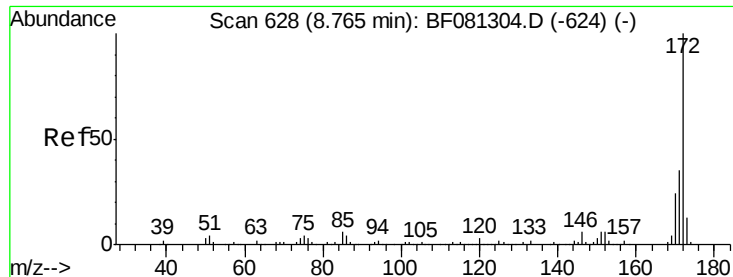
#41  
 2,4,6-Tribromophenol  
 Concen: 98.68 ng  
 RT: 10.17 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Tgt Ion:330 Resp: 110233  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.6 114.8  
 141 54.9 29.7 44.5#



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

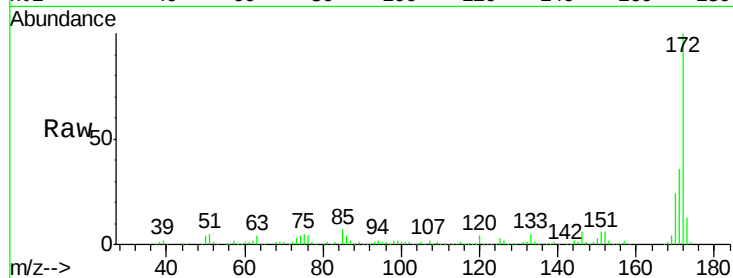




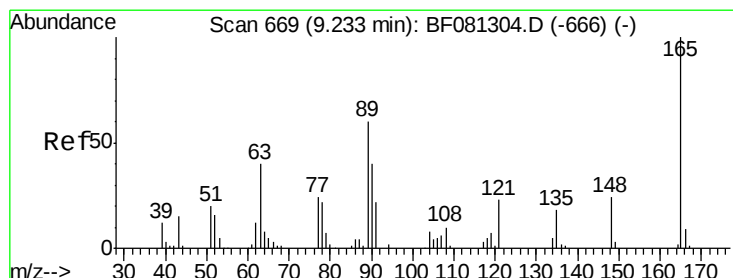
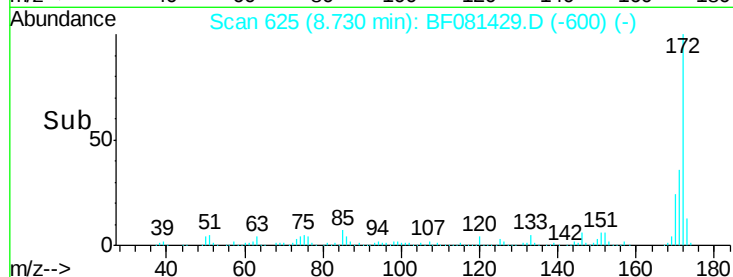
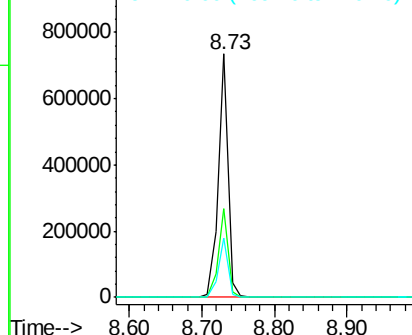
#44  
 2-Fluorobiphenyl  
 Concen: 70.29 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85372BL

Tot Ion:172 Resp: 688161  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 26.1 39.1  
 170 24.4 17.4 26.2

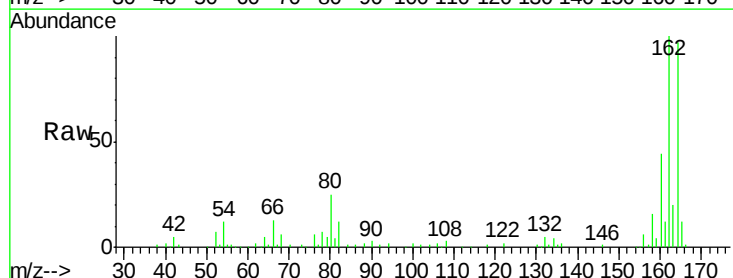


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

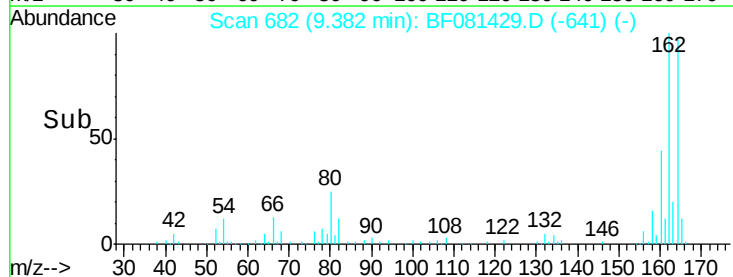
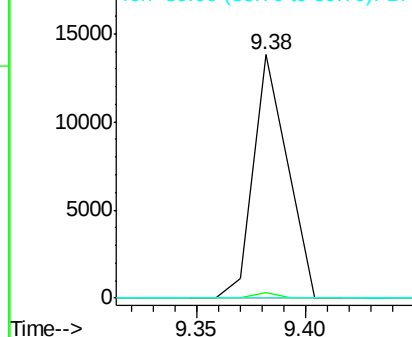


#50  
 2,6-Dinitrotoluene  
 Concen: 6.77 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. 0.17 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Tgt Ion:165 Resp: 14970  
 Ion Ratio Lower Upper  
 165 100  
 63 2.2 32.3 48.5#  
 89 0.0 28.6 43.0#



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

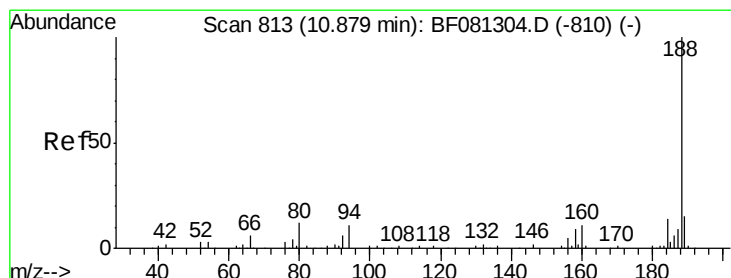
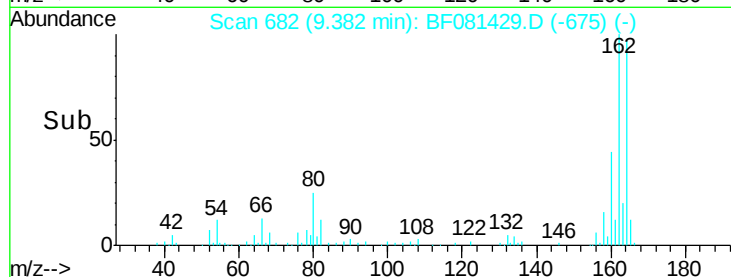
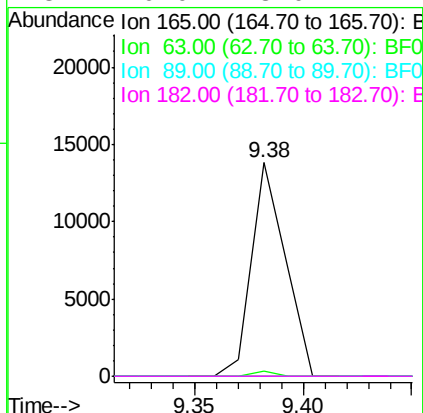
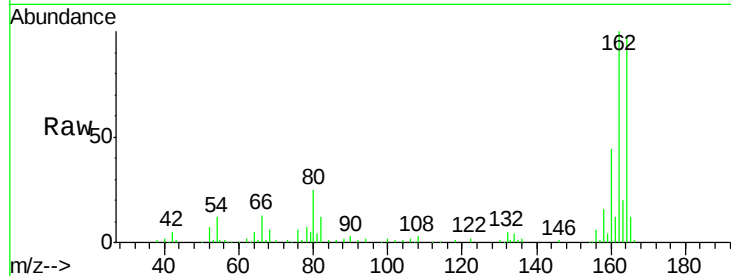




#56  
 2,4-Dinitrotoluene  
 Concen: 5.31 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.22 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

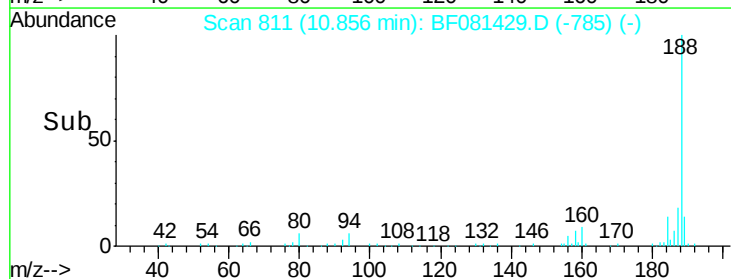
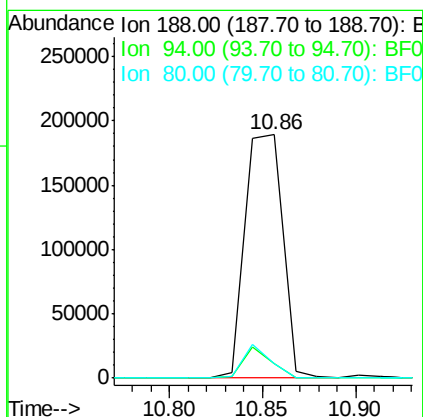
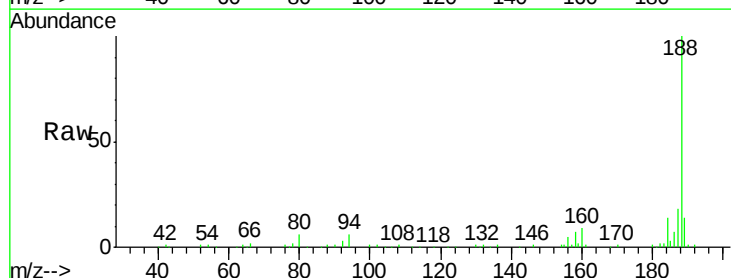
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85372BL

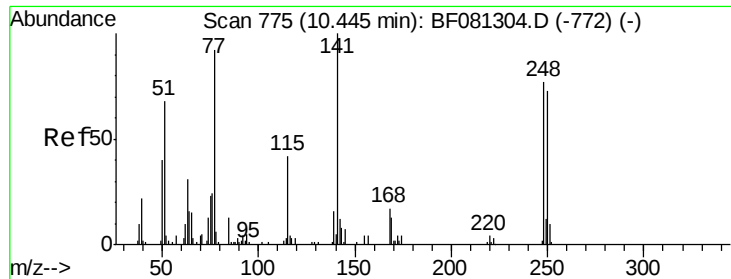
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 14970      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 2.2   | 29.8 44.6# |
| 89          | 0.0   | 44.5 66.7# |
| 182         | 0.0   | 3.0 4.4#   |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.86 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:188 | Resp: | 266267     |
| Ion Ratio   | Lower | Upper      |
| 188         | 100   |            |
| 94          | 5.9   | 11.1 16.7# |
| 80          | 6.0   | 11.0 16.4# |

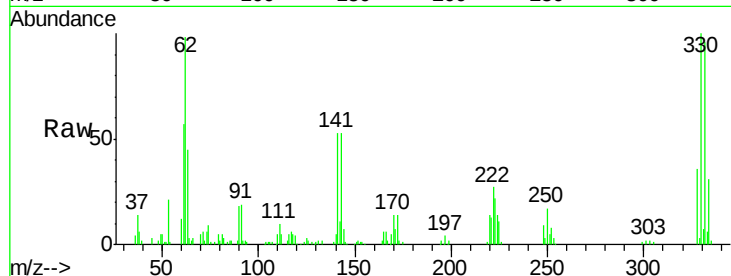




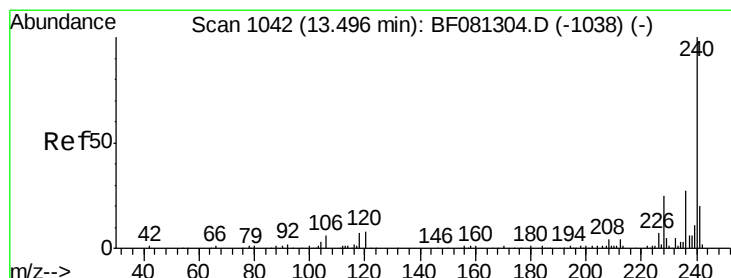
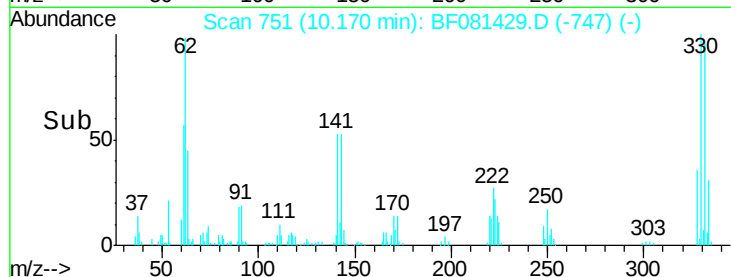
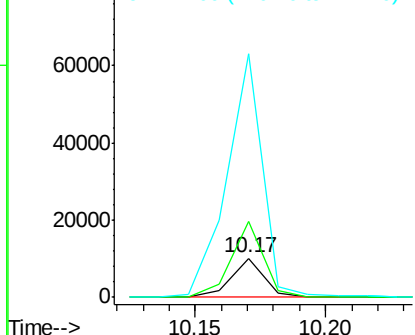
#66  
4-Bromophenyl-phenylether  
Concen: 3.32 ng  
RT: 10.17 min Scan# 751  
Delta R.T. -0.25 min  
Lab File: BF081429.D  
Acq: 4 Sep 2015 20:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB85372BL

Tot Ion:248 Resp: 8940  
Ion Ratio Lower Upper  
248 100  
250 191.2 78.5 117.7#  
141 616.9 59.0 88.6#

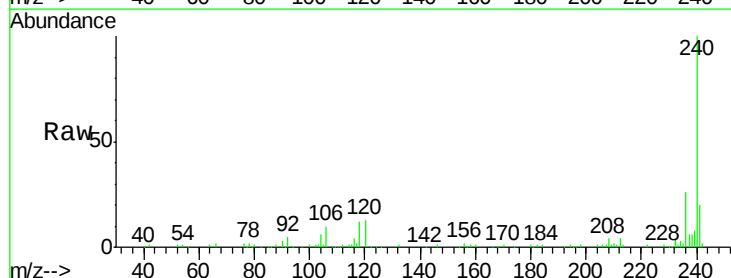


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

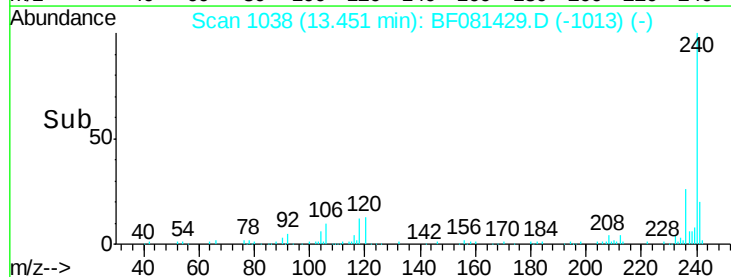
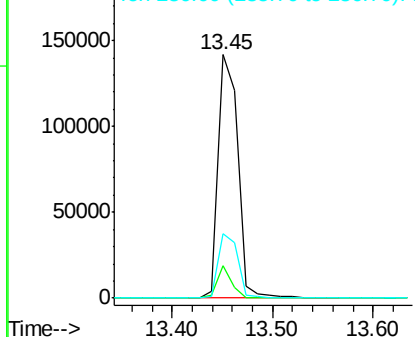


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.45 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF081429.D  
Acq: 4 Sep 2015 20:23

Tgt Ion:240 Resp: 191956  
Ion Ratio Lower Upper  
240 100  
120 13.3 16.2 24.2#  
236 26.3 18.4 27.6



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

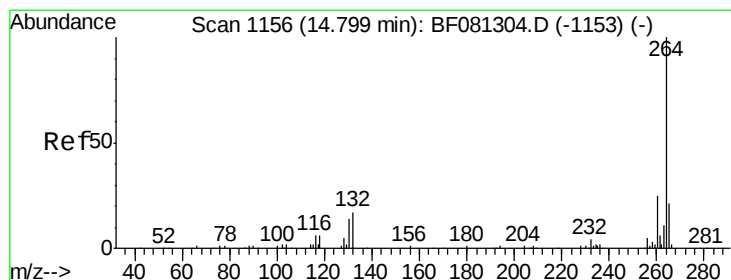
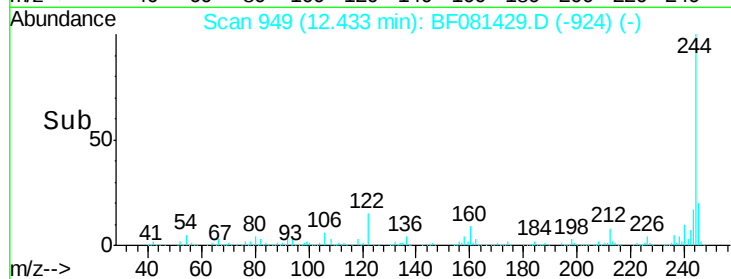
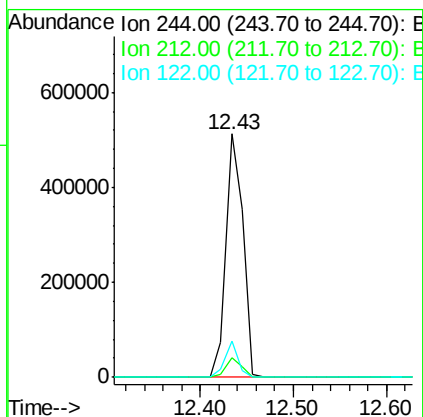
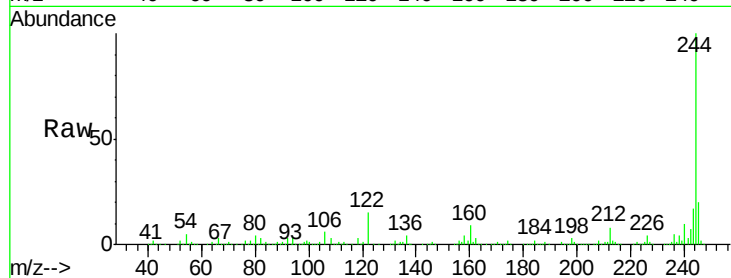




#78  
 Terphenyl-d14  
 Concen: 79.20 ng  
 RT: 12.43 min Scan# 949  
 Delta R.T. -0.01 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85372BL

Tot Ion:244 Resp: 653113  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 4.3 6.5#  
 122 15.0 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BF081429.D  
 Acq: 4 Sep 2015 20:23

Tgt Ion:264 Resp: 140306  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 16.7 25.1  
 265 22.1 17.2 25.8

