

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\  
 Data File : BF082268.D  
 Acq On : 13 Oct 2015 21:55  
 Operator : UM/IZ  
 Sample : G4008-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FILL-HARRIS-HILL

Quant Time: Oct 14 01:22:12 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 14 01:15:23 2015  
 Response via : Initial Calibration

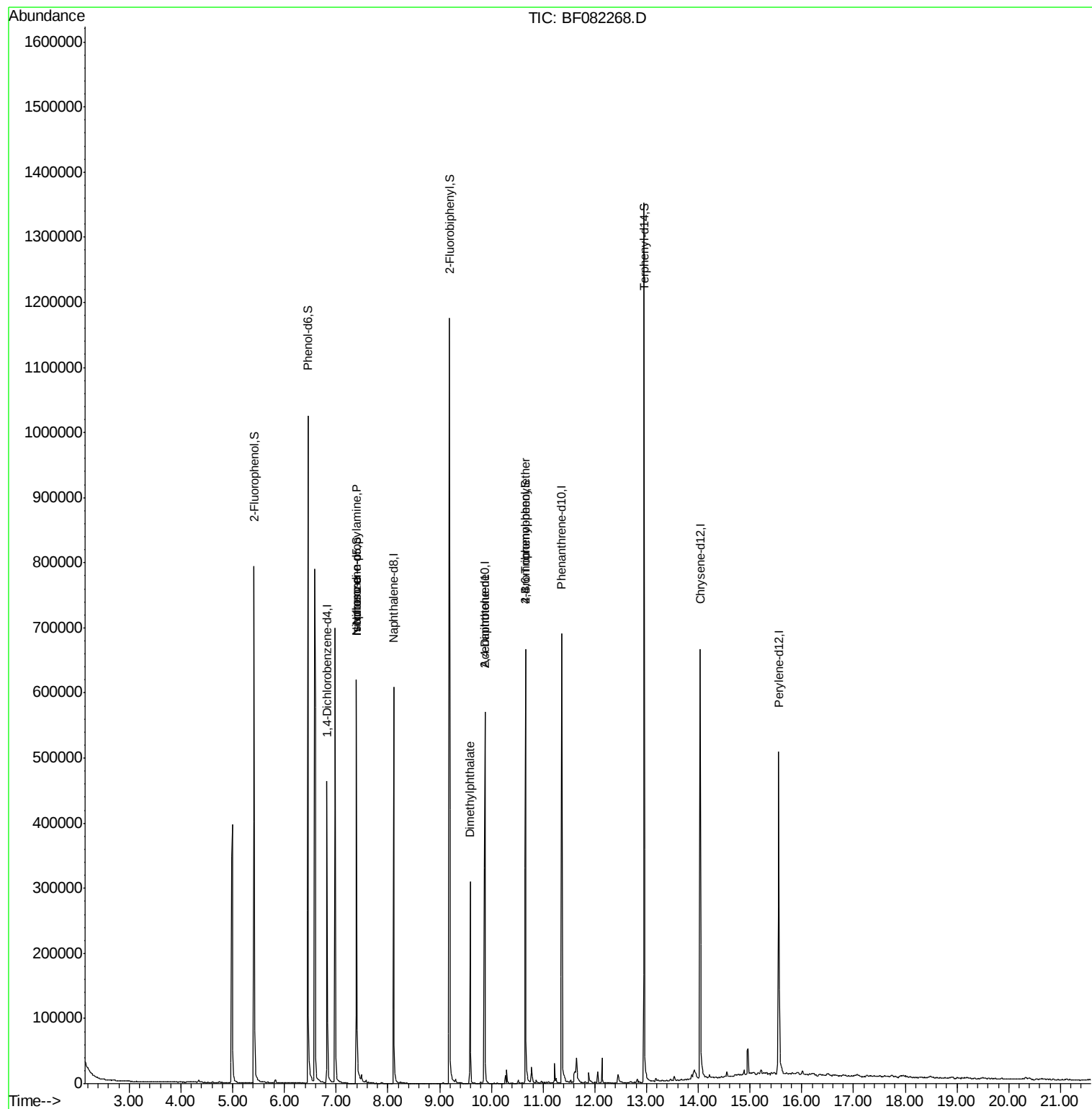
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 78418    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.11  | 136  | 304409   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.87  | 164  | 148769   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.36 | 188  | 303569   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 14.04 | 240  | 287783   | 20.00 | ng    | -0.10    |
| 86) Perylene-d12               | 15.56 | 264  | 264724   | 20.00 | ng    | -0.22    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 273061   | 70.28 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 387296   | 76.60 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 228992   | 50.52 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.66 | 330  | 104224   | 74.70 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 441057   | 49.17 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.95 | 244  | 481667   | 44.35 | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 28879    | 8.13  | ng    | # 80     |
| 25) Isophorone                 | 7.39  | 82   | 197306   | 21.57 | ng    | # 66     |
| 49) Dimethylphthalate          | 9.59  | 163  | 131038   | 12.51 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 17738    | 6.42  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 6443     | 2.12  | ng    | # 1      |

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

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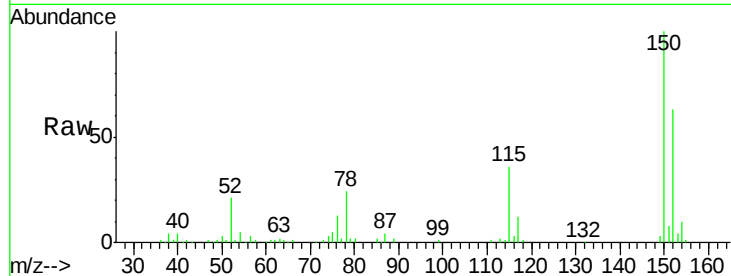


#1

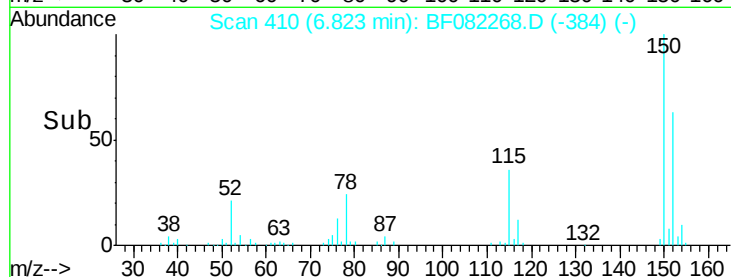
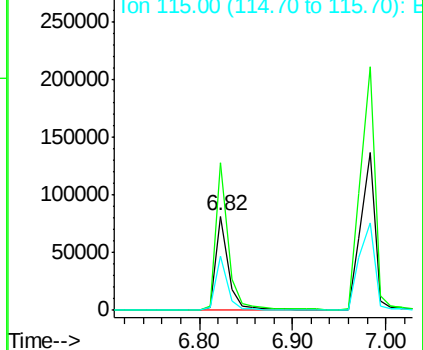
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 410  
Delta R.T. -0.00 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
FILL-HARRIS-HILL

Tot Ion:152 Resp: 78418  
Ion Ratio Lower Upper  
152 100  
150 157.5 129.0 193.4  
115 57.4 52.1 78.1



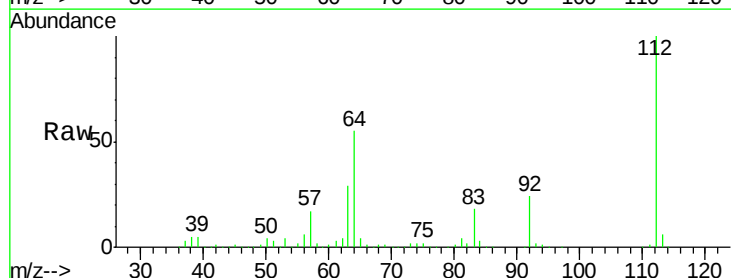
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



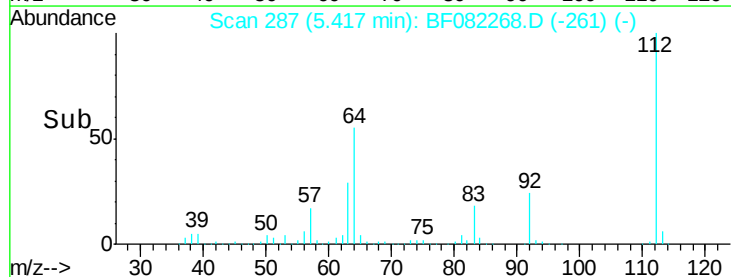
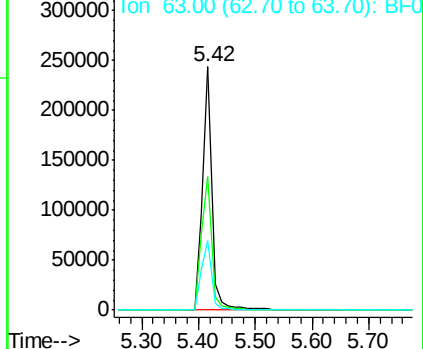
#5

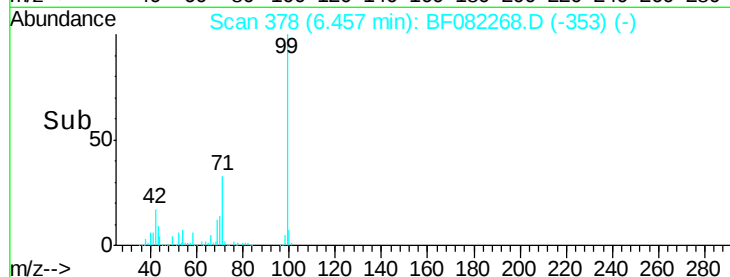
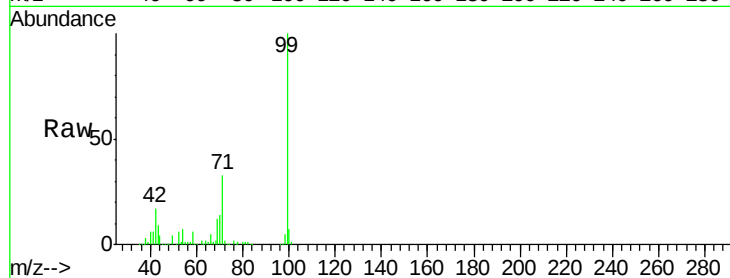
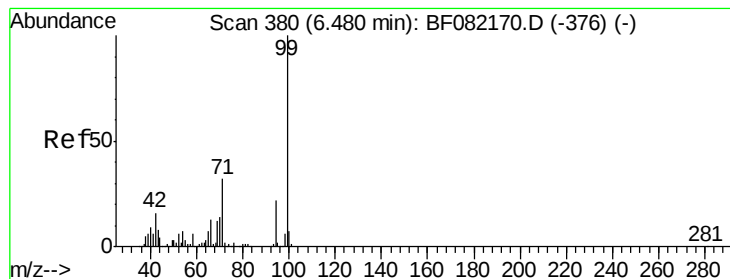
2-Fluorophenol  
Concen: 70.28 ng  
RT: 5.42 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

Tgt Ion:112 Resp: 273061  
Ion Ratio Lower Upper  
112 100  
64 54.8 48.6 73.0  
63 28.7 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: 76.60 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

Instrument :

BNA\_F

ClientSampleId :

FILL-HARRIS-HILL

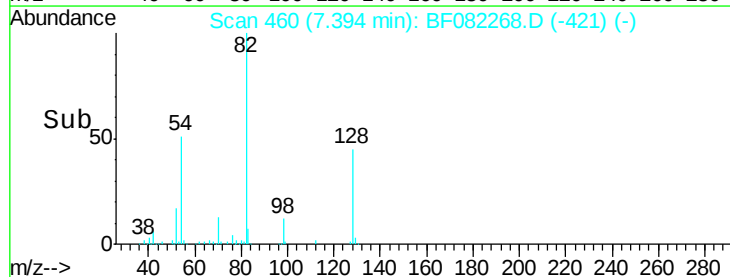
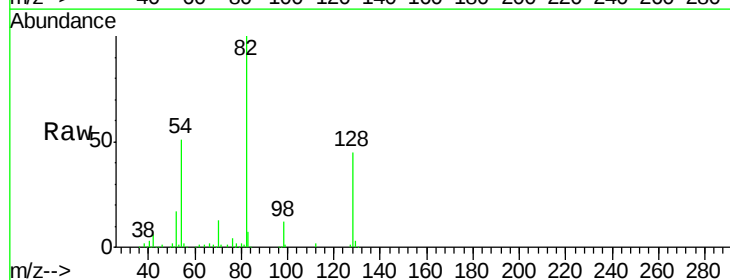
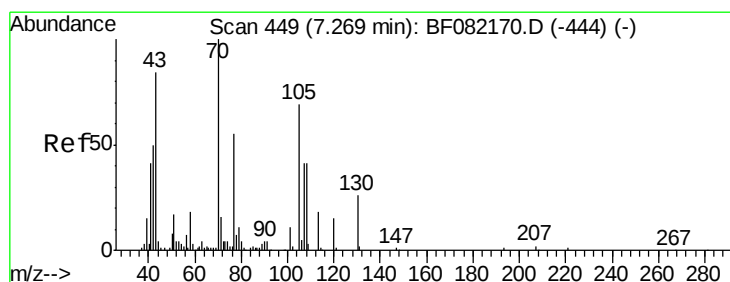
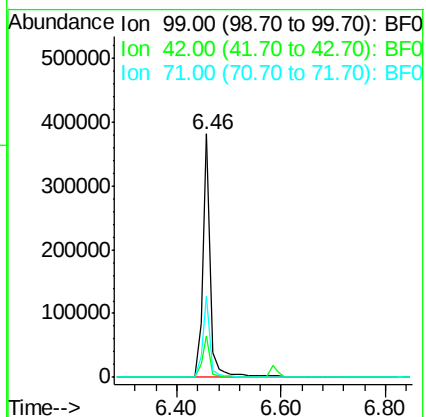
Tot Ion: 99 Resp: 387296

Ion Ratio Lower Upper

99 100

42 17.2 13.2 19.8

71 33.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 8.13 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.15 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

Tgt Ion: 70 Resp: 28879

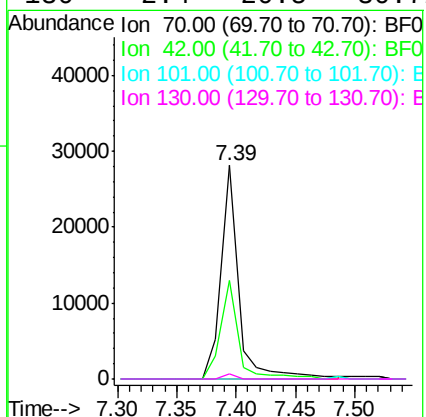
Ion Ratio Lower Upper

70 100

42 46.0 39.8 59.8

101 0.0 8.6 13.0#

130 2.4 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

Instrument :

BNA\_F

ClientSampleId :

FILL-HARRIS-HILL

Tot Ion:136 Resp: 304409

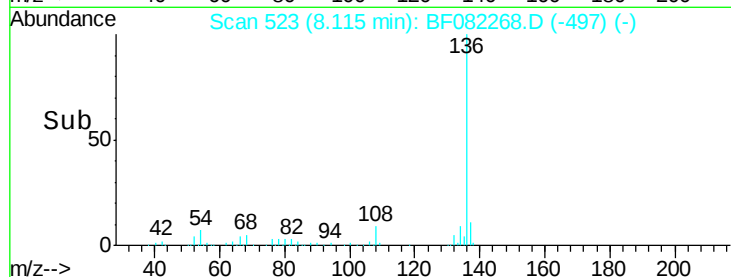
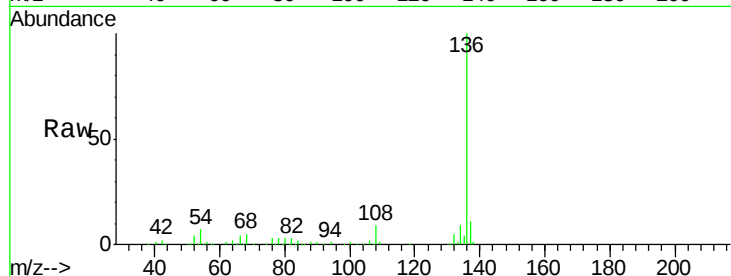
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 7.2 7.5 11.3#

68 4.8 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

Time-->

8.11

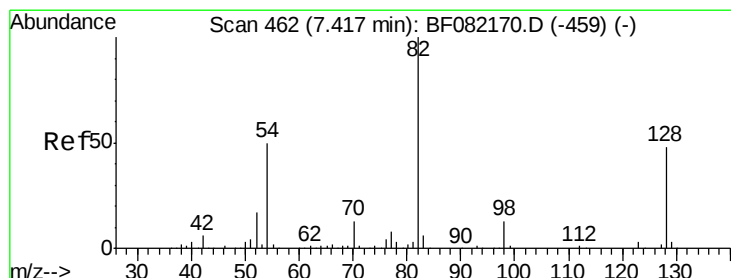
300000

200000

100000

0

8.00 8.20 8.40



#23

Nitrobenzene-d5

Concen: 50.52 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

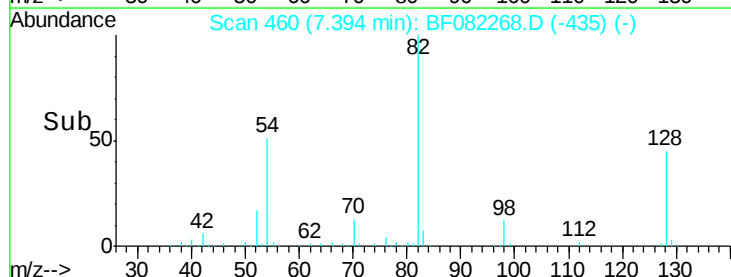
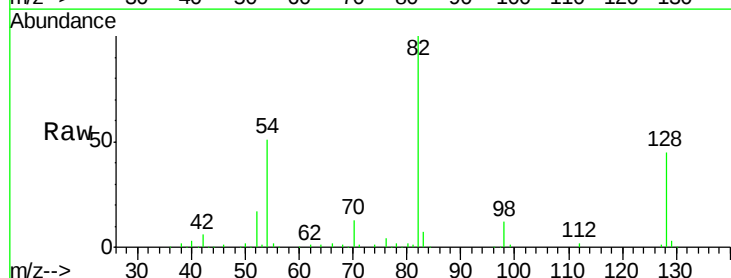
Tgt Ion: 82 Resp: 228992

Ion Ratio Lower Upper

82 100

128 44.7 38.7 58.1

54 51.0 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

Time-->

7.39

300000

250000

200000

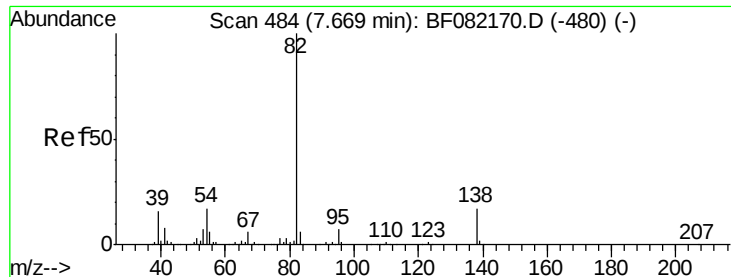
150000

100000

50000

0

7.40 7.60



#25

Isophorone

Concen: 21.57 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

Instrument :

BNA\_F

ClientSampleId :

FILL-HARRIS-HILL

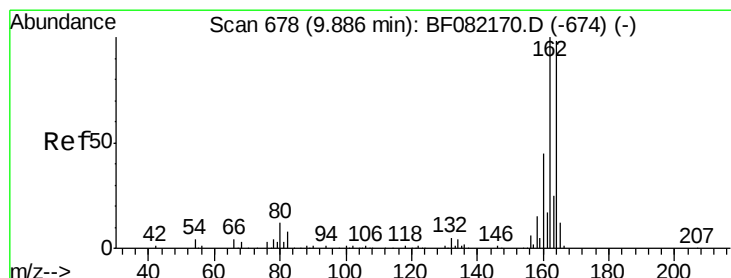
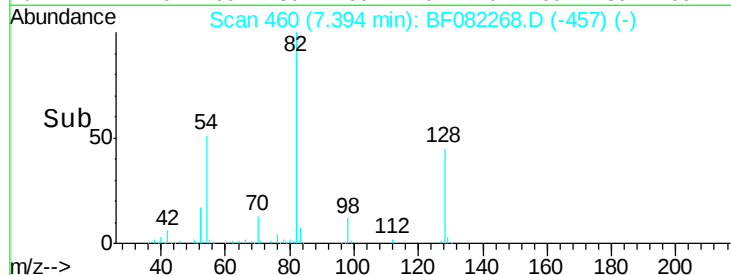
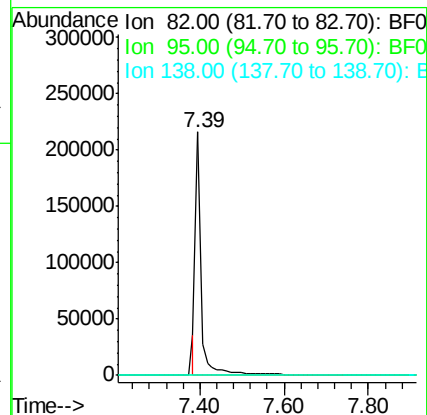
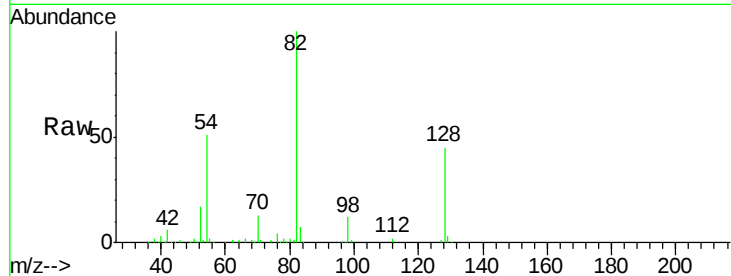
Tot Ion: 82 Resp: 197306

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

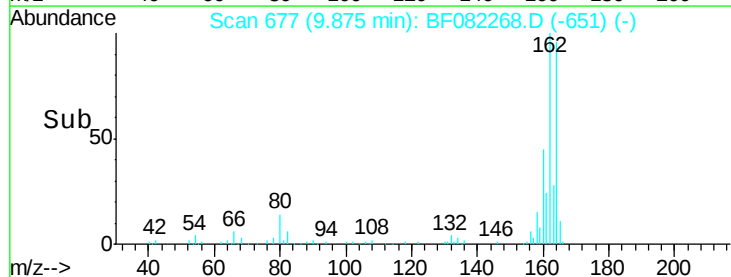
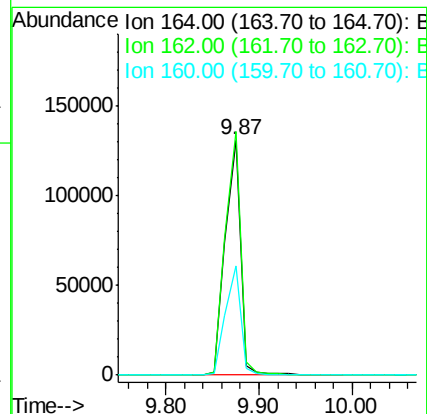
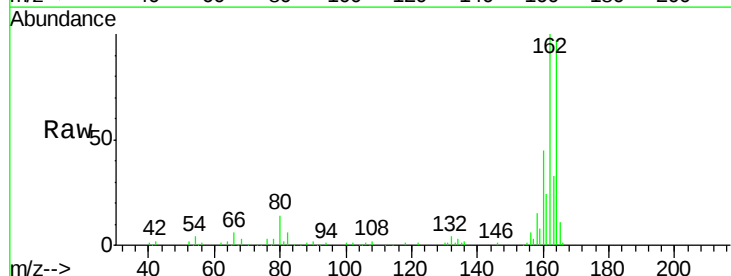
Tgt Ion: 164 Resp: 148769

Ion Ratio Lower Upper

164 100

162 103.6 81.6 122.4

160 46.3 36.4 54.6

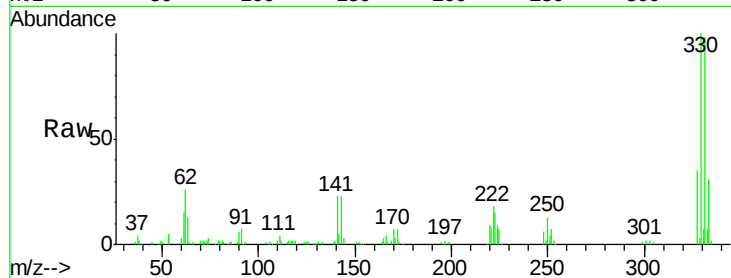




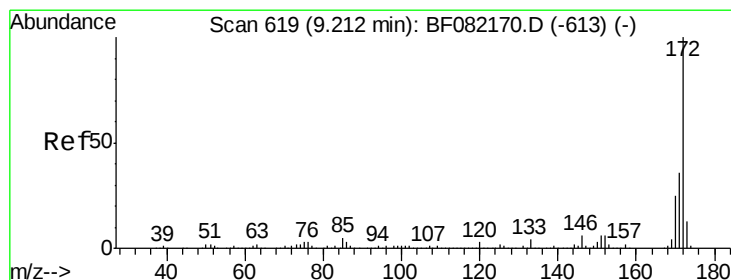
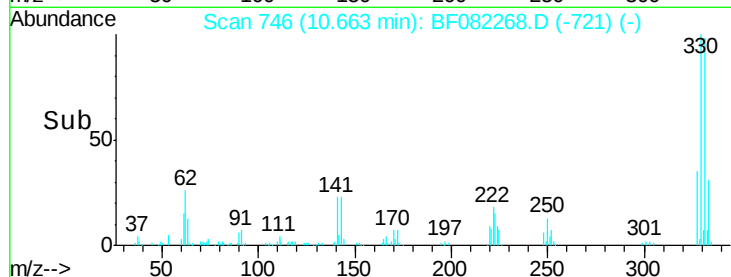
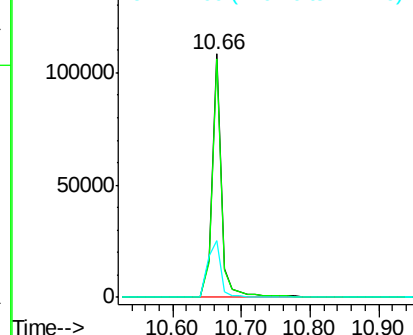
#41  
 2,4,6-Tribromophenol  
 Concen: 74.70 ng  
 RT: 10.66 min Scan# 746  
 Delta R.T. -0.01 min  
 Lab File: BF082268.D  
 Acq: 13 Oct 2015 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FILL-HARRIS-HILL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.1  | 115.7 |
| 141     | 32.6  | 29.8  | 44.8  |

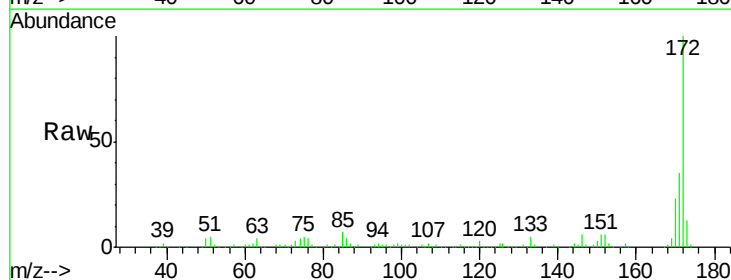


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

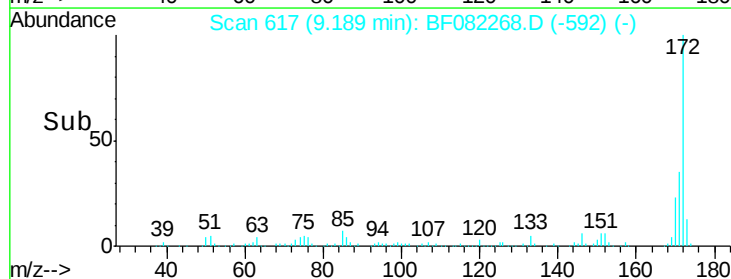
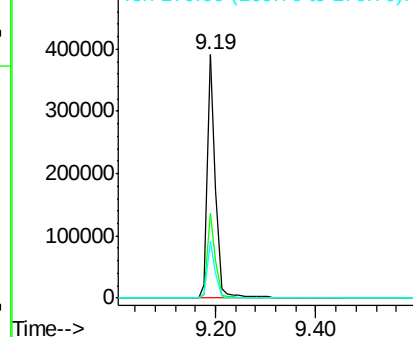


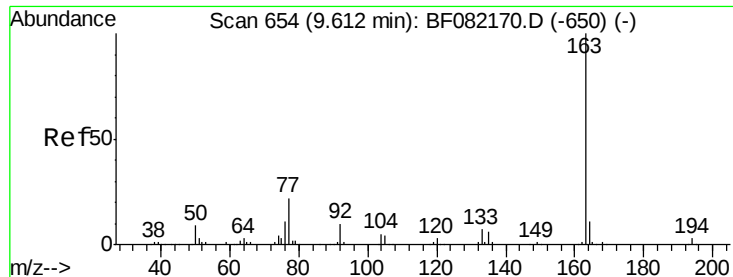
#44  
 2-Fluorobiphenyl  
 Concen: 49.17 ng  
 RT: 9.19 min Scan# 617  
 Delta R.T. -0.01 min  
 Lab File: BF082268.D  
 Acq: 13 Oct 2015 21:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.6  | 42.8  |
| 170     | 23.3  | 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

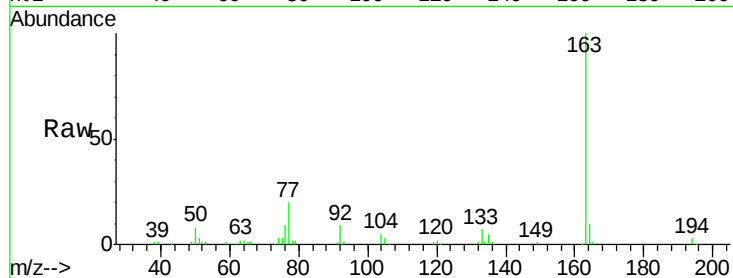




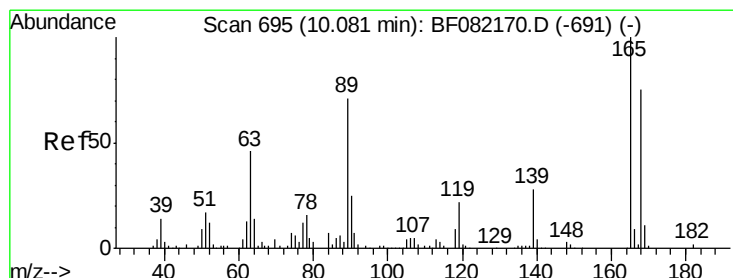
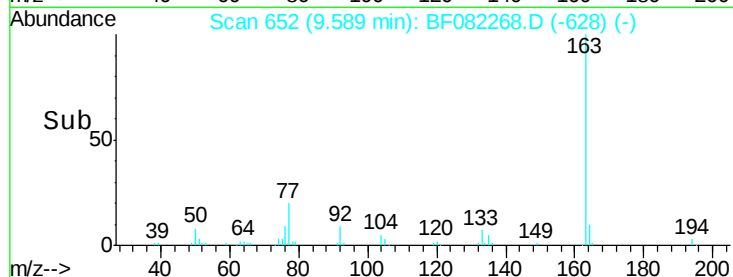
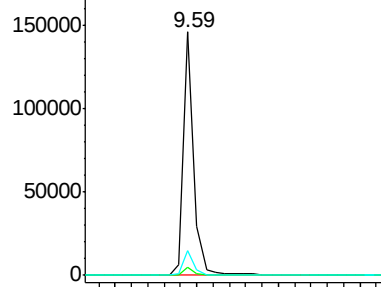
#49  
Dimethylphthalate  
Concen: 12.51 ng  
RT: 9.59 min Scan# 652  
Delta R.T. -0.02 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
FILL-HARRIS-HILL

Tot Ion:163 Resp: 131038  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 10.2 8.5 12.7

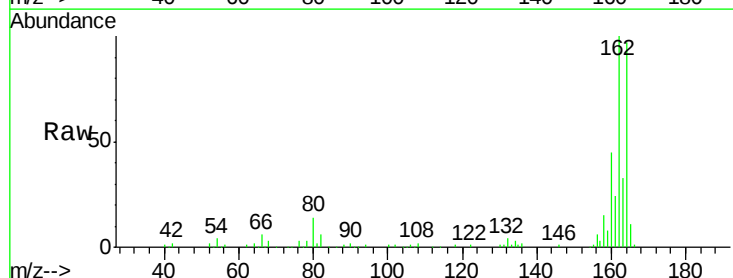


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

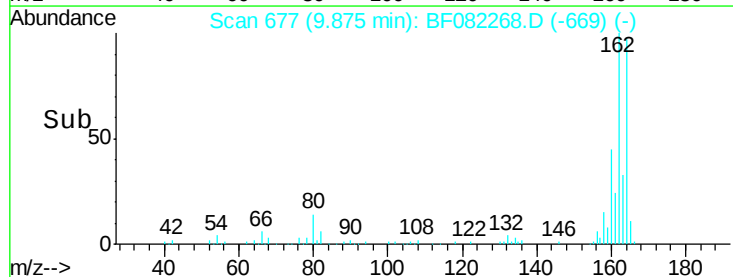
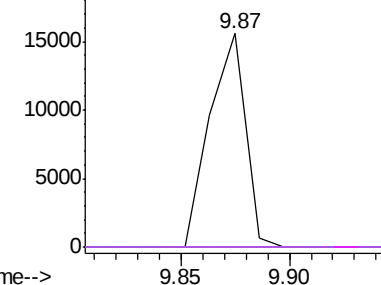


#56  
2,4-Dinitrotoluene  
Concen: 6.42 ng  
RT: 9.87 min Scan# 677  
Delta R.T. -0.21 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

Tgt Ion:165 Resp: 17738  
Ion Ratio Lower Upper  
165 100  
63 0.0 38.6 58.0#  
89 0.0 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: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

Instrument :

BNA\_F

ClientSampleId :

FILL-HARRIS-HILL

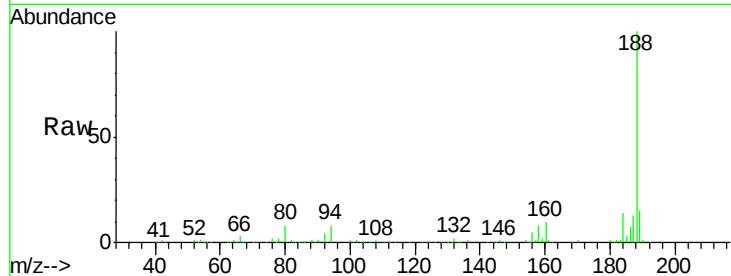
Tot Ion:188 Resp: 303569

Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.6

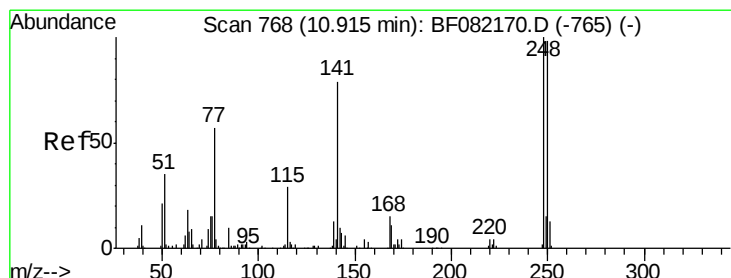
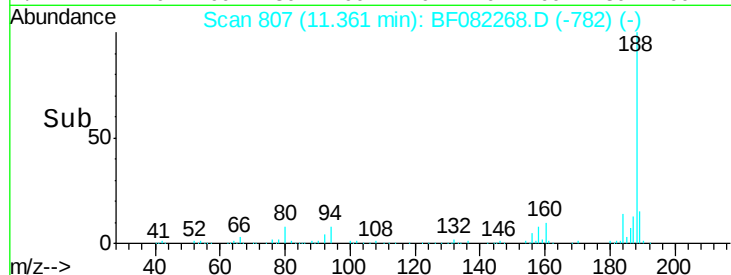
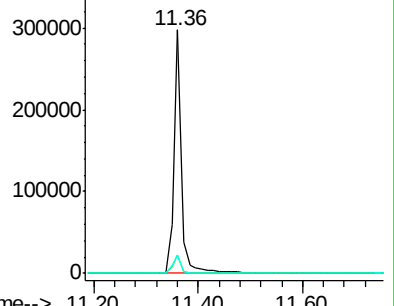
80 7.7 6.4 9.6



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: 2.12 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082268.D

Acq: 13 Oct 2015 21:55

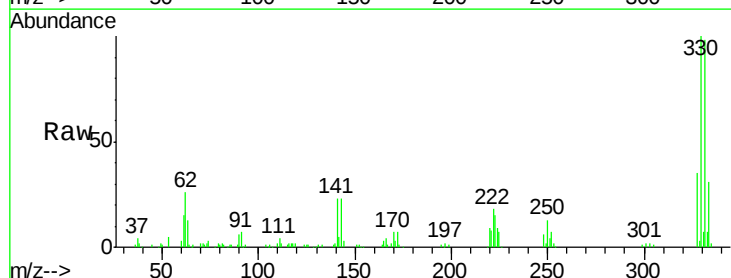
Tgt Ion:248 Resp: 6443

Ion Ratio Lower Upper

248 100

250 215.5 78.6 117.8#

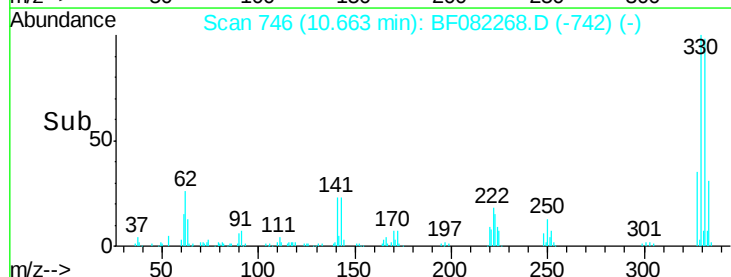
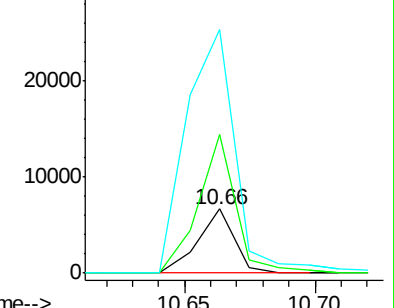
141 378.7 63.3 94.9#

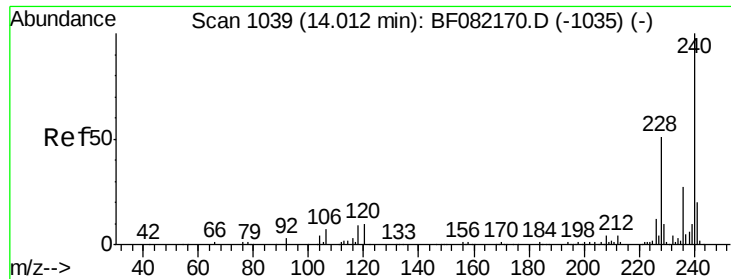


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

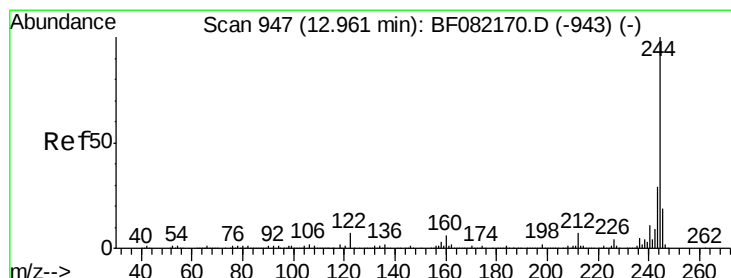
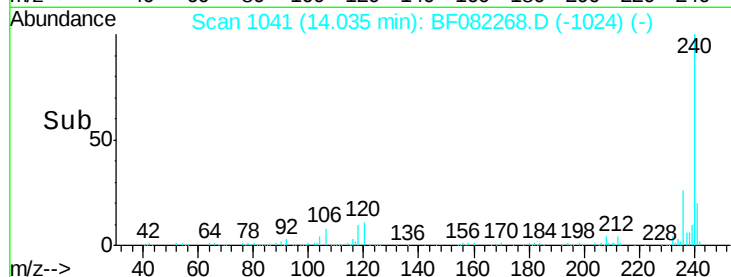
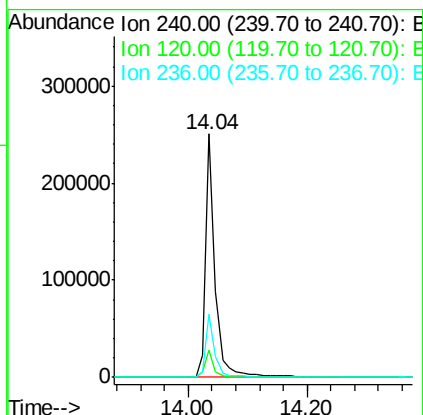
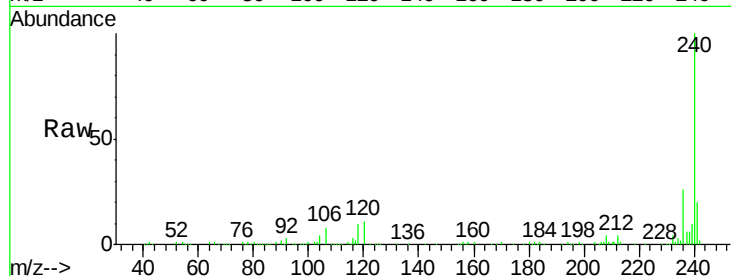




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1041  
Delta R.T. -0.10 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

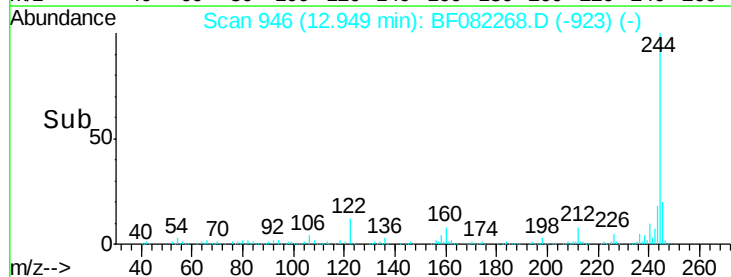
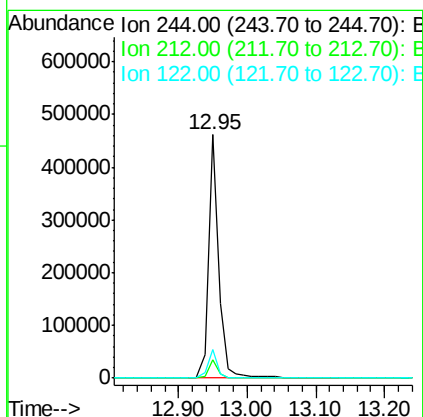
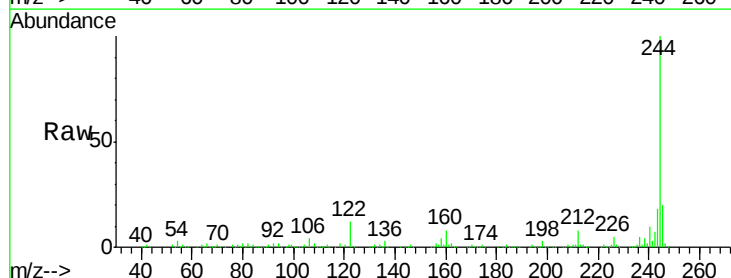
Instrument :  
BNA\_F  
ClientSampleId :  
FILL-HARRIS-HILL

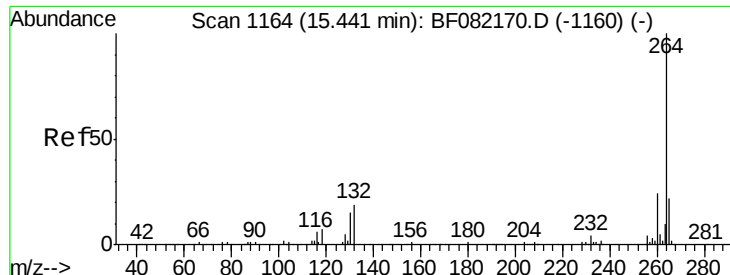
Tot Ion:240 Resp: 287783  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.1 12.1  
236 26.2 21.3 31.9



#78  
Terphenyl-d14  
Concen: 44.35 ng  
RT: 12.95 min Scan# 946  
Delta R.T. -0.03 min  
Lab File: BF082268.D  
Acq: 13 Oct 2015 21:55

Tgt Ion:244 Resp: 481667  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.8 8.6  
122 11.6 5.9 8.9#

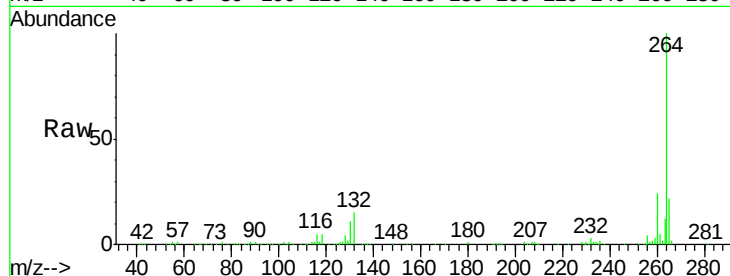




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.56 min Scan# 1174  
 Delta R.T. -0.22 min  
 Lab File: BF082268.D  
 Acq: 13 Oct 2015 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FILL-HARRIS-HILL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.0  | 28.6  |
| 265     | 21.9  | 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

