

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101215\  
 Data File : BF082228.D  
 Acq On : 12 Oct 2015 19:12  
 Operator : UM/IZ  
 Sample : G3990-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW-9D

Quant Time: Oct 13 02:09:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 13 02:05:16 2015  
 Response via : Initial Calibration

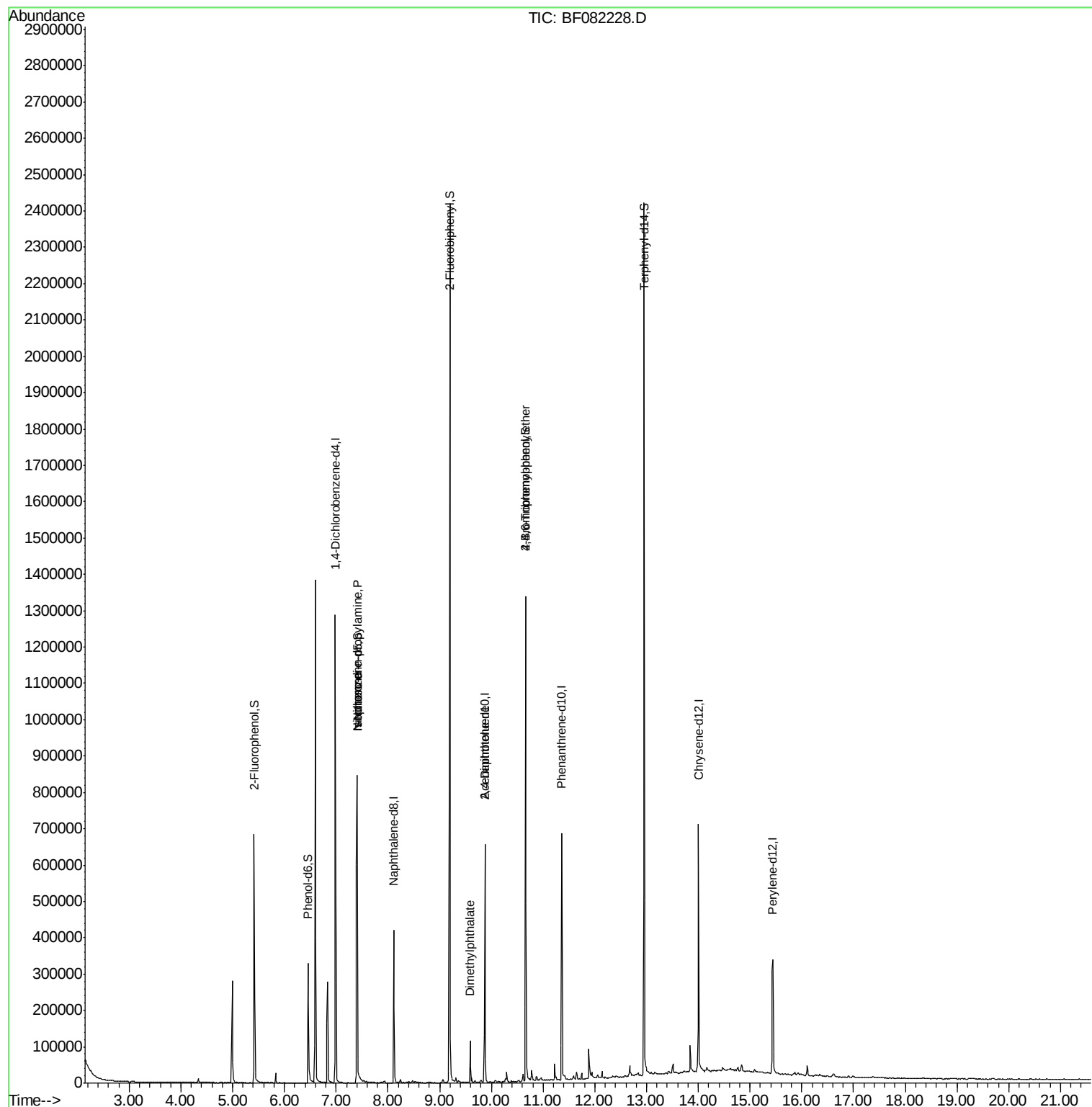
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.98  | 152  | 232174   | 20.00  | ng    | 0.15     |
| 21) Naphthalene-d8             | 8.11  | 136  | 245023   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.87  | 164  | 131193   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.36 | 188  | 268234   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.00 | 240  | 260746   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.44 | 264  | 192124   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 209843   | 18.24  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 166130   | 11.10  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 403352   | 110.55 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.66 | 330  | 183954   | 149.51 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 835959   | 105.67 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.95 | 244  | 812320   | 82.56  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 51071    | 4.86   | ng    | # 76     |
| 25) Isophorone                 | 7.41  | 82   | 390122   | 52.98  | ng    | # 66     |
| 49) Dimethylphthalate          | 9.59  | 163  | 53761    | 5.82   | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 17035    | 6.99   | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 12143    | 4.52   | ng    | # 1      |

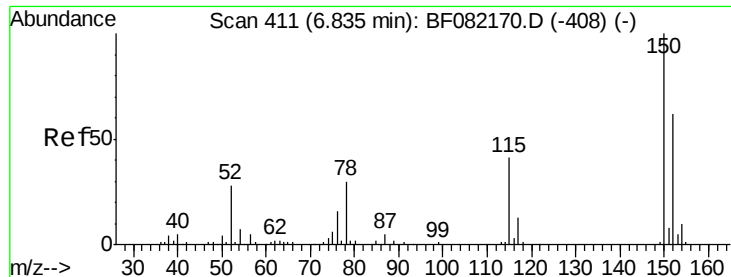
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 424

Delta R.T. 0.15 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-9D

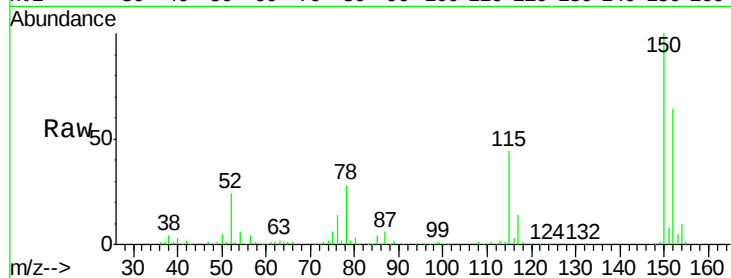
Tot Ion:152 Resp: 232174

Ion Ratio Lower Upper

152 100

150 156.1 129.0 193.4

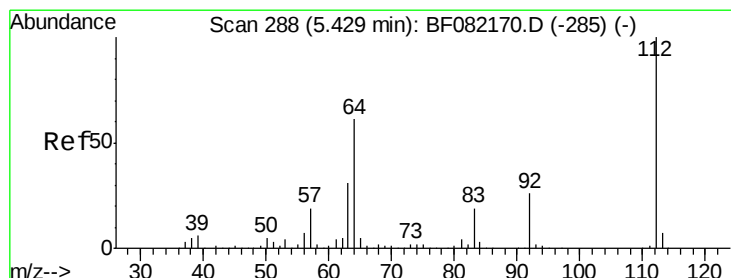
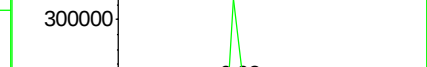
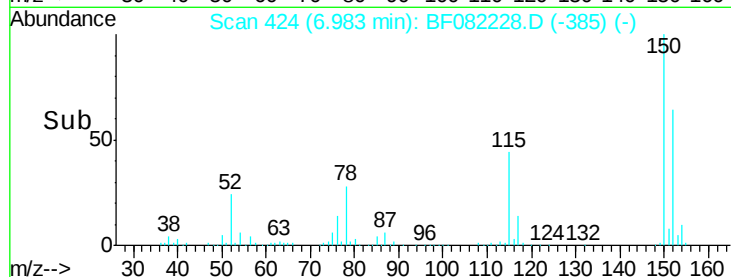
115 69.3 52.1 78.1



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: 18.24 ng

RT: 5.42 min Scan# 287

Delta R.T. -0.00 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

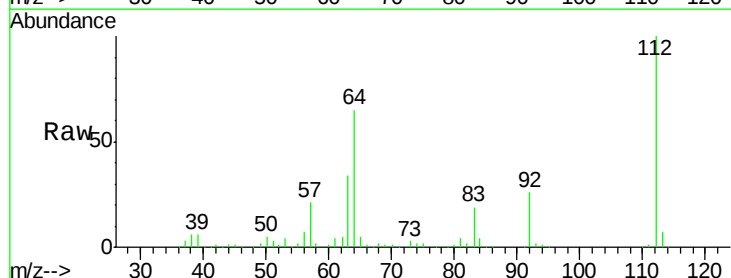
Tgt Ion:112 Resp: 209843

Ion Ratio Lower Upper

112 100

64 65.1 48.6 73.0

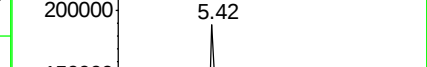
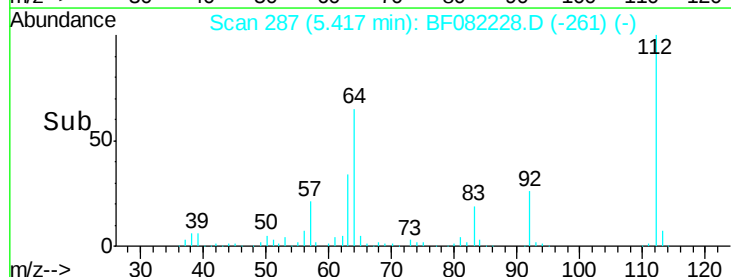
63 33.5 25.1 37.7

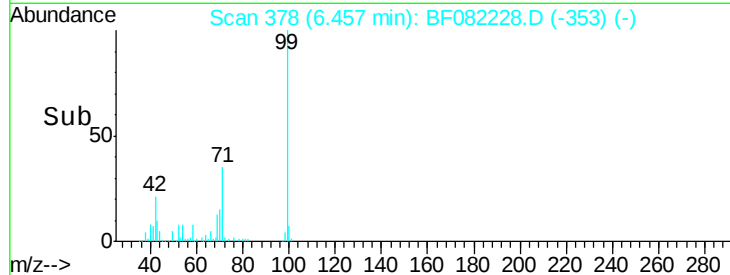
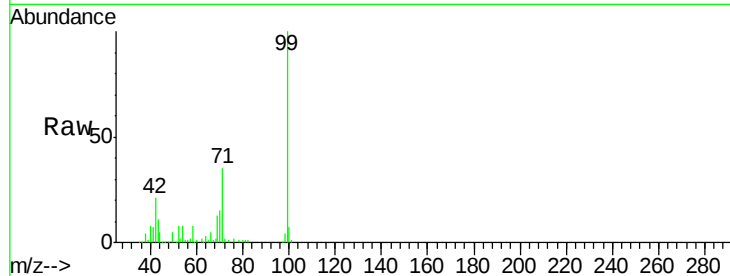


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.10 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-9D

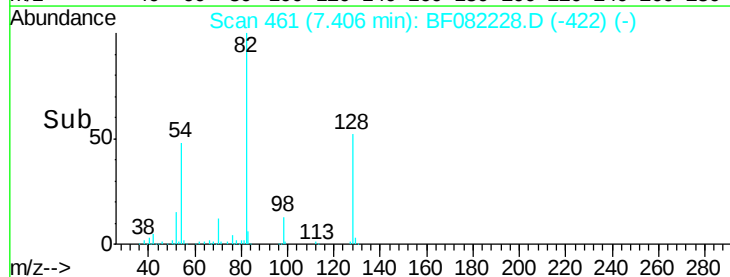
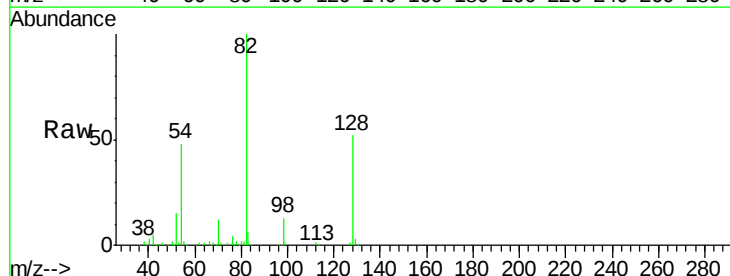
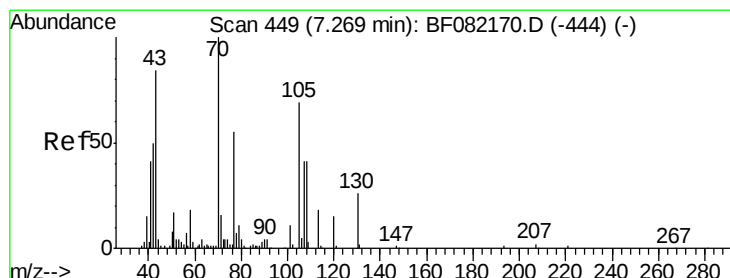
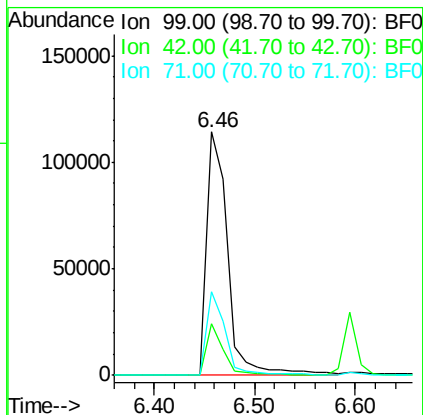
Tot Ion: 99 Resp: 166130

Ion Ratio Lower Upper

99 100

42 21.0 13.2 19.8#

71 34.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.86 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Tgt Ion: 70 Resp: 51071

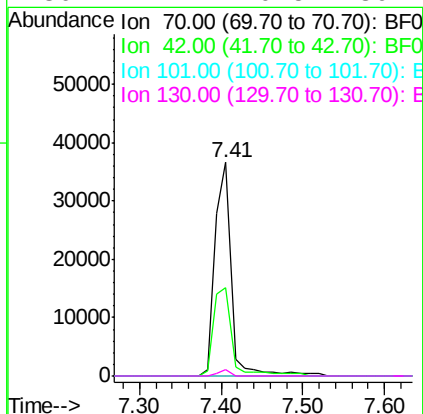
Ion Ratio Lower Upper

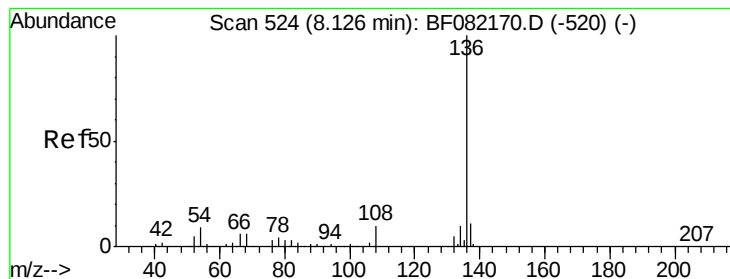
70 100

42 41.3 39.8 59.8

101 0.0 8.6 13.0#

130 2.7 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-9D

Tot Ion:136 Resp: 245023

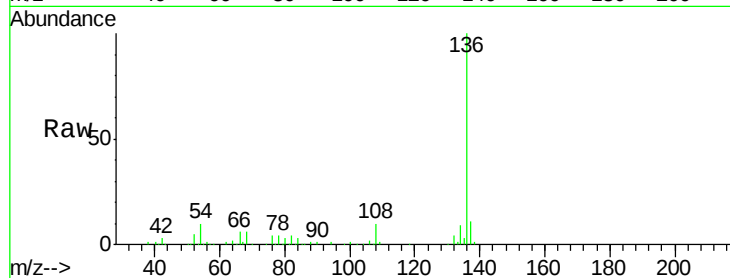
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 10.2 7.5 11.3

68 6.2 4.6 7.0

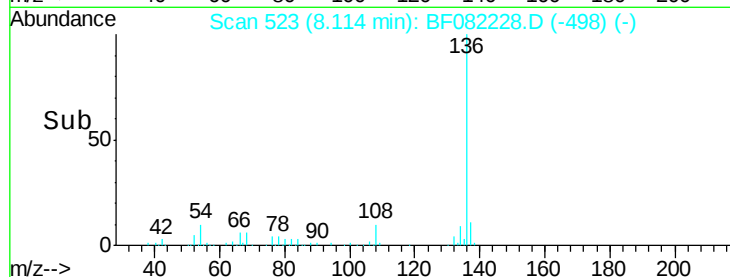


Abundance Ion 136.00 (135.70 to 136.70): E

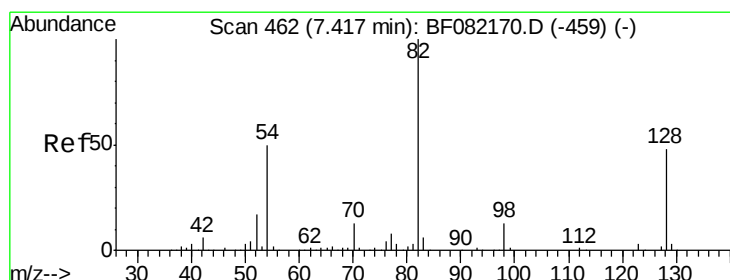
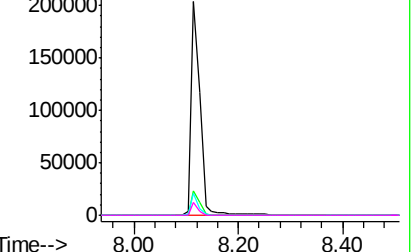
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 110.55 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.00 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

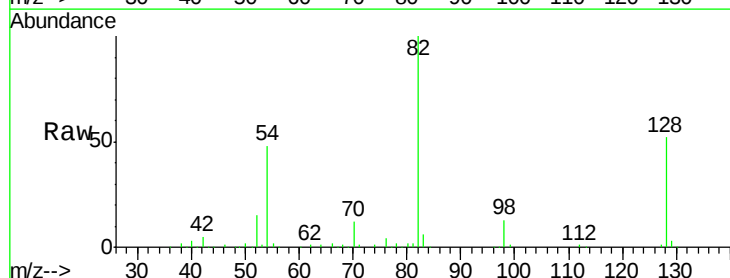
Tgt Ion: 82 Resp: 403352

Ion Ratio Lower Upper

82 100

128 51.7 38.7 58.1

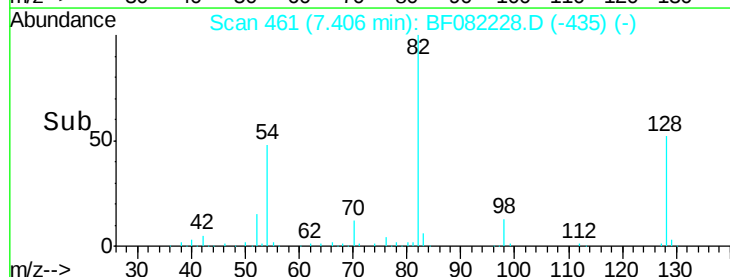
54 47.9 40.1 60.1



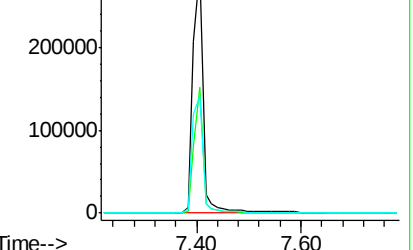
Abundance Ion 82.00 (81.70 to 82.70): BF0

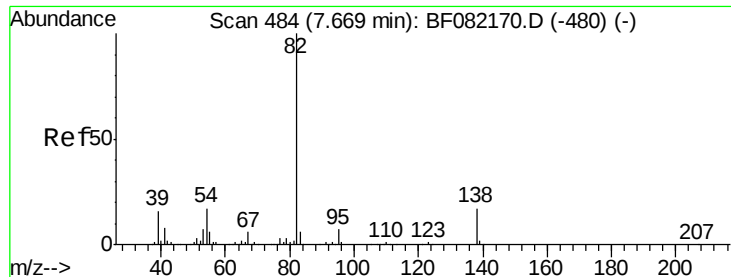
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 52.98 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-9D

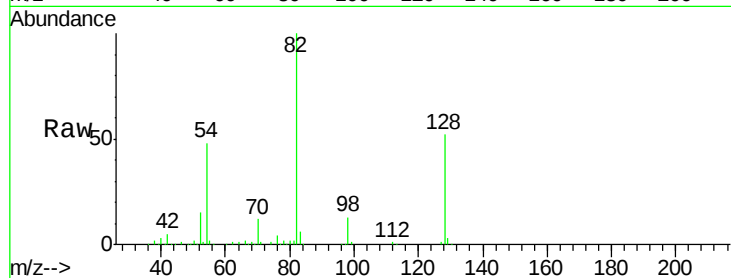
Tot Ion: 82 Resp: 390122

Ion Ratio Lower Upper

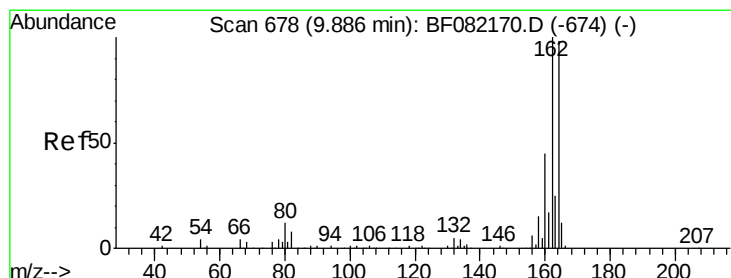
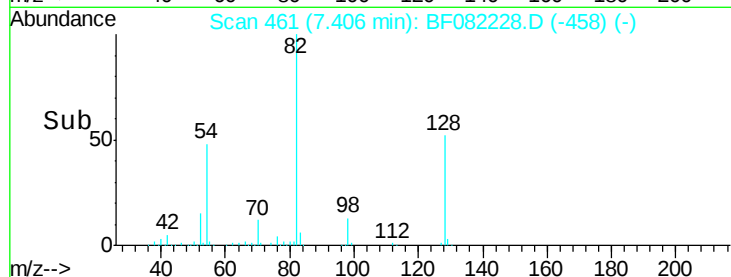
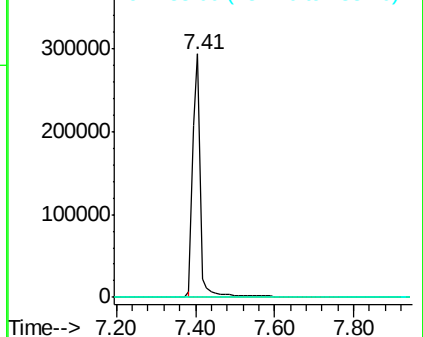
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

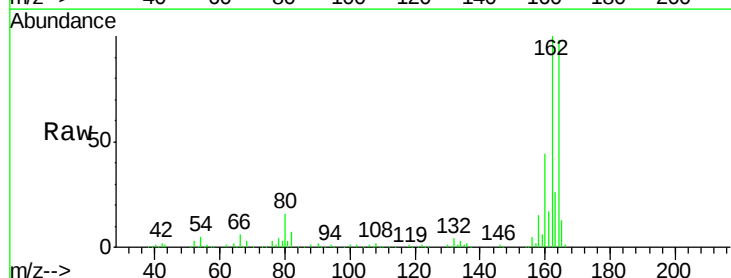
Tgt Ion:164 Resp: 131193

Ion Ratio Lower Upper

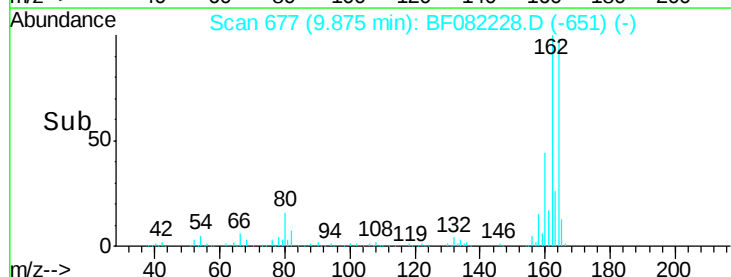
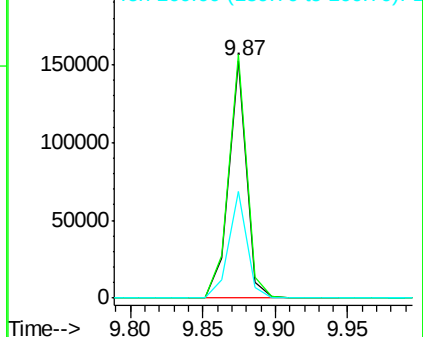
164 100

162 102.4 81.6 122.4

160 45.0 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

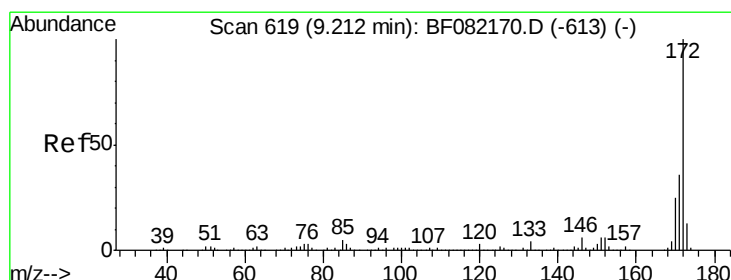
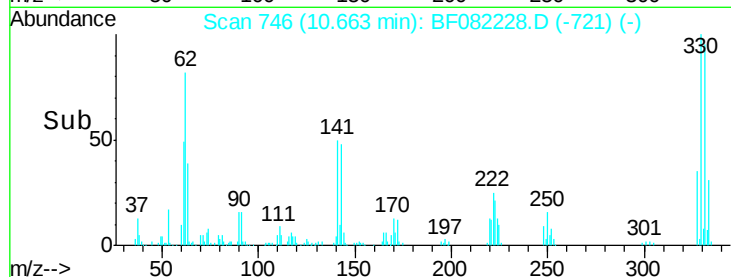
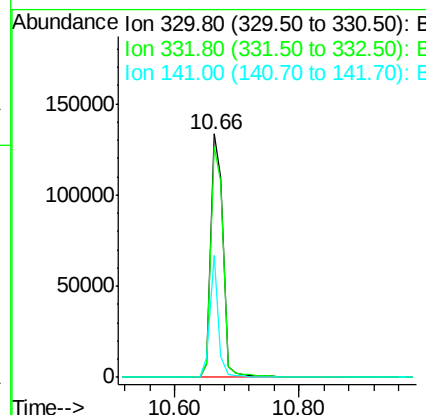
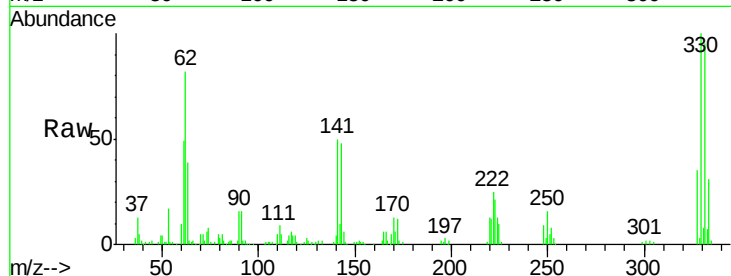




#41  
 2,4,6-Tribromophenol  
 Concen: 149.51 ng  
 RT: 10.66 min Scan# 746  
 Delta R.T. -0.01 min  
 Lab File: BF082228.D  
 Acq: 12 Oct 2015 19:12

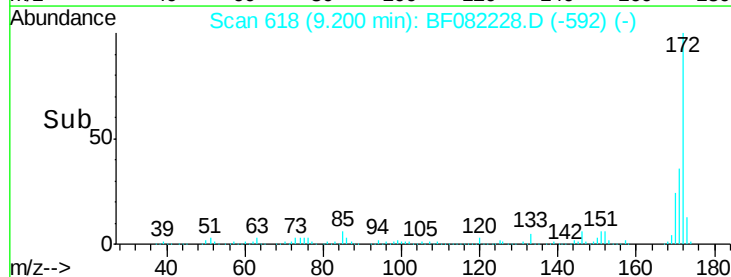
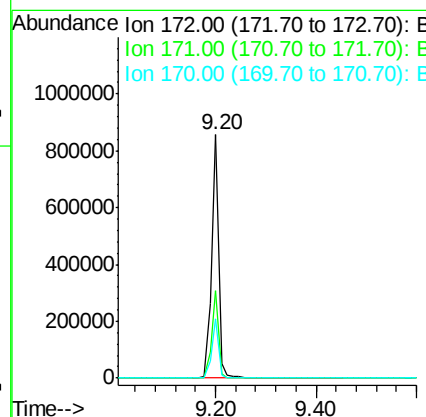
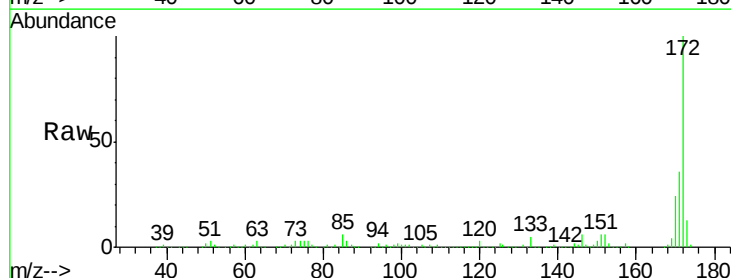
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW-9D

Tot Ion:330 Resp: 183954  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.1 115.7  
 141 34.8 29.8 44.8



#44  
 2-Fluorobiphenyl  
 Concen: 105.67 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. -0.00 min  
 Lab File: BF082228.D  
 Acq: 12 Oct 2015 19:12

Tgt Ion:172 Resp: 835959  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 42.8  
 170 24.5 19.7 29.5

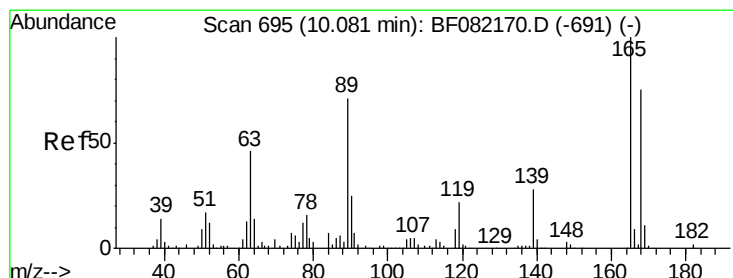
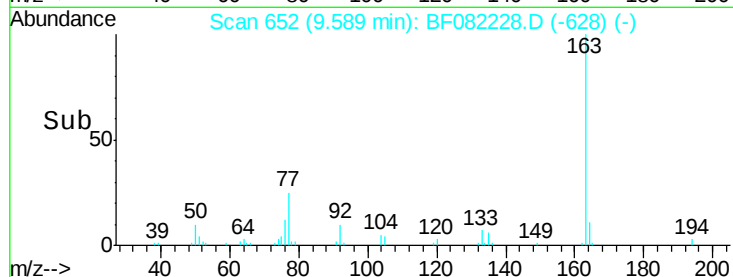
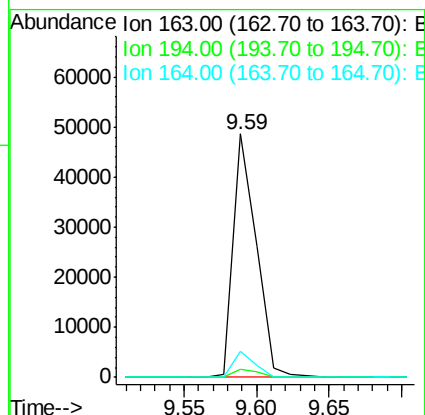
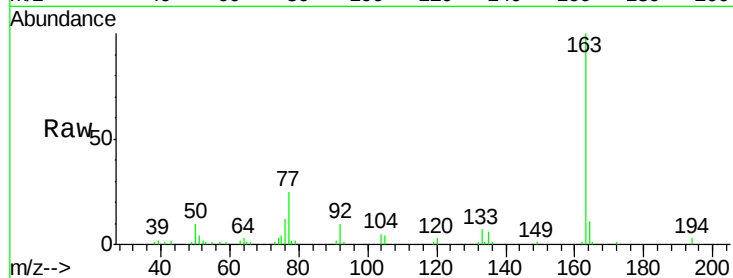




#49  
Dimethylphthalate  
Concen: 5.82 ng  
RT: 9.59 min Scan# 652  
Delta R.T. -0.02 min  
Lab File: BF082228.D  
Acq: 12 Oct 2015 19:12

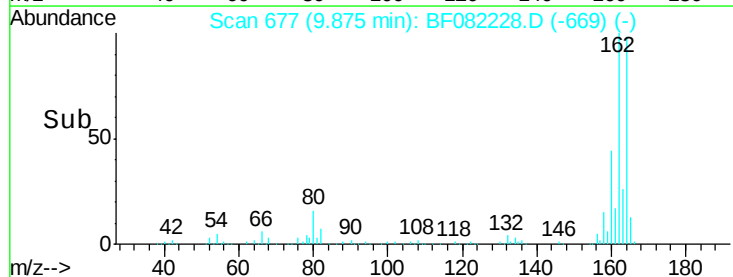
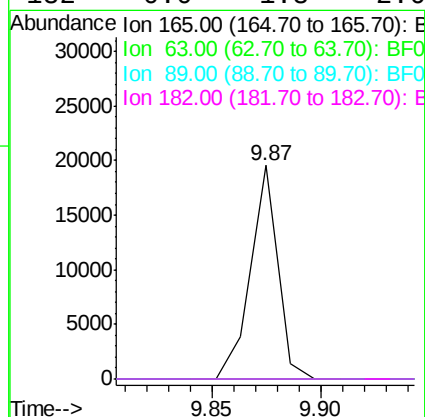
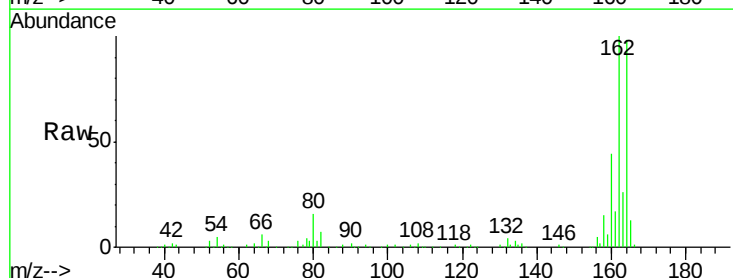
Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW-9D

Tot Ion:163 Resp: 53761  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 10.7 8.5 12.7



#56  
2,4-Dinitrotoluene  
Concen: 6.99 ng  
RT: 9.87 min Scan# 677  
Delta R.T. -0.21 min  
Lab File: BF082228.D  
Acq: 12 Oct 2015 19:12

Tgt Ion:165 Resp: 17035  
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#

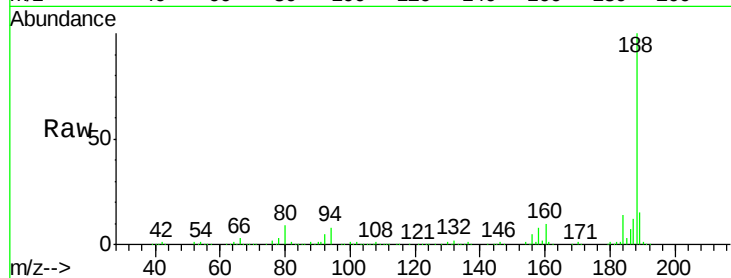




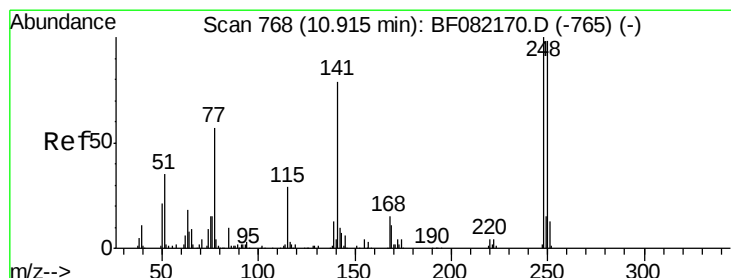
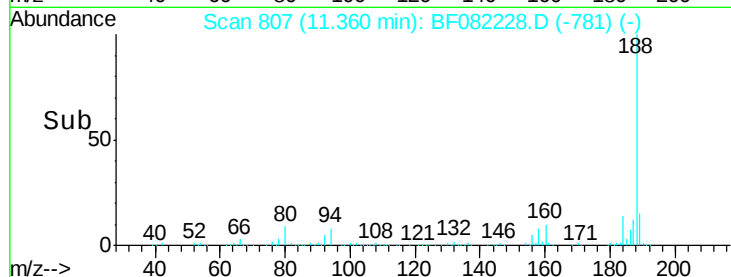
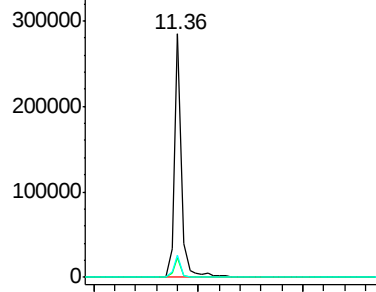
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 807  
Delta R.T. -0.00 min  
Lab File: BF082228.D  
Acq: 12 Oct 2015 19:12

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW-9D

Tot Ion:188 Resp: 268234  
Ion Ratio Lower Upper  
188 100  
94 8.1 5.8 8.6  
80 8.9 6.4 9.6

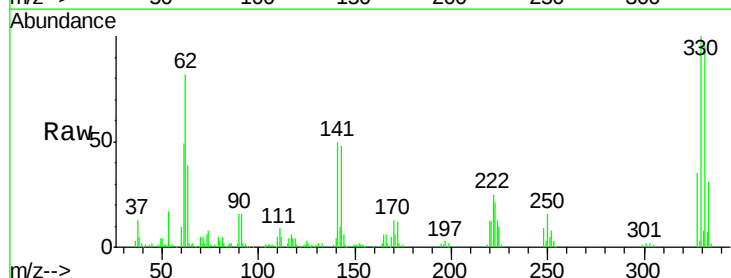


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

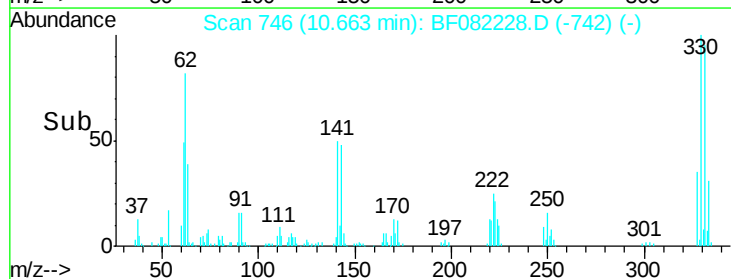
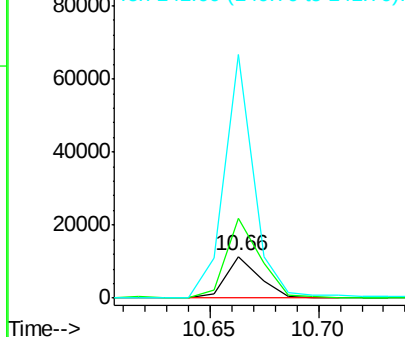


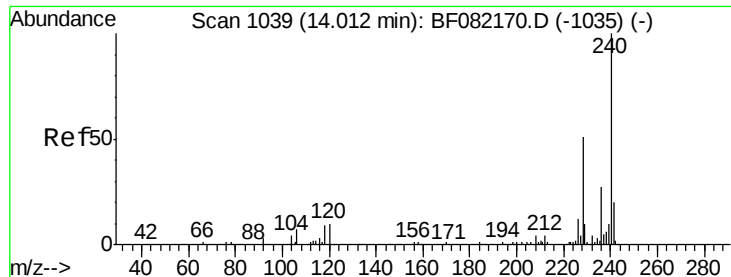
#66  
4-Bromophenyl-phenylether  
Concen: 4.52 ng  
RT: 10.66 min Scan# 746  
Delta R.T. -0.25 min  
Lab File: BF082228.D  
Acq: 12 Oct 2015 19:12

Tgt Ion:248 Resp: 12143  
Ion Ratio Lower Upper  
248 100  
250 190.9 78.6 117.8#  
141 581.9 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: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-9D

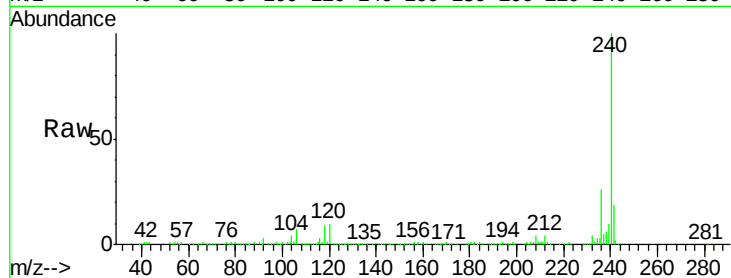
Tot Ion:240 Resp: 260746

Ion Ratio Lower Upper

240 100

120 9.5 8.1 12.1

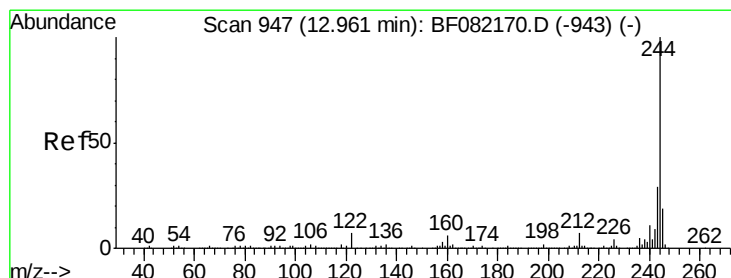
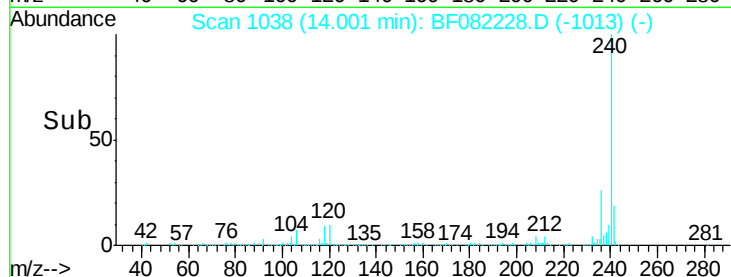
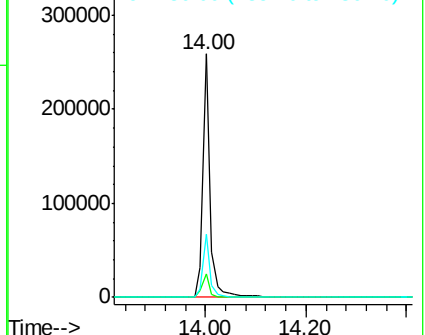
236 26.0 21.3 31.9



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: 82.56 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF082228.D

Acq: 12 Oct 2015 19:12

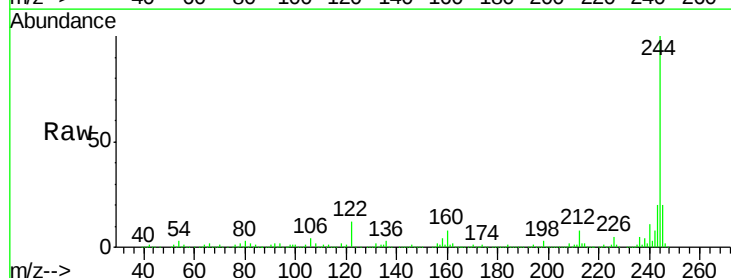
Tgt Ion:244 Resp: 812320

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.6

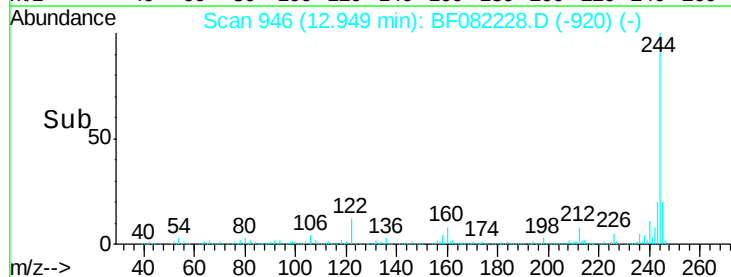
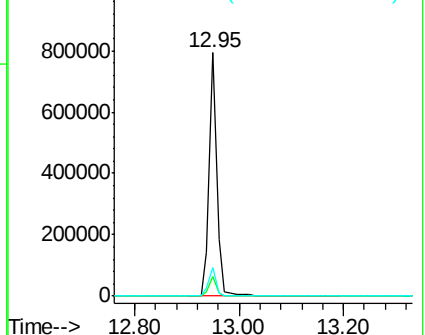
122 11.9 5.9 8.9#

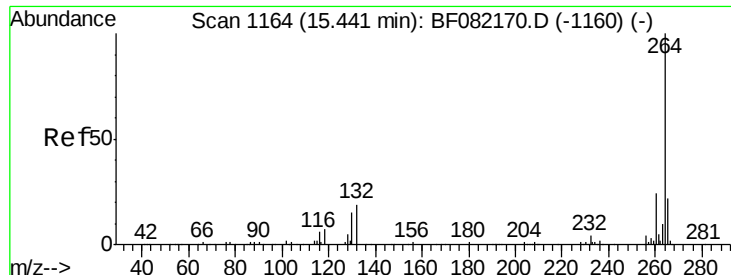


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1164  
 Delta R.T. -0.00 min  
 Lab File: BF082228.D  
 Acq: 12 Oct 2015 19:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW-9D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.0  | 28.6  |
| 265     | 20.6  | 17.3  | 25.9  |

