

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110315\  
 Data File : BF082672.D  
 Acq On : 3 Nov 2015 20:46  
 Operator : UM/IZ  
 Sample : G4240-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08(10-12)

Quant Time: Nov 04 03:20:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 03 12:27:47 2015  
 Response via : Initial Calibration

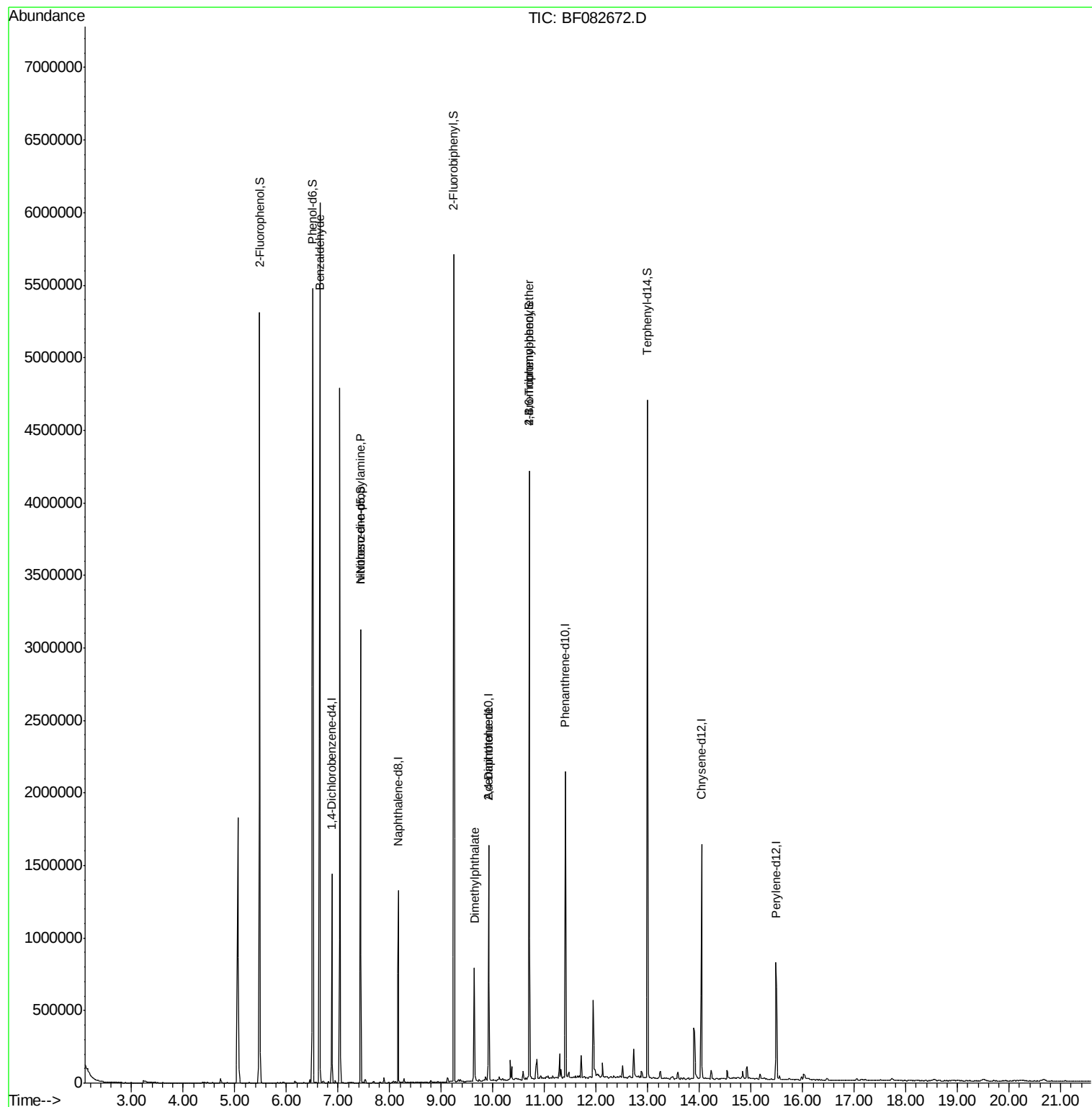
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 178029   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.17  | 136  | 682443   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.92  | 164  | 346872   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 683818   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 14.04 | 240  | 561970   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12               | 15.48 | 264  | 441227   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.48  | 112  | 1320137  | 111.68 | ng    | 0.01      |
| 7) Phenol-d6                   | 6.51  | 99   | 1924793  | 122.57 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 1144173  | 68.46  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 465268   | 122.56 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 1806012  | 73.92  | ng    | -0.01     |
| 78) Terphenyl-d14              | 12.99 | 244  | 1966162  | 76.57  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.65  | 77   | 44886    | 4.19   | ng    | Qvalue 90 |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70   | 158059   | 13.28  | ng    | # 72      |
| 49) Dimethylphthalate          | 9.64  | 163  | 475186   | 16.77  | ng    | # 97      |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 45415    | 5.72   | ng    | # 16      |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 31213    | 4.03   | ng    | # 1       |

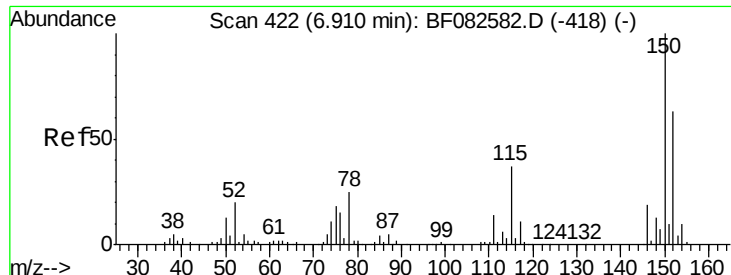
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110315\  
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Misc :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF103015.M  
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QLast Update : Tue Nov 03 12:27:47 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

Instrument :

BNA\_F

ClientSampleId :

SB-08(10-12)

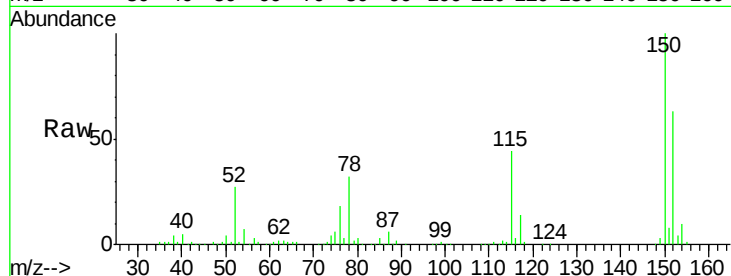
Tgt Ion:152 Resp: 178029

Ion Ratio Lower Upper

152 100

150 159.0 127.0 190.4

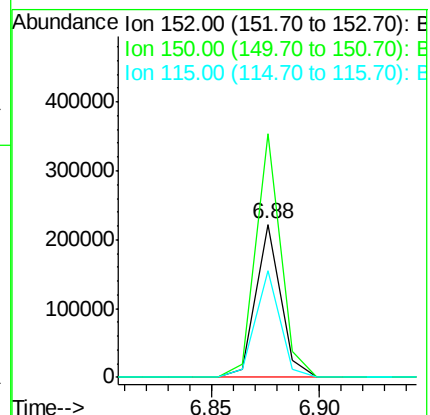
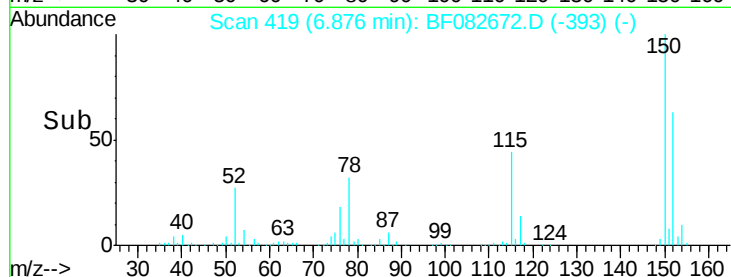
115 70.0 47.0 70.6



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: 111.68 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

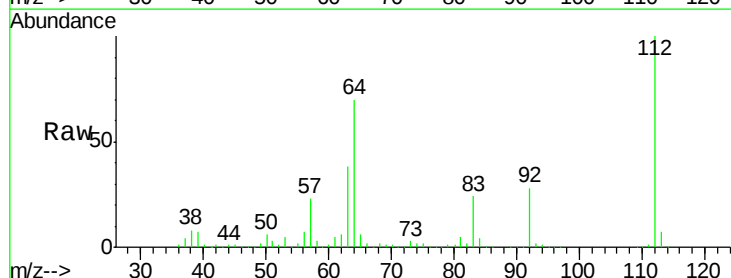
Tgt Ion:112 Resp: 1320137

Ion Ratio Lower Upper

112 100

64 70.0 48.9 73.3

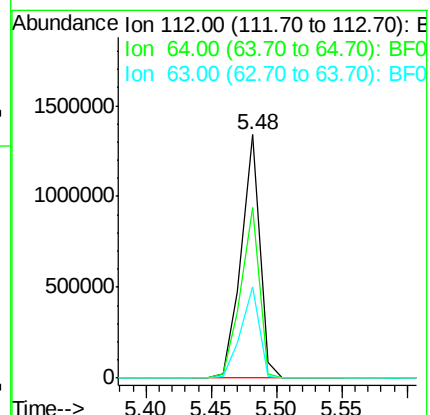
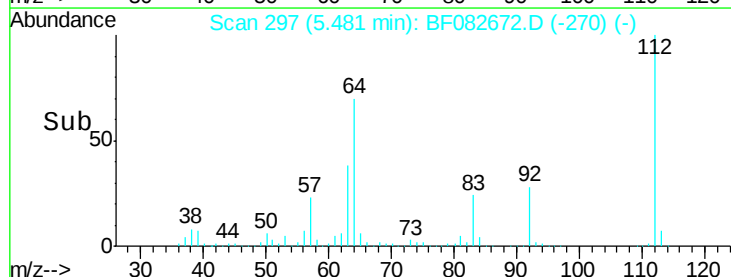
63 37.6 28.1 42.1



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: 122.57 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

Instrument :

BNA\_F

ClientSampleId :

SB-08(10-12)

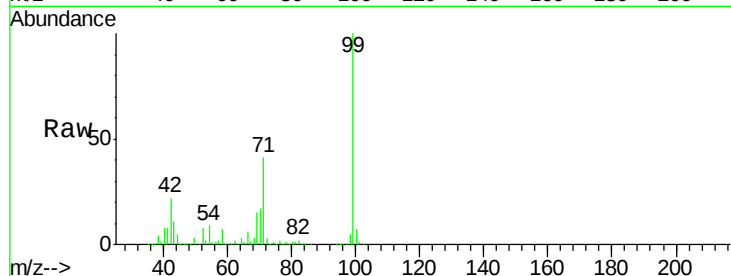
Tgt Ion: 99 Resp: 1924793

Ion Ratio Lower Upper

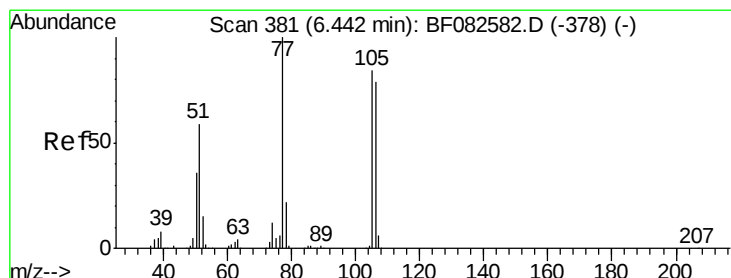
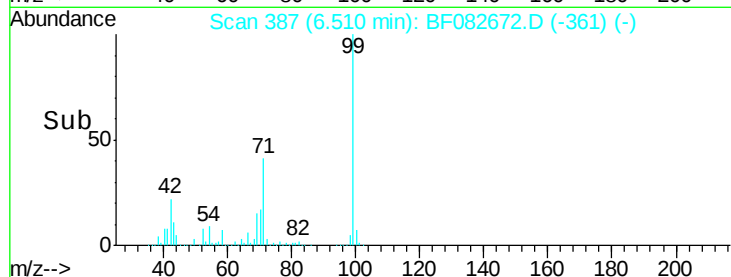
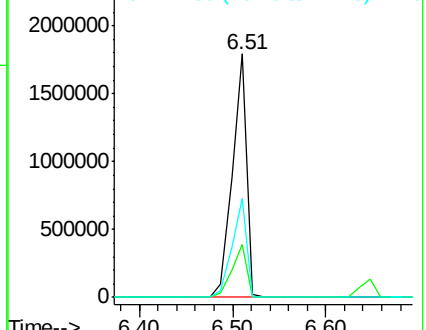
99 100

42 21.8 19.2 28.8

71 40.9 35.0 52.4



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



#9

Benzaldehyde

Concen: 4.19 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

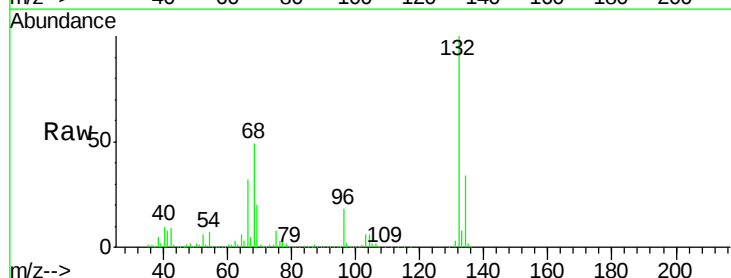
Tgt Ion: 77 Resp: 44886

Ion Ratio Lower Upper

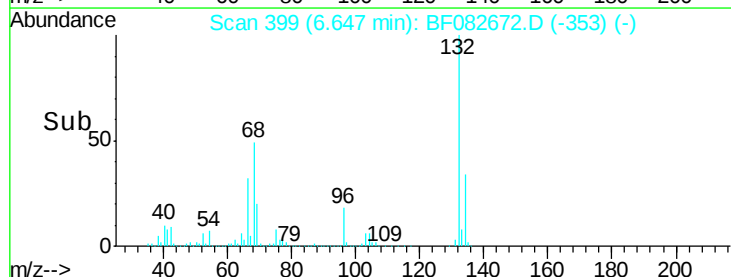
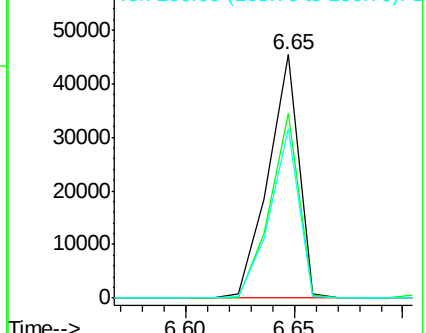
77 100

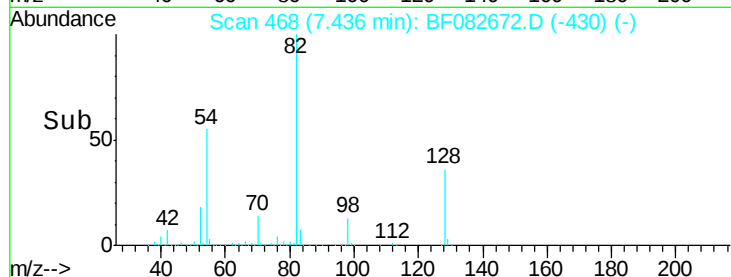
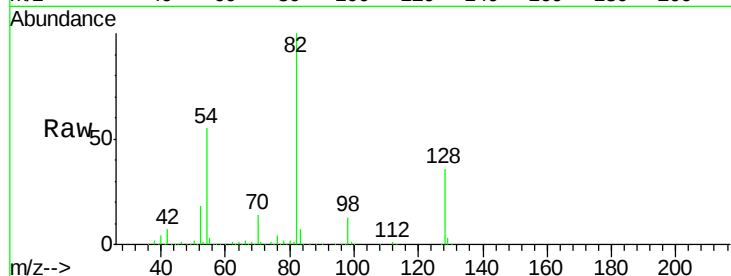
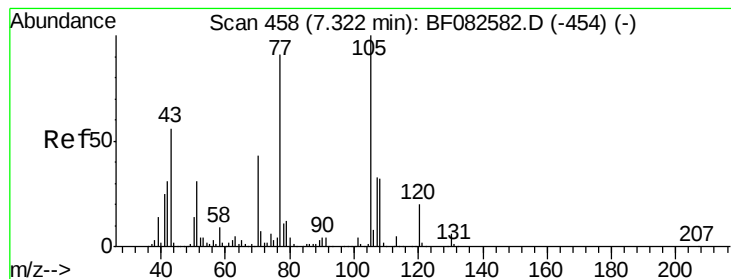
105 76.0 63.5 103.5

106 69.3 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.28 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

Instrument :

BNA\_F

ClientSampleId :

SB-08(10-12)

Tgt Ion: 70 Resp: 158059

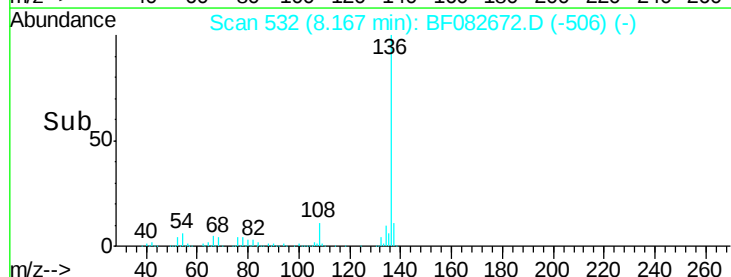
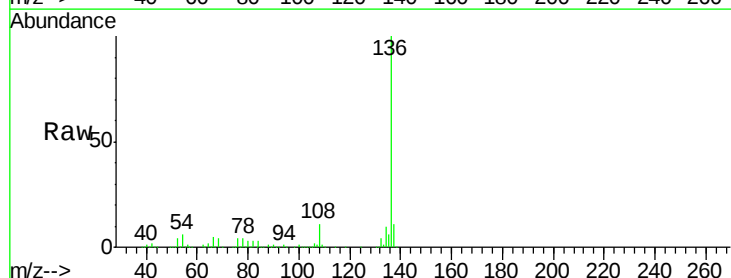
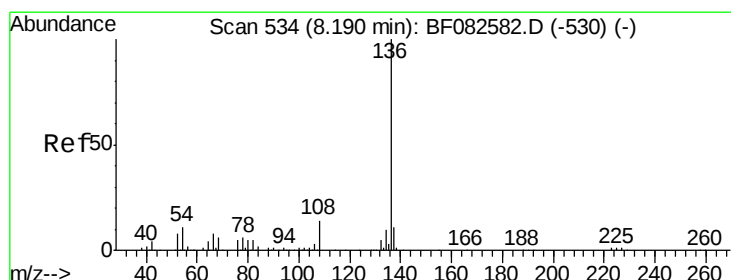
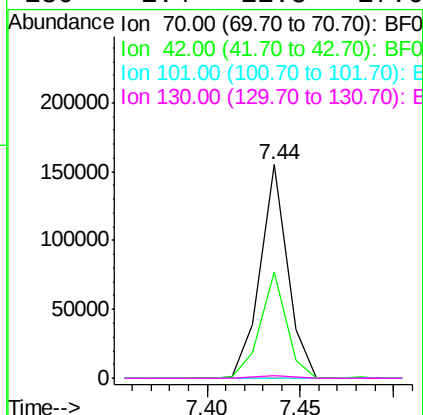
Ion Ratio Lower Upper

70 100

42 49.5 57.7 86.5#

101 0.0 7.0 10.6#

130 1.4 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

Tgt Ion: 136 Resp: 682443

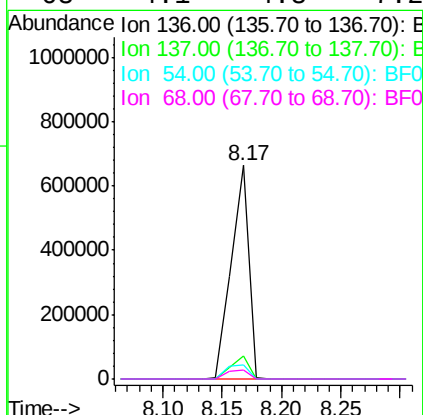
Ion Ratio Lower Upper

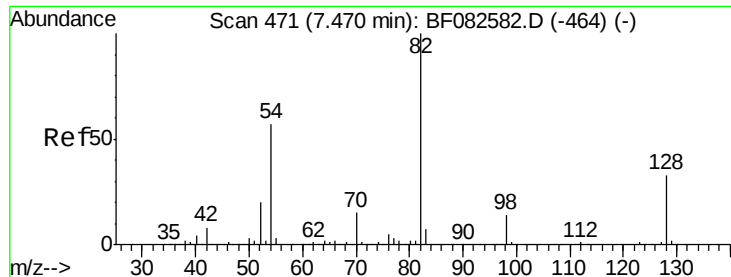
136 100

137 10.9 9.1 13.7

54 6.5 9.1 13.7#

68 4.1 4.8 7.2#

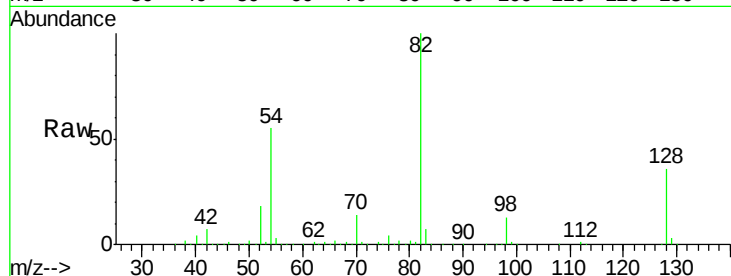




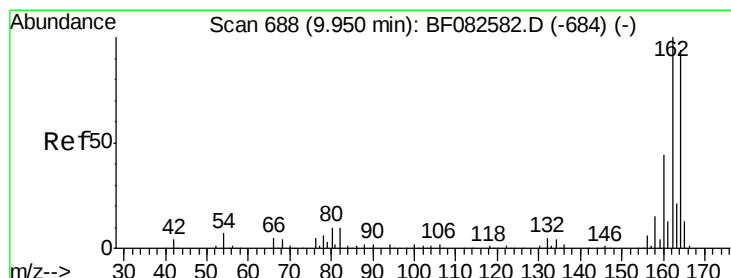
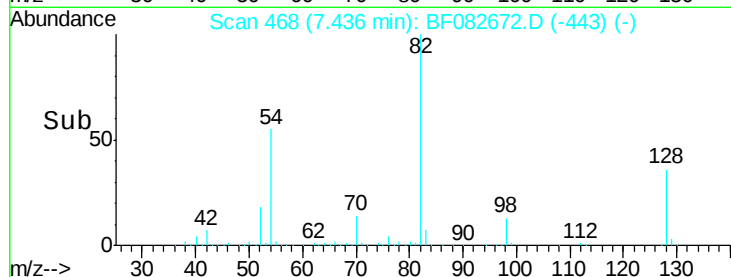
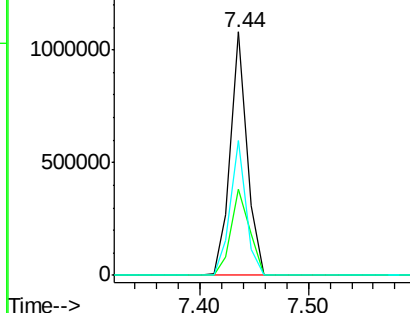
#23  
 Nitrobenzene-d5  
 Concen: 68.46 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.01 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08(10-12)

Tgt Ion: 82 Resp: 1144173  
 Ion Ratio Lower Upper  
 82 100  
 128 35.5 26.8 40.2  
 54 55.4 45.7 68.5

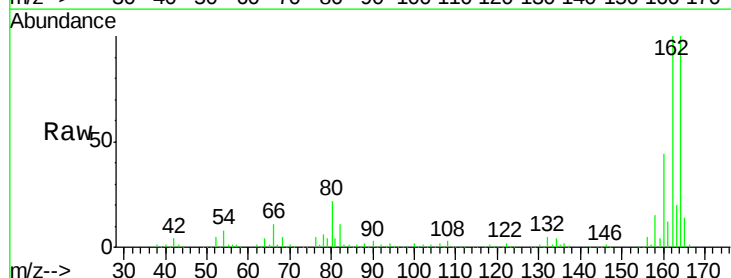


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

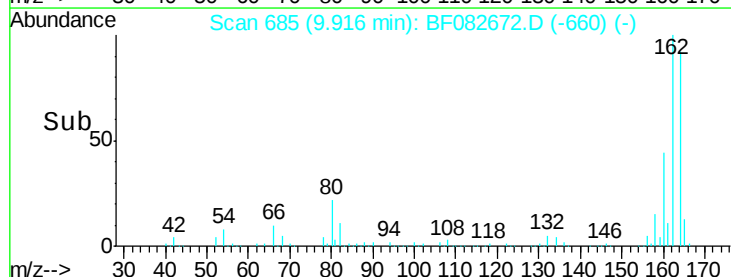
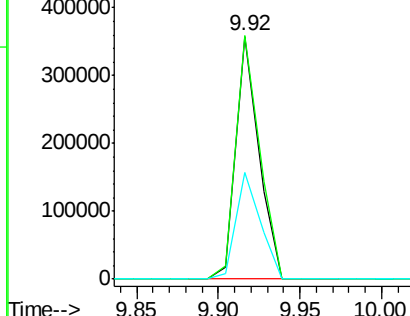


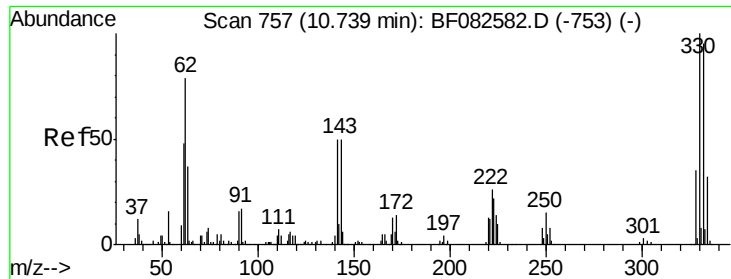
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.92 min Scan# 685  
 Delta R.T. -0.01 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

Tgt Ion: 164 Resp: 346872  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 84.9 127.3  
 160 43.8 37.5 56.3



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

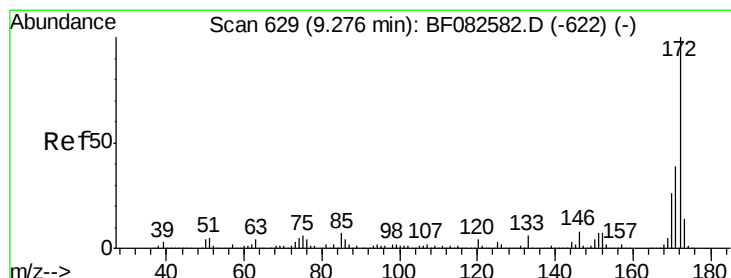
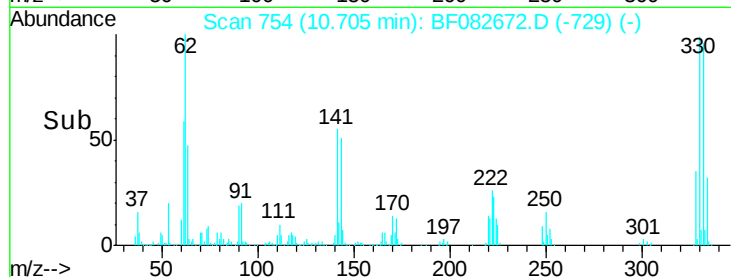
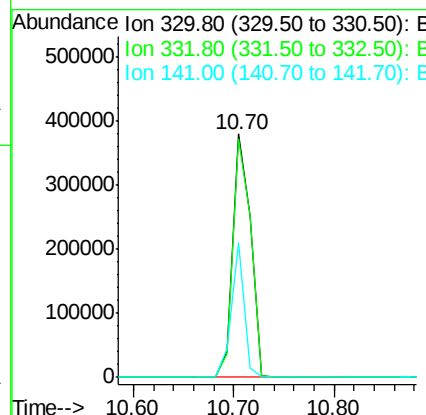
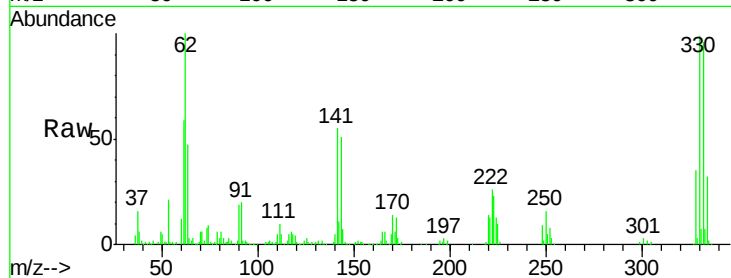




#41  
 2,4,6-Tribromophenol  
 Concen: 122.56 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

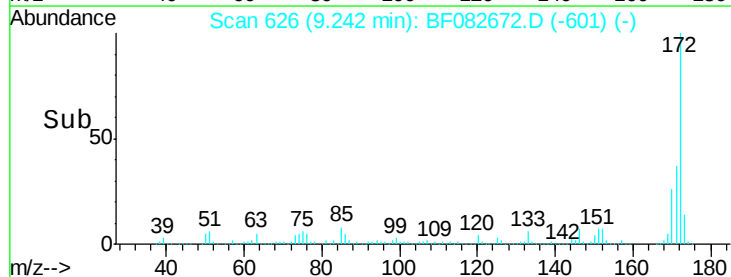
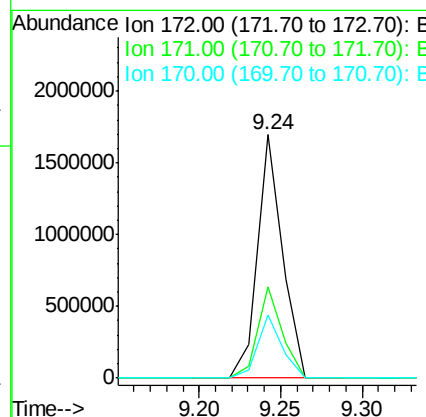
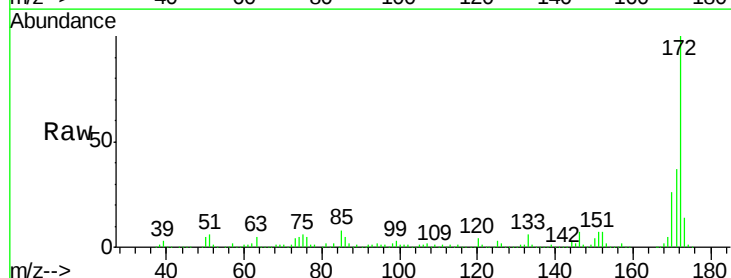
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08(10-12)

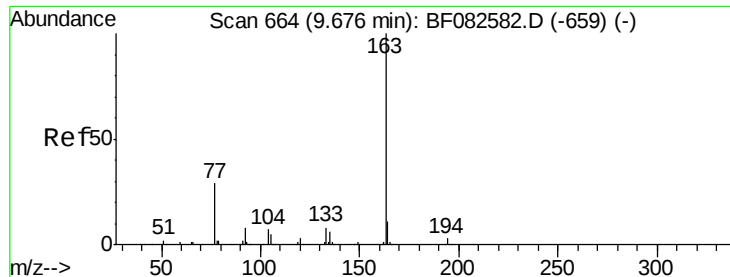
Tgt Ion:330 Resp: 465268  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 76.6 114.8  
 141 40.2 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 73.92 ng  
 RT: 9.24 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

Tgt Ion:172 Resp: 1806012  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 30.8 46.2  
 170 25.8 21.2 31.8

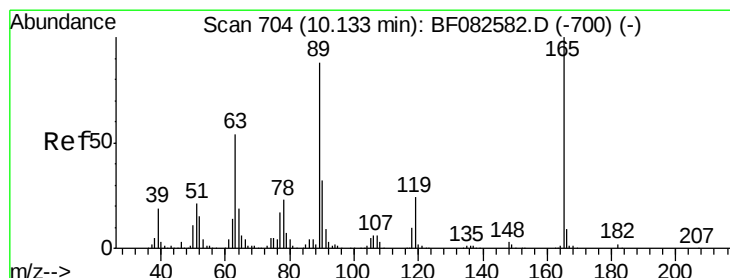
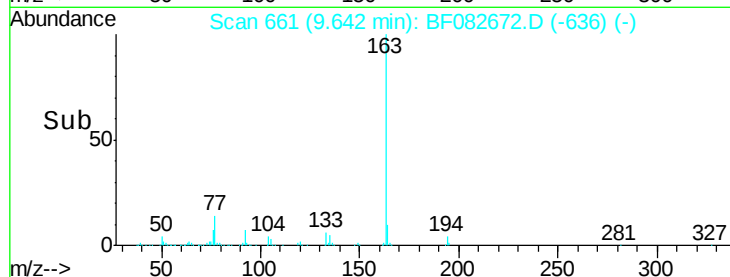
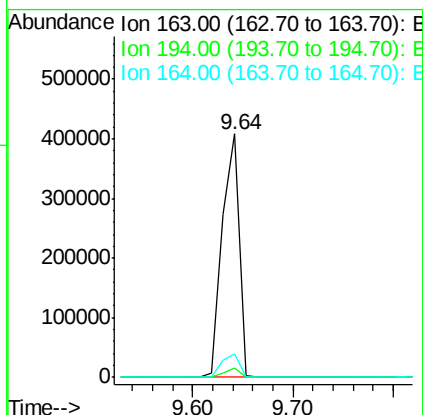
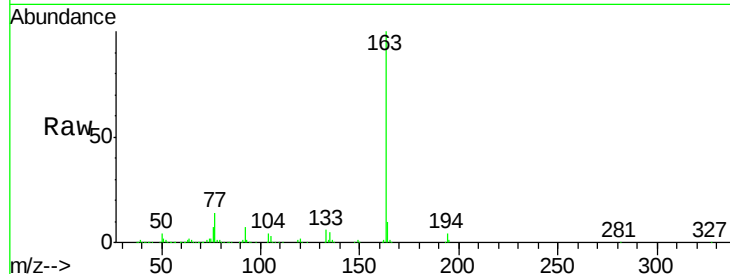




#49  
Dimethylphthalate  
Concen: 16.77 ng  
RT: 9.64 min Scan# 661  
Delta R.T. -0.01 min  
Lab File: BF082672.D  
Acq: 3 Nov 2015 20:46

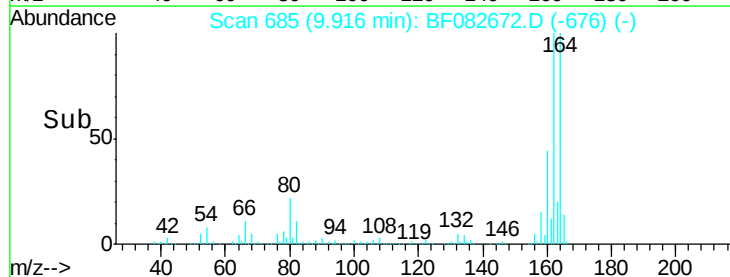
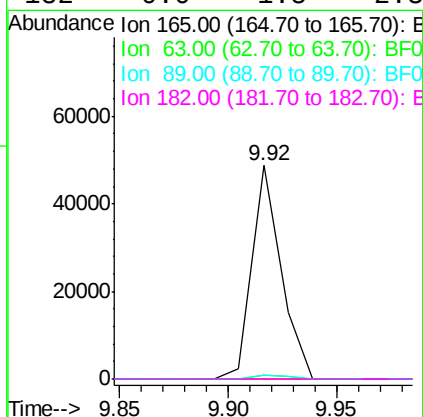
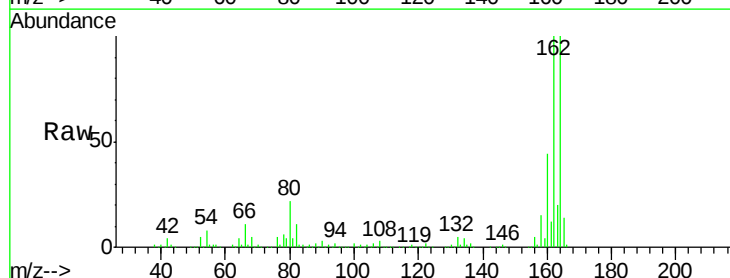
Instrument :  
BNA\_F  
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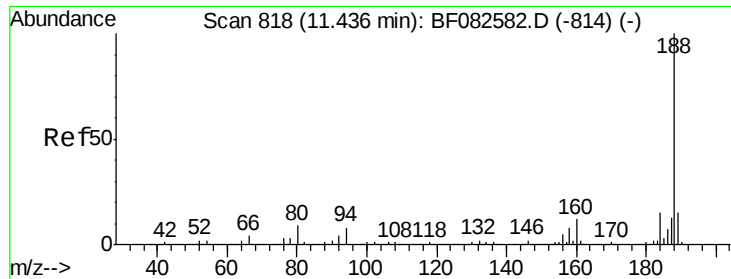
Tgt Ion:163 Resp: 475186  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.6 4.0#  
164 9.7 8.7 13.1



#56  
2,4-Dinitrotoluene  
Concen: 5.72 ng  
RT: 9.92 min Scan# 685  
Delta R.T. -0.19 min  
Lab File: BF082672.D  
Acq: 3 Nov 2015 20:46

Tgt Ion:165 Resp: 45415  
Ion Ratio Lower Upper  
165 100  
63 1.6 43.4 65.0#  
89 1.8 70.6 106.0#  
182 0.0 1.5 2.3#

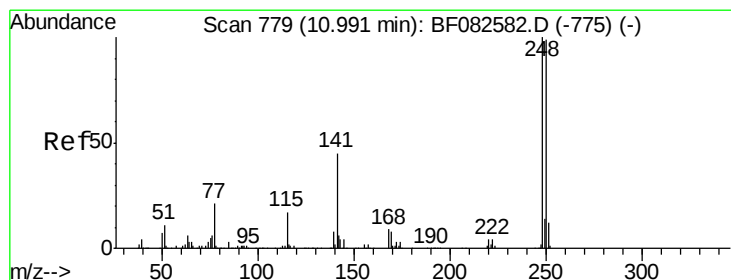
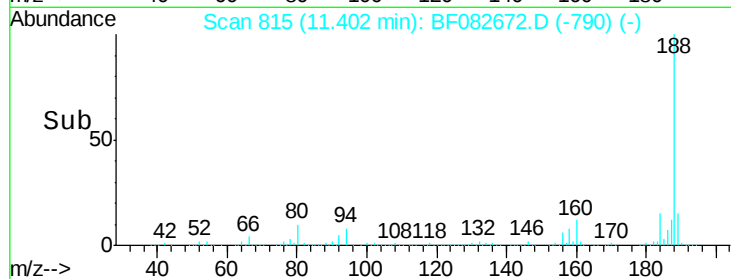
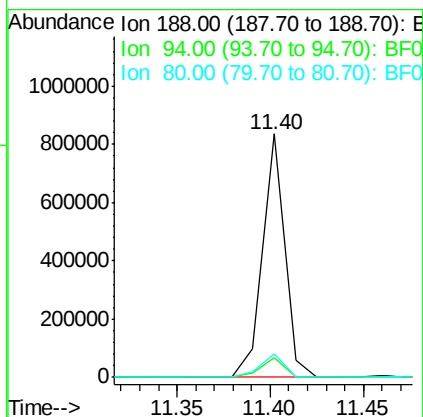
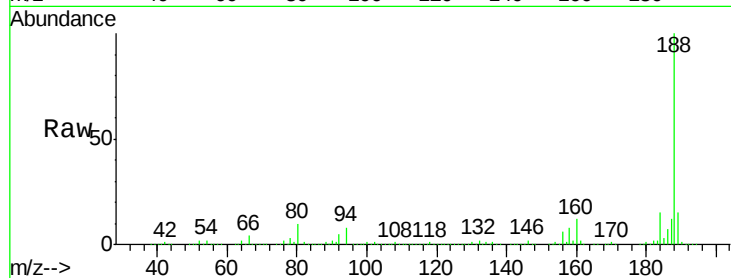




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.40 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

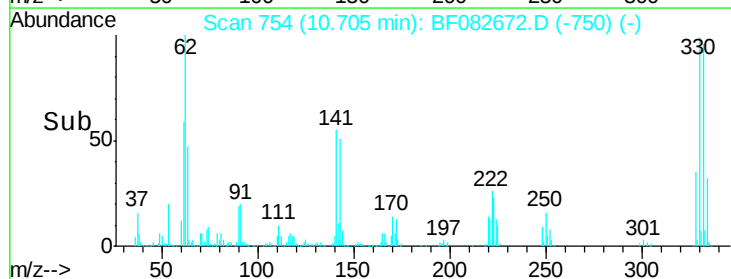
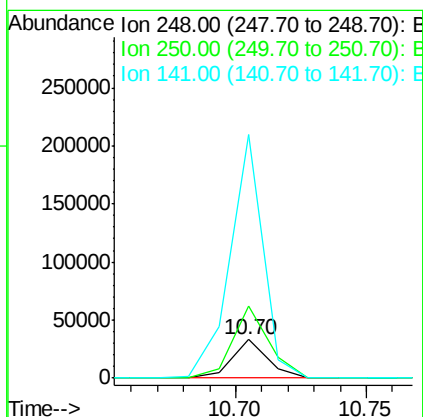
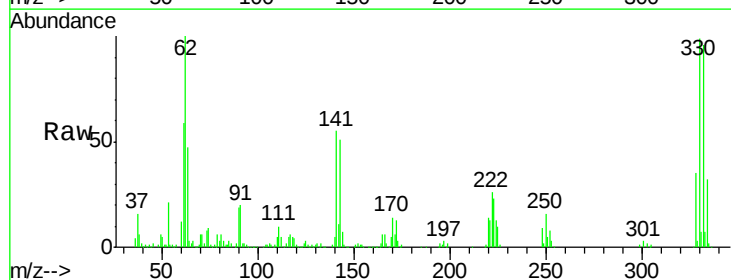
Instrument :  
 BNA\_F  
 ClientSampleId :  
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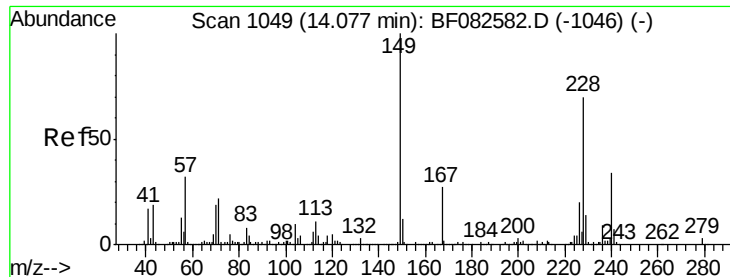
Tgt Ion:188 Resp: 683818  
 Ion Ratio Lower Upper  
 188 100  
 94 8.0 6.1 9.1  
 80 9.7 7.0 10.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.03 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.25 min  
 Lab File: BF082672.D  
 Acq: 3 Nov 2015 20:46

Tgt Ion:248 Resp: 31213  
 Ion Ratio Lower Upper  
 248 100  
 250 188.7 79.4 119.2#  
 141 636.6 36.3 54.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

Instrument :

BNA\_F

ClientSampleId :

SB-08(10-12)

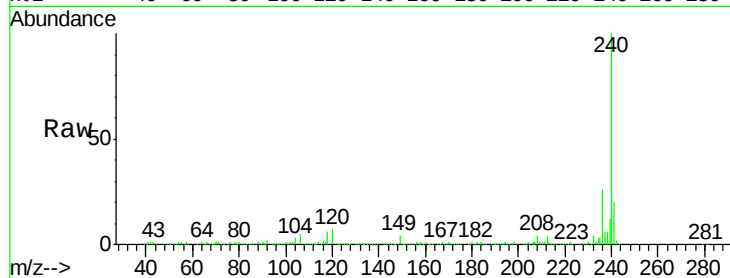
Tgt Ion:240 Resp: 561970

Ion Ratio Lower Upper

240 100

120 6.9 10.9 16.3#

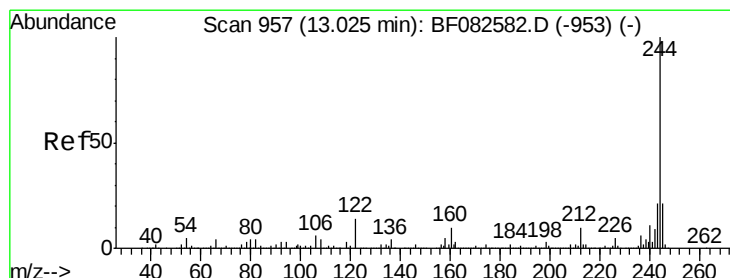
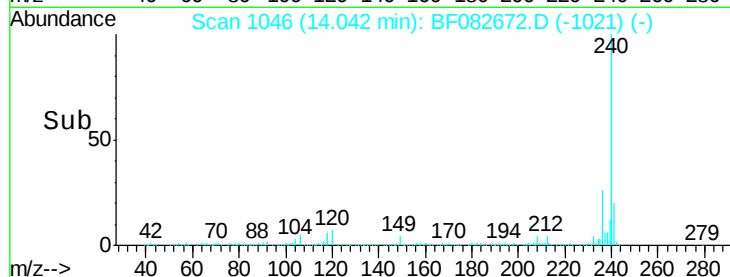
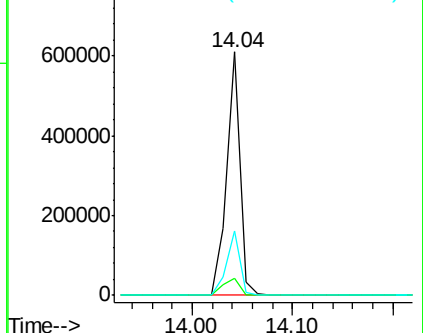
236 26.4 21.6 32.4



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: 76.57 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082672.D

Acq: 3 Nov 2015 20:46

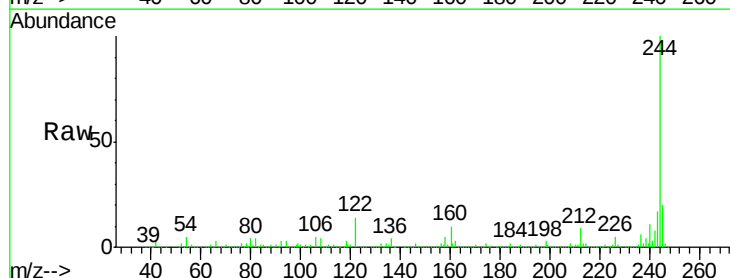
Tgt Ion:244 Resp: 1966162

Ion Ratio Lower Upper

244 100

212 8.6 7.6 11.4

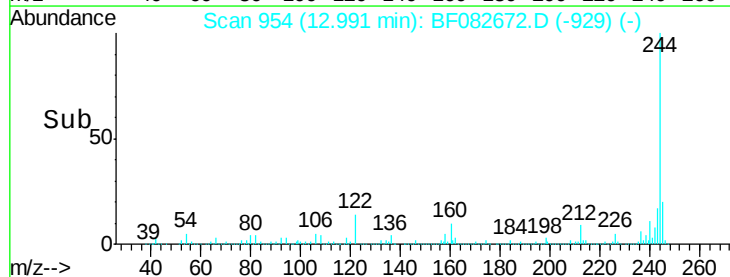
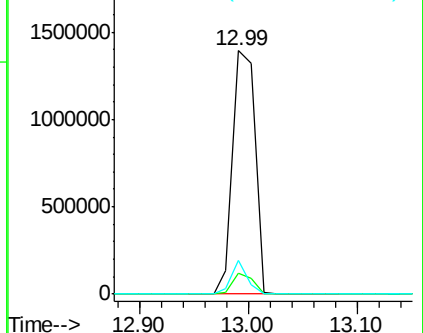
122 14.1 11.3 16.9

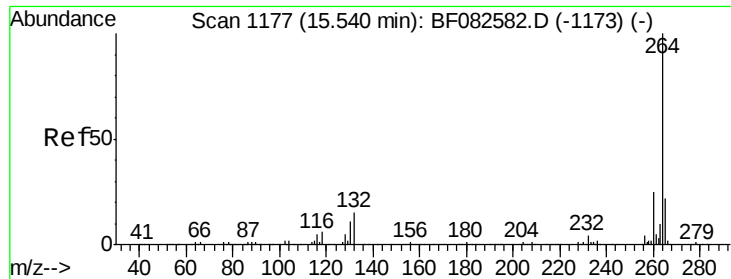


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

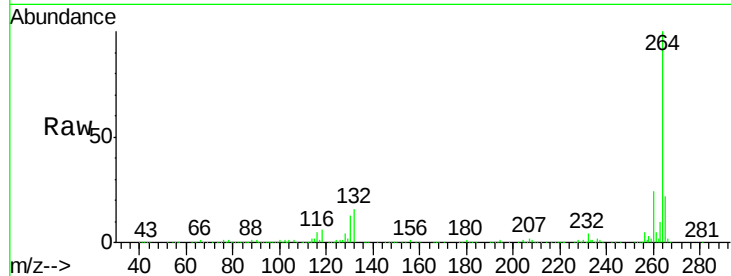




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.48 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BF082672.D  
Acq: 3 Nov 2015 20:46

Instrument :  
BNA\_F  
ClientSampleId :  
SB-08(10-12)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 441227 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.1  | 19.8  | 29.6   |
| 265      | 21.8  | 17.4  | 26.0   |



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

