

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\  
 Data File : BF082201.D  
 Acq On : 11 Oct 2015 3:41  
 Operator : UM/IZ  
 Sample : G3959-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 12 03:04:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 02:59:50 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 103929   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 417202   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 195921   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.36 | 188  | 345133   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.00 | 240  | 298806   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.44 | 264  | 232327   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 301492   | 58.55  | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 256443   | 38.27  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 554736   | 89.29  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 258992   | 140.96 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1172795  | 99.27  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 1063745  | 94.34  | ng    | 0.00     |

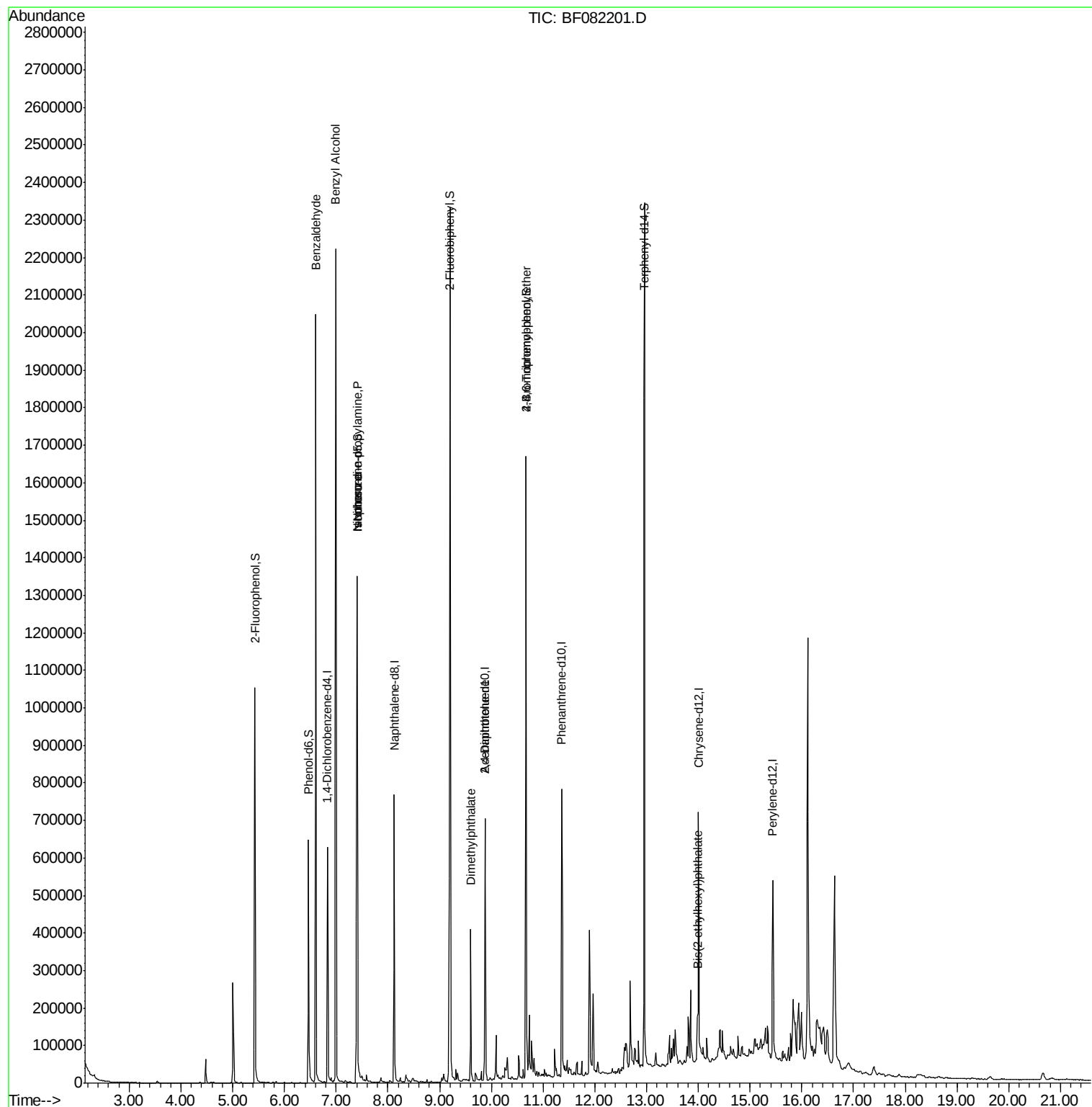
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.61  | 77   | 13563    | 3.96      | ng    | 80     |
| 15) Benzyl Alcohol             | 6.99  | 79   | 10176    | 2.20      | ng    | # 50   |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 72057    | 15.31     | ng    | # 80   |
| 25) Isophorone                 | 7.41  | 82   | 436893   | 34.84     | ng    | # 66   |
| 49) Dimethylphthalate          | 9.60  | 163  | 178608   | 12.95     | ng    | 99     |
| 55) 4-Nitrophenol              | 10.09 | 139  | 265      | Below Cal | #     | 69     |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 24204    | 6.65      | ng    | # 23   |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 18211    | 5.27      | ng    | # 1    |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 44857    | 3.89      | ng    | # 97   |

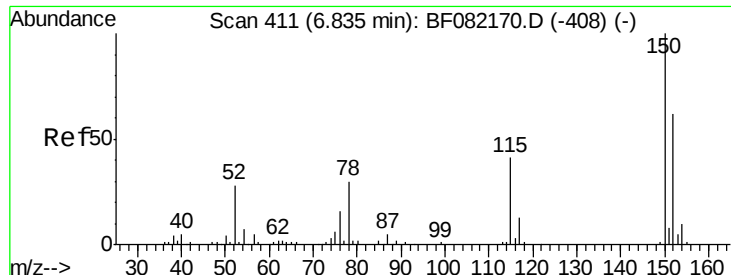
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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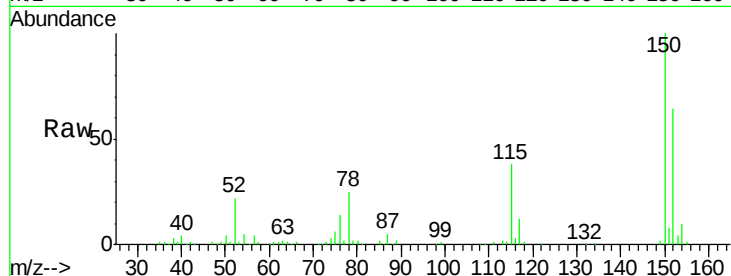


#1

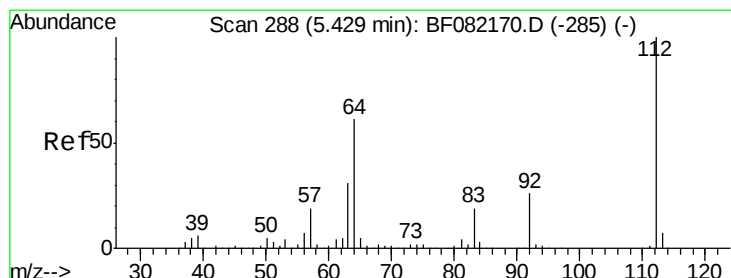
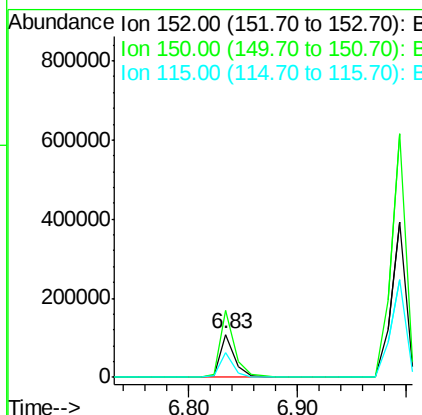
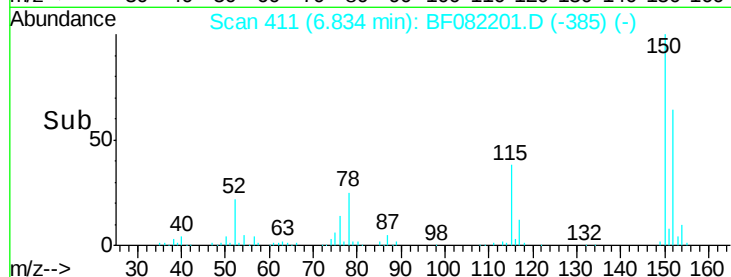
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.83 min Scan# 411  
 Delta R.T. 0.00 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 129.0 | 193.4 |
| 115     | 58.7  | 52.1  | 78.1  |



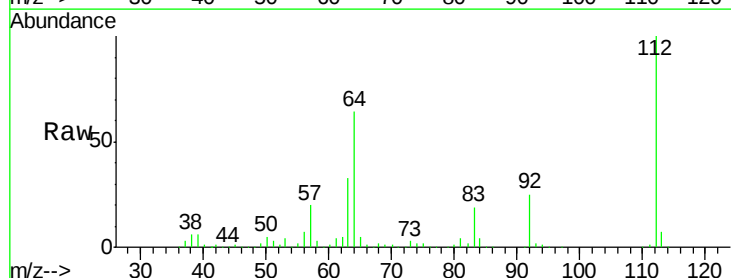
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



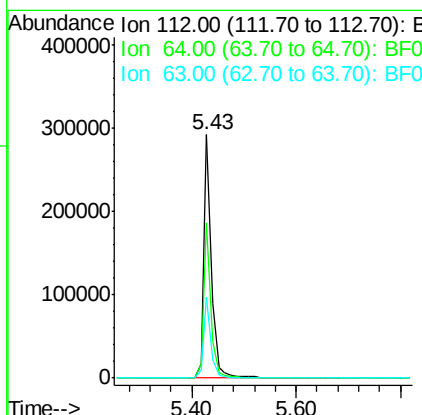
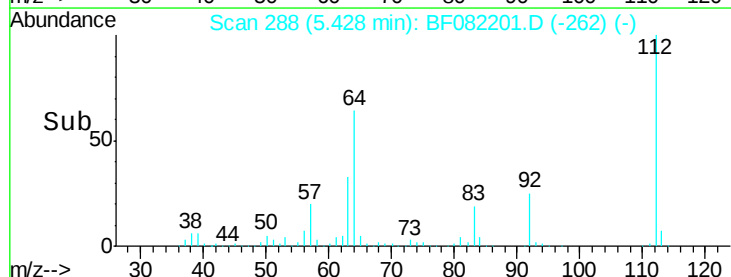
#5

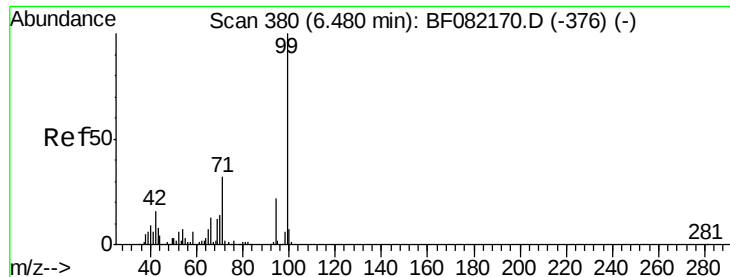
2-Fluorophenol  
 Concen: 58.55 ng  
 RT: 5.43 min Scan# 288  
 Delta R.T. 0.00 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.0  | 48.6  | 73.0  |
| 63      | 33.2  | 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: 38.27 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Instrument :

BNA\_F

ClientSampleId :

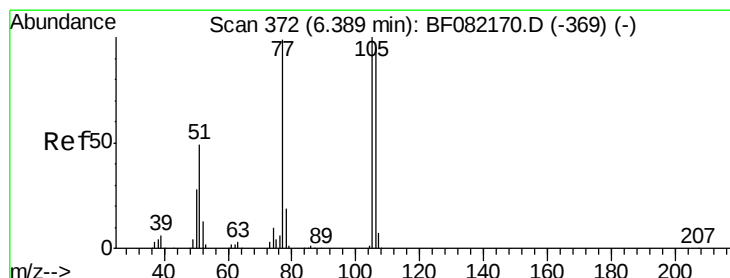
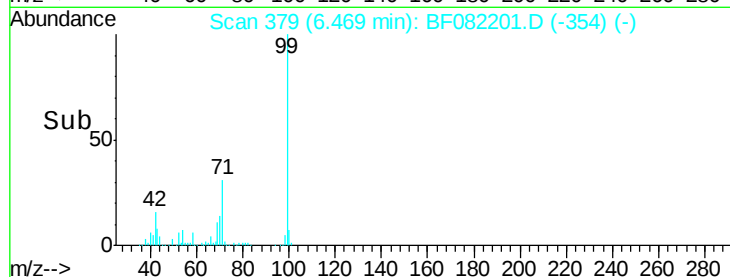
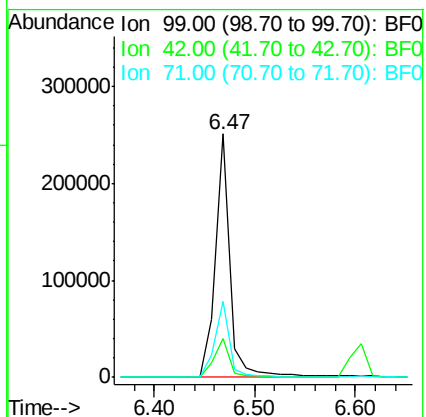
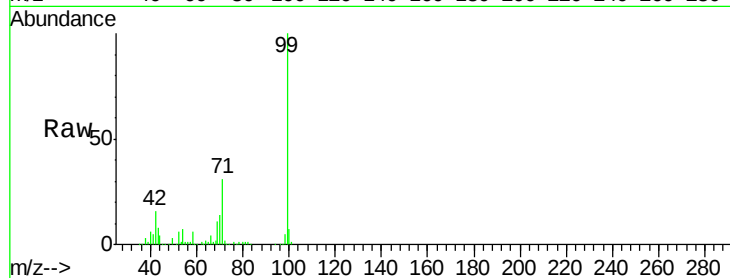
Tot Ion: 99 Resp: 256443

Ion Ratio Lower Upper

99 100

42 15.8 13.2 19.8

71 31.0 25.6 38.4



#9

Benzaldehyde

Concen: 3.96 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.22 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

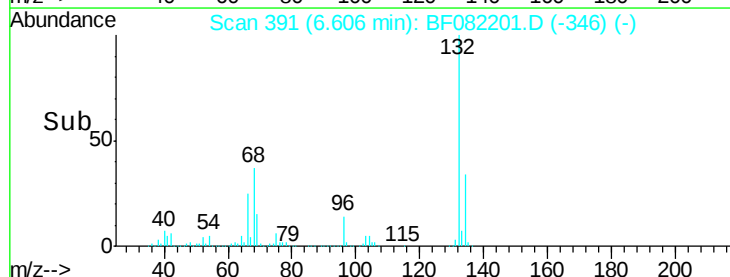
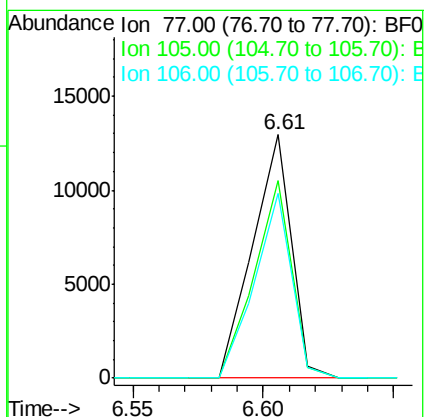
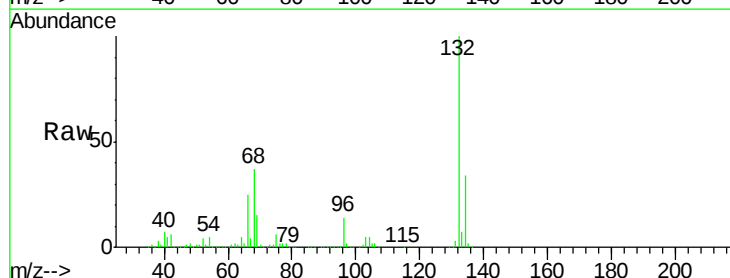
Tgt Ion: 77 Resp: 13563

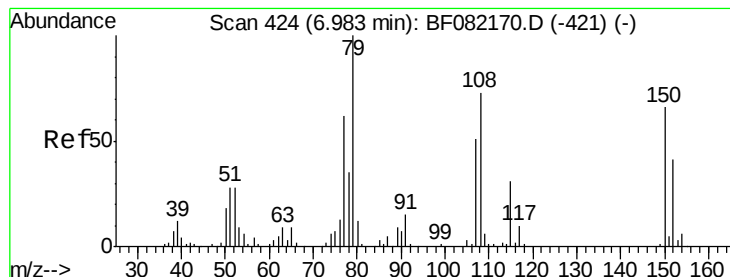
Ion Ratio Lower Upper

77 100

105 81.0 80.6 120.6

106 75.7 75.5 115.5





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 6.99 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Instrument :

BNA\_F

ClientSampleId :

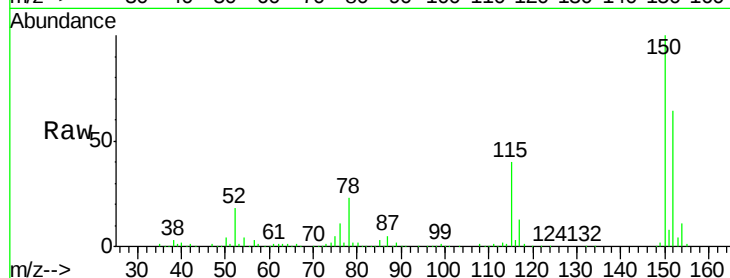
Tot Ion: 79 Resp: 10176

Ion Ratio Lower Upper

79 100

108 34.2 58.4 87.6#

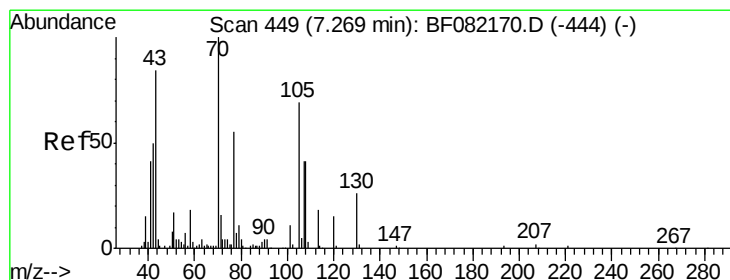
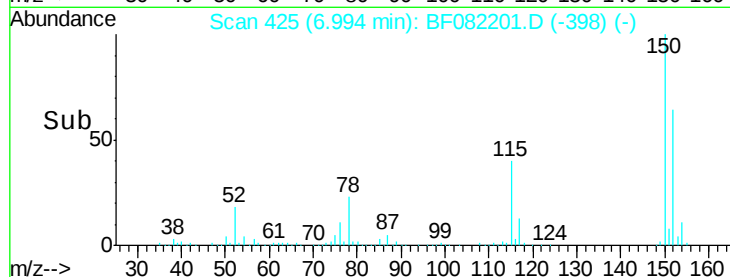
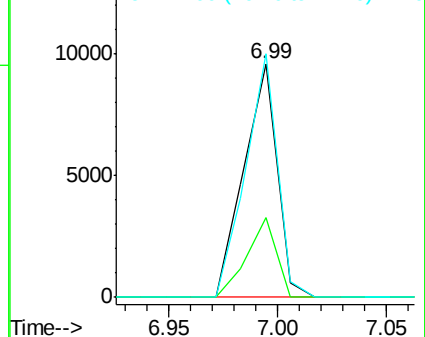
77 104.3 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.31 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Tgt Ion: 70 Resp: 72057

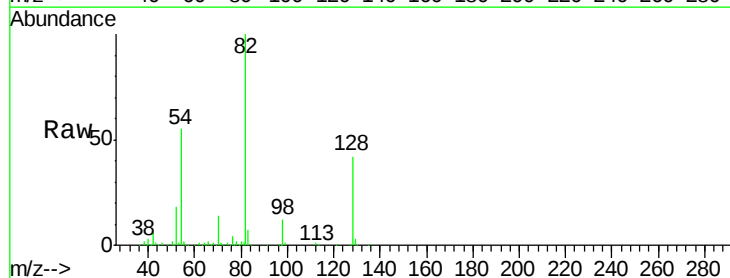
Ion Ratio Lower Upper

70 100

42 46.0 39.8 59.8

101 0.0 8.6 13.0#

130 2.3 20.5 30.7#

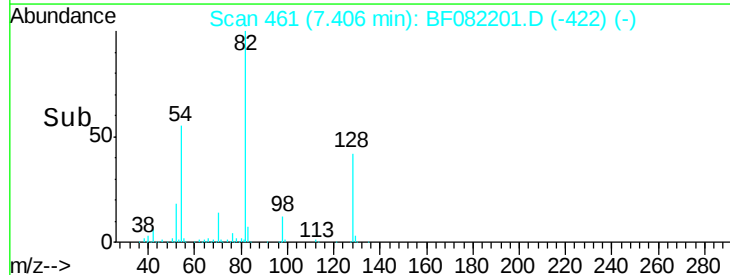
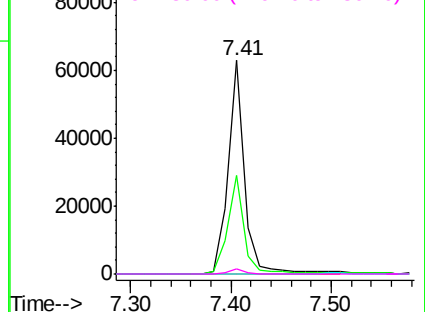


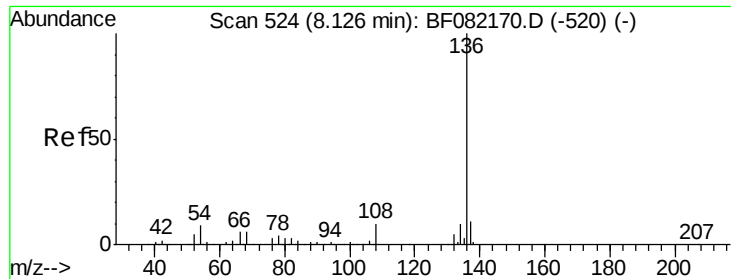
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

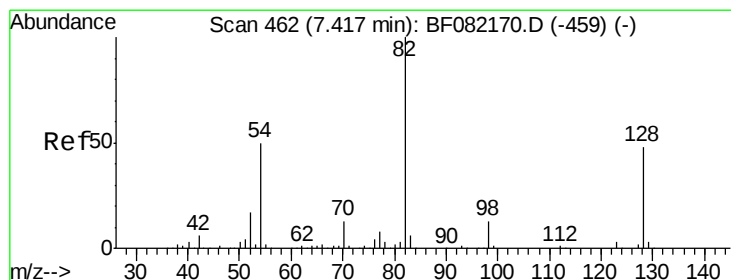
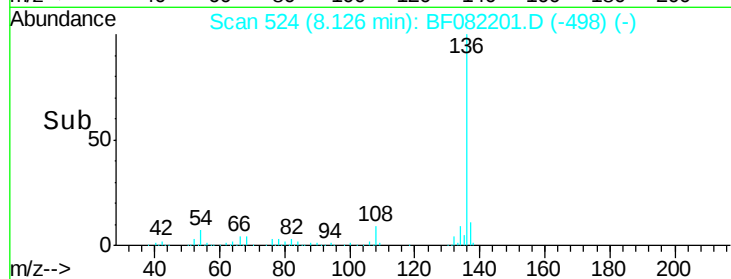
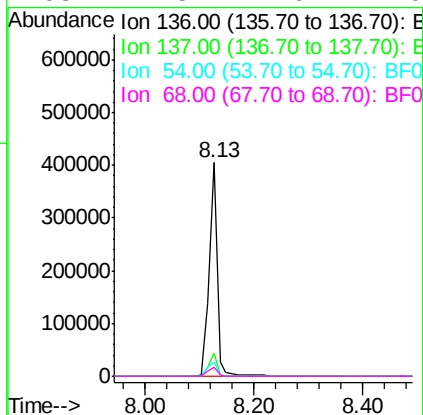
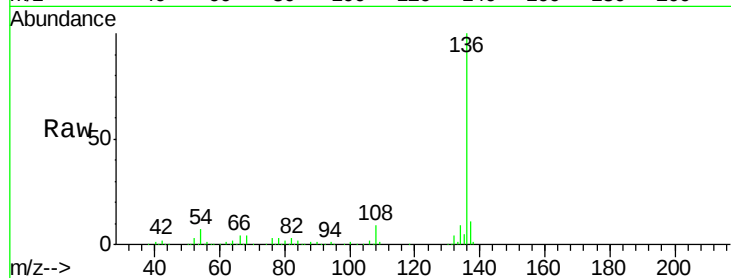




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: BF082201.D  
Acq: 11 Oct 2015 3:41

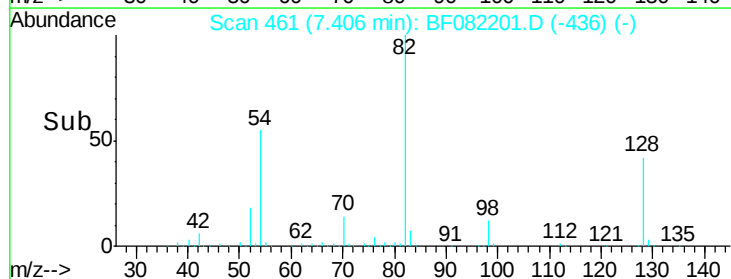
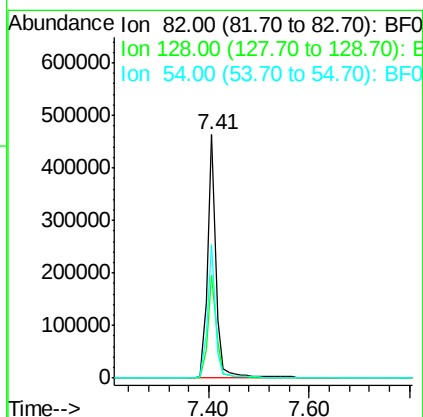
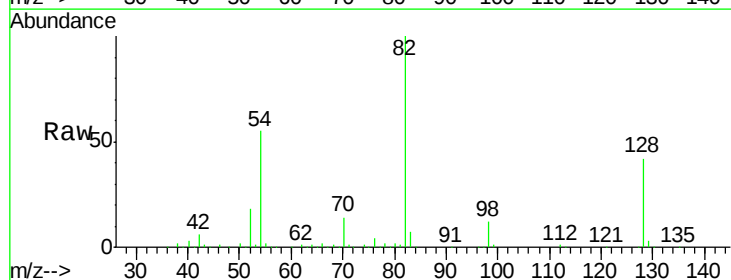
Instrument :  
BNA\_F  
ClientSampleId :

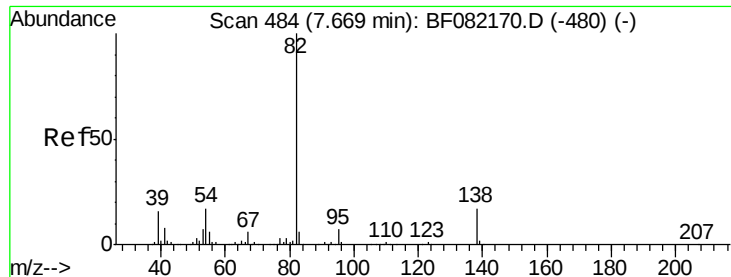
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 417202    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.0  | 9.0 13.6  |
| 54          | 6.7   | 7.5 11.3# |
| 68          | 4.5   | 4.6 7.0#  |



#23  
Nitrobenzene-d5  
Concen: 89.29 ng  
RT: 7.41 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF082201.D  
Acq: 11 Oct 2015 3:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 554736    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.2  | 38.7 58.1 |
| 54          | 54.7  | 40.1 60.1 |

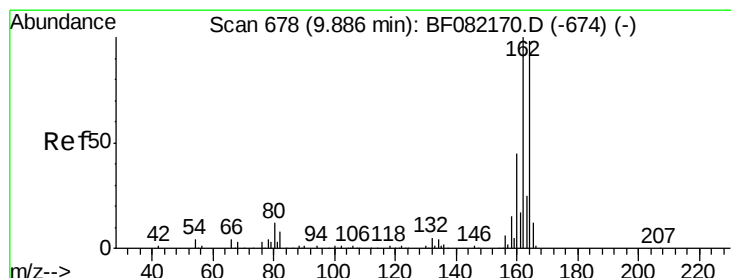
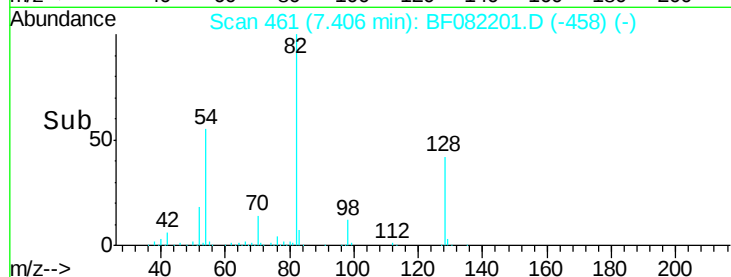
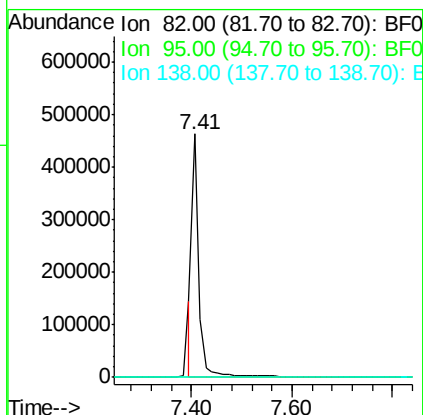
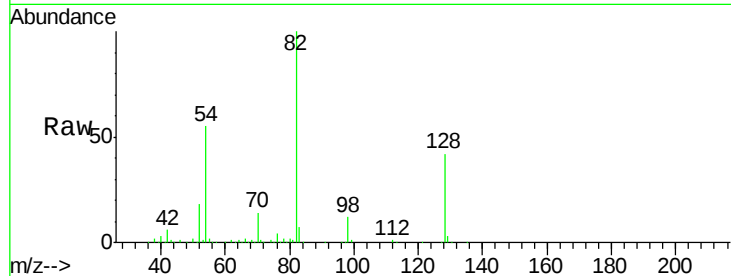




#25  
Isophorone  
Concen: 34.84 ng  
RT: 7.41 min Scan# 461  
Delta R.T. -0.26 min  
Lab File: BF082201.D  
Acq: 11 Oct 2015 3:41

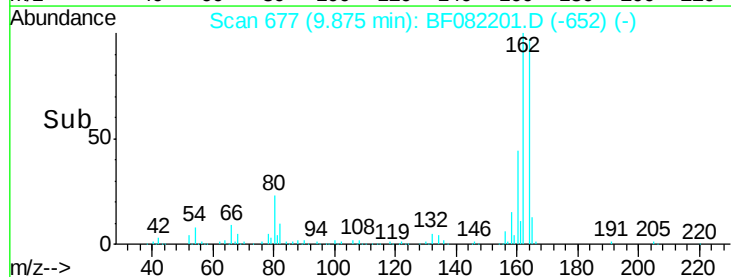
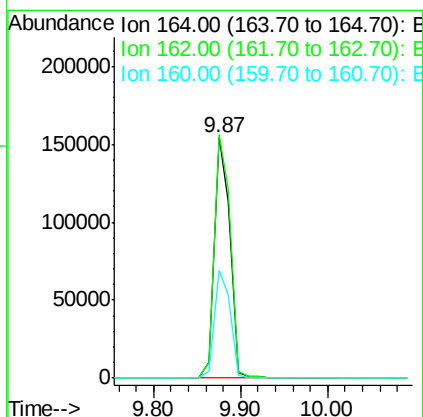
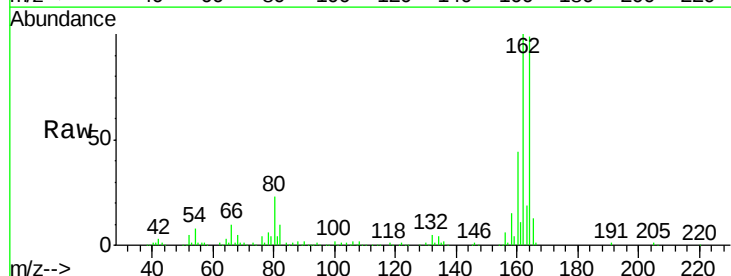
Instrument :  
BNA\_F  
ClientSampleId :

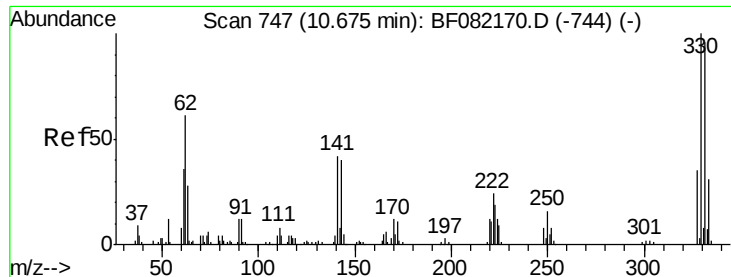
Tot Ion: 82 Resp: 436893  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 13.6 20.4#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.87 min Scan# 677  
Delta R.T. -0.01 min  
Lab File: BF082201.D  
Acq: 11 Oct 2015 3:41

Tgt Ion:164 Resp: 195921  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.6 122.4  
160 44.6 36.4 54.6

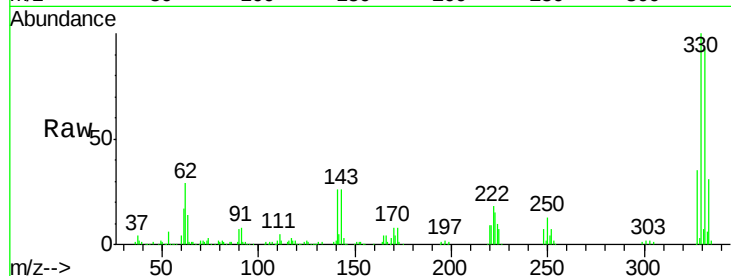




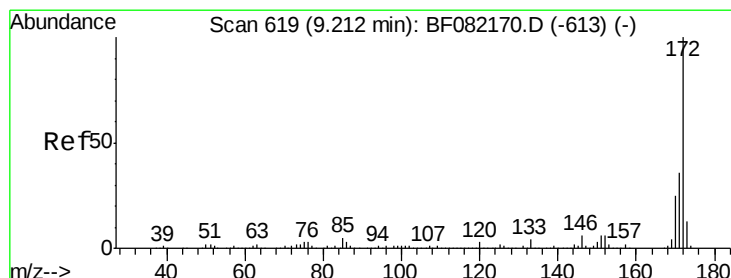
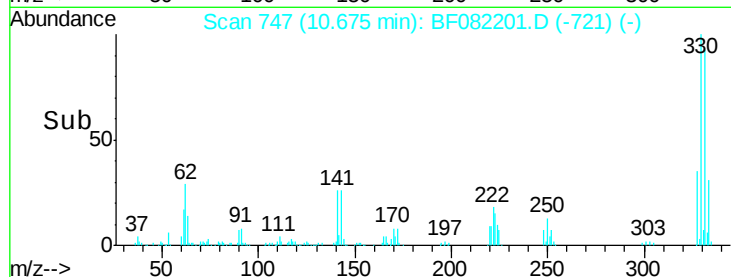
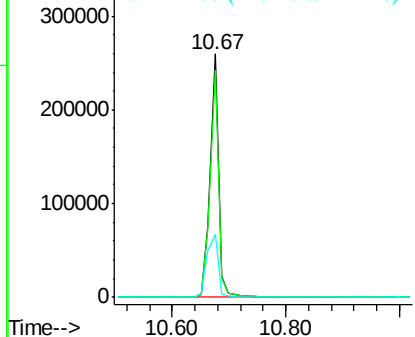
#41  
 2,4,6-Tribromophenol  
 Concen: 140.96 ng  
 RT: 10.67 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 258992  
 Ion Ratio Lower Upper  
 330 100  
 332 94.4 77.1 115.7  
 141 34.5 29.8 44.8

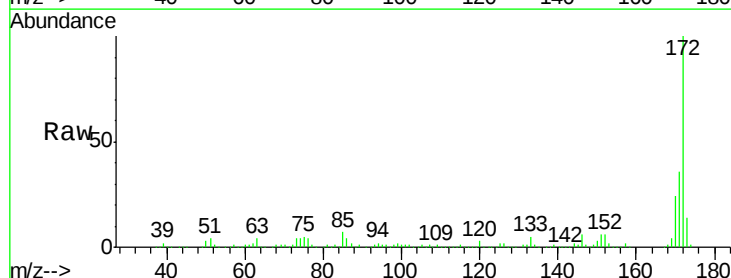


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

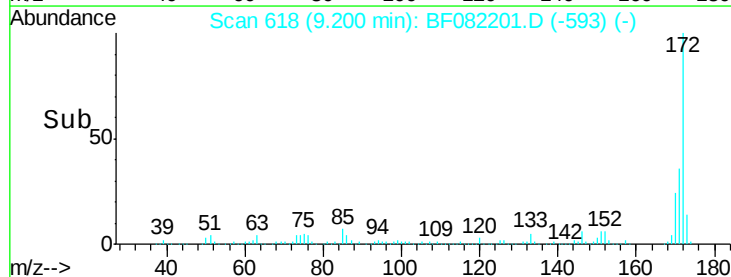
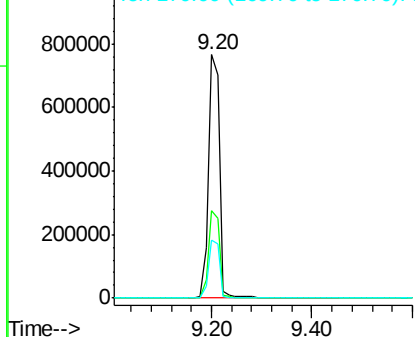


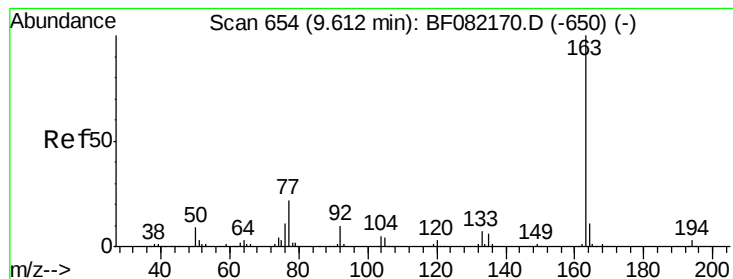
#44  
 2-Fluorobiphenyl  
 Concen: 99.27 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

Tgt Ion:172 Resp: 1172795  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.6 42.8  
 170 24.0 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: 12.95 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Instrument :

BNA\_F

ClientSampleId :

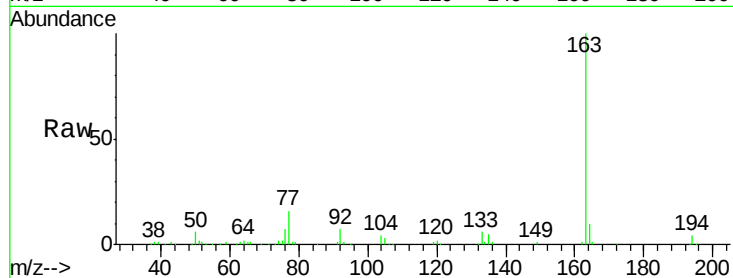
Tot Ion:163 Resp: 178608

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

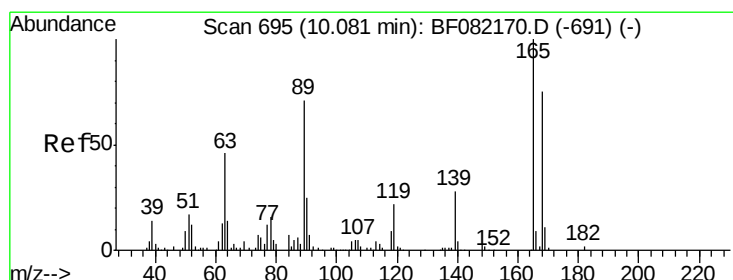
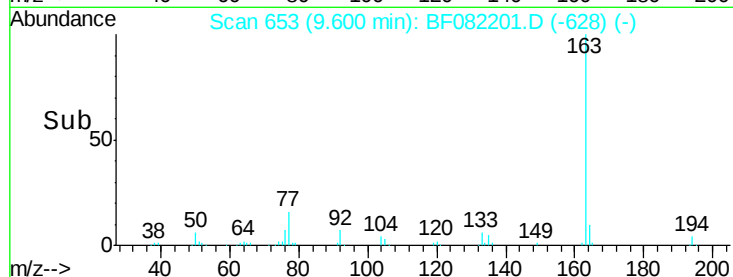
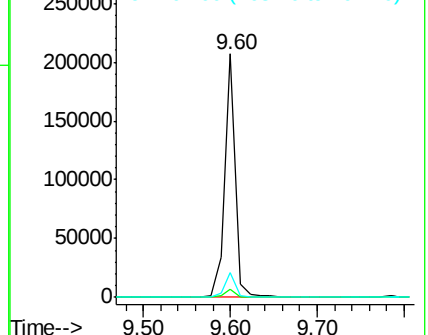
164 10.0 8.5 12.7



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: 6.65 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.21 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Tgt Ion:165 Resp: 24204

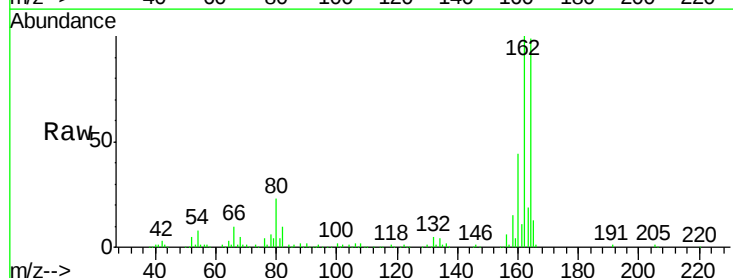
Ion Ratio Lower Upper

165 100

63 1.8 38.6 58.0#

89 1.7 57.0 85.6#

182 0.0 1.8 2.6#

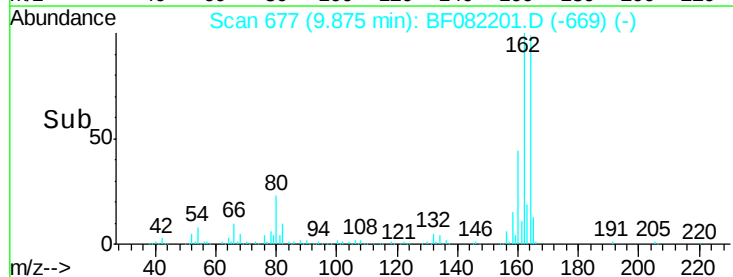
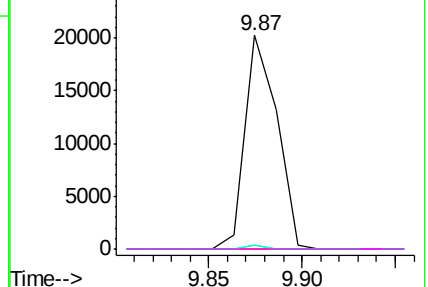


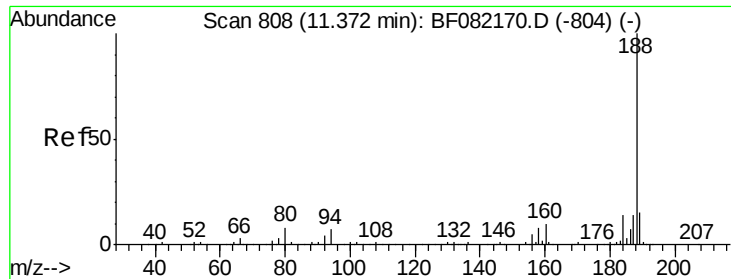
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF082201.D

Acq: 11 Oct 2015 3:41

Instrument :

BNA\_F

ClientSampleId :

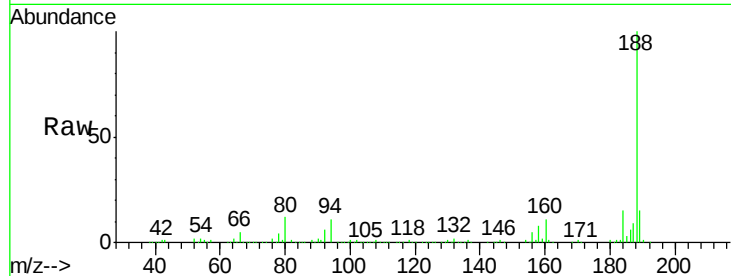
Tot Ion:188 Resp: 345133

Ion Ratio Lower Upper

188 100

94 11.0 5.8 8.6#

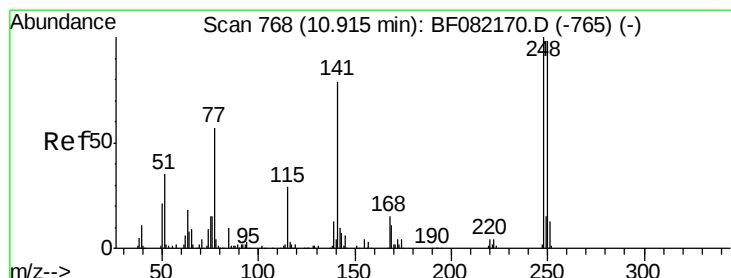
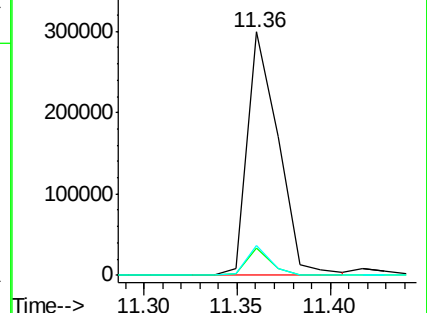
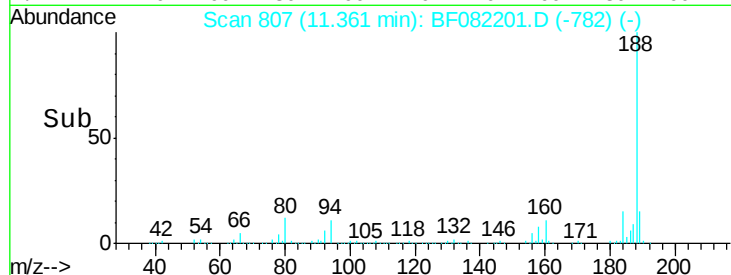
80 12.5 6.4 9.6#



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: 5.27 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

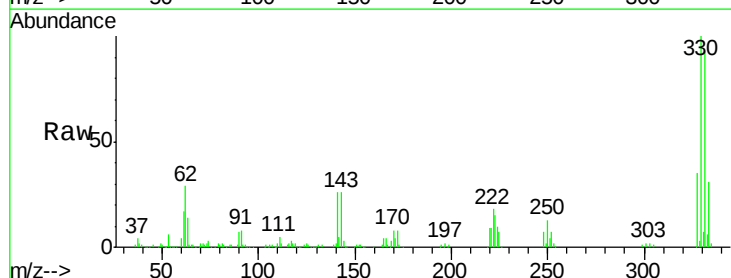
Tgt Ion:248 Resp: 18211

Ion Ratio Lower Upper

248 100

250 200.5 78.6 117.8#

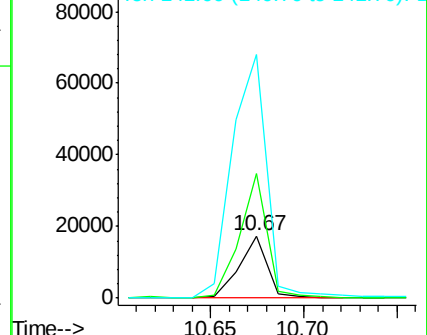
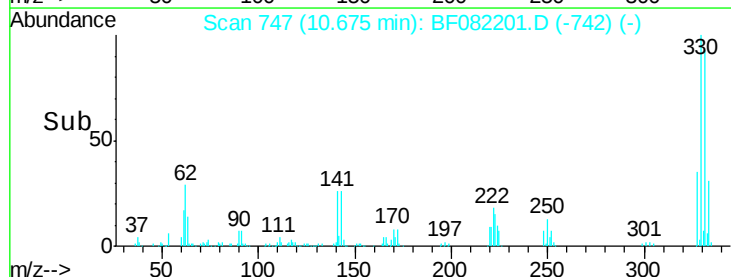
141 391.0 63.3 94.9#

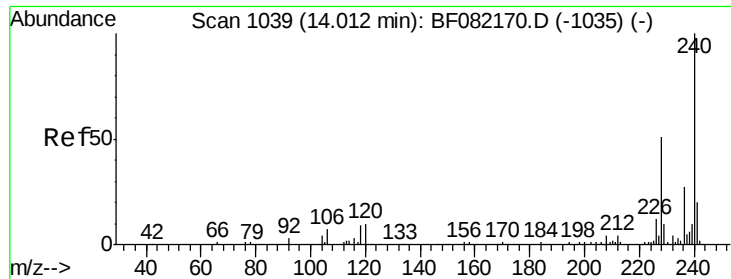


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

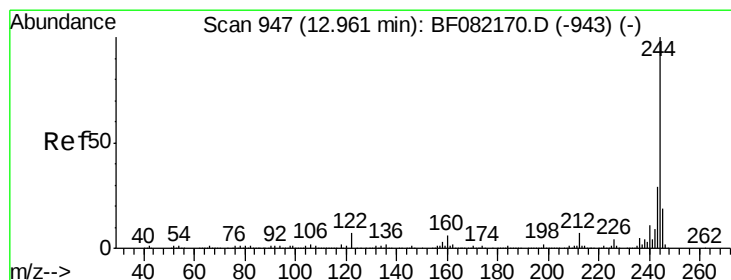
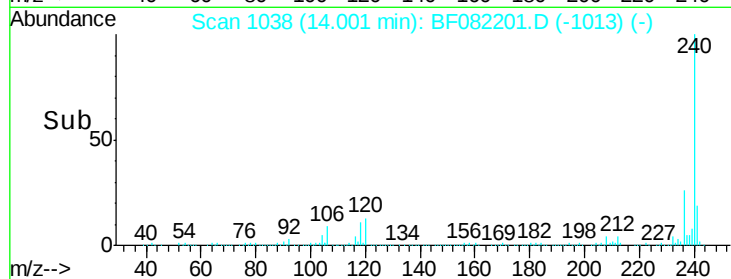
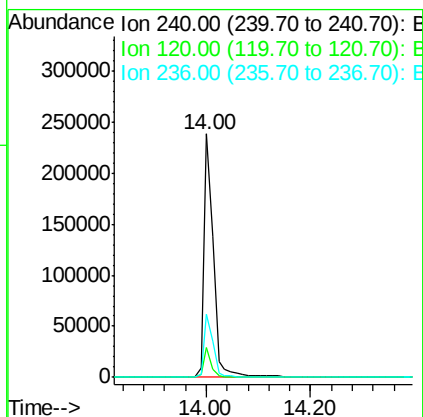
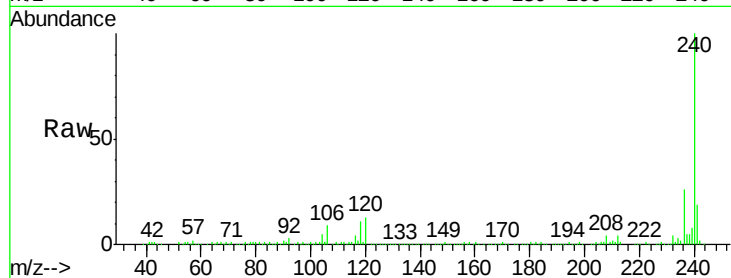




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.00 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

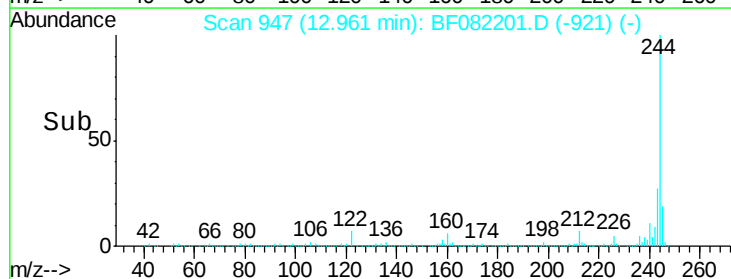
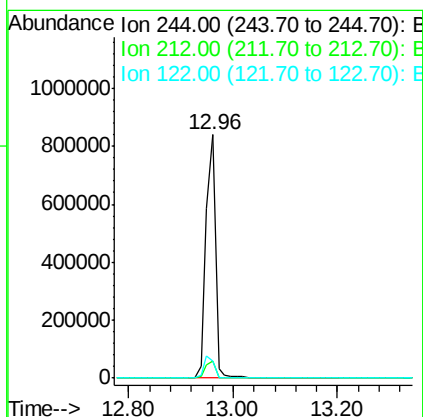
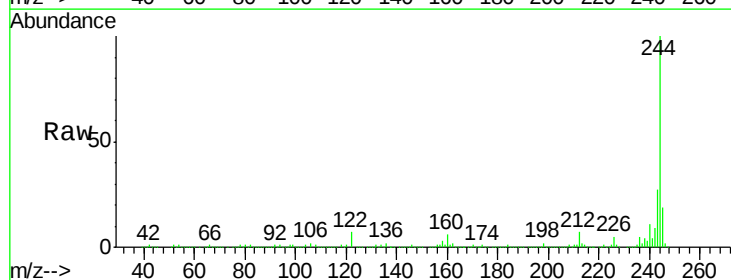
Instrument :  
 BNA\_F  
 ClientSampleId :

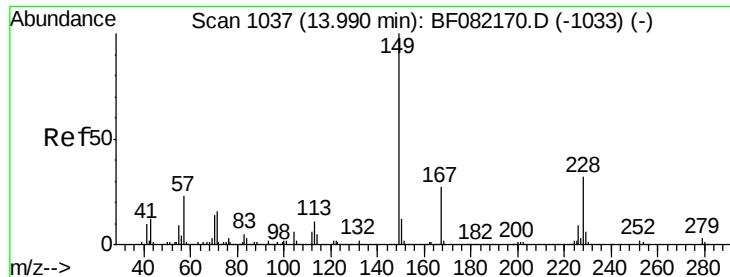
Tot Ion:240 Resp: 298806  
 Ion Ratio Lower Upper  
 240 100  
 120 12.5 8.1 12.1#  
 236 25.8 21.3 31.9



#78  
 Terphenyl-d14  
 Concen: 94.34 ng  
 RT: 12.96 min Scan# 947  
 Delta R.T. 0.00 min  
 Lab File: BF082201.D  
 Acq: 11 Oct 2015 3:41

Tgt Ion:244 Resp: 1063745  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.6  
 122 7.0 5.9 8.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.89 ng

RT: 13.99 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

Instrument :

BNA\_F

ClientSampleId :

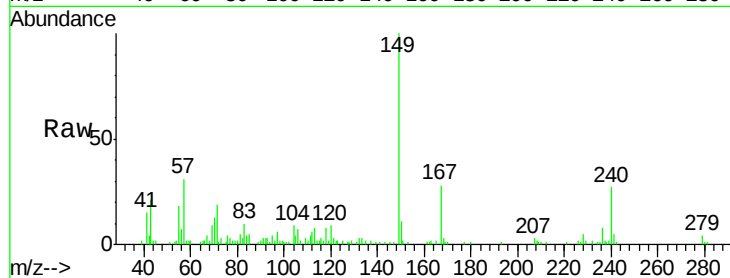
Tot Ion:149 Resp: 44857

Ion Ratio Lower Upper

149 100

167 28.3 21.3 31.9

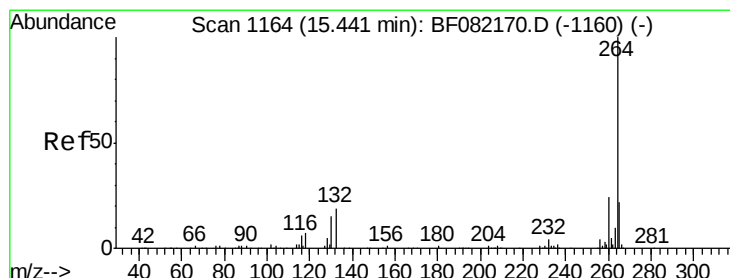
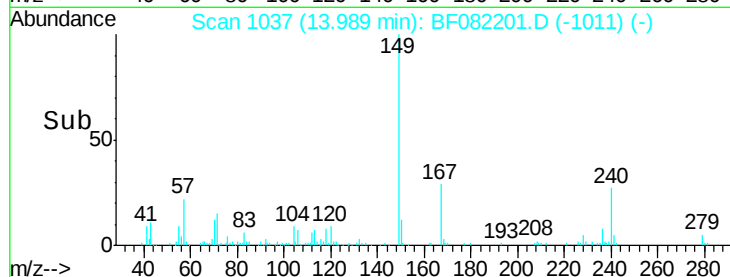
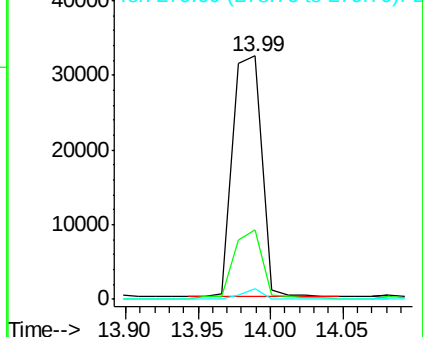
279 4.5 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF082201.D

Acq: 11 Oct 2015 3:41

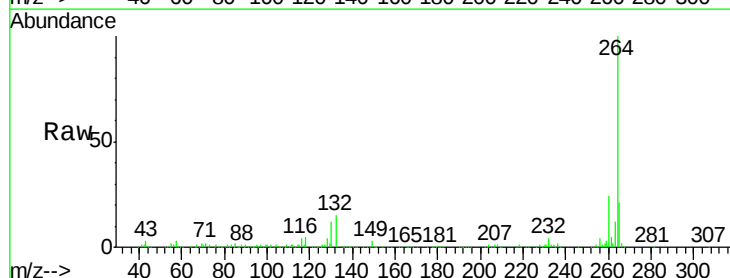
Tgt Ion:264 Resp: 232327

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 20.9 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

