

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080615\  
 Data File : BF080901.D  
 Acq On : 6 Aug 2015 21:34  
 Operator : TP/UM  
 Sample : G3196-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 07 04:02:22 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 07 03:17:12 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 59743    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 216227   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.85  | 164  | 113675   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 234595   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.95 | 240  | 219518   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.36 | 264  | 198062   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.39  | 112  | 161152   | 43.00 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 168924   | 32.74 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 241365   | 52.59 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 109023   | 89.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 539030   | 67.59 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.91 | 244  | 572390   | 54.97 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.57  | 93   | 337      | 0.04  | ng    | # 1    |
| 9) Benzaldehyde                | 6.57  | 77   | 5920     | 1.67  | ng    | # 81   |
| 10) Phenol                     | 6.44  | 94   | 1068     | 0.17  | ng    | # 90   |
| 11) bis(2-Chloroethyl)ether    | 6.57  | 93   | 337      | 0.08  | ng    | # 1    |
| 15) Benzyl Alcohol             | 6.96  | 79   | 4149     | 1.01  | ng    | # 52   |
| 18) Hexachloroethane           | 7.38  | 117  | 268      | 0.15  | ng    | # 7    |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 31410    | 8.55  | ng    | # 78   |
| 22) Acetophenone               | 7.21  | 105  | 875      | 0.16  | ng    | # 76   |
| 24) Nitrobenzene               | 7.37  | 77   | 486      | 0.10  | ng    | # 47   |
| 25) Isophorone                 | 7.37  | 82   | 218197   | 24.80 | ng    | # 67   |
| 31) Naphthalene                | 8.21  | 128  | 208      | 0.02  | ng    | # 1    |
| 37) 2-Methylnaphthalene        | 8.90  | 142  | 372      | 0.05  | ng    | # 78   |
| 45) 1,1'-Biphenyl              | 9.17  | 154  | 976      | 0.10  | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.56  | 65   | 611      | 0.20  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.56  | 163  | 63171    | 7.00  | ng    | # 99   |
| 50) 2,6-Dinitrotoluene         | 9.56  | 165  | 587      | 0.30  | ng    | # 7    |
| 51) Acenaphthene               | 9.85  | 154  | 294      | 0.04  | ng    | # 4    |
| 54) Dibenzofuran               | 9.82  | 168  | 241      | 0.02  | ng    | # 43   |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 14025    | 5.39  | ng    | # 8    |
| 57) Fluorene                   | 10.38 | 166  | 267      | 0.03  | ng    | # 86   |
| 59) Diethylphthalate           | 10.26 | 149  | 2860     | 0.29  | ng    | # 62   |
| 62) Azobenzene                 | 10.62 | 77   | 560      | 0.05  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.62 | 169  | 3992     | 0.48  | ng    | # 41   |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 6927     | 2.72  | ng    | # 1    |
| 70) Phenanthrene               | 11.34 | 178  | 1245     | 0.09  | ng    | # 74   |
| 71) Anthracene                 | 11.34 | 178  | 1245     | 0.09  | ng    | # 75   |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 3424     | 0.21  | ng    | # 93   |
| 77) Pyrene                     | 12.91 | 202  | 1933     | 0.12  | ng    | # 66   |
| 80) Benzo(a)anthracene         | 13.95 | 228  | 434      | 0.03  | ng    | # 52   |
| 82) Chrysene                   | 13.95 | 228  | 434      | 0.03  | ng    | # 49   |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 2437     | 0.23  | ng    | # 77   |
| 89) Benzo(a)pyrene             | 15.36 | 252  | 455      | 0.04  | ng    | # 60   |

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Operator : TP/UM  
Sample : G3196-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

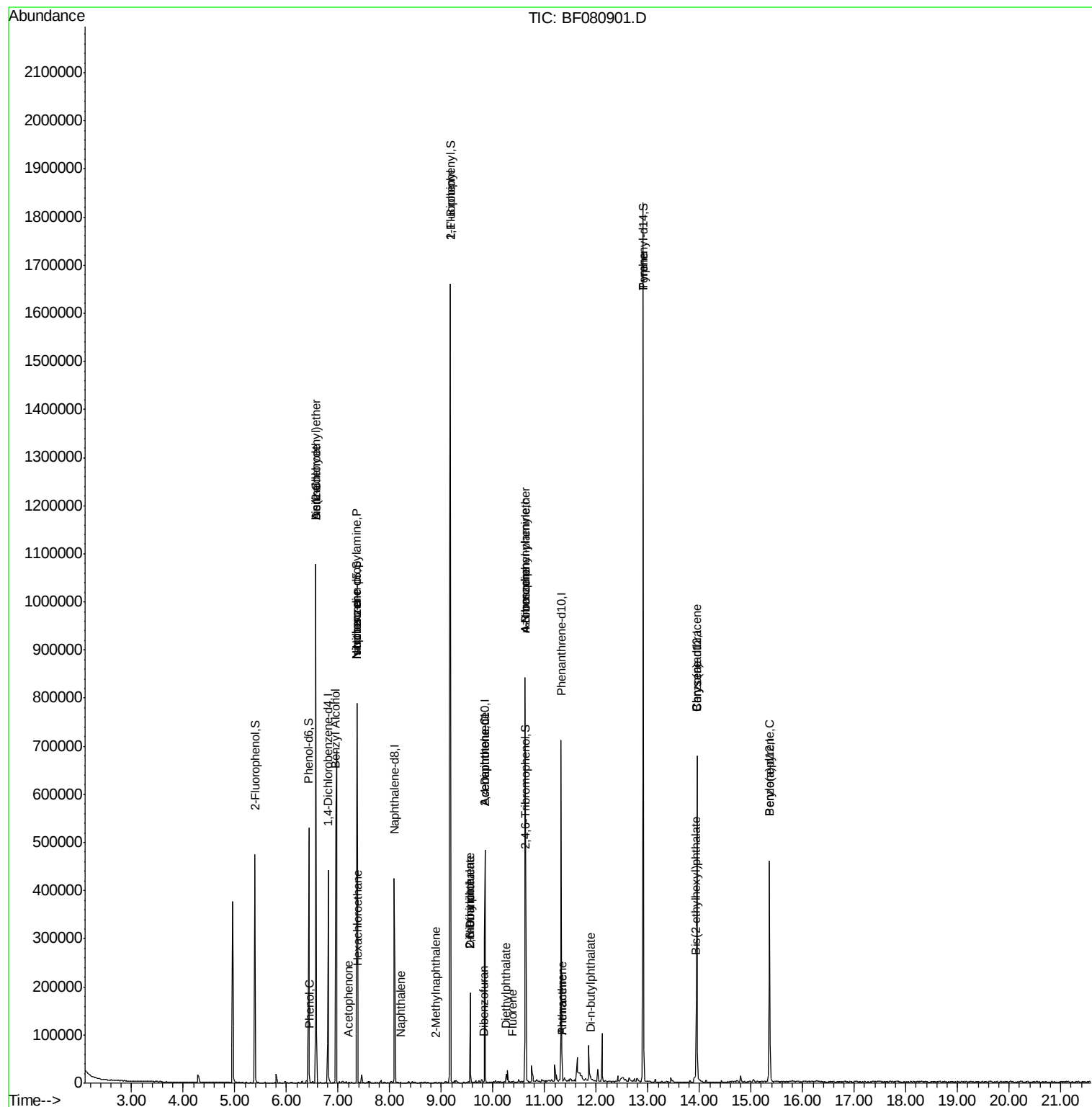
Quant Time: Aug 07 04:02:22 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 07 03:17:12 2015  
Response via : Initial Calibration

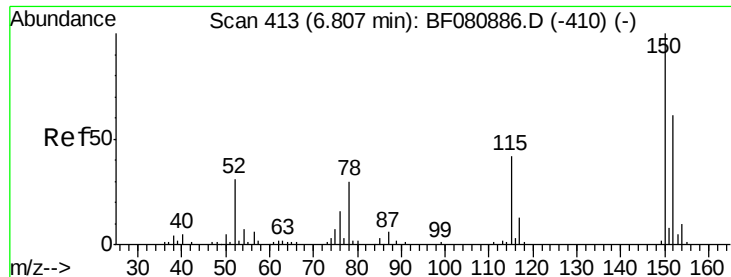
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.00 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

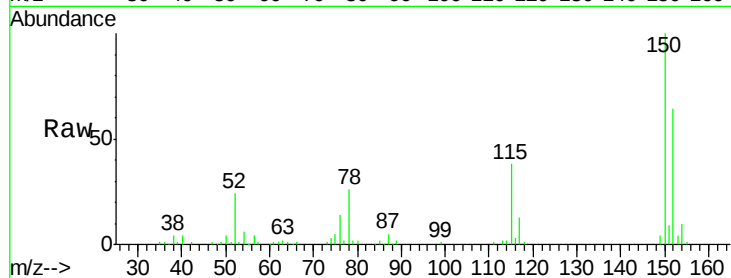
Tot Ion:152 Resp: 59743

Ion Ratio Lower Upper

152 100

150 156.4 132.2 198.2

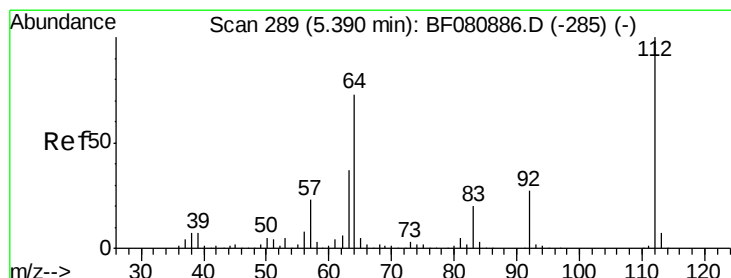
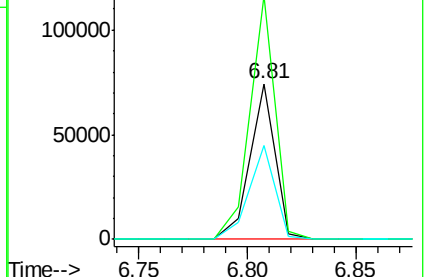
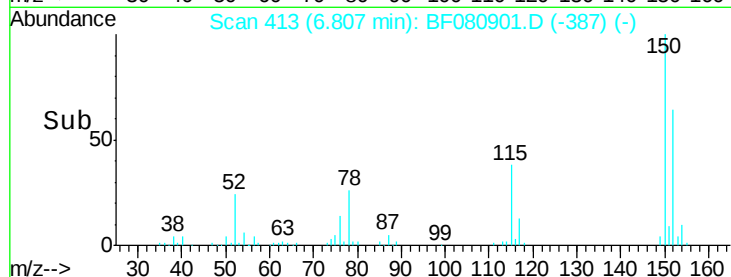
115 60.0 54.9 82.3



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: 43.00 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.00 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

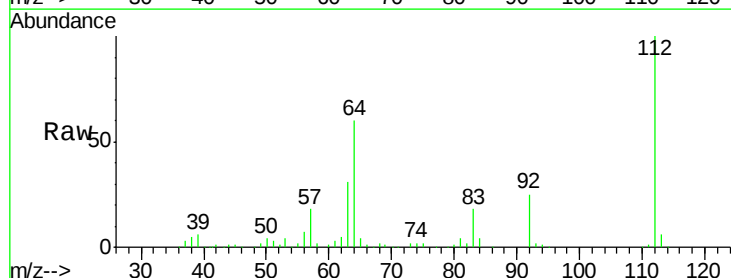
Tgt Ion:112 Resp: 161152

Ion Ratio Lower Upper

112 100

64 60.0 58.0 87.0

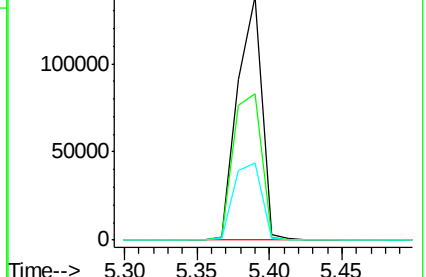
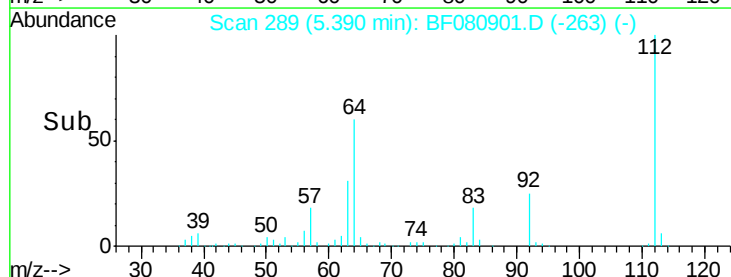
63 31.5 29.8 44.8

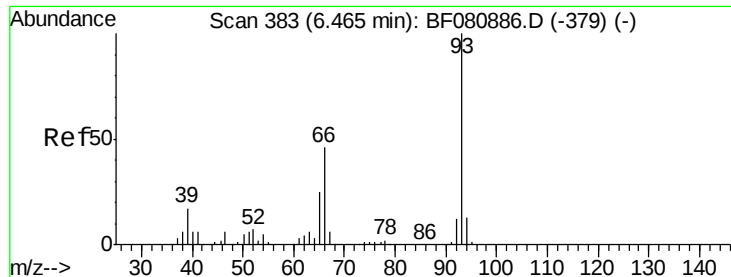


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.04 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.10 min

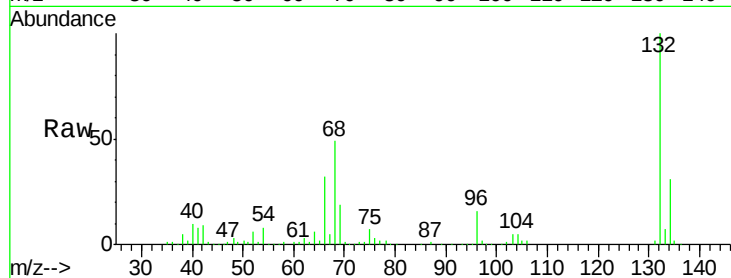
Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampled :



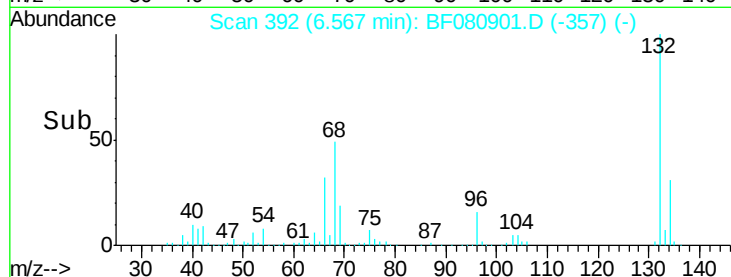
Tot Ion: 93 Resp: 337

Ion Ratio Lower Upper

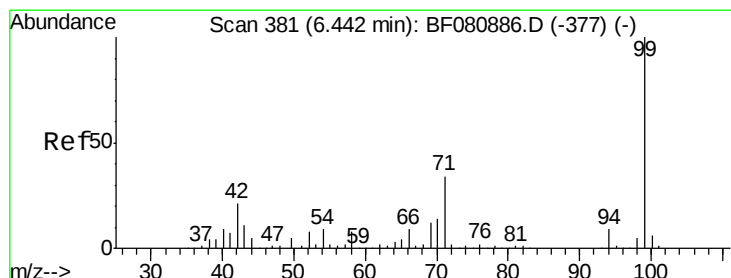
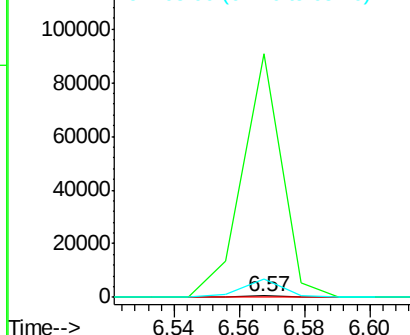
93 100

66 18453.7 37.4 56.0#

65 1438.4 19.8 29.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 32.74 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

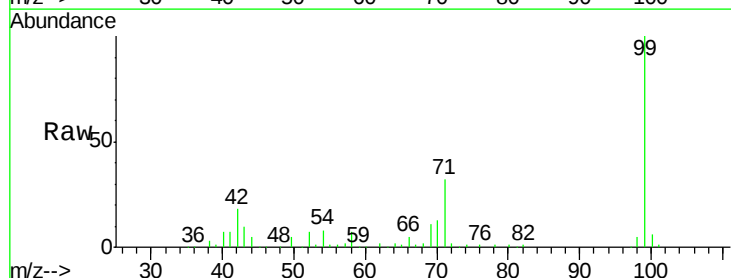
Tgt Ion: 99 Resp: 168924

Ion Ratio Lower Upper

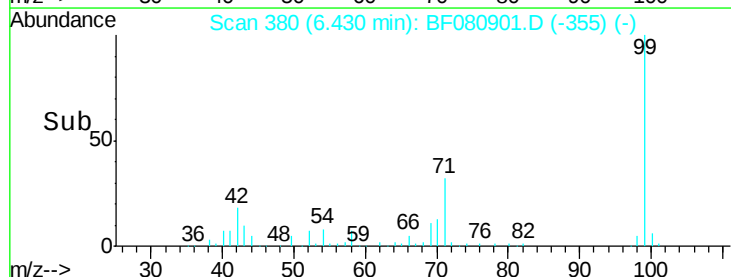
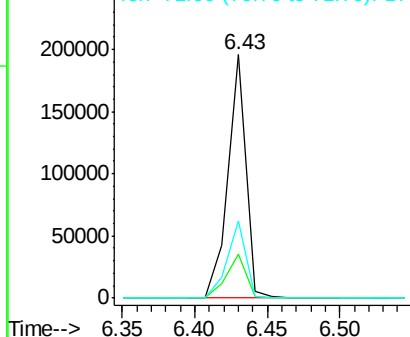
99 100

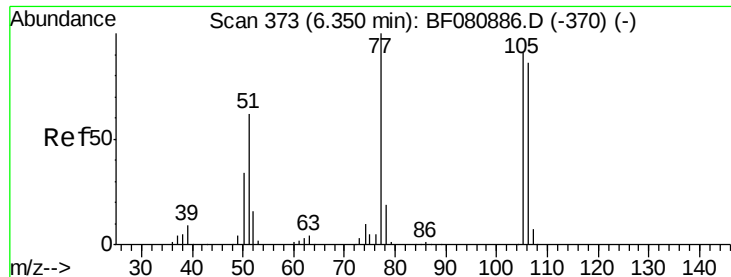
42 18.0 16.8 25.2

71 31.6 27.4 41.0



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: 1.67 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.22 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampled :

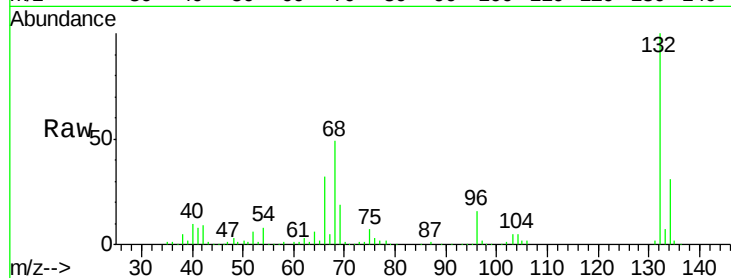
Tot Ion: 77 Resp: 5920

Ion Ratio Lower Upper

77 100

105 76.0 70.7 110.7

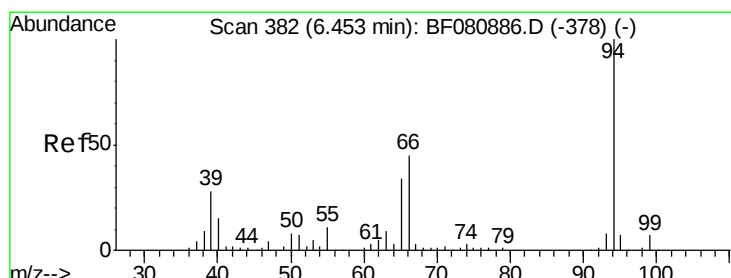
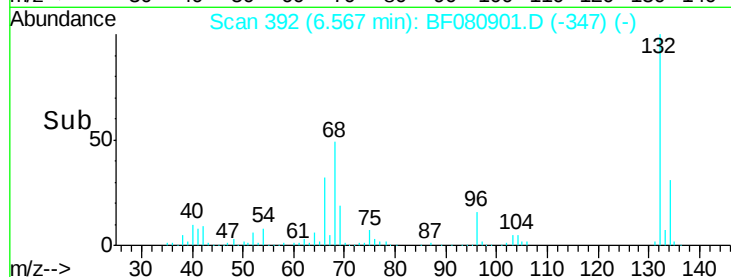
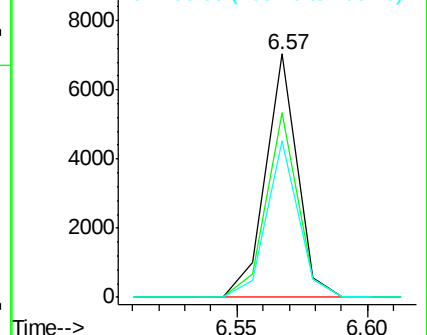
106 64.5 66.1 106.1#



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



#10

Phenol

Concen: 0.17 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

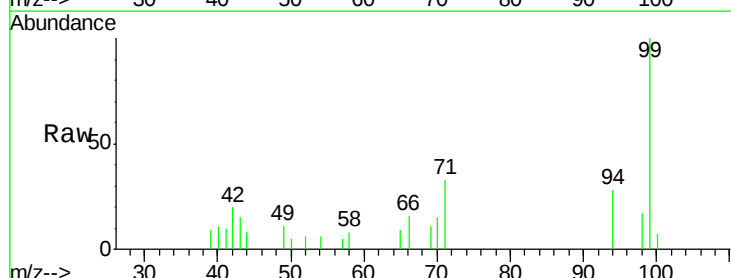
Tgt Ion: 94 Resp: 1068

Ion Ratio Lower Upper

94 100

65 34.3 14.0 54.0

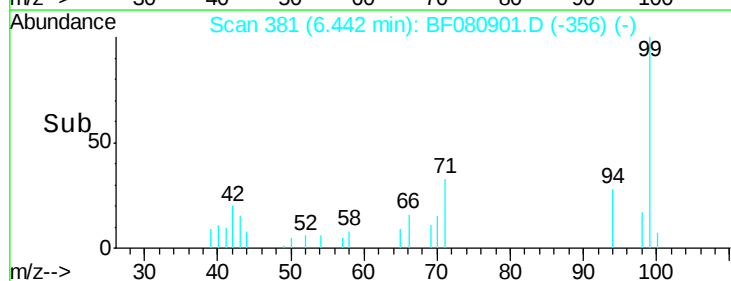
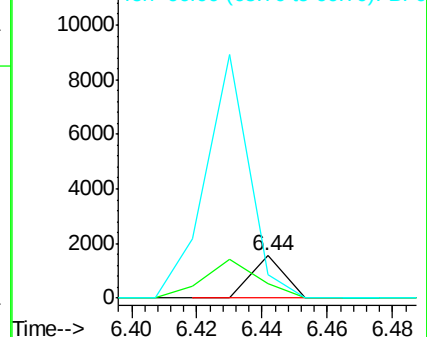
66 56.3 24.6 64.6

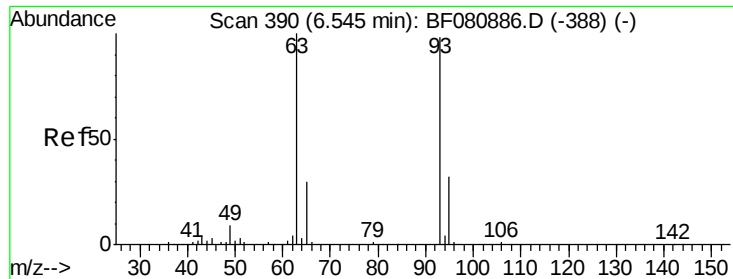


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

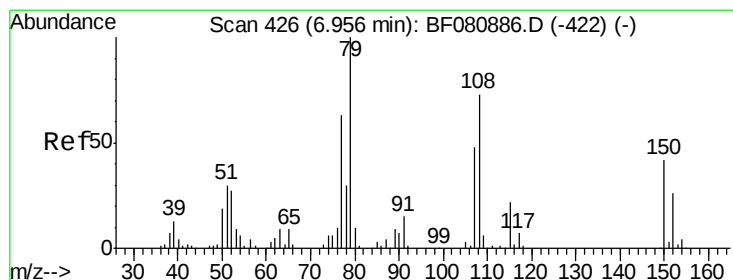
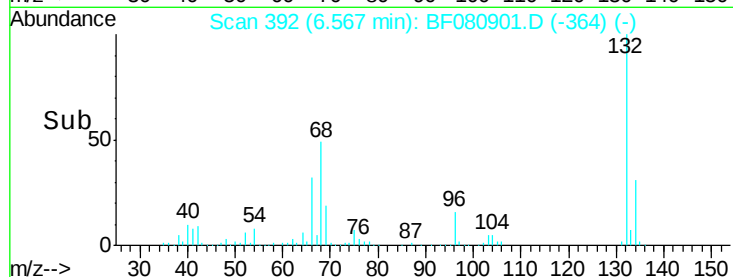
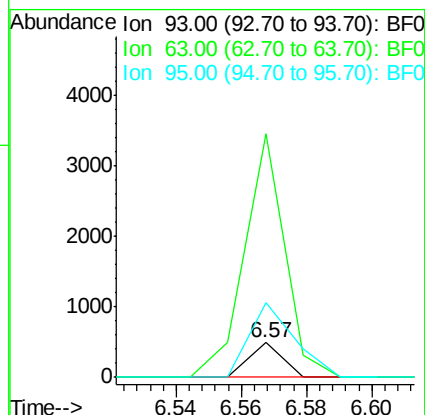
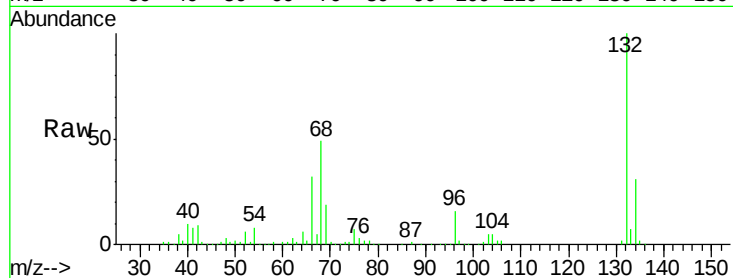




#11  
bis(2-Chloroethyl)ether  
Concen: 0.08 ng  
RT: 6.57 min Scan# 392  
Delta R.T. 0.02 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

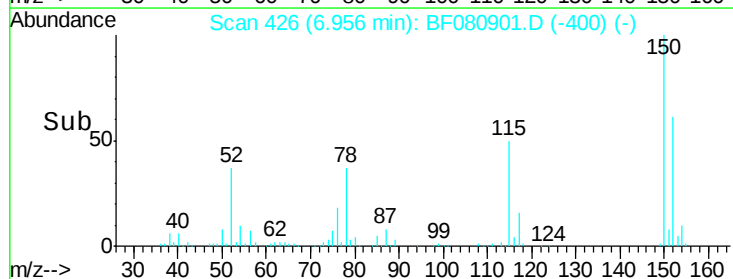
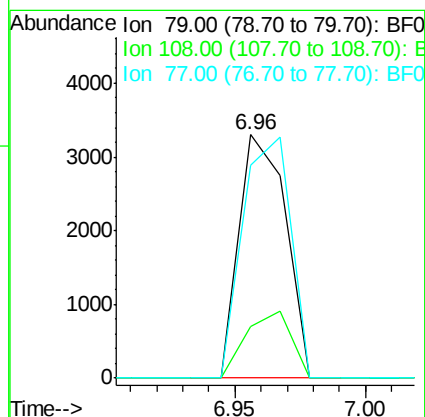
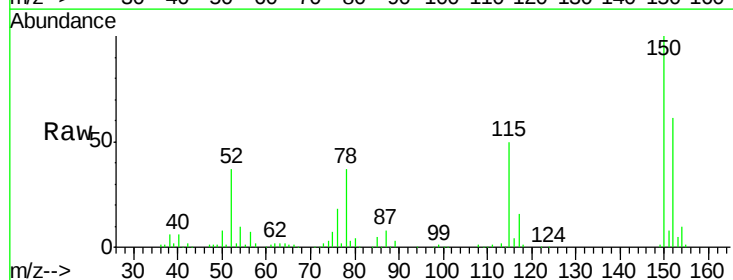
Instrument :  
BNA\_F  
ClientSampled :

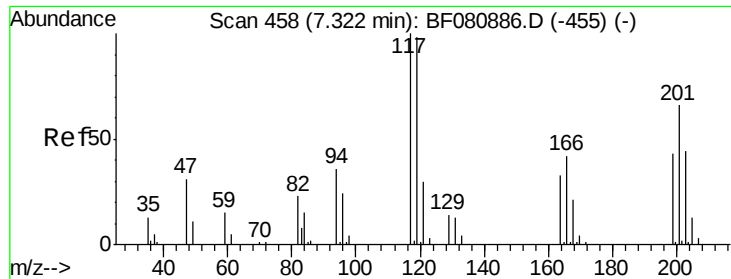
Tot Ion: 93 Resp: 337  
Ion Ratio Lower Upper  
93 100  
63 701.8 81.4 121.4#  
95 214.0 12.1 52.1#



#15  
Benzyl Alcohol  
Concen: 1.01 ng  
RT: 6.96 min Scan# 426  
Delta R.T. -0.00 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Tgt Ion: 79 Resp: 4149  
Ion Ratio Lower Upper  
79 100  
108 21.3 58.2 87.2#  
77 87.6 50.0 75.0#

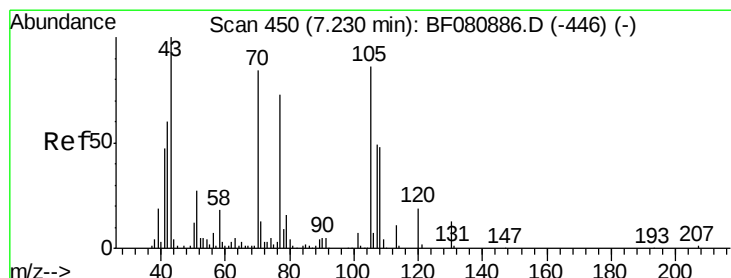
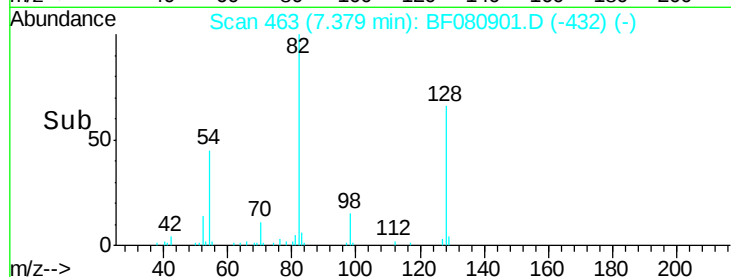
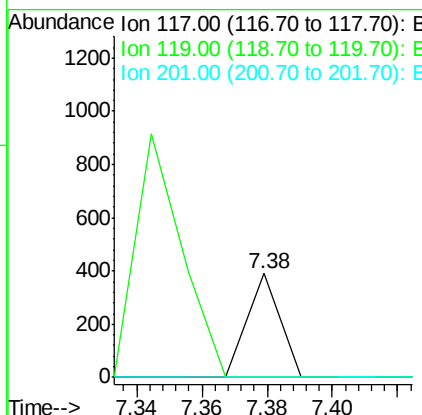
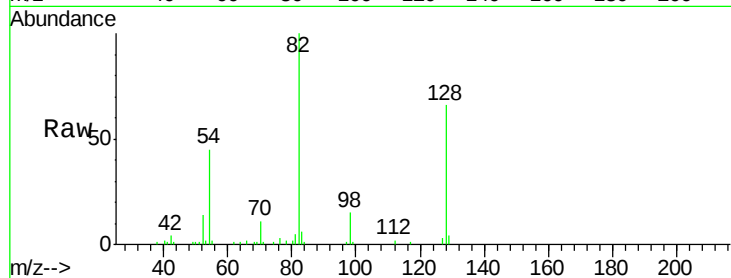




#18  
Hexachloroethane  
Concen: 0.15 ng  
RT: 7.38 min Scan# 463  
Delta R.T. 0.06 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

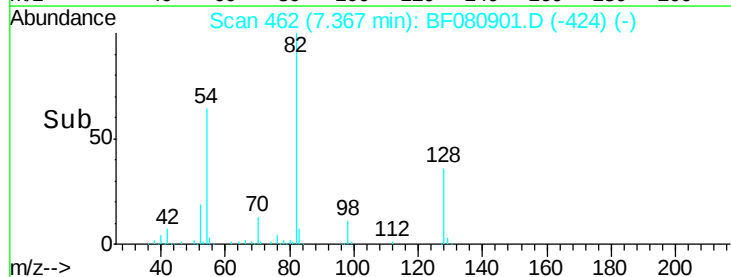
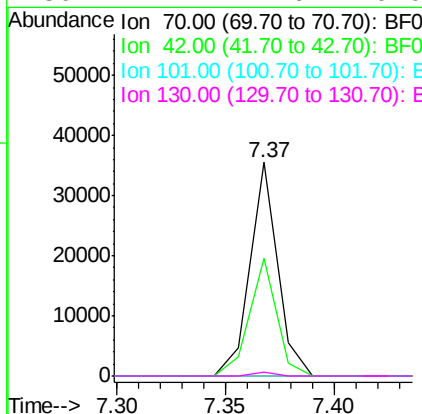
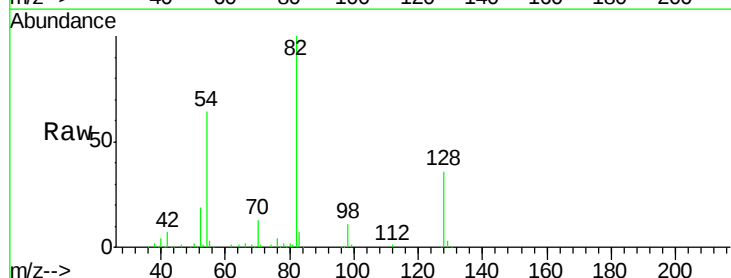
Instrument :  
BNA\_F  
ClientSampleId :

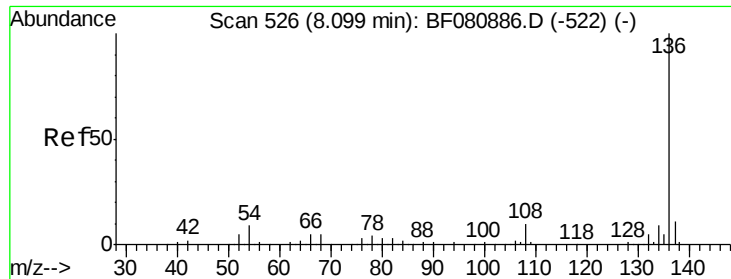
Tot Ion:117 Resp: 268  
Ion Ratio Lower Upper  
117 100  
119 0.0 78.4 117.6#  
201 0.0 53.1 79.7#



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.55 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.14 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Tgt Ion: 70 Resp: 31410  
Ion Ratio Lower Upper  
70 100  
42 55.2 57.2 85.8#  
101 0.0 6.6 9.8#  
130 1.7 12.6 19.0#

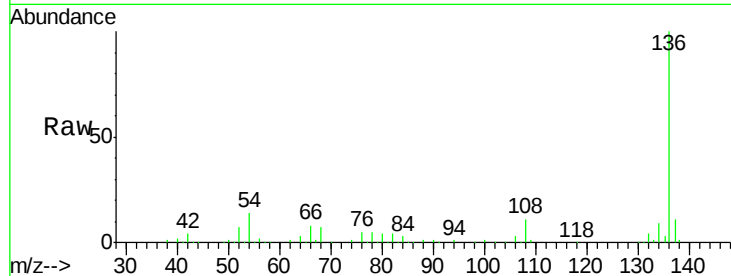




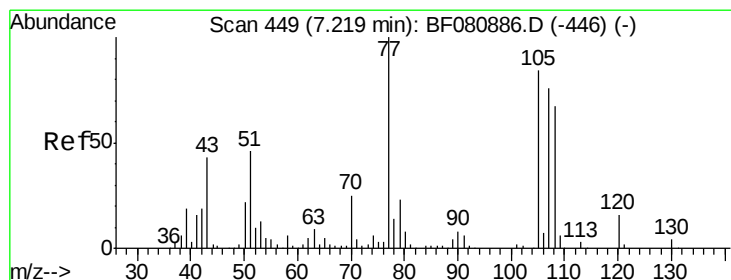
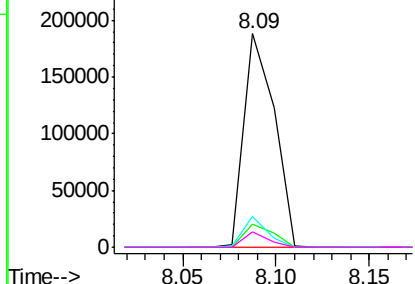
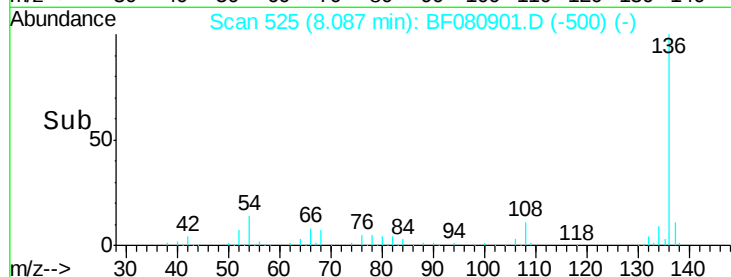
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 216227    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.1  | 8.6 12.8  |
| 54          | 14.2  | 7.5 11.3# |
| 68          | 7.3   | 4.2 6.2#  |

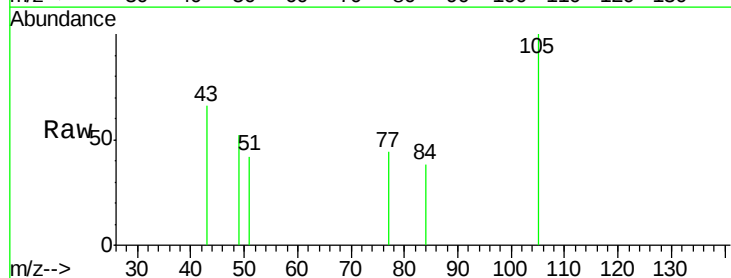


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

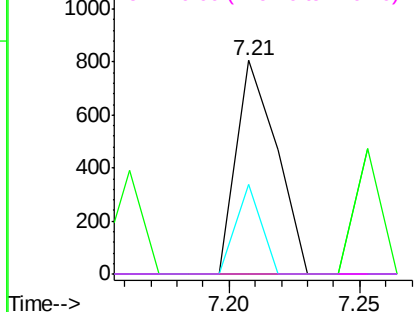
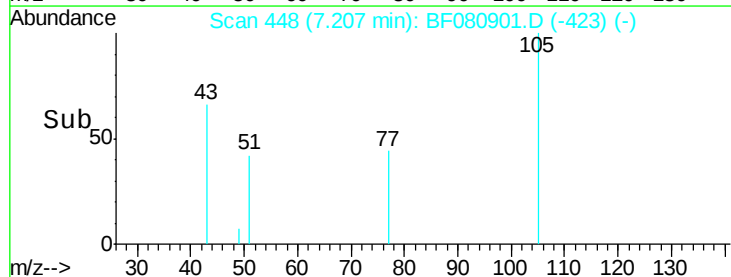


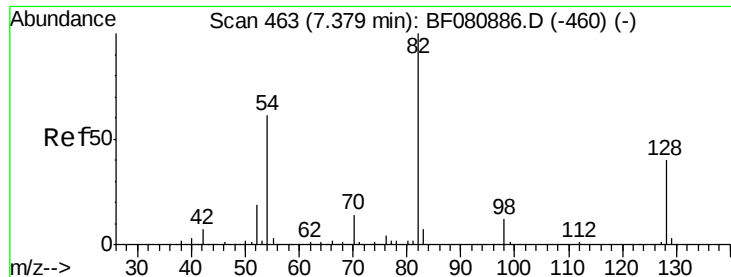
#22  
Acetophenone  
Concen: 0.16 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 875        |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.0   | 3.8 5.8#   |
| 51          | 41.9  | 44.2 66.4# |
| 120         | 0.0   | 15.4 23.0# |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 52.59 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

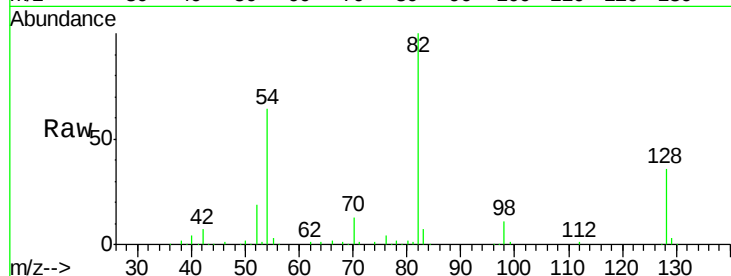
Tot Ion: 82 Resp: 241365

Ion Ratio Lower Upper

82 100

128 35.8 31.8 47.6

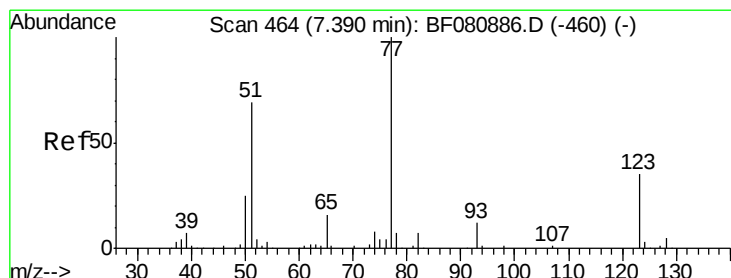
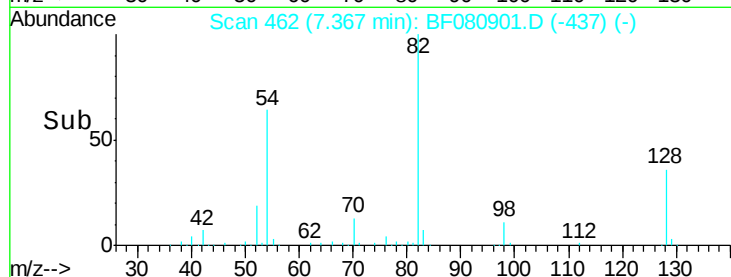
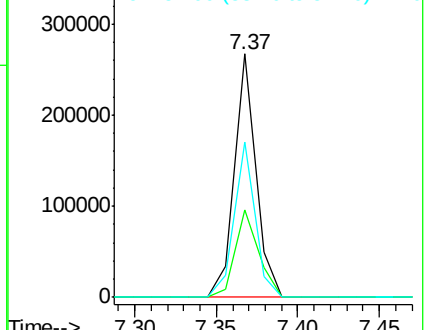
54 63.7 48.6 72.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 0.10 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.02 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

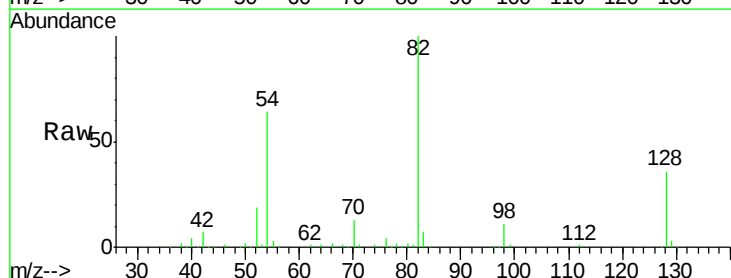
Tgt Ion: 77 Resp: 486

Ion Ratio Lower Upper

77 100

123 0.0 28.3 42.5#

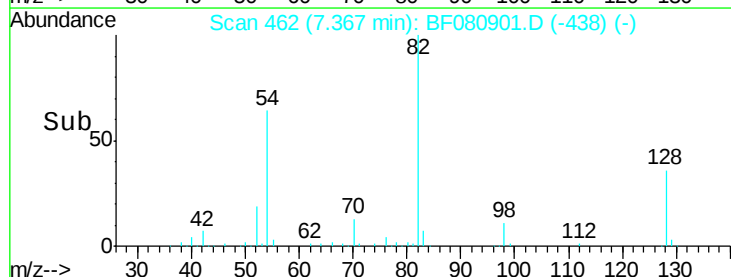
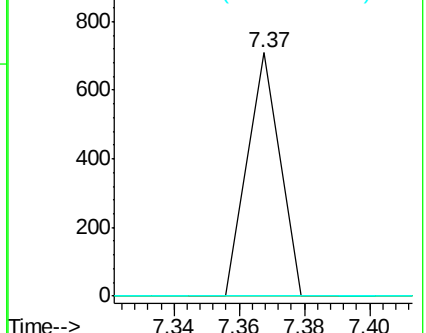
65 0.0 12.5 18.7#

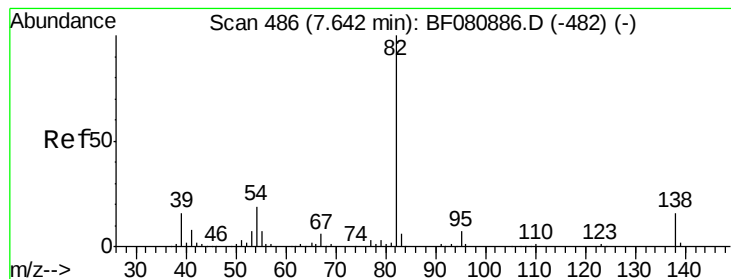


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 24.80 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

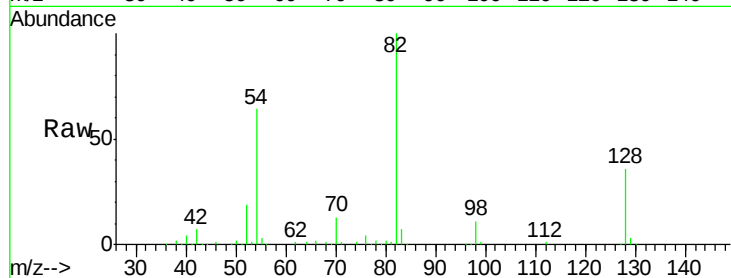
Tot Ion: 82 Resp: 218197

Ion Ratio Lower Upper

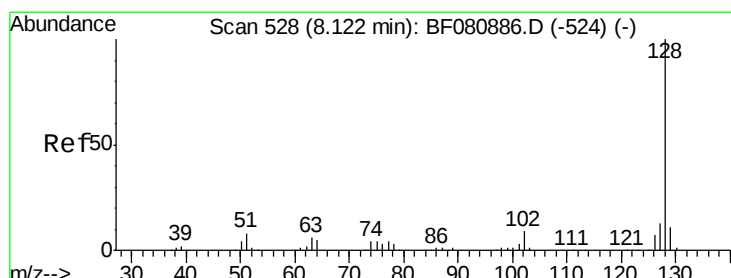
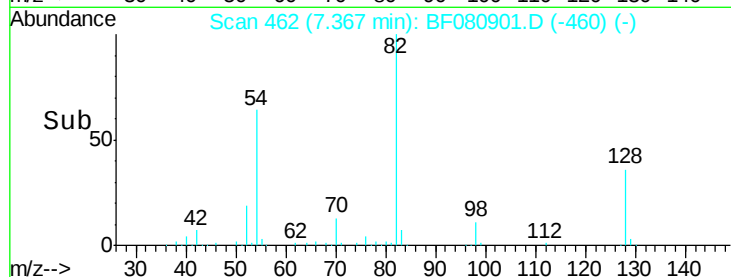
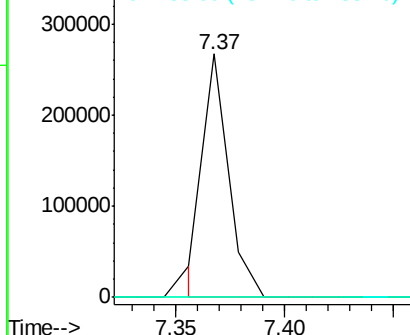
82 100

95 0.0 5.7 8.5#

138 0.0 13.0 19.6#



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): E



#31

Naphthalene

Concen: 0.02 ng

RT: 8.21 min Scan# 536

Delta R.T. 0.09 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

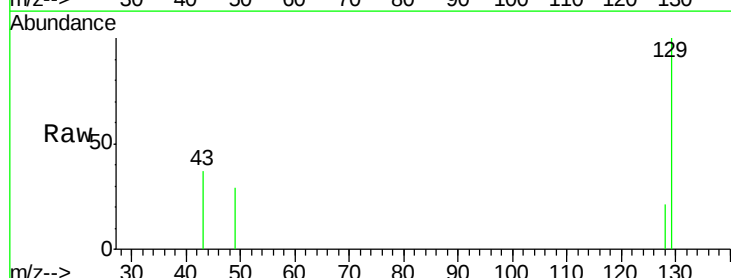
Tgt Ion: 128 Resp: 208

Ion Ratio Lower Upper

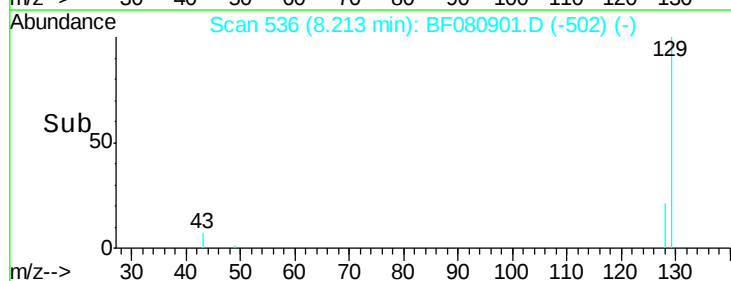
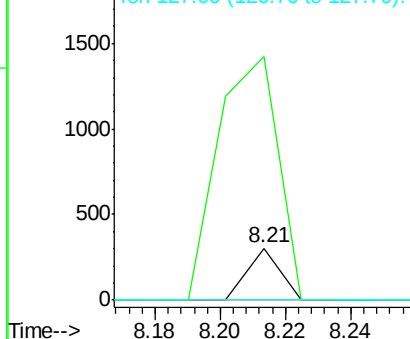
128 100

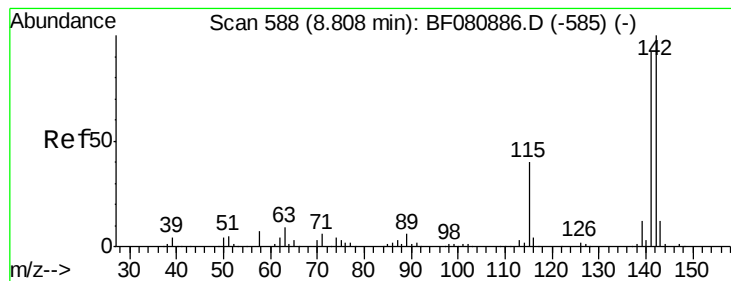
129 468.1 8.6 13.0#

127 0.0 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 0.05 ng

RT: 8.90 min Scan# 596

Delta R.T. 0.09 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

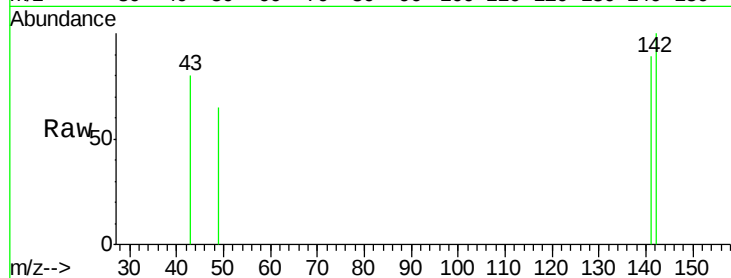
Tot Ion:142 Resp: 372

Ion Ratio Lower Upper

142 100

141 89.3 73.5 110.3

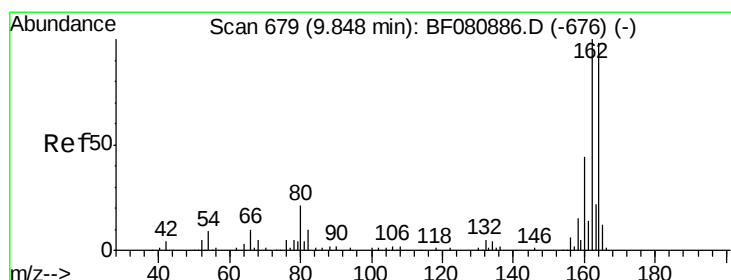
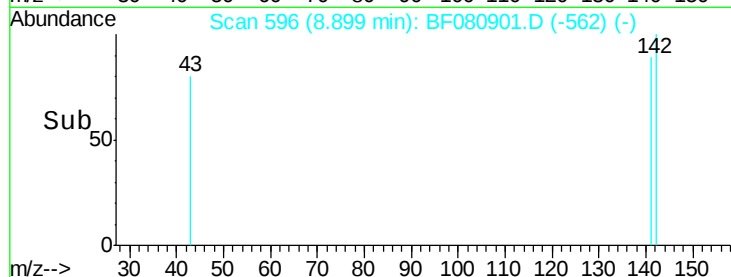
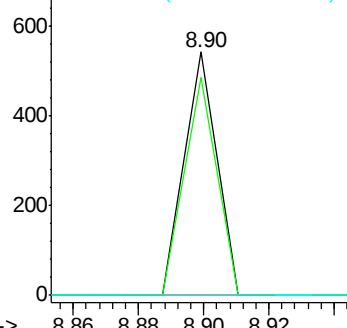
115 0.0 32.1 48.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

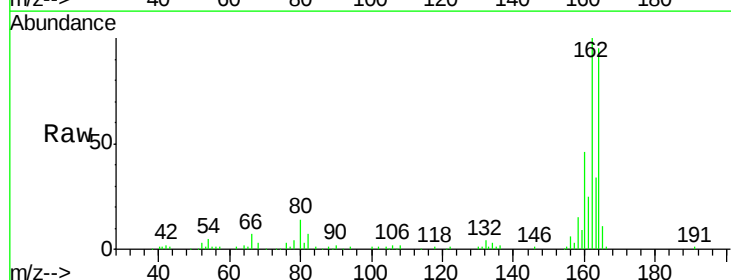
Tgt Ion:164 Resp: 113675

Ion Ratio Lower Upper

164 100

162 104.7 81.5 122.3

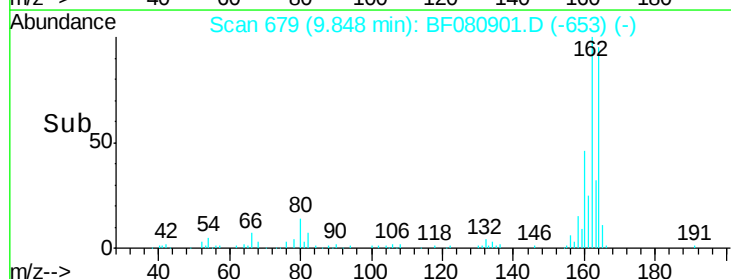
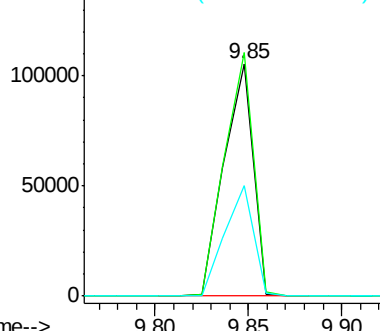
160 47.7 35.9 53.9

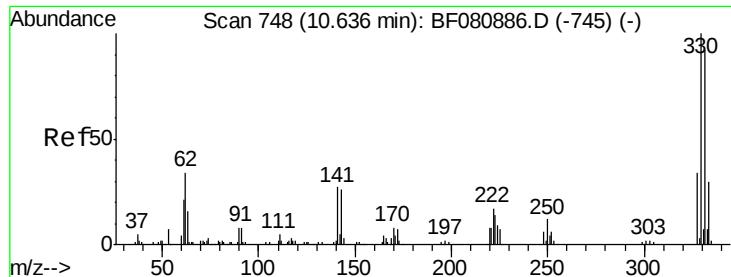


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

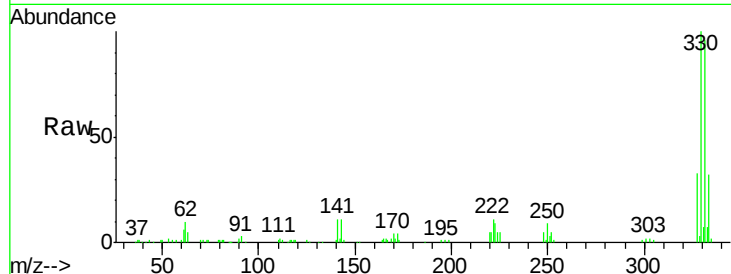




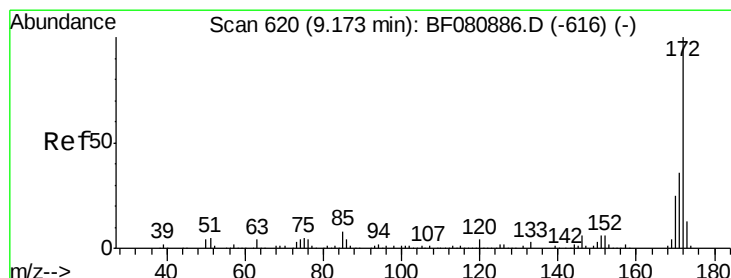
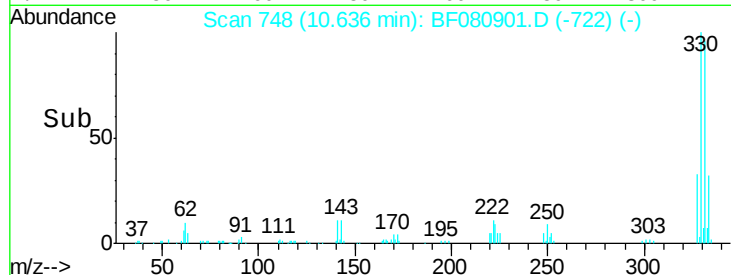
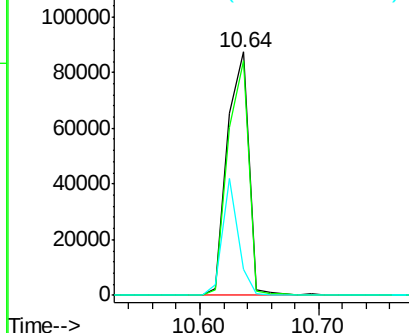
#41  
 2,4,6-Tribromophenol  
 Concen: 89.29 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 74.1  | 111.1 |
| 141     | 35.7  | 30.1  | 45.1  |

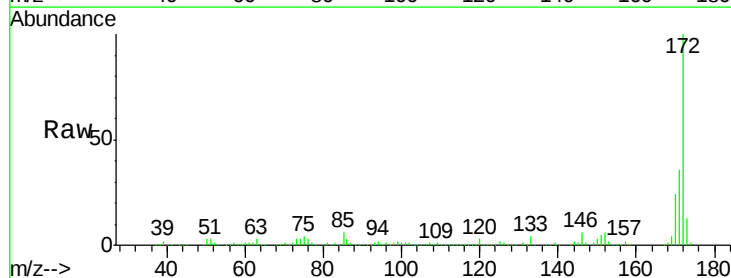


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

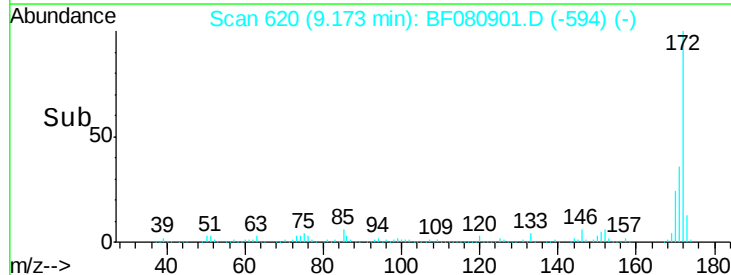
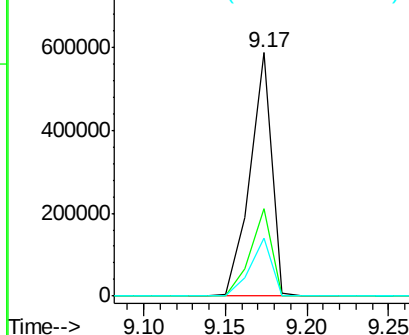


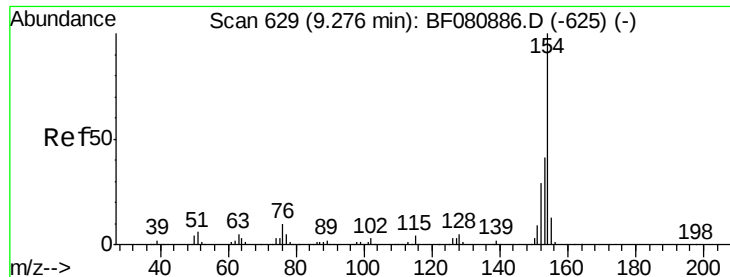
#44  
 2-Fluorobiphenyl  
 Concen: 67.59 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.0  | 43.4  |
| 170     | 24.0  | 19.9  | 29.9  |



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





#45

1,1'-Biphenyl

Concen: 0.10 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.10 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

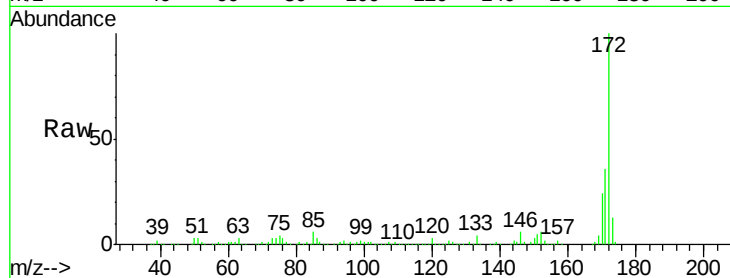
Tot Ion:154 Resp: 976

Ion Ratio Lower Upper

154 100

153 1068.6 20.8 60.8#

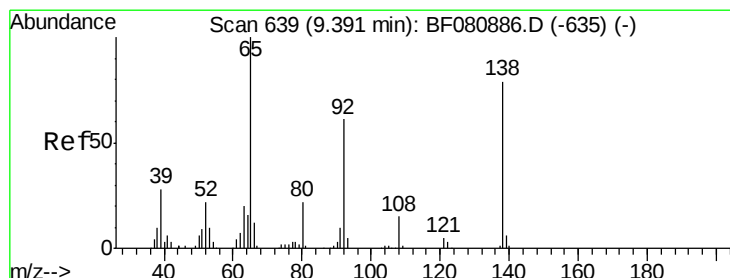
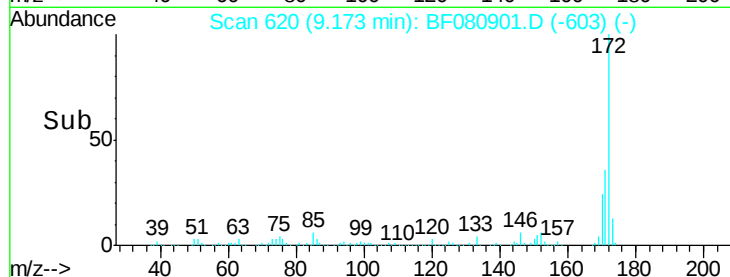
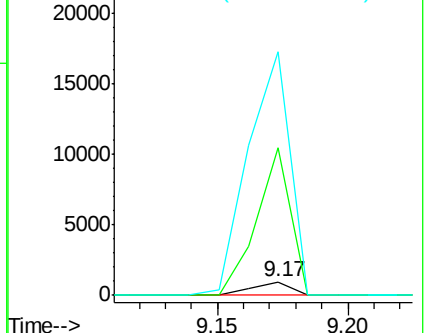
76 1767.7 0.0 30.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 0.20 ng

RT: 9.56 min Scan# 654

Delta R.T. 0.17 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

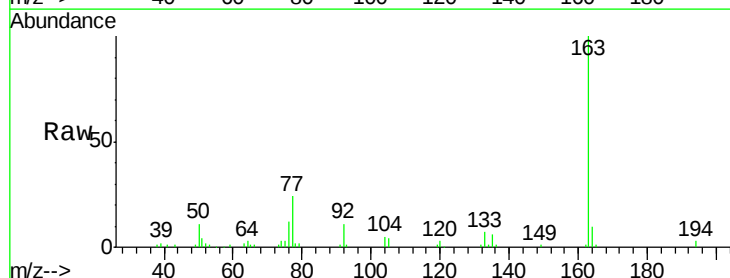
Tgt Ion: 65 Resp: 611

Ion Ratio Lower Upper

65 100

92 943.7 48.5 72.7#

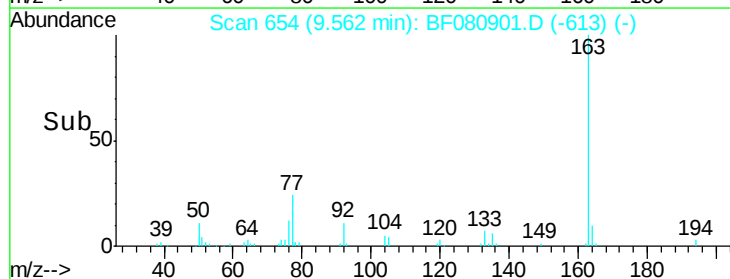
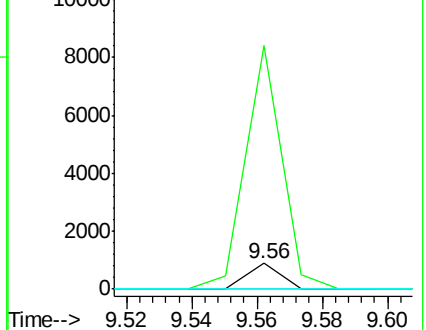
138 0.0 63.3 94.9#

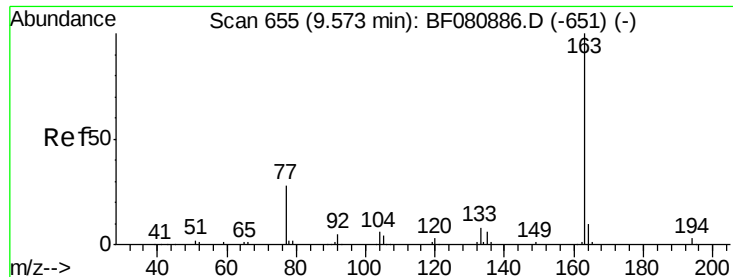


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

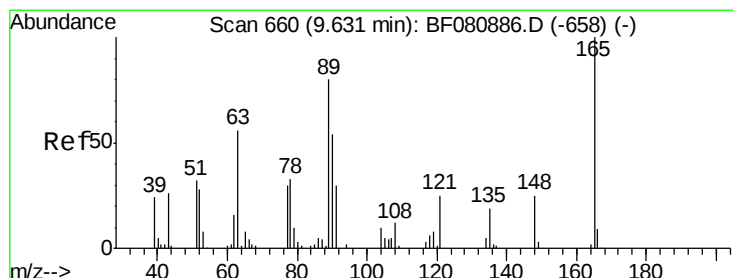
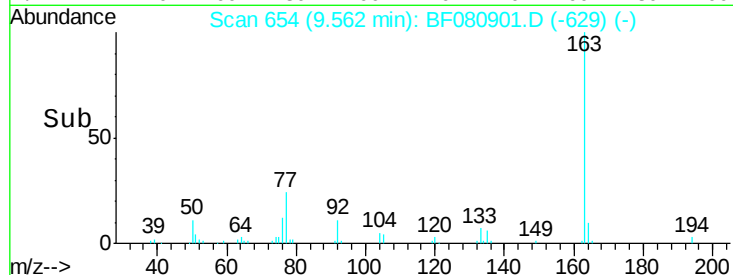
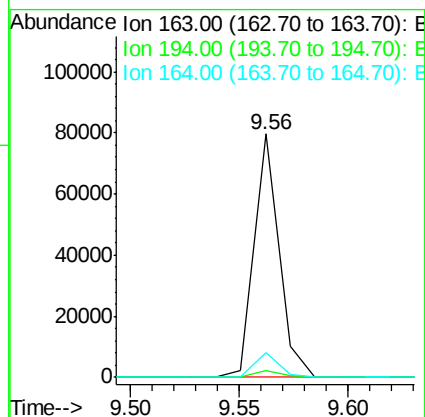
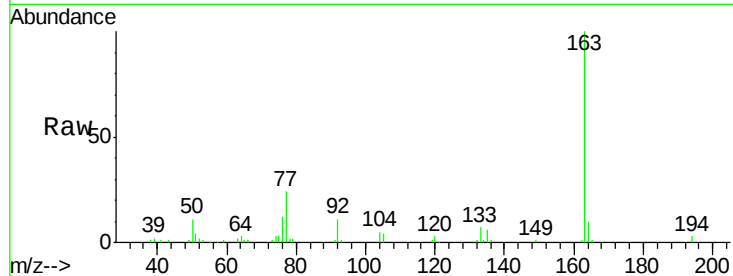




#49  
Dimethylphthalate  
Concen: 7.00 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.01 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

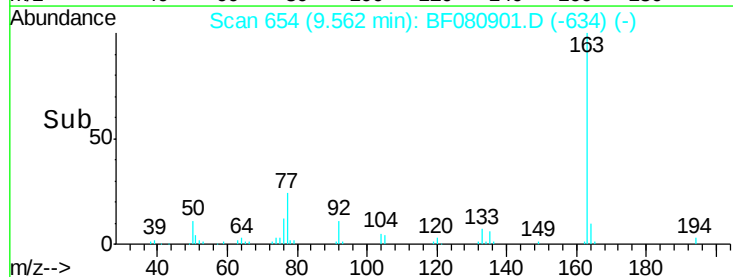
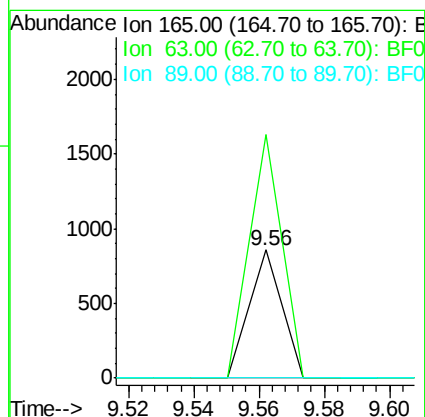
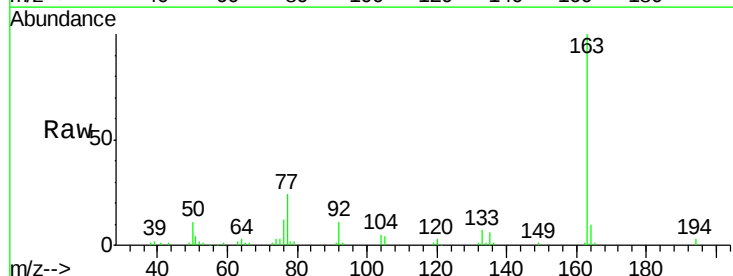
Instrument :  
BNA\_F  
ClientSampled :

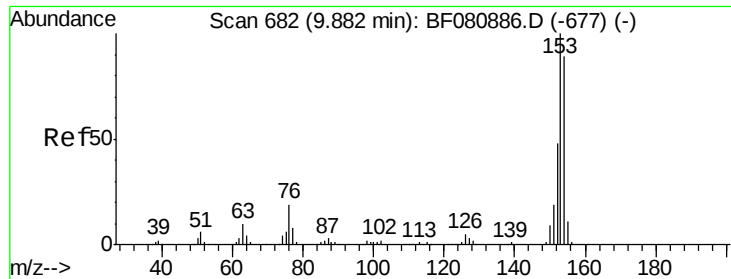
Tot Ion:163 Resp: 63171  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.3 3.5  
164 10.1 8.3 12.5



#50  
2,6-Dinitrotoluene  
Concen: 0.30 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.07 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Tgt Ion:165 Resp: 587  
Ion Ratio Lower Upper  
165 100  
63 190.3 77.6 116.4#  
89 0.0 63.7 95.5#





#51

Acenaphthene

Concen: 0.04 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

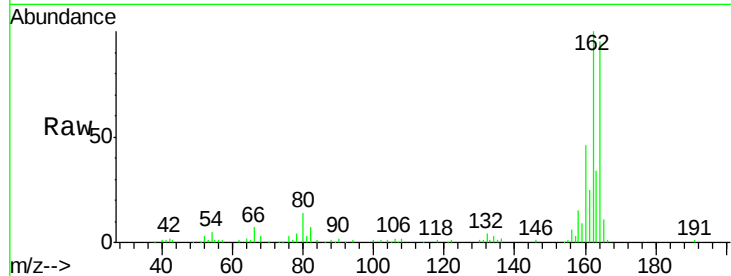
Tot Ion:154 Resp: 294

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

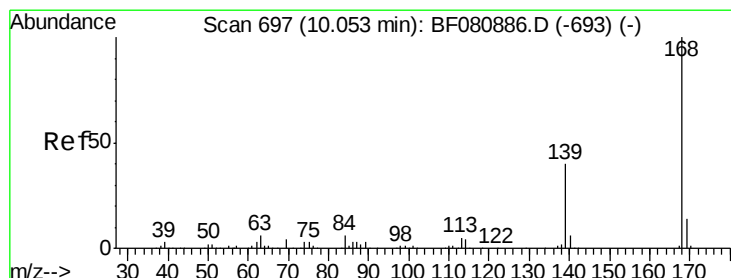
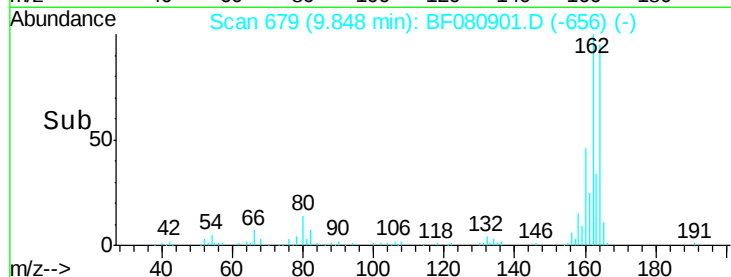
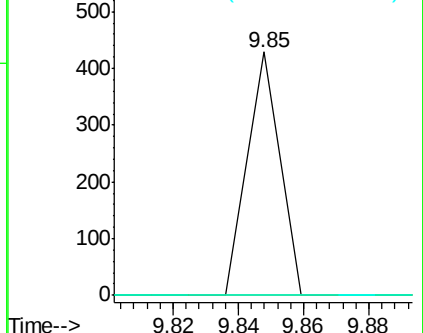
152 0.0 43.6 65.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.02 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.23 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

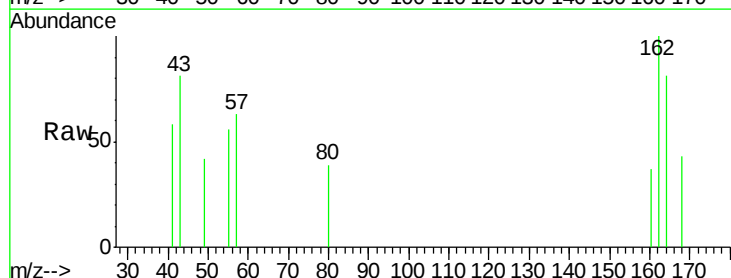
Tgt Ion:168 Resp: 241

Ion Ratio Lower Upper

168 100

139 0.0 31.8 47.8#

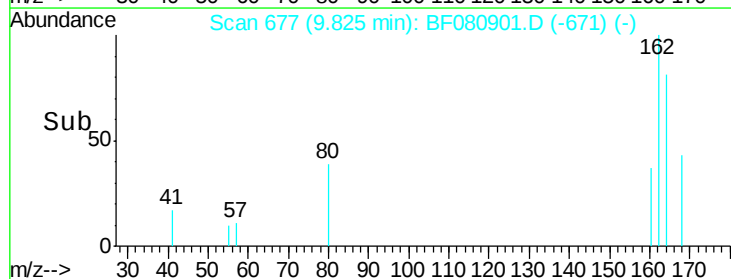
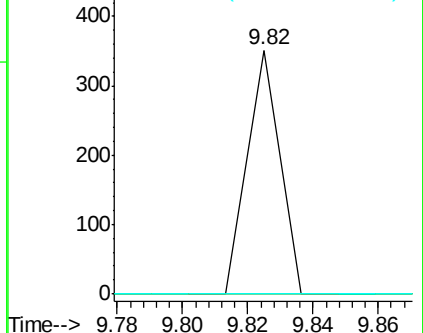
169 0.0 10.8 16.2#

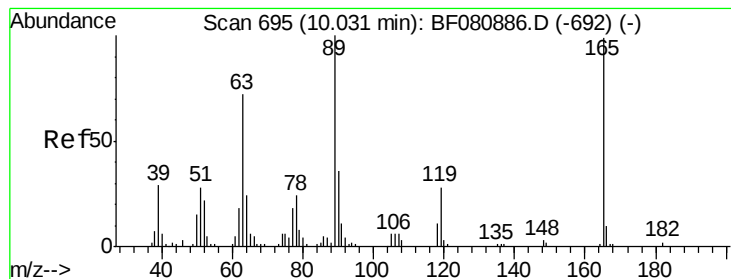


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 5.39 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.18 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 14025

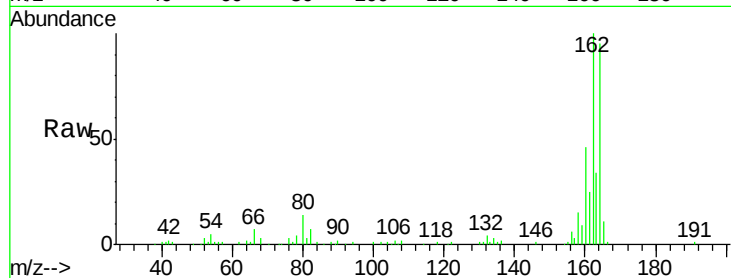
Ion Ratio Lower Upper

165 100

63 0.0 58.6 87.8#

89 2.5 80.7 121.1#

182 0.0 1.8 2.8#

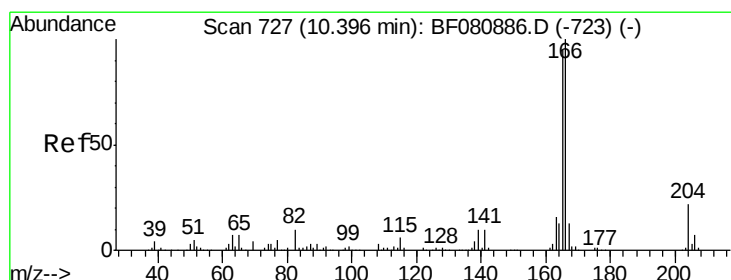
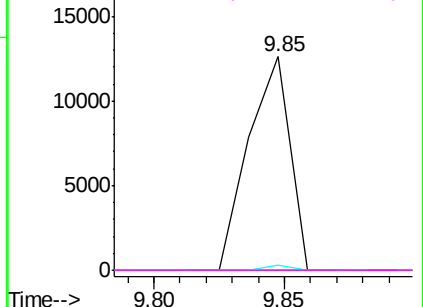
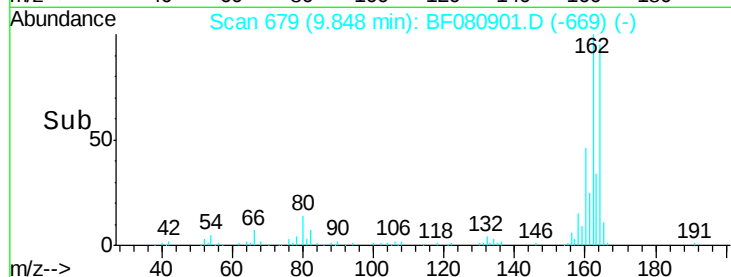


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 0.03 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

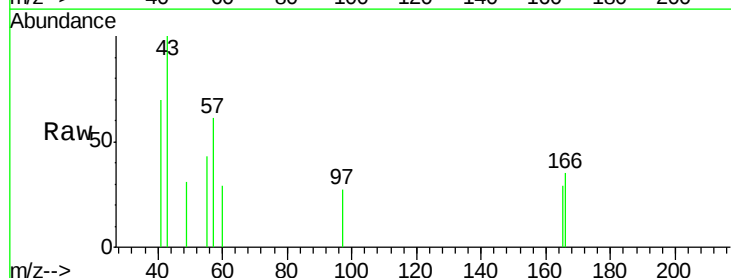
Tgt Ion:166 Resp: 267

Ion Ratio Lower Upper

166 100

165 84.1 75.9 113.9

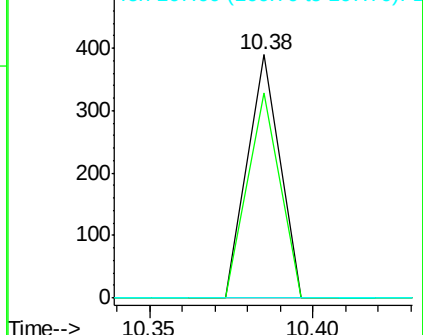
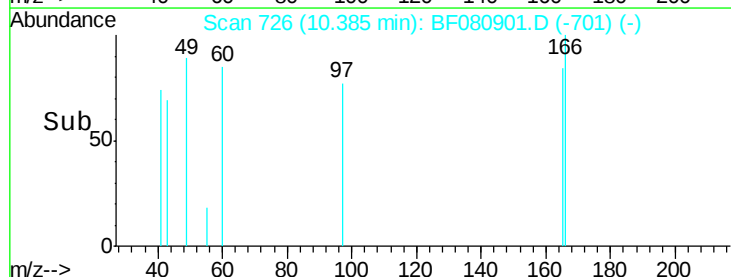
167 0.0 10.8 16.2#

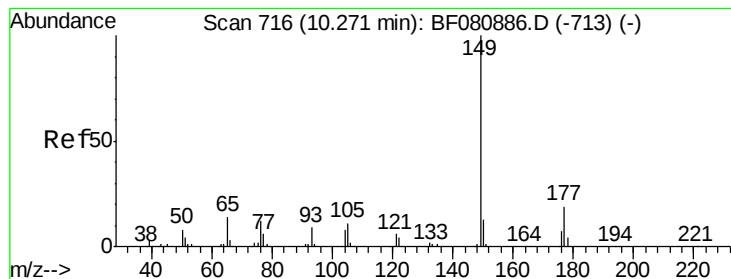


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.29 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

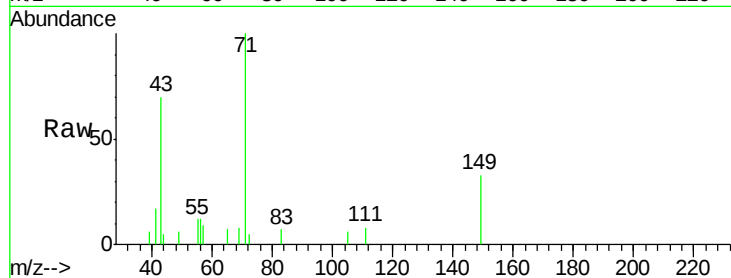
Tot Ion:149 Resp: 2860

Ion Ratio Lower Upper

149 100

177 0.0 14.9 22.3#

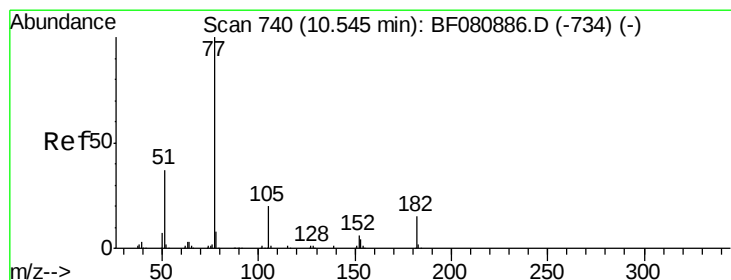
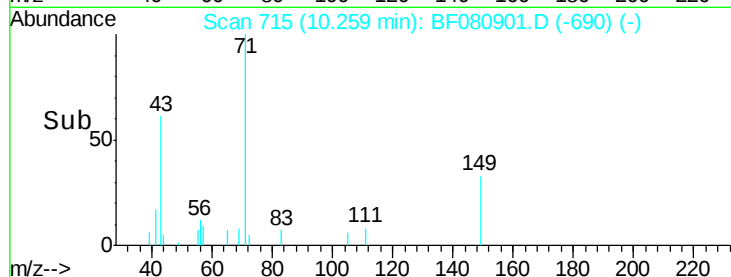
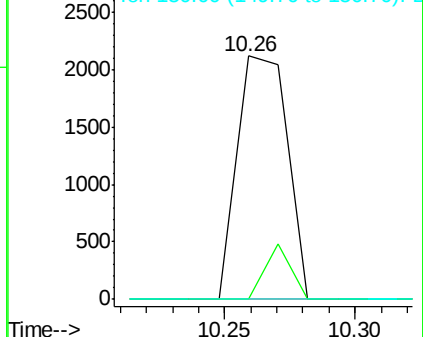
150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 0.05 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Tgt Ion: 77 Resp: 560

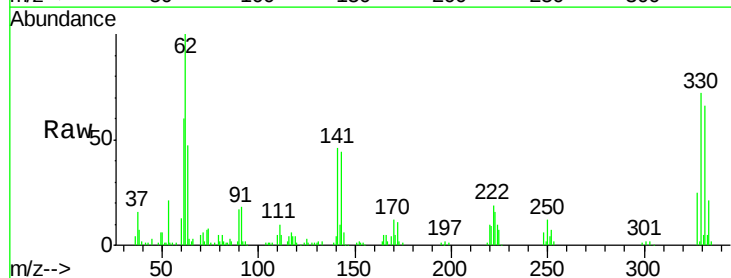
Ion Ratio Lower Upper

77 100

182 0.0 0.0 34.5

105 89.4 0.2 40.2#

51 105.3 16.7 56.7#

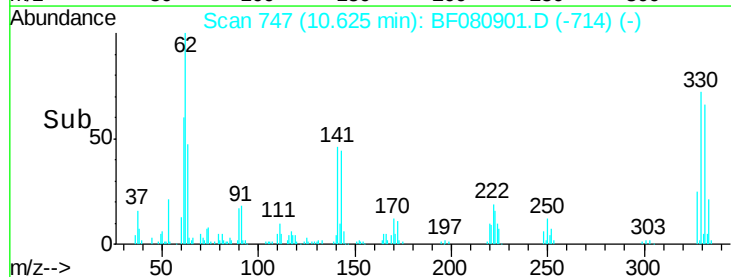
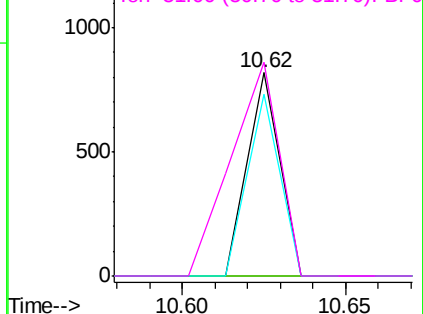


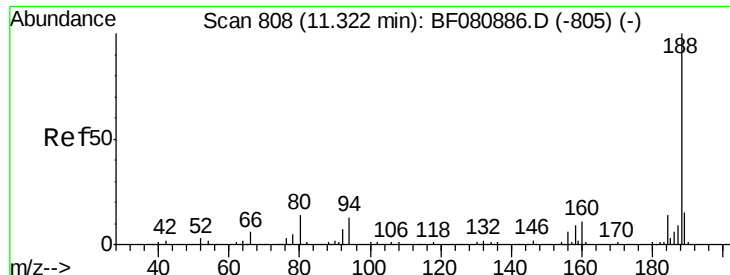
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

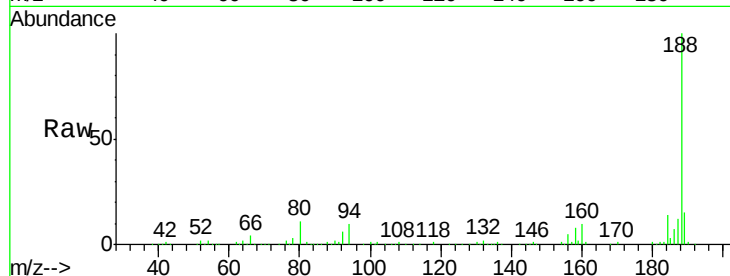




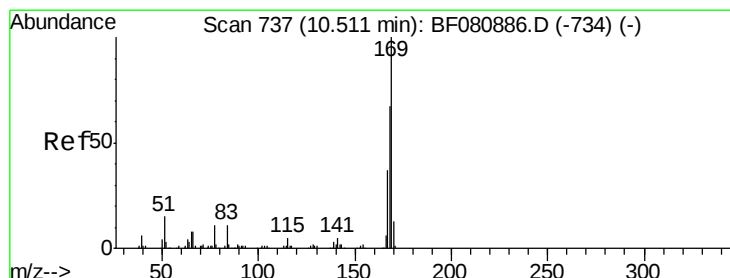
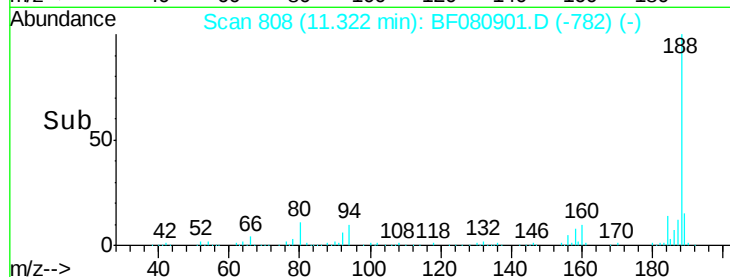
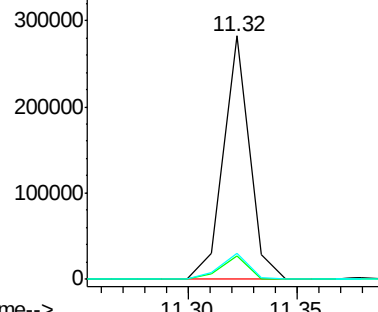
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 10.2  | 15.2# |
| 80      | 10.9  | 11.4  | 17.2# |

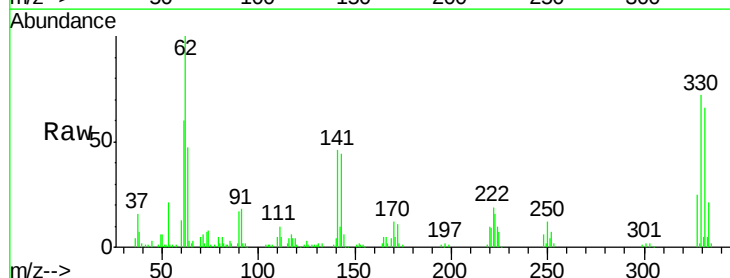


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

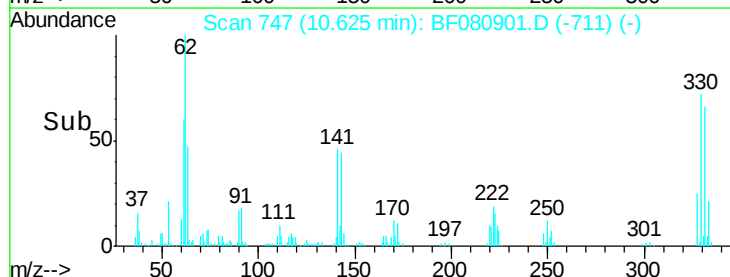
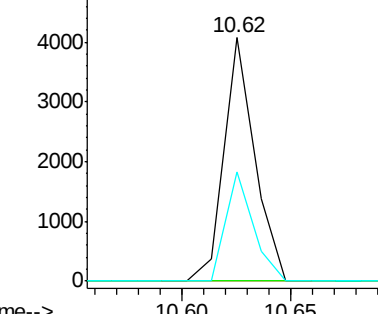


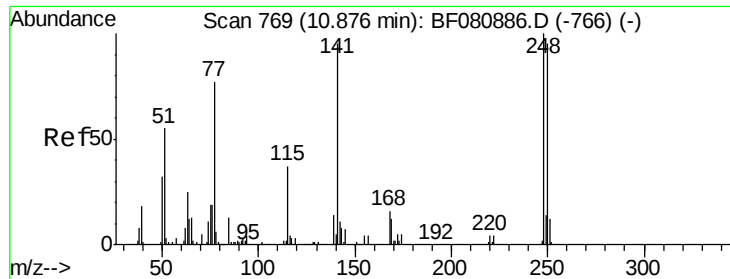
#65  
n-Nitrosodiphenylamine  
Concen: 0.48 ng  
RT: 10.62 min Scan# 747  
Delta R.T. 0.11 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 0.0   | 54.0  | 81.0# |
| 167     | 45.0  | 29.8  | 44.8# |



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.72 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

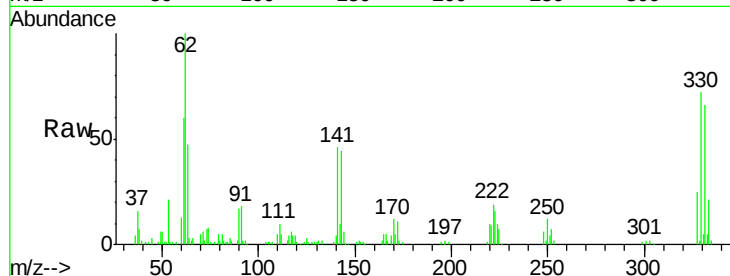
Tot Ion:248 Resp: 6927

Ion Ratio Lower Upper

248 100

250 191.9 75.9 113.9#

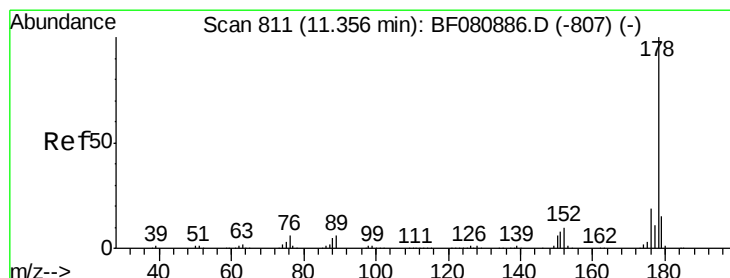
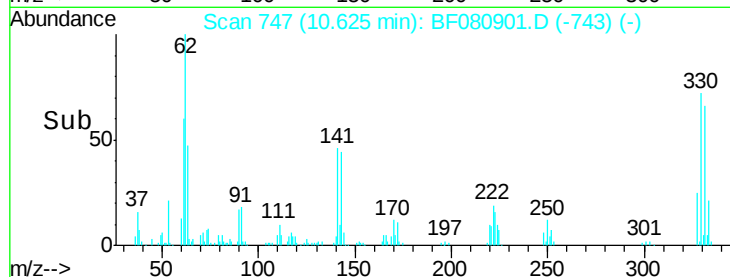
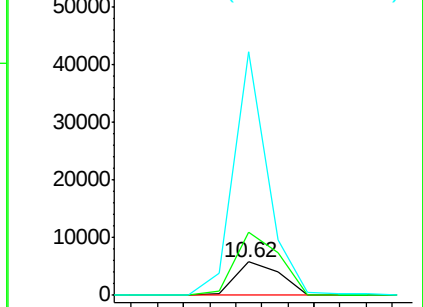
141 735.0 75.8 113.6#



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



#70

Phenanthrene

Concen: 0.09 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

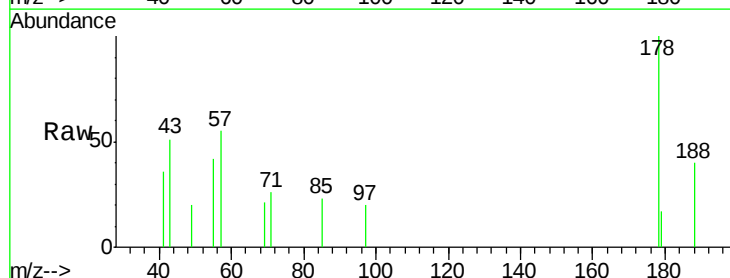
Tgt Ion:178 Resp: 1245

Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

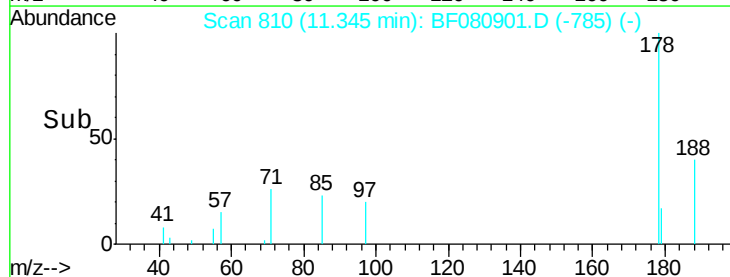
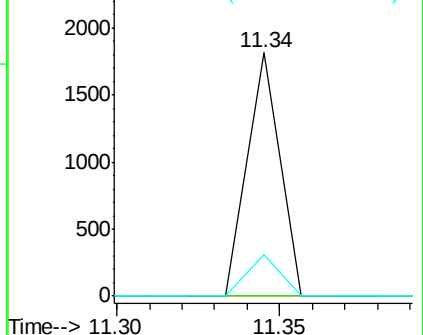
179 16.8 12.0 18.0

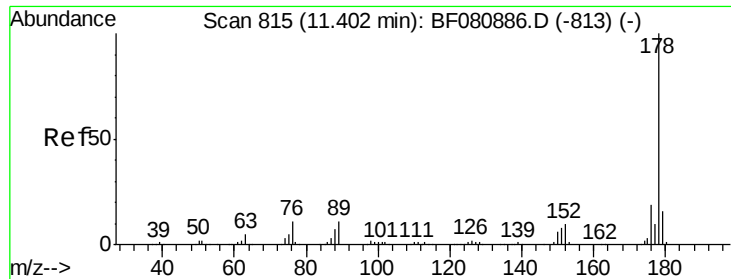


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

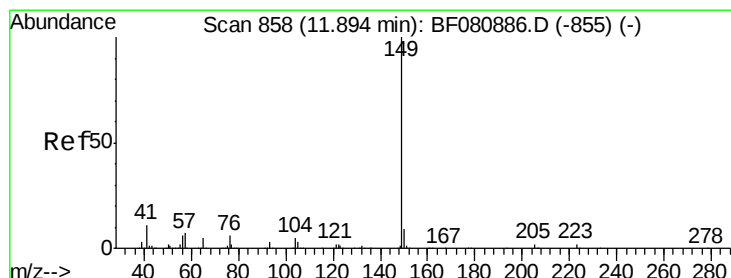
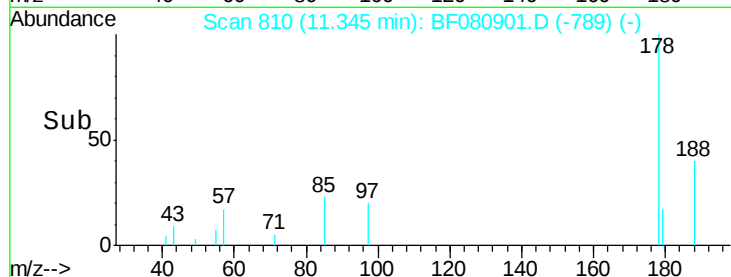
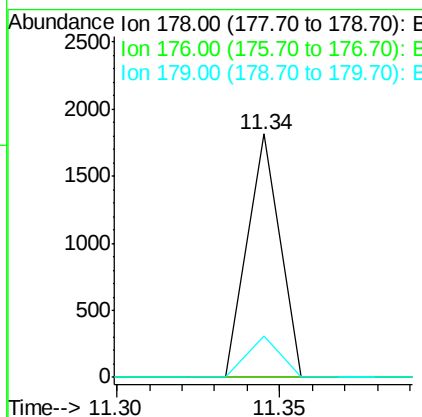
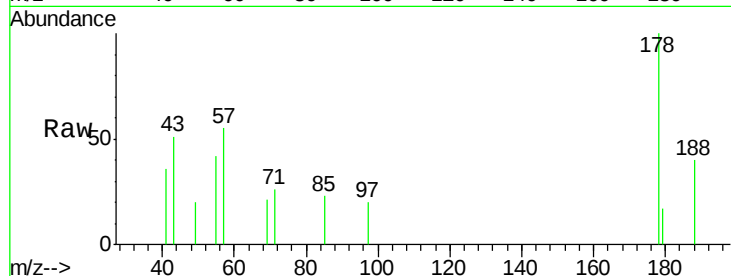




#71  
 Anthracene  
 Concen: 0.09 ng  
 RT: 11.34 min Scan# 810  
 Delta R.T. -0.06 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

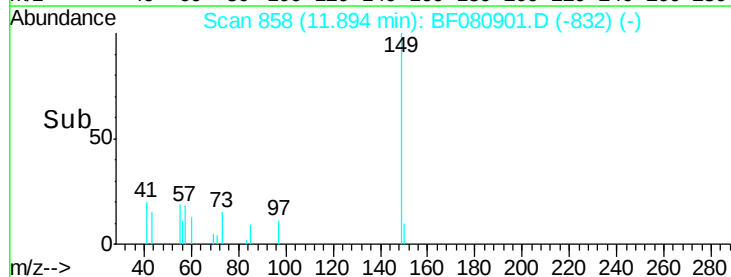
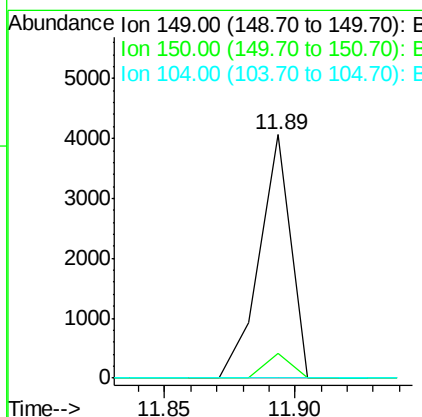
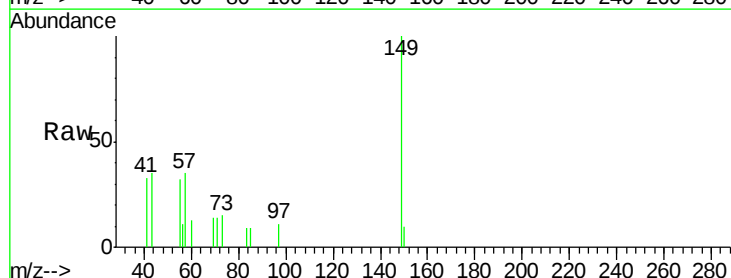
Instrument :  
 BNA\_F  
 ClientSampled :

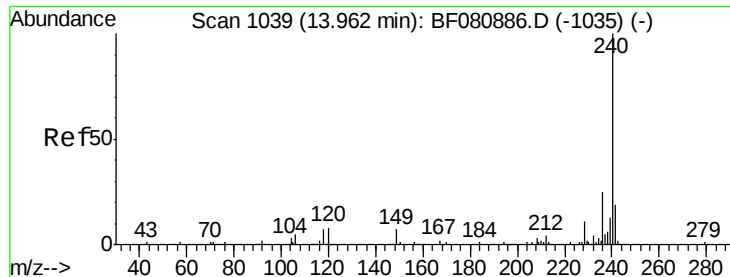
Tot Ion:178 Resp: 1245  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.3 22.9#  
 179 16.8 12.5 18.7



#73  
 Di-n-butylphthalate  
 Concen: 0.21 ng  
 RT: 11.89 min Scan# 858  
 Delta R.T. -0.00 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

Tgt Ion:149 Resp: 3424  
 Ion Ratio Lower Upper  
 149 100  
 150 10.2 7.6 11.4  
 104 0.0 4.3 6.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

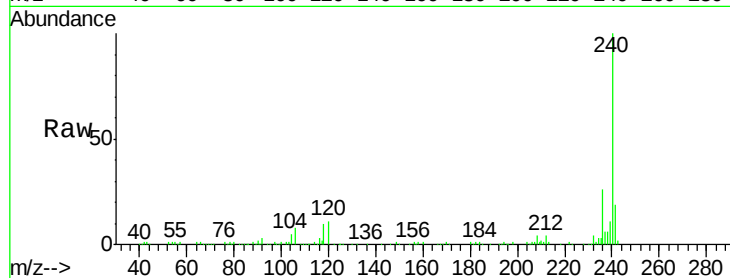
Tot Ion:240 Resp: 219518

Ion Ratio Lower Upper

240 100

120 11.3 6.4 9.6#

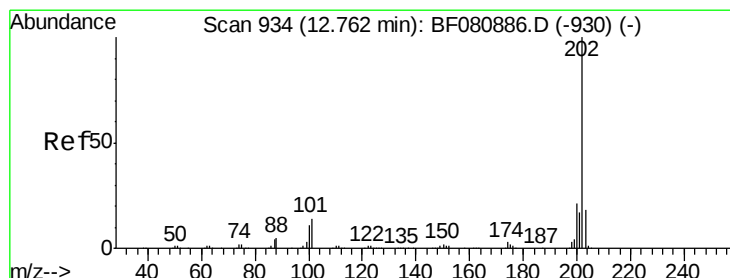
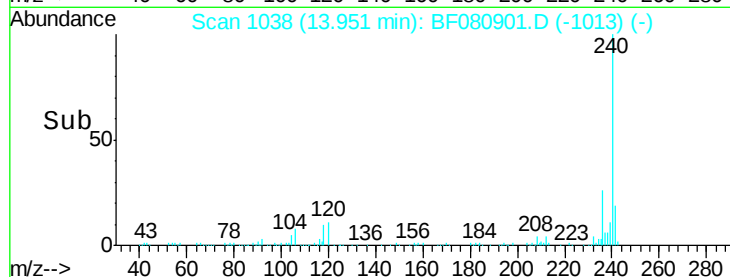
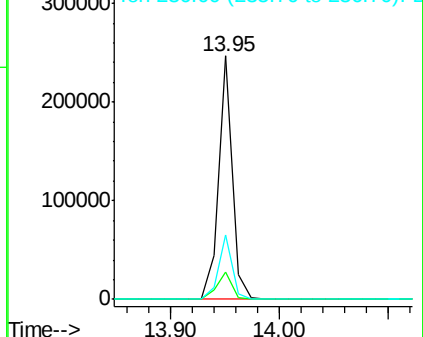
236 26.3 20.2 30.4



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



#77

Pyrene

Concen: 0.12 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.15 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

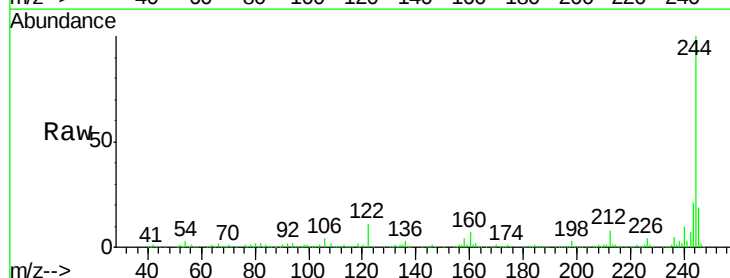
Tgt Ion:202 Resp: 1933

Ion Ratio Lower Upper

202 100

200 47.5 16.6 24.8#

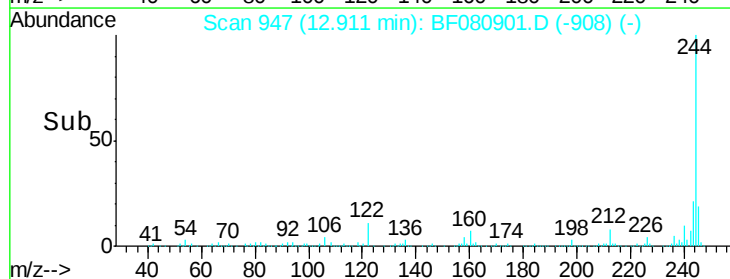
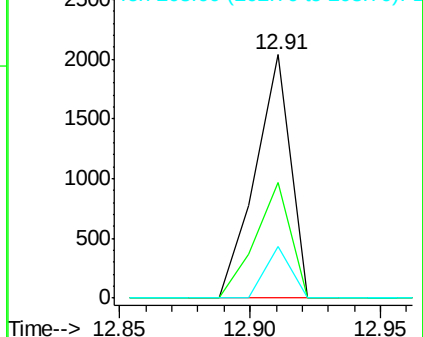
203 21.1 14.3 21.5

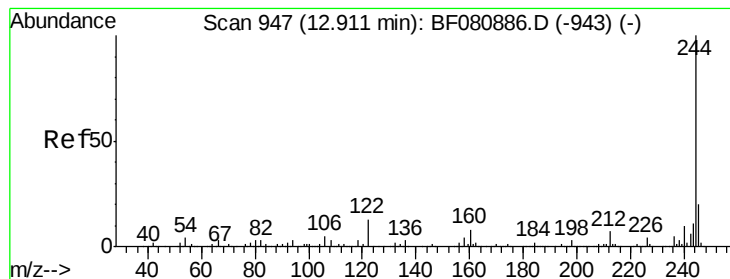


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.97 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

Instrument :

BNA\_F

ClientSampleId :

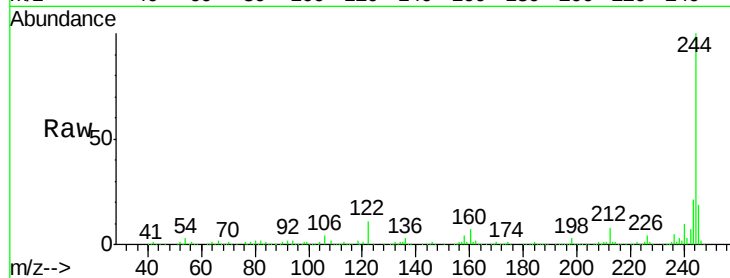
Tot Ion:244 Resp: 572390

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

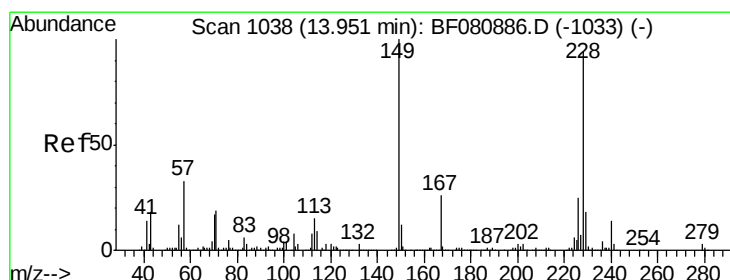
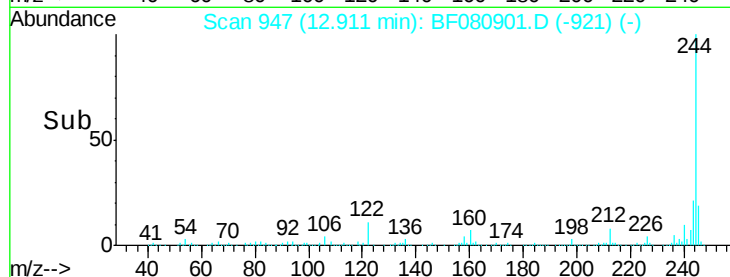
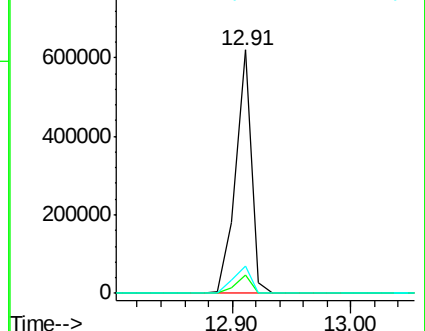
122 11.2 10.6 16.0



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



#80

Benzo(a)anthracene

Concen: 0.03 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF080901.D

Acq: 6 Aug 2015 21:34

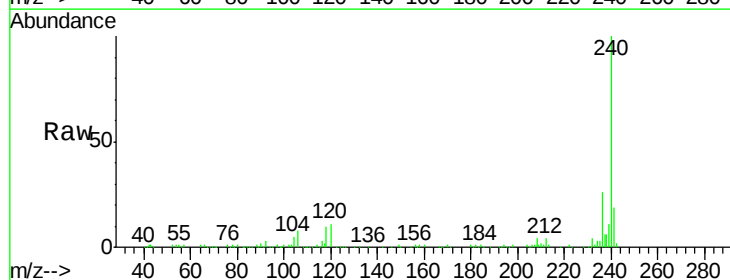
Tgt Ion:228 Resp: 434

Ion Ratio Lower Upper

228 100

226 0.0 21.4 32.2#

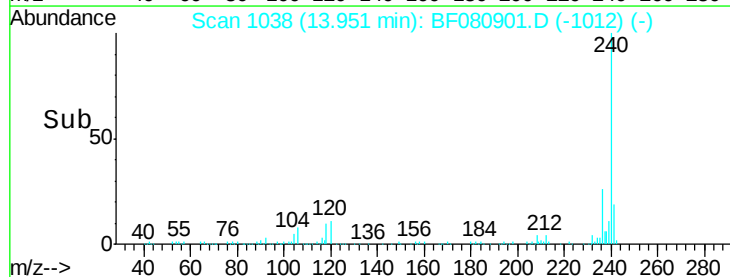
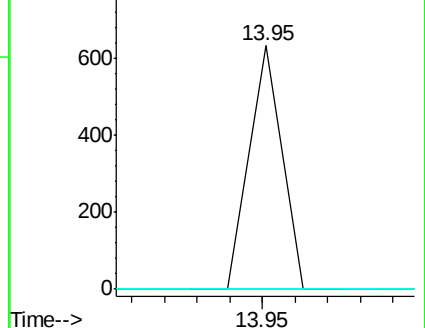
229 0.0 14.9 22.3#

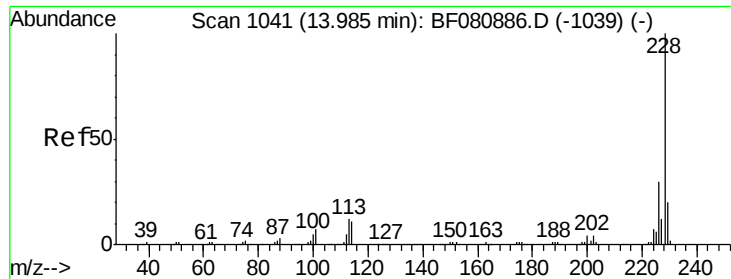


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

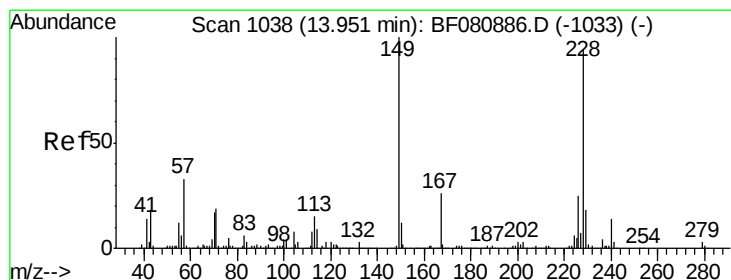
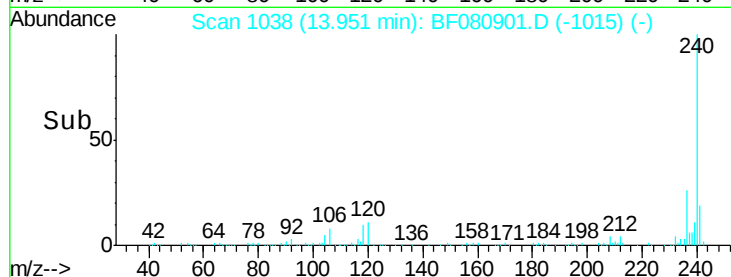
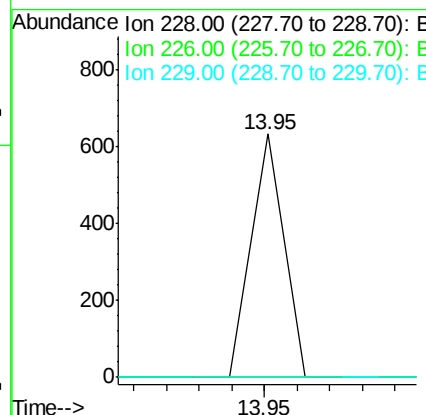
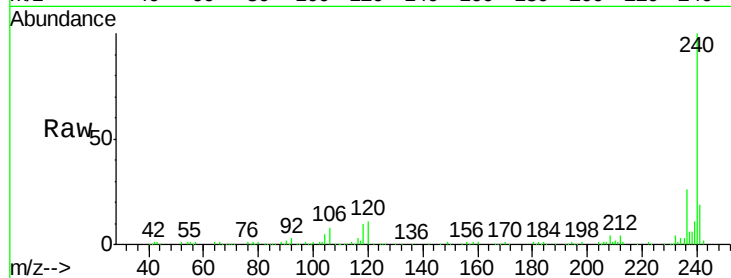




#82  
 Chrysene  
 Concen: 0.03 ng  
 RT: 13.95 min Scan# 1038  
 Delta R.T. -0.03 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

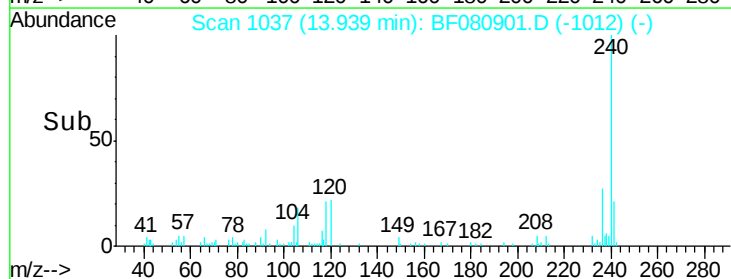
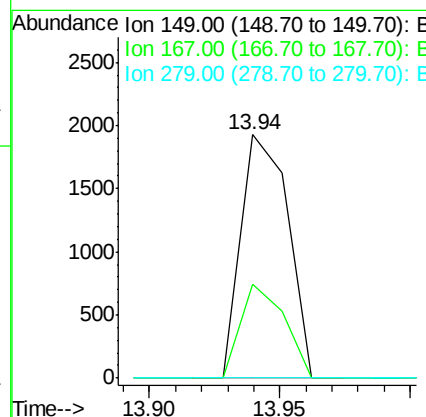
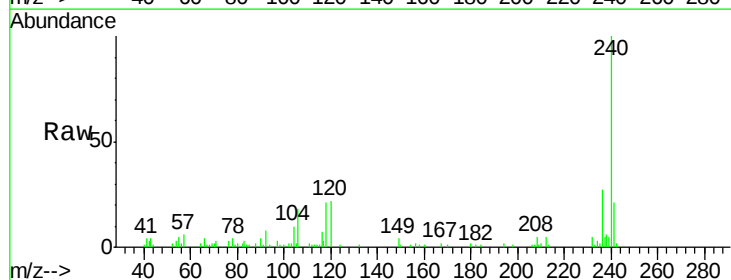
Instrument :  
 BNA\_F  
 ClientSampleId :

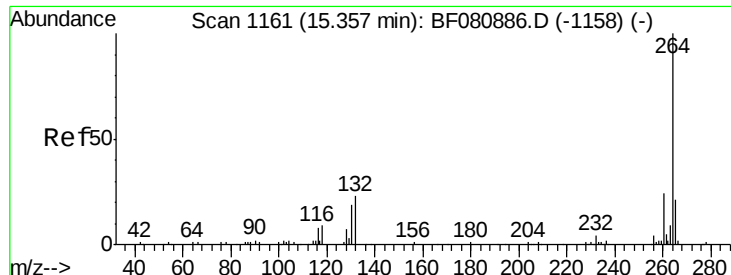
Tot Ion:228 Resp: 434  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 24.2 36.2#  
 229 0.0 16.2 24.2#



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.23 ng  
 RT: 13.94 min Scan# 1037  
 Delta R.T. -0.01 min  
 Lab File: BF080901.D  
 Acq: 6 Aug 2015 21:34

Tgt Ion:149 Resp: 2437  
 Ion Ratio Lower Upper  
 149 100  
 167 38.4 20.6 31.0#  
 279 0.0 2.4 3.6#

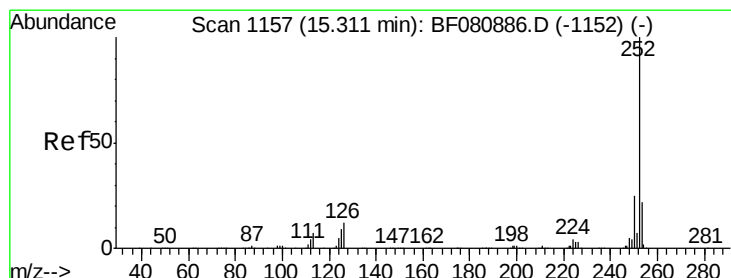
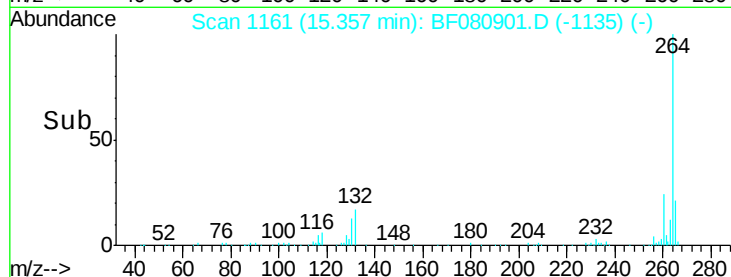
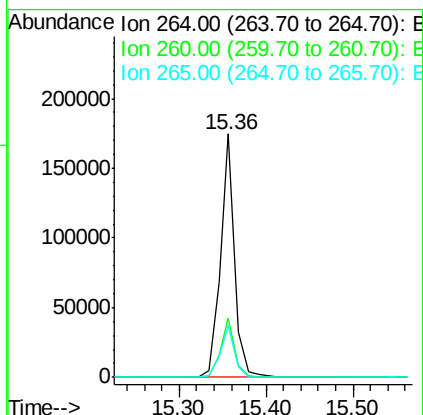
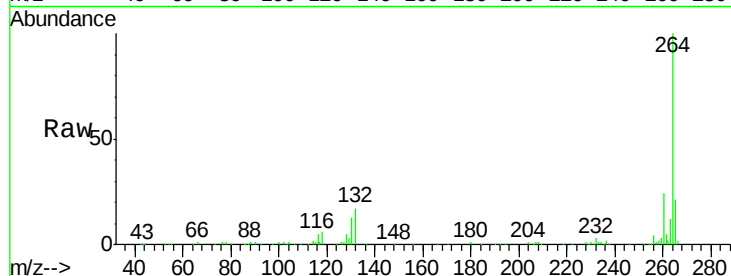




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 198062  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.0 28.4  
265 21.4 17.0 25.6



#89  
Benzo(a)pyrene  
Concen: 0.04 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. 0.05 min  
Lab File: BF080901.D  
Acq: 6 Aug 2015 21:34

Tgt Ion:252 Resp: 455  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.6 26.4#  
125 0.0 7.5 11.3#

