

Data Path : Z:\HPCHEM1\BNA F\Data\BF101416\  
 Data File : BF090563.D  
 Acq On : 14 Oct 2016 12:01  
 Operator : UM/SJ  
 Sample : H5157-01DL 4X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MJSB-17(6-8)DL

Quant Time: Oct 14 13:51:05 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 02:03:28 2016  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.920  | 152  | 198546   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.212  | 136  | 706127   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 9.983  | 164  | 373363   | 20.00  | ng    | 0.01     |
| 63) Phenanthrene-d10          | 11.469 | 188  | 739241   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12              | 14.098 | 240  | 467526   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.550 | 264  | 368184   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.514  | 112  | 309546   | 28.58  | ng    | -0.01    |
| 7) Phenol-d6                  | 6.543  | 99   | 449984   | 27.96  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.480  | 82   | 302931   | 23.83  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 10.772 | 330  | 116466   | 34.99  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl          | 9.298  | 172  | 416240   | 18.37  | ng    | 0.01     |
| 78) Terphenyl-d14             | 13.046 | 244  | 407094   | 20.27  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.308  | 42   | 3843     | 7.83   | ng    | # 1      |
| 15) Benzyl Alcohol            | 7.069  | 79   | 28395    | 2.59   | ng    | # 47     |
| 18) Hexachloroethane          | 7.492  | 117  | 1001169  | 166.32 | ng    | # 9      |
| 19) n-Nitroso-di-n-propyla... | 7.354  | 70   | 55462    | 5.03   | ng    | # 59     |
| 24) Nitrobenzene              | 7.457  | 77   | 205293   | 15.74  | ng    | # 42     |
| 25) Isophorone                | 7.743  | 82   | 233306   | 10.08  | ng    | # 1      |
| 26) 2-Nitrophenol             | 7.835  | 139  | 15461    | 2.61   | ng    | # 1      |
| 27) 2,4-Dimethylphenol        | 7.869  | 122  | 31854    | 3.24   | ng    | # 2      |
| 29) 2,4-Dichlorophenol        | 8.052  | 162  | 27871    | 3.24   | ng    | # 29     |
| 31) Naphthalene               | 8.235  | 128  | 185371   | 5.15   | ng    | # 1      |
| 32) Benzoic acid              | 8.006  | 122  | 20480    | 3.40   | ng    | # 48     |
| 33) 4-Chloroaniline           | 8.257  | 127  | 70779    | 5.15   | ng    | # 1      |
| 35) Caprolactam               | 8.646  | 113  | 237397   | 98.88  | ng    | # 87     |
| 36) 4-Chloro-3-methylphenol   | 8.749  | 107  | 32815    | 3.31   | ng    | # 42     |
| 37) 2-Methylnaphthalene       | 8.932  | 142  | 379271   | 17.95  | ng    | # 98     |
| 42) 2,4,6-Trichlorophenol     | 9.206  | 196  | 14673    | 2.63   | ng    | # 11     |
| 43) 2,4,5-Trichlorophenol     | 9.206  | 196  | 14673    | 2.20   | ng    | # 1      |
| 48) Acenaphthylene            | 9.835  | 152  | 94514    | 2.80   | ng    | # 1      |
| 49) Dimethylphthalate         | 9.686  | 163  | 117603   | 4.85   | ng    | # 69     |
| 50) 2,6-Dinitrotoluene        | 9.755  | 165  | 43866    | 8.28   | ng    | # 2      |
| 51) Acenaphthene              | 10.006 | 154  | 191801   | 8.55   | ng    | # 87     |
| 52) 3-Nitroaniline            | 9.926  | 138  | 14591    | 2.19   | ng    | # 35     |
| 53) 2,4-Dinitrophenol         | 10.052 | 184  | 990      | 5.99   | ng    | # 1      |
| 54) Dibenzofuran              | 10.189 | 168  | 151584   | 5.14   | ng    | # 1      |
| 55) 4-Nitrophenol             | 10.086 | 139  | 88396    | 22.08  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene        | 10.189 | 165  | 53920    | 7.49   | ng    | # 59     |
| 57) Fluorene                  | 10.532 | 166  | 368549   | 15.15  | ng    | # 89     |
| 61) 4-Nitroaniline            | 10.441 | 138  | 18858    | 2.83   | ng    | # 85     |
| 64) 4,6-Dinitro-2-methylph... | 10.623 | 198  | 9416     | 2.10   | ng    | # 1      |
| 65) n-Nitrosodiphenylamine    | 10.635 | 169  | 585537   | 23.98  | ng    | # 53     |
| 70) Phenanthrene              | 11.492 | 178  | 1391486  | 35.26  | ng    | # 96     |
| 71) Anthracene                | 11.492 | 178  | 1391486  | 32.76  | ng    | # 96     |
| 74) Fluoranthene              | 12.681 | 202  | 154006   | 3.88   | ng    | # 89     |

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Sample : H5157-01DL 4X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

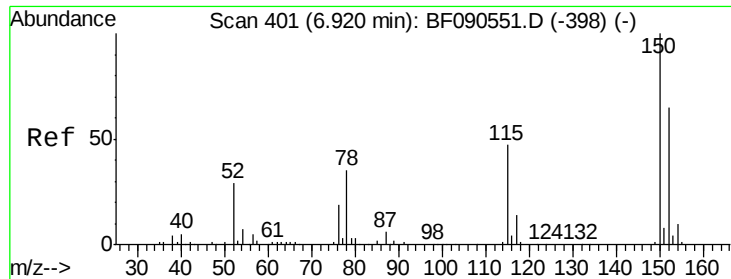
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

Quant Time: Oct 14 13:51:05 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 02:03:28 2016  
Response via : Initial Calibration

| Compound   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|------------|--------|------|----------|------|-------|----------|
| 77) Pyrene | 12.898 | 202  | 214215   | 6.92 | ng    | # 91     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.920 min Scan# 40

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

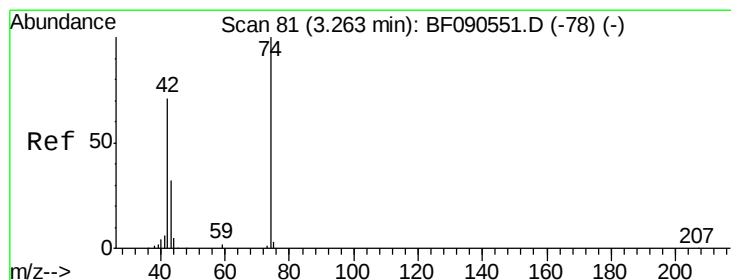
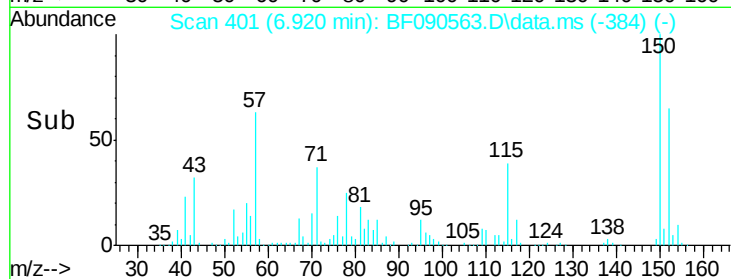
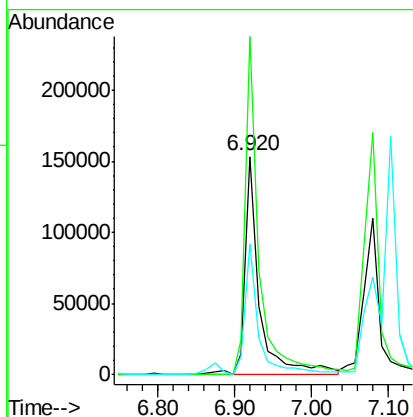
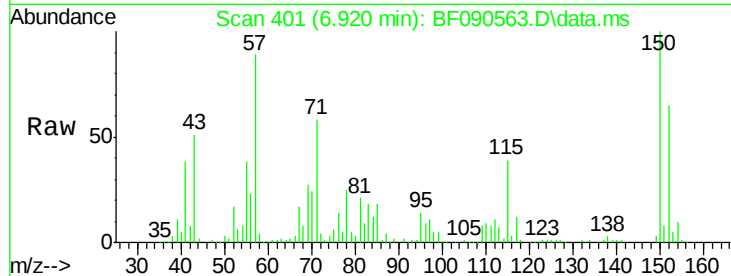
Tot Ion:152 Resp: 198546

Ion Ratio Lower Upper

152 100

150 154.9 127.2 190.8

115 60.1 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.83 ng

RT: 3.308 min Scan# 85

Delta R.T. 0.046 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

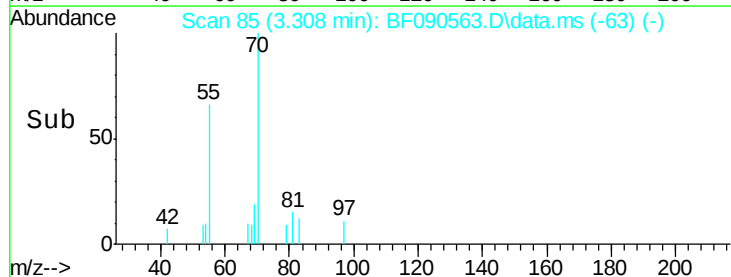
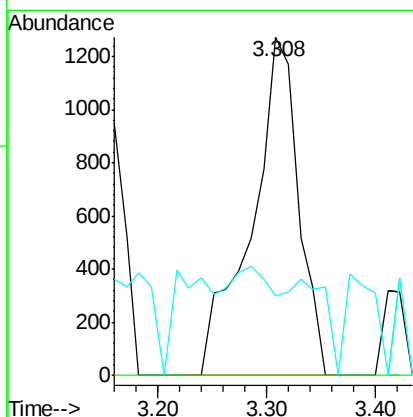
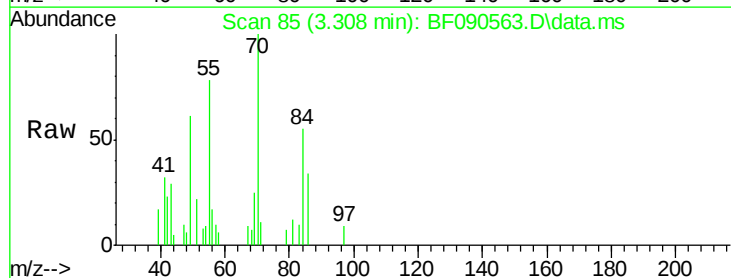
Tgt Ion: 42 Resp: 3843

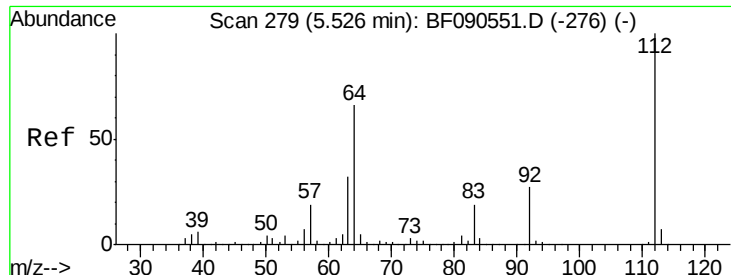
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 23.7 6.0 9.0#





#5

2-Fluorophenol

Concen: 28.58 ng

RT: 5.514 min Scan# 27

Delta R.T. -0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

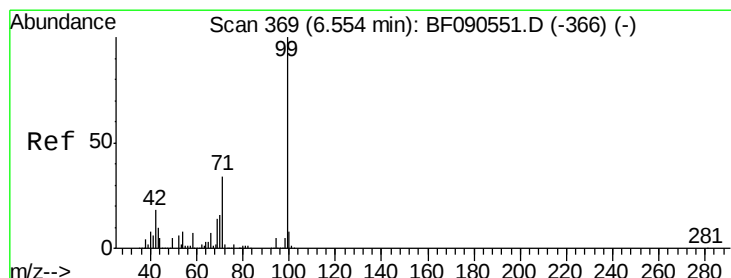
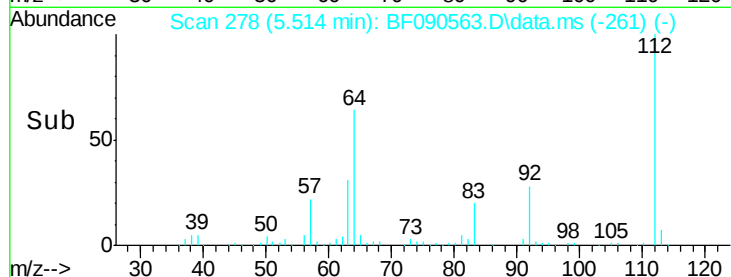
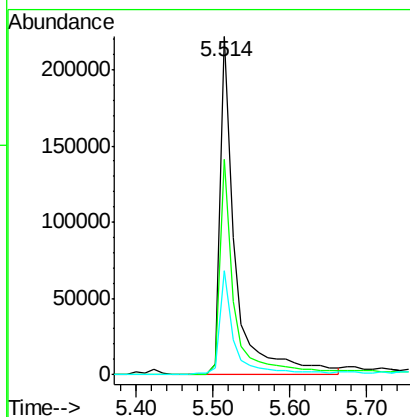
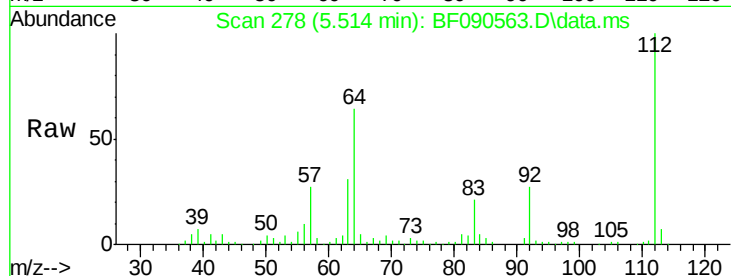
Tot Ion:112 Resp: 309546

Ion Ratio Lower Upper

112 100

64 63.6 52.6 78.8

63 30.6 26.0 39.0



#7

Phenol-d6

Concen: 27.96 ng

RT: 6.543 min Scan# 368

Delta R.T. -0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

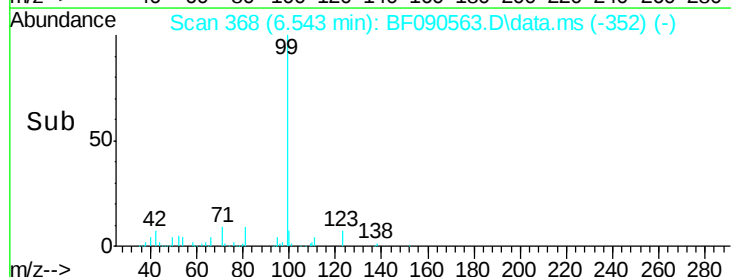
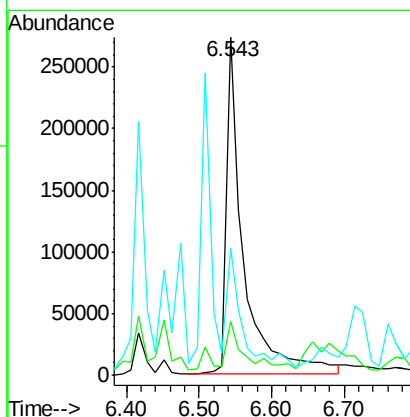
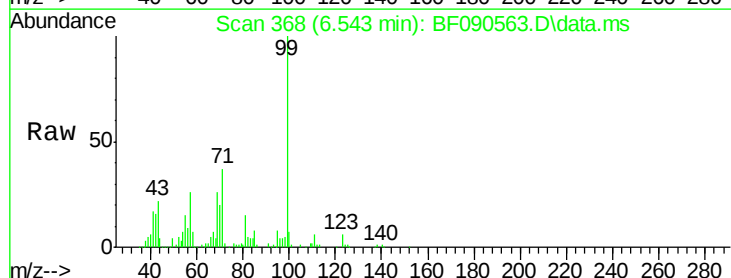
Tgt Ion: 99 Resp: 449984

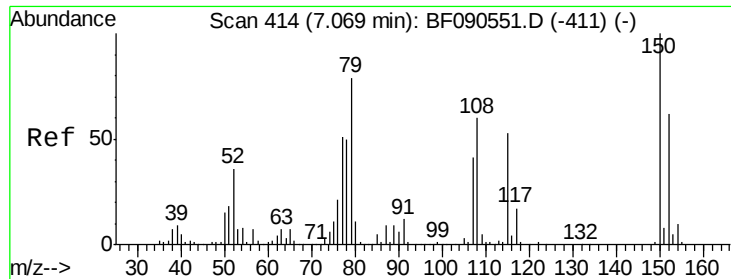
Ion Ratio Lower Upper

99 100

42 16.0 14.7 22.1

71 37.4 27.6 41.4





#15

Benzyl Alcohol

Concen: 2.59 ng

RT: 7.069 min Scan# 41

Delta R.T. 0.001 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

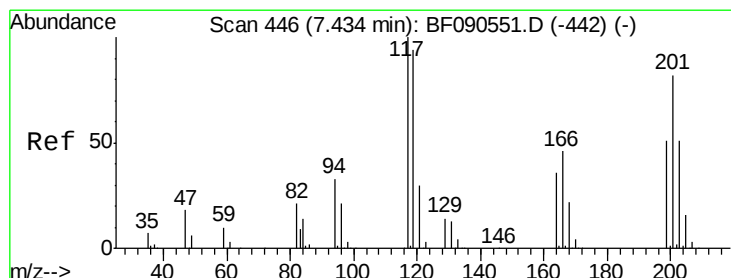
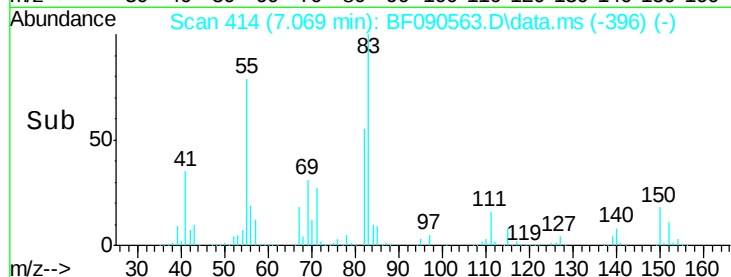
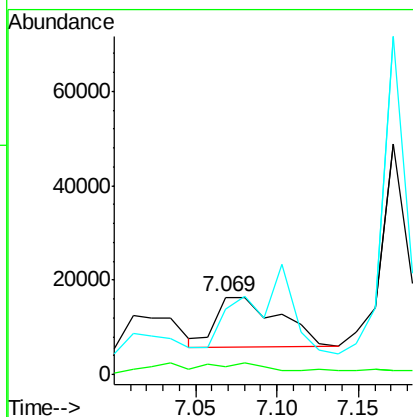
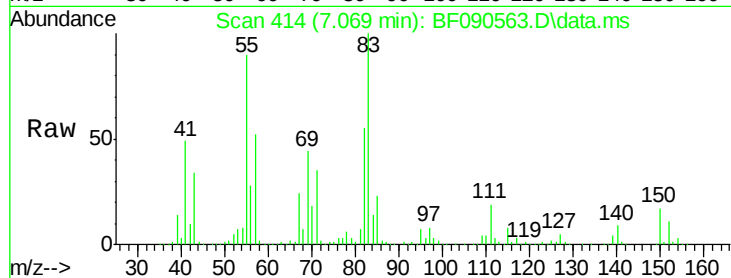
Tot Ion: 79 Resp: 28395

Ion Ratio Lower Upper

79 100

108 10.1 60.2 90.4#

77 84.6 52.0 78.0#



#18

Hexachloroethane

Concen: 166.32 ng

RT: 7.492 min Scan# 451

Delta R.T. 0.057 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

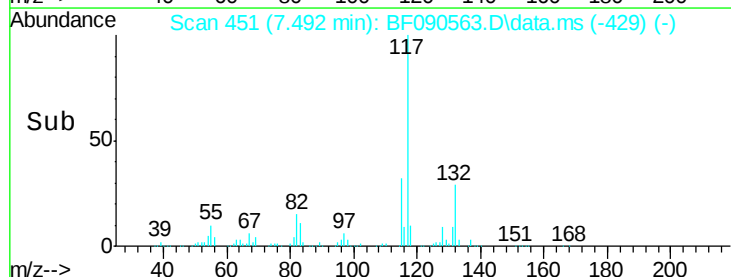
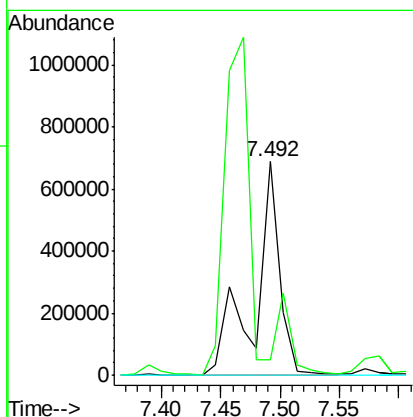
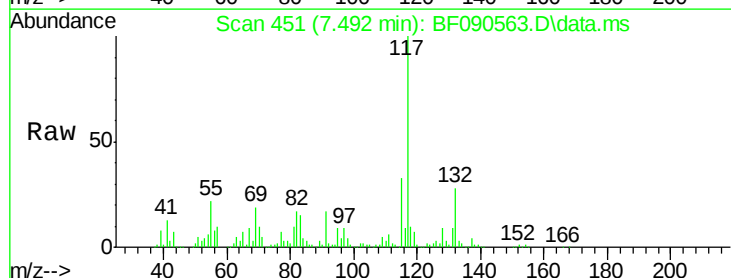
Tgt Ion: 117 Resp: 1001169

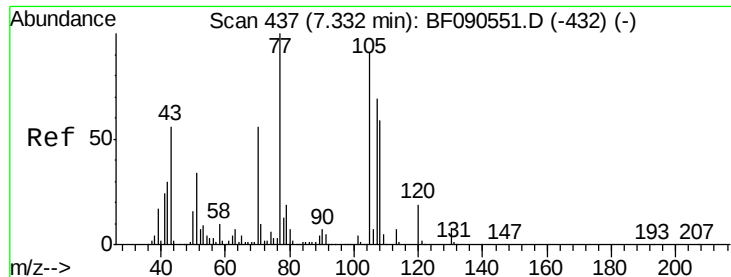
Ion Ratio Lower Upper

117 100

119 7.1 75.6 113.4#

201 0.0 65.4 98.0#

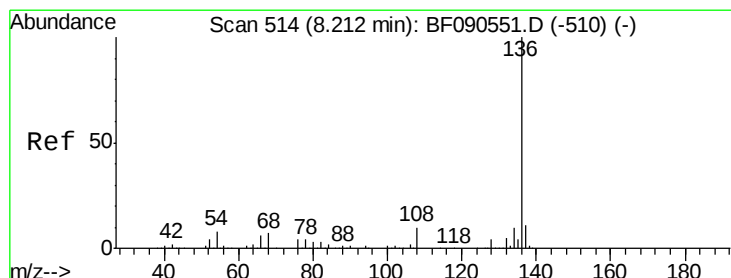
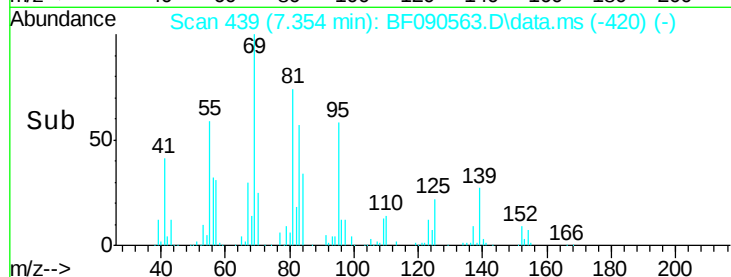
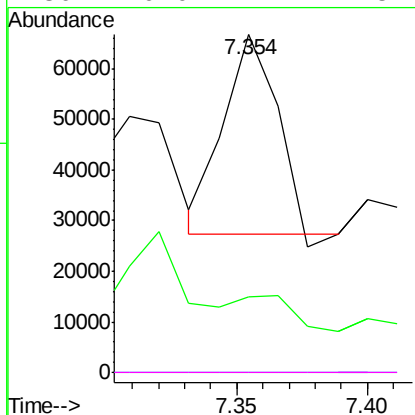
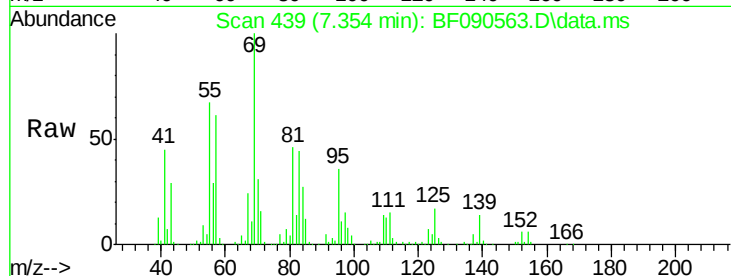




#19  
n-Nitroso-di-n-propylamine  
Concen: 5.03 ng  
RT: 7.354 min Scan# 437  
Delta R.T. 0.023 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

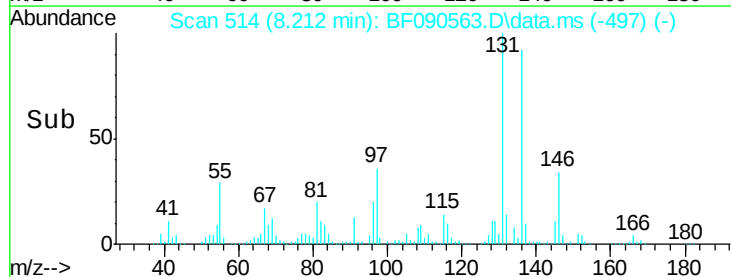
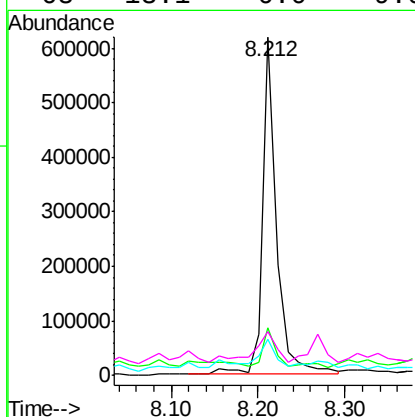
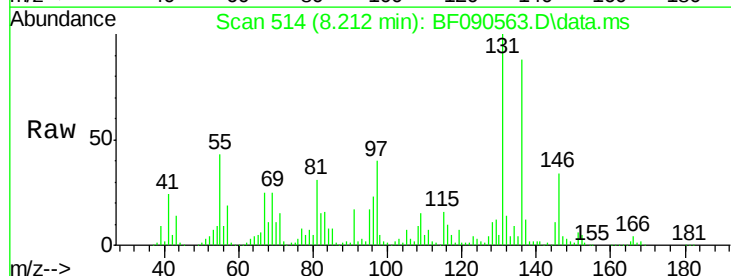
Instrument :  
BNA\_F  
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MJSB-17(6-8)DL

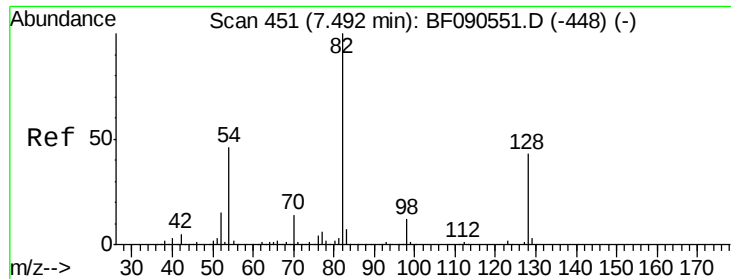
Tot Ion: 70 Resp: 55462  
Ion Ratio Lower Upper  
70 100  
42 22.2 43.4 65.0#  
101 0.0 6.4 9.6#  
130 0.0 12.1 18.1#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.212 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

Tgt Ion: 136 Resp: 706127  
Ion Ratio Lower Upper  
136 100  
137 13.9 8.8 13.2#  
54 10.7 6.8 10.2#  
68 13.1 6.0 9.0#

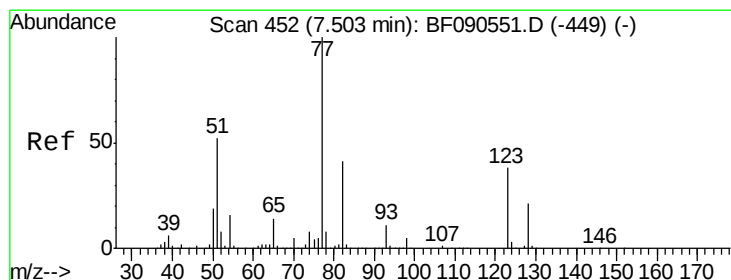
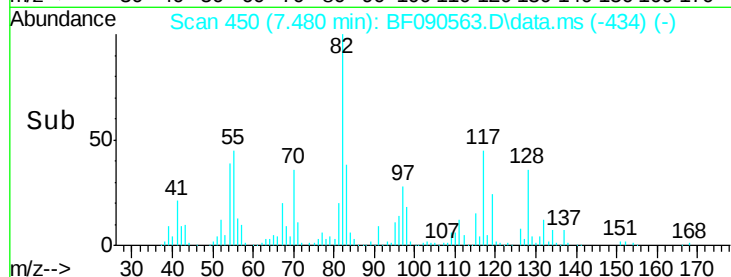
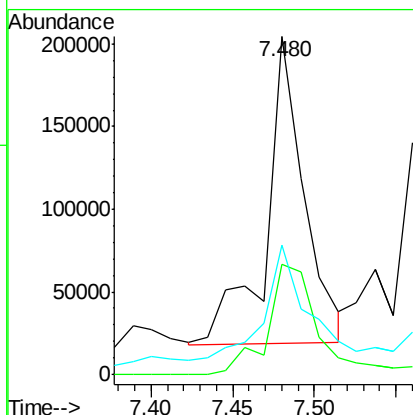
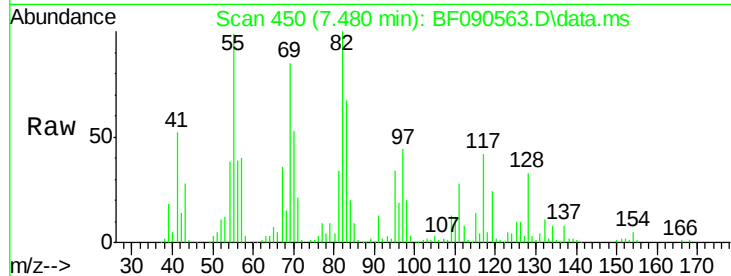




#23  
Nitrobenzene-d5  
Concen: 23.83 ng  
RT: 7.480 min Scan# 45  
Delta R.T. -0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

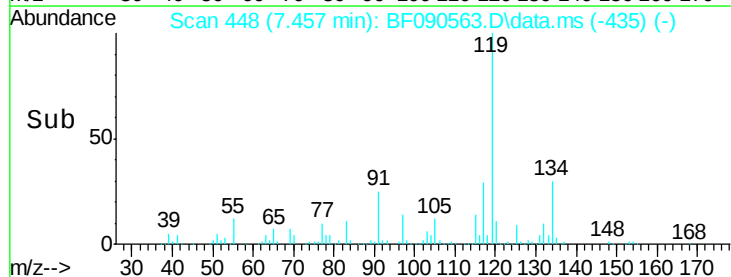
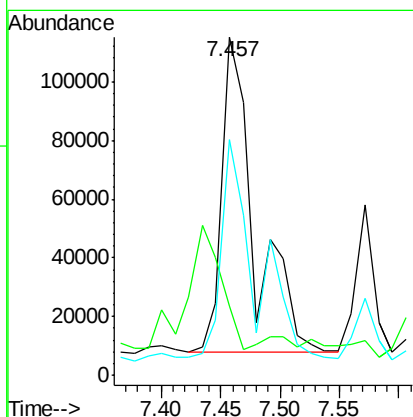
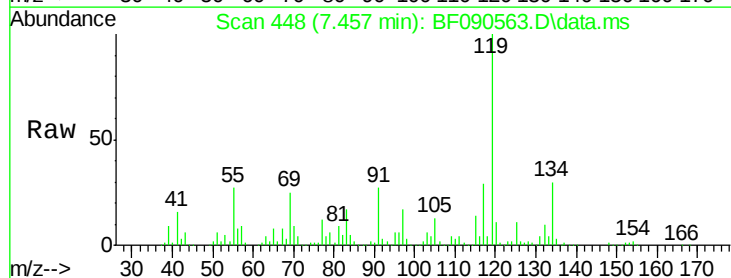
Instrument :  
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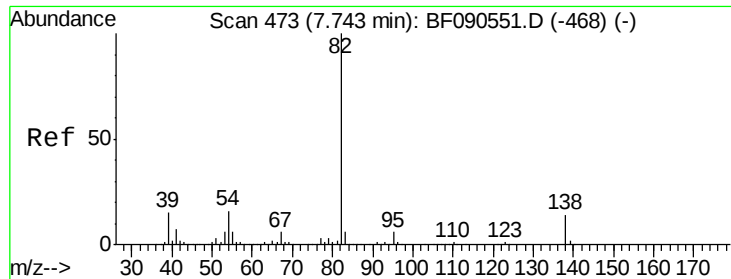
| Tot Ion   | 82   | Resp  | 302931 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 32.5 | 34.3  | 51.5#  |
| 54        | 38.2 | 37.0  | 55.6   |



#24  
Nitrobenzene  
Concen: 15.74 ng  
RT: 7.457 min Scan# 448  
Delta R.T. -0.046 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

| Tgt Ion   | 77   | Resp  | 205293 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 20.6 | 29.8  | 44.6#  |
| 65        | 69.7 | 10.9  | 16.3#  |





#25

Isophorone

Concen: 10.08 ng

RT: 7.743 min Scan# 47

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

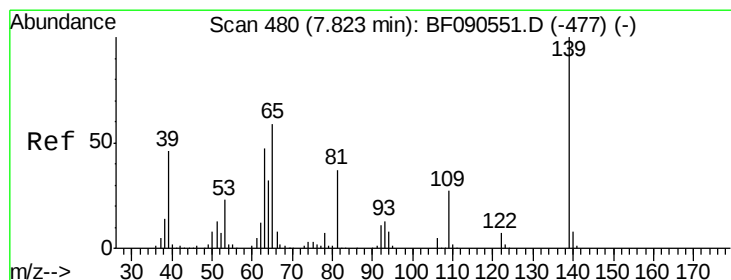
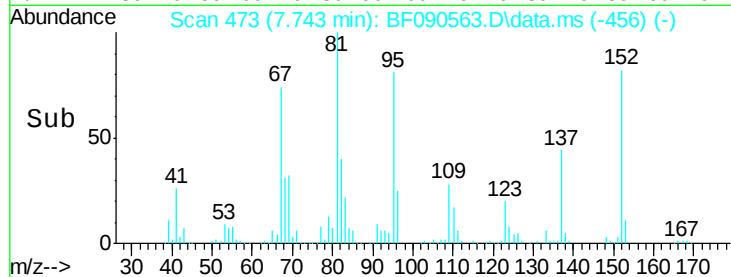
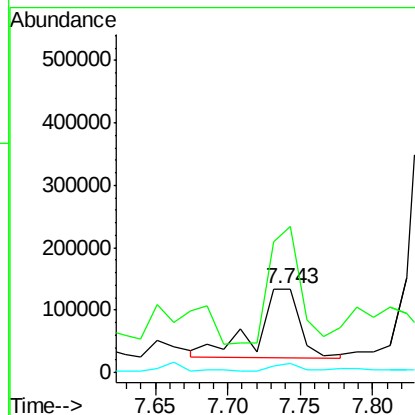
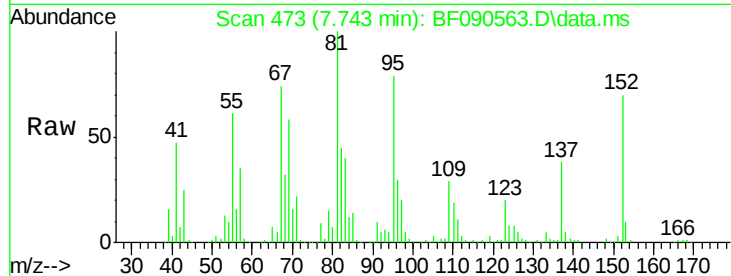
Tot Ion: 82 Resp: 233306

Ion Ratio Lower Upper

82 100

95 173.8 5.0 7.6#

138 10.4 11.5 17.3#



#26

2-Nitrophenol

Concen: 2.61 ng

RT: 7.835 min Scan# 481

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

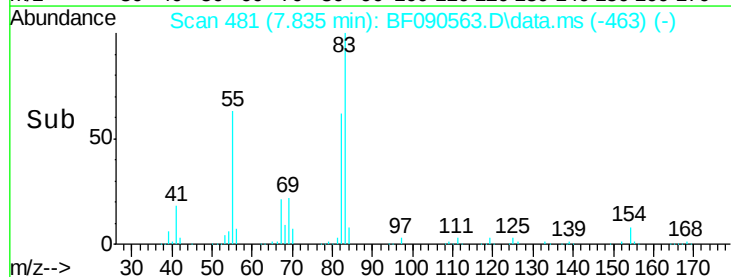
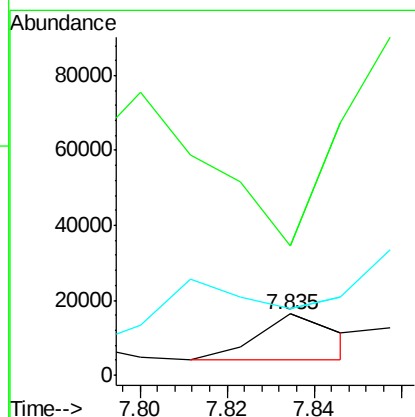
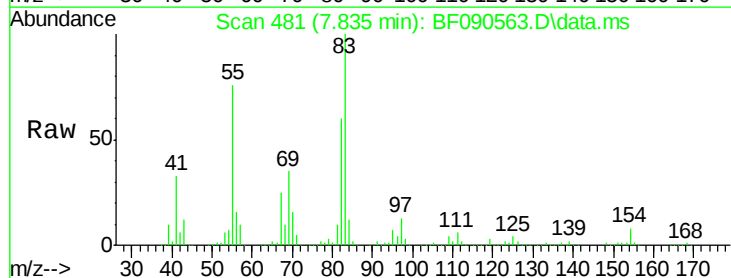
Tgt Ion: 139 Resp: 15461

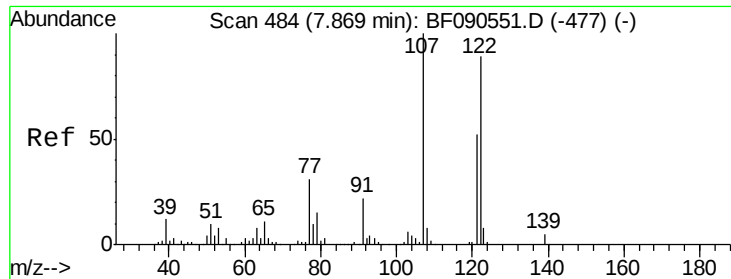
Ion Ratio Lower Upper

139 100

109 210.4 21.8 32.6#

65 107.9 47.7 71.5#





#27

2,4-Dimethylphenol

Concen: 3.24 ng

RT: 7.869 min Scan# 48

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

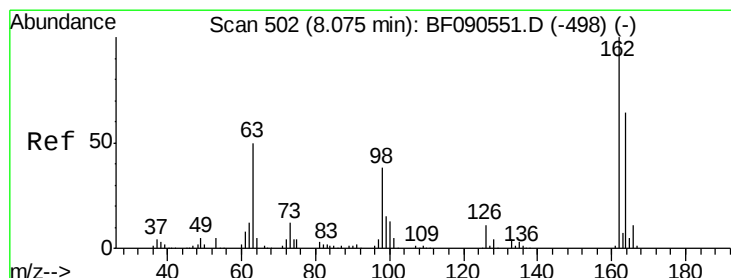
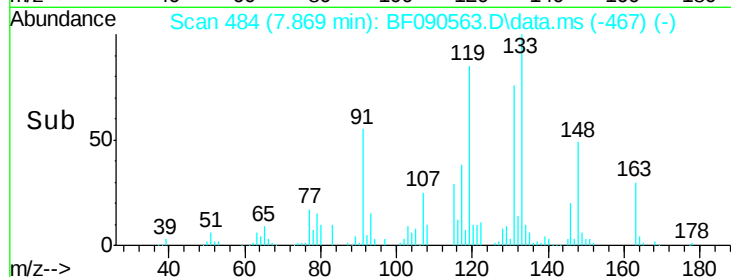
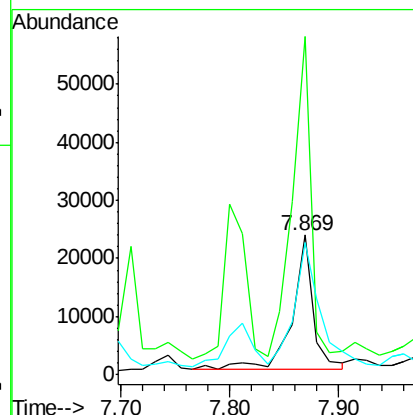
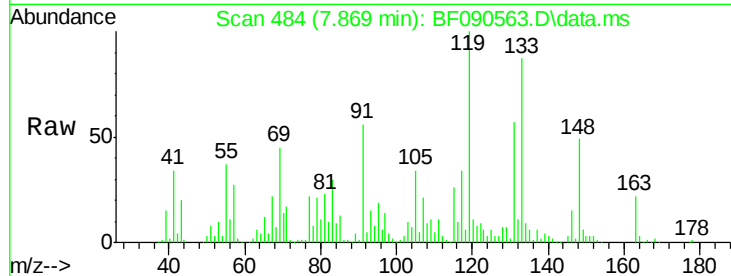
Tot Ion:122 Resp: 31854

Ion Ratio Lower Upper

122 100

107 242.5 89.8 134.6#

121 94.7 46.1 69.1#



#29

2,4-Dichlorophenol

Concen: 3.24 ng

RT: 8.052 min Scan# 500

Delta R.T. -0.023 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

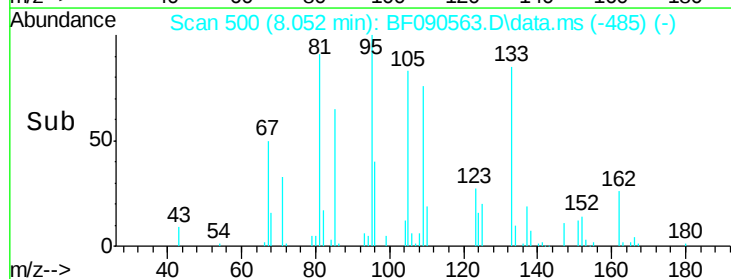
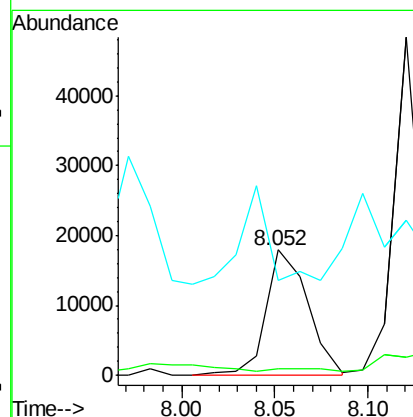
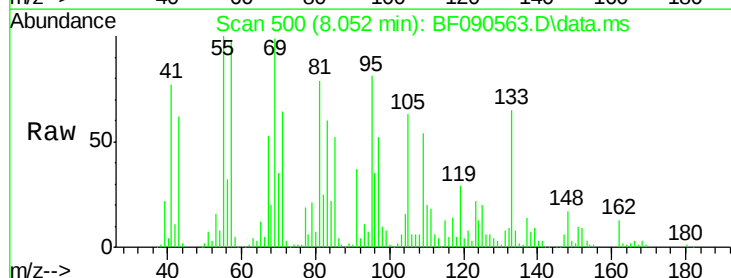
Tgt Ion:162 Resp: 27871

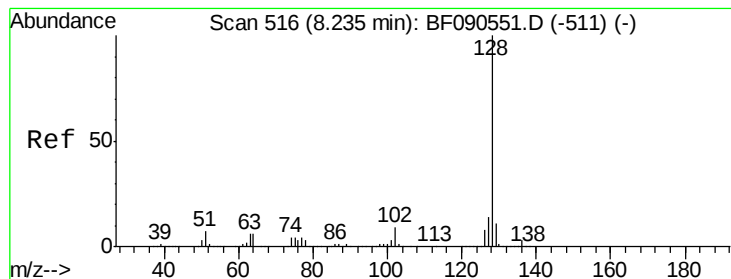
Ion Ratio Lower Upper

162 100

164 4.7 44.0 84.0#

98 75.8 18.0 58.0#





#31

Naphthalene

Concen: 5.15 ng

RT: 8.235 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

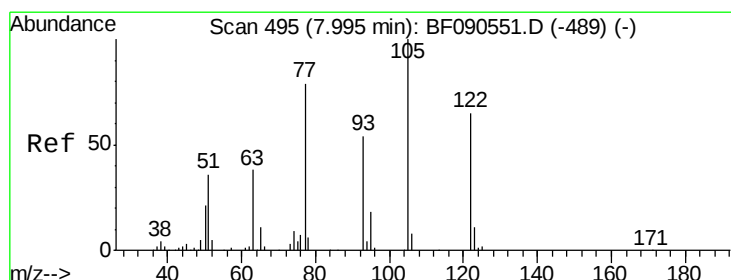
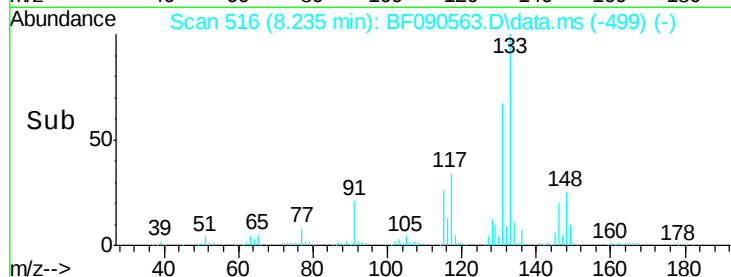
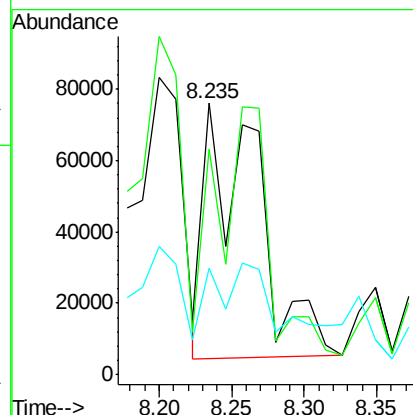
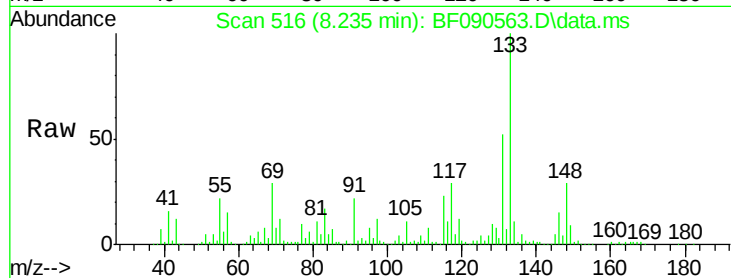
Tot Ion:128 Resp: 185371

Ion Ratio Lower Upper

128 100

129 83.3 9.0 13.6#

127 39.2 10.8 16.2#



#32

Benzoic acid

Concen: 3.40 ng

RT: 8.006 min Scan# 496

Delta R.T. 0.012 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

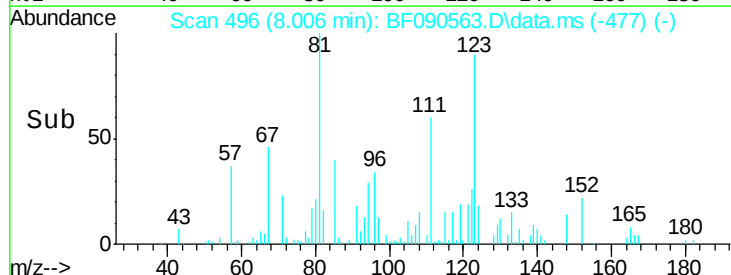
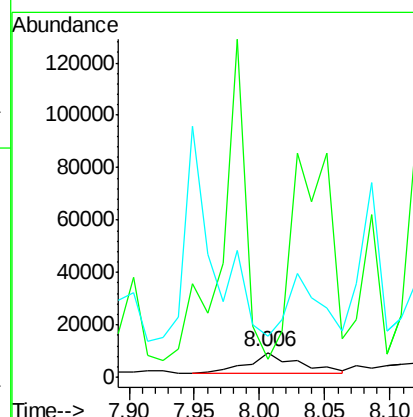
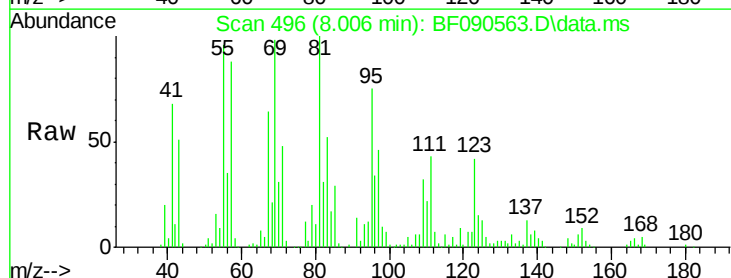
Tgt Ion:122 Resp: 20480

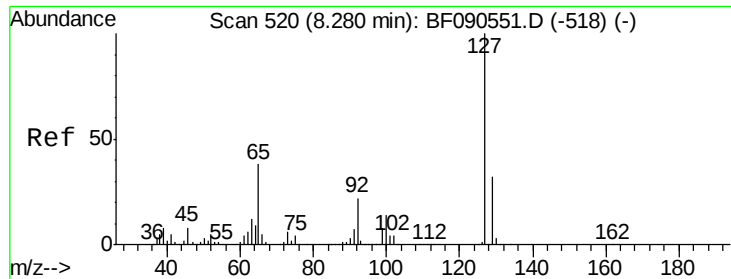
Ion Ratio Lower Upper

122 100

105 73.8 101.1 141.1#

77 169.1 84.7 124.7#

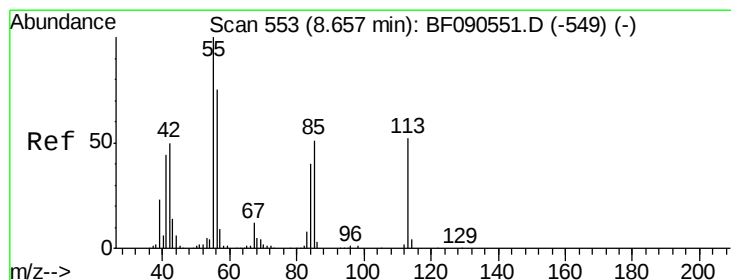
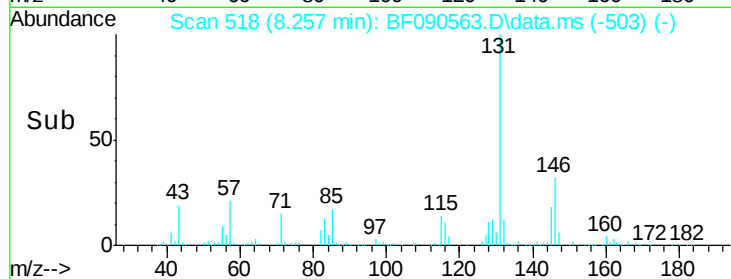
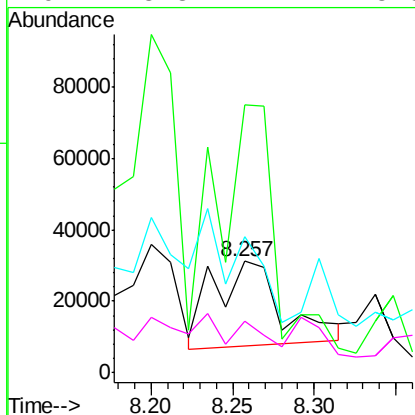
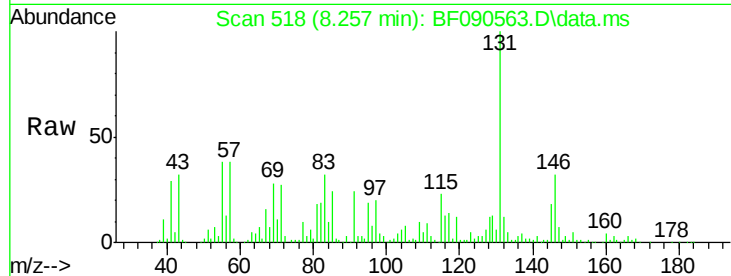




#33  
4-Chloroaniline  
Concen: 5.15 ng  
RT: 8.257 min Scan# 51  
Delta R.T. -0.023 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

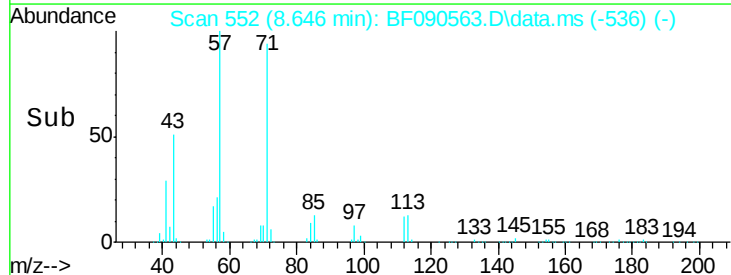
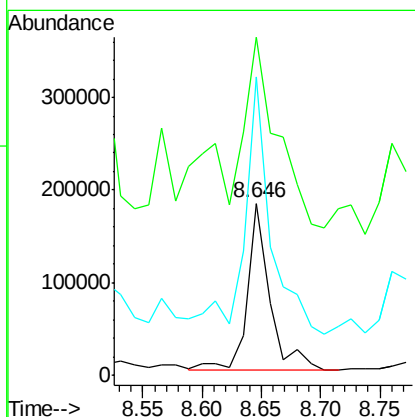
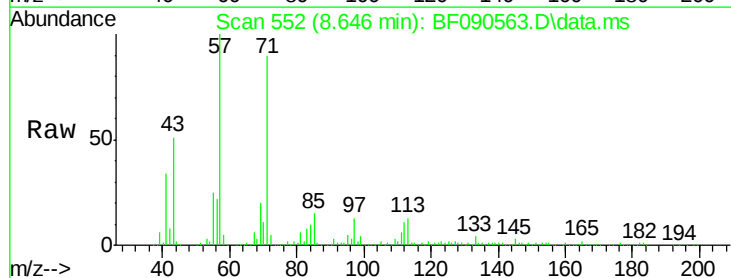
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

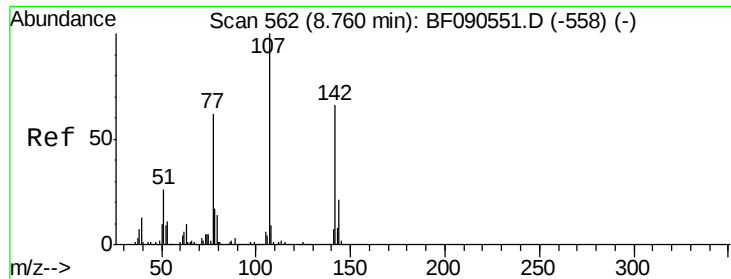
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 70779       |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 240.8 | 26.2 39.2#  |
| 65          | 122.8 | 30.1 45.1#  |
| 92          | 45.8  | 17.2 25.8#  |



#35  
Caprolactam  
Concen: 98.88 ng  
RT: 8.646 min Scan# 552  
Delta R.T. -0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

|             |       |              |
|-------------|-------|--------------|
| Tgt Ion:113 | Resp: | 237397       |
| Ion         | Ratio | Lower Upper  |
| 113         | 100   |              |
| 55          | 196.2 | 170.8 210.8  |
| 56          | 173.2 | 122.4 162.4# |

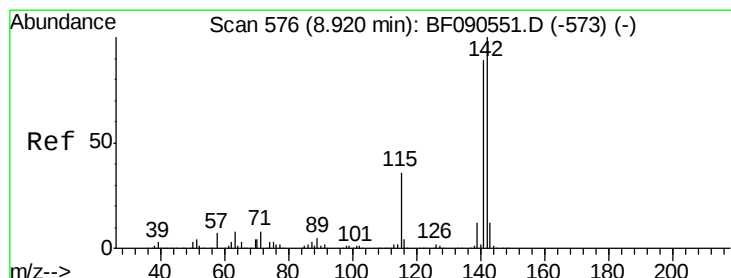
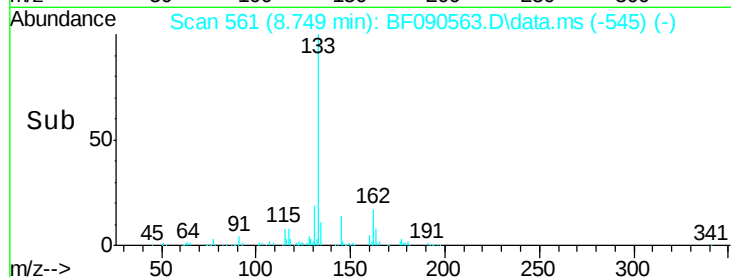
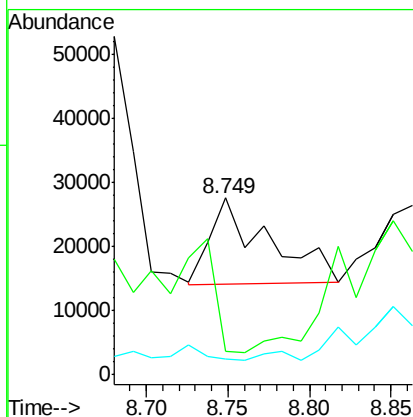
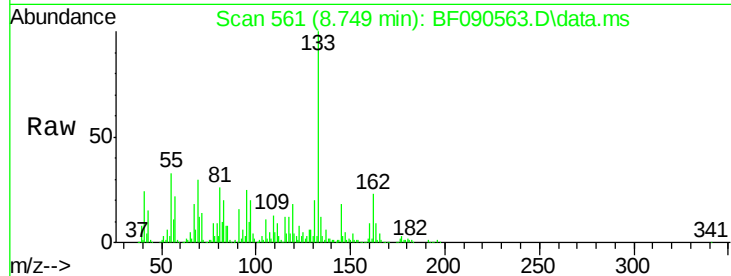




#36  
4-Chloro-3-methylphenol  
Concen: 3.31 ng  
RT: 8.749 min Scan# 561  
Delta R.T. -0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

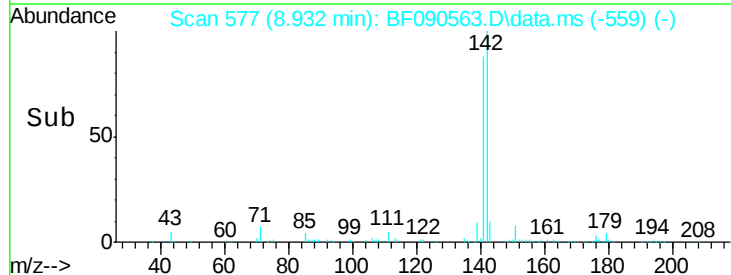
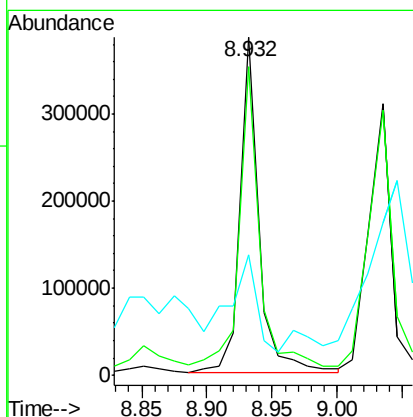
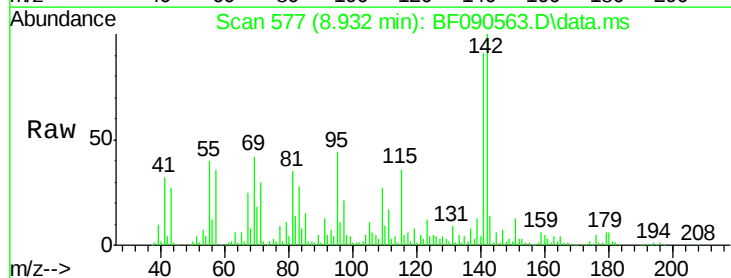
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

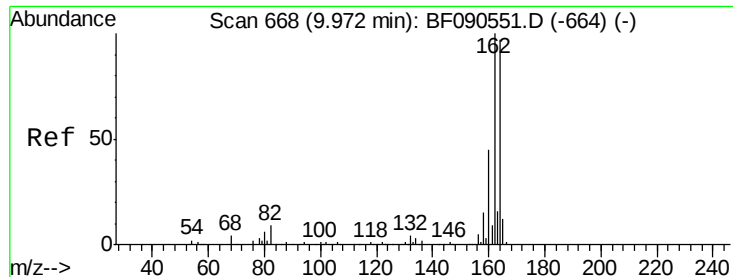
Tot Ion:107 Resp: 32815  
Ion Ratio Lower Upper  
107 100  
144 13.3 16.9 25.3#  
142 8.6 52.5 78.7#



#37  
2-Methylnaphthalene  
Concen: 17.95 ng  
RT: 8.932 min Scan# 577  
Delta R.T. 0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

Tgt Ion:142 Resp: 379271  
Ion Ratio Lower Upper  
142 100  
141 91.1 71.3 106.9  
115 35.5 28.8 43.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.983 min Scan# 66

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

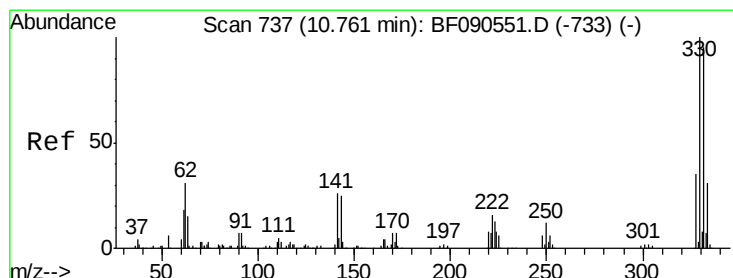
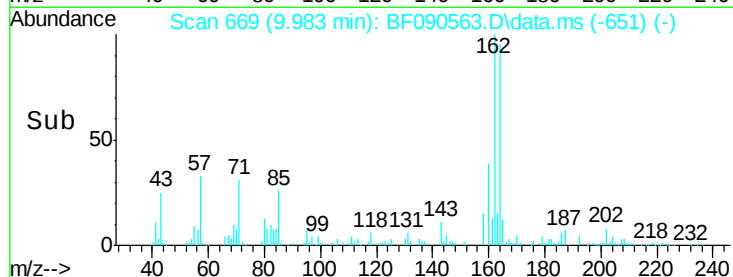
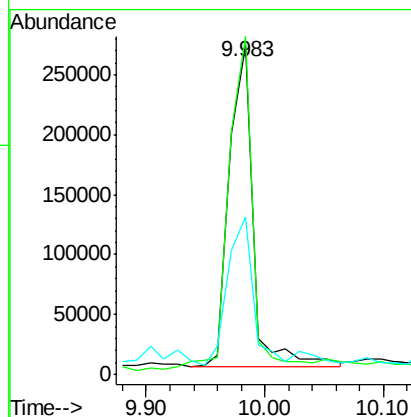
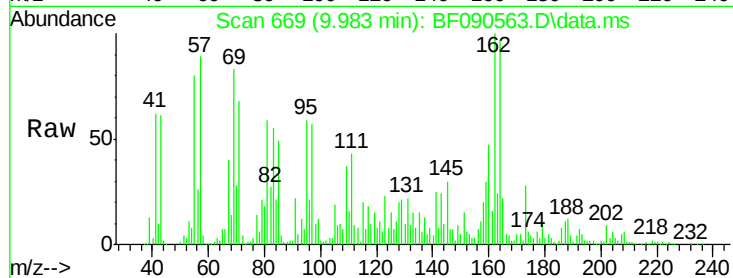
Tot Ion:164 Resp: 373363

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.4

160 47.8 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 34.99 ng

RT: 10.772 min Scan# 738

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

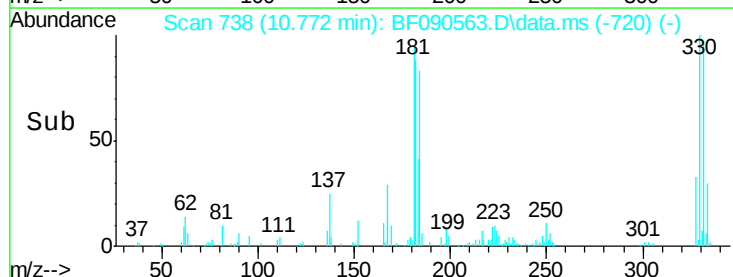
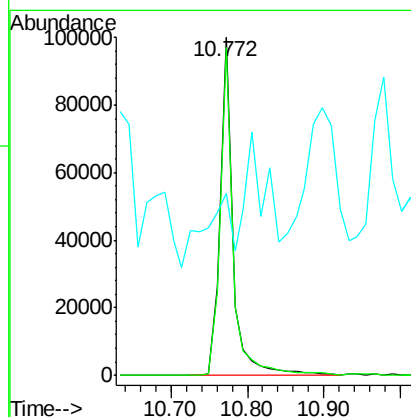
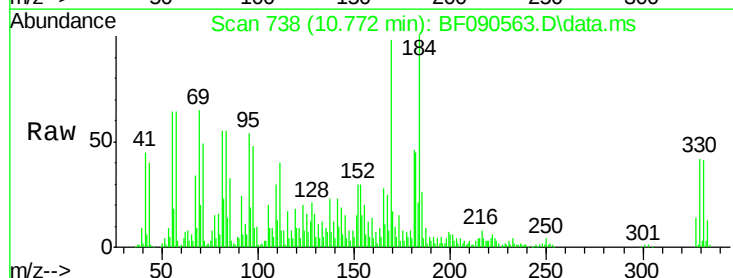
Tgt Ion:330 Resp: 116466

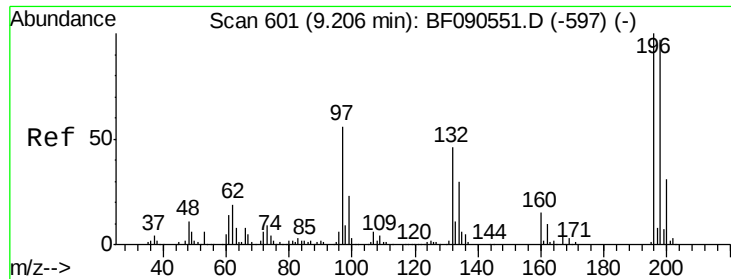
Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.2

141 44.3 31.4 47.2

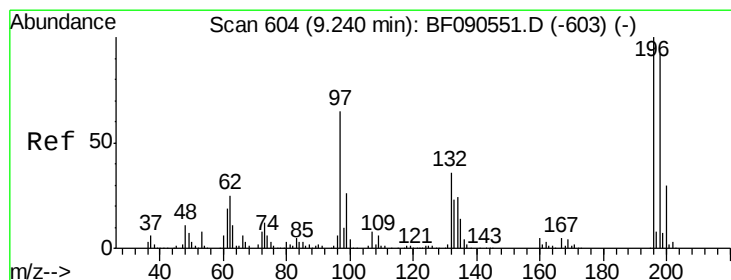
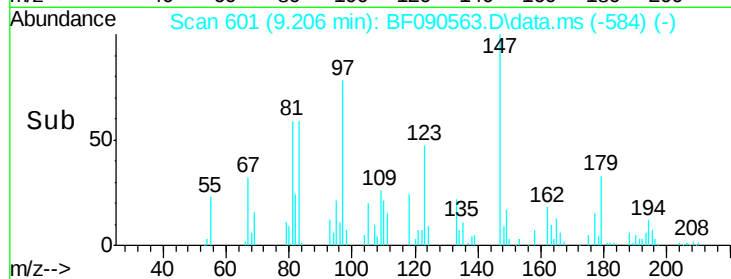
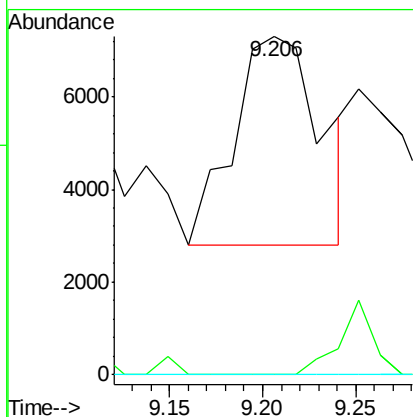
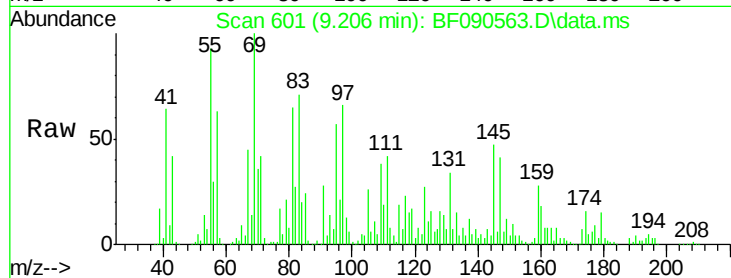




#42  
2,4,6-Trichlorophenol  
Concen: 2.63 ng  
RT: 9.206 min Scan# 601  
Delta R.T. 0.000 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

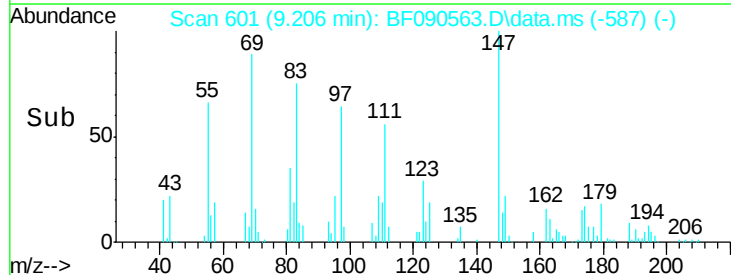
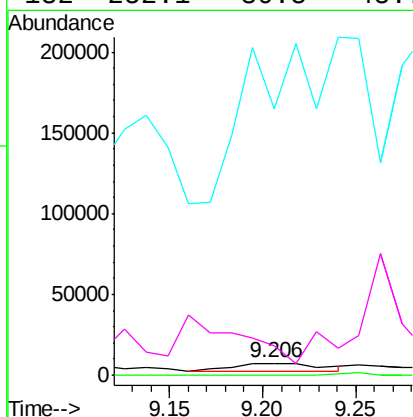
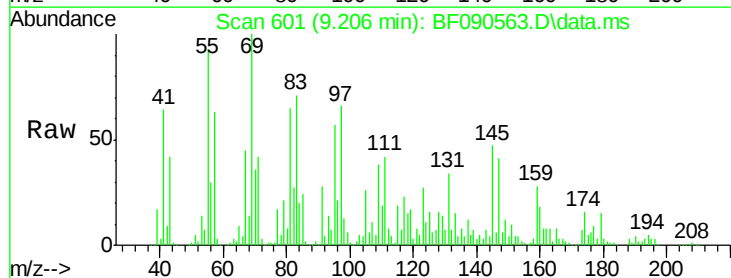
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

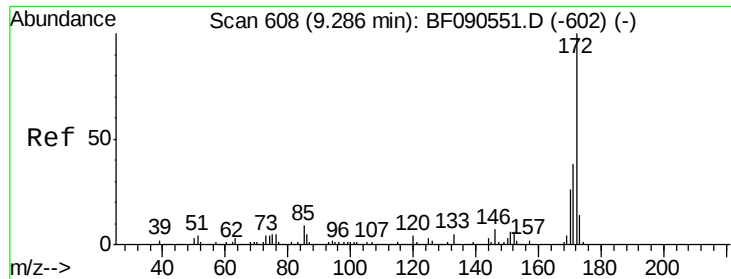
Tot Ion:196 Resp: 14673  
Ion Ratio Lower Upper  
196 100  
198 0.0 77.9 116.9#  
200 0.0 25.1 37.7#



#43  
2,4,5-Trichlorophenol  
Concen: 2.20 ng  
RT: 9.206 min Scan# 601  
Delta R.T. -0.034 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

Tgt Ion:196 Resp: 14673  
Ion Ratio Lower Upper  
196 100  
198 0.0 74.0 111.0#  
97 2258.3 54.7 82.1#  
132 252.1 30.5 45.7#





#44

2-Fluorobiphenyl

Concen: 18.37 ng

RT: 9.298 min Scan# 60

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

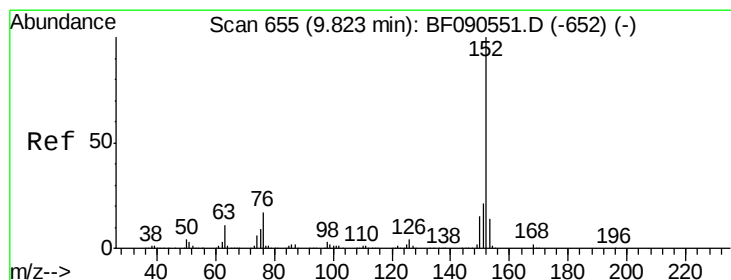
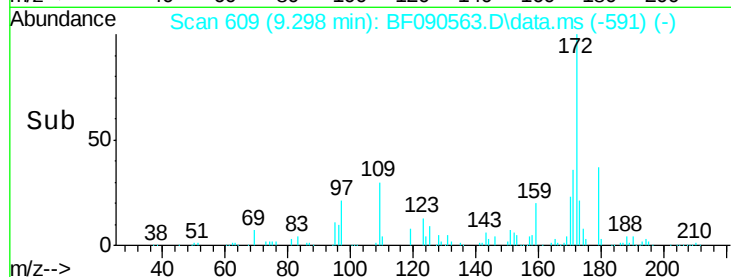
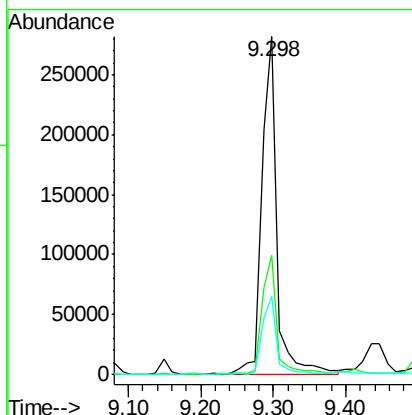
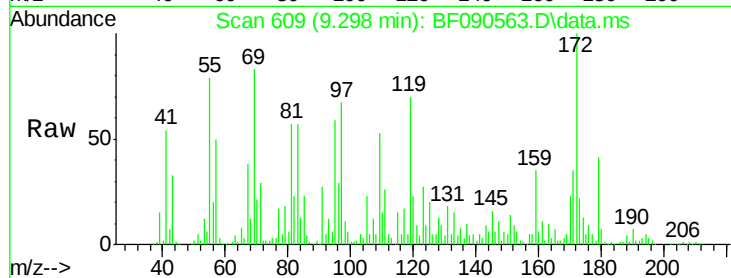
Tot Ion:172 Resp: 416240

Ion Ratio Lower Upper

172 100

171 35.3 30.1 45.1

170 23.1 20.6 30.8



#48

Acenaphthylene

Concen: 2.80 ng

RT: 9.835 min Scan# 656

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

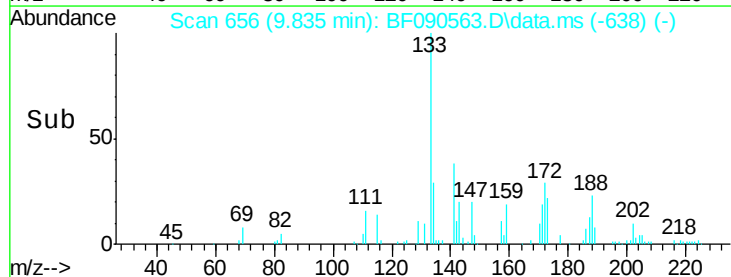
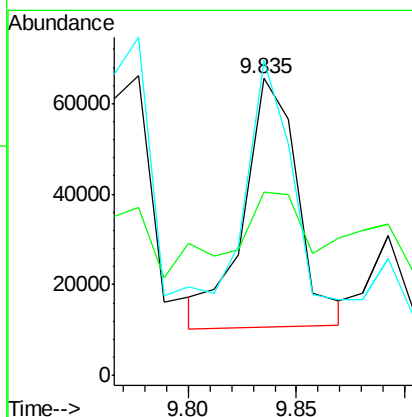
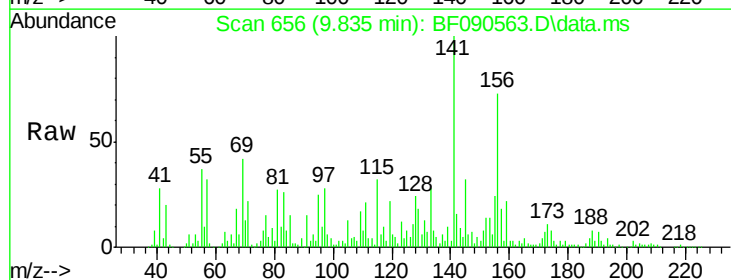
Tgt Ion:152 Resp: 94514

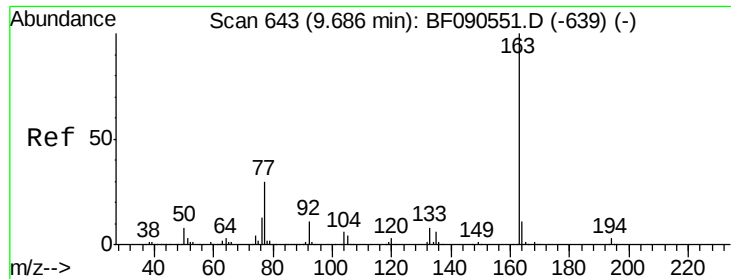
Ion Ratio Lower Upper

152 100

151 61.5 16.6 25.0#

153 106.3 11.3 16.9#





#49

Dimethylphthalate

Concen: 4.85 ng

RT: 9.686 min Scan# 643

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

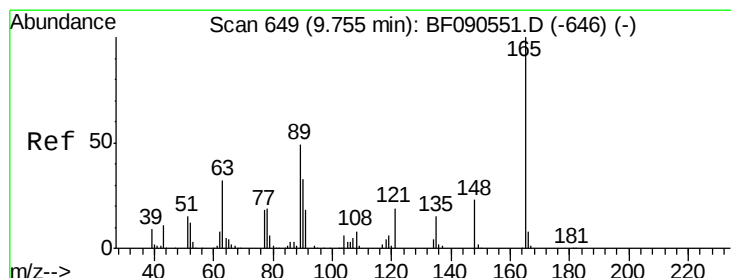
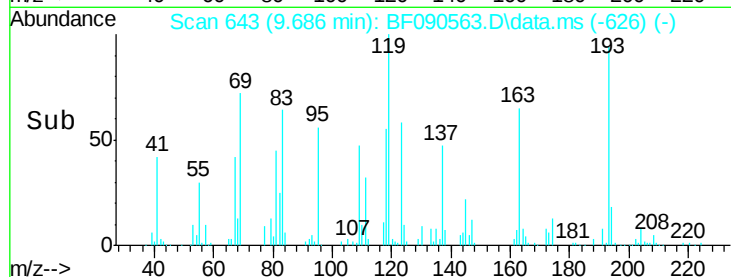
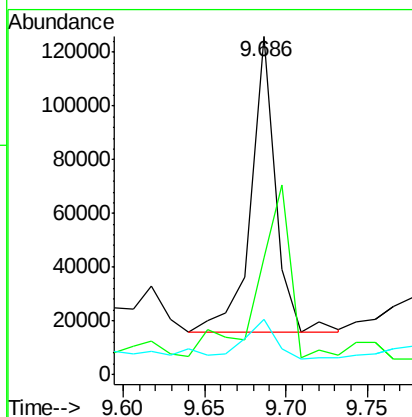
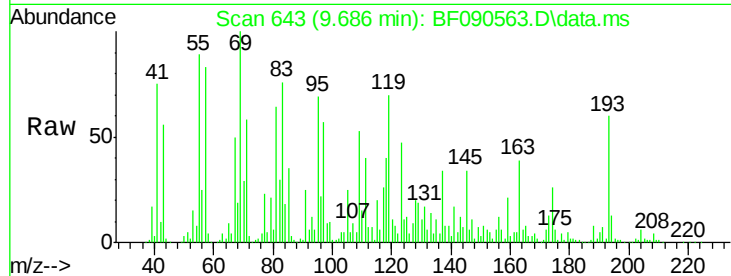
Tot Ion:163 Resp: 117603

Ion Ratio Lower Upper

163 100

194 34.4 2.3 3.5#

164 16.1 8.6 13.0#



#50

2,6-Dinitrotoluene

Concen: 8.28 ng

RT: 9.755 min Scan# 649

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

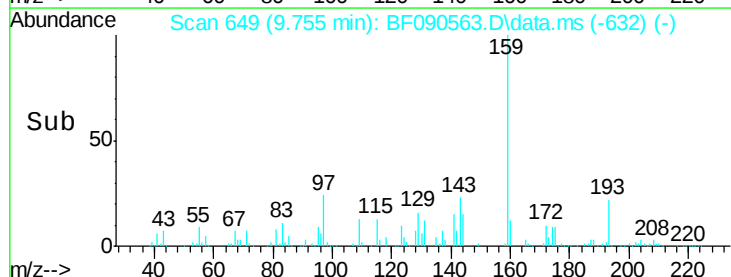
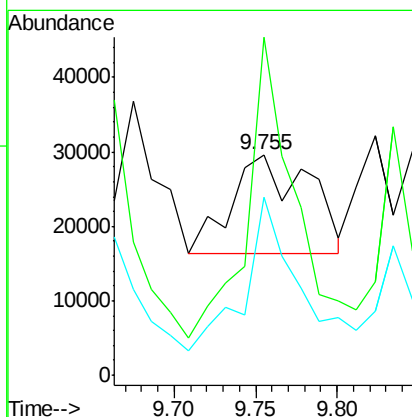
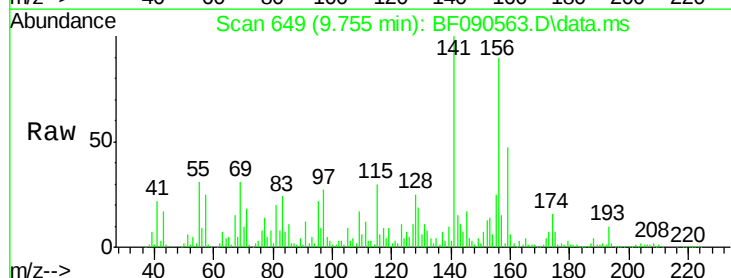
Tgt Ion:165 Resp: 43866

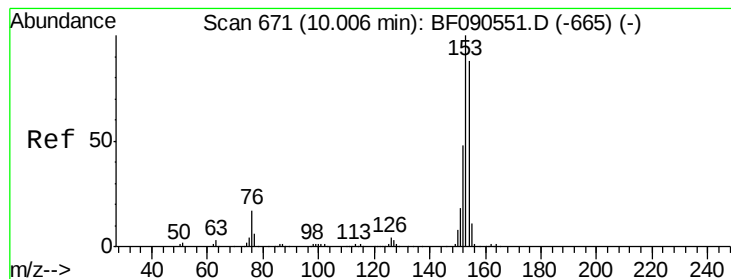
Ion Ratio Lower Upper

165 100

63 153.5 40.1 60.1#

89 80.6 39.5 59.3#





#51

Acenaphthene

Concen: 8.55 ng

RT: 10.006 min Scan# 671

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

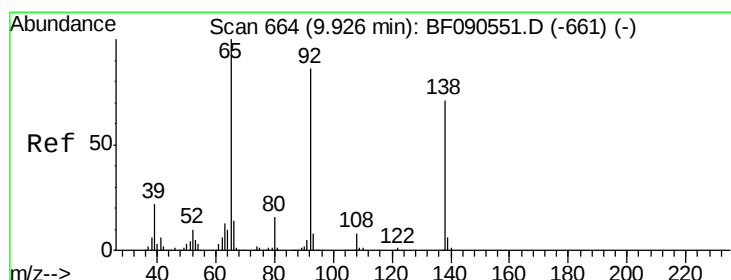
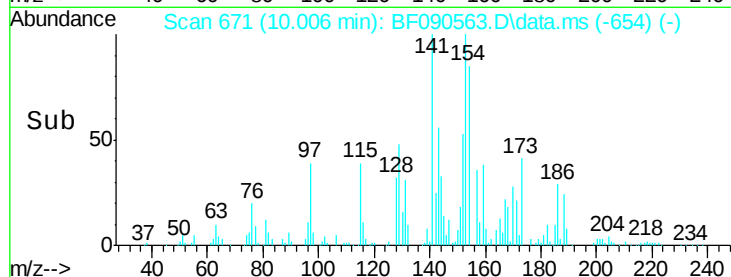
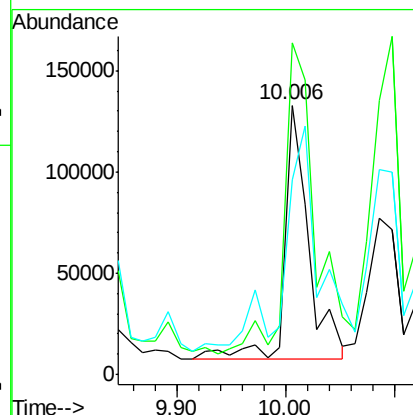
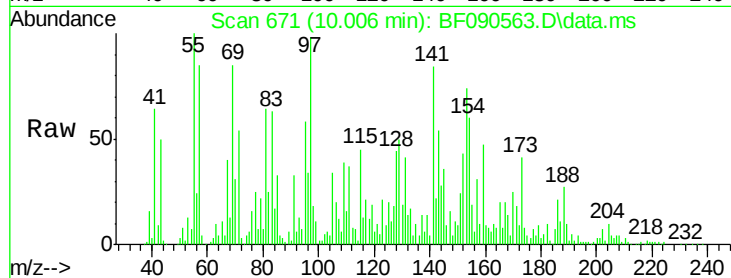
Tot Ion:154 Resp: 191801

Ion Ratio Lower Upper

154 100

153 122.9 91.2 136.8

152 72.3 44.0 66.0#



#52

3-Nitroaniline

Concen: 2.19 ng

RT: 9.926 min Scan# 664

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

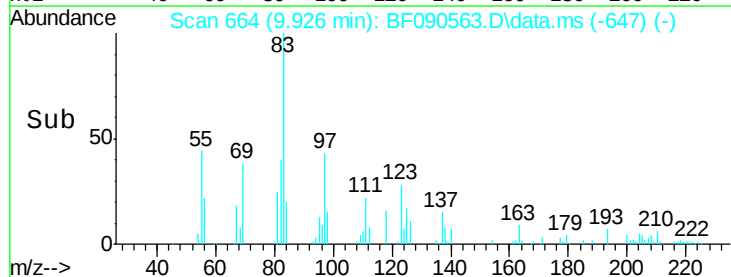
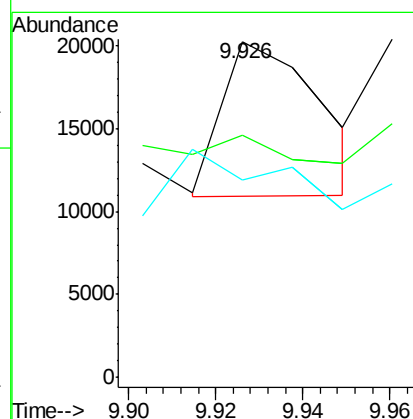
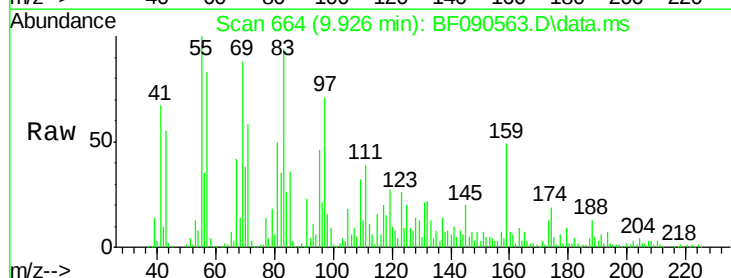
Tgt Ion:138 Resp: 14591

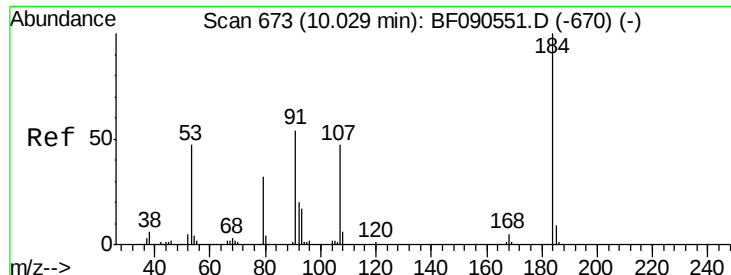
Ion Ratio Lower Upper

138 100

108 72.4 8.6 12.8#

92 58.7 97.8 146.8#

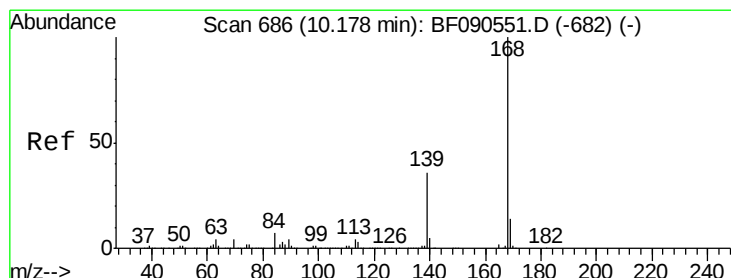
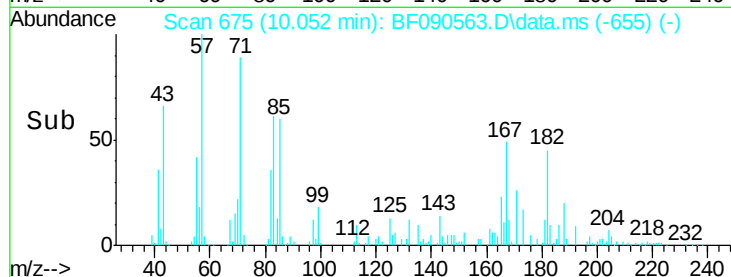
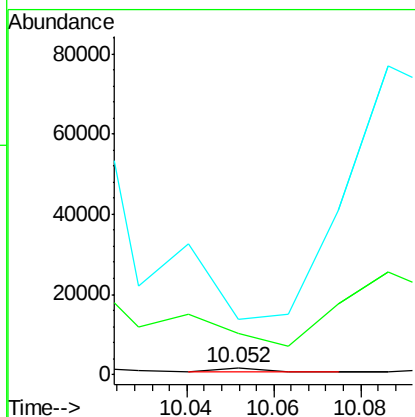
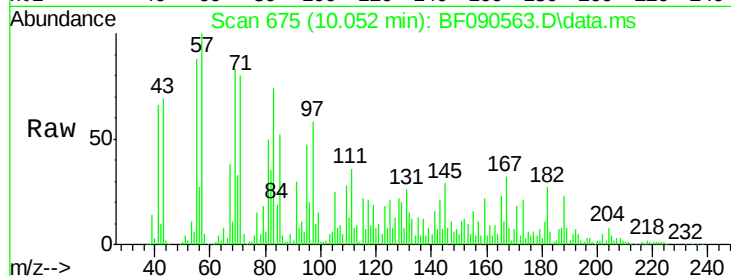




#53  
2,4-Dinitrophenol  
Concen: 5.99 ng  
RT: 10.052 min Scan# 67  
Delta R.T. 0.023 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

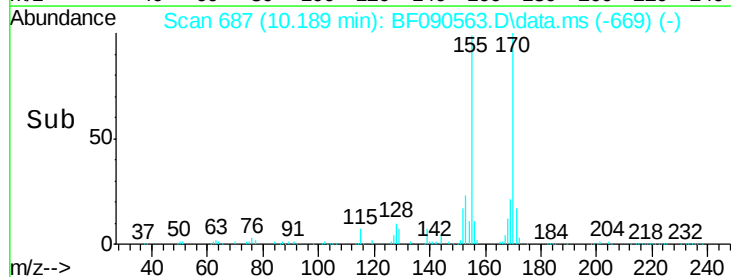
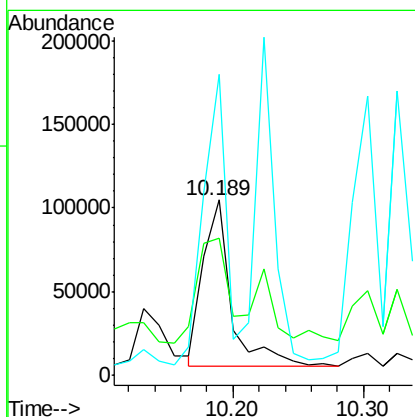
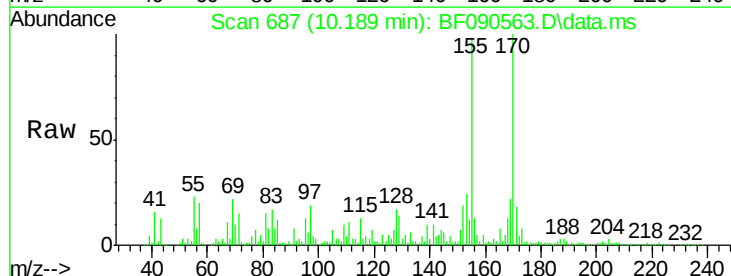
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

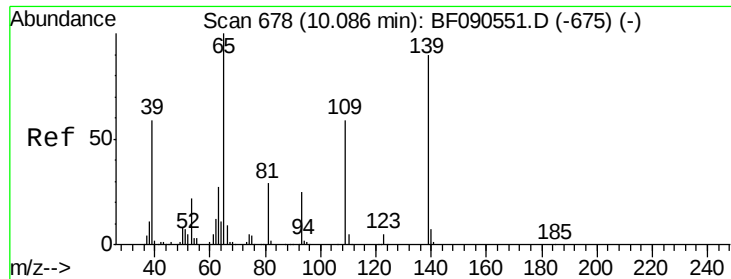
Tot Ion:184 Resp: 990  
Ion Ratio Lower Upper  
184 100  
63 588.4 60.2 90.2#  
154 792.4 86.1 129.1#



#54  
Dibenzofuran  
Concen: 5.14 ng  
RT: 10.189 min Scan# 687  
Delta R.T. 0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

Tgt Ion:168 Resp: 151584  
Ion Ratio Lower Upper  
168 100  
139 78.7 30.5 45.7#  
169 171.9 10.9 16.3#





#55

4-Nitrophenol

Concen: 22.08 ng

RT: 10.086 min Scan# 67

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

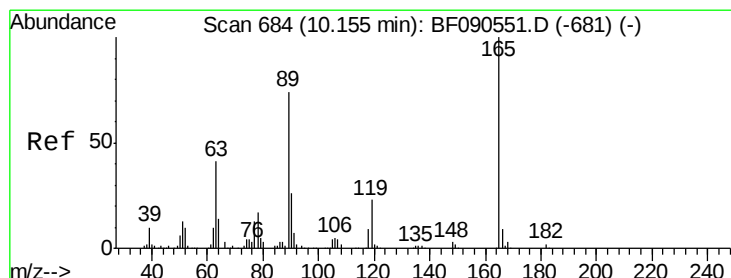
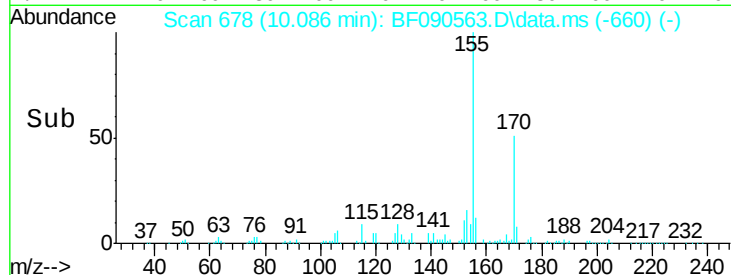
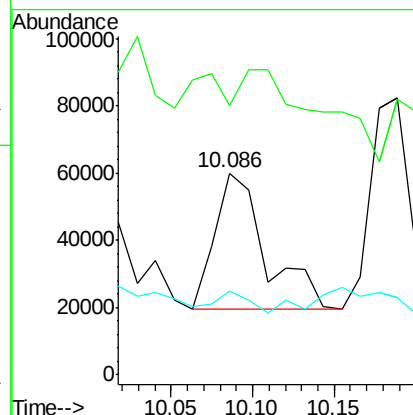
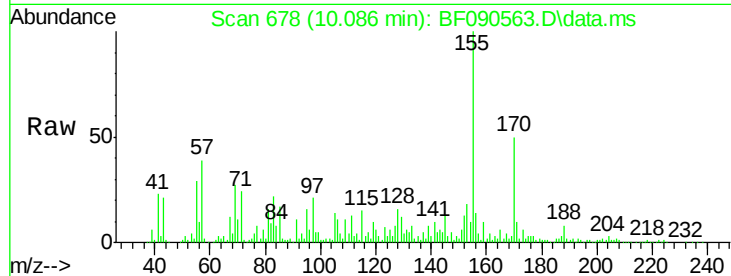
Tot Ion:139 Resp: 88396

Ion Ratio Lower Upper

139 100

109 133.3 45.9 85.9#

65 41.7 95.8 135.8#



#56

2,4-Dinitrotoluene

Concen: 7.49 ng

RT: 10.189 min Scan# 687

Delta R.T. 0.034 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Tgt Ion:165 Resp: 53920

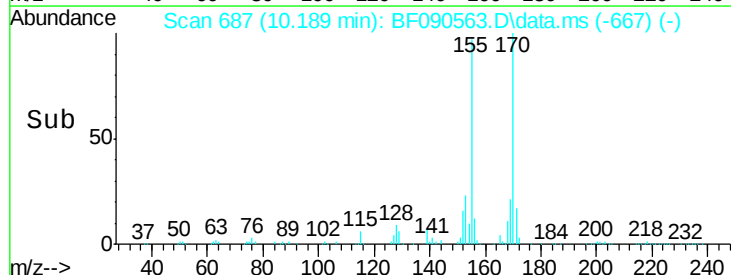
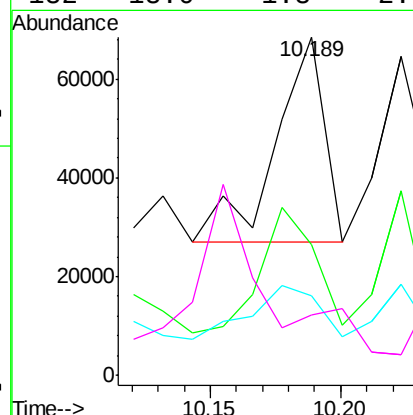
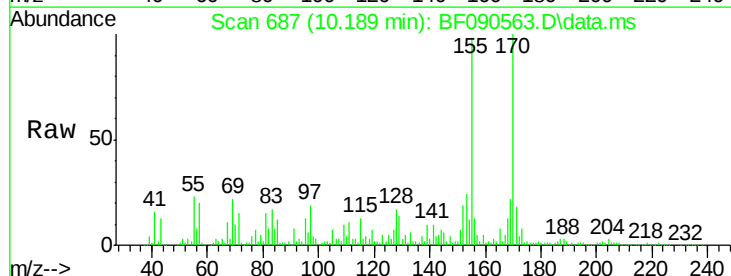
Ion Ratio Lower Upper

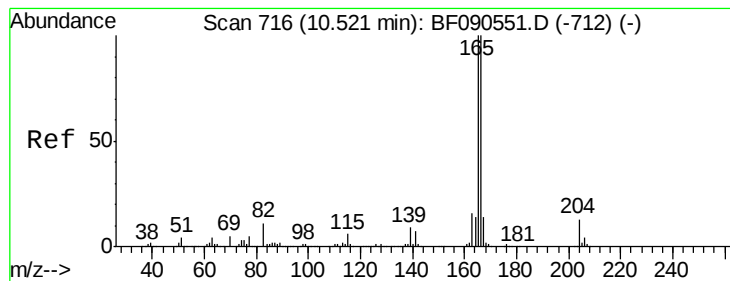
165 100

63 38.6 35.4 53.0

89 23.5 59.0 88.4#

182 18.0 1.8 2.6#





#57

Fluorene

Concen: 15.15 ng

RT: 10.532 min Scan# 71

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

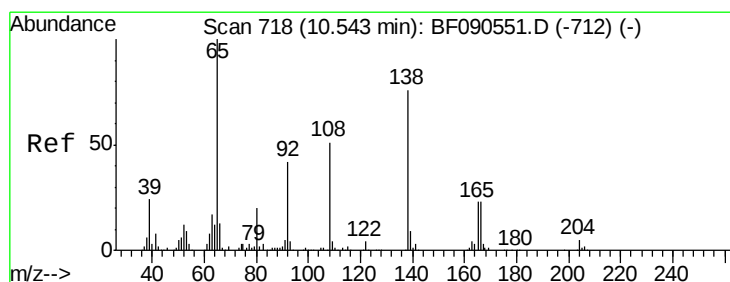
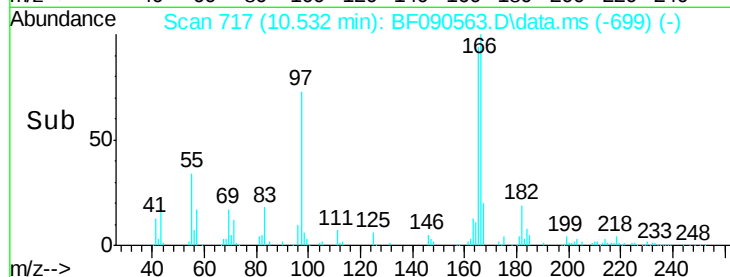
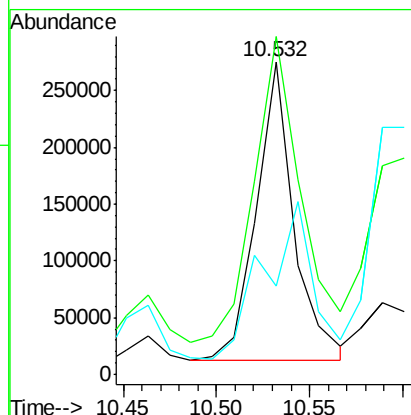
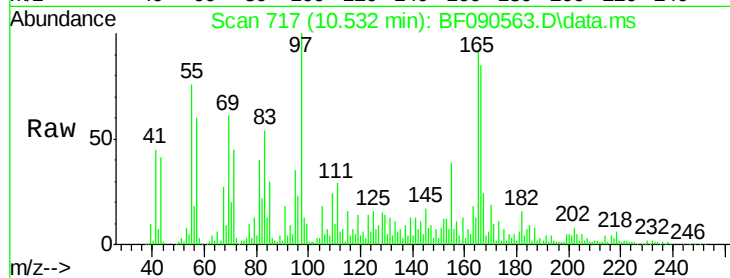
Tot Ion:166 Resp: 368549

Ion Ratio Lower Upper

166 100

165 108.0 79.9 119.9

167 28.1 10.9 16.3#



#61

4-Nitroaniline

Concen: 2.83 ng

RT: 10.441 min Scan# 709

Delta R.T. -0.103 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

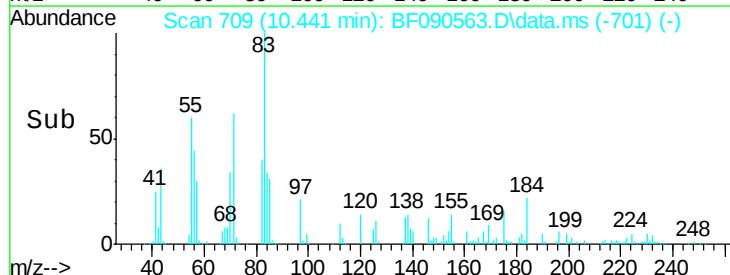
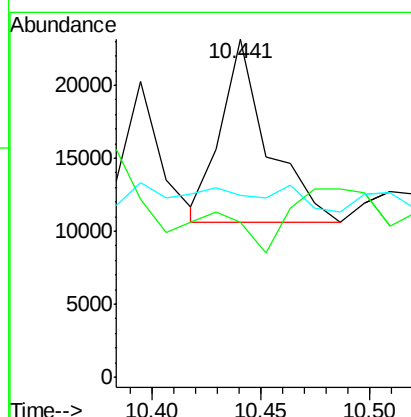
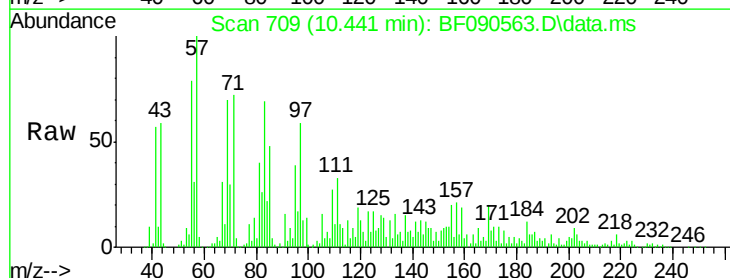
Tgt Ion:138 Resp: 18858

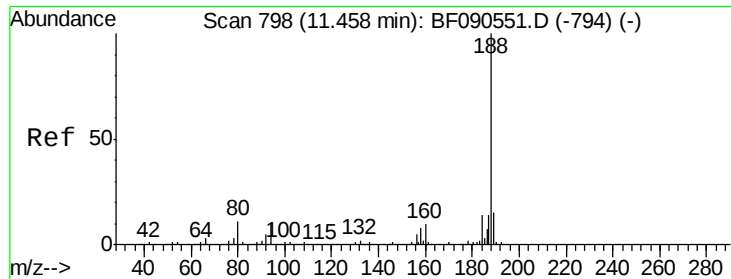
Ion Ratio Lower Upper

138 100

92 45.8 35.7 75.7

108 54.0 46.9 86.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.469 min Scan# 79

Delta R.T. 0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

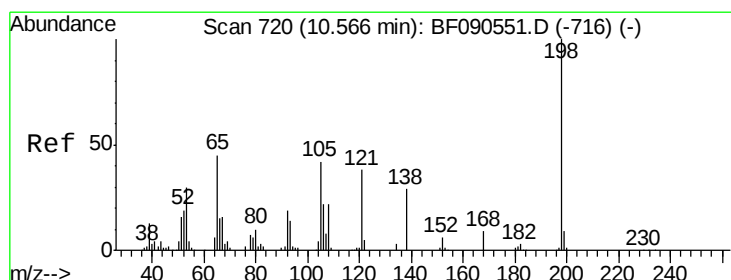
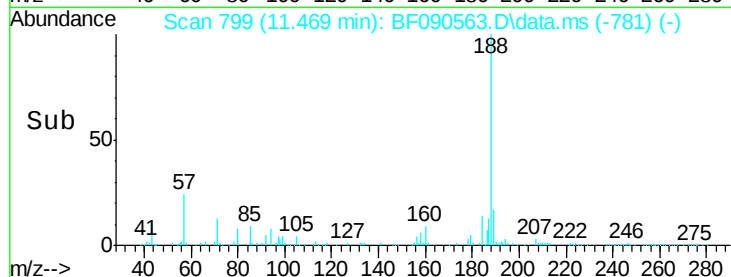
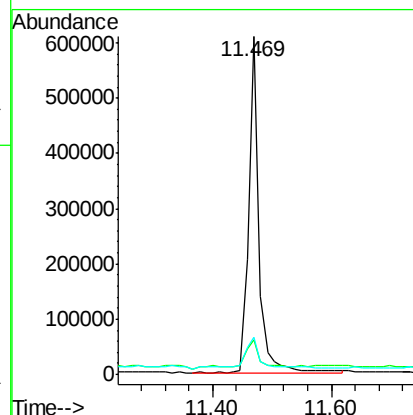
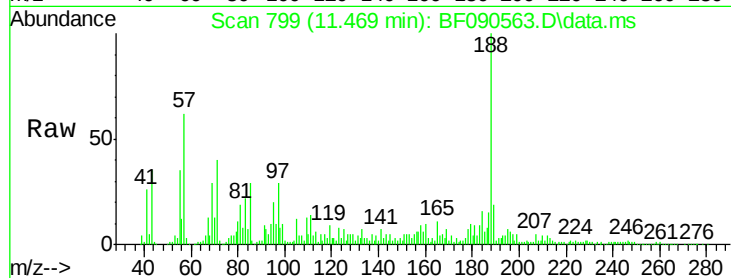
Tot Ion:188 Resp: 739241

Ion Ratio Lower Upper

188 100

94 10.4 7.7 11.5

80 10.9 8.6 12.8



#64

4,6-Dinitro-2-methylphenol

Concen: 2.10 ng

RT: 10.623 min Scan# 725

Delta R.T. 0.057 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

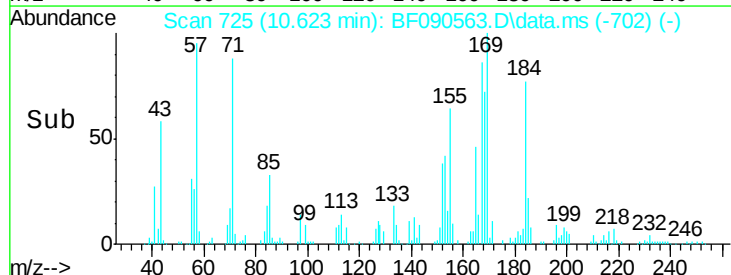
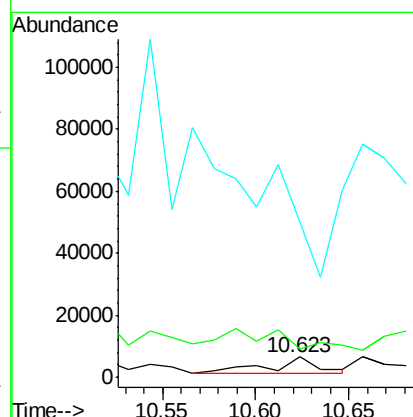
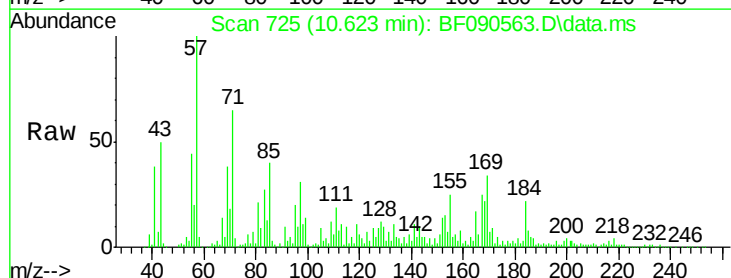
Tgt Ion:198 Resp: 9416

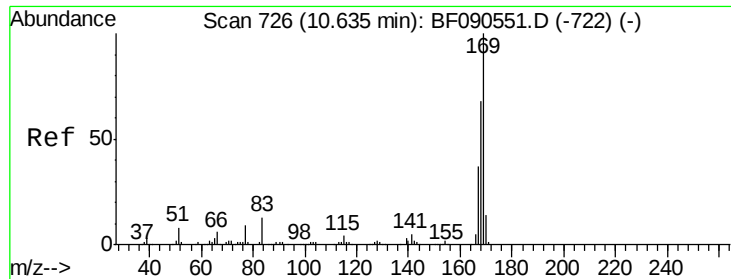
Ion Ratio Lower Upper

198 100

51 141.7 19.7 59.7#

105 769.5 22.6 62.6#

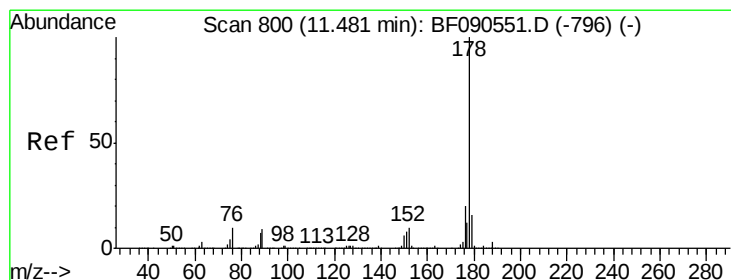
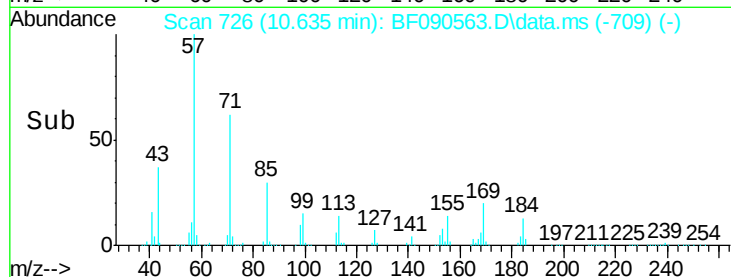
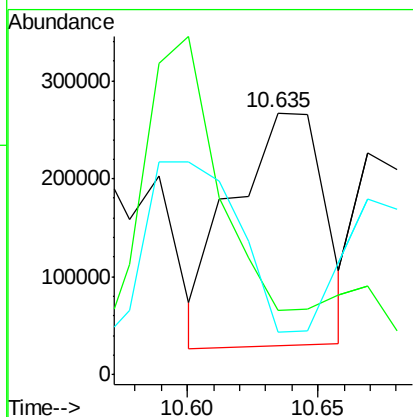
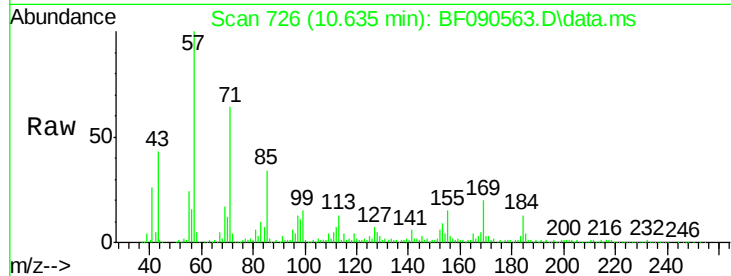




#65  
n-Nitrosodiphenylamine  
Concen: 23.98 ng  
RT: 10.635 min Scan# 72  
Delta R.T. 0.000 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

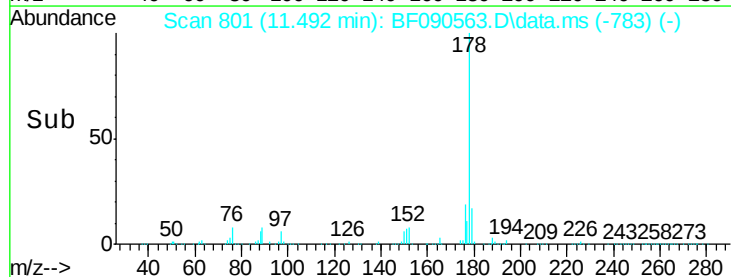
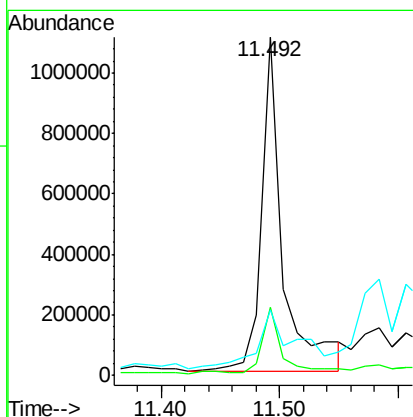
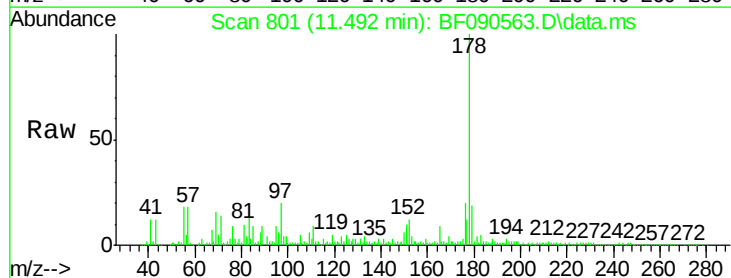
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

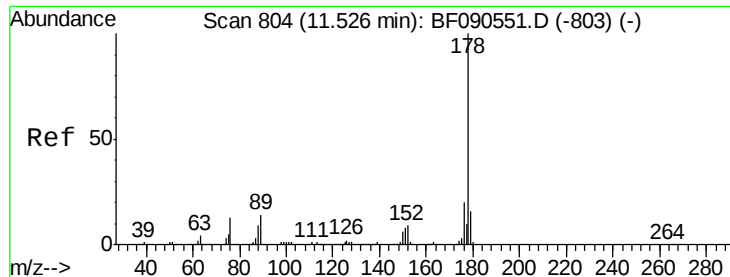
Tot Ion:169 Resp: 585537  
Ion Ratio Lower Upper  
169 100  
168 24.5 54.6 81.8#  
167 16.1 29.8 44.8#



#70  
Phenanthrene  
Concen: 35.26 ng  
RT: 11.492 min Scan# 801  
Delta R.T. 0.011 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

Tgt Ion:178 Resp: 1391486  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.1 24.1  
179 19.4 12.6 19.0#

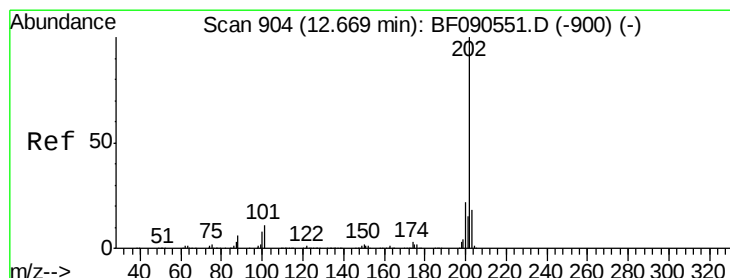
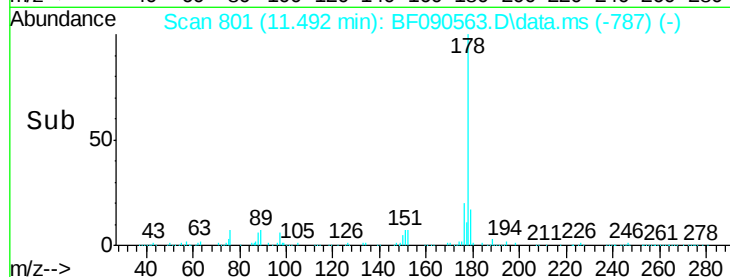
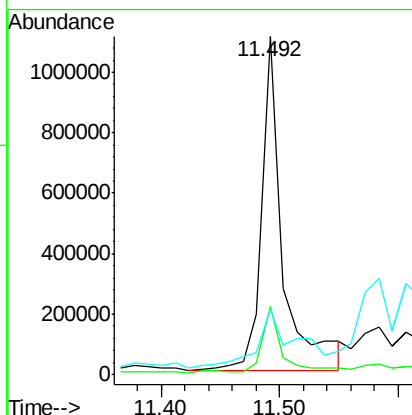
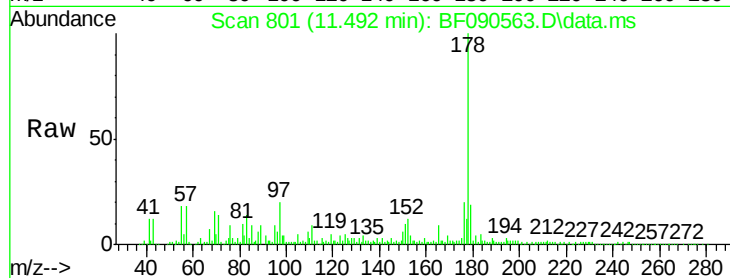




#71  
 Anthracene  
 Concen: 32.76 ng  
 RT: 11.492 min Scan# 80  
 Delta R.T. -0.034 min  
 Lab File: BF090563.D  
 Acq: 14 Oct 2016 12:01

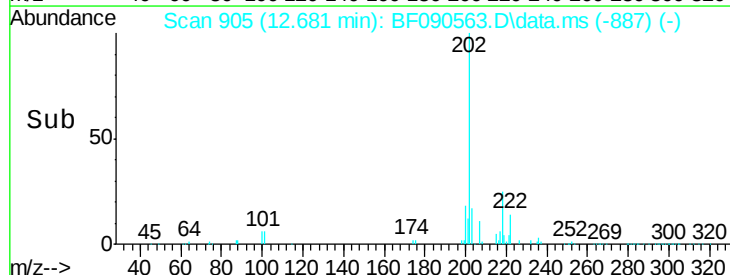
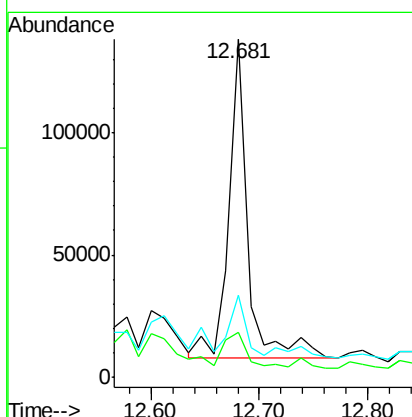
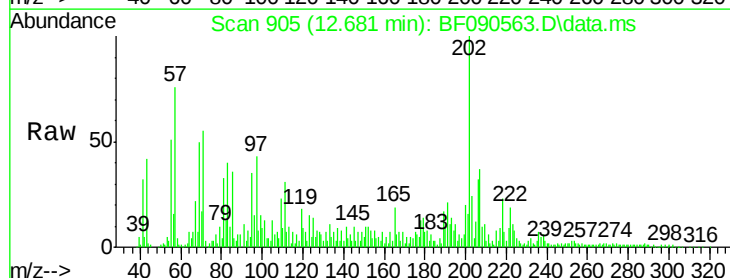
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MJSB-17(6-8)DL

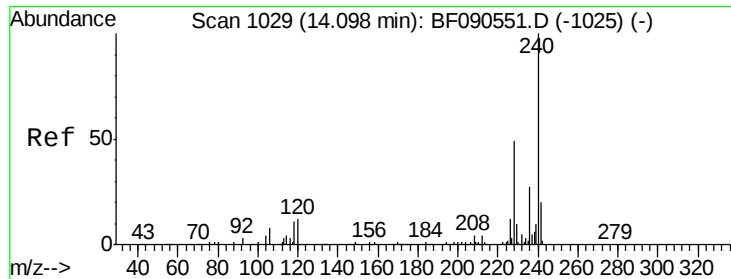
Tot Ion:178 Resp: 1391486  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 15.5 23.3  
 179 19.4 13.0 19.4



#74  
 Fluoranthene  
 Concen: 3.88 ng  
 RT: 12.681 min Scan# 905  
 Delta R.T. 0.011 min  
 Lab File: BF090563.D  
 Acq: 14 Oct 2016 12:01

Tgt Ion:202 Resp: 154006  
 Ion Ratio Lower Upper  
 202 100  
 101 13.2 0.0 31.1  
 203 24.3 0.0 38.0

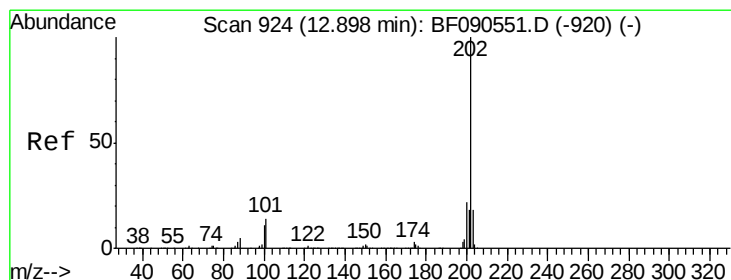
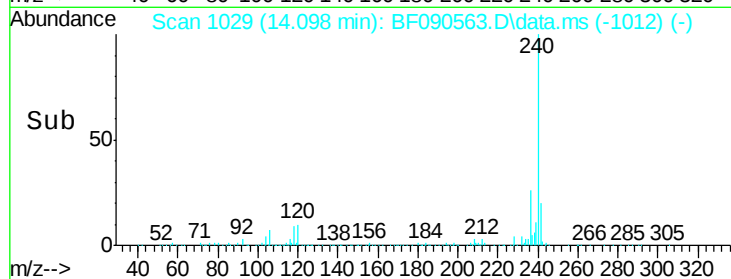
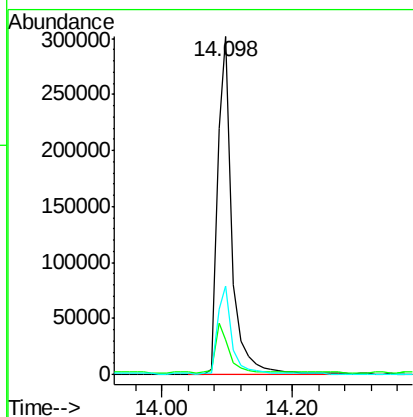
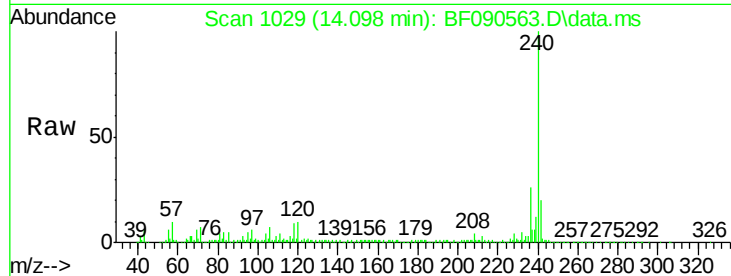




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.098 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

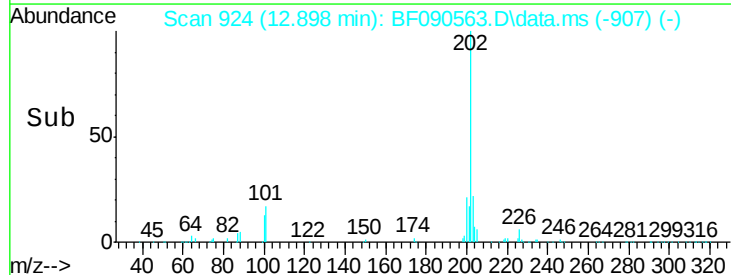
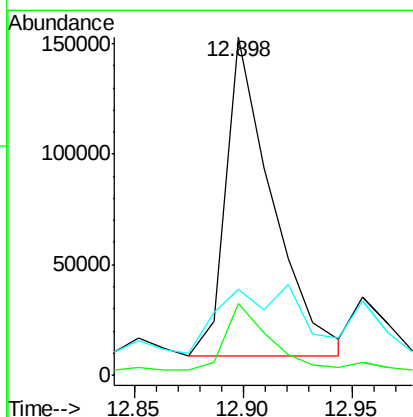
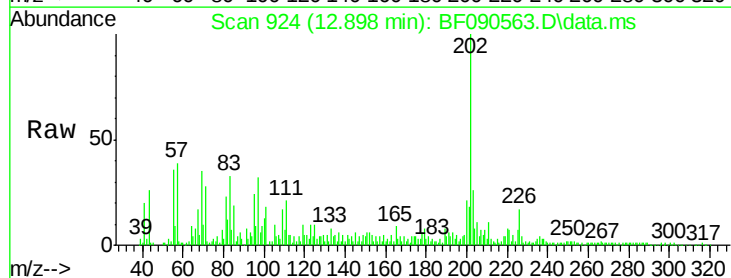
Instrument :  
BNA\_F  
ClientSampleId :  
MJSB-17(6-8)DL

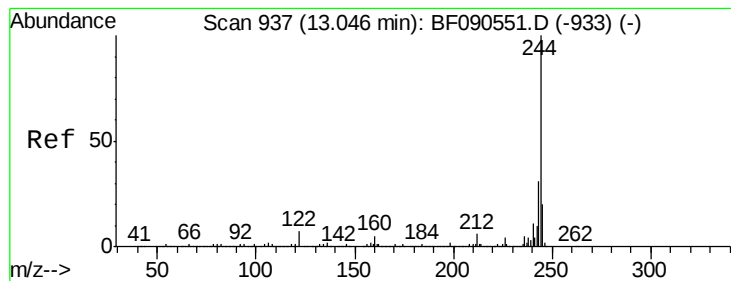
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.3  | 9.8   | 14.8  |
| 236     | 26.3  | 21.7  | 32.5  |



#77  
Pyrene  
Concen: 6.92 ng  
RT: 12.898 min Scan# 924  
Delta R.T. 0.000 min  
Lab File: BF090563.D  
Acq: 14 Oct 2016 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 17.8  | 26.6  |
| 203     | 25.5  | 14.6  | 21.8# |





#78

Terphenyl-d14

Concen: 20.27 ng

RT: 13.046 min Scan# 93

Delta R.T. 0.000 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Instrument :

BNA\_F

ClientSampleId :

MJSB-17(6-8)DL

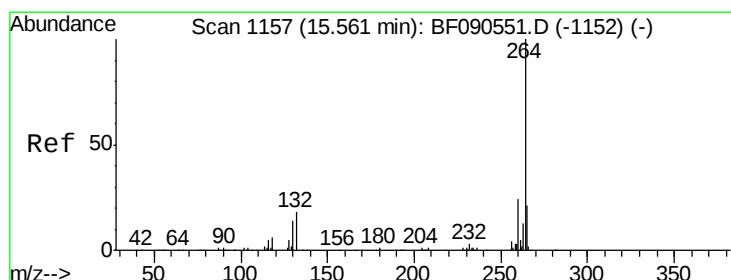
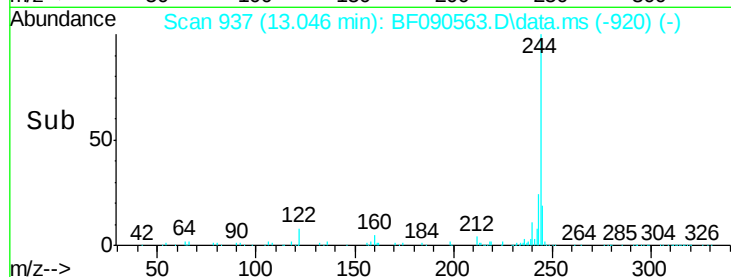
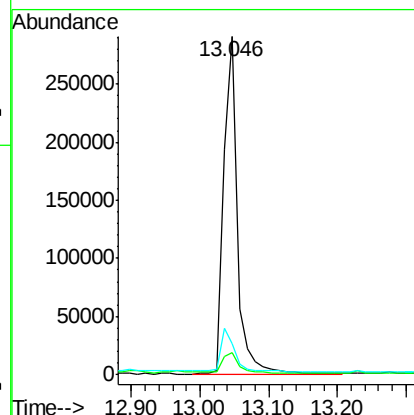
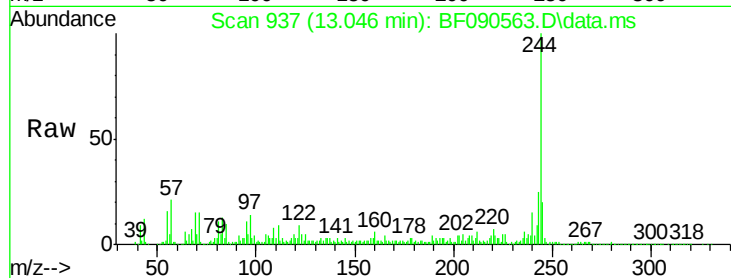
Tot Ion:244 Resp: 407094

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 9.2 5.6 8.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.550 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BF090563.D

Acq: 14 Oct 2016 12:01

Tgt Ion:264 Resp: 368184

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 22.2 16.7 25.1

