

Data Path : Z:\HPCHEM1\BNA F\Data\BF012218\  
 Data File : BF102288.D  
 Acq On : 22 Jan 2018 10:07  
 Operator : SJ/JU  
 Sample : SSTDICC2.5  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 22 12:31:33 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 22 12:26:32 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|--------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.716  | 152  | 134341   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.998  | 136  | 562458   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.751  | 164  | 258713   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.233 | 188  | 473043   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.868 | 240  | 407864   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.292 | 264  | 375392   | 20.00 | ng    | 0.00     |

|                             |        |     |        |      |    |       |
|-----------------------------|--------|-----|--------|------|----|-------|
| System Monitoring Compounds |        |     |        |      |    |       |
| 5) 2-Fluorophenol           | 5.316  | 112 | 48604  | 5.11 | ng | 0.00  |
| 7) Phenol-d6                | 6.345  | 99  | 62117  | 5.47 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.275  | 82  | 54046  | 5.65 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.533 | 330 | 14730  | 6.52 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.069  | 172 | 122283 | 7.38 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.815 | 244 | 115126 | 5.86 | ng | 0.00  |

|                               |       |     |       |        |    |      |
|-------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds              |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                | 2.381 | 88  | 11454 | 2.41   | ng | 97   |
| 3) Pyridine                   | 3.110 | 79  | 26922 | 2.08   | ng | 95   |
| 6) Aniline                    | 6.375 | 93  | 39678 | 2.48   | ng | # 93 |
| 8) 2-Chlorophenol             | 6.498 | 128 | 25703 | 2.69   | ng | 98   |
| 9) Benzaldehyde               | 6.263 | 77  | 19738 | 2.50   | ng | 90   |
| 10) Phenol                    | 6.363 | 94  | 33764 | 2.63   | ng | 98   |
| 11) bis(2-Chloroethyl)ether   | 6.445 | 93  | 24846 | 2.54   | ng | 98   |
| 12) 1,3-Dichlorobenzene       | 6.651 | 146 | 31522 | 2.87   | ng | 97   |
| 13) 1,4-Dichlorobenzene       | 6.734 | 146 | 30906 | 2.82   | ng | 97   |
| 14) 1,2-Dichlorobenzene       | 6.881 | 146 | 29220 | 2.88   | ng | 93   |
| 15) Benzyl Alcohol            | 6.857 | 79  | 22392 | 2.70   | ng | 96   |
| 16) 2,2'-oxybis(1-Chloropr... | 6.992 | 45  | 42402 | 2.36   | ng | 96   |
| 17) 2-Methylphenol            | 6.975 | 107 | 22263 | 2.59   | ng | 97   |
| 18) Hexachloroethane          | 7.222 | 117 | 10548 | 2.73   | ng | 97   |
| 19) n-Nitroso-di-n-propyla... | 7.122 | 70  | 18447 | 2.48   | ng | 89   |
| 20) 3+4-Methylphenols         | 7.128 | 107 | 31415 | 3.04   | ng | # 67 |
| 22) Acetophenone              | 7.122 | 105 | 40919 | 3.02   | ng | # 95 |
| 24) Nitrobenzene              | 7.292 | 77  | 28041 | 2.73   | ng | 98   |
| 25) Isophorone                | 7.533 | 82  | 47628 | 2.52   | ng | 98   |
| 26) 2-Nitrophenol             | 7.616 | 139 | 13412 | 3.12   | ng | 92   |
| 27) 2,4-Dimethylphenol        | 7.657 | 122 | 20661 | 2.57   | ng | 96   |
| 28) bis(2-Chloroethoxy)met... | 7.751 | 93  | 30175 | 2.64   | ng | 97   |
| 29) 2,4-Dichlorophenol        | 7.863 | 162 | 22050 | 2.89   | ng | 91   |
| 30) 1,2,4-Trichlorobenzene    | 7.939 | 180 | 23945 | 3.00   | ng | 98   |
| 31) Naphthalene               | 8.016 | 128 | 82165 | 2.92   | ng | 99   |
| 33) 4-Chloroaniline           | 8.075 | 127 | 33699 | 2.81   | ng | 96   |
| 34) Hexachlorobutadiene       | 8.133 | 225 | 12630 | 2.99   | ng | 94   |
| 35) Caprolactam               | 8.404 | 113 | 6676  | 2.55   | ng | 92   |
| 36) 4-Chloro-3-methylphenol   | 8.557 | 107 | 22646 | 2.71   | ng | 93   |
| 37) 2-Methylnaphthalene       | 8.710 | 142 | 55709 | 3.01   | ng | 99   |
| 39) 1,2,4,5-Tetrachloroben... | 8.875 | 216 | 22438 | 3.07   | ng | 96   |
| 42) 2,4,6-Trichlorophenol     | 8.992 | 196 | 14070 | 2.79   | ng | 97   |
| 43) 2,4,5-Trichlorophenol     | 9.033 | 196 | 16079 | 2.82   | ng | 92   |
| 45) 1,1'-Biphenyl             | 9.175 | 154 | 69752 | 3.05   | ng | 98   |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

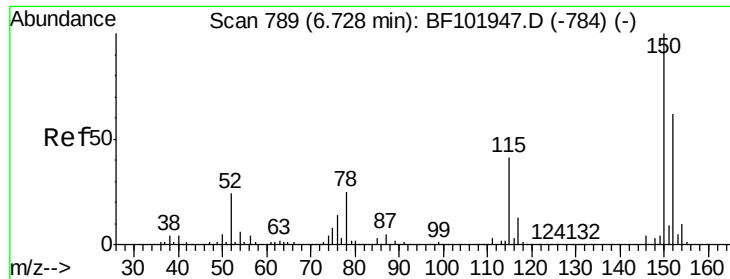
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 22 12:31:33 2018  
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| Internal Standards            | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 46) 2-Chloronaphthalene       | 9.198  | 162  | 52955    | 2.99 | ng    | 96       |
| 47) 2-Nitroaniline            | 9.298  | 65   | 14850    | 2.80 | ng    | 96       |
| 48) Acenaphthylene            | 9.610  | 152  | 86014    | 3.06 | ng    | 100      |
| 49) Dimethylphthalate         | 9.469  | 163  | 63193    | 3.04 | ng    | 98       |
| 50) 2,6-Dinitrotoluene        | 9.533  | 165  | 12765    | 3.08 | ng    | 98       |
| 51) Acenaphthene              | 9.780  | 154  | 51517    | 3.02 | ng    | 98       |
| 52) 3-Nitroaniline            | 9.704  | 138  | 15066    | 2.88 | ng    | 98       |
| 54) Dibenzofuran              | 9.951  | 168  | 72650    | 3.10 | ng    | 99       |
| 55) 4-Nitrophenol             | 9.880  | 139  | 8060     | 2.07 | ng    | 93       |
| 56) 2,4-Dinitrotoluene        | 9.939  | 165  | 16119    | 3.10 | ng    | # 95     |
| 57) Fluorene                  | 10.292 | 166  | 61020    | 3.77 | ng    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 10.074 | 232  | 11685    | 2.88 | ng    | # 94     |
| 59) Diethylphthalate          | 10.169 | 149  | 62277    | 3.02 | ng    | 97       |
| 60) 4-Chlorophenyl-phenyle... | 10.286 | 204  | 25755    | 3.73 | ng    | 96       |
| 61) 4-Nitroaniline            | 10.310 | 138  | 14584    | 2.94 | ng    | 90       |
| 62) Azobenzene                | 10.445 | 77   | 57149    | 2.78 | ng    | 98       |
| 64) 4,6-Dinitro-2-methylph... | 10.351 | 198  | 5011     | 2.15 | ng    | 90       |
| 65) n-Nitrosodiphenylamine    | 10.404 | 169  | 52311    | 2.95 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether | 10.780 | 248  | 14846    | 2.97 | ng    | 95       |
| 67) Hexachlorobenzene         | 10.839 | 284  | 16993    | 3.12 | ng    | 96       |
| 68) Atrazine                  | 10.933 | 200  | 15970    | 3.12 | ng    | 96       |
| 70) Phenanthrene              | 11.257 | 178  | 85845    | 3.11 | ng    | 97       |
| 71) Anthracene                | 11.310 | 178  | 86224    | 3.08 | ng    | 97       |
| 72) Carbazole                 | 11.469 | 167  | 84854    | 3.08 | ng    | 98       |
| 73) Di-n-butylphthalate       | 11.798 | 149  | 105018   | 3.11 | ng    | 98       |
| 74) Fluoranthene              | 12.439 | 202  | 86866    | 3.20 | ng    | 98       |
| 76) Benzidine                 | 12.574 | 184  | 40016    | 2.03 | ng    | 97       |
| 77) Pyrene                    | 12.668 | 202  | 89380    | 2.48 | ng    | 98       |
| 79) Butylbenzylphthalate      | 13.292 | 149  | 42833    | 2.59 | ng    | 98       |
| 80) Benzo(a)anthracene        | 13.857 | 228  | 74659    | 2.87 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine    | 13.827 | 252  | 27809    | 2.89 | ng    | 97       |
| 82) Chrysene                  | 13.892 | 228  | 74415    | 2.74 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phtha... | 13.851 | 149  | 63131    | 3.33 | ng    | # 99     |
| 84) Di-n-octyl phthalate      | 14.462 | 149  | 95898    | 3.04 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene    | 16.662 | 276  | 63285    | 3.20 | ng    | 97       |
| 87) Benzo(b)fluoranthene      | 14.880 | 252  | 66267    | 2.71 | ng    | 98       |
| 88) Benzo(k)fluoranthene      | 14.909 | 252  | 69562    | 2.95 | ng    | 96       |
| 89) Benzo(a)pyrene            | 15.227 | 252  | 61440    | 2.79 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene    | 16.680 | 278  | 52147    | 2.97 | ng    | 98       |
| 91) Benzo(g,h,i)perylene      | 17.086 | 276  | 50986    | 2.88 | ng    | 94       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.716 min Scan# 78

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

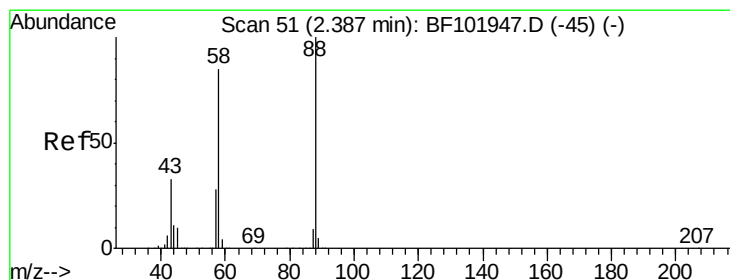
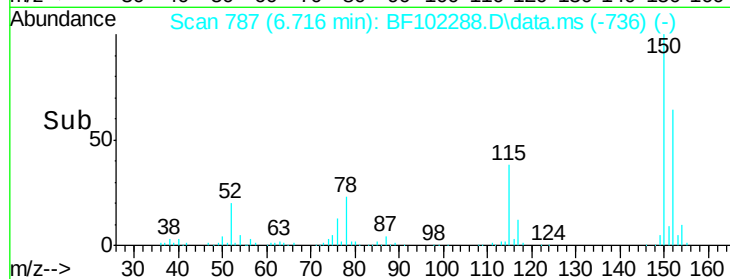
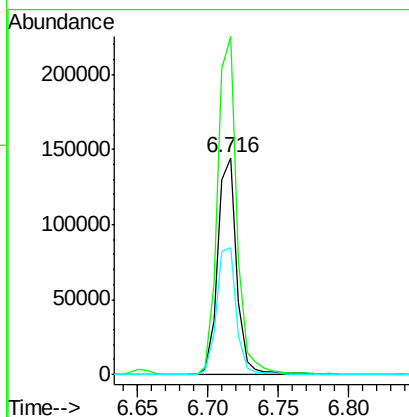
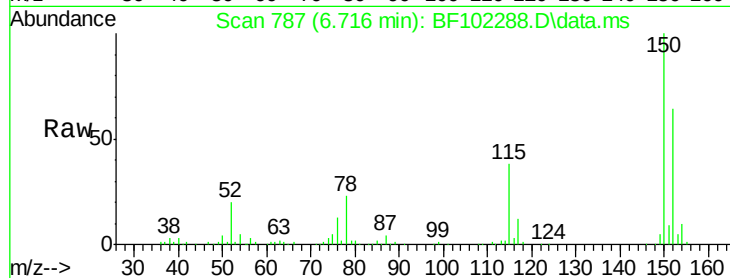
Tot Ion:152 Resp: 134341

Ion Ratio Lower Upper

152 100

150 155.9 124.6 186.8

115 58.7 50.1 75.1



#2

1,4-Dioxane

Concen: 2.41 ng

RT: 2.381 min Scan# 50

Delta R.T. 0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

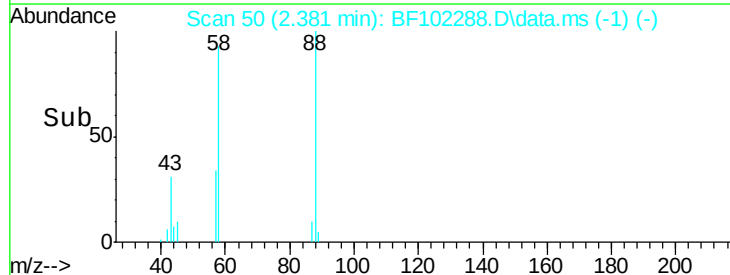
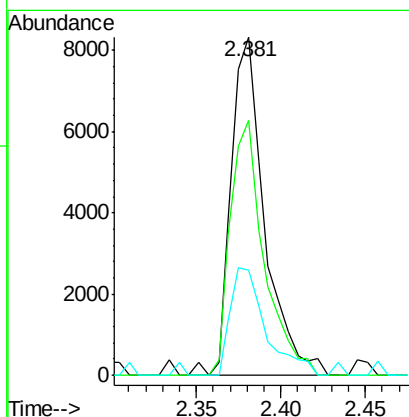
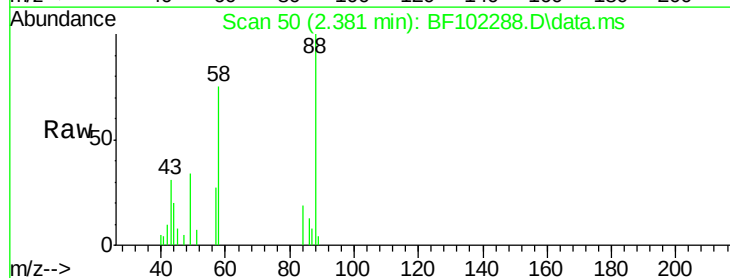
Tgt Ion: 88 Resp: 11454

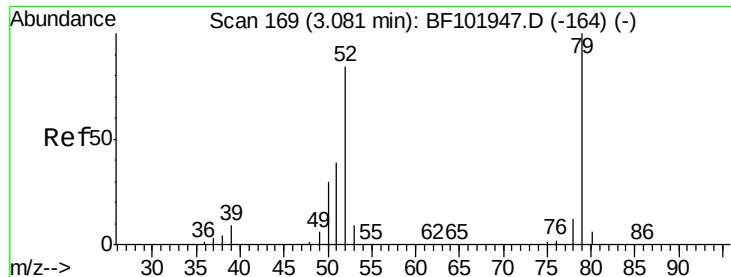
Ion Ratio Lower Upper

88 100

58 75.9 62.6 93.8

43 33.6 24.6 37.0





#3

Pvridine

Concen: 2.08 ng

RT: 3.110 min Scan# 17

Delta R.T. 0.035 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

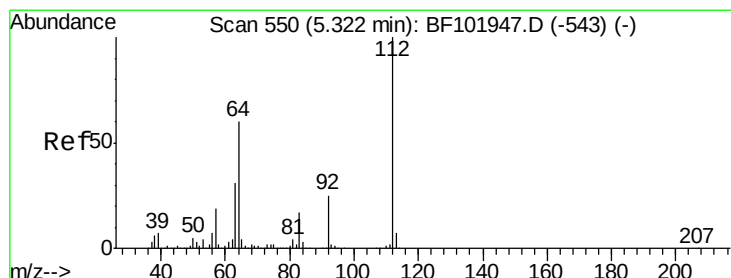
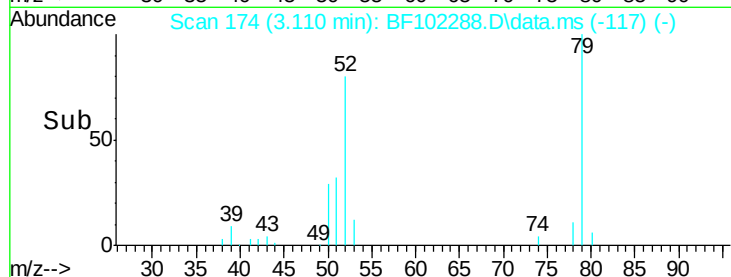
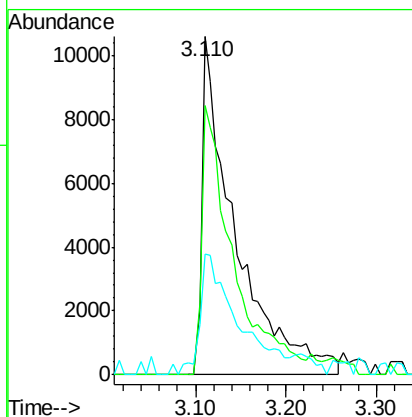
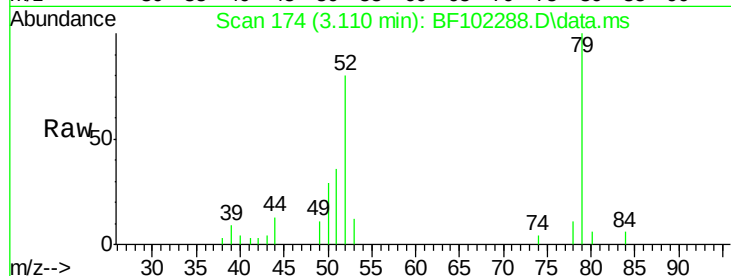
Tot Ion: 79 Resp: 26922

Ion Ratio Lower Upper

79 100

52 79.6 59.8 89.6

51 35.7 29.8 44.8



#5

2-Fluorophenol

Concen: 5.11 ng

RT: 5.316 min Scan# 549

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

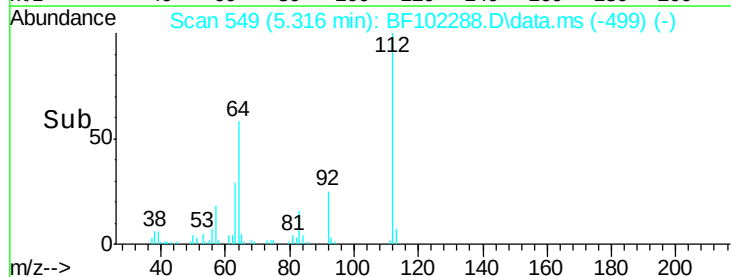
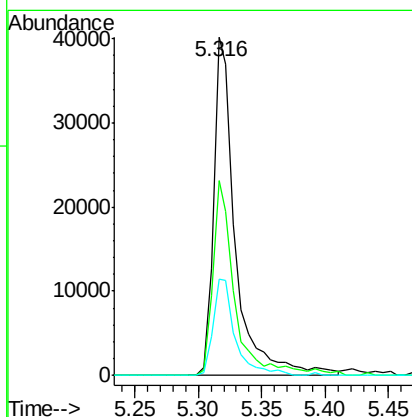
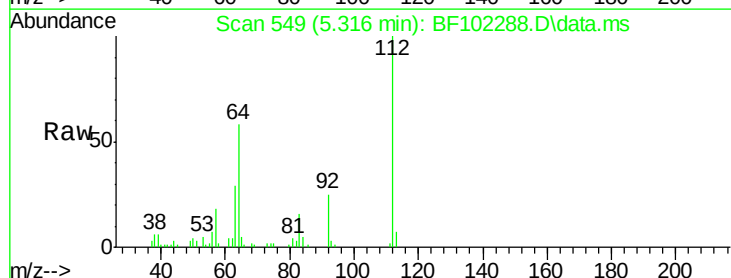
Tgt Ion: 112 Resp: 48604

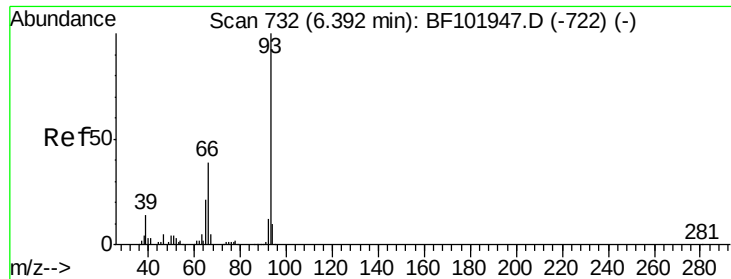
Ion Ratio Lower Upper

112 100

64 57.7 47.9 71.9

63 28.6 23.7 35.5





#6

Aniline

Concen: 2.48 ng

RT: 6.375 min Scan# 72

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

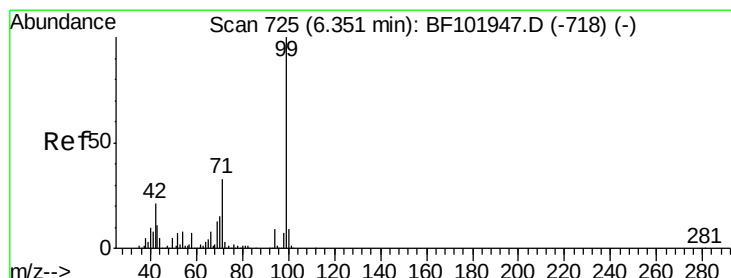
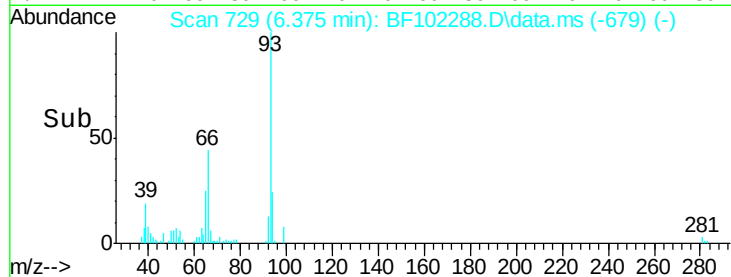
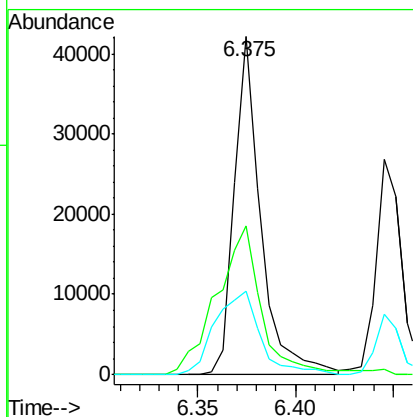
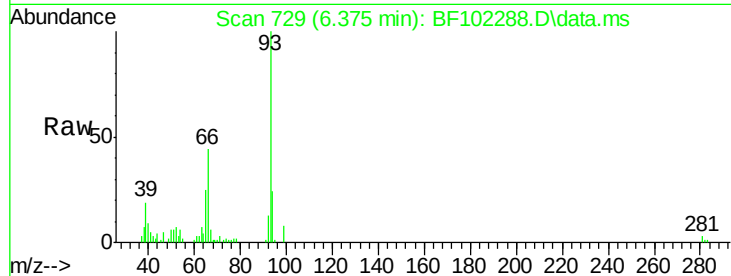
Tot Ion: 93 Resp: 39678

Ion Ratio Lower Upper

93 100

66 43.9 32.2 48.2

65 24.8 16.4 24.6#



#7

Phenol-d6

Concen: 5.47 ng

RT: 6.345 min Scan# 724

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

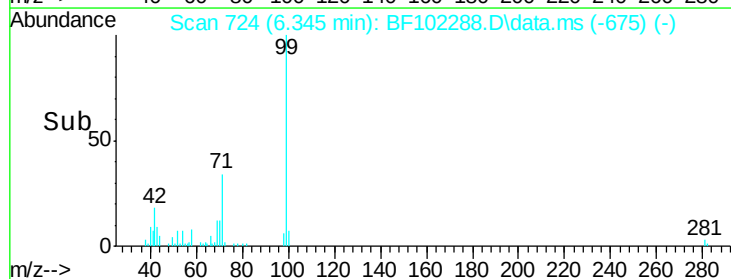
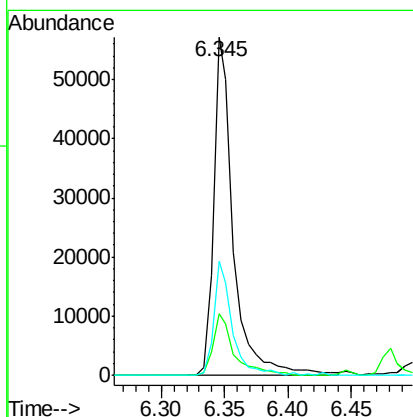
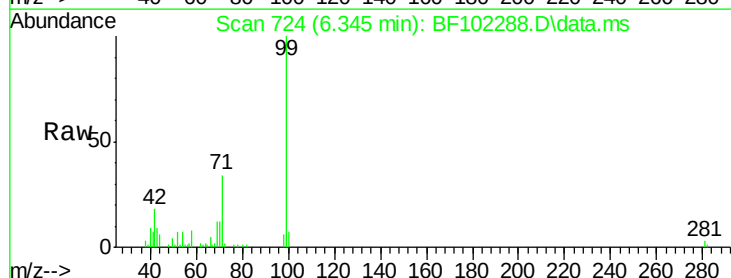
Tgt Ion: 99 Resp: 62117

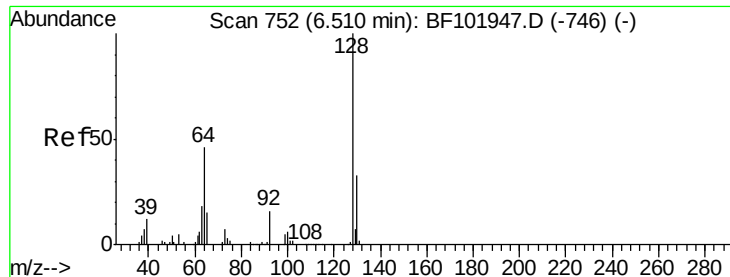
Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 33.6 25.4 38.0





#8

2-Chlorophenol

Concen: 2.69 ng

RT: 6.498 min Scan# 75

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

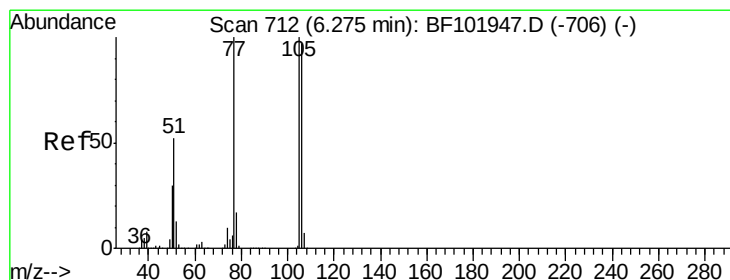
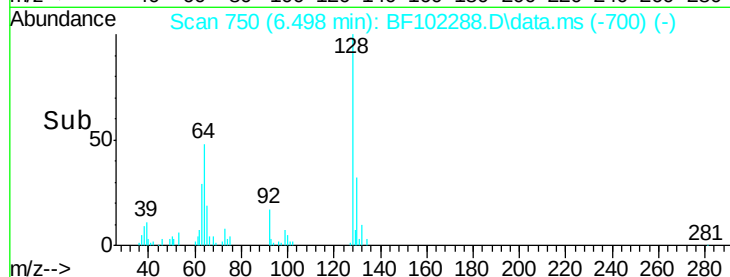
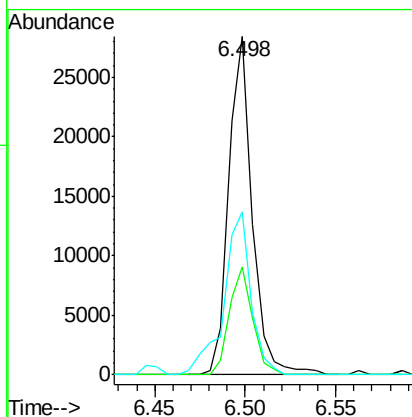
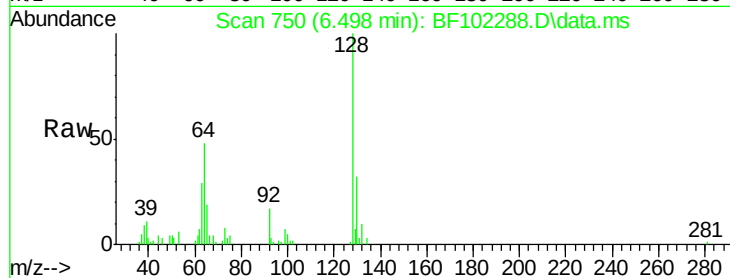
Tot Ion:128 Resp: 25703

Ion Ratio Lower Upper

128 100

130 31.8 13.0 53.0

64 48.2 29.4 69.4



#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.263 min Scan# 710

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

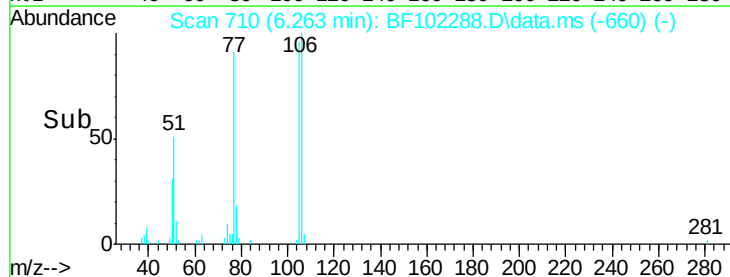
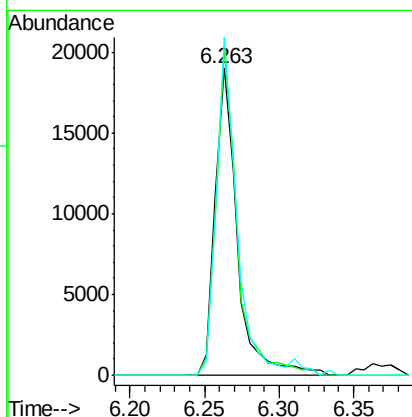
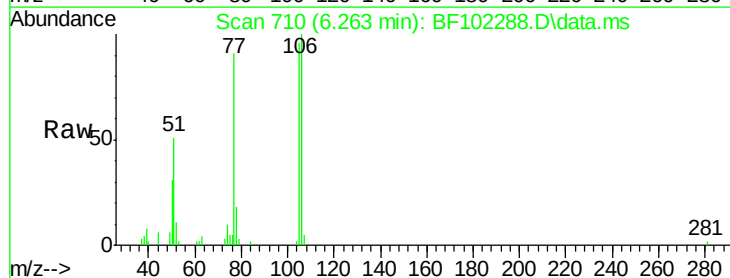
Tgt Ion: 77 Resp: 19738

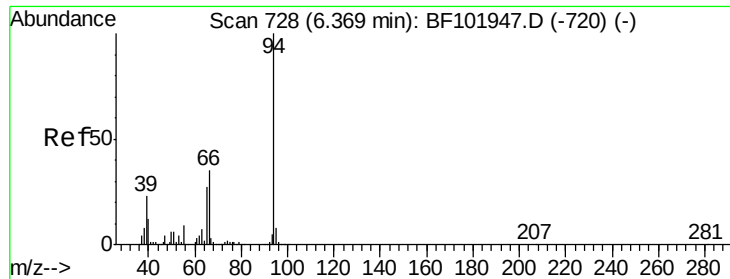
Ion Ratio Lower Upper

77 100

105 105.7 81.1 121.1

106 110.0 74.5 114.5





#10

Phenol

Concen: 2.63 ng

RT: 6.363 min Scan# 72

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

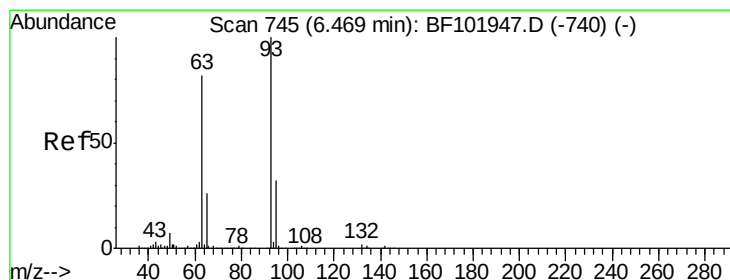
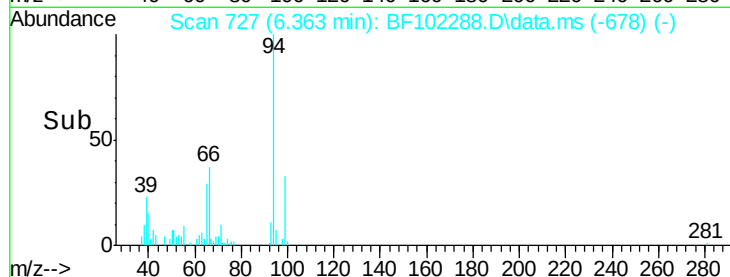
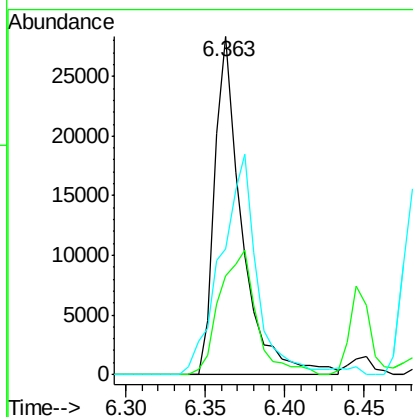
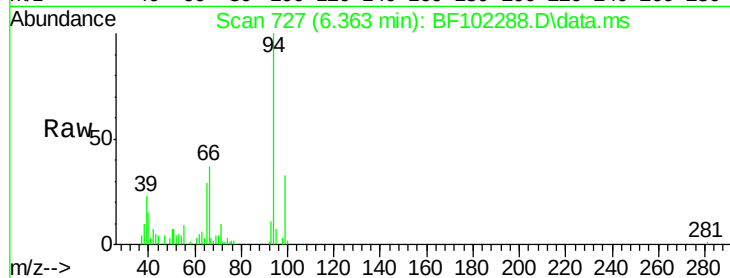
Tot Ion: 94 Resp: 33764

Ion Ratio Lower Upper

94 100

65 29.0 7.9 47.9

66 37.3 16.2 56.2



#11

bis(2-Chloroethyl)ether

Concen: 2.54 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

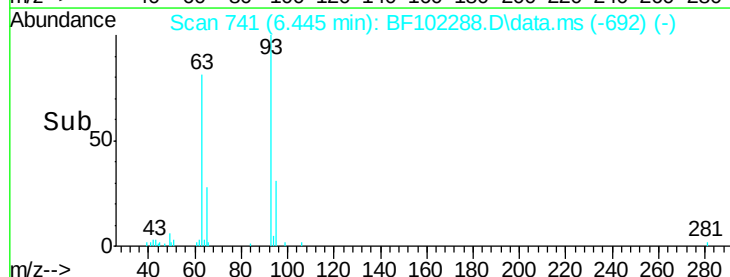
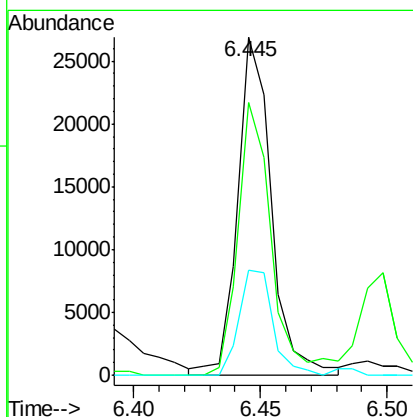
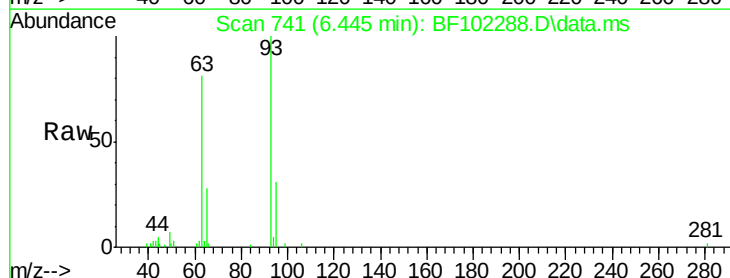
Tgt Ion: 93 Resp: 24846

Ion Ratio Lower Upper

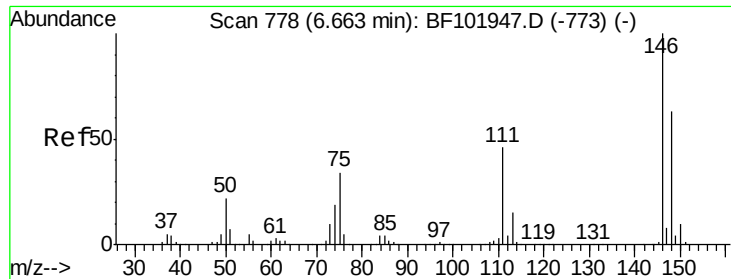
93 100

63 80.6 58.6 98.6

95 31.1 11.8 51.8



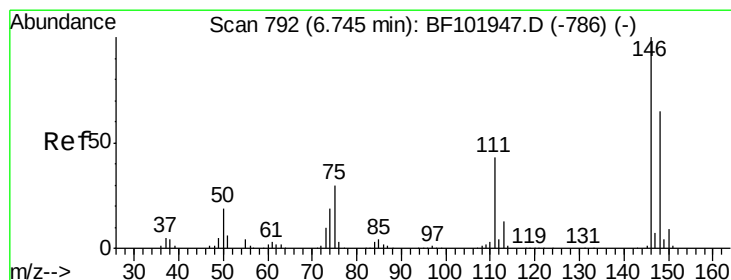
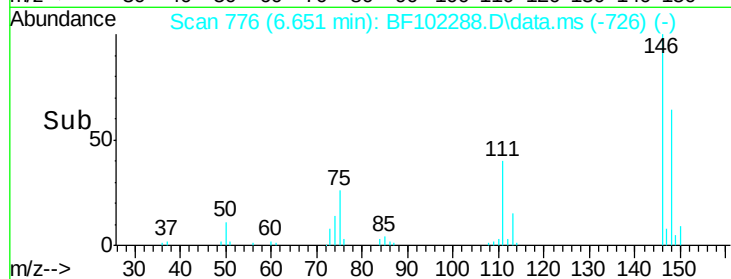
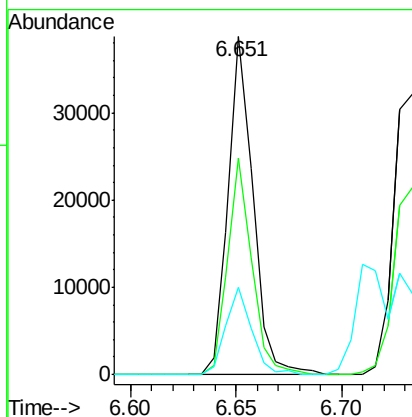
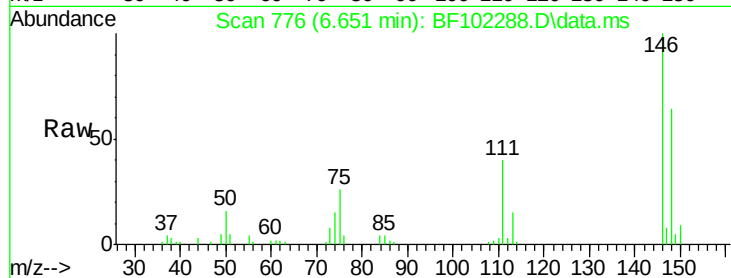




#12  
 1,3-Dichlorobenzene  
 Concen: 2.87 ng  
 RT: 6.651 min Scan# 77  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

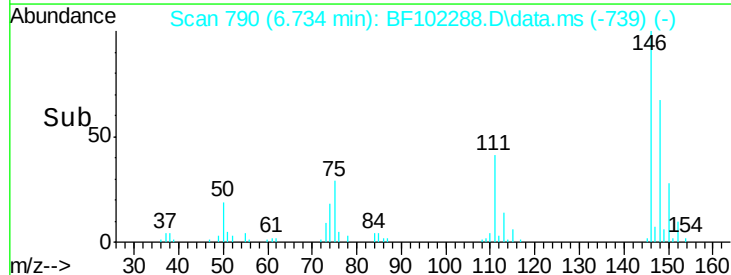
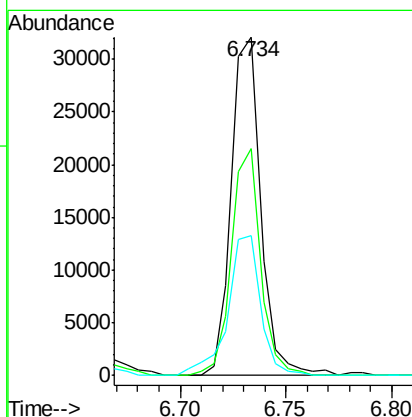
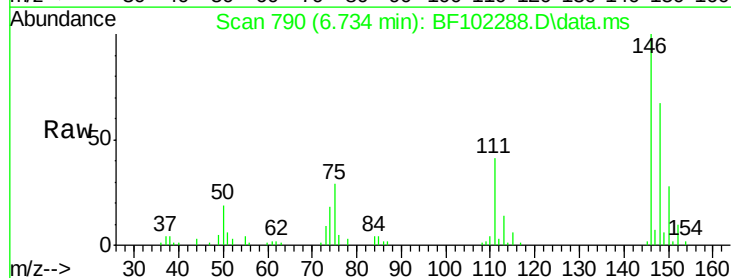
Instrument :  
 BNA\_F  
 ClientSampleId :

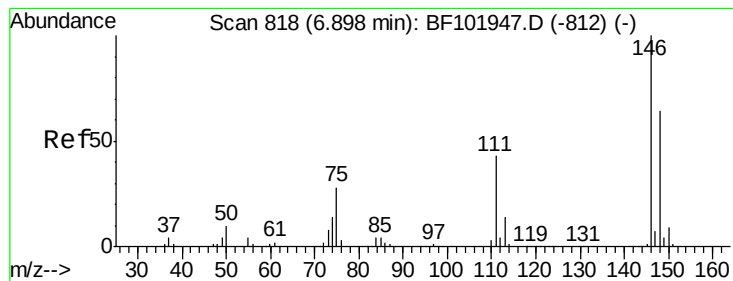
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 51.8  | 77.8  |
| 75      | 25.6  | 24.2  | 36.4  |



#13  
 1,4-Dichlorobenzene  
 Concen: 2.82 ng  
 RT: 6.734 min Scan# 790  
 Delta R.T. -0.000 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.0  | 50.8  | 76.2  |
| 111     | 41.5  | 34.2  | 51.2  |





#14

1,2-Dichlorobenzene

Concen: 2.88 ng

RT: 6.881 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

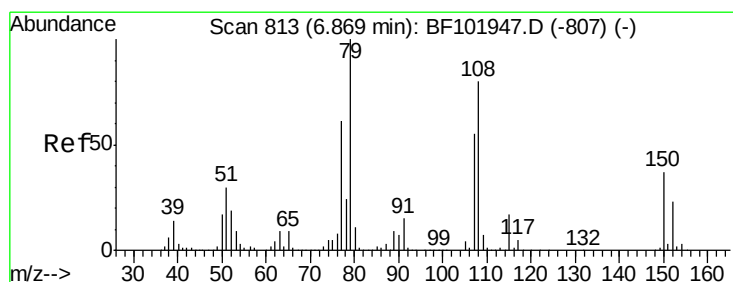
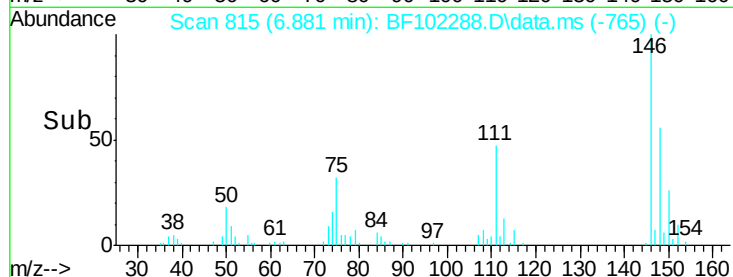
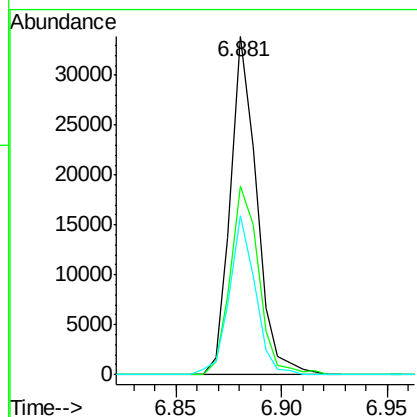
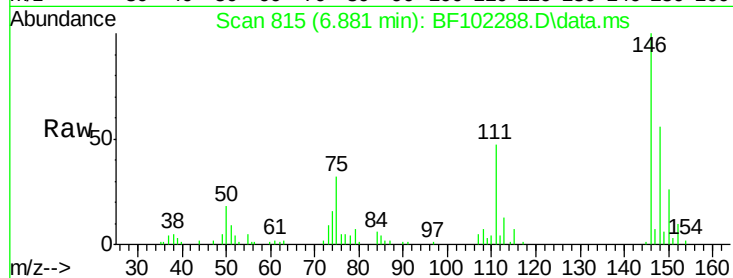
Tot Ion:146 Resp: 29220

Ion Ratio Lower Upper

146 100

148 55.7 50.6 75.8

111 47.0 36.0 54.0



#15

Benzyl Alcohol

Concen: 2.70 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

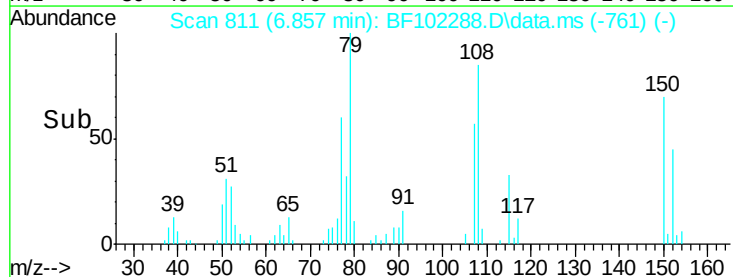
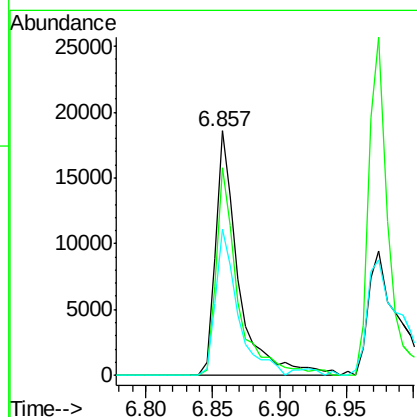
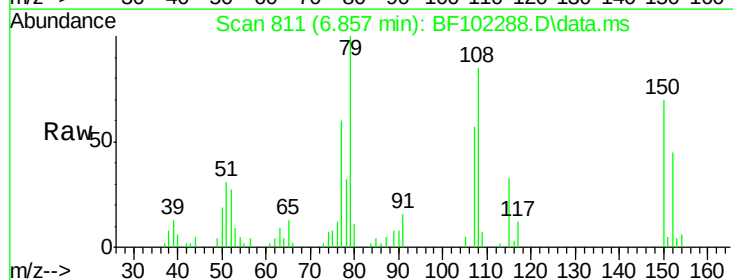
Tgt Ion: 79 Resp: 22392

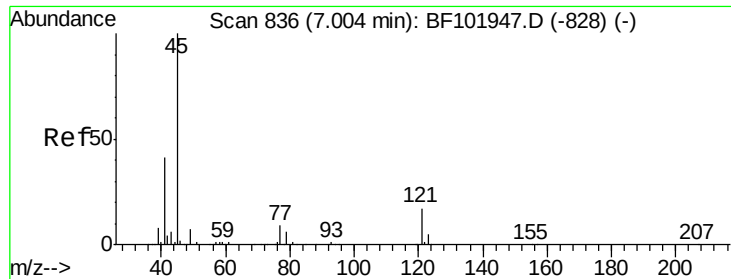
Ion Ratio Lower Upper

79 100

108 84.8 65.1 97.7

77 60.0 50.6 75.8

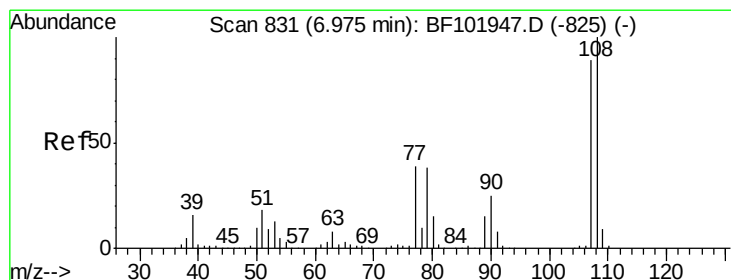
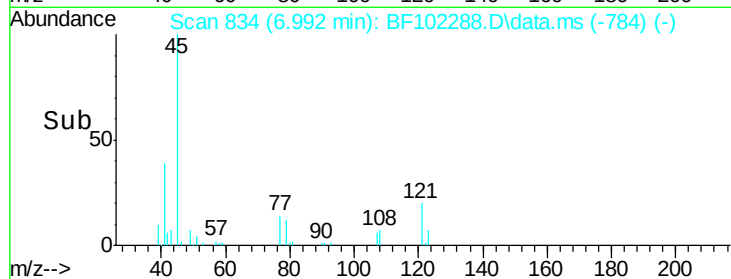
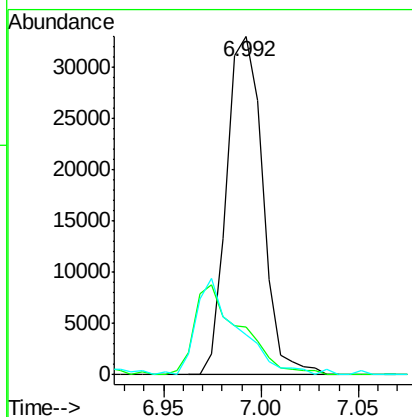
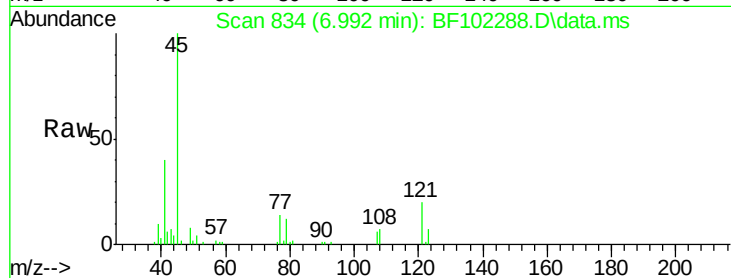




#16  
 2,2'-oxybis(1-Chloropropane)  
 Concen: 2.36 ng  
 RT: 6.992 min Scan# 831  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

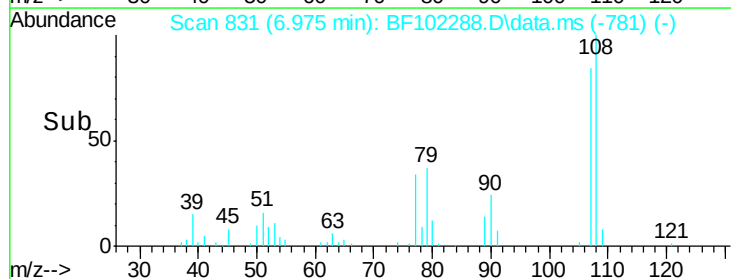
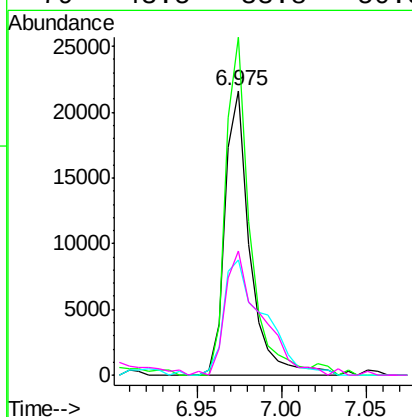
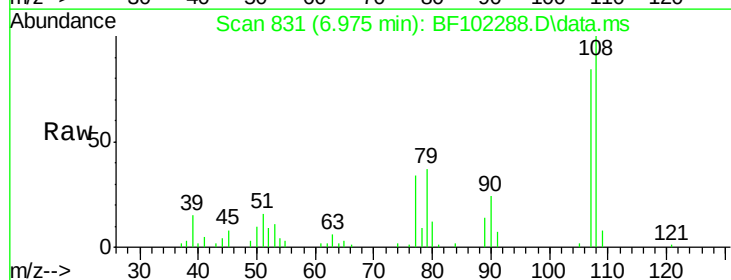
Instrument :  
 BNA\_F  
 ClientSampleId :

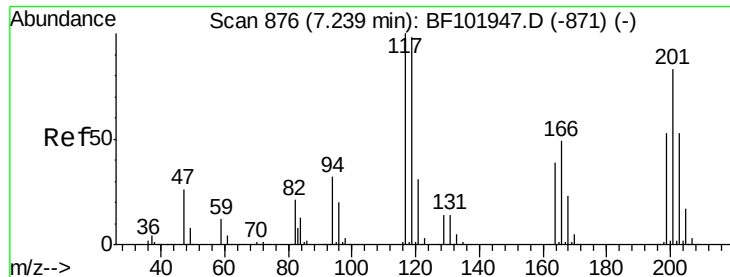
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 45    | Resp: | 42402 |
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 77        | 13.9  | 0.0   | 32.9  |
| 79        | 11.7  | 0.0   | 29.6  |



#17  
 2-Methylphenol  
 Concen: 2.59 ng  
 RT: 6.975 min Scan# 831  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 22263 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 118.8 | 91.7  | 137.5 |
| 77        | 40.5  | 33.8  | 50.8  |
| 79        | 43.5  | 33.8  | 50.8  |





#18

Hexachloroethane

Concen: 2.73 ng

RT: 7.222 min Scan# 87

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

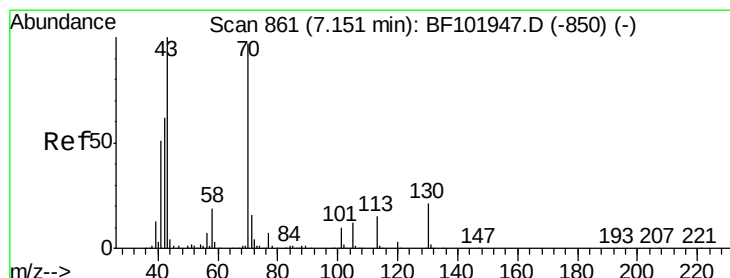
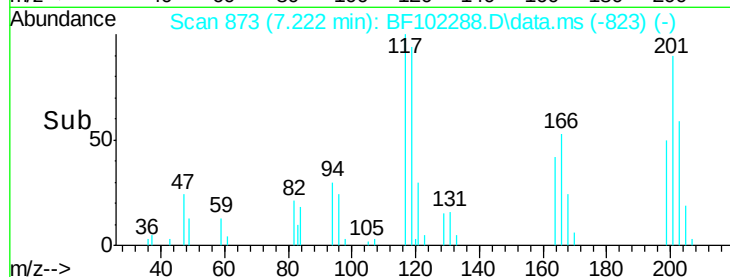
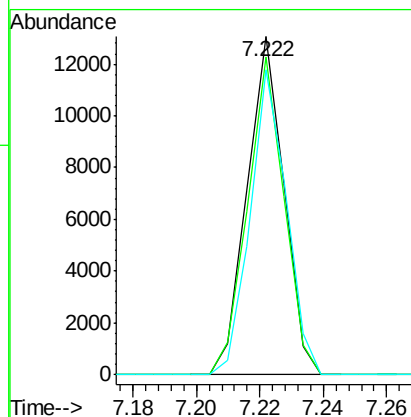
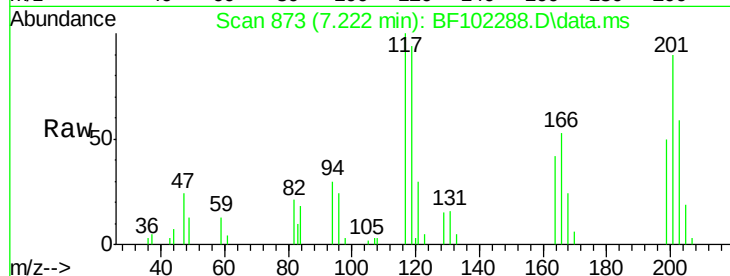
Tot Ion:117 Resp: 10548

Ion Ratio Lower Upper

117 100

119 93.9 75.8 113.8

201 90.2 75.7 113.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.48 ng

RT: 7.122 min Scan# 856

Delta R.T. -0.018 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Tgt Ion: 70 Resp: 18447

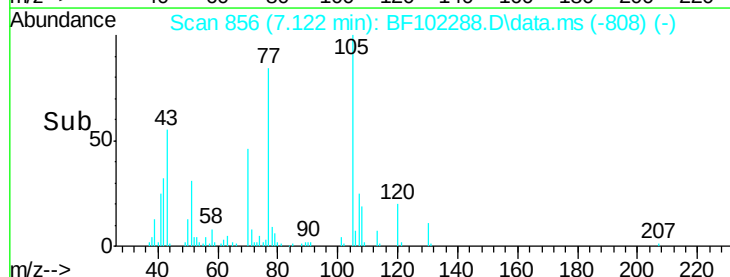
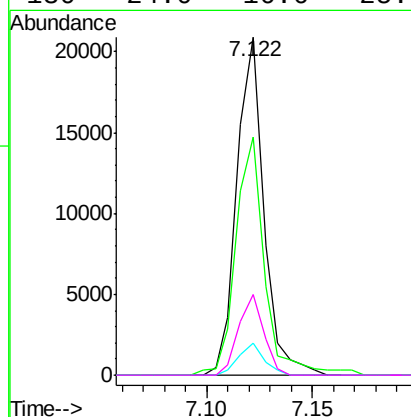
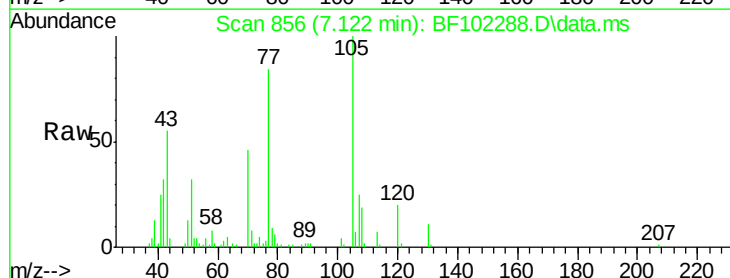
Ion Ratio Lower Upper

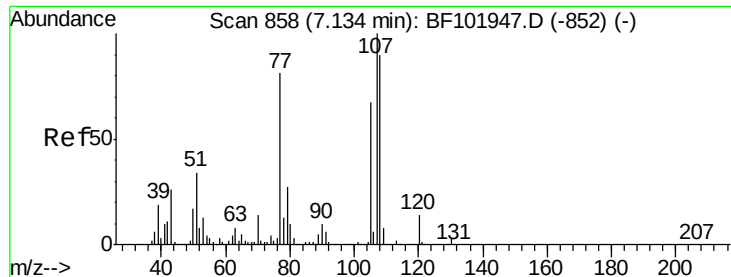
70 100

42 70.3 47.5 71.3

101 9.6 7.4 11.2

130 24.0 16.6 25.0





#20

3+4-Methylphenols

Concen: 3.04 ng

RT: 7.128 min Scan# 85

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 31415

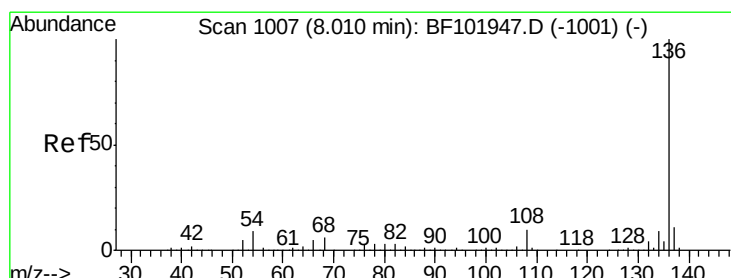
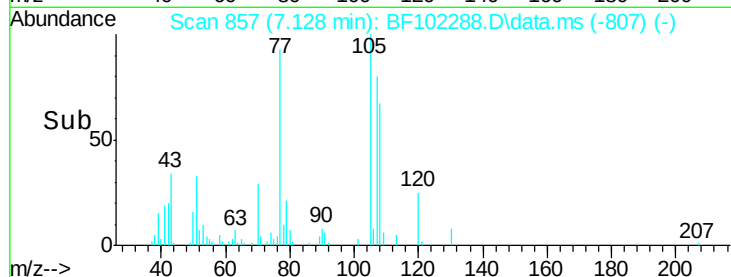
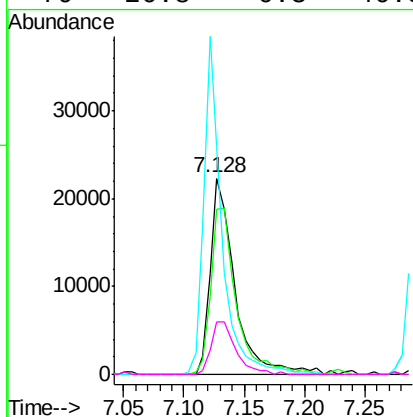
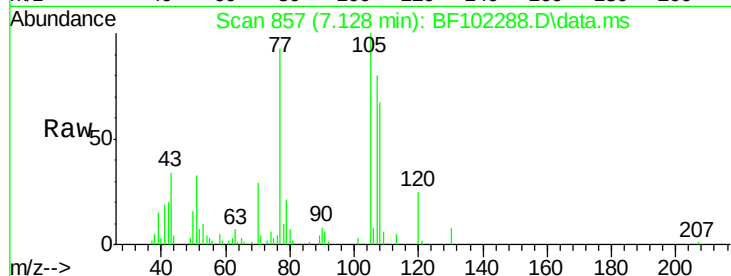
Ion Ratio Lower Upper

107 100

108 84.5 68.2 108.2

77 116.6 26.7 66.7#

79 26.8 6.3 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Tgt Ion:136 Resp: 562458

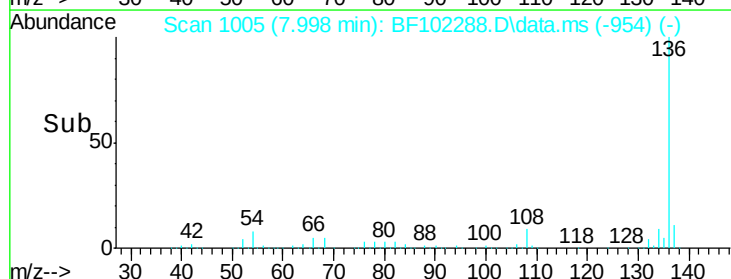
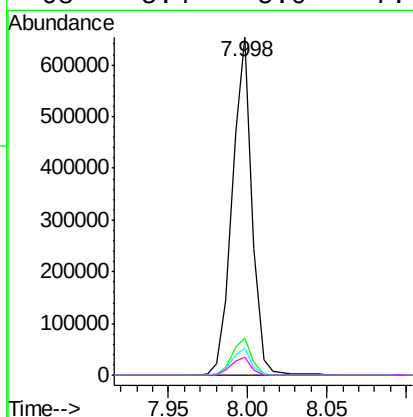
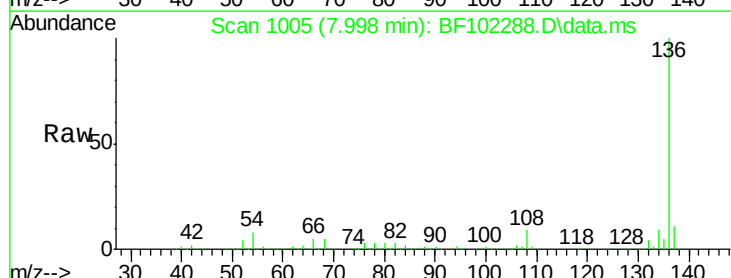
Ion Ratio Lower Upper

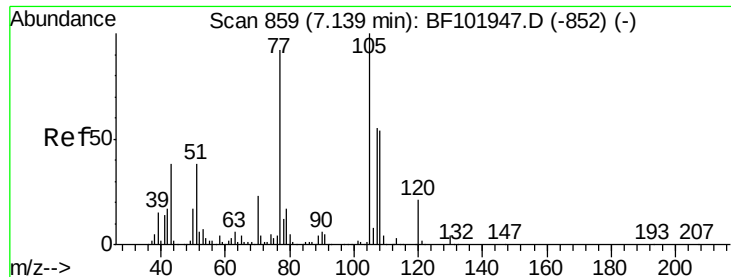
136 100

137 11.0 8.9 13.3

54 7.8 6.6 9.8

68 5.4 5.0 7.4





#22

Acetophenone

Concen: 3.02 ng

RT: 7.122 min Scan# 85

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:105 Resp: 40919

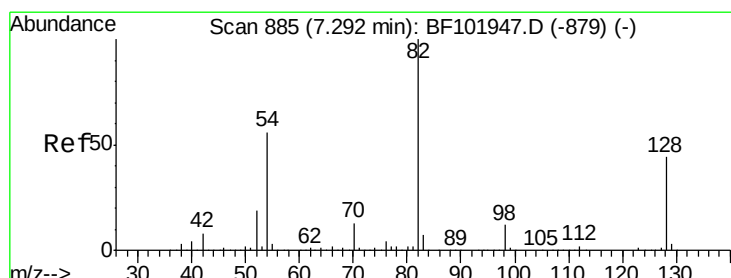
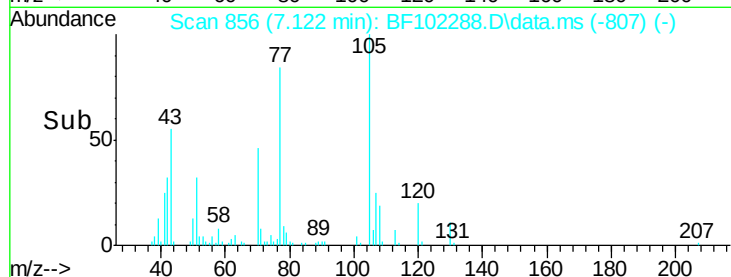
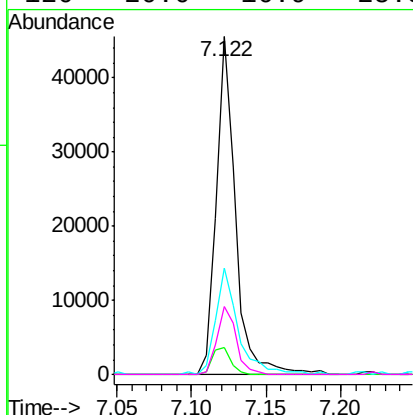
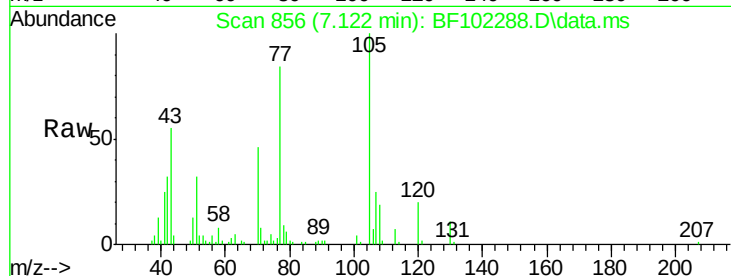
Ion Ratio Lower Upper

105 100

71 8.1 4.4 6.6#

51 31.5 22.3 33.5

120 20.0 16.9 25.3



#23

Nitrobenzene-d5

Concen: 5.65 ng

RT: 7.275 min Scan# 882

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

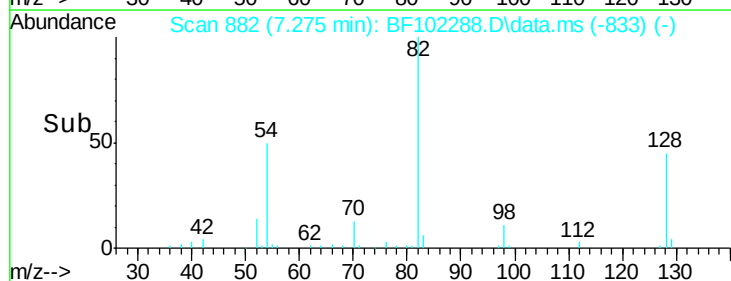
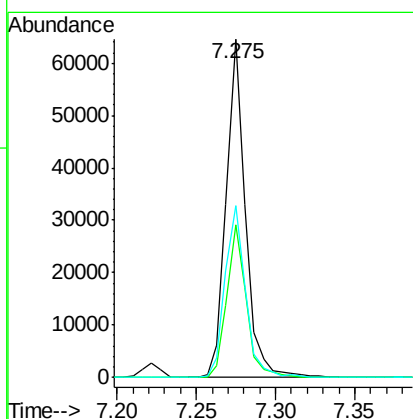
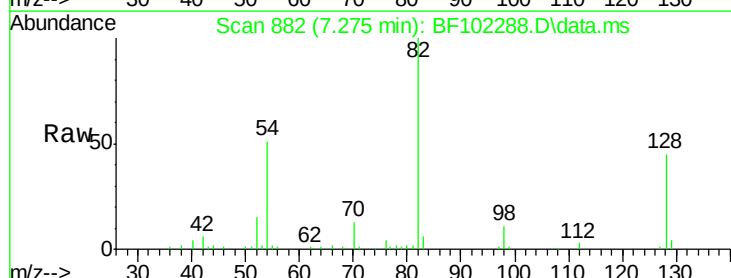
Tgt Ion: 82 Resp: 54046

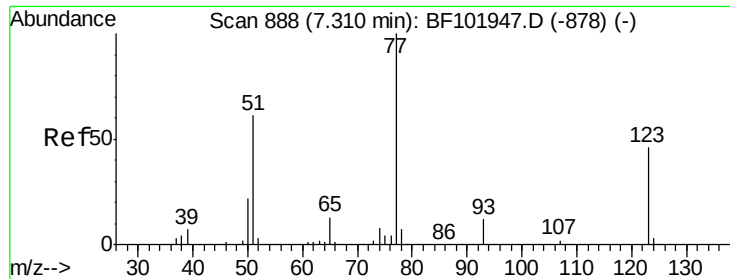
Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

54 50.9 41.4 62.2





#24

Nitrobenzene

Concen: 2.73 ng

RT: 7.292 min Scan# 88

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

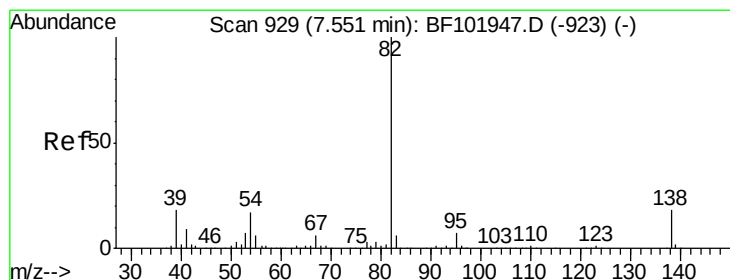
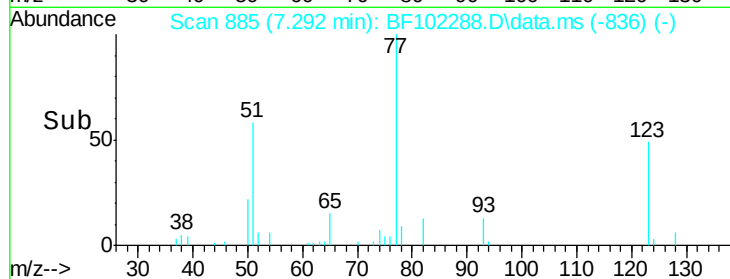
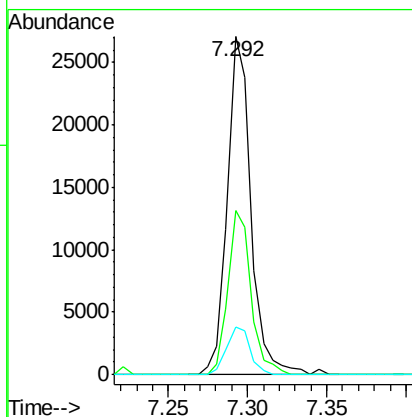
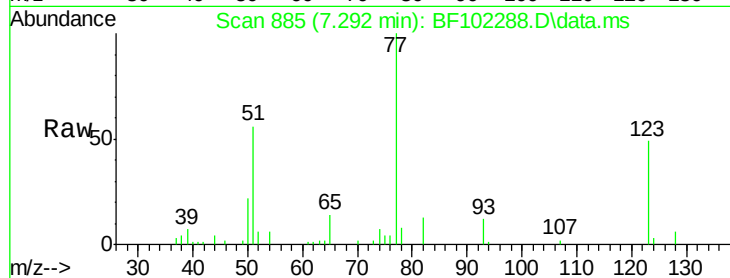
Tot Ion: 77 Resp: 28041

Ion Ratio Lower Upper

77 100

123 48.7 37.9 56.9

65 13.9 11.0 16.4



#25

Isophorone

Concen: 2.52 ng

RT: 7.533 min Scan# 926

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

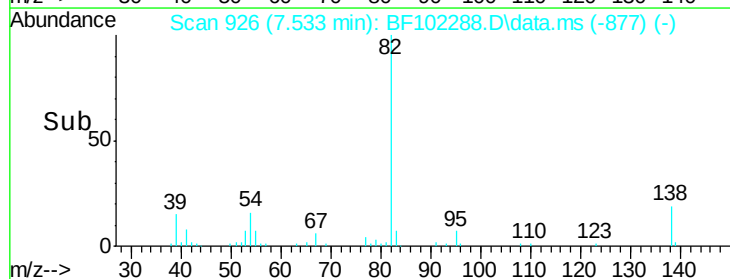
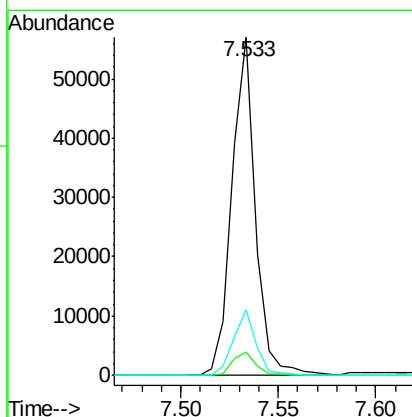
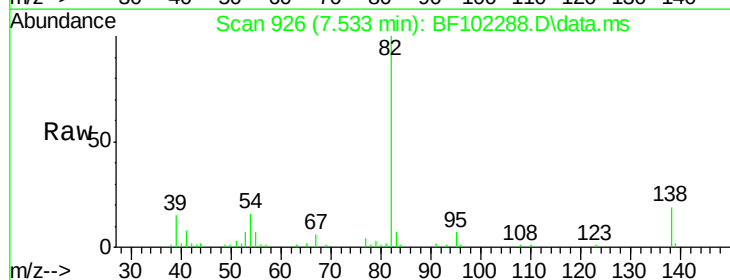
Tgt Ion: 82 Resp: 47628

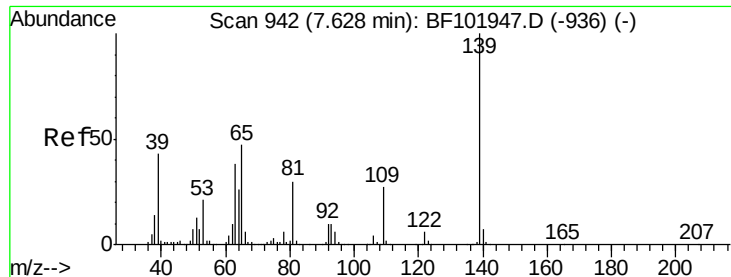
Ion Ratio Lower Upper

82 100

95 7.0 5.2 7.8

138 19.4 14.9 22.3





#26

2-Nitrophenol

Concen: 3.12 ng

RT: 7.616 min Scan# 947

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampled :

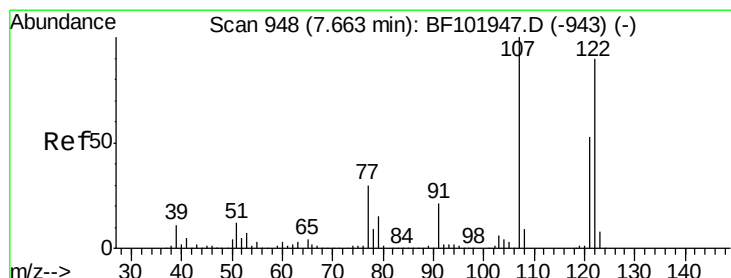
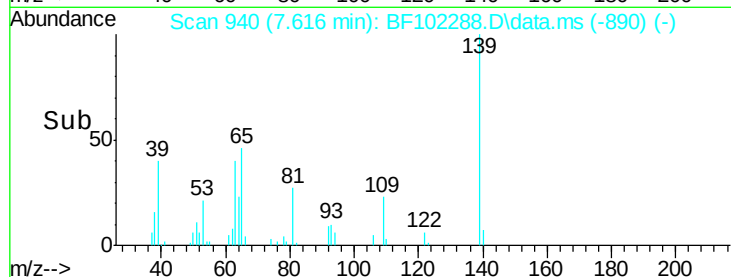
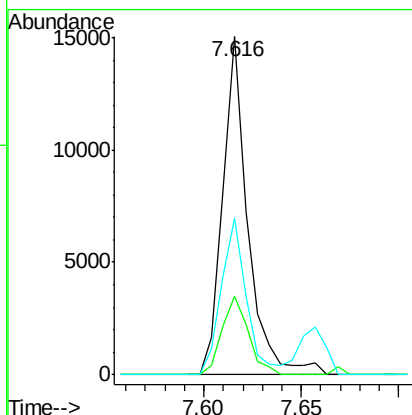
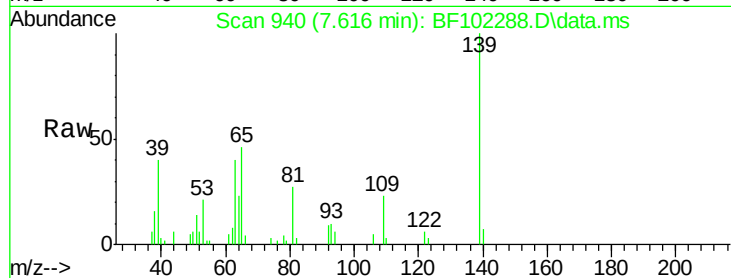
Tot Ion:139 Resp: 13412

Ion Ratio Lower Upper

139 100

109 23.0 22.7 34.1

65 46.1 40.5 60.7



#27

2,4-Dimethylphenol

Concen: 2.57 ng

RT: 7.657 min Scan# 947

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

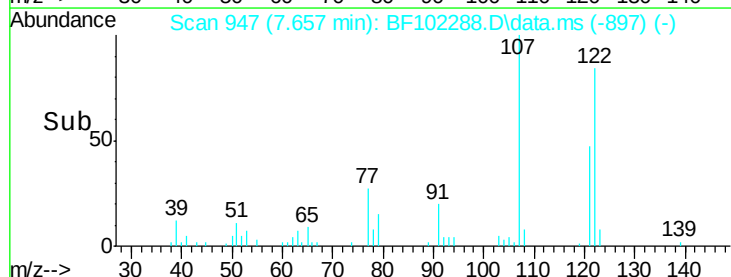
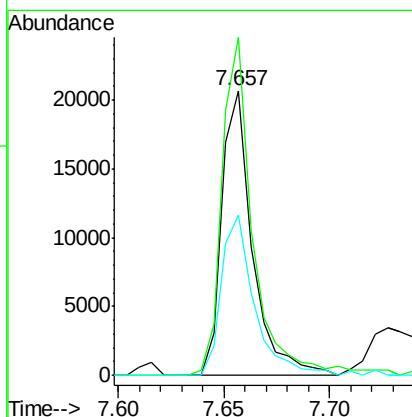
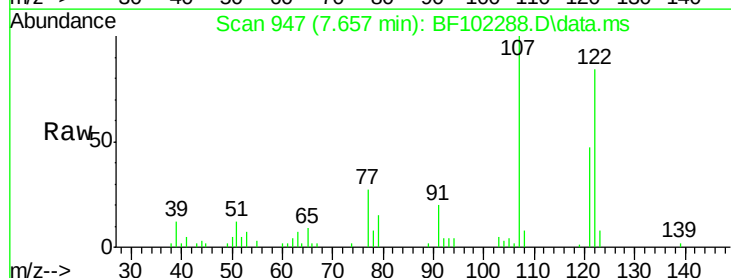
Tgt Ion:122 Resp: 20661

Ion Ratio Lower Upper

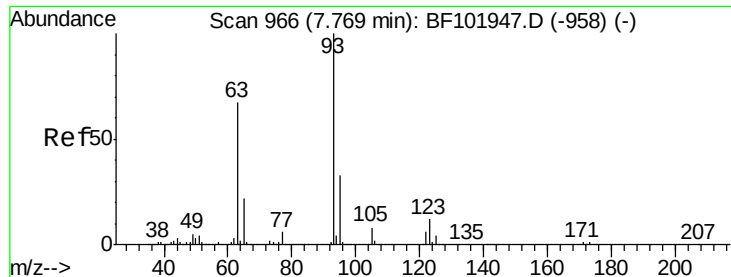
122 100

107 118.7 91.2 136.8

121 56.2 47.2 70.8



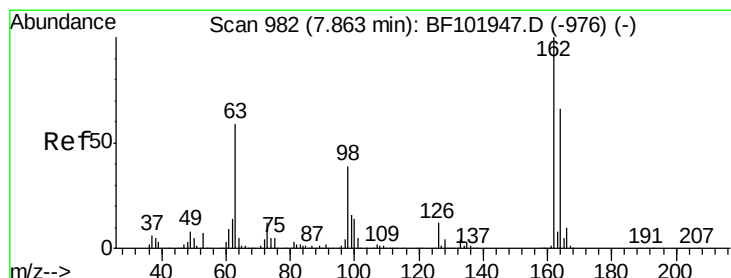
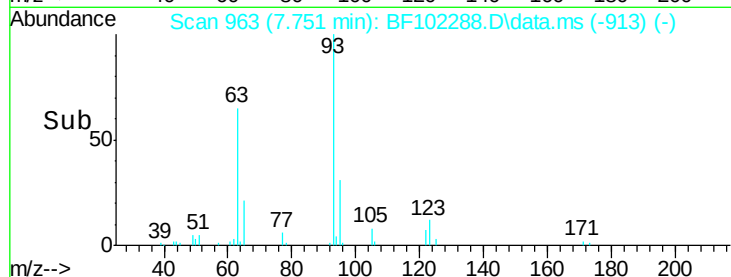
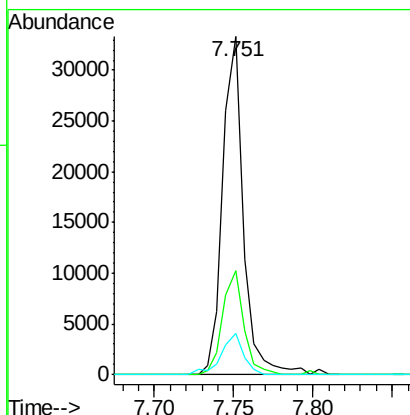
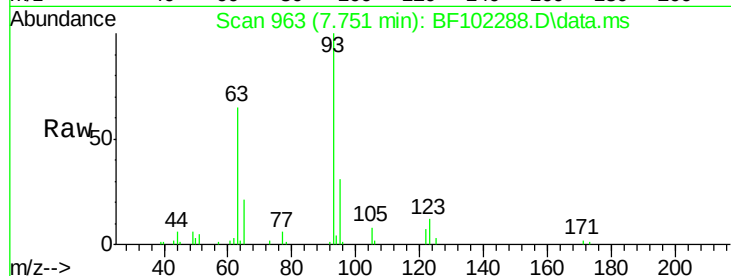




#28  
bis(2-Chloroethoxy)methane  
Concen: 2.64 ng  
RT: 7.751 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

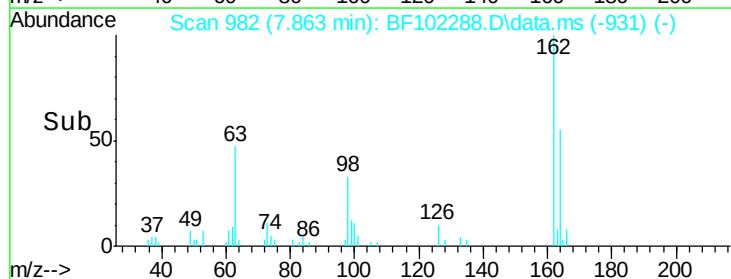
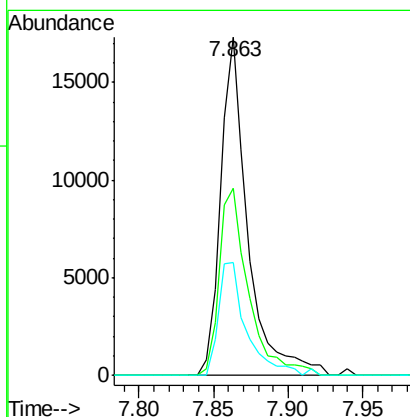
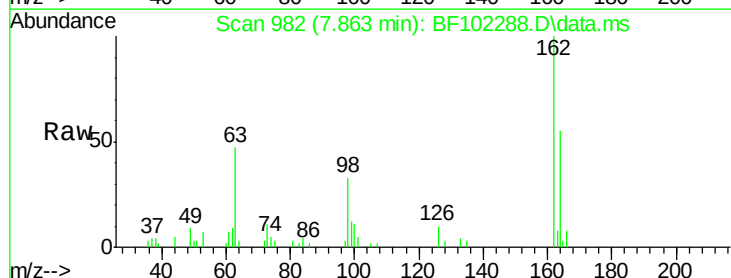
Instrument :  
BNA\_F  
ClientSampleId :

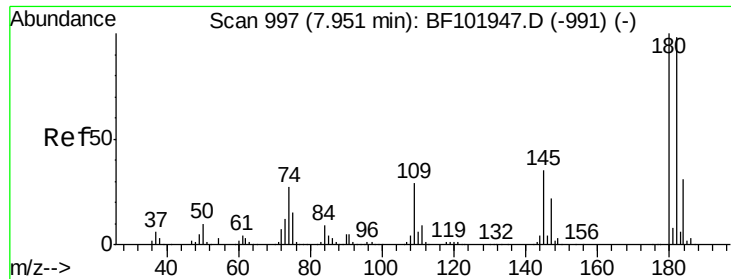
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 30.7  | 26.3  | 39.5  |
| 123     | 12.0  | 9.8   | 14.6  |



#29  
2,4-Dichlorophenol  
Concen: 2.89 ng  
RT: 7.863 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 55.4  | 42.7  | 82.7  |
| 98      | 33.3  | 18.1  | 58.1  |

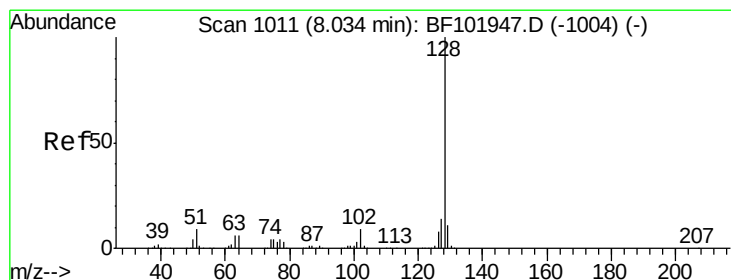
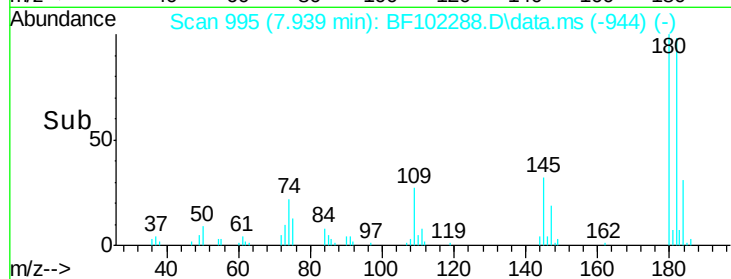
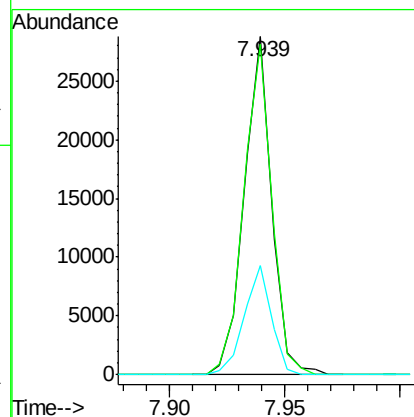
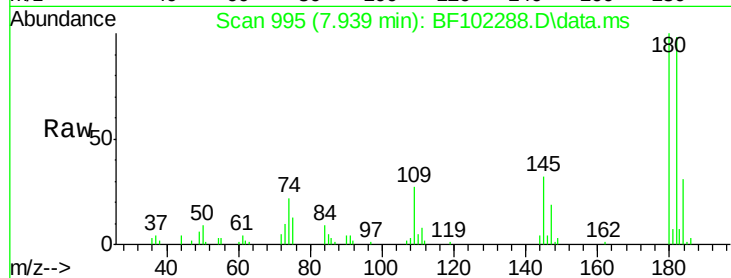




#30  
1,2,4-Trichlorobenzene  
Concen: 3.00 ng  
RT: 7.939 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

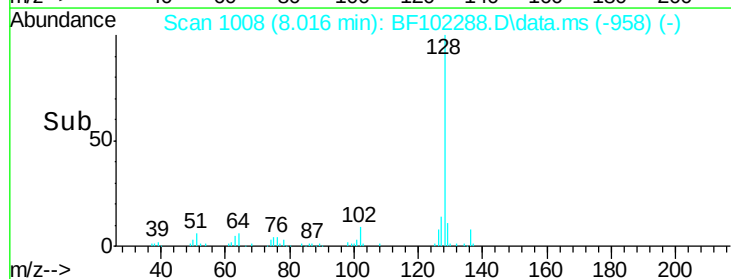
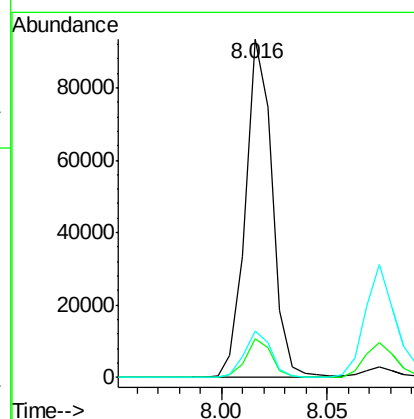
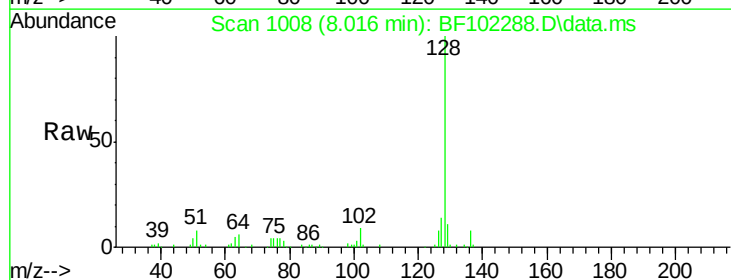
Instrument :  
BNA\_F  
ClientSampleId :

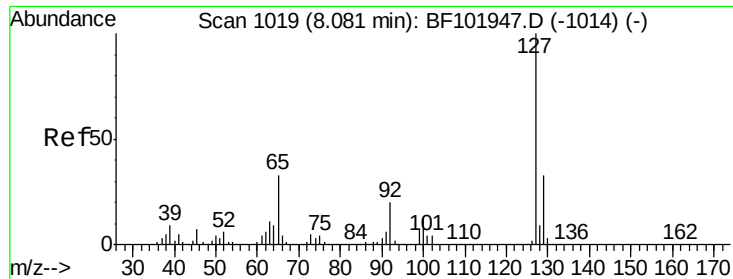
Tot Ion:180 Resp: 23945  
Ion Ratio Lower Upper  
180 100  
182 97.7 76.8 115.2  
145 32.3 26.5 39.7



#31  
Naphthalene  
Concen: 2.92 ng  
RT: 8.016 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:128 Resp: 82165  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.8 10.9 16.3

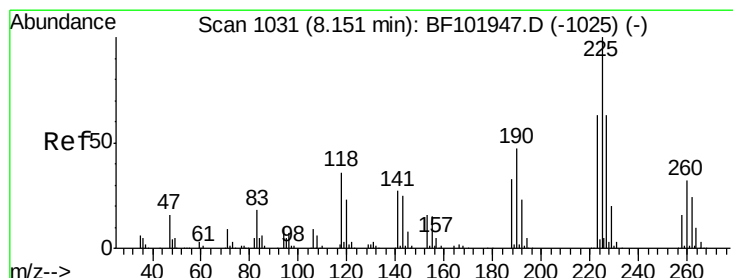
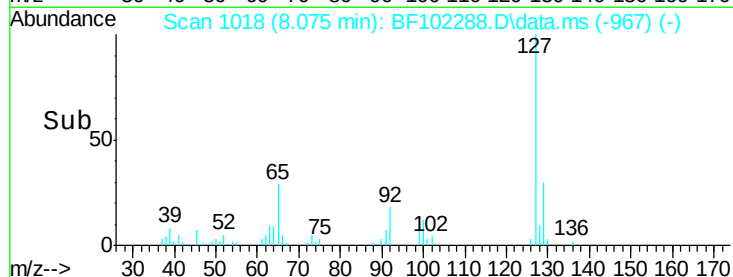
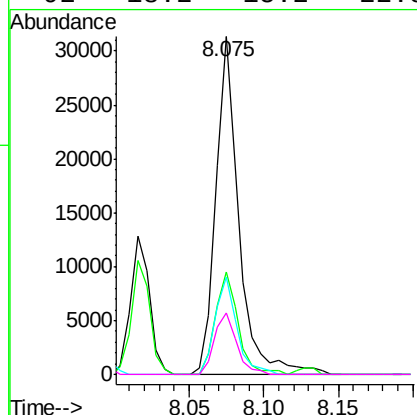
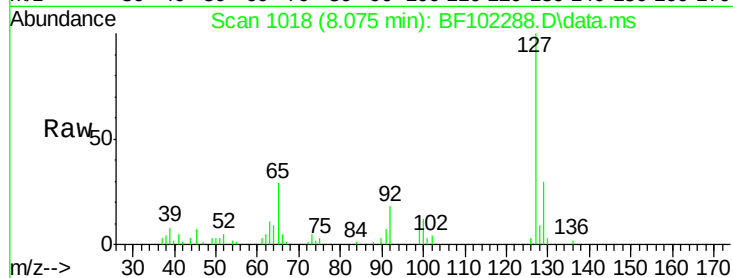




#33  
4-Chloroaniline  
Concen: 2.81 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

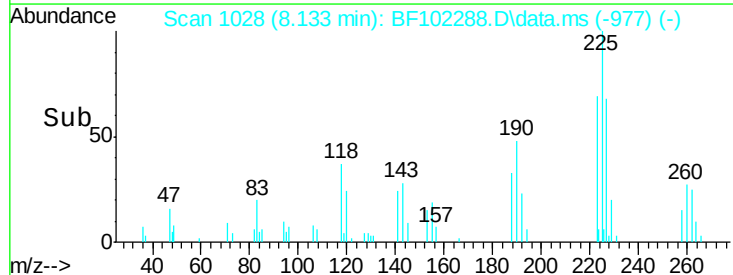
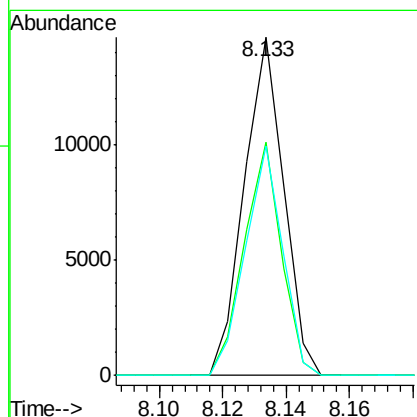
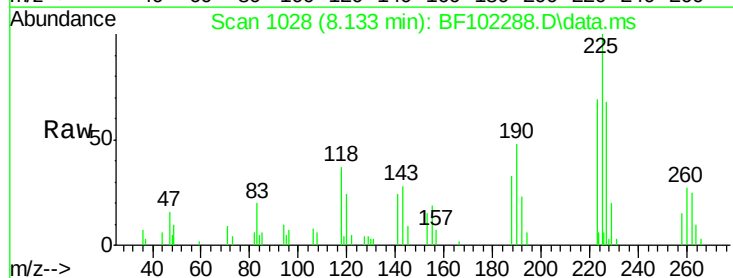
Instrument :  
BNA\_F  
ClientSampleId :

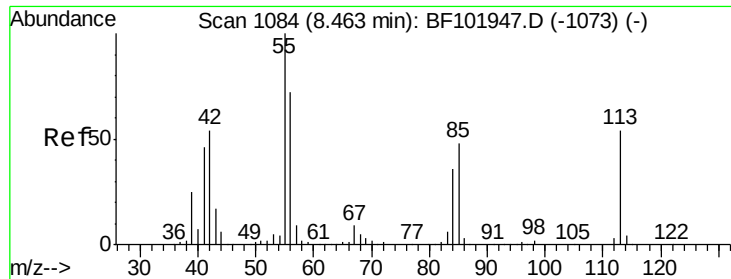
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 33699 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.3  | 25.9  | 38.9  |
| 65       | 28.8  | 25.0  | 37.4  |
| 92       | 18.2  | 15.2  | 22.8  |



#34  
Hexachlorobutadiene  
Concen: 2.99 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 12630 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 69.1  | 50.6  | 76.0  |
| 227      | 67.8  | 51.9  | 77.9  |

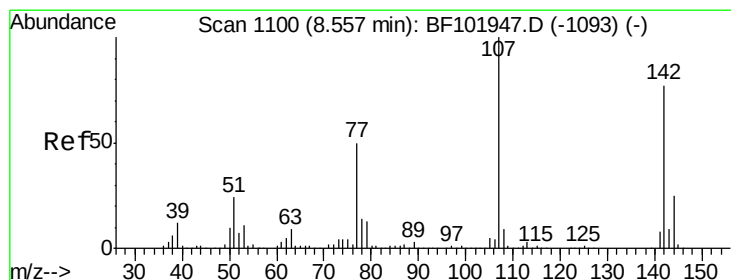
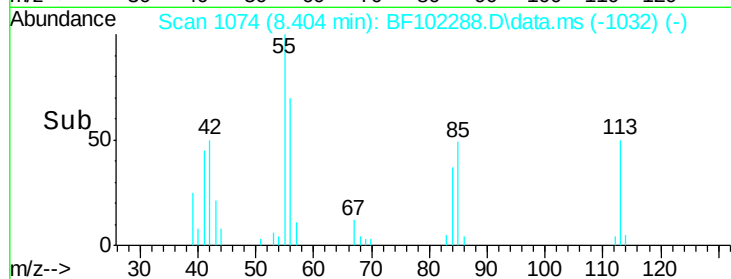
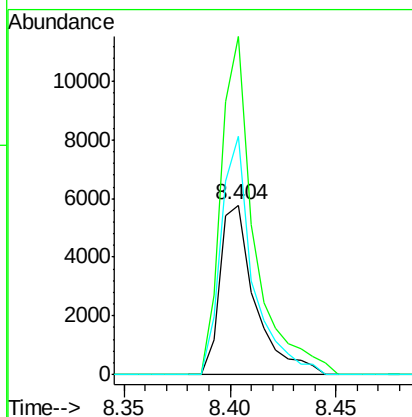
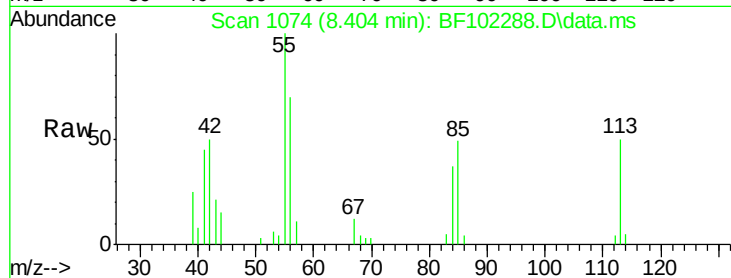




#35  
 Caprolactam  
 Concen: 2.55 ng  
 RT: 8.404 min Scan# 10  
 Delta R.T. -0.053 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

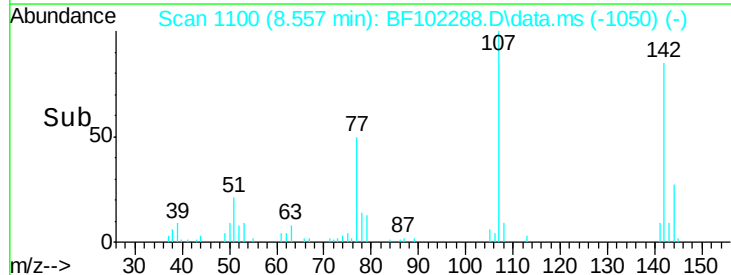
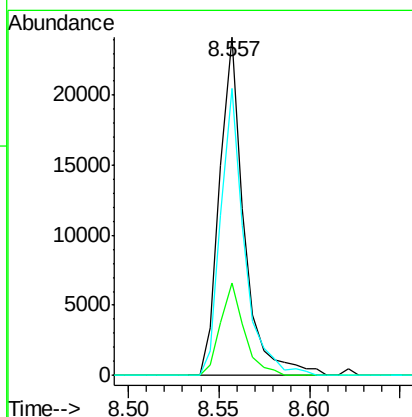
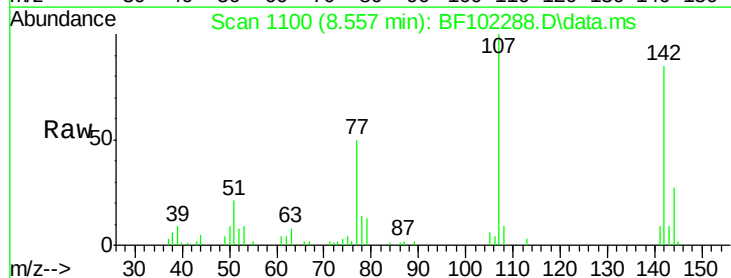
Instrument :  
 BNA\_F  
 ClientSampleId :

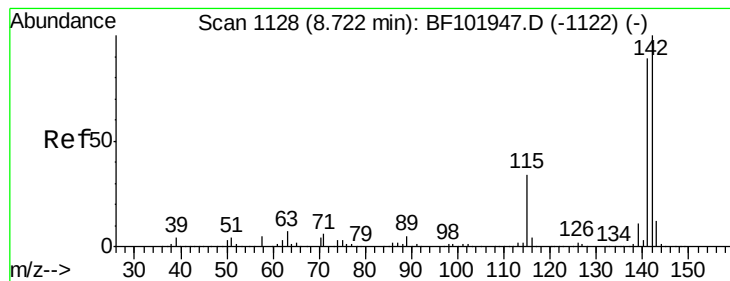
Tot Ion:113 Resp: 6676  
 Ion Ratio Lower Upper  
 113 100  
 55 199.2 163.3 203.3  
 56 140.0 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 2.71 ng  
 RT: 8.557 min Scan# 1100  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

Tgt Ion:107 Resp: 22646  
 Ion Ratio Lower Upper  
 107 100  
 144 27.2 20.5 30.7  
 142 85.0 62.0 93.0





#37

2-Methylnaphthalene

Concen: 3.01 ng

RT: 8.710 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

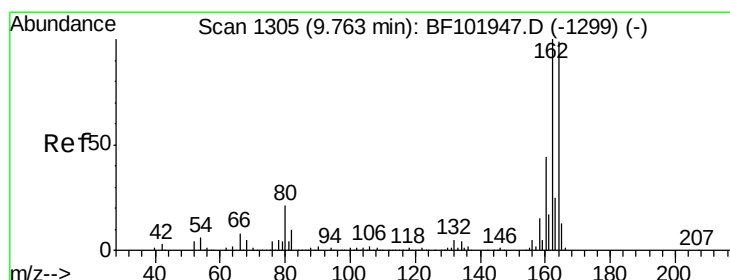
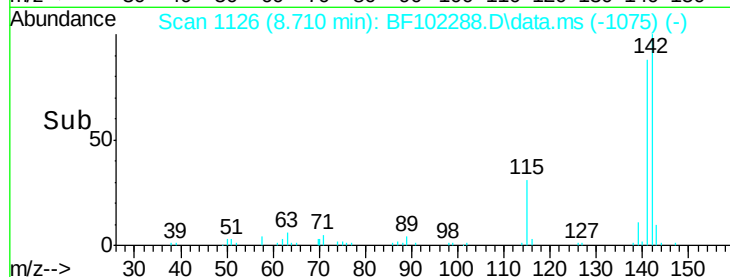
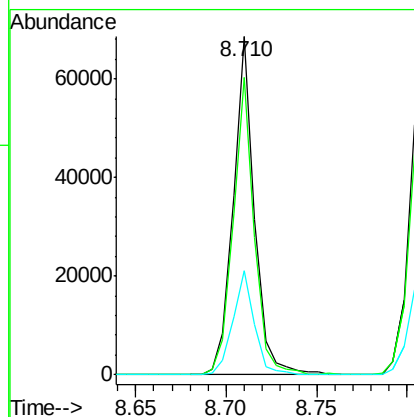
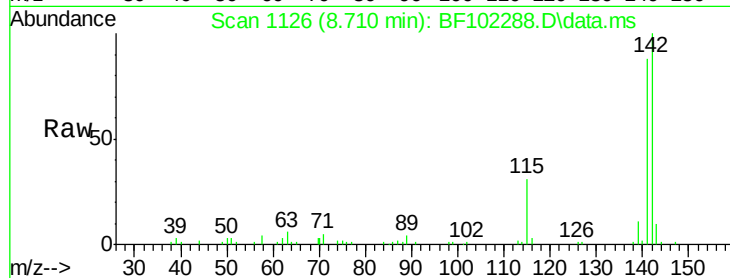
Tot Ion:142 Resp: 55709

Ion Ratio Lower Upper

142 100

141 87.7 70.8 106.2

115 30.8 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

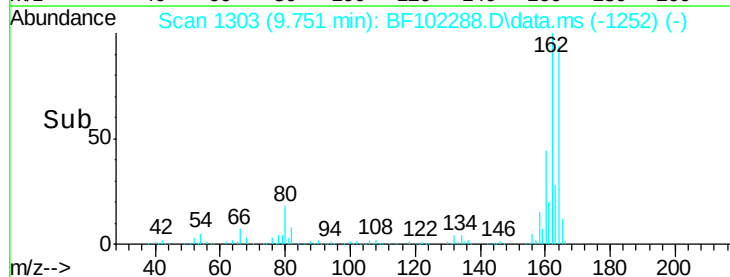
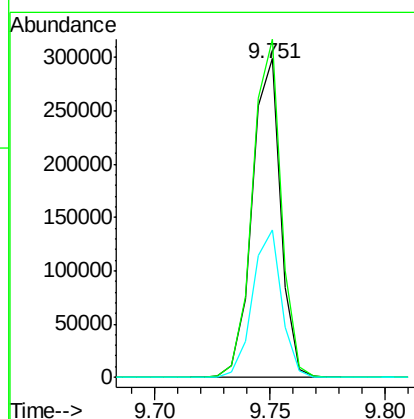
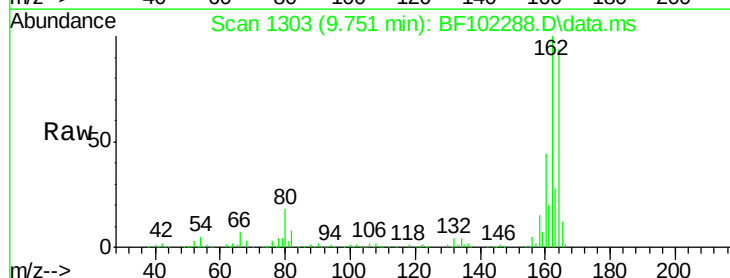
Tgt Ion:164 Resp: 258713

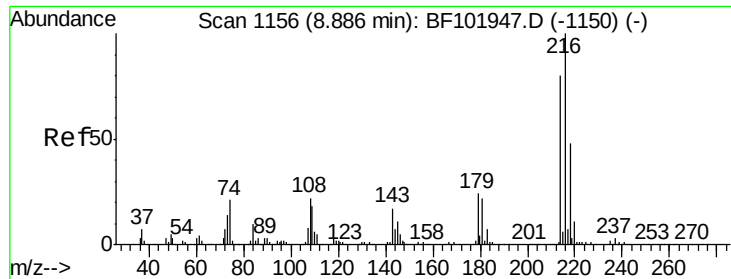
Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

160 46.3 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 3.07 ng

RT: 8.875 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 22438

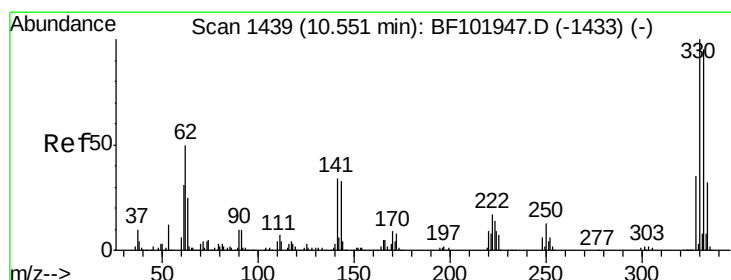
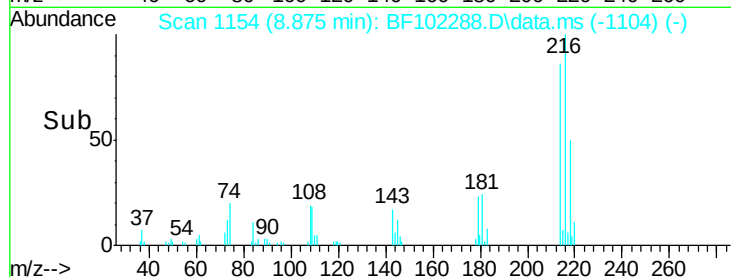
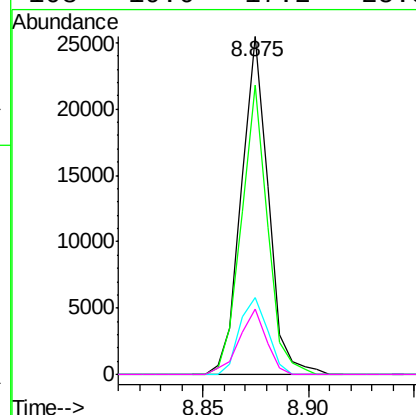
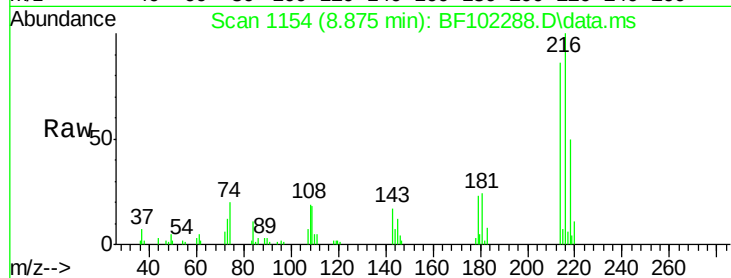
Ion Ratio Lower Upper

216 100

214 83.0 63.0 94.4

179 23.3 18.1 27.1

108 19.6 17.2 25.8



#41

2,4,6-Tribromophenol

Concen: 6.52 ng

RT: 10.533 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

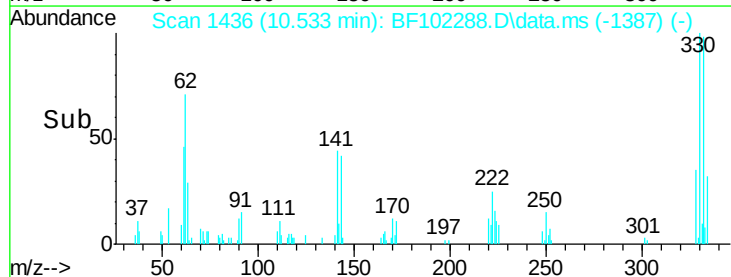
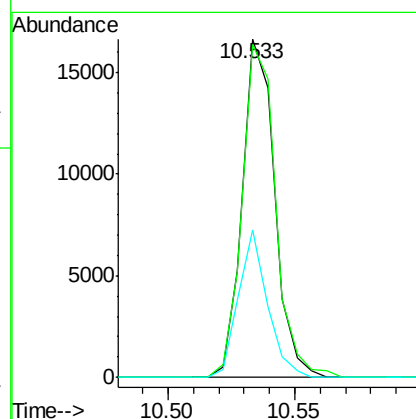
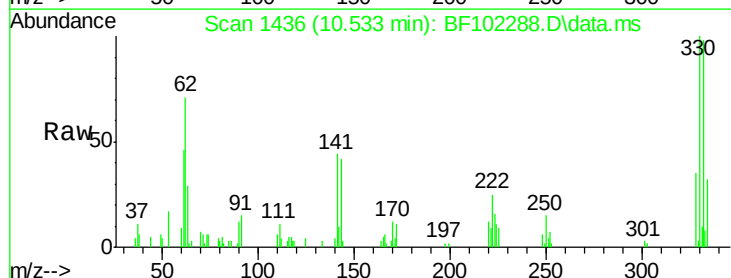
Tgt Ion:330 Resp: 14730

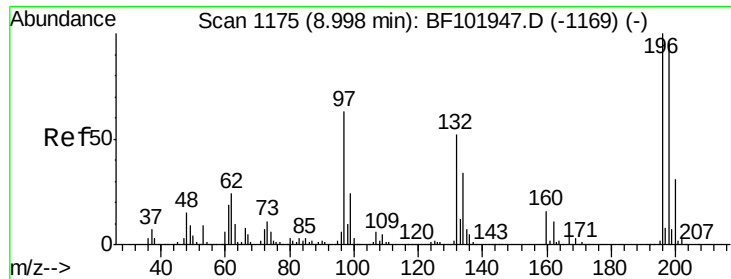
Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

141 38.9 29.9 44.9

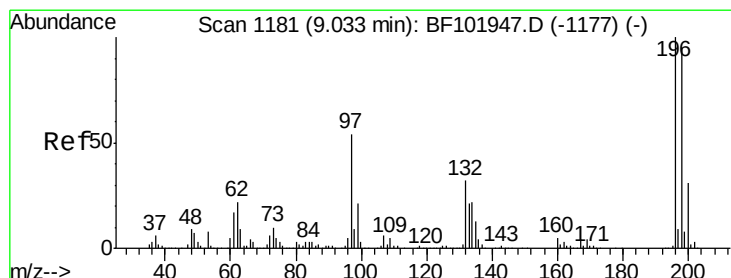
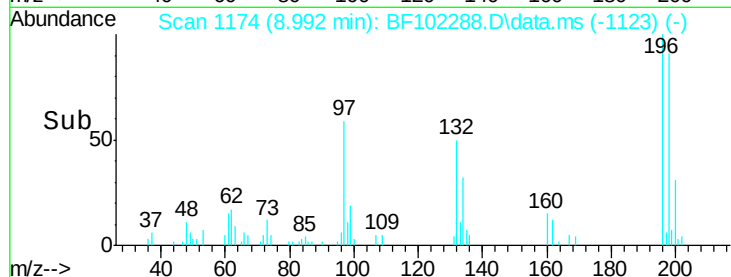
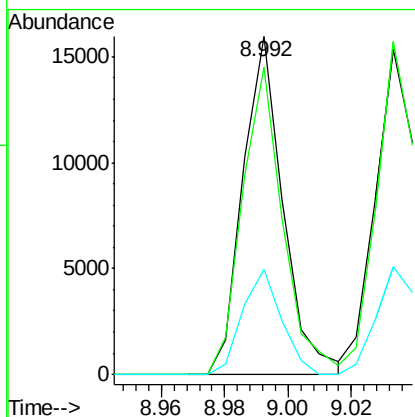
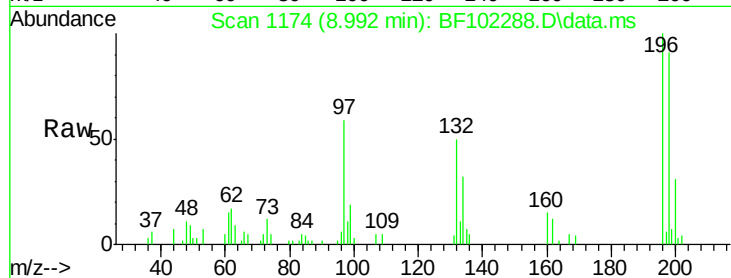




#42  
 2,4,6-Trichlorophenol  
 Concen: 2.79 ng  
 RT: 8.992 min Scan# 1175  
 Delta R.T. -0.000 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

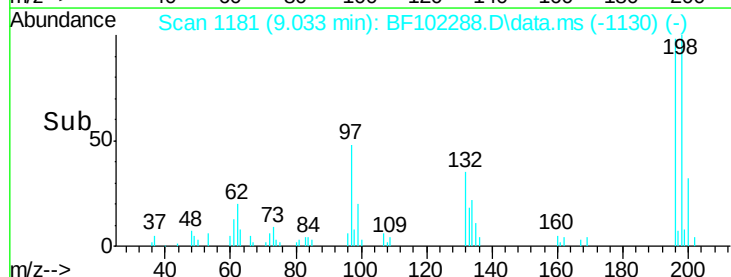
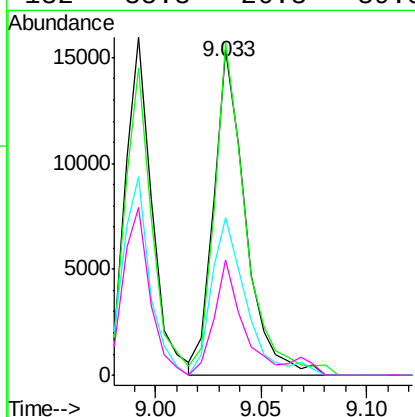
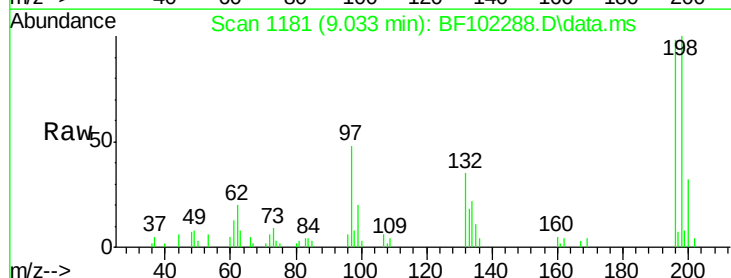
Instrument :  
 BNA\_F  
 ClientSampleId :

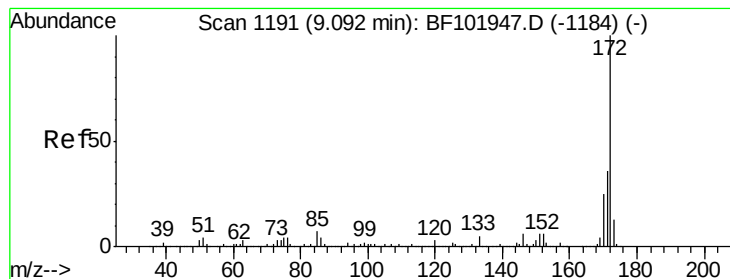
Tot Ion:196 Resp: 14070  
 Ion Ratio Lower Upper  
 196 100  
 198 90.8 75.7 113.5  
 200 31.1 24.5 36.7



#43  
 2,4,5-Trichlorophenol  
 Concen: 2.82 ng  
 RT: 9.033 min Scan# 1181  
 Delta R.T. -0.000 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

Tgt Ion:196 Resp: 16079  
 Ion Ratio Lower Upper  
 196 100  
 198 102.1 74.6 112.0  
 97 48.5 42.9 64.3  
 132 35.3 26.3 39.5





#44

2-Fluorobiphenyl

Concen: 7.38 ng

RT: 9.069 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampled :

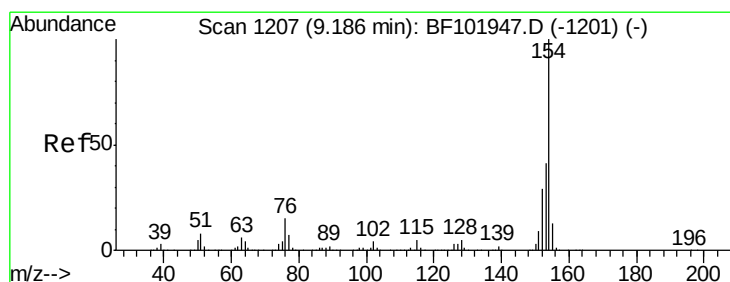
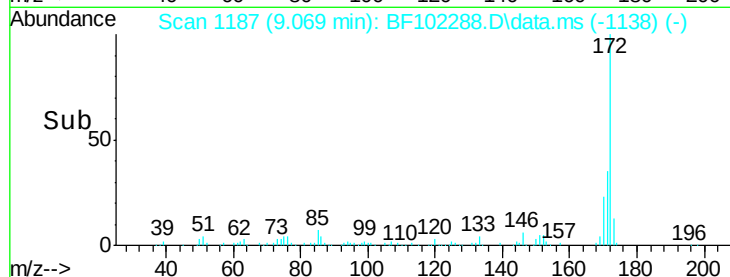
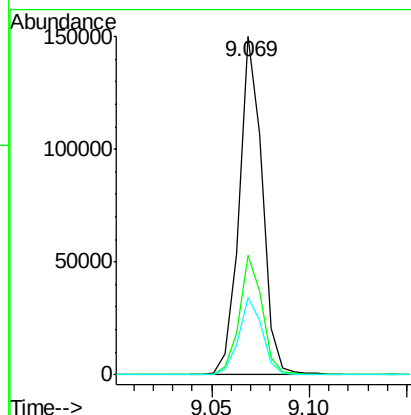
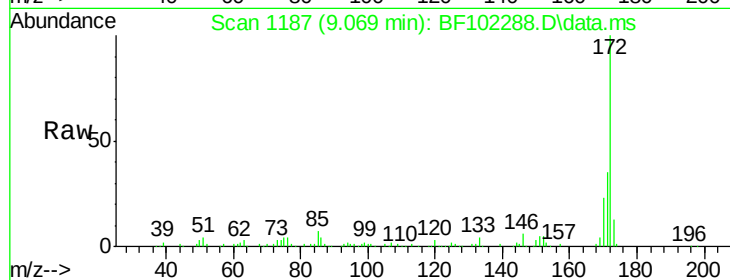
Tot Ion:172 Resp: 122283

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

170 22.9 19.6 29.4



#45

1,1'-Biphenyl

Concen: 3.05 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

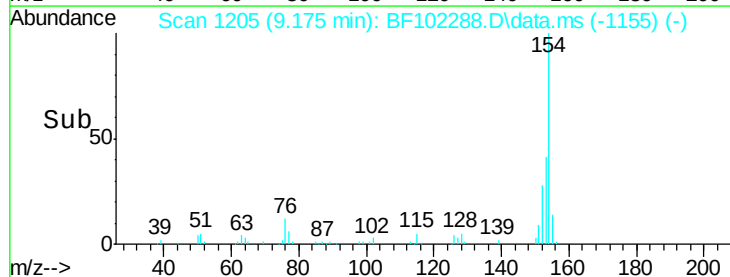
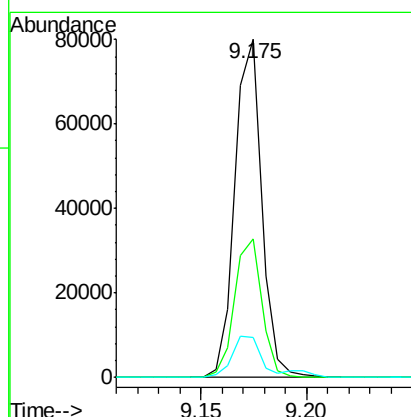
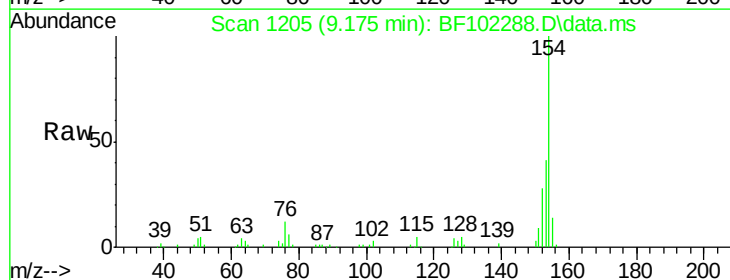
Tgt Ion:154 Resp: 69752

Ion Ratio Lower Upper

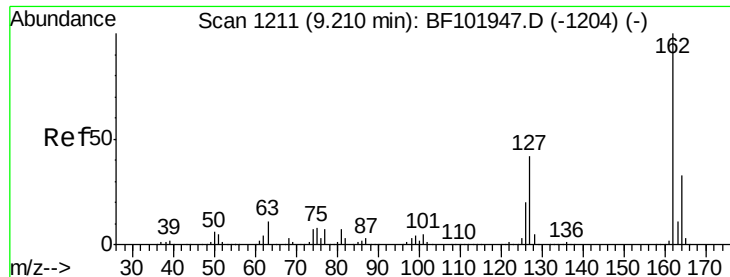
154 100

153 40.8 21.3 61.3

76 11.9 0.0 34.0



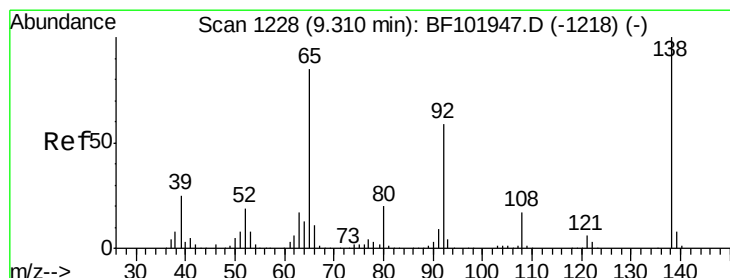
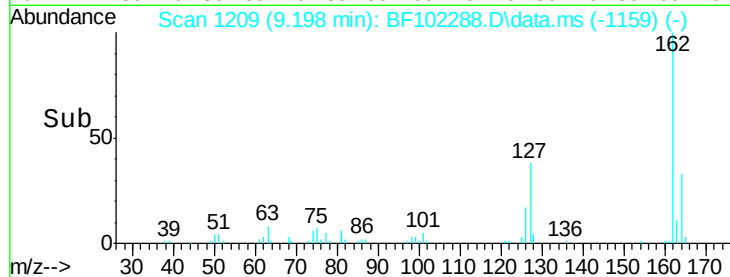
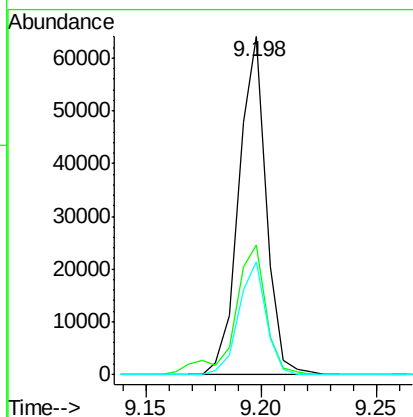
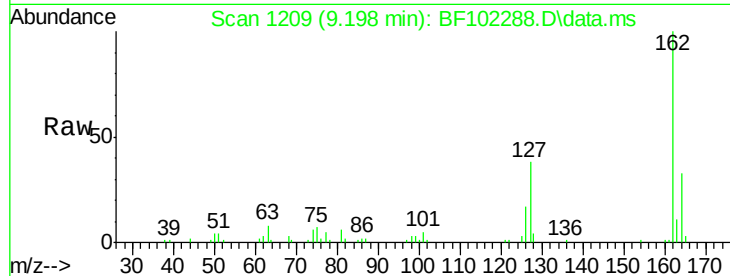




#46  
2-Chloronaphthalene  
Concen: 2.99 ng  
RT: 9.198 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

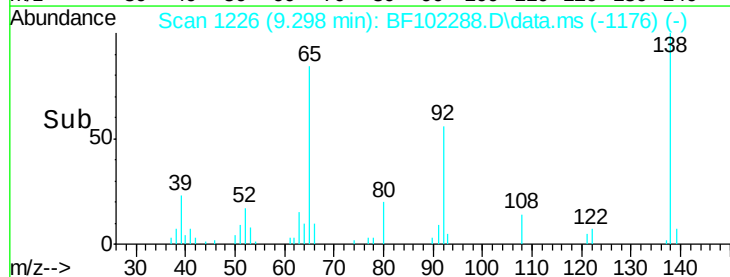
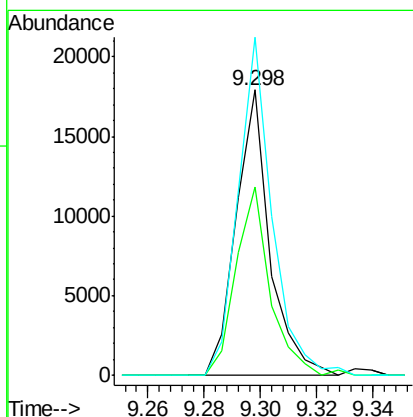
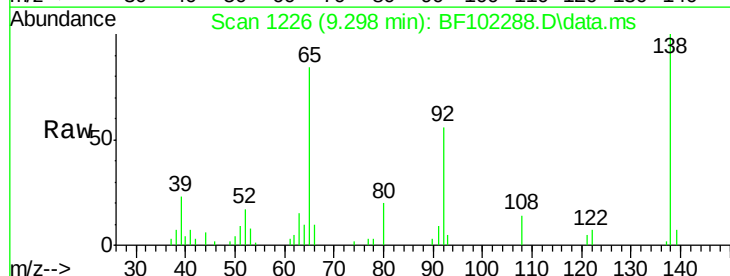
Instrument :  
BNA\_F  
ClientSampleId :

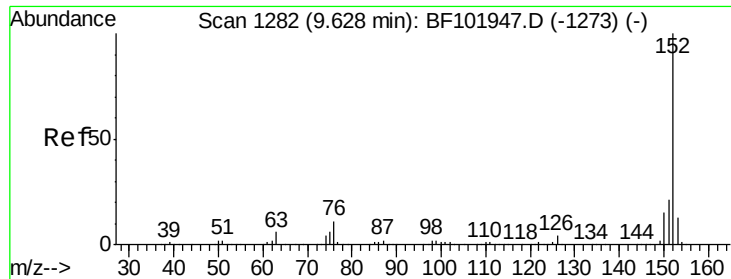
Tot Ion:162 Resp: 52955  
Ion Ratio Lower Upper  
162 100  
127 38.4 33.9 50.9  
164 33.2 26.5 39.7



#47  
2-Nitroaniline  
Concen: 2.80 ng  
RT: 9.298 min Scan# 1226  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion: 65 Resp: 14850  
Ion Ratio Lower Upper  
65 100  
92 66.1 55.8 83.6  
138 118.4 91.2 136.8





#48

Acenaphthylene

Concen: 3.06 ng

RT: 9.610 min Scan# 12

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

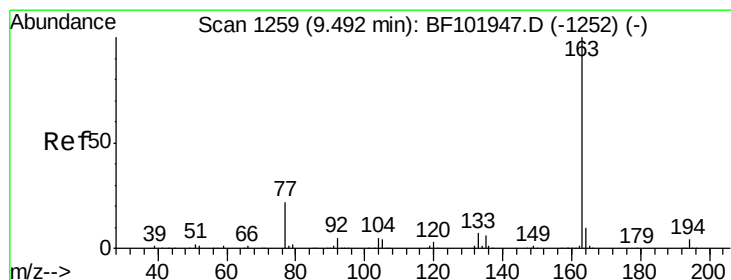
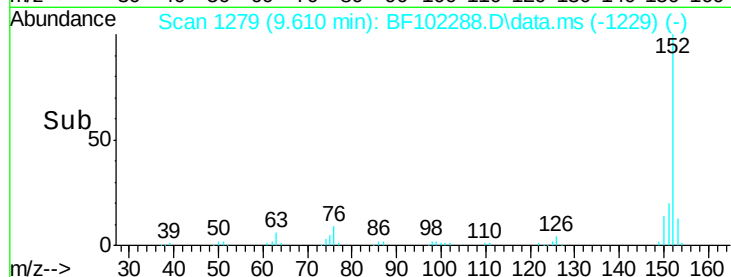
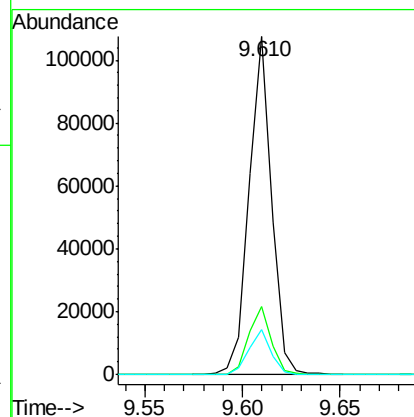
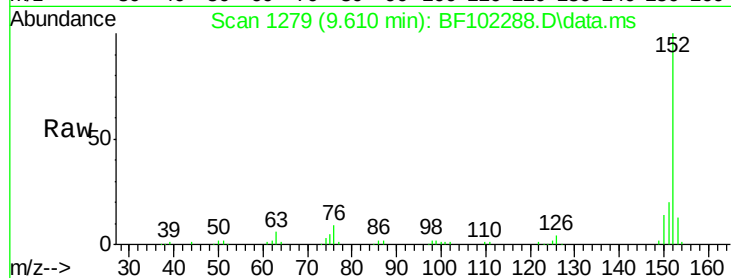
Tot Ion:152 Resp: 86014

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 13.4 10.7 16.1



#49

Dimethylphthalate

Concen: 3.04 ng

RT: 9.469 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

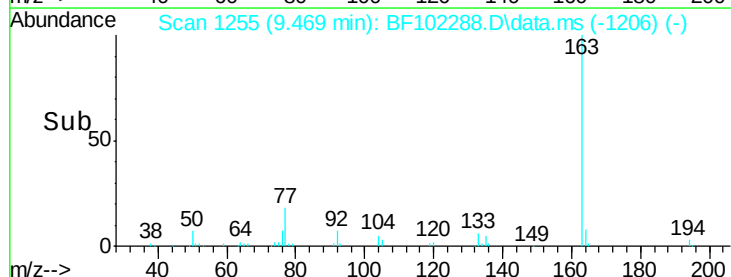
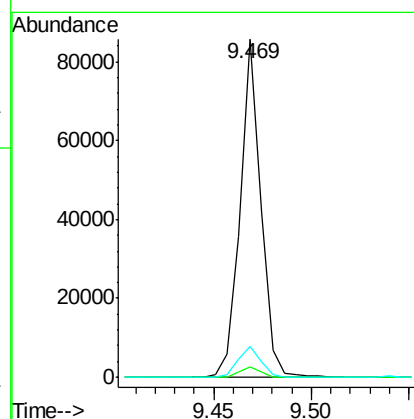
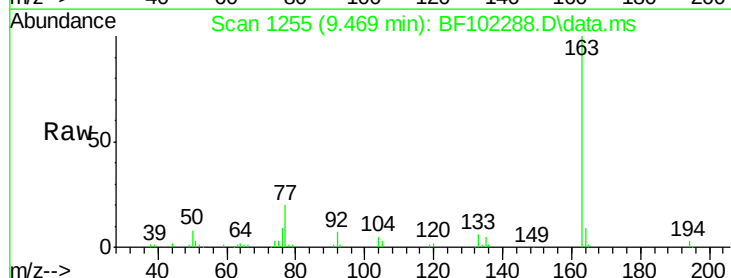
Tgt Ion:163 Resp: 63193

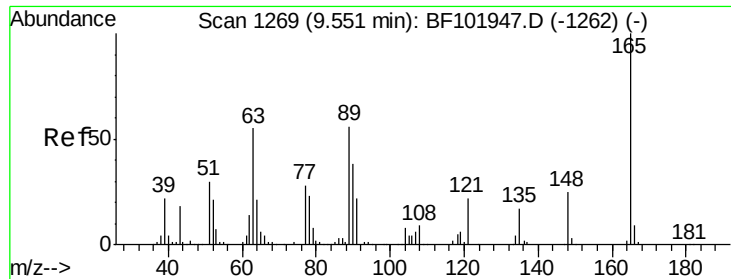
Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

164 9.2 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 3.08 ng

RT: 9.533 min Scan# 12

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

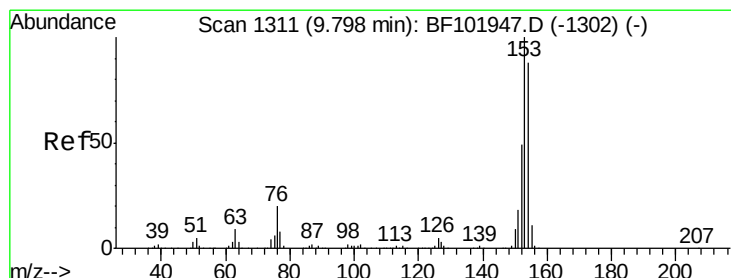
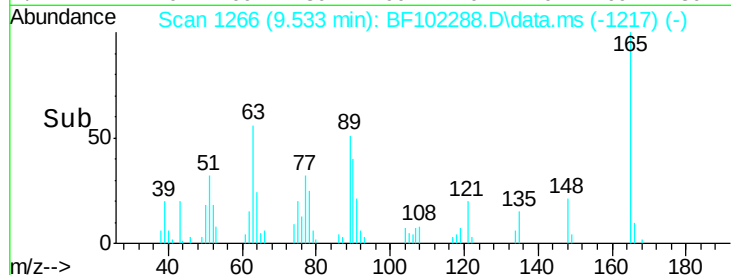
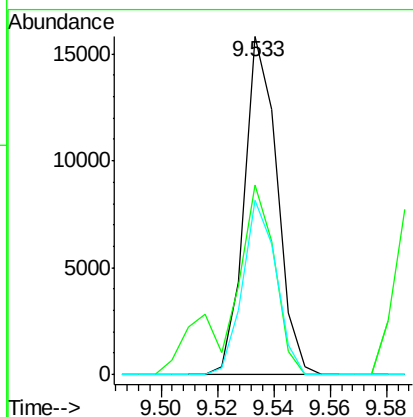
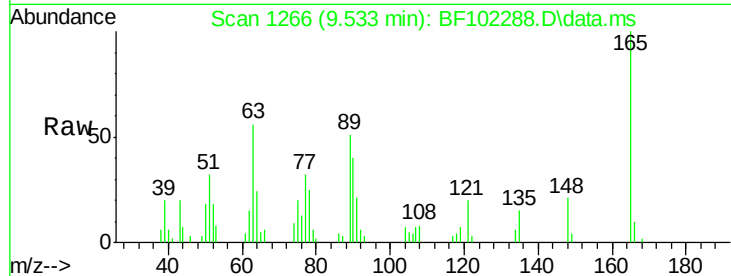
Tot Ion:165 Resp: 12765

Ion Ratio Lower Upper

165 100

63 55.9 44.7 67.1

89 51.5 44.0 66.0



#51

Acenaphthene

Concen: 3.02 ng

RT: 9.780 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

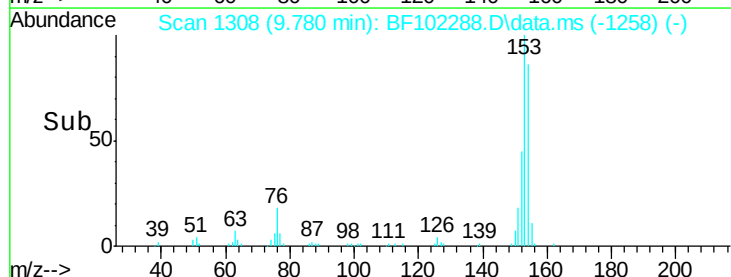
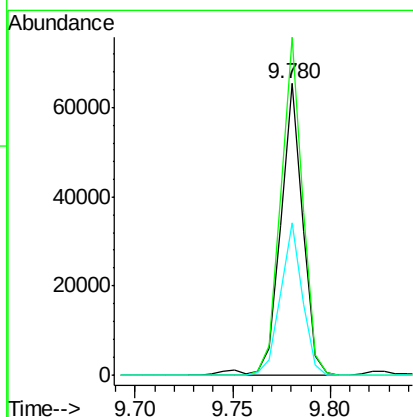
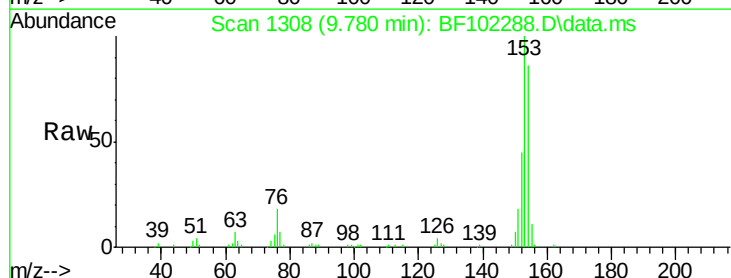
Tgt Ion:154 Resp: 51517

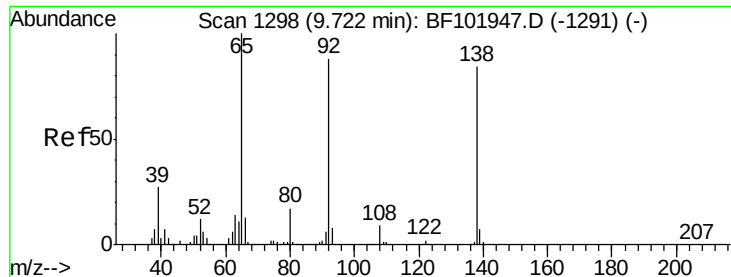
Ion Ratio Lower Upper

154 100

153 115.8 91.2 136.8

152 52.0 43.8 65.8

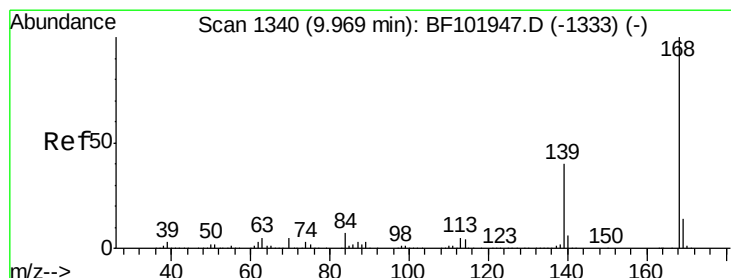
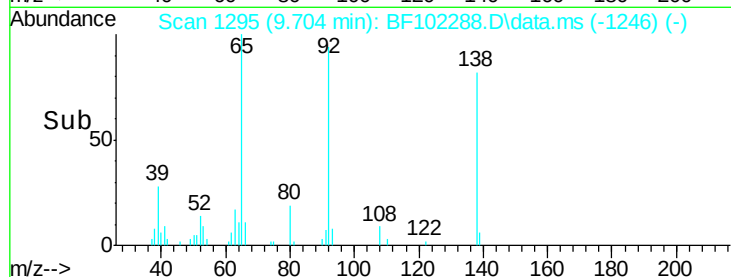
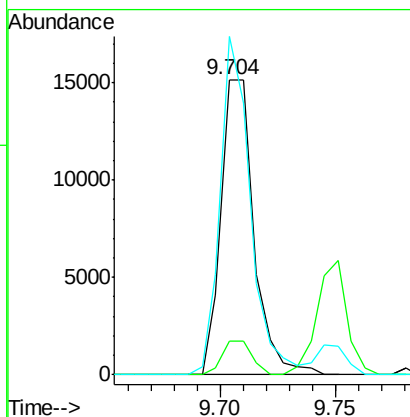
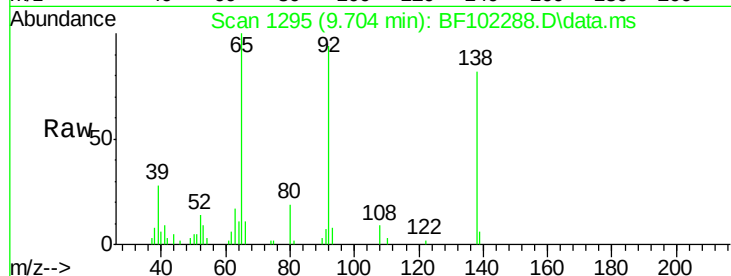




#52  
3-Nitroaniline  
Concen: 2.88 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. -0.012 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

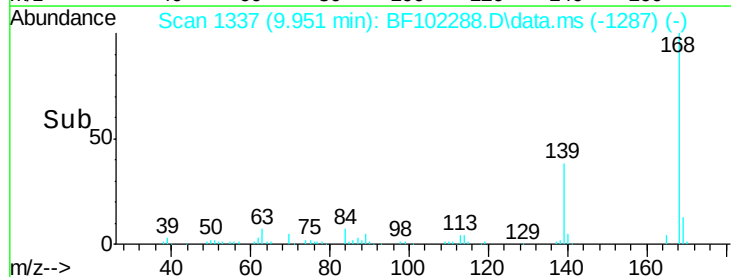
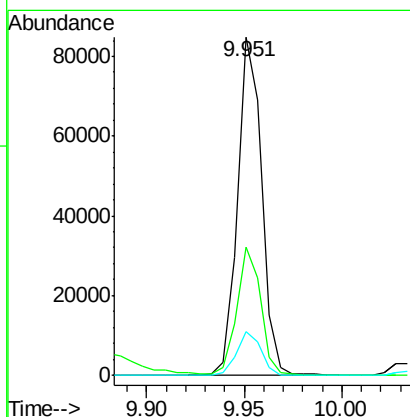
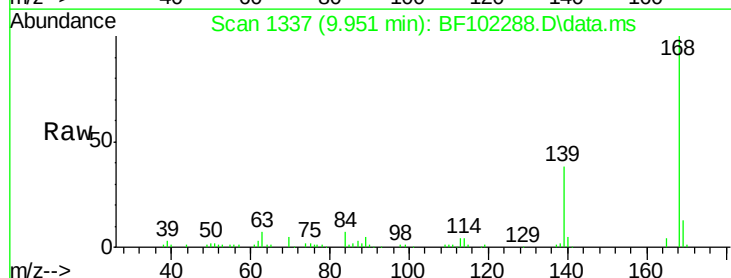
Instrument :  
BNA\_F  
ClientSampleId :

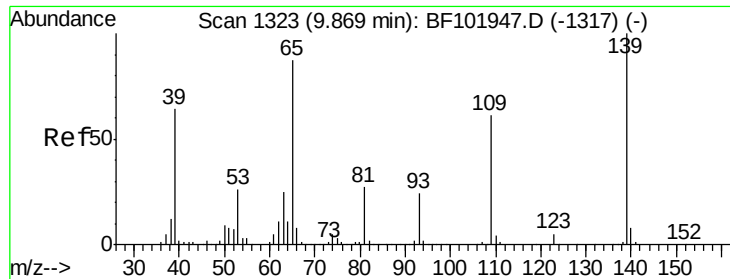
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.5  | 9.4   | 14.0  |
| 92      | 114.6 | 89.4  | 134.2 |



#54  
Dibenzofuran  
Concen: 3.10 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 37.7  | 30.1  | 45.1  |
| 169     | 13.0  | 10.9  | 16.3  |

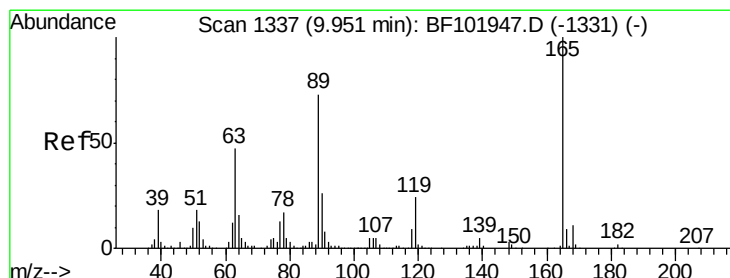
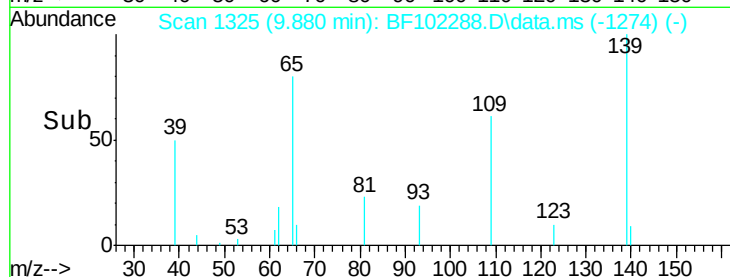
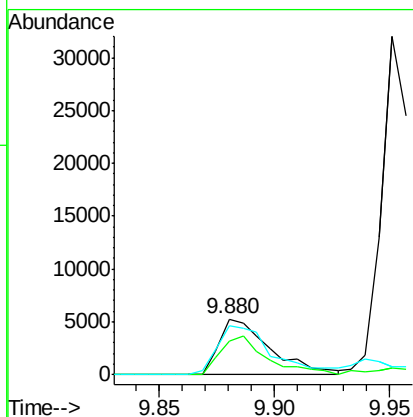
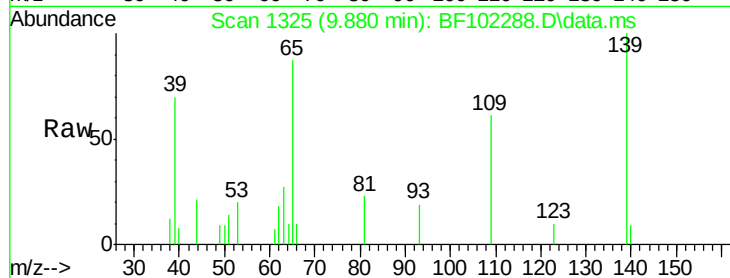




#55  
4-Nitrophenol  
Concen: 2.07 ng  
RT: 9.880 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

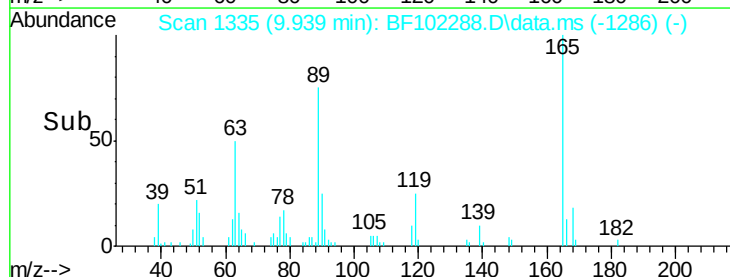
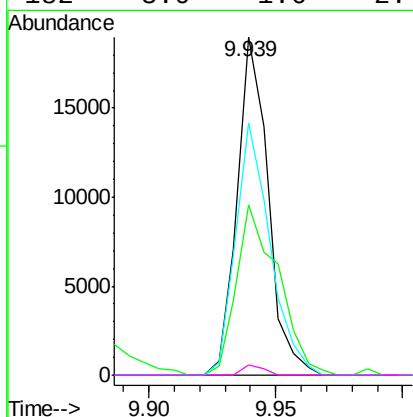
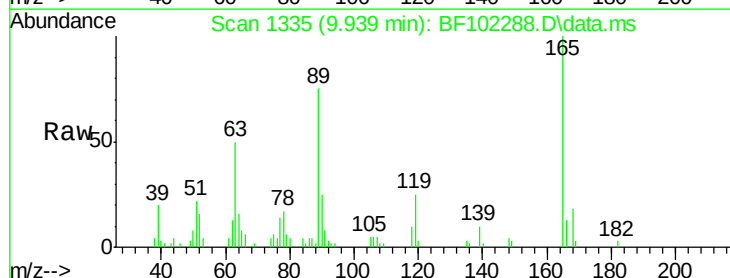
Instrument :  
BNA\_F  
ClientSampleId :

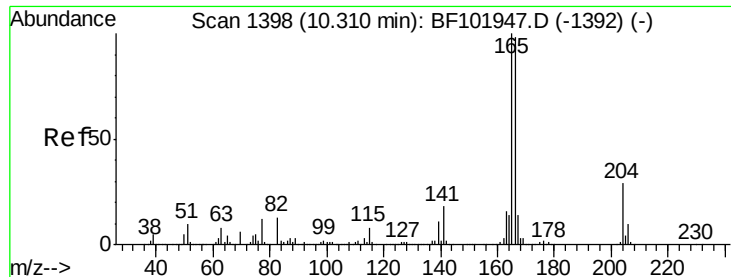
Tot Ion:139 Resp: 8060  
Ion Ratio Lower Upper  
139 100  
109 61.3 48.4 88.4  
65 86.9 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 3.10 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.012 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:165 Resp: 16119  
Ion Ratio Lower Upper  
165 100  
63 50.4 36.4 54.6  
89 74.8 57.8 86.6  
182 3.0 1.6 2.4#

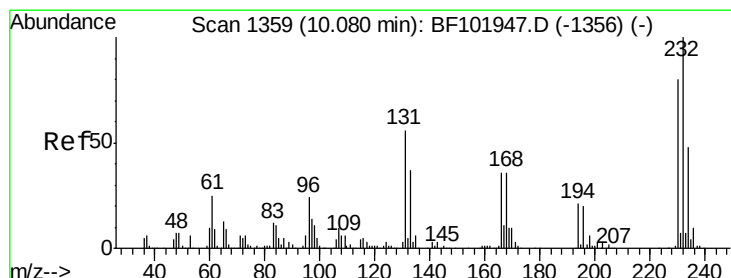
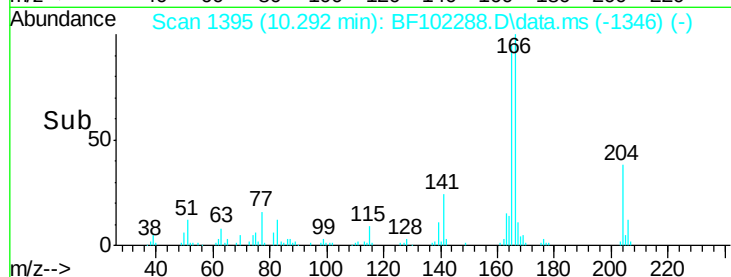
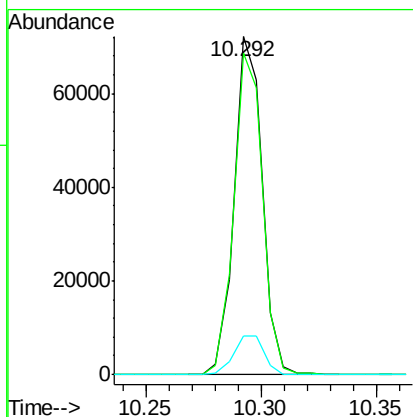
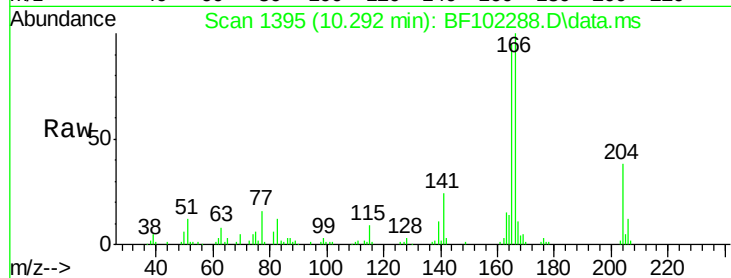




#57  
 Fluorene  
 Concen: 3.77 ng  
 RT: 10.292 min Scan# 1395  
 Delta R.T. -0.012 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

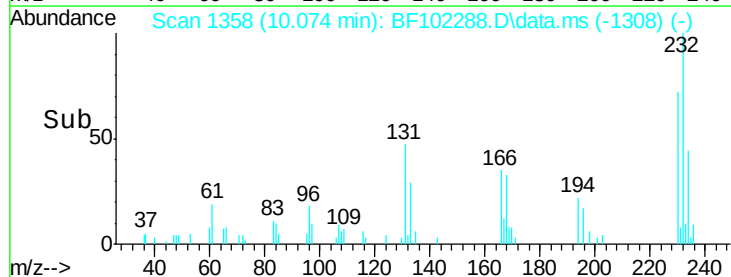
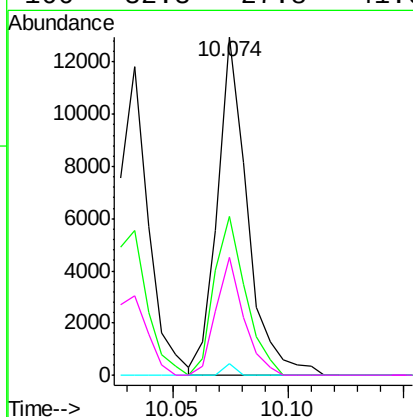
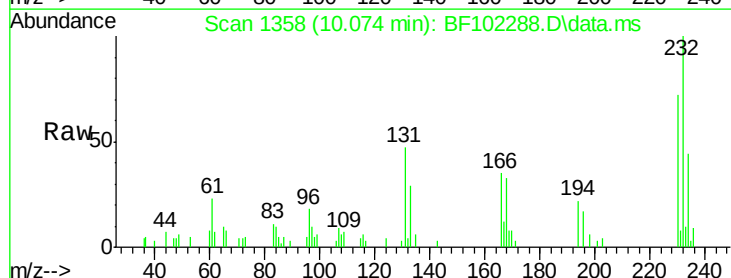
Instrument :  
 BNA\_F  
 ClientSampleId :

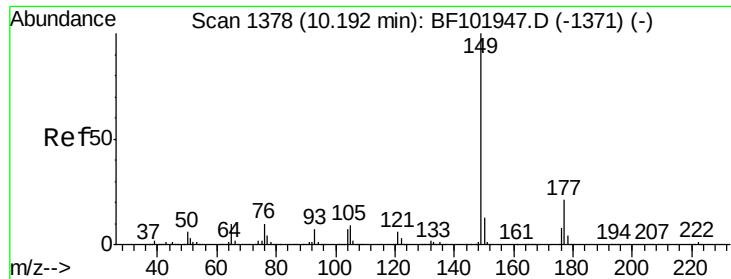
Tot Ion:166 Resp: 61020  
 Ion Ratio Lower Upper  
 166 100  
 165 95.1 79.8 119.8  
 167 11.3 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.88 ng  
 RT: 10.074 min Scan# 1358  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

Tgt Ion:232 Resp: 11685  
 Ion Ratio Lower Upper  
 232 100  
 131 49.3 43.8 65.8  
 130 1.3 2.1 3.1#  
 166 32.3 27.8 41.6





#59

Diethylphthalate

Concen: 3.02 ng

RT: 10.169 min Scan# 1378

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

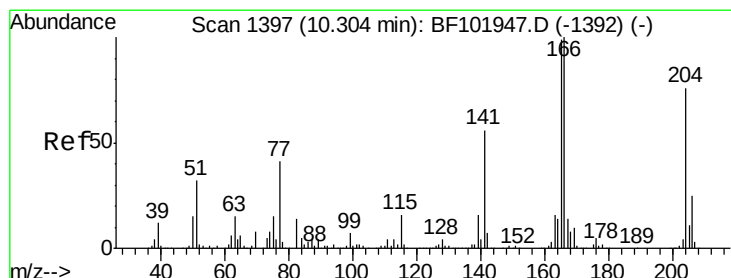
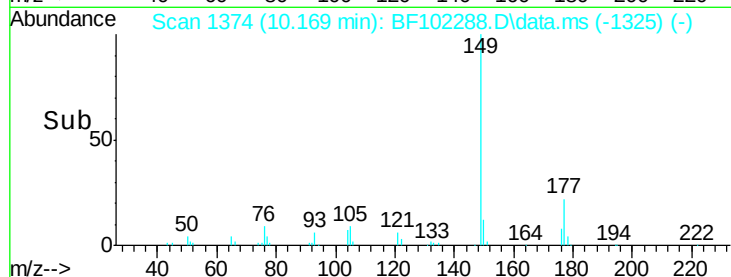
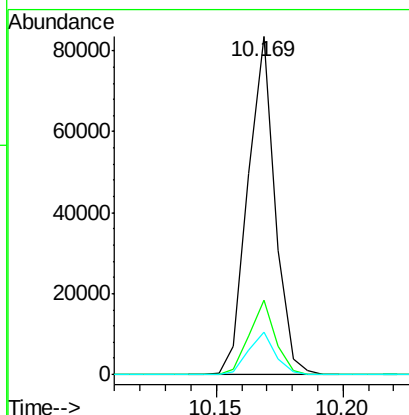
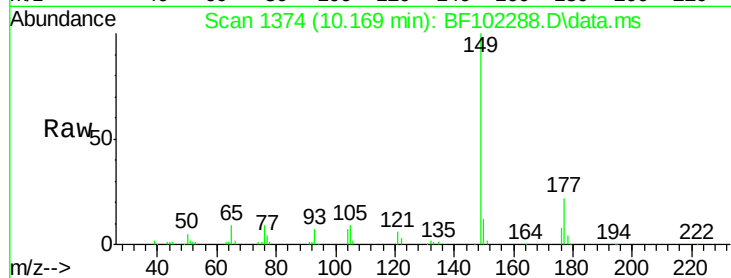
Tot Ion:149 Resp: 62277

Ion Ratio Lower Upper

149 100

177 22.1 16.1 24.1

150 12.4 10.1 15.1



#60

4-Chlorophenyl-phenylether

Concen: 3.73 ng

RT: 10.286 min Scan# 1394

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

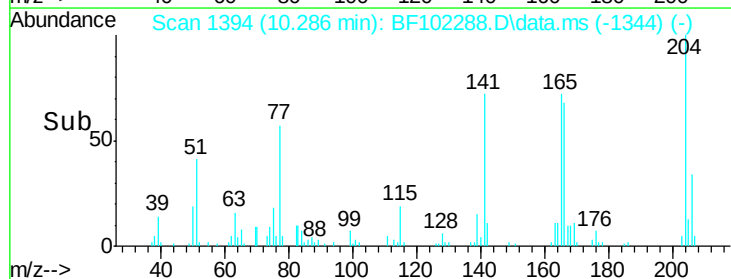
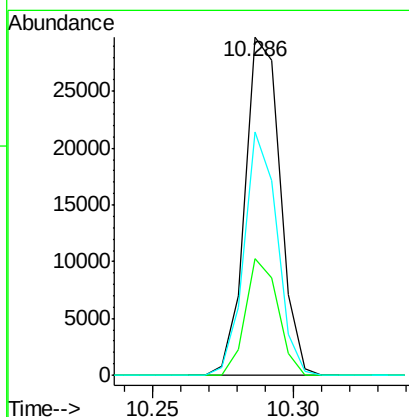
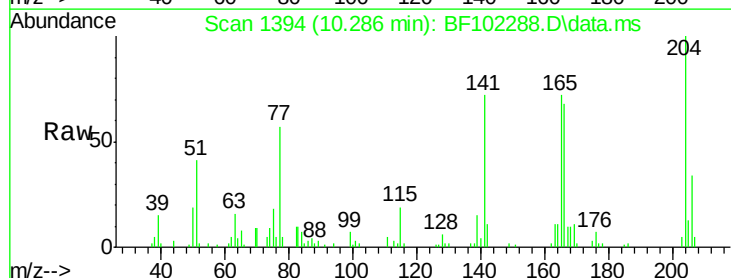
Tgt Ion:204 Resp: 25755

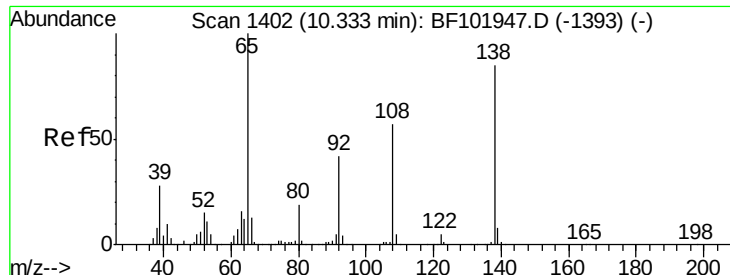
Ion Ratio Lower Upper

204 100

206 34.3 26.5 39.7

141 72.1 54.6 81.8

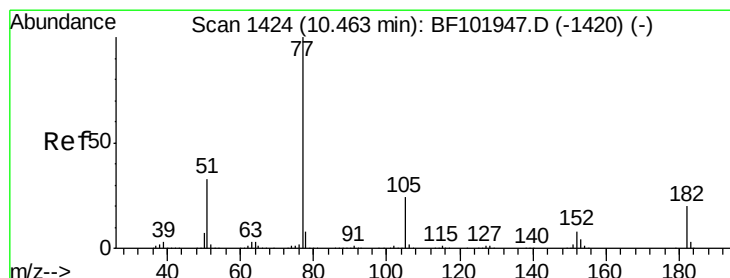
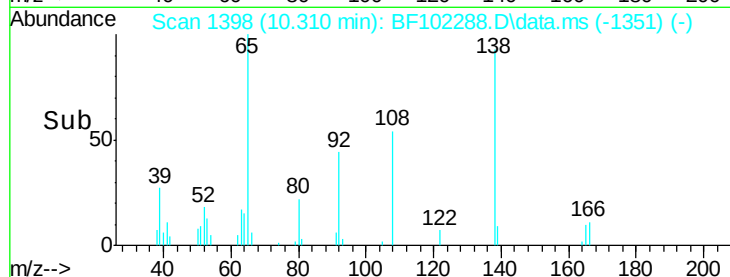
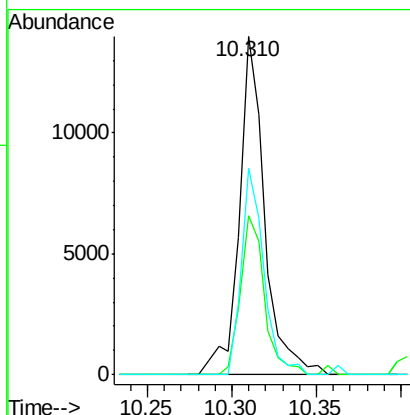
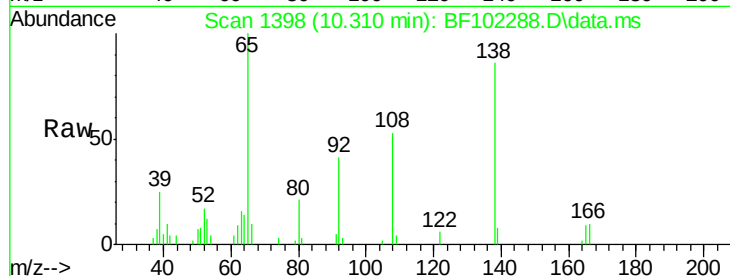




#61  
4-Nitroaniline  
Concen: 2.94 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. -0.024 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

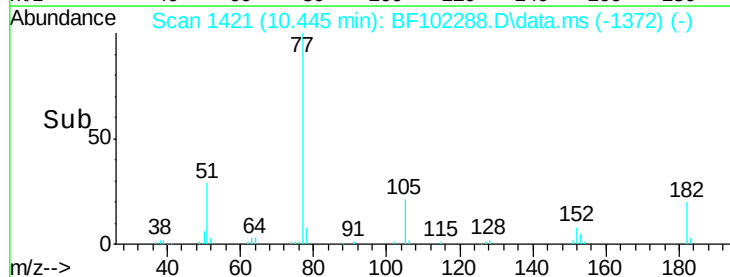
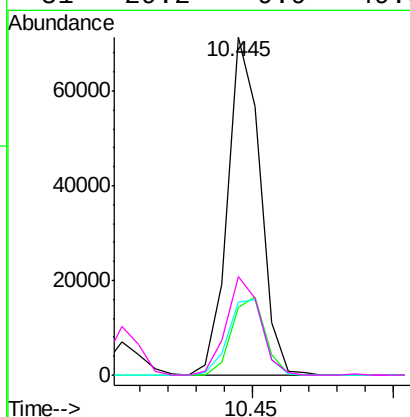
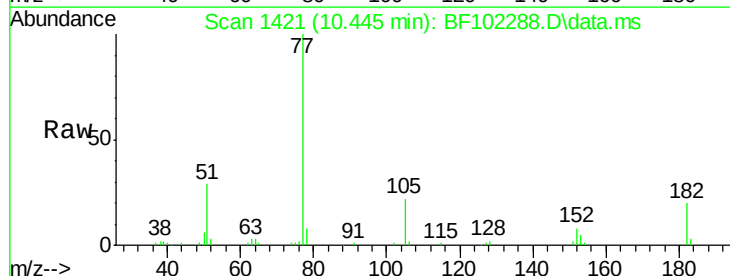
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 14584  
Ion Ratio Lower Upper  
138 100  
92 47.1 30.2 70.2  
108 61.0 52.5 92.5

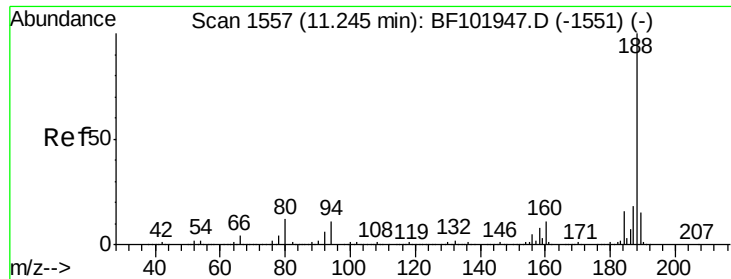


#62  
Azobenzene  
Concen: 2.78 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.012 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion: 77 Resp: 57149  
Ion Ratio Lower Upper  
77 100  
182 20.3 1.7 41.7  
105 21.8 3.0 43.0  
51 29.2 9.9 49.9



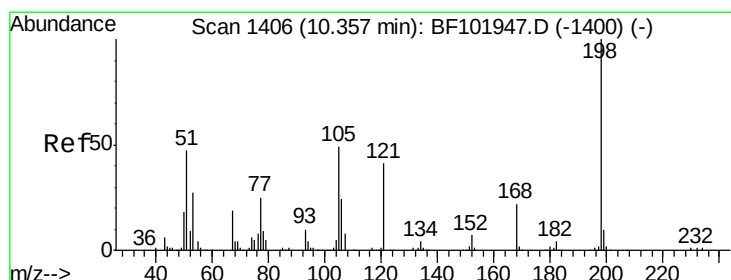
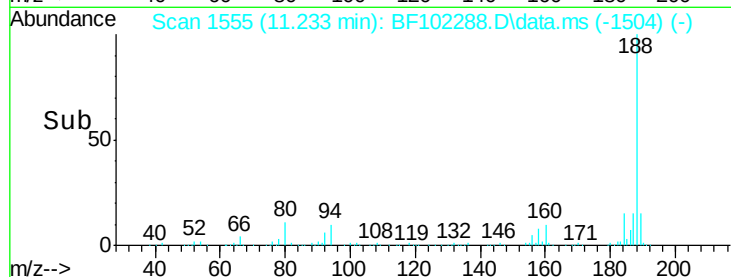
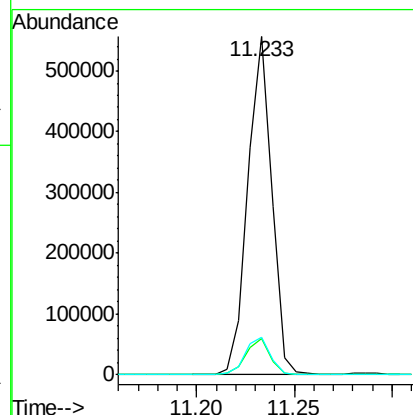
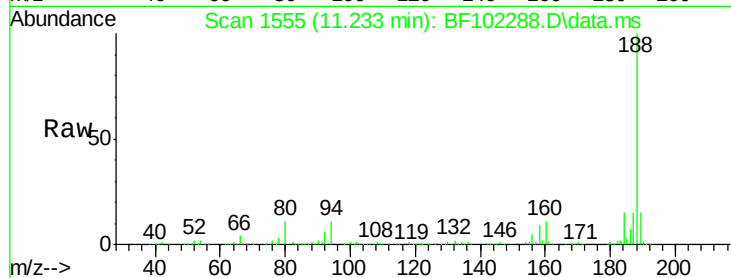




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.233 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

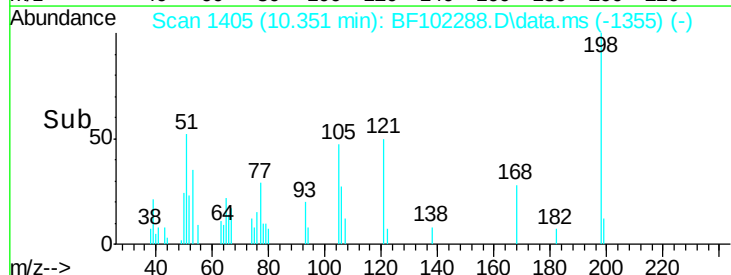
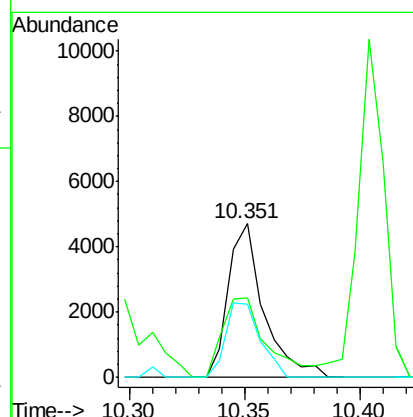
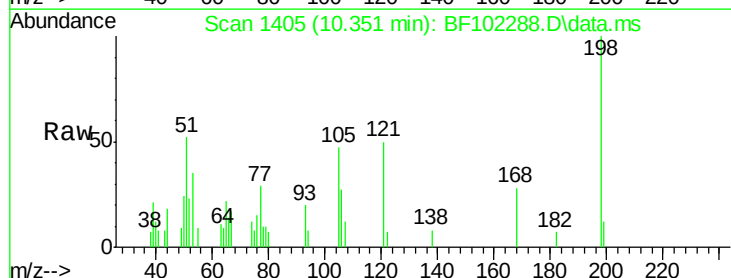
Instrument :  
BNA\_F  
ClientSampleId :

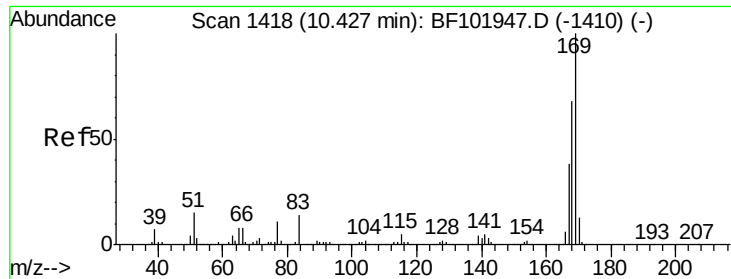
Tot Ion:188 Resp: 473043  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 10.9 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 2.15 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:198 Resp: 5011  
Ion Ratio Lower Upper  
198 100  
51 51.9 37.7 77.7  
105 47.3 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 2.95 ng

RT: 10.404 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampled :

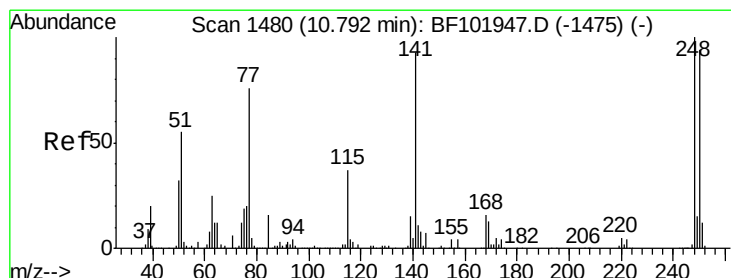
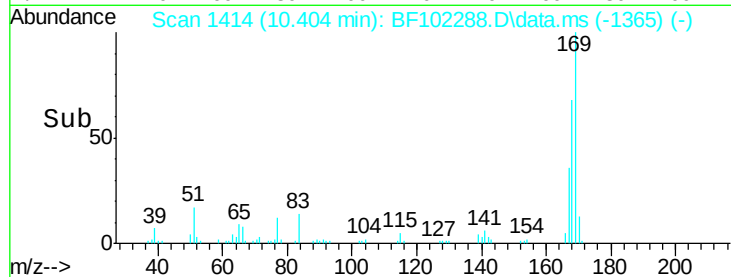
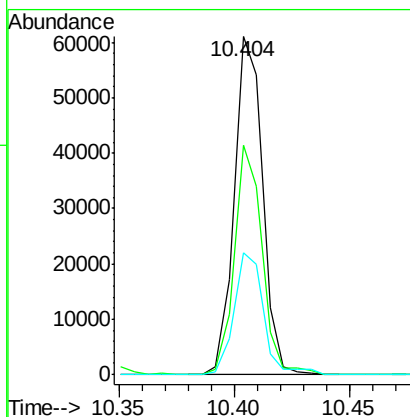
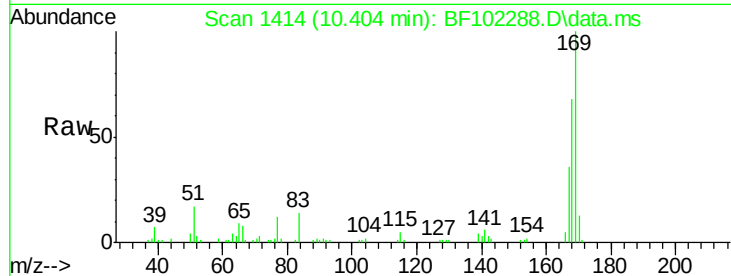
Tot Ion:169 Resp: 52311

Ion Ratio Lower Upper

169 100

168 67.9 54.4 81.6

167 36.0 29.8 44.6



#66

4-Bromophenyl-phenylether

Concen: 2.97 ng

RT: 10.780 min Scan# 1478

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

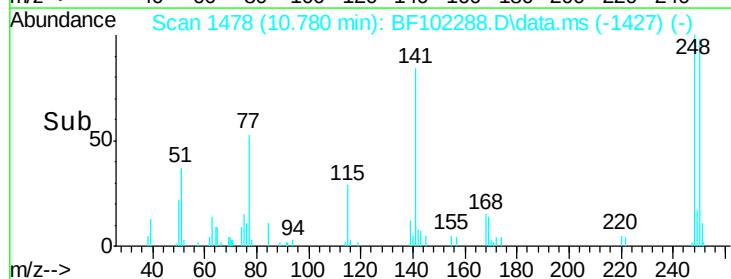
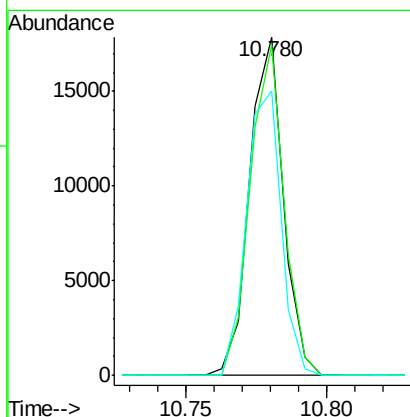
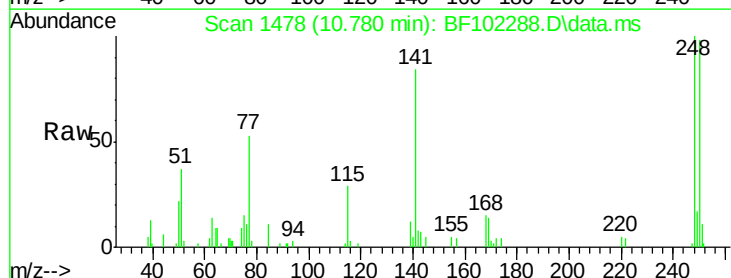
Tgt Ion:248 Resp: 14846

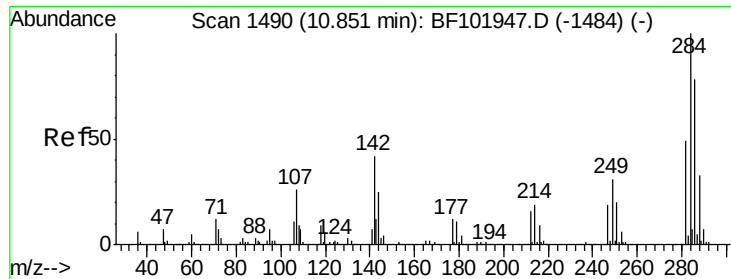
Ion Ratio Lower Upper

248 100

250 97.6 76.9 115.3

141 84.2 74.4 111.6

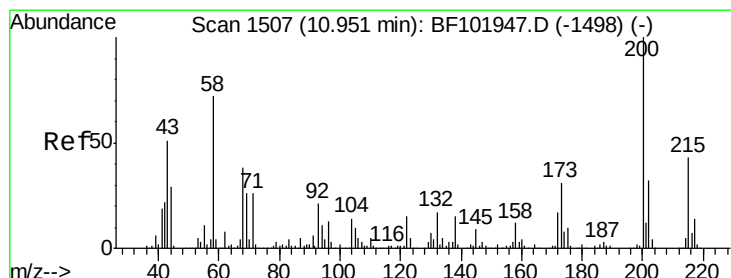
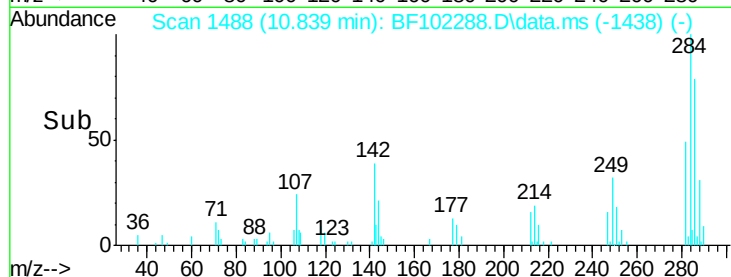
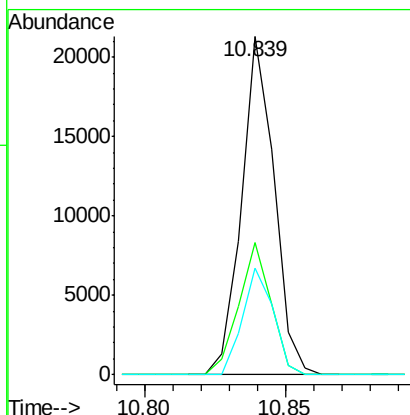
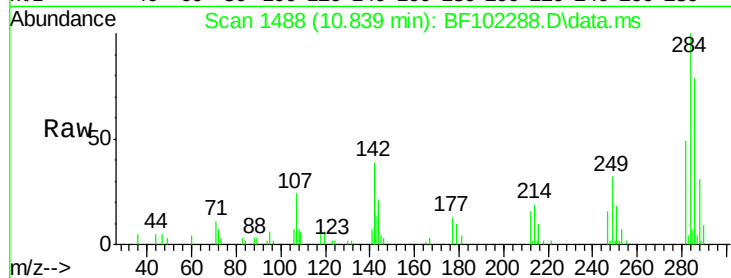




#67  
Hexachlorobenzene  
Concen: 3.12 ng  
RT: 10.839 min Scan# 1490  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

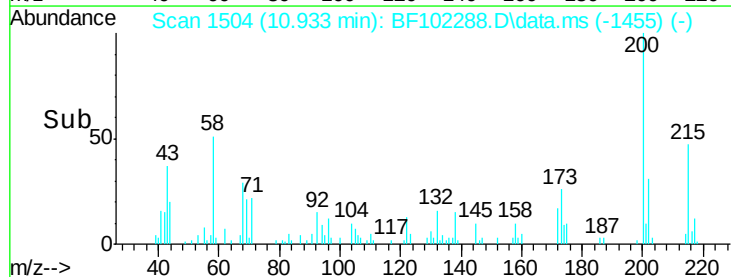
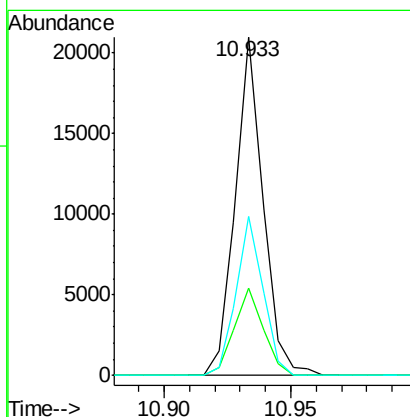
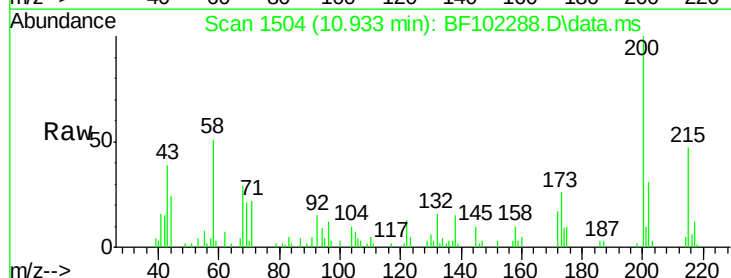
Instrument :  
BNA\_F  
ClientSampleId :

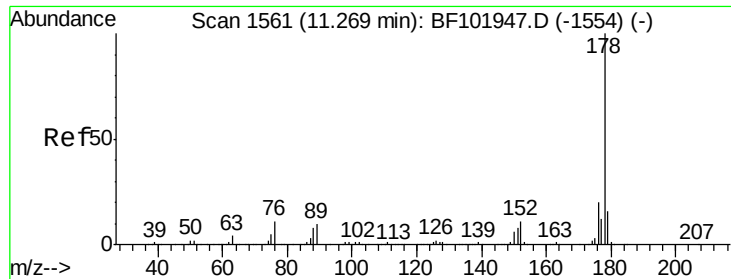
Tot Ion:284 Resp: 16993  
Ion Ratio Lower Upper  
284 100  
142 39.1 34.6 52.0  
249 31.6 24.8 37.2



#68  
Atrazine  
Concen: 3.12 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.012 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:200 Resp: 15970  
Ion Ratio Lower Upper  
200 100  
173 25.7 8.6 48.6  
215 47.0 25.1 65.1





#70

Phenanthrene

Concen: 3.11 ng

RT: 11.257 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

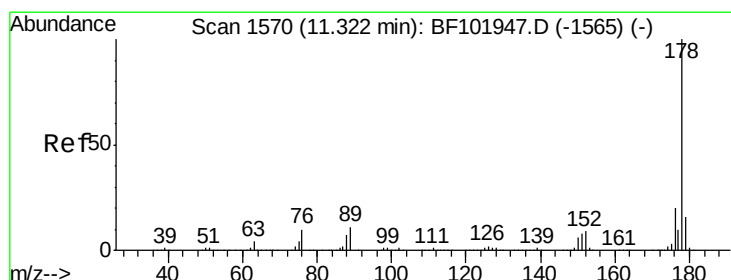
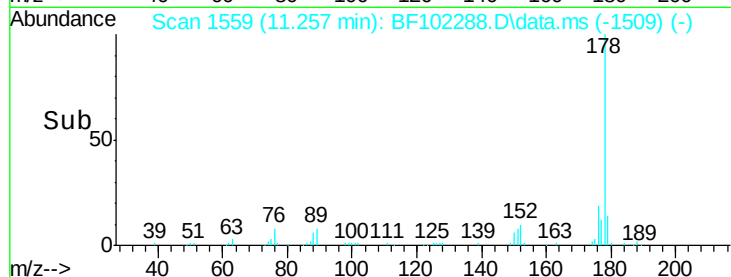
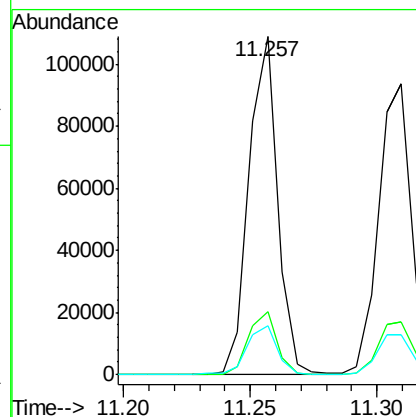
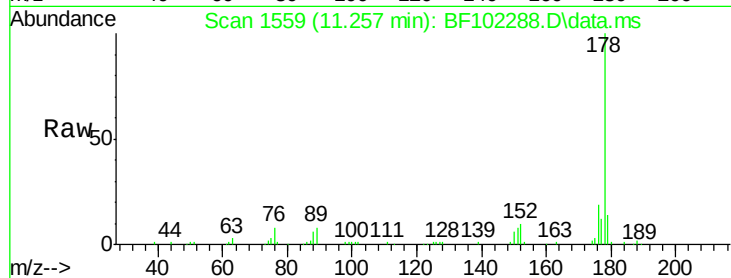
Tot Ion:178 Resp: 85845

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

179 14.3 13.0 19.6



#71

Anthracene

Concen: 3.08 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

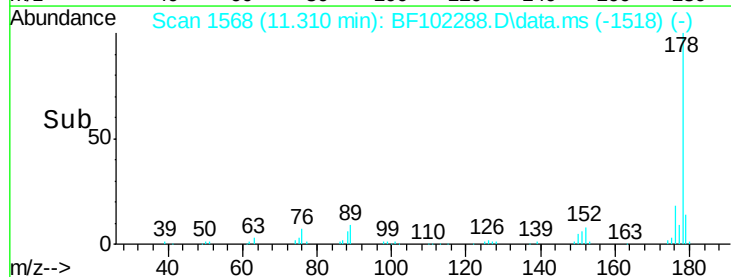
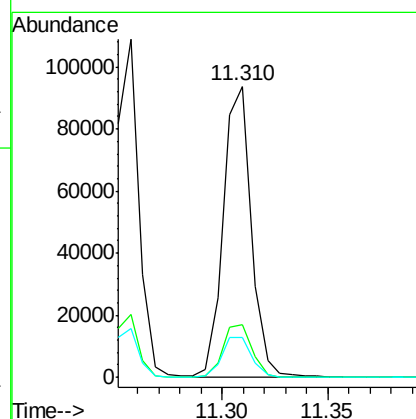
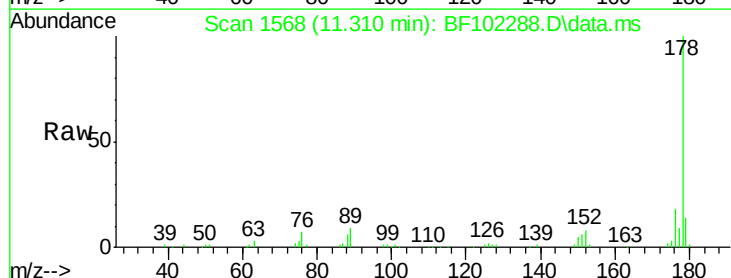
Tgt Ion:178 Resp: 86224

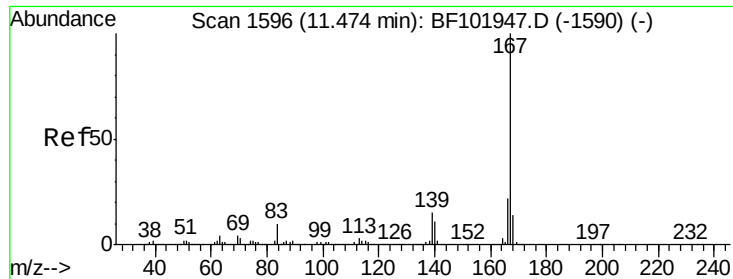
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 13.8 12.6 19.0





#72

Carbazole

Concen: 3.08 ng

RT: 11.469 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

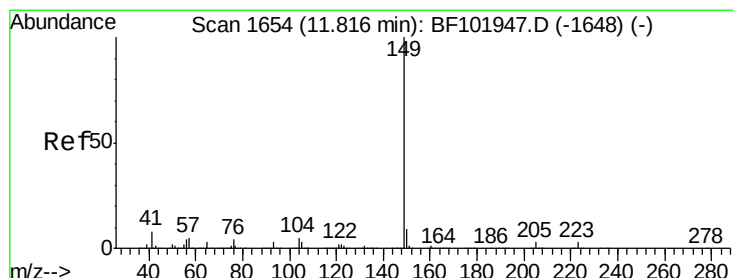
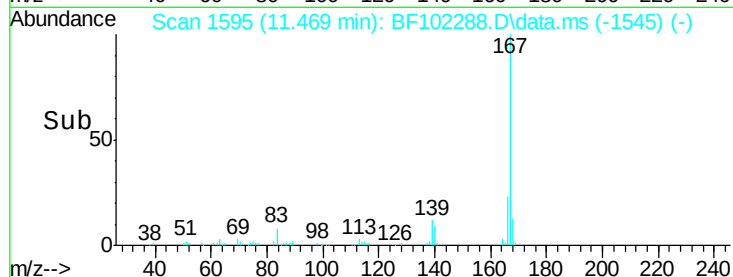
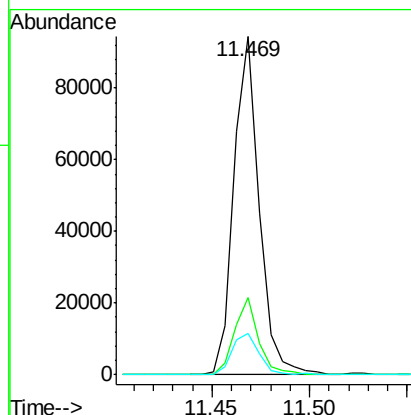
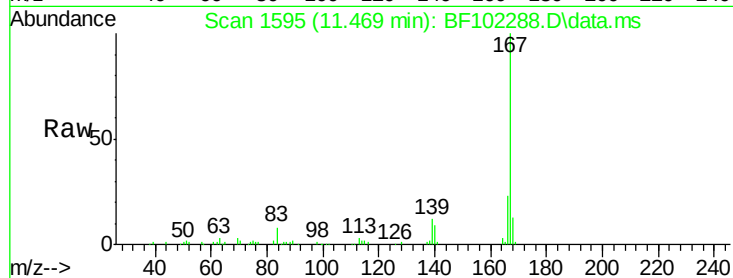
Tot Ion:167 Resp: 84854

Ion Ratio Lower Upper

167 100

166 22.9 17.6 26.4

139 12.3 10.9 16.3



#73

Di-n-butylphthalate

Concen: 3.11 ng

RT: 11.798 min Scan# 1651

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

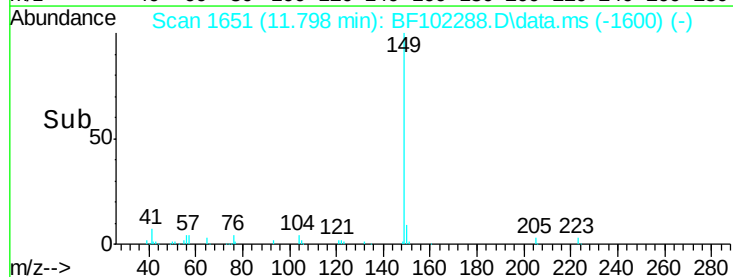
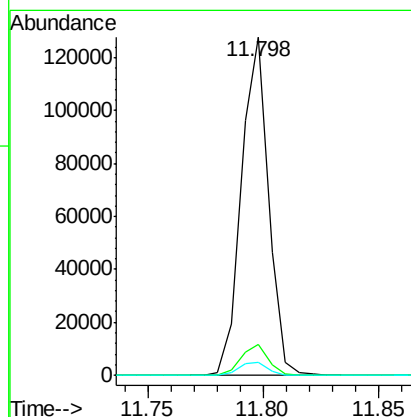
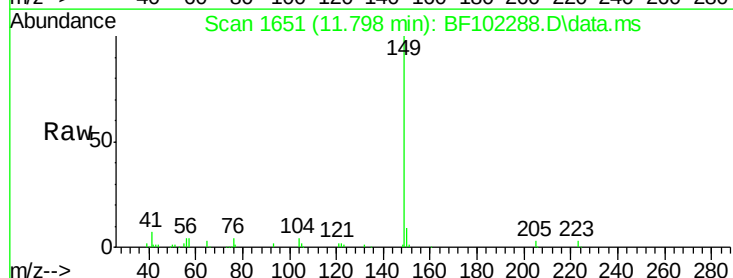
Tgt Ion:149 Resp: 105018

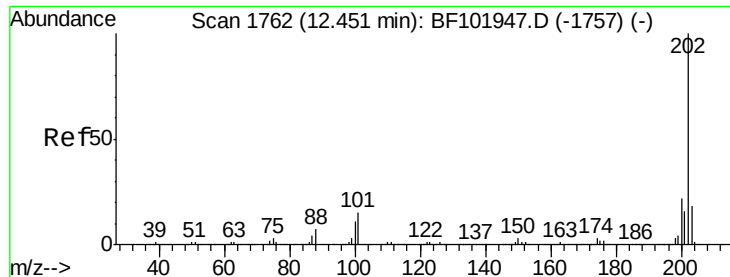
Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

104 4.0 3.8 5.8

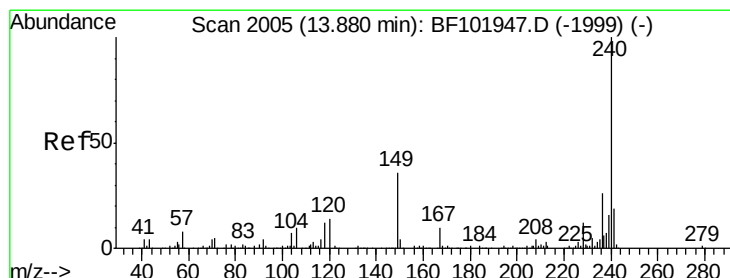
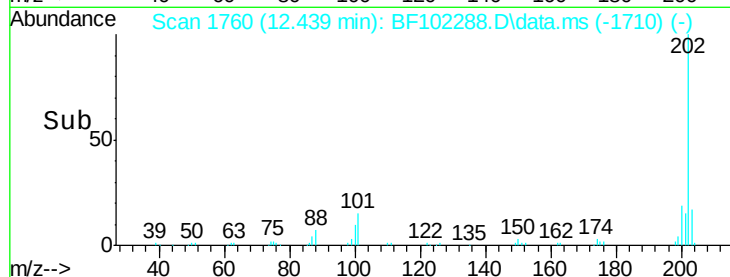
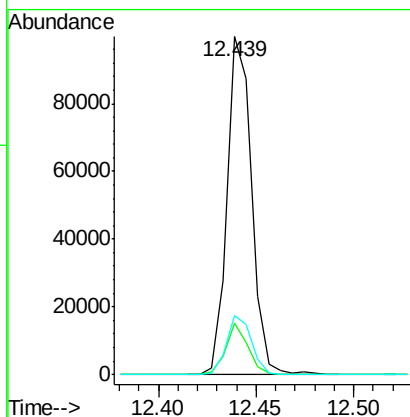
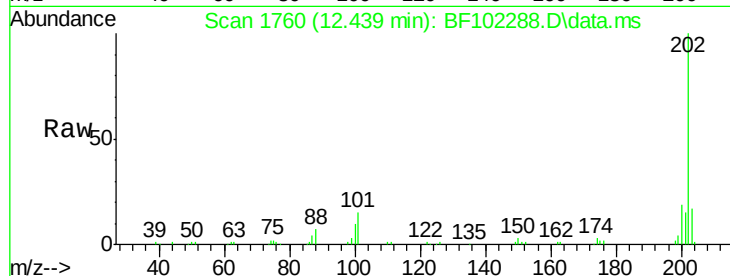




#74  
 Fluoranthene  
 Concen: 3.20 ng  
 RT: 12.439 min Scan# 17  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

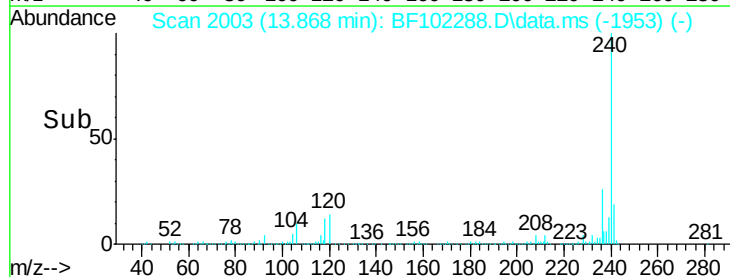
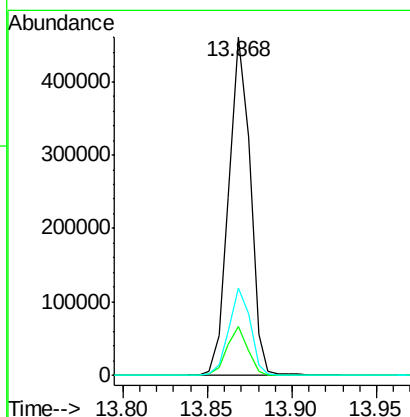
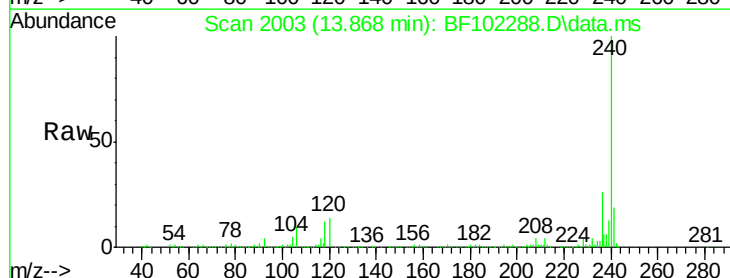
Instrument :  
 BNA\_F  
 ClientSampleId :

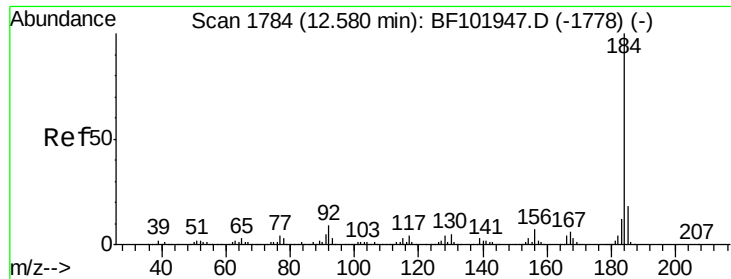
Tot Ion:202 Resp: 86866  
 Ion Ratio Lower Upper  
 202 100  
 101 15.2 0.0 34.1  
 203 17.4 0.0 38.1



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.868 min Scan# 2003  
 Delta R.T. -0.006 min  
 Lab File: BF102288.D  
 Acq: 22 Jan 2018 10:07

Tgt Ion:240 Resp: 407864  
 Ion Ratio Lower Upper  
 240 100  
 120 14.2 9.5 14.3  
 236 25.8 20.7 31.1

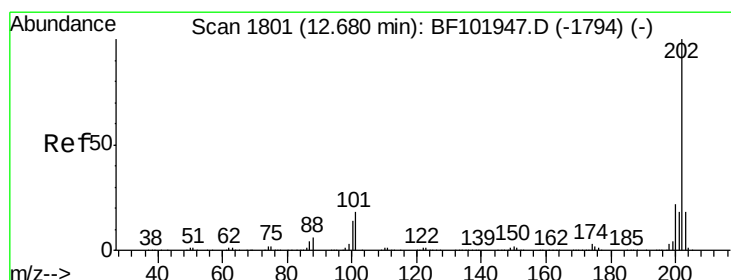
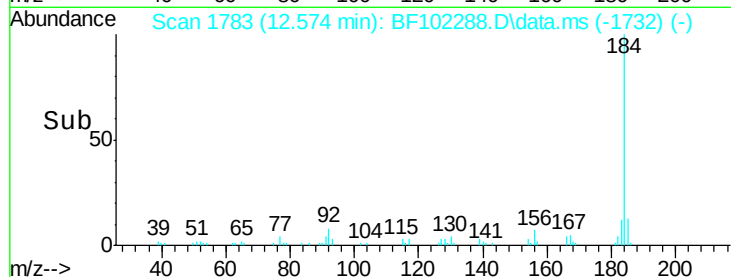
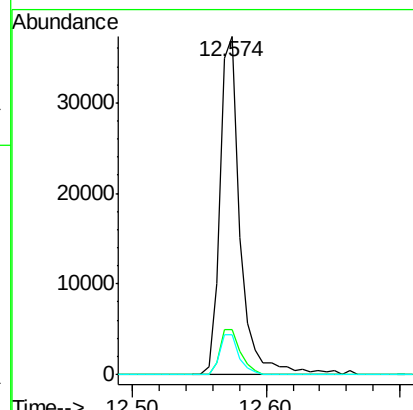
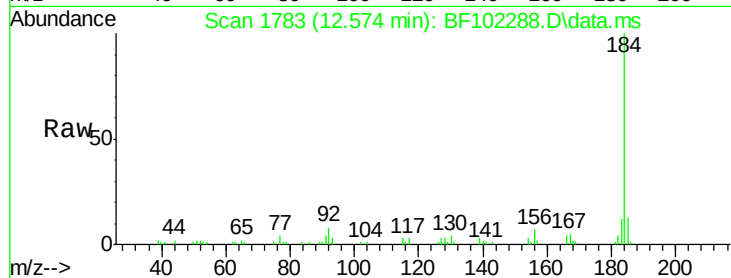




#76  
Benzidine  
Concen: 2.03 ng  
RT: 12.574 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

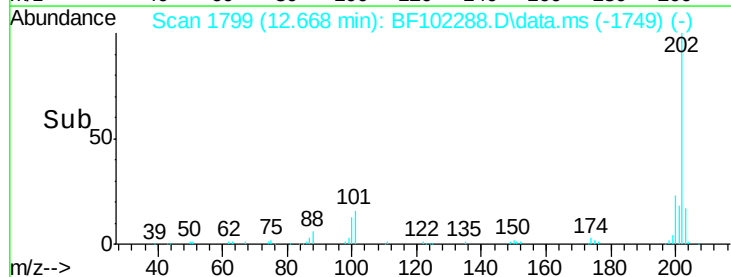
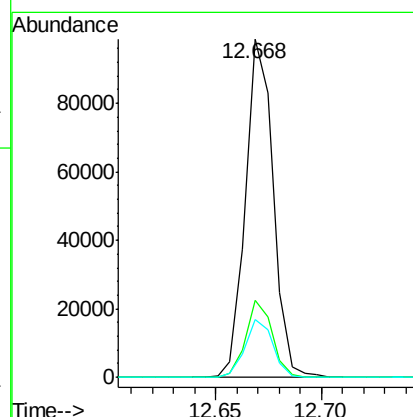
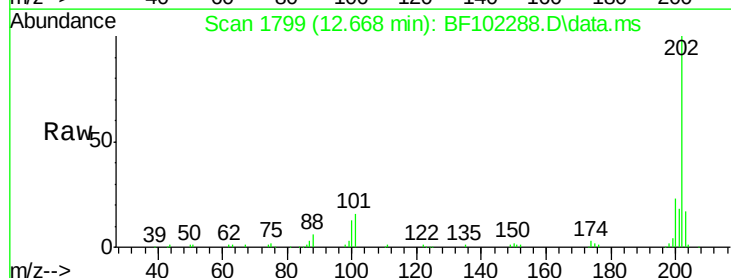
Instrument :  
BNA\_F  
ClientSampleId :

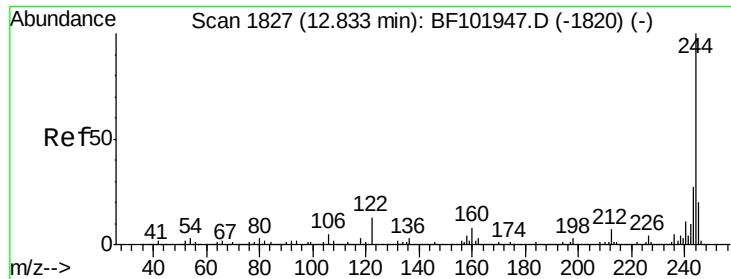
Tot Ion:184 Resp: 40016  
Ion Ratio Lower Upper  
184 100  
185 13.5 12.6 18.8  
183 11.8 9.3 13.9



#77  
Pyrene  
Concen: 2.48 ng  
RT: 12.668 min Scan# 1799  
Delta R.T. -0.006 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:202 Resp: 89380  
Ion Ratio Lower Upper  
202 100  
200 22.7 17.4 26.2  
203 17.0 14.3 21.5





#78

Terphenyl-d14

Concen: 5.86 ng

RT: 12.815 min Scan# 18

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampled :

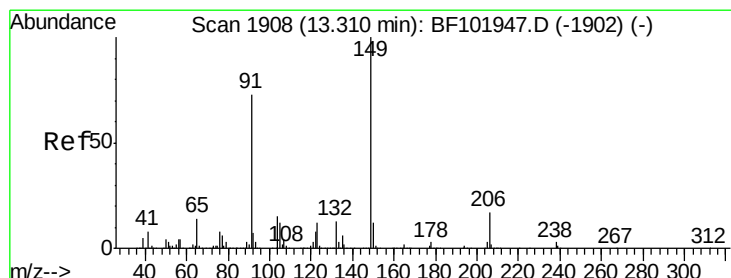
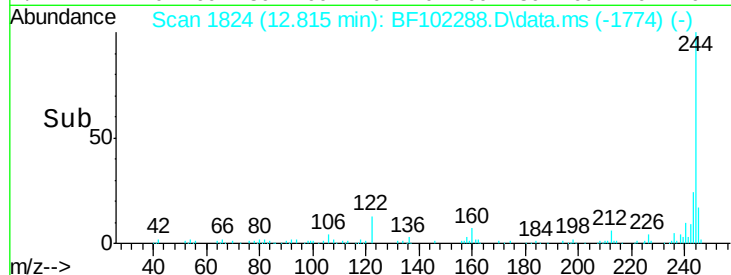
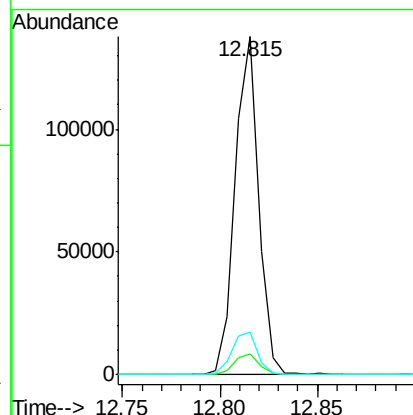
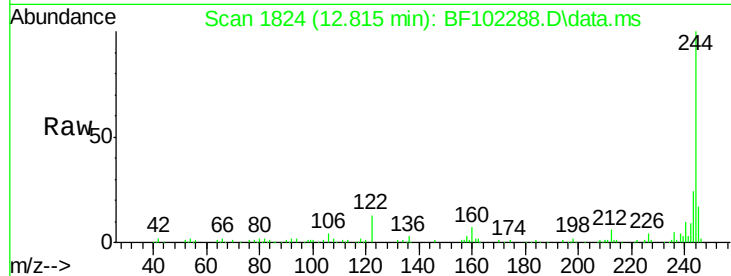
Tot Ion:244 Resp: 115126

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 12.7 11.0 16.4



#79

Butylbenzylphthalate

Concen: 2.59 ng

RT: 13.292 min Scan# 1905

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

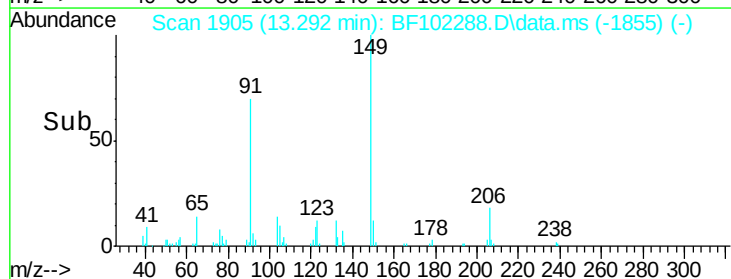
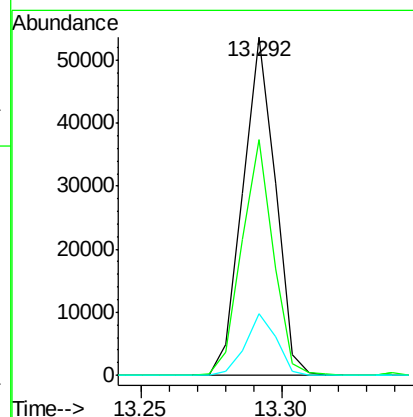
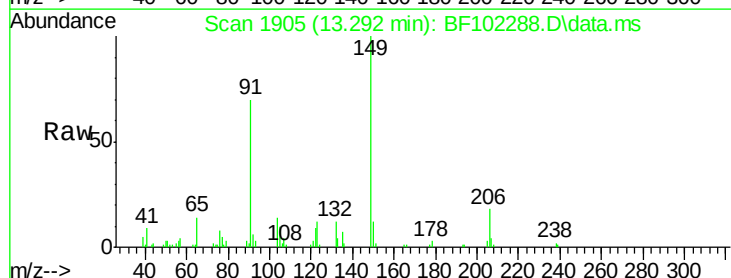
Tgt Ion:149 Resp: 42833

Ion Ratio Lower Upper

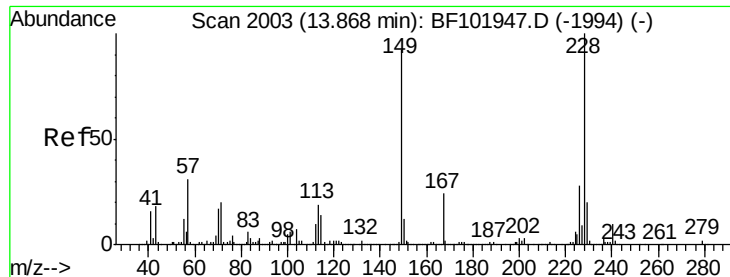
149 100

91 69.7 56.8 85.2

206 18.2 14.1 21.1







#80

Benzo(a)anthracene

Concen: 2.87 ng

RT: 13.857 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

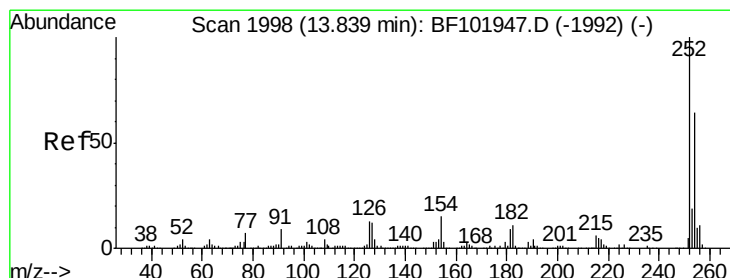
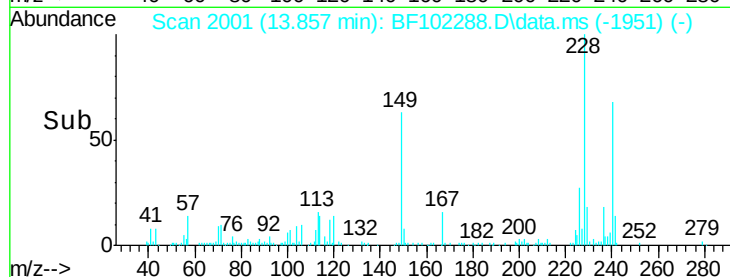
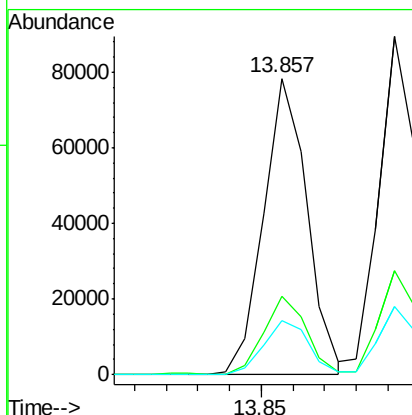
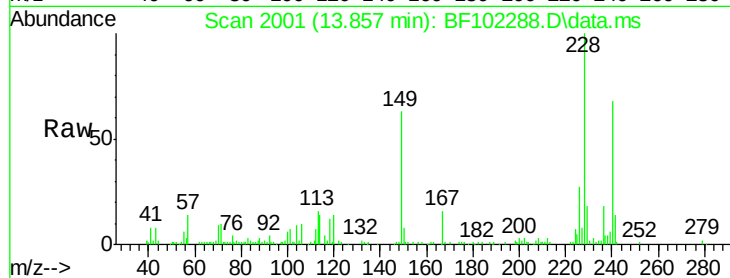
Tot Ion:228 Resp: 74659

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

229 18.3 15.8 23.6



#81

3,3'-Dichlorobenzidine

Concen: 2.89 ng

RT: 13.827 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

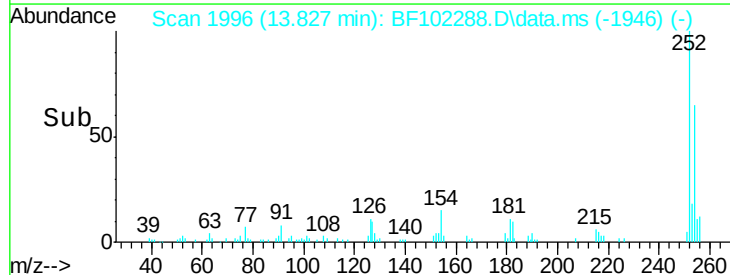
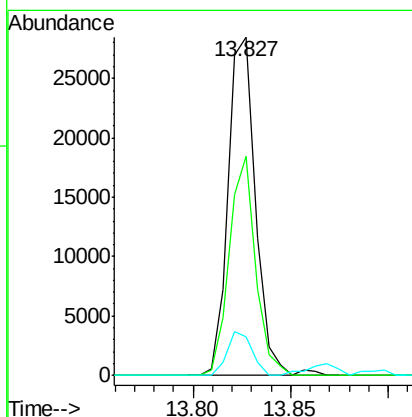
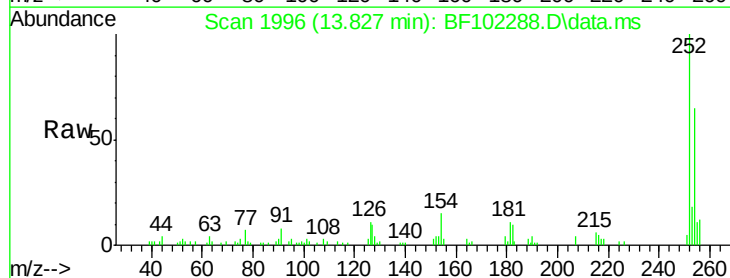
Tgt Ion:252 Resp: 27809

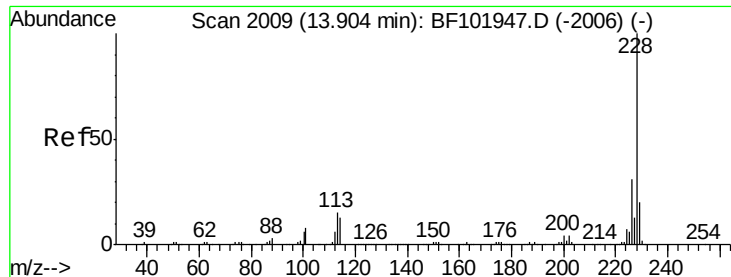
Ion Ratio Lower Upper

252 100

254 64.7 50.4 75.6

126 11.3 11.3 16.9





#82

Chrysene

Concen: 2.74 ng

RT: 13.892 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

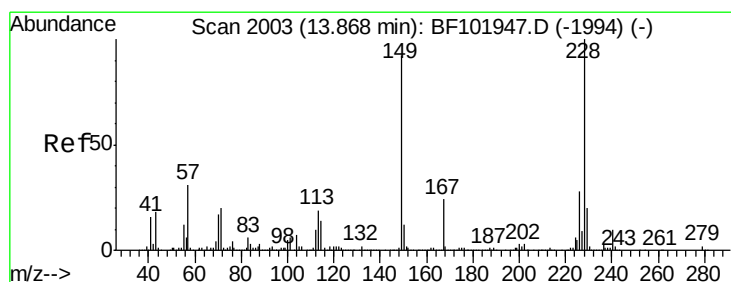
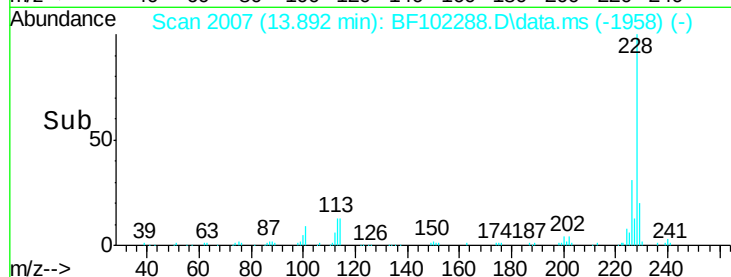
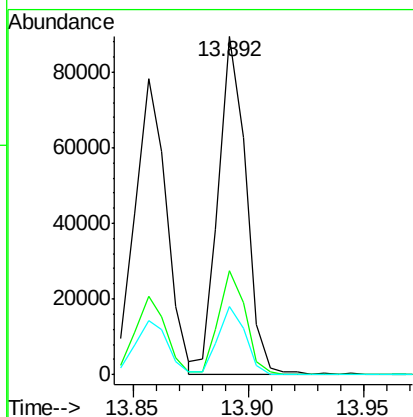
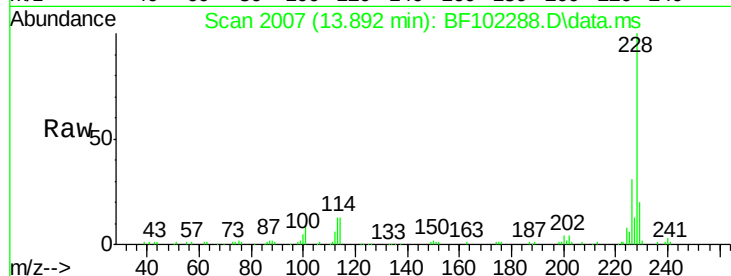
Tot Ion:228 Resp: 74415

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 20.1 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.33 ng

RT: 13.851 min Scan# 2000

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

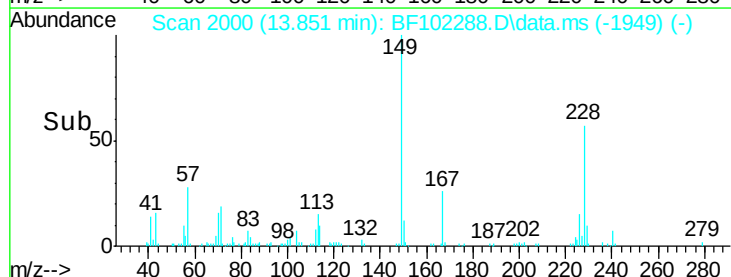
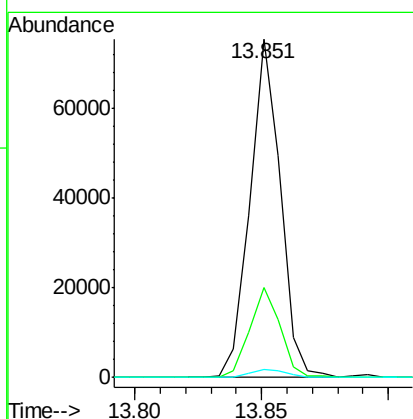
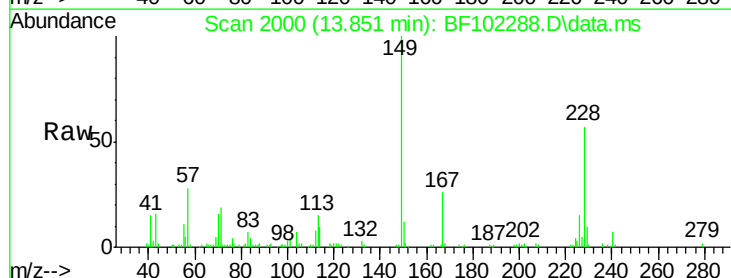
Tgt Ion:149 Resp: 63131

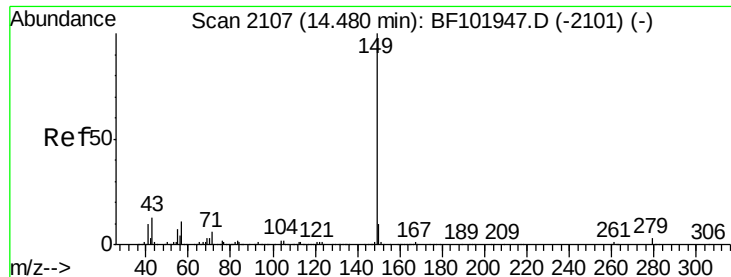
Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

279 2.4 3.0 4.4#





#84

Di-n-octyl phthalate

Concen: 3.04 ng

RT: 14.462 min Scan# 2107

Delta R.T. -0.000 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

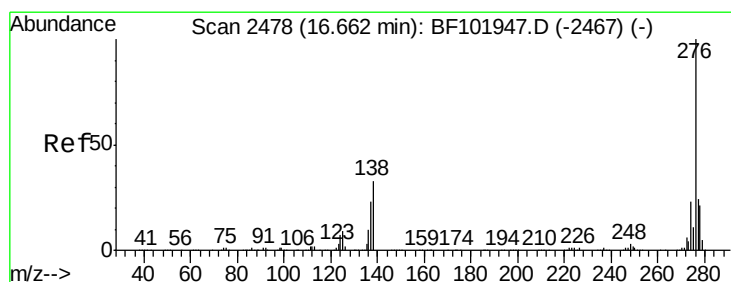
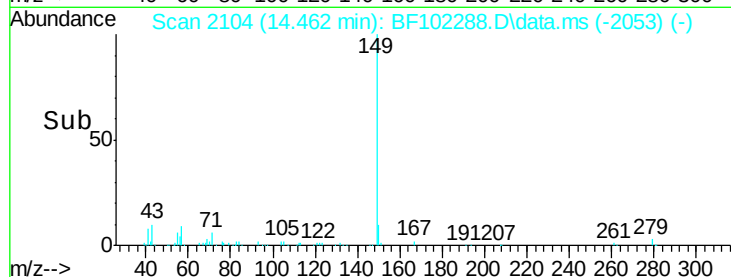
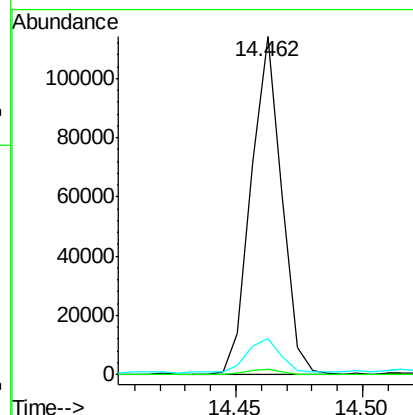
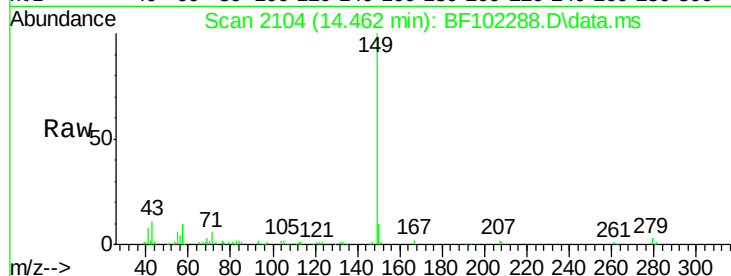
Tot Ion:149 Resp: 95898

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 11.5 8.4 12.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.20 ng

RT: 16.662 min Scan# 2478

Delta R.T. -0.024 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

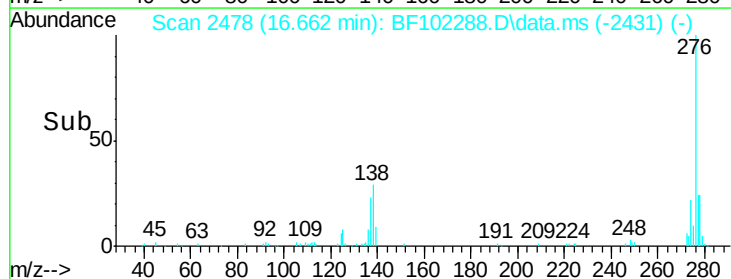
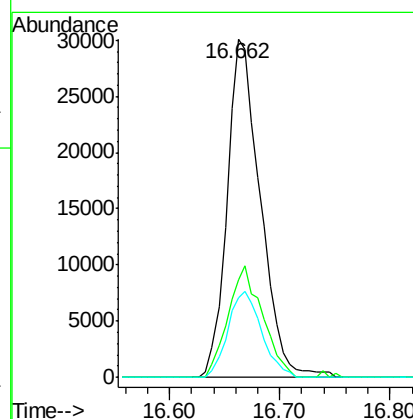
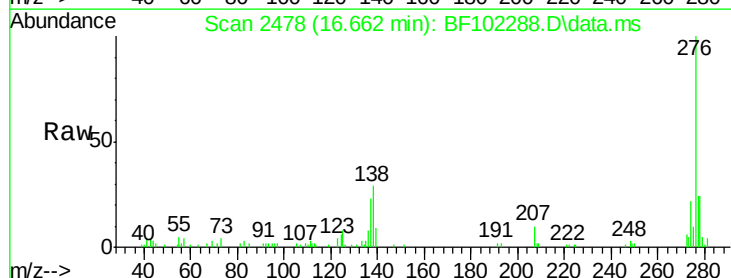
Tgt Ion:276 Resp: 63285

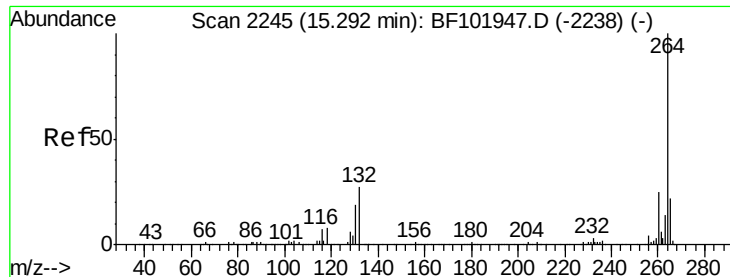
Ion Ratio Lower Upper

276 100

138 34.1 25.0 37.6

277 25.7 20.1 30.1



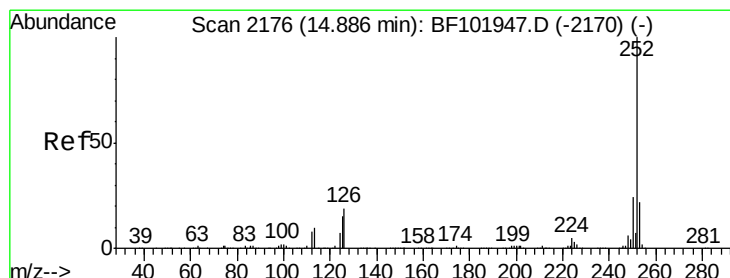
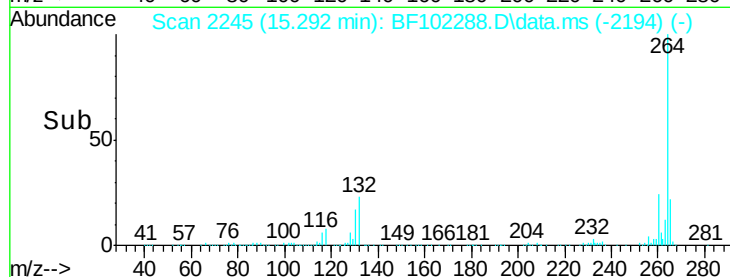
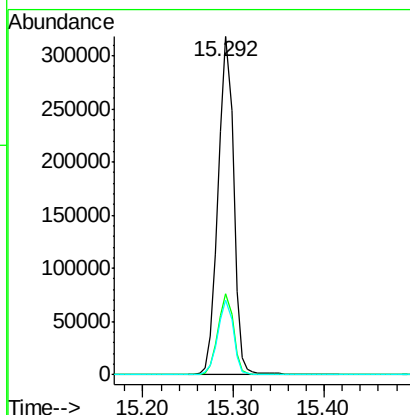
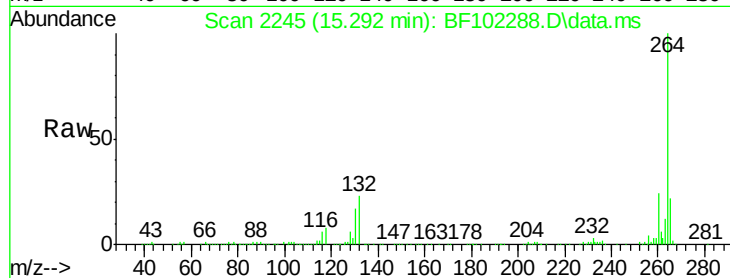


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.292 min Scan# 2245  
Delta R.T. -0.000 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:264 Resp: 375392  

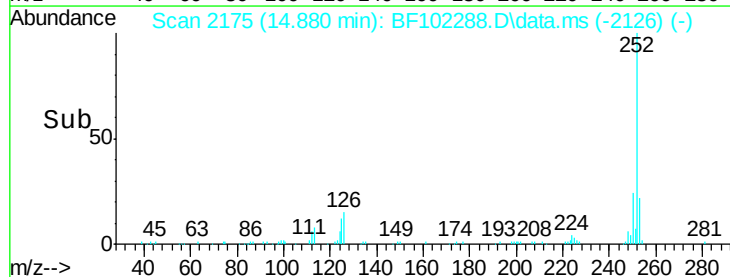
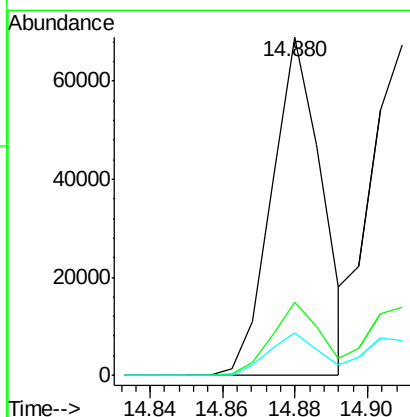
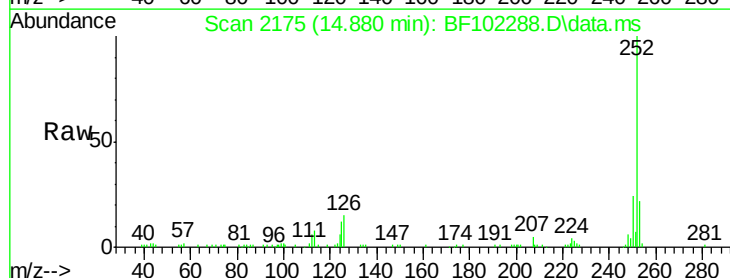
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.2  | 28.8  |
| 265 | 21.8  | 17.5  | 26.3  |

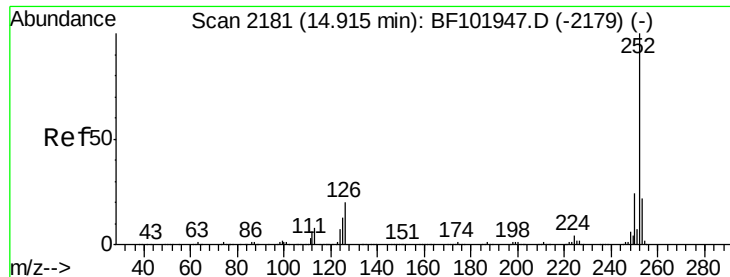


#87  
Benzo(b)fluoranthene  
Concen: 2.71 ng  
RT: 14.880 min Scan# 2175  
Delta R.T. -0.012 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Tgt Ion:252 Resp: 66267  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.0  | 25.6  |
| 125 | 12.4  | 9.0   | 13.6  |





#88

Benzo(k)fluoranthene

Concen: 2.95 ng

RT: 14.909 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

Instrument :

BNA\_F

ClientSampleId :

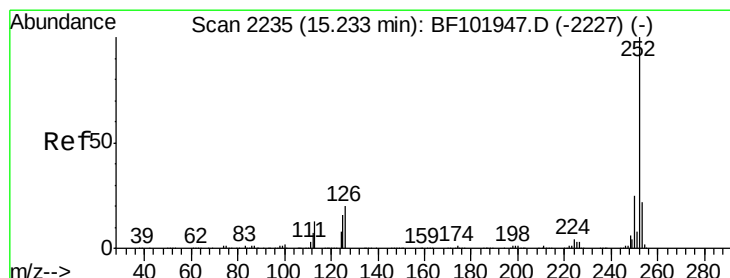
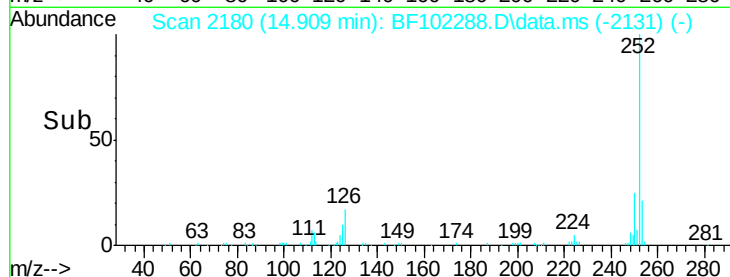
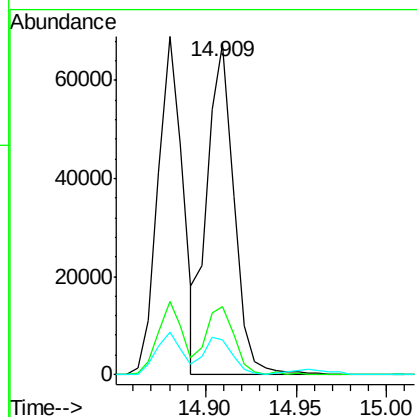
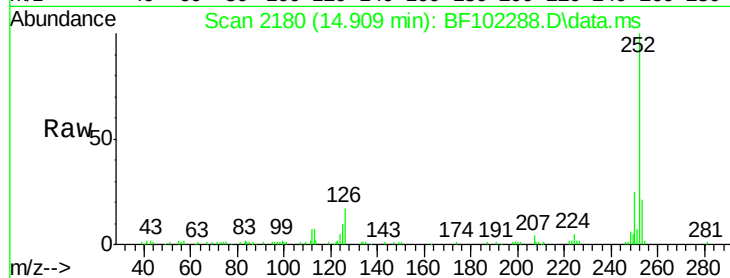
Tot Ion:252 Resp: 69562

Ion Ratio Lower Upper

252 100

253 20.7 17.9 26.9

125 10.4 10.2 15.2



#89

Benzo(a)pyrene

Concen: 2.79 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF102288.D

Acq: 22 Jan 2018 10:07

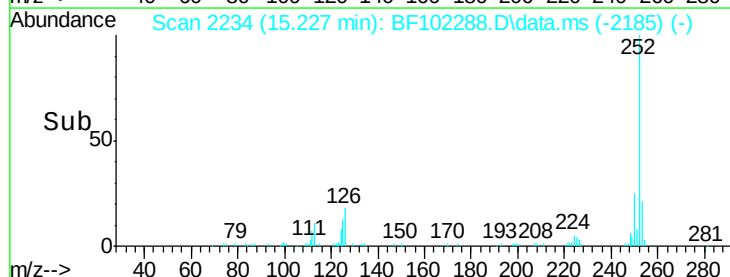
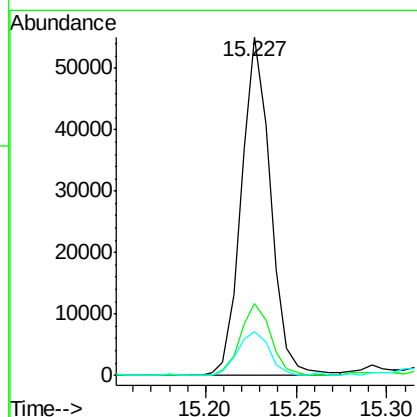
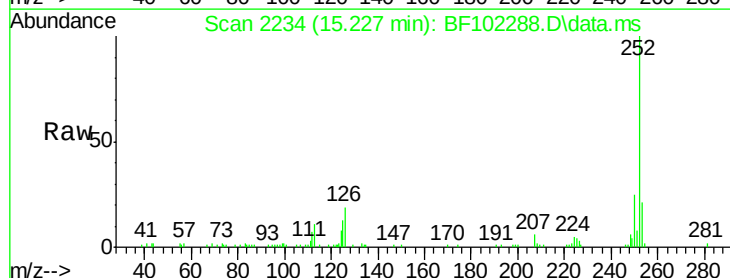
Tgt Ion:252 Resp: 61440

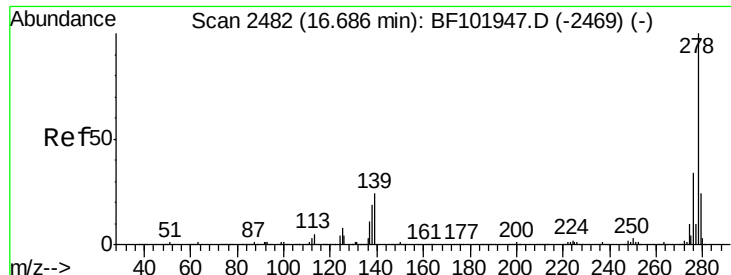
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 13.1 9.8 14.6

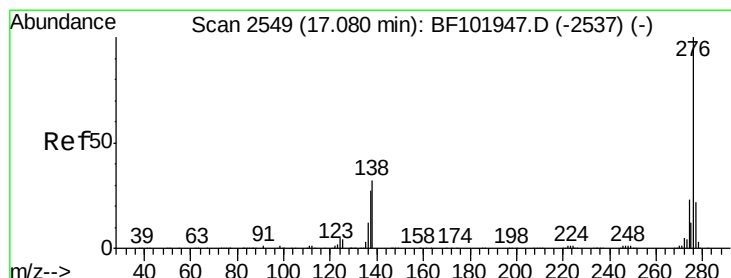
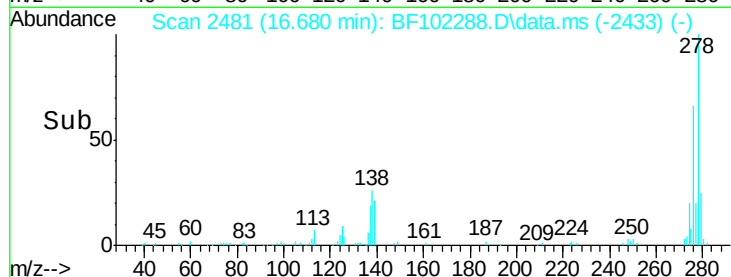
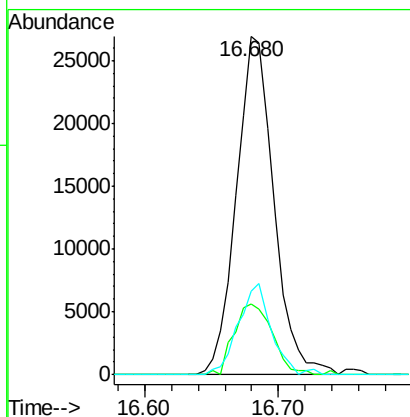
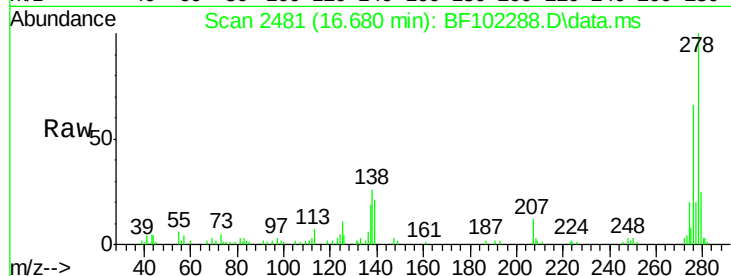




#90  
Dibenzo(a,h)anthracene  
Concen: 2.97 ng  
RT: 16.680 min Scan# 2481  
Delta R.T. -0.018 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:278 | Resp: | 52147     |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 20.8  | 15.9 23.9 |
| 279         | 24.6  | 19.0 28.4 |



#91  
Benzo(g,h,i)perylene  
Concen: 2.88 ng  
RT: 17.086 min Scan# 2550  
Delta R.T. -0.018 min  
Lab File: BF102288.D  
Acq: 22 Jan 2018 10:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 50986     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 277         | 19.4  | 17.9 26.9 |
| 138         | 30.0  | 21.8 32.8 |

