

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071818\  
 Data File : BF107468.D  
 Acq On : 18 Jul 2018 11:07  
 Operator : JU/SJ  
 Sample : PB111134BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

Quant Time: Jul 18 13:06:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 11:29:08 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.98  | 152  | 118852   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.27  | 136  | 511187   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.03 | 164  | 291238   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.52 | 188  | 622222   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.18 | 240  | 449562   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.71 | 264  | 339347   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 382509   | 48.88 | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 487920   | 48.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.55  | 82   | 358144   | 37.36 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 132660   | 51.84 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 656686   | 30.67 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.11 | 244  | 824408   | 45.56 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.94 | 88   | 124306   | 32.174 | ng    | 93     |
| 3) Pyridine                    | 3.70 | 79   | 352722   | 33.849 | ng    | # 91   |
| 4) n-Nitrosodimethylamine      | 3.67 | 42   | 190354   | 44.486 | ng    | 86     |
| 6) Aniline                     | 6.65 | 93   | 368172   | 27.527 | ng    | # 90   |
| 8) 2-Chlorophenol              | 6.77 | 128  | 341919   | 43.204 | ng    | 92     |
| 9) Benzaldehyde                | 6.54 | 77   | 210729   | 25.891 | ng    | 86     |
| 10) Phenol                     | 6.62 | 94   | 448640   | 41.360 | ng    | # 69   |
| 11) bis(2-Chloroethyl)ether    | 6.72 | 93   | 347034   | 39.204 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 6.92 | 146  | 366081   | 38.100 | ng    | # 86   |
| 13) 1,4-Dichlorobenzene        | 7.00 | 146  | 377091   | 39.591 | ng    | # 91   |
| 14) 1,2-Dichlorobenzene        | 7.15 | 146  | 358651   | 40.244 | ng    | # 90   |
| 15) Benzyl Alcohol             | 7.12 | 79   | 430833   | 42.401 | ng    | # 85   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45   | 378674   | 40.088 | ng    | 80     |
| 17) 2-Methylphenol             | 7.23 | 107  | 318862   | 42.376 | ng    | # 85   |
| 18) Hexachloroethane           | 7.50 | 117  | 156083   | 44.042 | ng    | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70   | 288052   | 39.763 | ng    | # 94   |
| 20) 3+4-Methylphenols          | 7.38 | 107  | 365293   | 38.216 | ng    | # 65   |
| 22) Acetophenone               | 7.40 | 105  | 503561   | 35.853 | ng    | # 89   |
| 24) Nitrobenzene               | 7.57 | 77   | 454297   | 42.169 | ng    | 91     |
| 25) Isophorone                 | 7.81 | 82   | 783074   | 41.211 | ng    | # 94   |
| 26) 2-Nitrophenol              | 7.88 | 139  | 195257   | 53.318 | ng    | # 66   |
| 27) 2,4-Dimethylphenol         | 7.91 | 122  | 325300   | 42.597 | ng    | # 73   |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93   | 458529   | 38.532 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 8.12 | 162  | 324559   | 40.841 | ng    | 90     |
| 30) 1,2,4-Trichlorobenzene     | 8.21 | 180  | 356972   | 37.095 | ng    | 97     |
| 31) Naphthalene                | 8.29 | 128  | 986327   | 39.723 | ng    | 96     |
| 32) Benzoic acid               | 8.03 | 122  | 204913   | 43.721 | ng    | # 83   |
| 33) 4-Chloroaniline            | 8.34 | 127  | 221890   | 20.634 | ng    | # 89   |
| 34) Hexachlorobutadiene        | 8.40 | 225  | 243351   | 37.792 | ng    | 99     |
| 35) Caprolactam                | 8.72 | 113  | 71972    | 27.841 | ng    | # 86   |
| 36) 4-Chloro-3-methylphenol    | 8.82 | 107  | 415162   | 39.982 | ng    | 85     |
| 37) 2-Methylnaphthalene        | 8.98 | 142  | 708786   | 43.306 | ng    | # 90   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216  | 416307   | 36.733 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 9.13 | 237  | 488403   | 82.509 | ng    | 93     |

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 Sample : PB111134BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

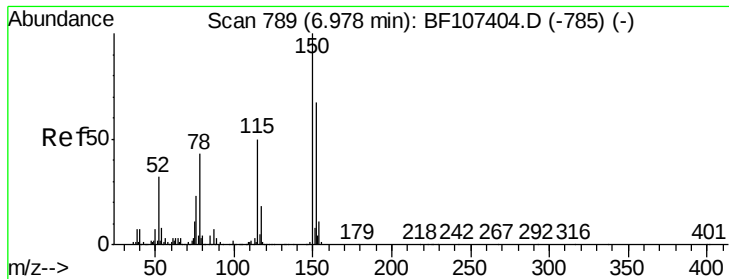
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

Quant Time: Jul 18 13:06:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 11:29:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.26  | 196  | 270649   | 38.257 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.30  | 196  | 286850   | 42.384 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 9.45  | 154  | 893615   | 35.488 | ng    | 95       |
| 46) 2-Chloronaphthalene        | 9.48  | 162  | 720086   | 36.207 | ng    | 96       |
| 47) 2-Nitroaniline             | 9.57  | 65   | 289169   | 47.512 | ng    | # 76     |
| 48) Acenaphthylene             | 9.90  | 152  | 1096242  | 39.498 | ng    | 96       |
| 49) Dimethylphthalate          | 9.75  | 163  | 922094   | 39.849 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 9.81  | 165  | 201251   | 45.577 | ng    | # 63     |
| 51) Acenaphthene               | 10.07 | 154  | 670129   | 36.422 | ng    | 96       |
| 52) 3-Nitroaniline             | 9.98  | 138  | 107809   | 23.245 | ng    | # 72     |
| 53) 2,4-Dinitrophenol          | 10.10 | 184  | 218562   | 92.827 | ng    | # 27     |
| 54) Dibenzofuran               | 10.24 | 168  | 1029753  | 36.218 | ng    | 94       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 285088   | 75.963 | ng    | # 45     |
| 56) 2,4-Dinitrotoluene         | 10.22 | 165  | 279836   | 48.621 | ng    | # 72     |
| 57) Fluorene                   | 10.58 | 166  | 766979   | 40.730 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.35 | 232  | 251398   | 38.348 | ng    | # 89     |
| 59) Diethylphthalate           | 10.45 | 149  | 924044   | 41.104 | ng    | 95       |
| 60) 4-Chlorophenyl-phenylether | 10.57 | 204  | 427750   | 38.136 | ng    | 100      |
| 61) 4-Nitroaniline             | 10.61 | 138  | 189389   | 42.908 | ng    | # 53     |
| 62) Azobenzene                 | 10.73 | 77   | 990536   | 37.521 | ng    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198  | 167174   | 49.802 | ng    | 83       |
| 65) n-Nitrosodiphenylamine     | 10.69 | 169  | 745509   | 37.936 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 11.07 | 248  | 266431   | 37.426 | ng    | 96       |
| 67) Hexachlorobenzene          | 11.13 | 284  | 253036   | 38.399 | ng    | # 91     |
| 68) Atrazine                   | 11.22 | 200  | 292935   | 39.446 | ng    | 96       |
| 69) Pentachlorophenol          | 11.32 | 266  | 278346   | 57.159 | ng    | 97       |
| 70) Phenanthrene               | 11.55 | 178  | 1231761  | 39.723 | ng    | 97       |
| 71) Anthracene                 | 11.61 | 178  | 1280106  | 41.447 | ng    | 99       |
| 72) Carbazole                  | 11.76 | 167  | 1055427  | 36.095 | ng    | 96       |
| 73) Di-n-butylphthalate        | 12.07 | 149  | 1402755  | 41.744 | ng    | # 98     |
| 74) Fluoranthene               | 12.74 | 202  | 1392111  | 39.499 | ng    | 96       |
| 76) Benzidine                  | 12.86 | 184  | 520231   | 29.817 | ng    | # 94     |
| 77) Pyrene                     | 12.98 | 202  | 1367639  | 44.736 | ng    | 97       |
| 79) Butylbenzylphthalate       | 13.58 | 149  | 587662   | 52.773 | ng    | # 91     |
| 80) Benzo(a)anthracene         | 14.17 | 228  | 1138780  | 41.400 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 14.12 | 252  | 226938   | 24.600 | ng    | # 98     |
| 82) Chrysene                   | 14.21 | 228  | 1085067  | 41.295 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.14 | 149  | 764810   | 47.928 | ng    | 95       |
| 84) Di-n-octyl phthalate       | 14.75 | 149  | 1180884  | 47.605 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.30 | 276  | 810791   | 43.350 | ng    | # 89     |
| 87) Benzo(b)fluoranthene       | 15.25 | 252  | 890981   | 44.857 | ng    | # 94     |
| 88) Benzo(k)fluoranthene       | 15.29 | 252  | 775293   | 39.996 | ng    | # 93     |
| 89) Benzo(a)pyrene             | 15.65 | 252  | 783647   | 42.985 | ng    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 17.32 | 278  | 657683   | 47.801 | ng    | # 90     |
| 91) Benzo(g,h,i)perylene       | 17.78 | 276  | 687788   | 49.196 | ng    | # 87     |

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



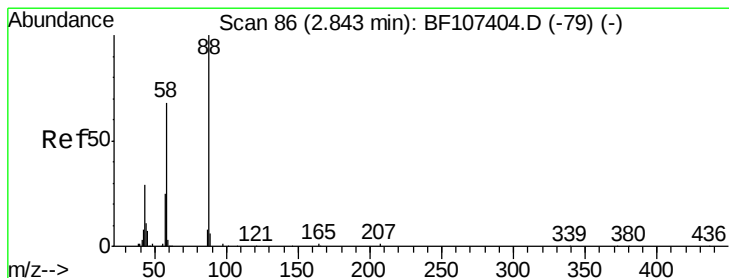
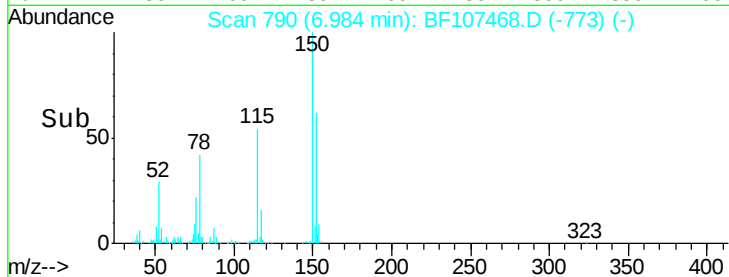
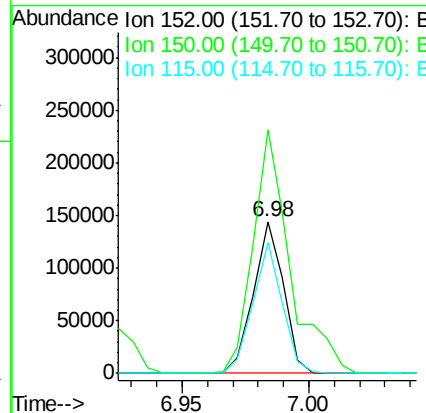
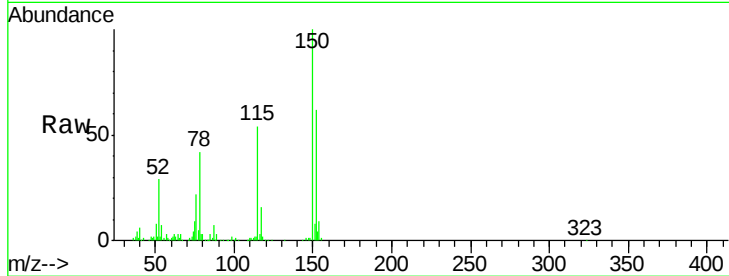


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Instrument :  
BNA\_F  
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PB111134BS

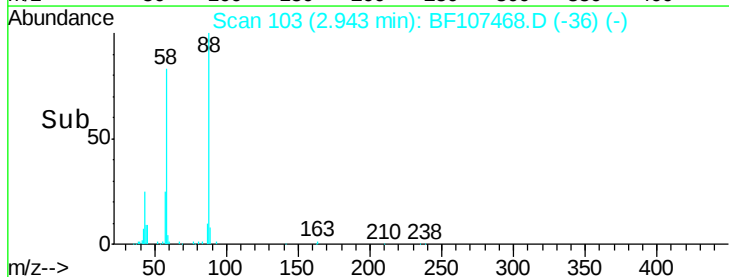
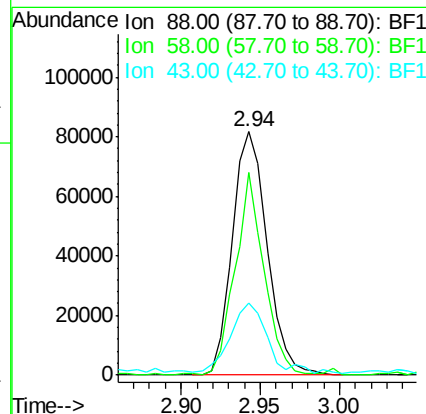
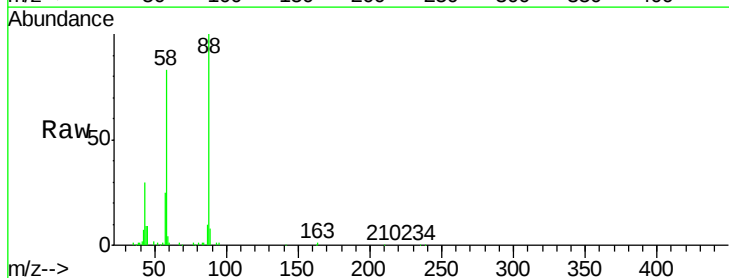
Tgt Ion: 152 Resp: 118852  
Ion Ratio Lower Upper  
152 100  
150 160.8 124.6 186.8  
115 86.3 50.1 75.1#

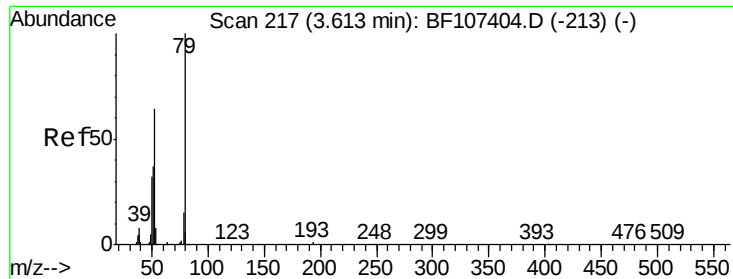


#2

1,4-Dioxane  
Concen: 32.174 ng  
RT: 2.94 min Scan# 103  
Delta R.T. 0.09 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion: 88 Resp: 124306  
Ion Ratio Lower Upper  
88 100  
58 69.6 62.6 93.8  
43 30.4 24.6 37.0





#3

Pyridine

Concen: 33.849 ng

RT: 3.70 min Scan# 231

Delta R.T. 0.06 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

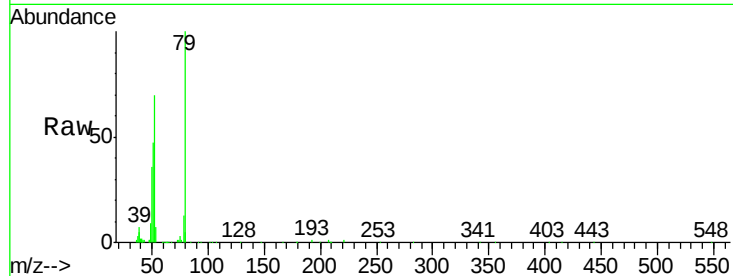
Tgt Ion: 79 Resp: 352722

Ion Ratio Lower Upper

79 100

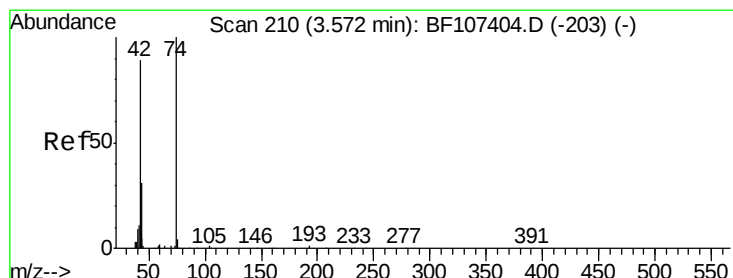
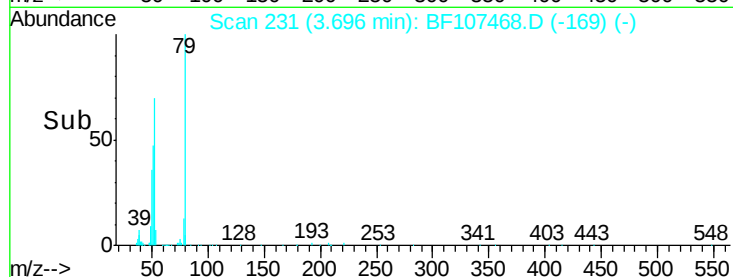
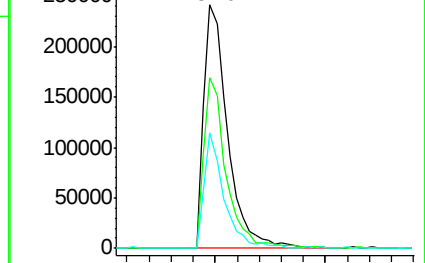
52 70.0 59.8 89.6

51 47.3 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

3.70



#4

n-Nitrosodimethylamine

Concen: 44.486 ng

RT: 3.67 min Scan# 226

Delta R.T. 0.08 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

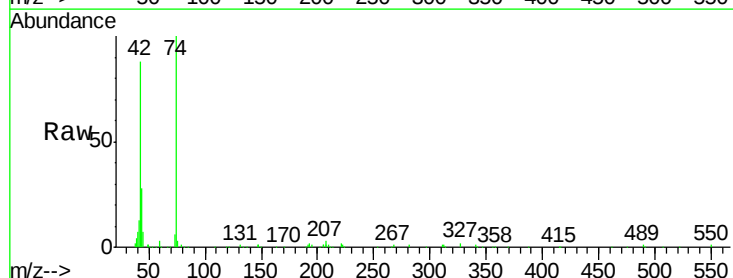
Tgt Ion: 42 Resp: 190354

Ion Ratio Lower Upper

42 100

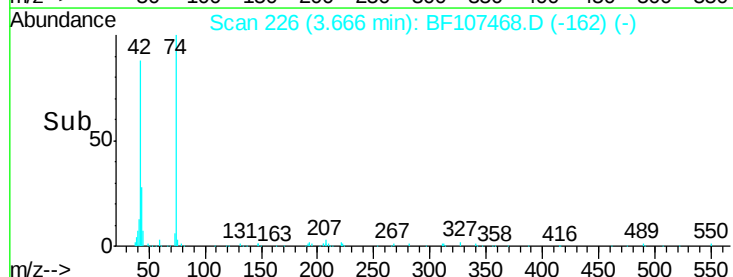
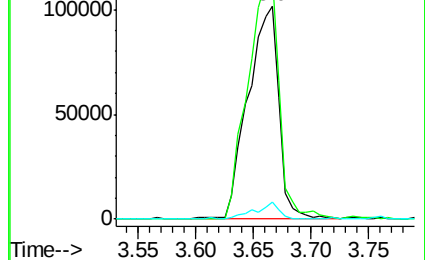
74 114.0 104.9 157.3

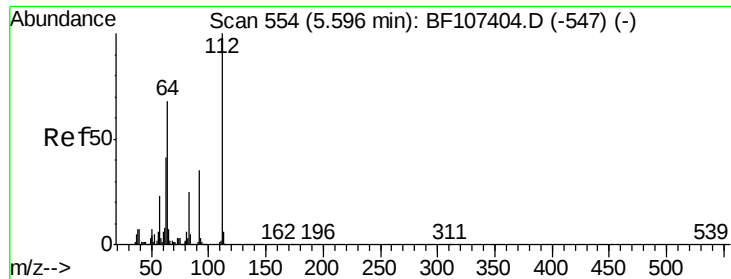
44 7.8 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1

3.67





#5

2-Fluorophenol

Concen: 48.879 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

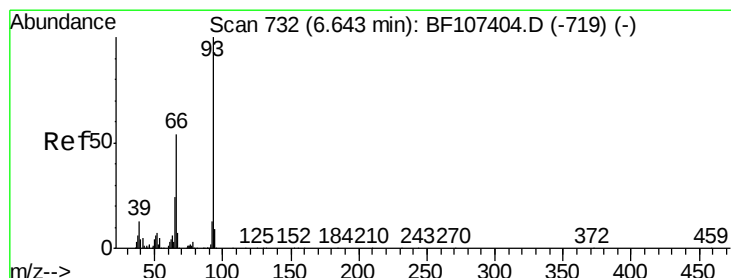
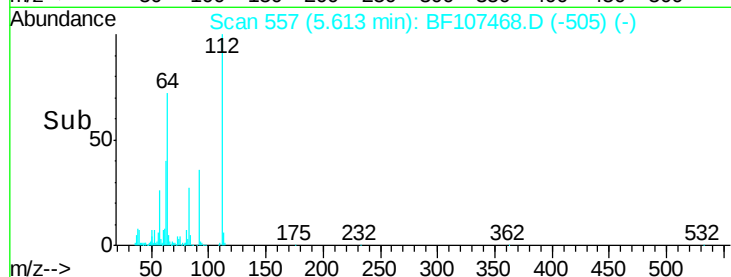
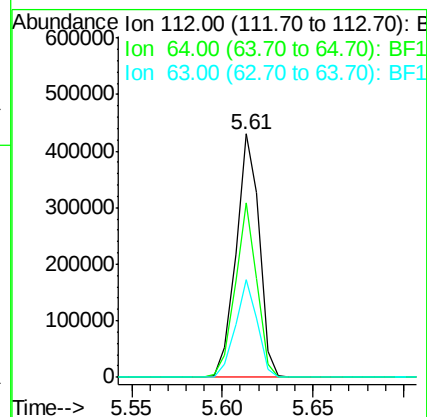
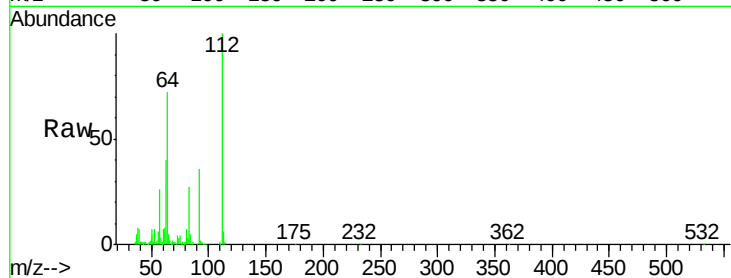
Tgt Ion: 112 Resp: 382509

Ion Ratio Lower Upper

112 100

64 71.5 47.9 71.9

63 40.4 23.7 35.5#



#6

Aniline

Concen: 27.527 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

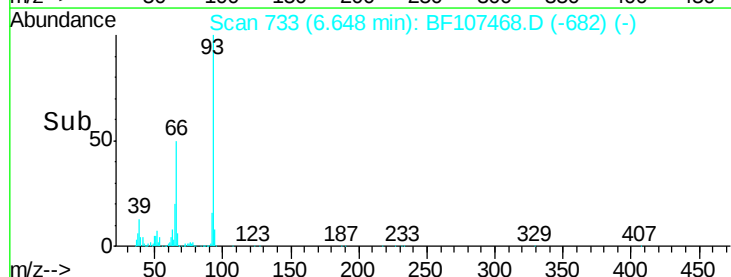
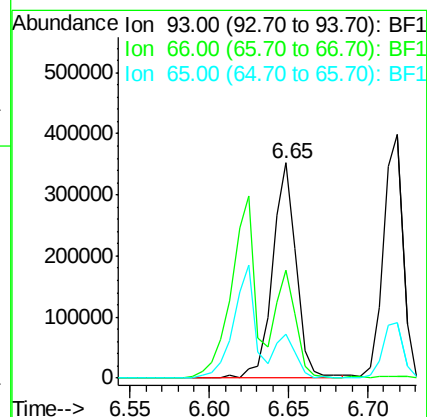
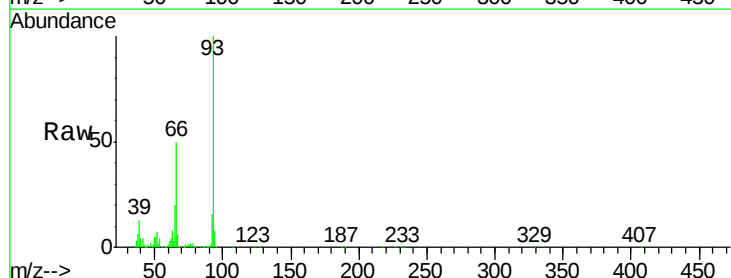
Tgt Ion: 93 Resp: 368172

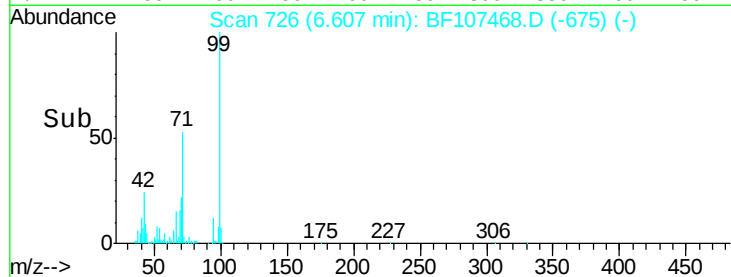
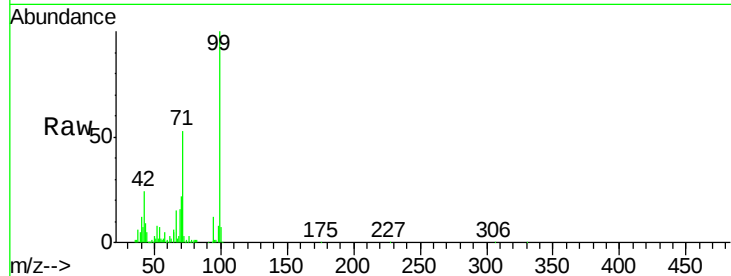
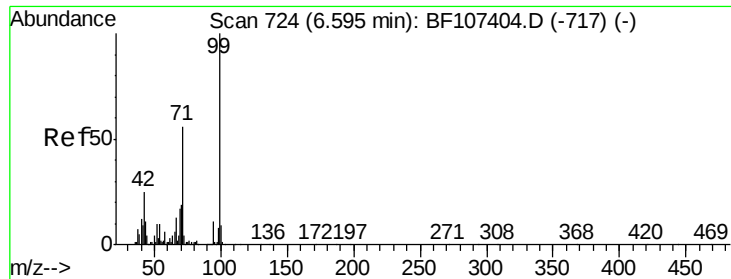
Ion Ratio Lower Upper

93 100

66 49.9 32.2 48.2#

65 20.4 16.4 24.6





#7

Phenol-d6

Concen: 48.224 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

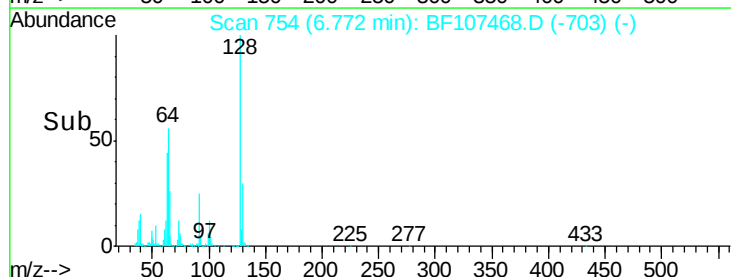
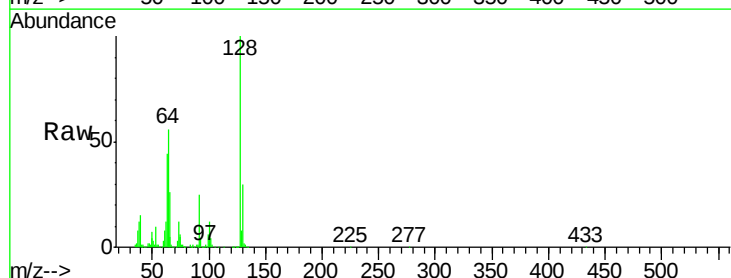
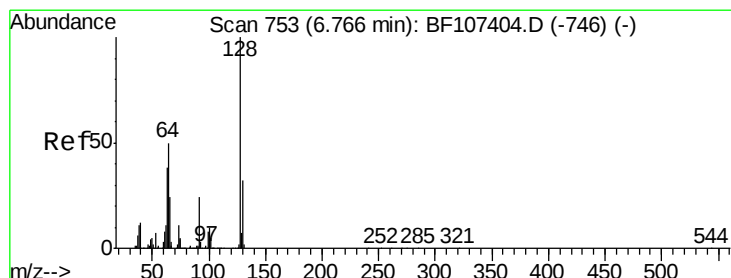
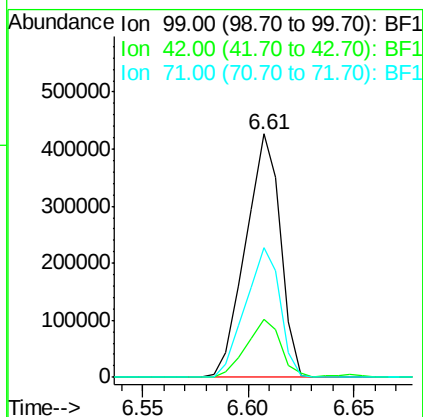
Tgt Ion: 99 Resp: 487920

Ion Ratio Lower Upper

99 100

42 23.6 14.5 21.7#

71 53.4 25.4 38.0#



#8

2-Chlorophenol

Concen: 43.204 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

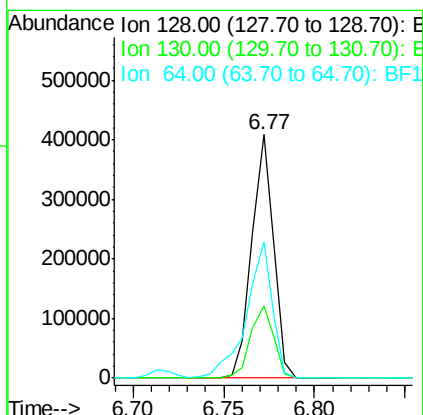
Tgt Ion: 128 Resp: 341919

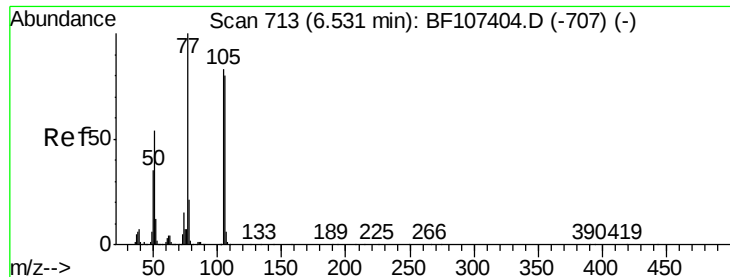
Ion Ratio Lower Upper

128 100

130 29.9 13.0 53.0

64 56.1 29.4 69.4





#9

Benzaldehyde

Concen: 25.891 ng

RT: 6.54 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

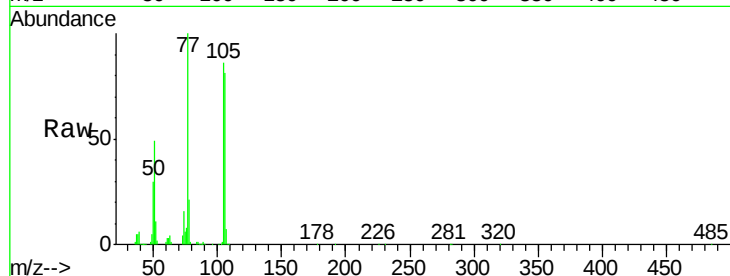
Tgt Ion: 77 Resp: 210729

Ion Ratio Lower Upper

77 100

105 86.3 81.1 121.1

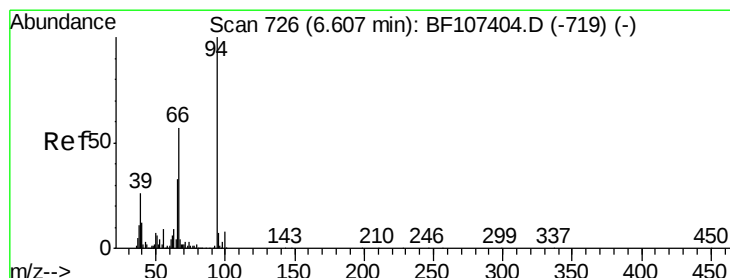
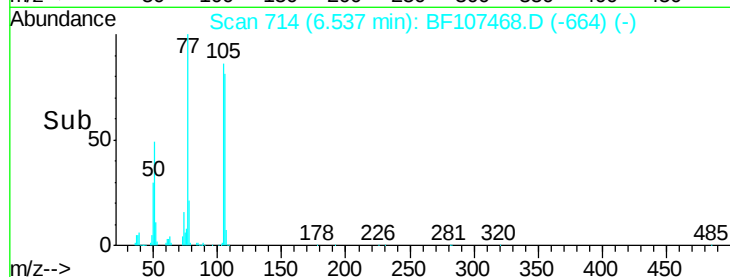
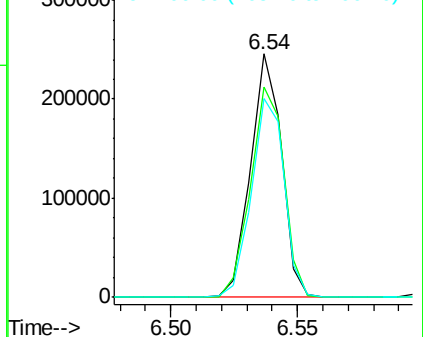
106 81.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.360 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

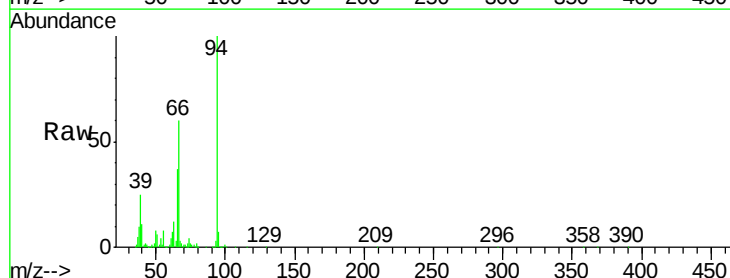
Tgt Ion: 94 Resp: 448640

Ion Ratio Lower Upper

94 100

65 37.3 7.9 47.9

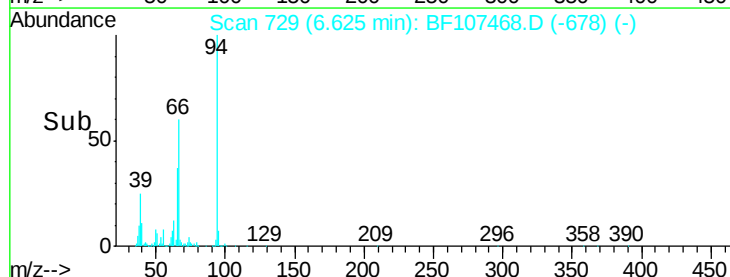
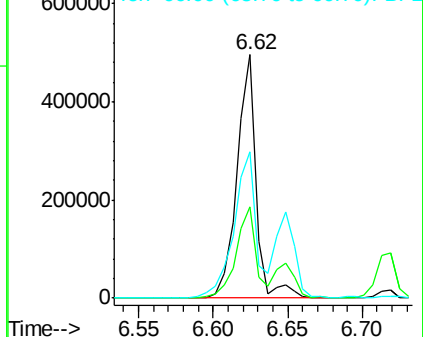
66 60.0 16.2 56.2#

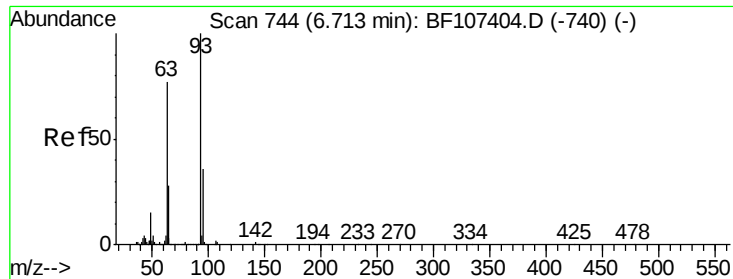


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

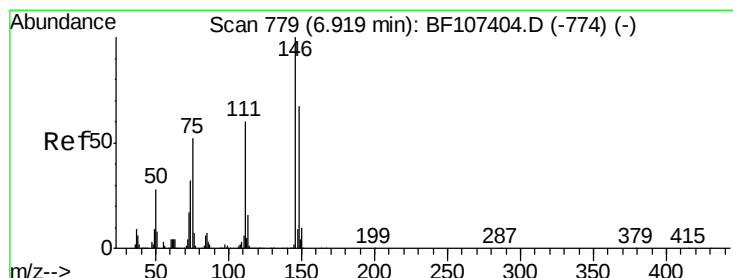
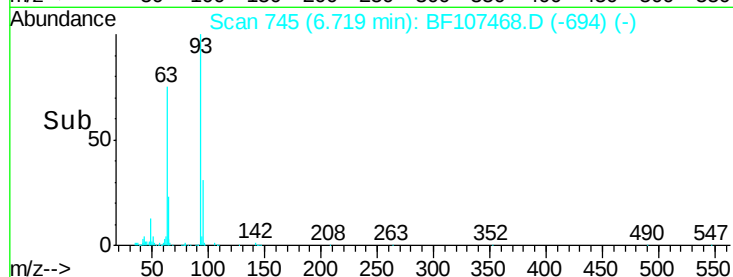
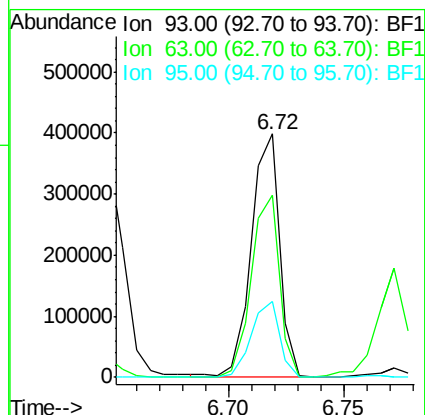
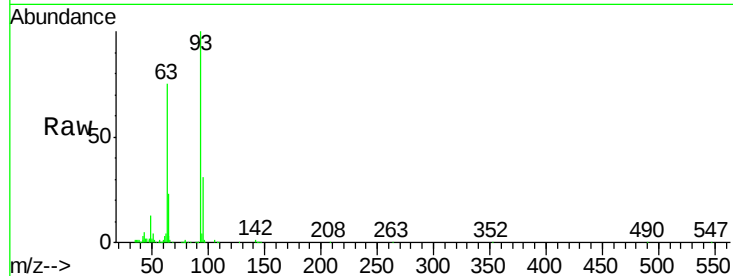




#11  
bis(2-Chloroethyl)ether  
Concen: 39.204 ng  
RT: 6.72 min Scan# 745  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

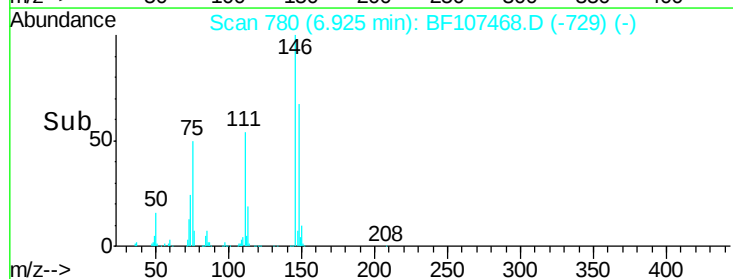
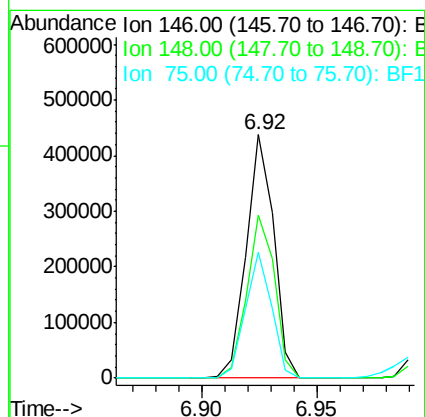
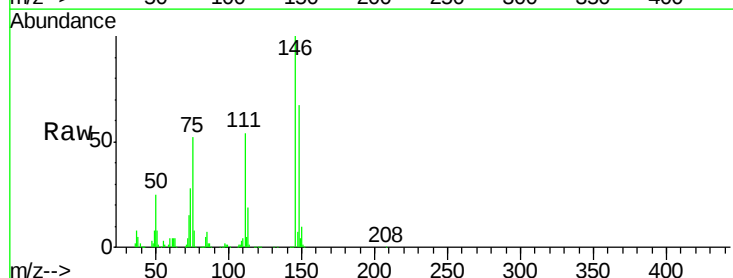
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

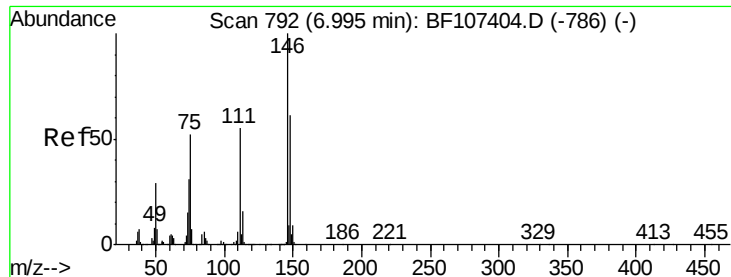
Tgt Ion: 93 Resp: 347034  
Ion Ratio Lower Upper  
93 100  
63 74.9 58.6 98.6  
95 31.4 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 38.100 ng  
RT: 6.92 min Scan# 780  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion: 146 Resp: 366081  
Ion Ratio Lower Upper  
146 100  
148 67.0 51.8 77.8  
75 51.5 24.2 36.4#





#13

1,4-Dichlorobenzene

Concen: 39.591 ng

RT: 7.00 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

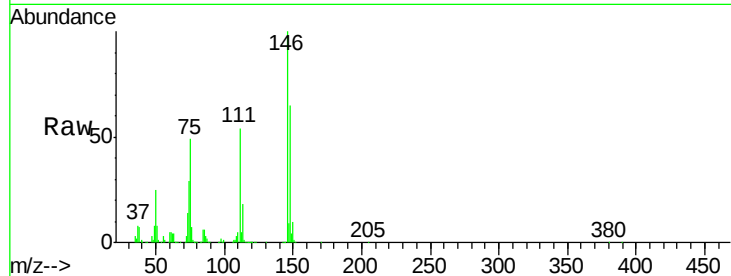
Tgt Ion:146 Resp: 377091

Ion Ratio Lower Upper

146 100

148 65.2 50.8 76.2

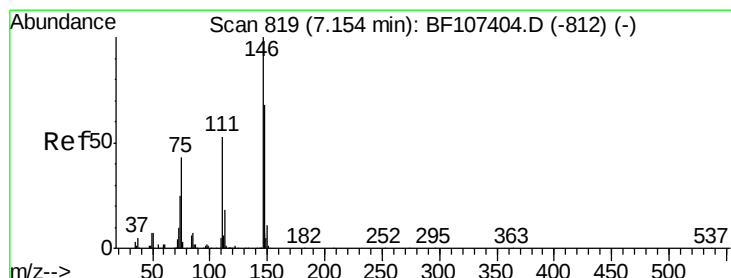
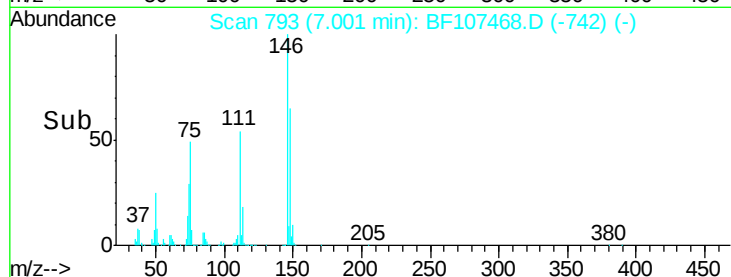
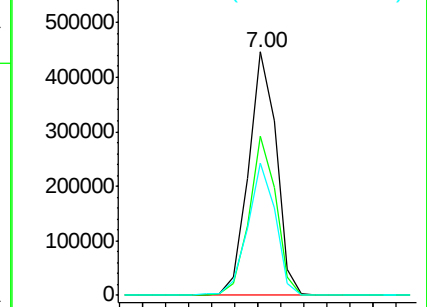
111 54.4 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.244 ng

RT: 7.15 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

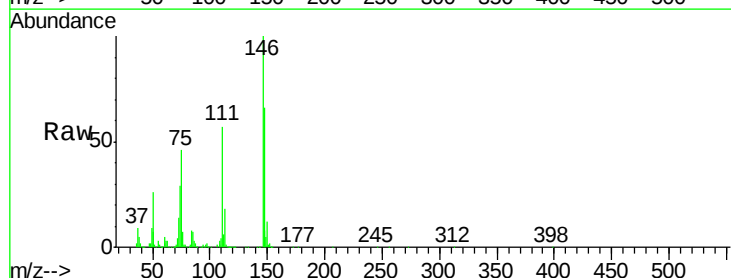
Tgt Ion:146 Resp: 358651

Ion Ratio Lower Upper

146 100

148 66.2 50.6 75.8

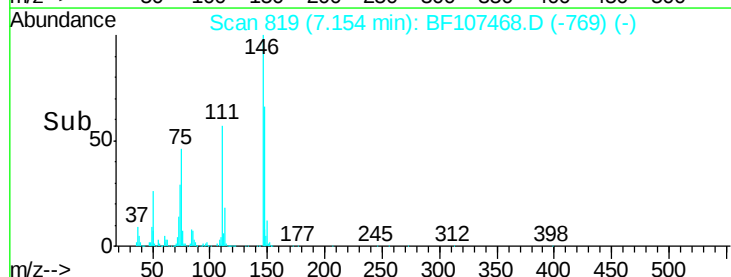
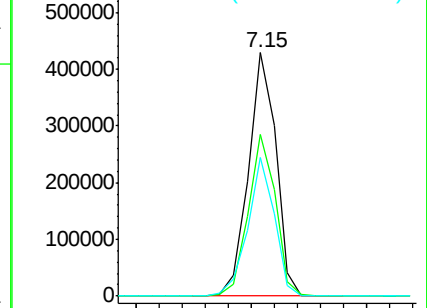
111 57.0 36.0 54.0#

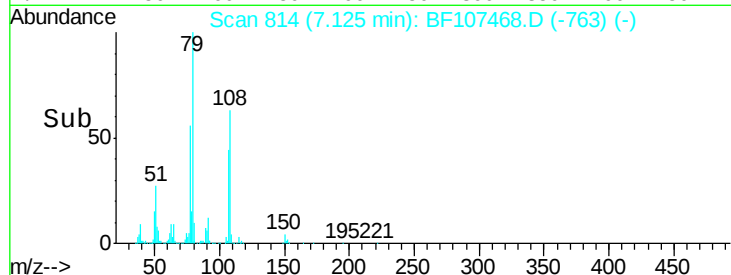
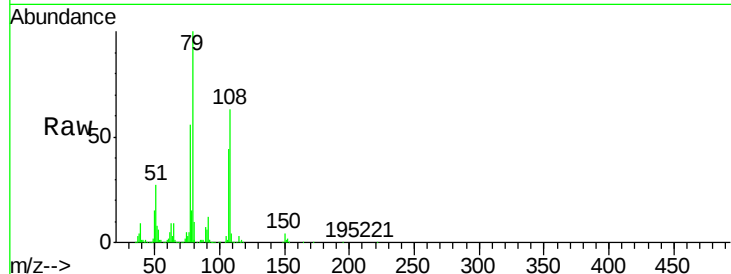
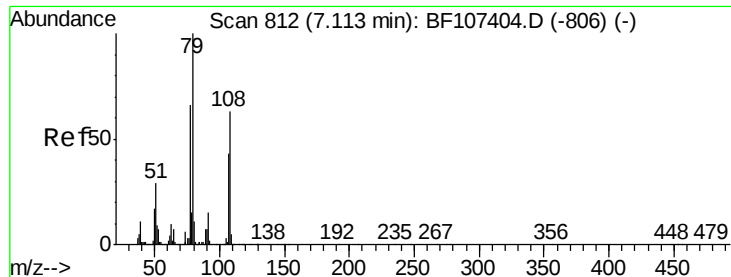


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

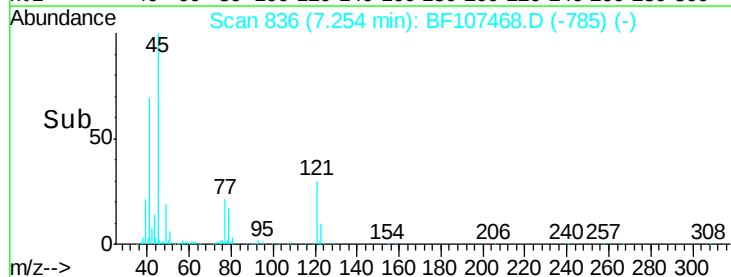
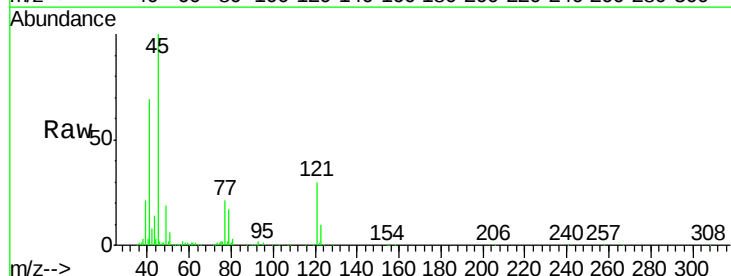
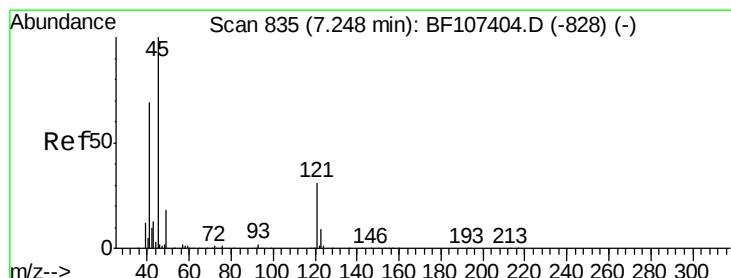
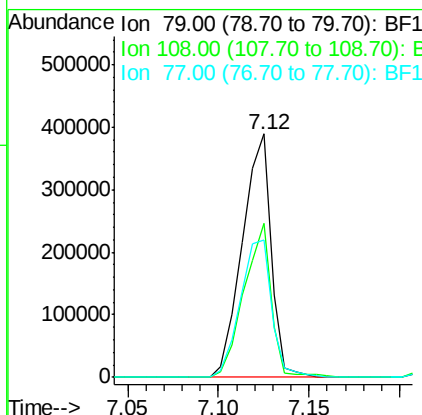




#15  
Benzyl Alcohol  
Concen: 42.401 ng  
RT: 7.12 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

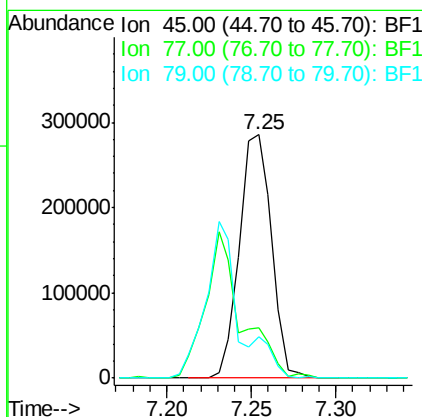
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

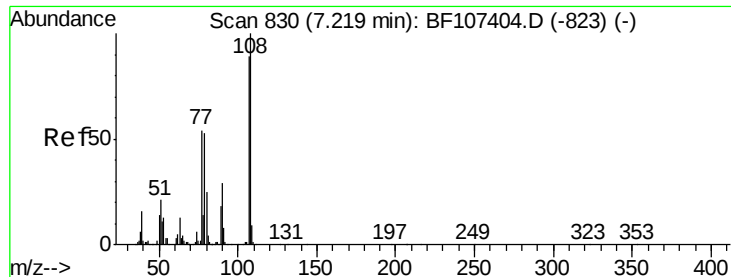
Tgt Ion: 79 Resp: 430833  
Ion Ratio Lower Upper  
79 100  
108 63.1 65.1 97.7#  
77 56.3 50.6 75.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.088 ng  
RT: 7.25 min Scan# 836  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion: 45 Resp: 378674  
Ion Ratio Lower Upper  
45 100  
77 20.8 0.0 32.9  
79 17.1 0.0 29.6

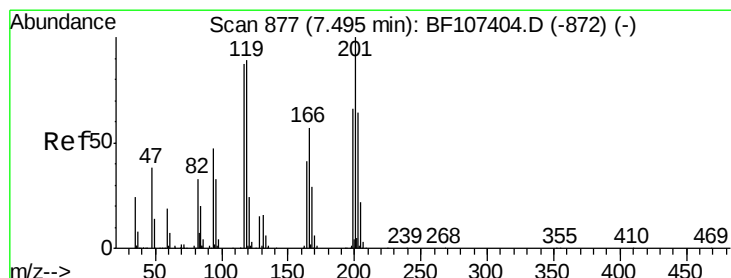
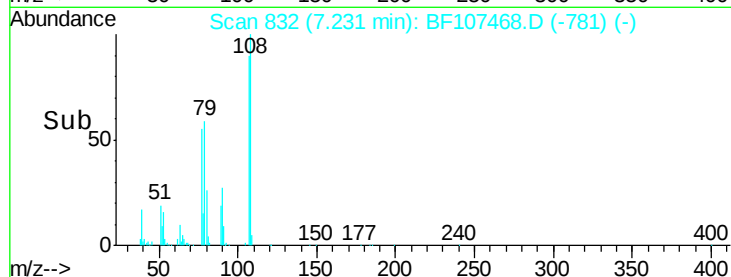
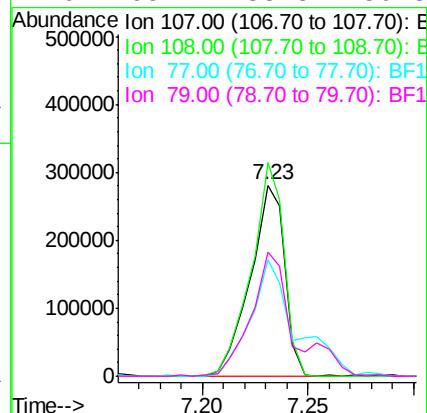
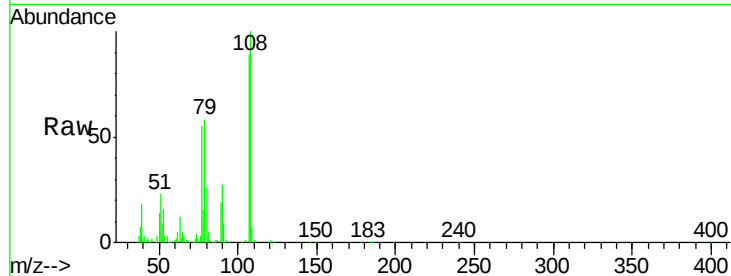




#17  
2-Methylphenol  
Concen: 42.376 ng  
RT: 7.23 min Scan# 832  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

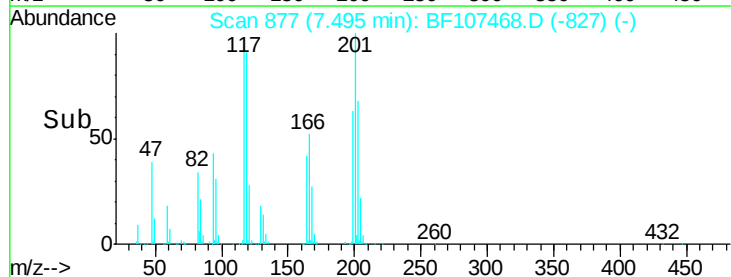
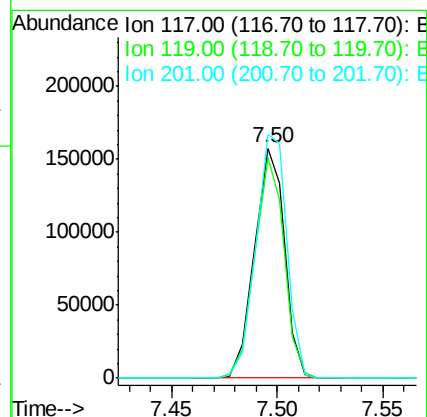
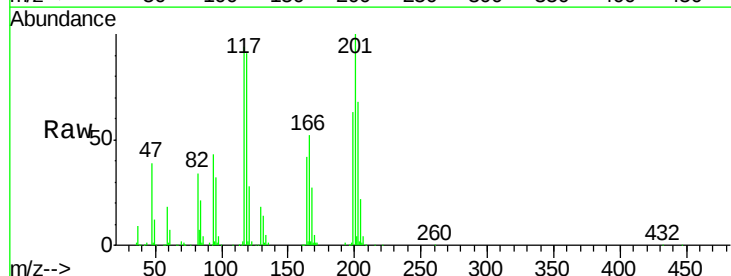
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

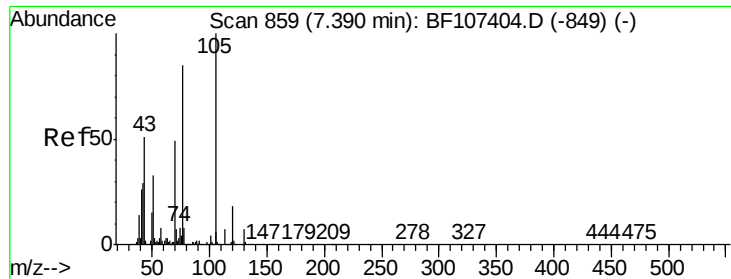
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.0 | 91.7  | 137.5 |
| 77      | 61.2  | 33.8  | 50.8# |
| 79      | 65.2  | 33.8  | 50.8# |



#18  
Hexachloroethane  
Concen: 44.042 ng  
RT: 7.50 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.0  | 75.8  | 113.8 |
| 201     | 105.9 | 75.7  | 113.5 |

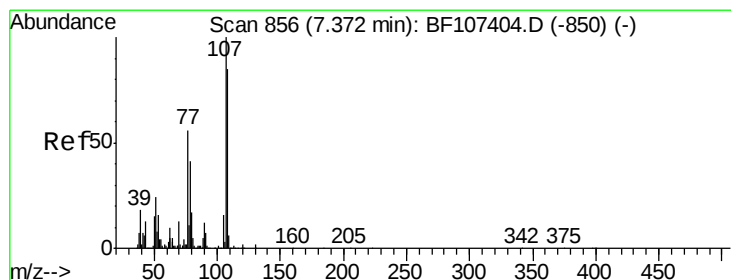
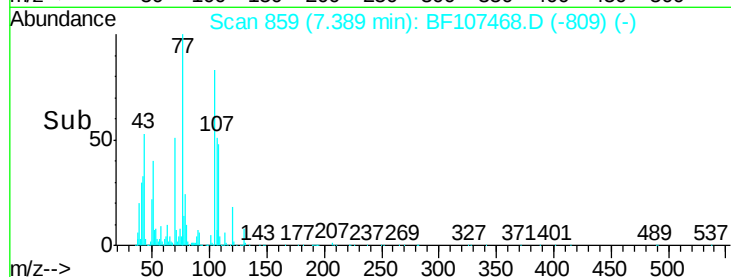
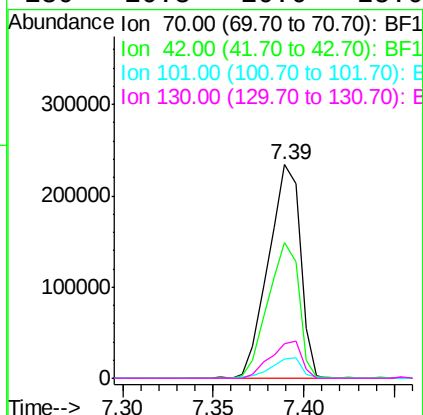
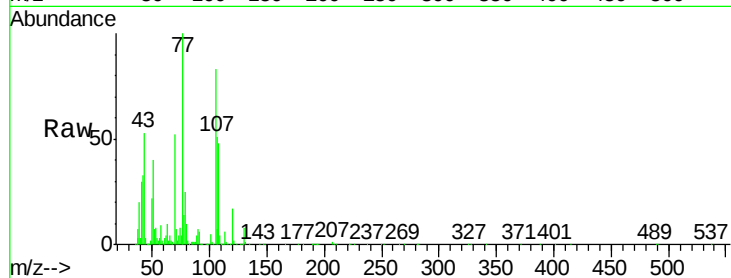




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.763 ng  
RT: 7.39 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

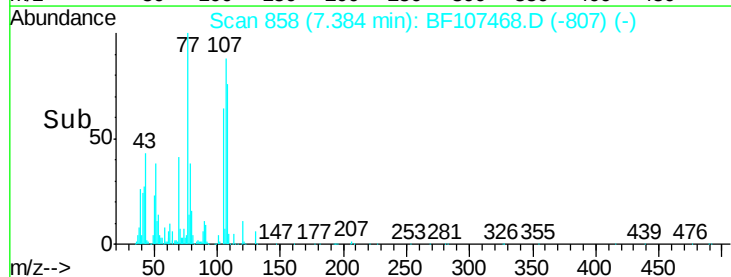
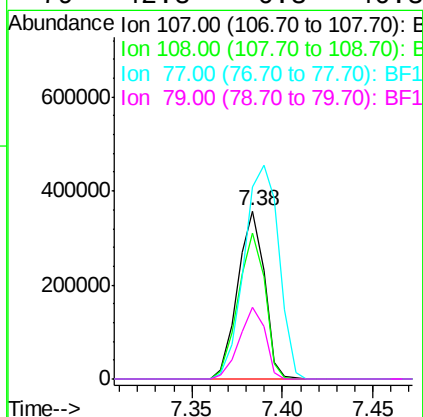
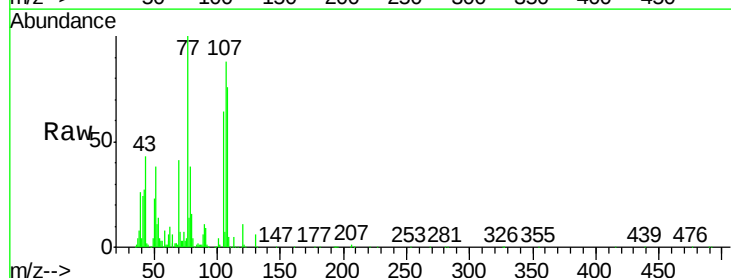
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

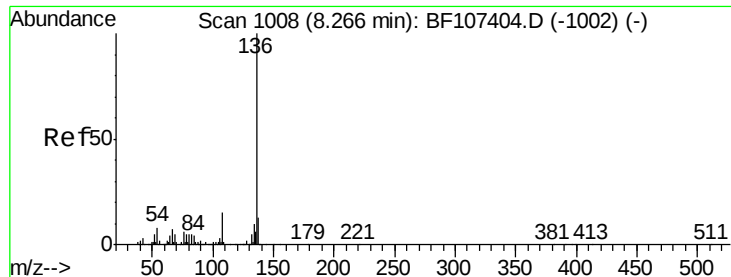
Tgt Ion: 70 Resp: 288052  
Ion Ratio Lower Upper  
70 100  
42 63.5 47.5 71.3  
101 8.9 7.4 11.2  
130 16.3 16.6 25.0#



#20  
3+4-Methylphenols  
Concen: 38.216 ng  
RT: 7.38 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion: 107 Resp: 365293  
Ion Ratio Lower Upper  
107 100  
108 86.5 68.2 108.2  
77 113.9 26.7 66.7#  
79 42.8 6.3 46.3

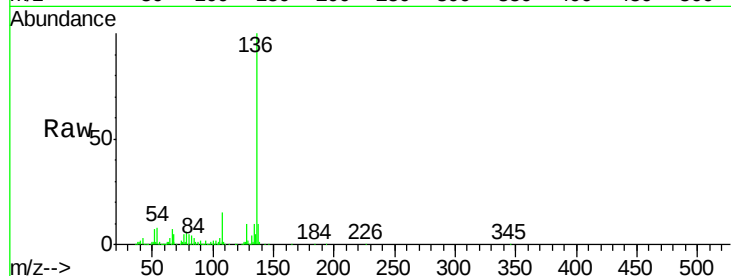




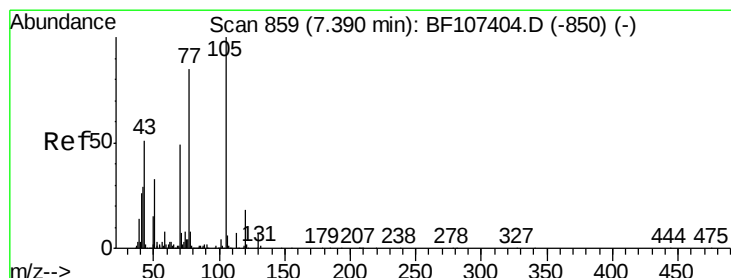
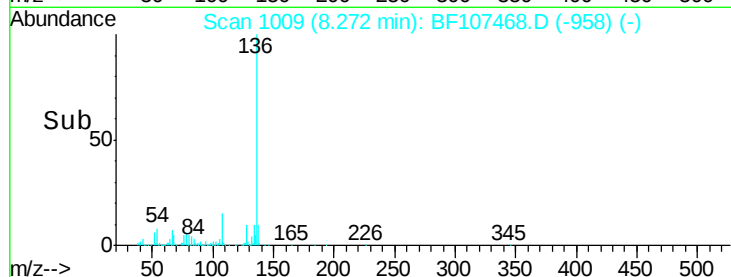
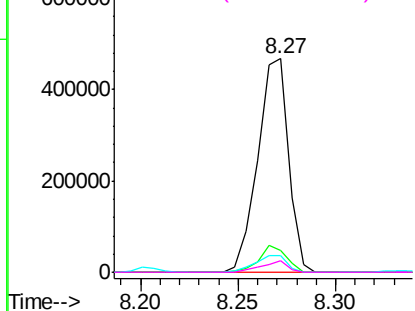
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.27 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 511187 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.9   | 13.3   |
| 54       | 7.9   | 6.6   | 9.8    |
| 68       | 5.3   | 5.0   | 7.4    |

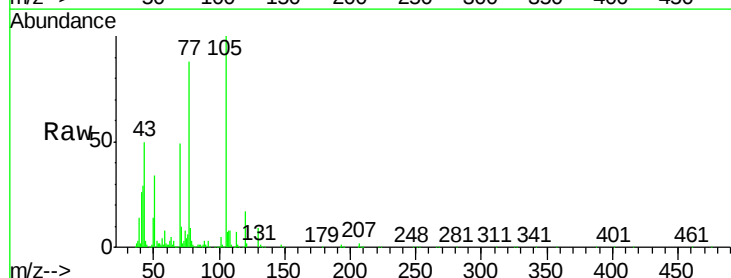


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

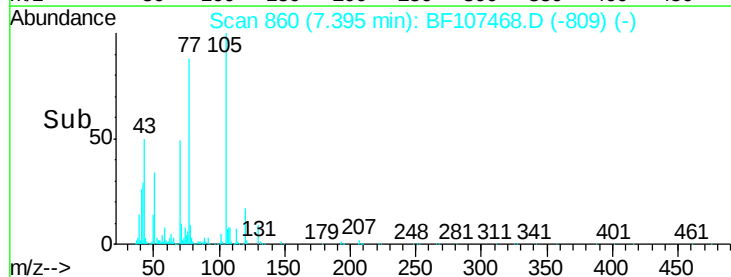
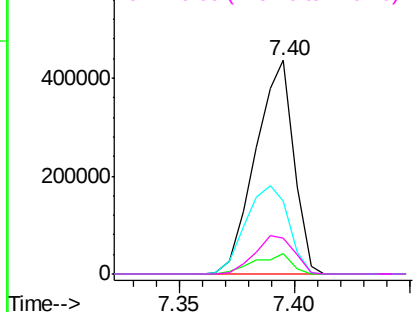


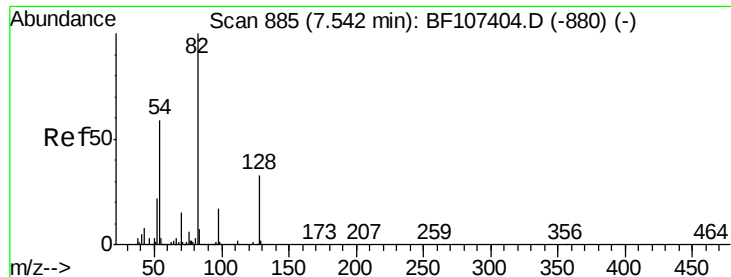
#22  
Acetophenone  
Concen: 35.853 ng  
RT: 7.40 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 503561 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 9.7   | 4.4   | 6.6#   |
| 51       | 34.1  | 22.3  | 33.5#  |
| 120      | 17.1  | 16.9  | 25.3   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

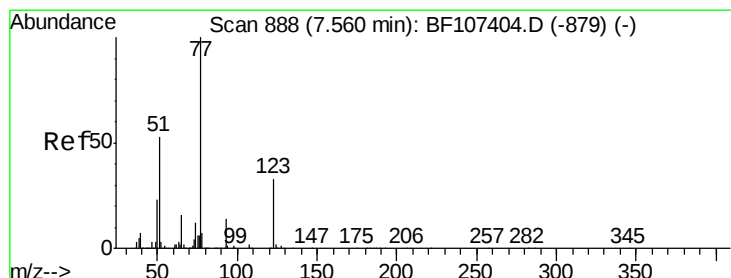
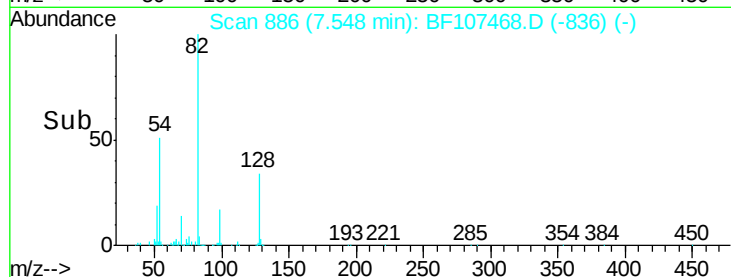
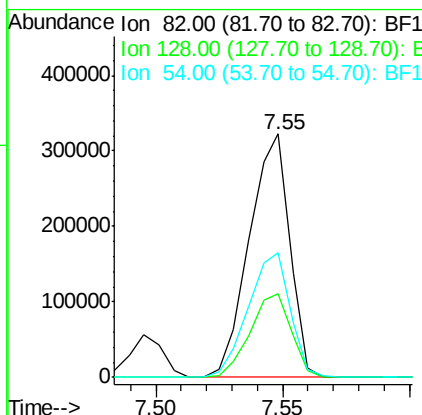
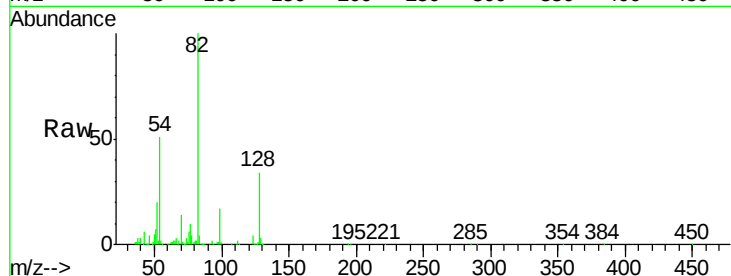




#23  
 Nitrobenzene-d5  
 Concen: 37.360 ng  
 RT: 7.55 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

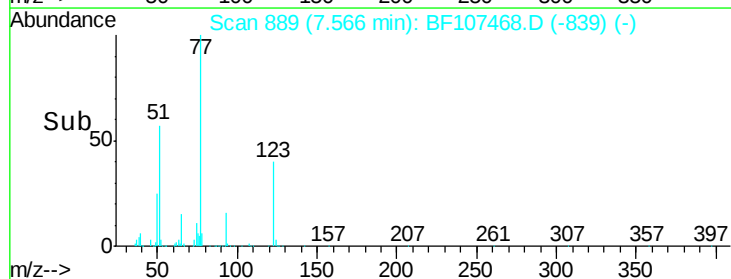
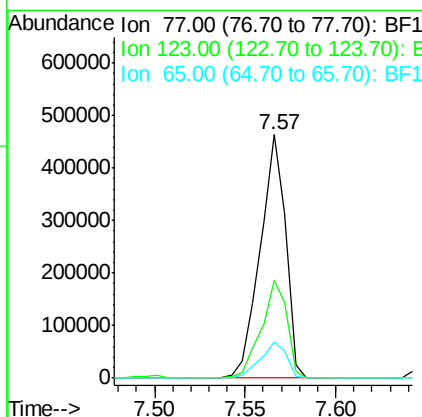
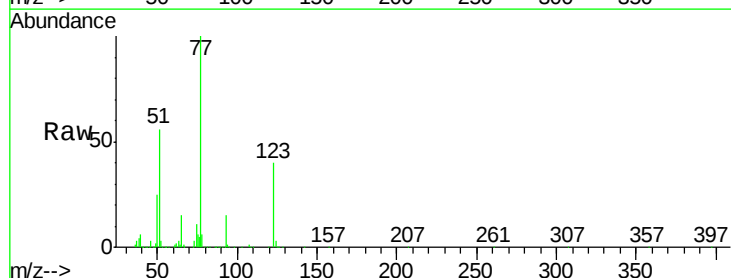
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

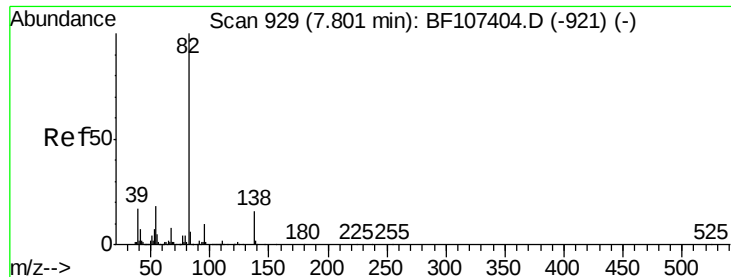
Tgt Ion: 82 Resp: 358144  
 Ion Ratio Lower Upper  
 82 100  
 128 34.2 36.1 54.1#  
 54 51.3 41.4 62.2



#24  
 Nitrobenzene  
 Concen: 42.169 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion: 77 Resp: 454297  
 Ion Ratio Lower Upper  
 77 100  
 123 40.2 37.9 56.9  
 65 14.7 11.0 16.4





#25

Isophorone

Concen: 41.211 ng

RT: 7.81 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

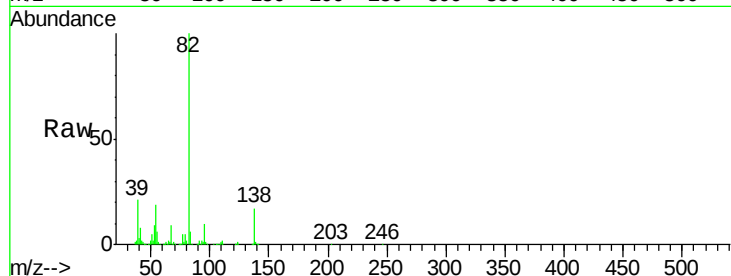
Tgt Ion: 82 Resp: 783074

Ion Ratio Lower Upper

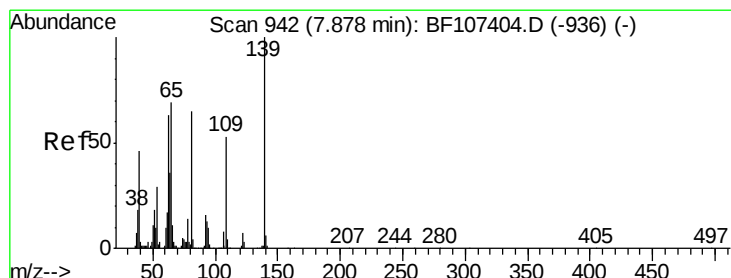
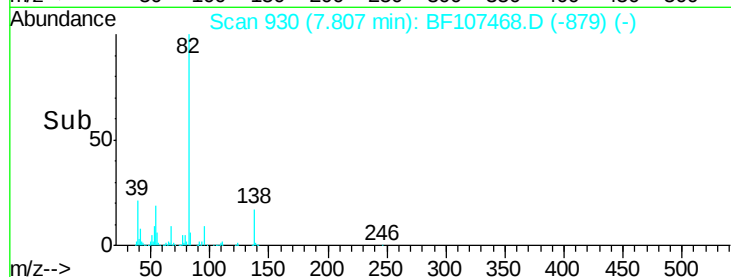
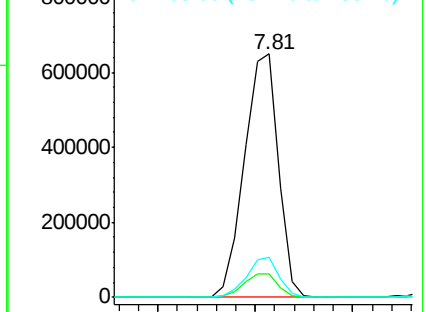
82 100

95 9.5 5.2 7.8#

138 16.6 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 53.318 ng

RT: 7.88 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

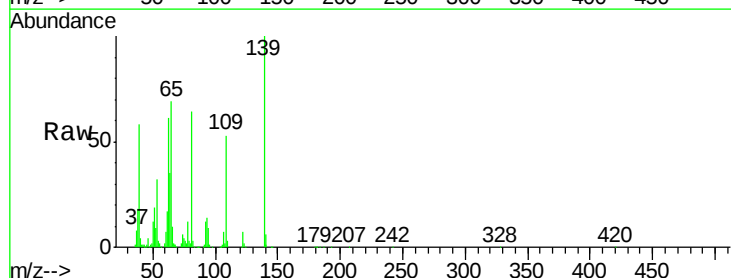
Tgt Ion: 139 Resp: 195257

Ion Ratio Lower Upper

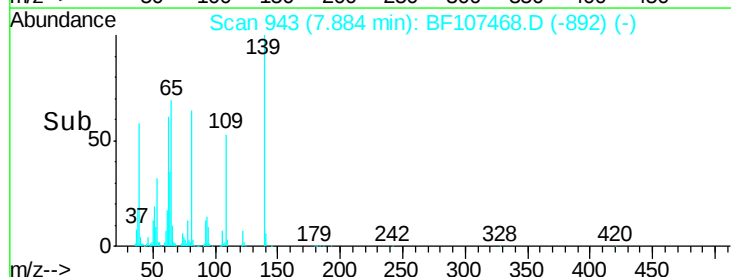
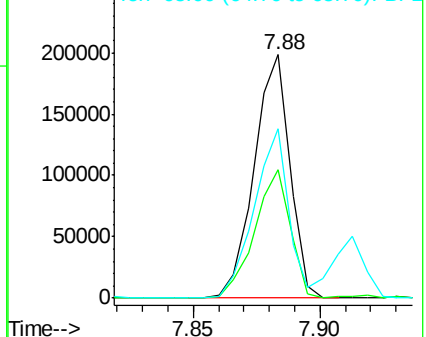
139 100

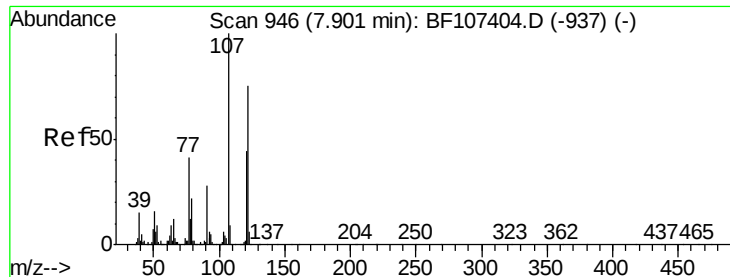
109 53.0 22.7 34.1#

65 69.4 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 42.597 ng

RT: 7.91 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

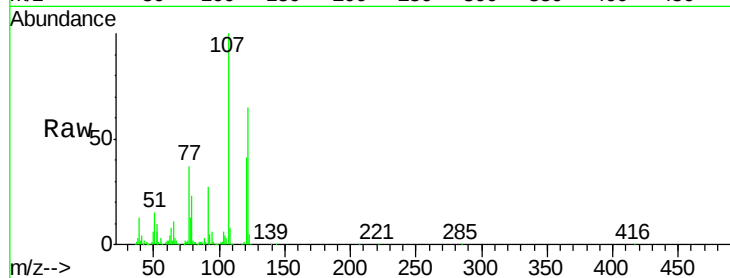
Tgt Ion:122 Resp: 325300

Ion Ratio Lower Upper

122 100

107 154.3 91.2 136.8#

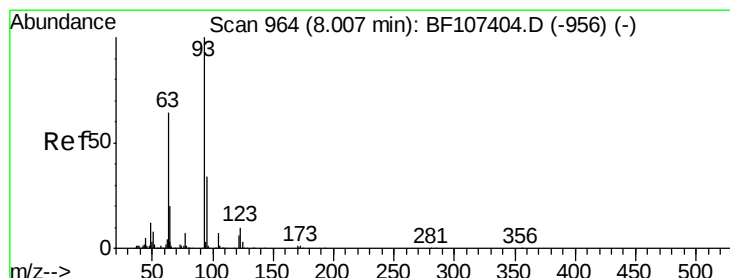
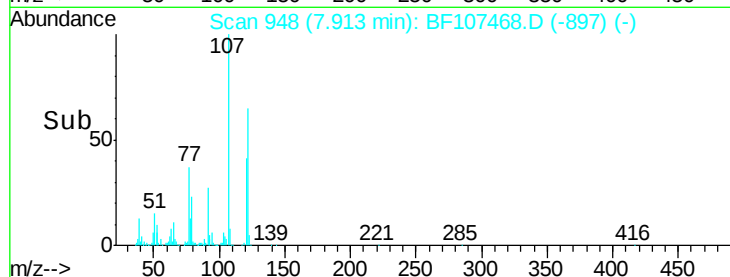
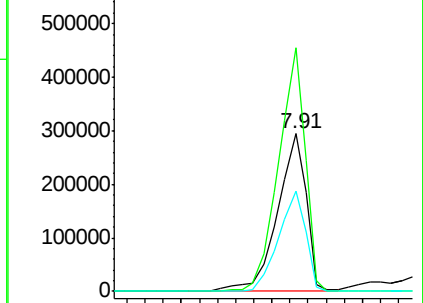
121 63.9 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.532 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

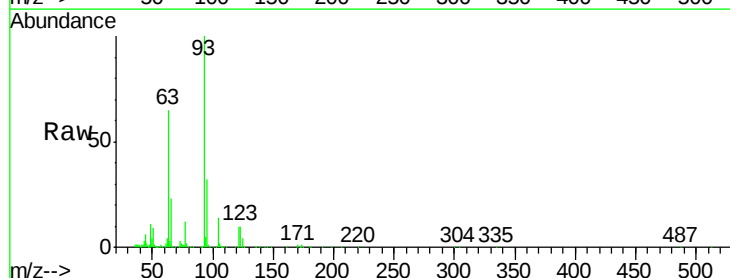
Tgt Ion: 93 Resp: 458529

Ion Ratio Lower Upper

93 100

95 32.4 26.3 39.5

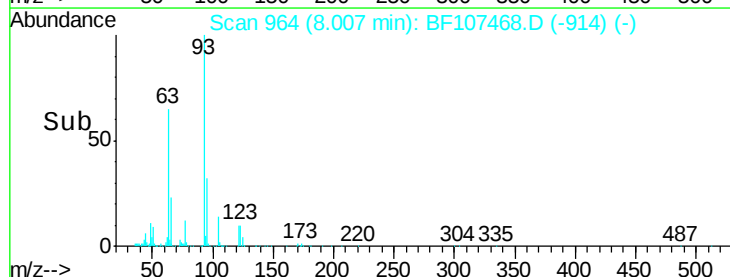
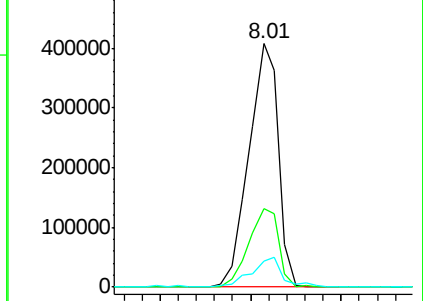
123 10.5 9.8 14.6

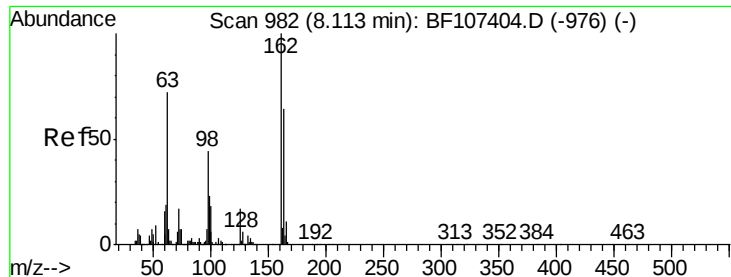


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

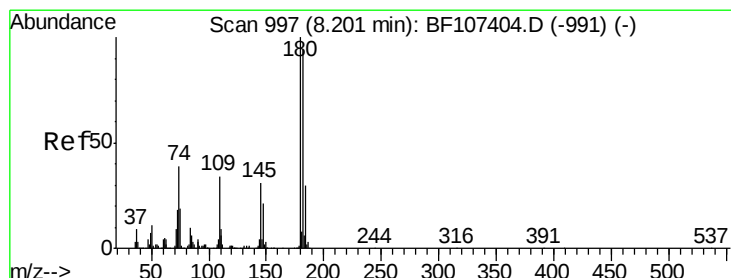
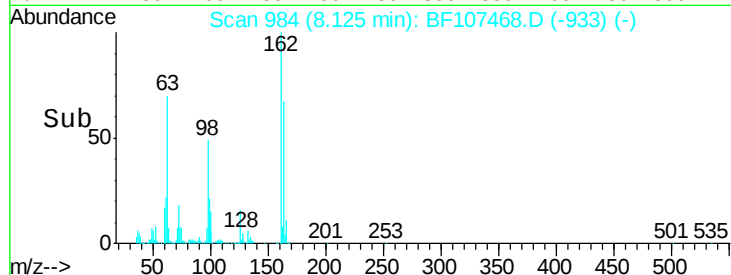
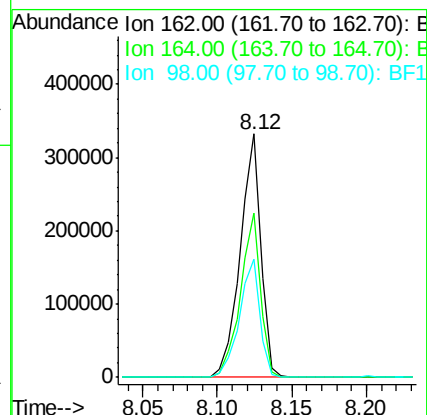
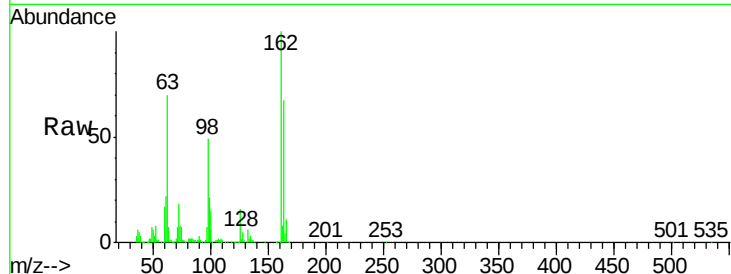




#29  
2,4-Dichlorophenol  
Concen: 40.841 ng  
RT: 8.12 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

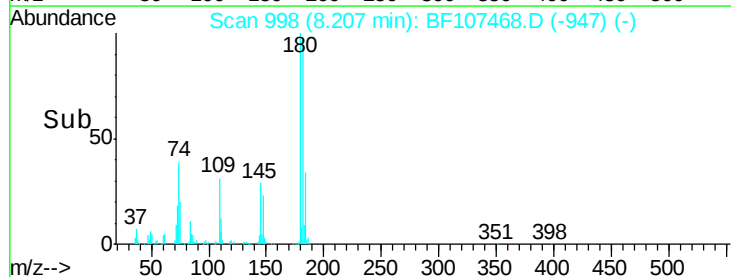
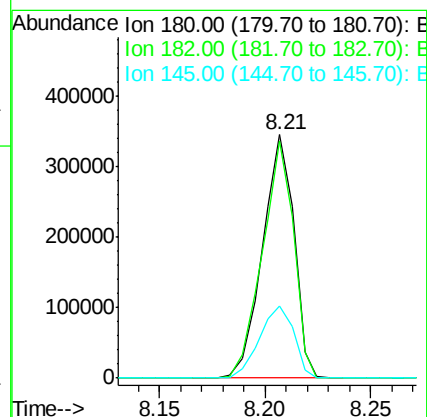
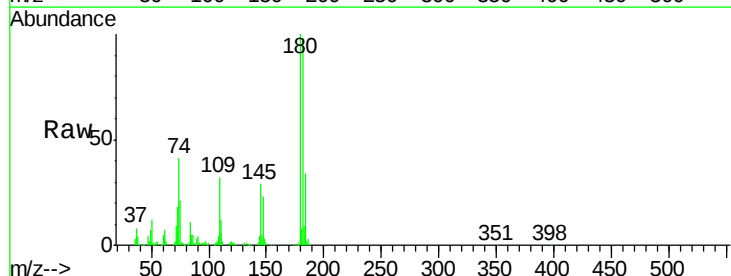
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

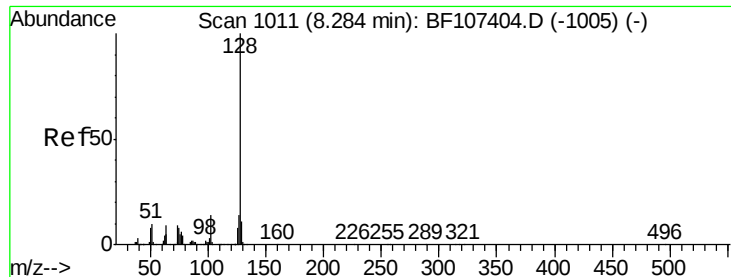
Tgt Ion:162 Resp: 324559  
Ion Ratio Lower Upper  
162 100  
164 67.2 42.7 82.7  
98 48.8 18.1 58.1



#30  
1,2,4-Trichlorobenzene  
Concen: 37.095 ng  
RT: 8.21 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:180 Resp: 356972  
Ion Ratio Lower Upper  
180 100  
182 97.5 76.8 115.2  
145 29.4 26.5 39.7

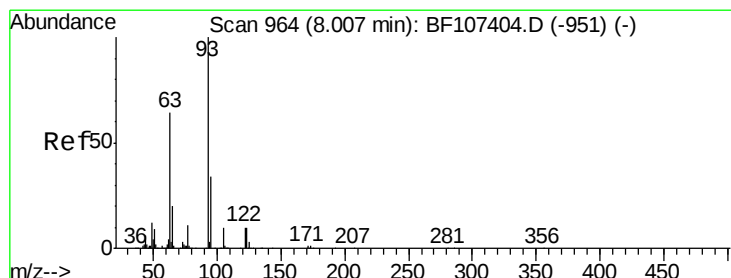
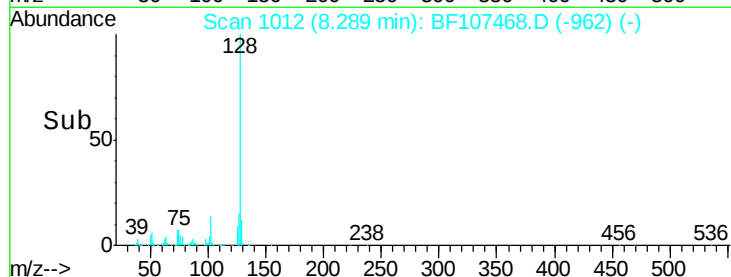
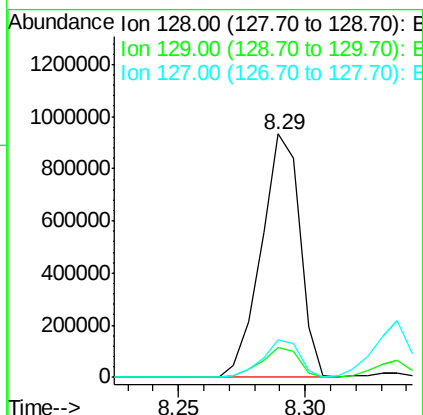
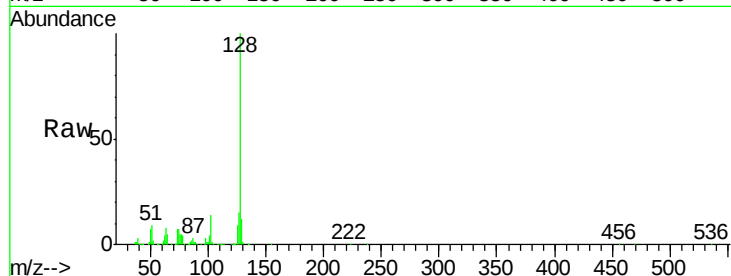




#31  
Naphthalene  
Concen: 39.723 ng  
RT: 8.29 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

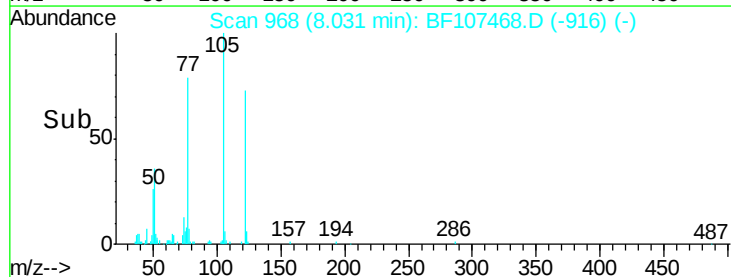
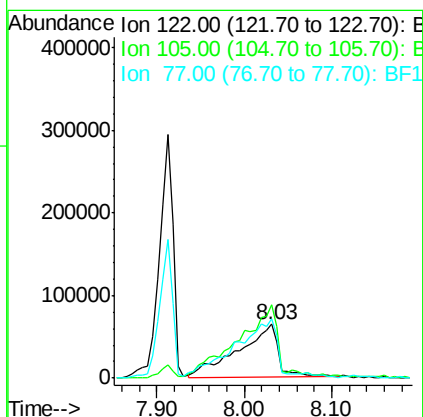
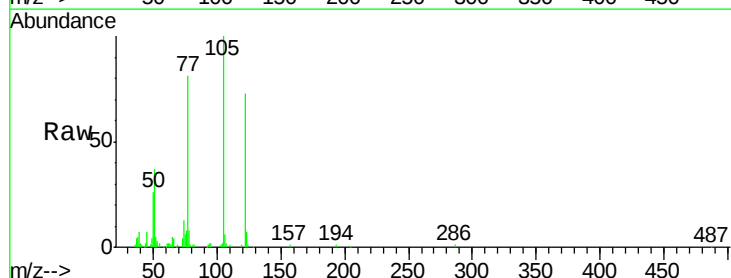
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

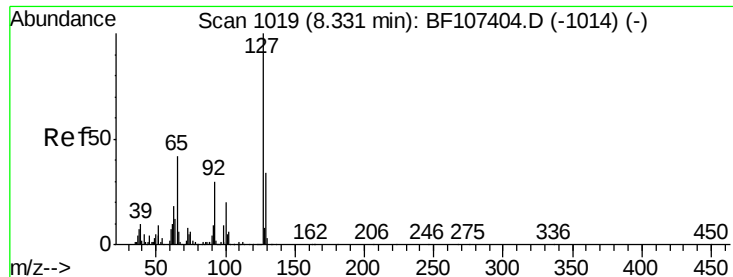
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.1  | 8.8   | 13.2  |
| 127     | 15.4  | 10.9  | 16.3  |



#32  
Benzoic acid  
Concen: 43.721 ng  
RT: 8.03 min Scan# 968  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 136.8 | 101.1 | 141.1 |
| 77      | 111.1 | 70.7  | 110.7 |

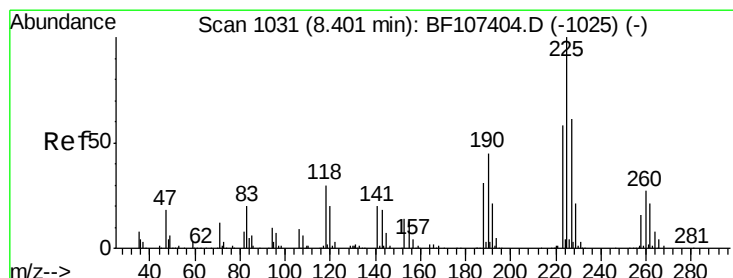
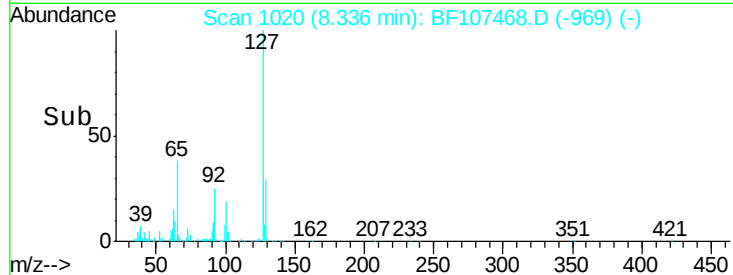
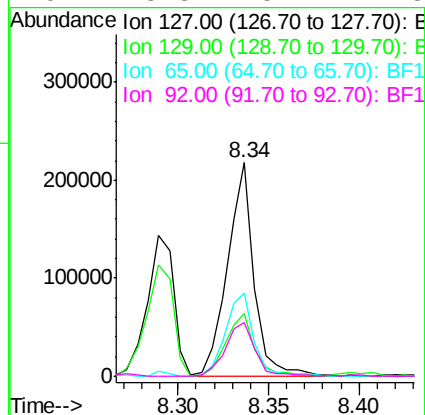
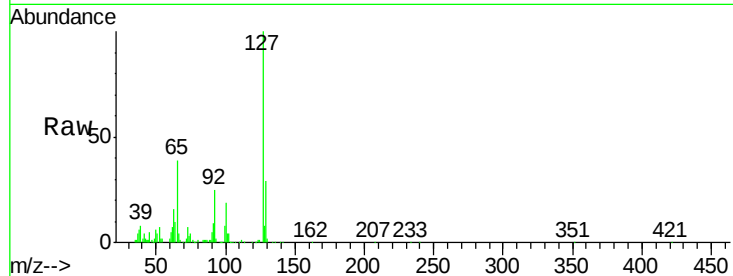




#33  
4-Chloroaniline  
Concen: 20.634 ng  
RT: 8.34 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

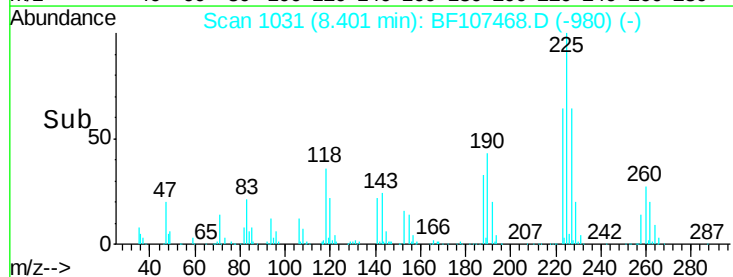
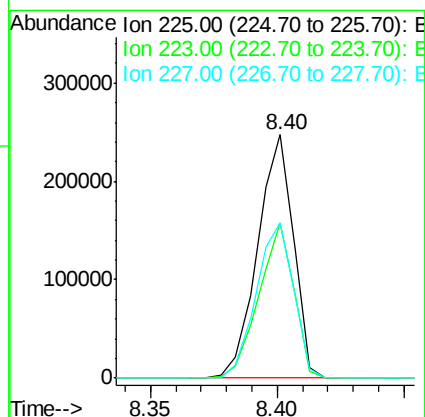
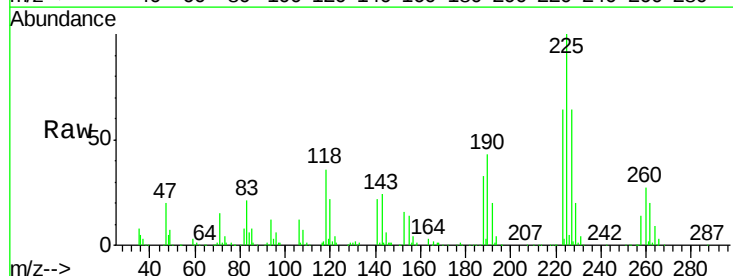
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

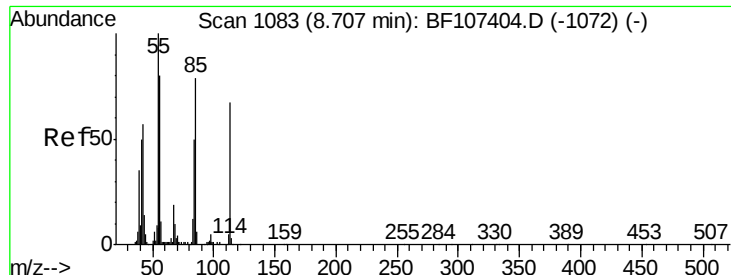
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 127  | Resp: | 221890 |
| Ion Ratio |      | Lower | Upper  |
| 127       | 100  |       |        |
| 129       | 29.4 | 25.9  | 38.9   |
| 65        | 38.9 | 25.0  | 37.4#  |
| 92        | 25.3 | 15.2  | 22.8#  |



#34  
Hexachlorobutadiene  
Concen: 37.792 ng  
RT: 8.40 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 225  | Resp: | 243351 |
| Ion Ratio |      | Lower | Upper  |
| 225       | 100  |       |        |
| 223       | 63.7 | 50.6  | 76.0   |
| 227       | 63.9 | 51.9  | 77.9   |

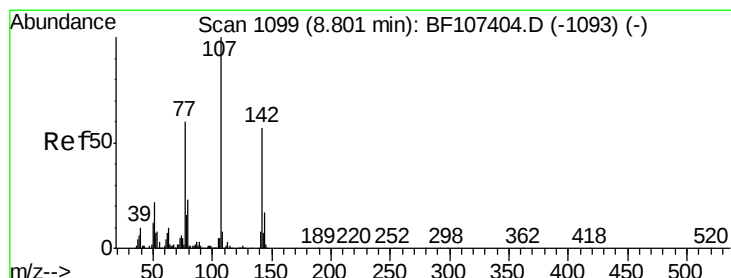
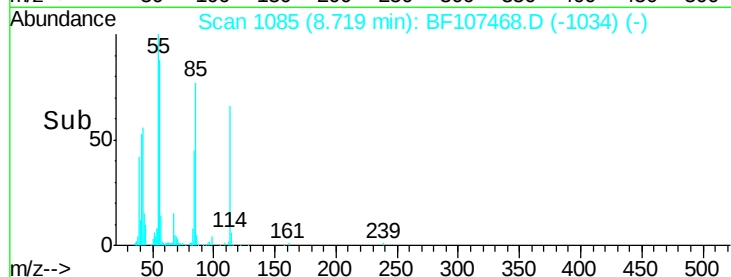
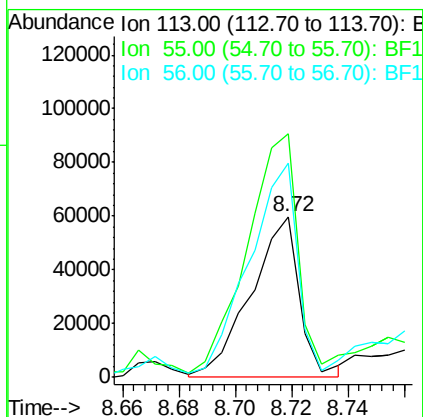
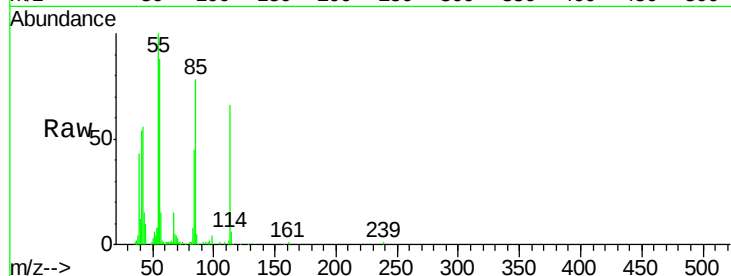




#35  
 Caprolactam  
 Concen: 27.841 ng  
 RT: 8.72 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

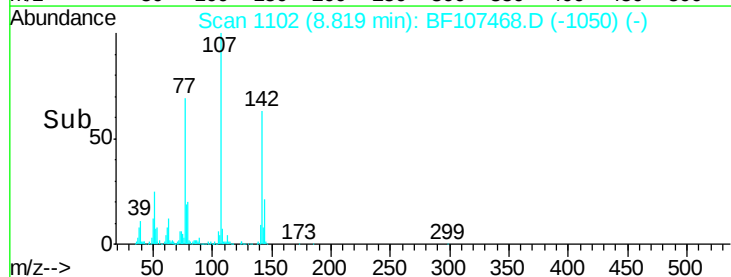
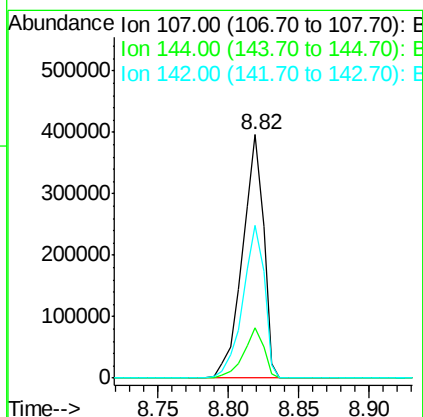
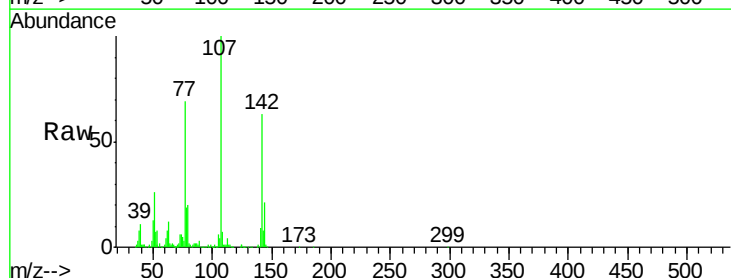
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

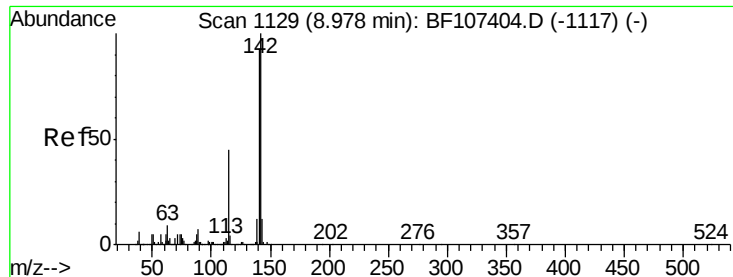
Tgt Ion:113 Resp: 71972  
 Ion Ratio Lower Upper  
 113 100  
 55 151.6 163.3 203.3#  
 56 133.3 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.982 ng  
 RT: 8.82 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:107 Resp: 415162  
 Ion Ratio Lower Upper  
 107 100  
 144 20.7 20.5 30.7  
 142 62.8 62.0 93.0

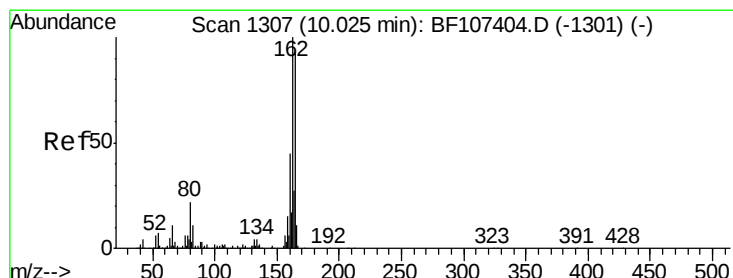
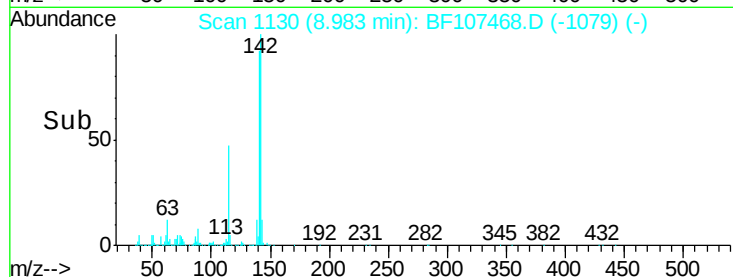
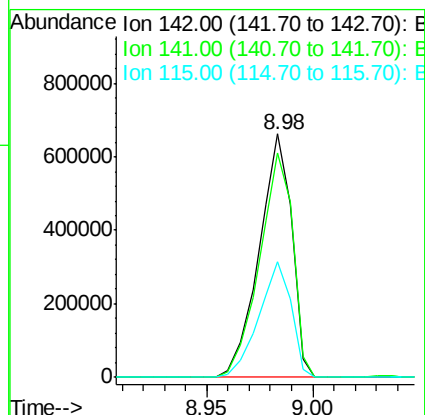
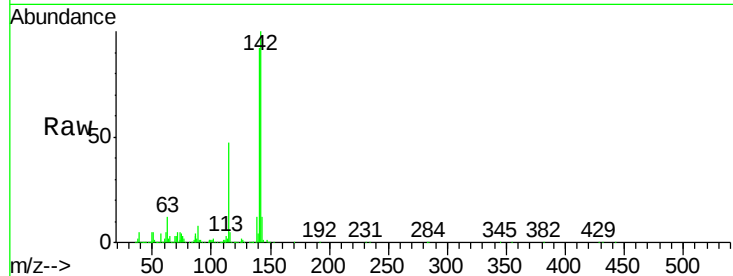




#37  
 2-Methylnaphthalene  
 Concen: 43.306 ng  
 RT: 8.98 min Scan# 1130  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

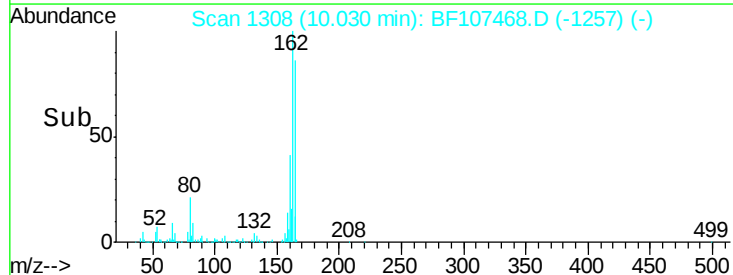
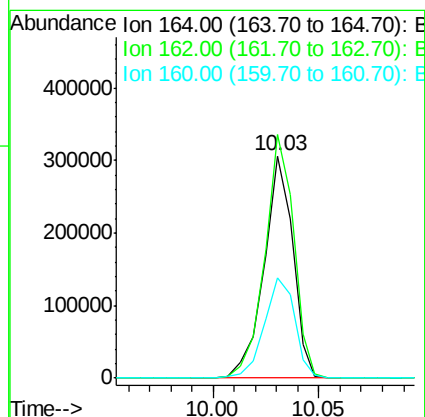
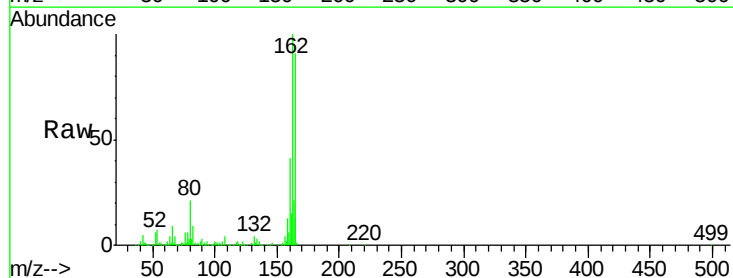
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

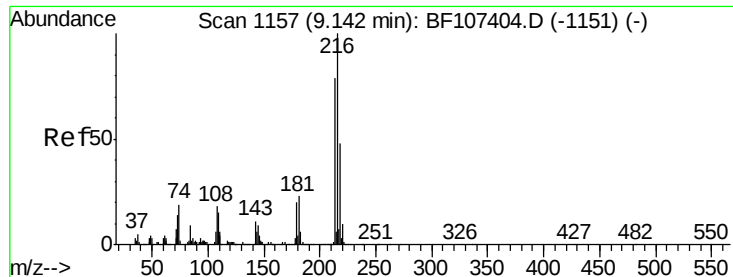
Tgt Ion:142 Resp: 708786  
 Ion Ratio Lower Upper  
 142 100  
 141 92.3 70.8 106.2  
 115 47.5 26.1 39.1#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.03 min Scan# 1308  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:164 Resp: 291238  
 Ion Ratio Lower Upper  
 164 100  
 162 109.7 86.1 129.1  
 160 44.9 38.3 57.5

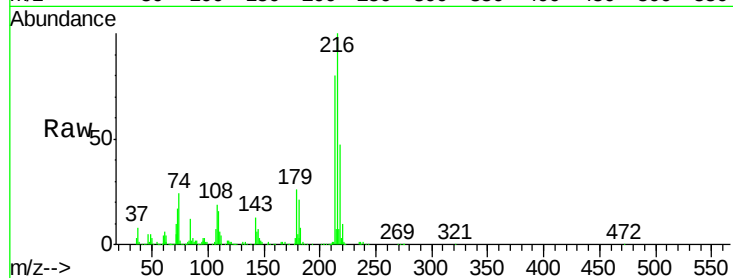




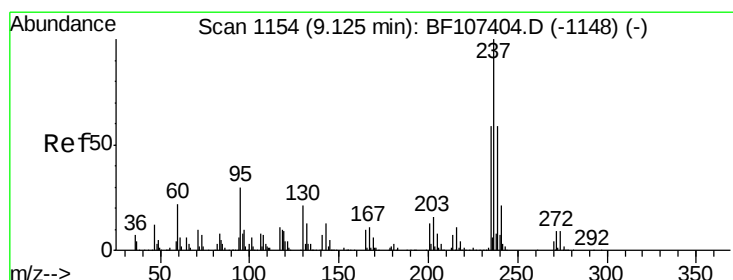
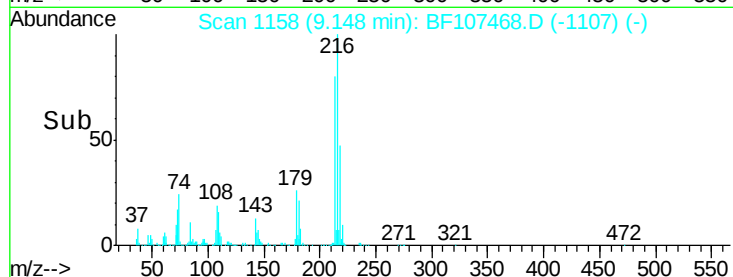
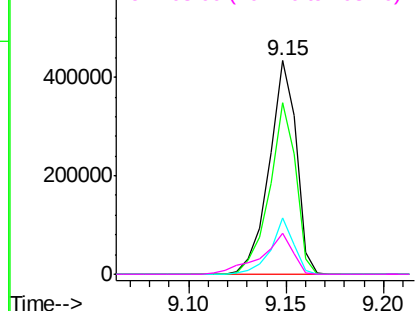
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.733 ng  
 RT: 9.15 min Scan# 1158  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 416307 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.8  | 63.0  | 94.4   |
| 179      | 22.3  | 18.1  | 27.1   |
| 108      | 22.6  | 17.2  | 25.8   |

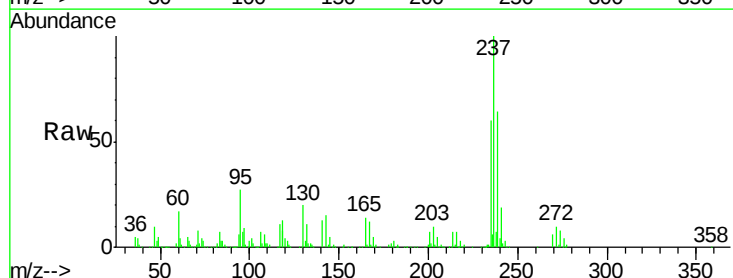


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

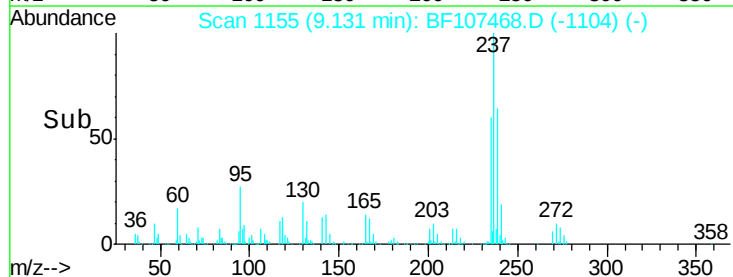
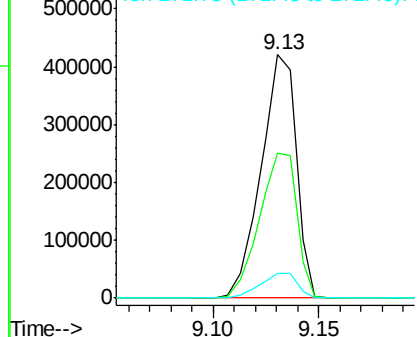


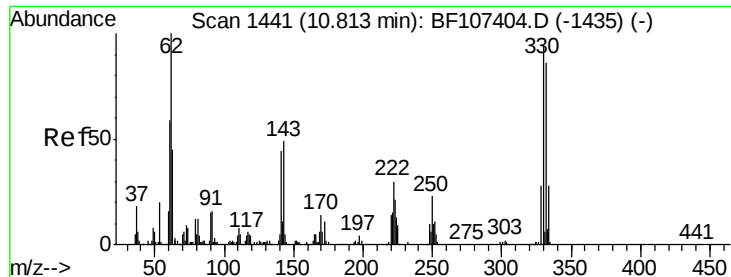
#40  
 Hexachlorocyclopentadiene  
 Concen: 82.509 ng  
 RT: 9.13 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 488403 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 59.7  | 44.8  | 84.8   |
| 272      | 10.4  | 0.0   | 33.3   |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

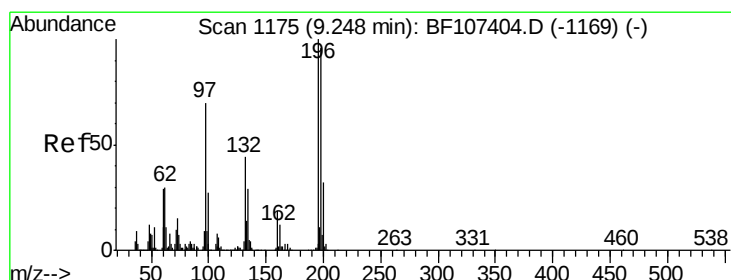
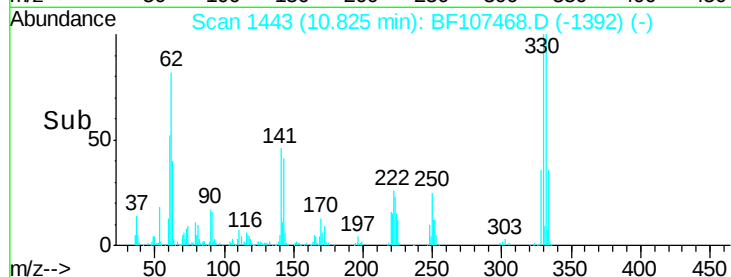
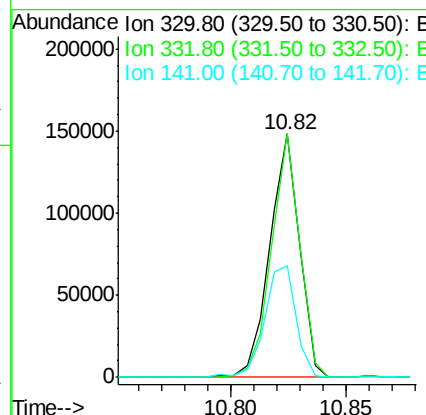
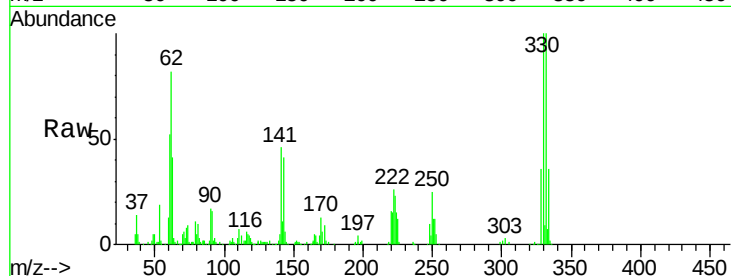




#41  
 2,4,6-Tribromophenol  
 Concen: 51.843 ng  
 RT: 10.82 min Scan# 1443  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

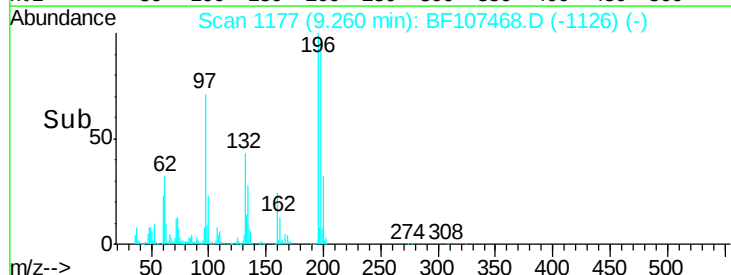
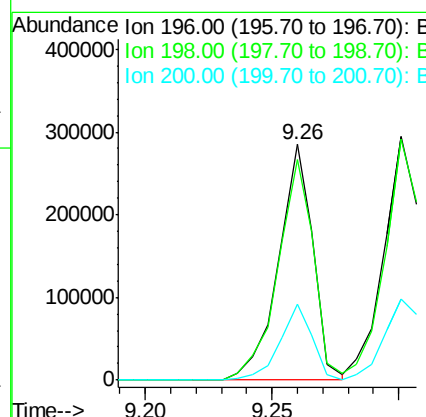
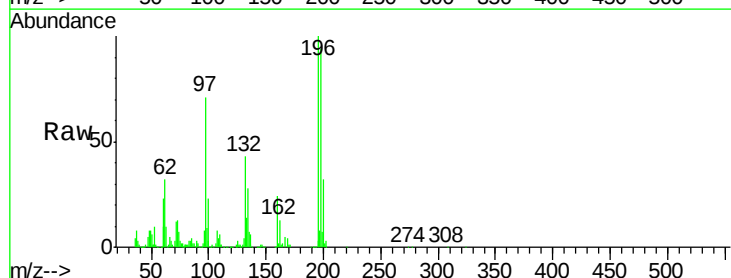
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

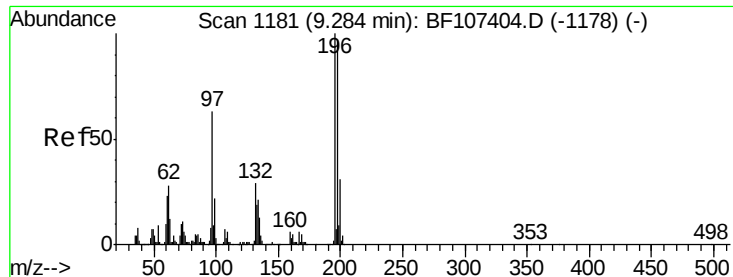
Tgt Ion: 330 Resp: 132660  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.0 115.6  
 141 48.7 29.9 44.9#



#42  
 2,4,6-Trichlorophenol  
 Concen: 38.257 ng  
 RT: 9.26 min Scan# 1177  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion: 196 Resp: 270649  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 75.7 113.5  
 200 32.1 24.5 36.7

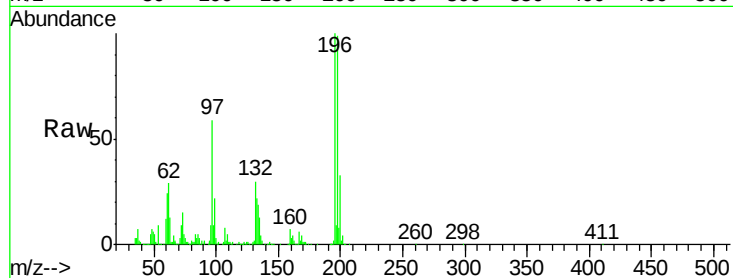




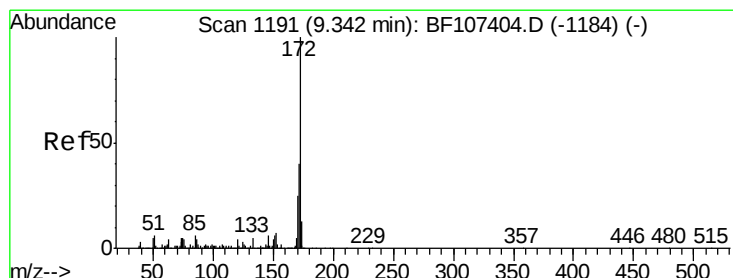
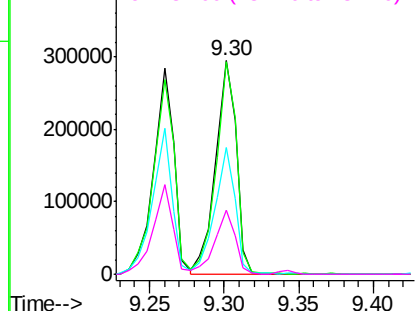
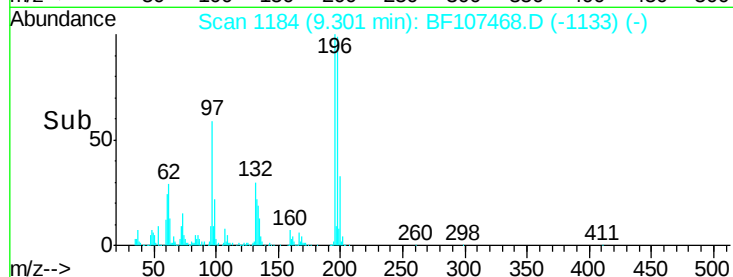
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.384 ng  
 RT: 9.30 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

Tgt Ion:196 Resp: 286850  
 Ion Ratio Lower Upper  
 196 100  
 198 99.3 74.6 112.0  
 97 59.2 42.9 64.3  
 132 30.1 26.3 39.5

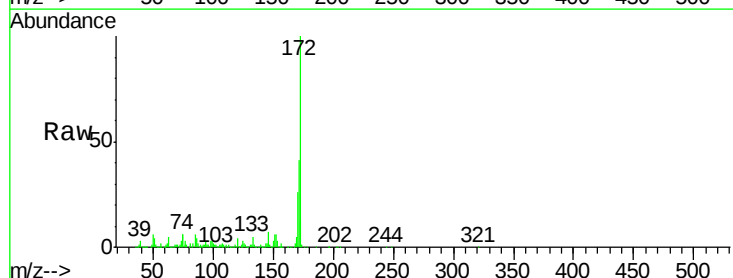


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

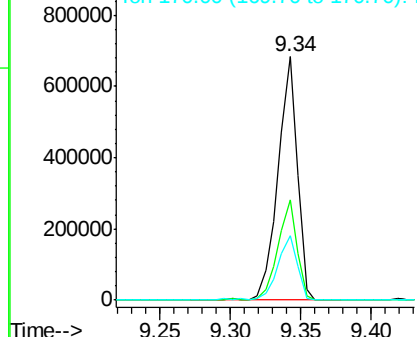
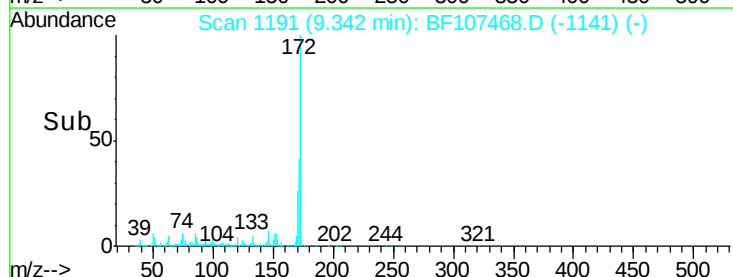


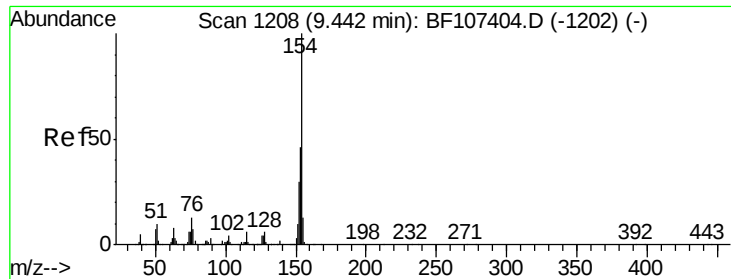
#44  
 2-Fluorobiphenyl  
 Concen: 30.666 ng  
 RT: 9.34 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:172 Resp: 656686  
 Ion Ratio Lower Upper  
 172 100  
 171 41.0 29.7 44.5  
 170 26.3 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

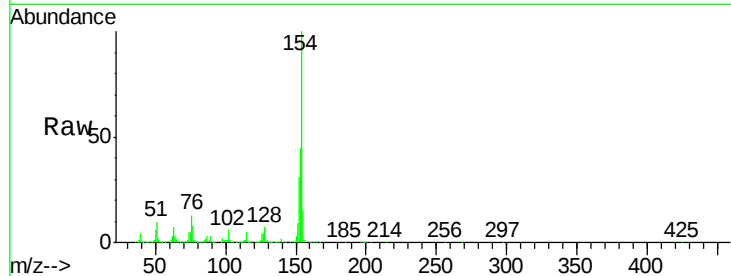




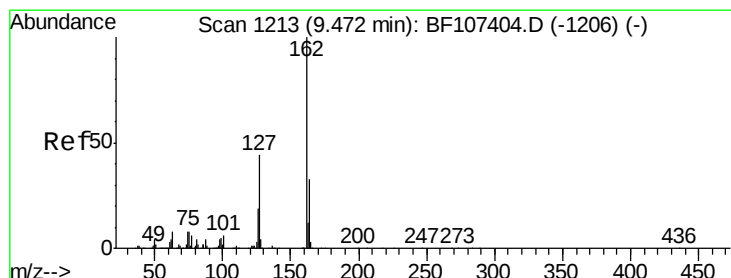
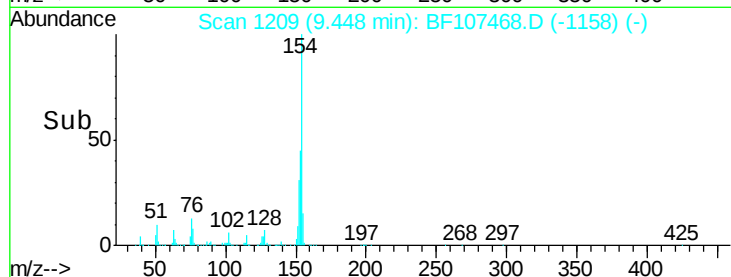
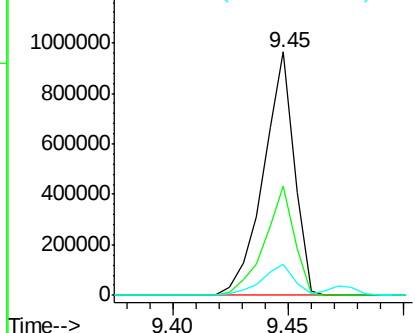
#45  
 1,1'-Biphenyl  
 Concen: 35.488 ng  
 RT: 9.45 min Scan# 1209  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 44.7  | 21.3  | 61.3  |
| 76      | 12.9  | 0.0   | 34.0  |

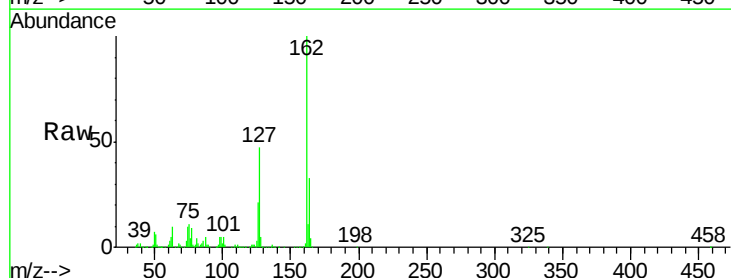


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

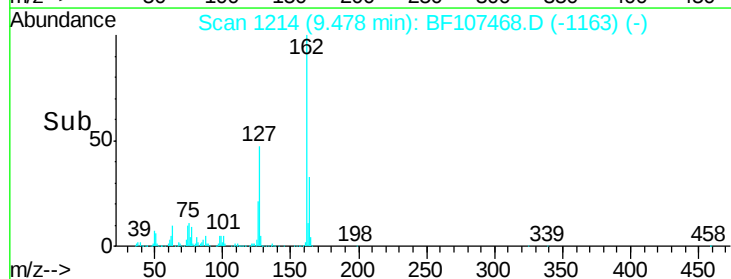
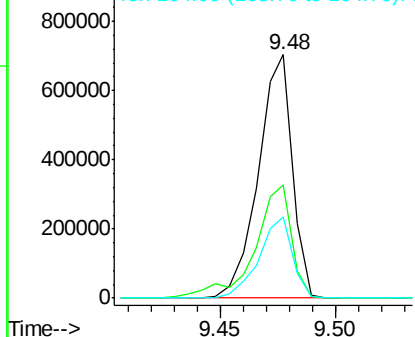


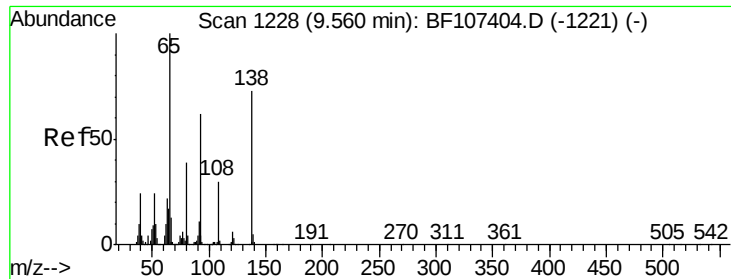
#46  
 2-Chloronaphthalene  
 Concen: 36.207 ng  
 RT: 9.48 min Scan# 1214  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 46.6  | 33.9  | 50.9  |
| 164     | 33.1  | 26.5  | 39.7  |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.512 ng

RT: 9.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

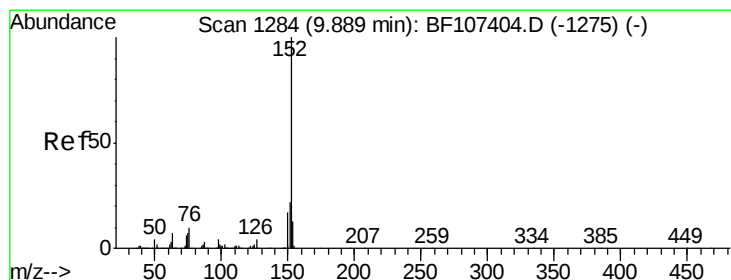
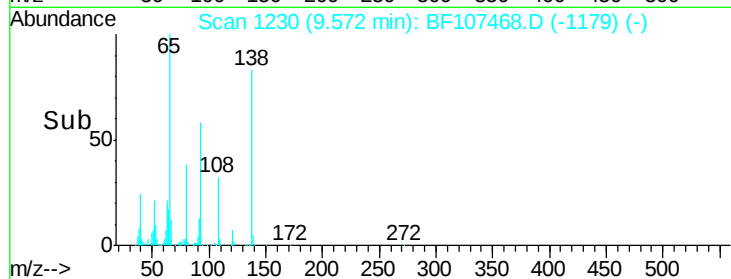
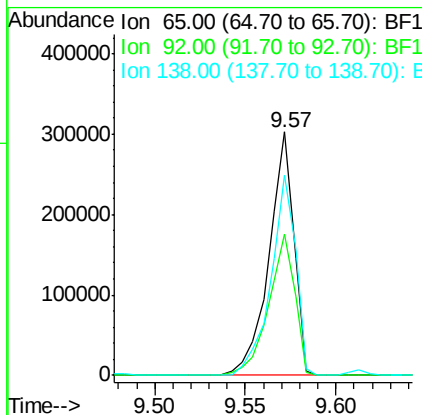
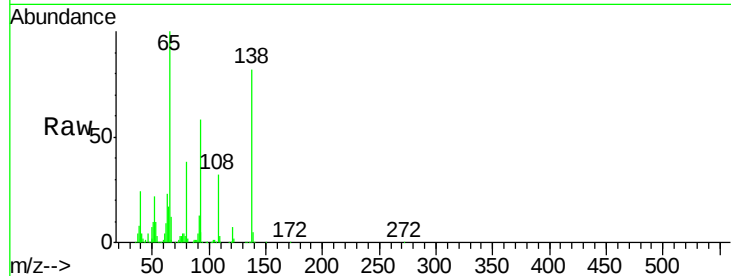
Tgt Ion: 65 Resp: 289169

Ion Ratio Lower Upper

65 100

92 57.8 55.8 83.6

138 82.4 91.2 136.8#



#48

Acenaphthylene

Concen: 39.498 ng

RT: 9.90 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

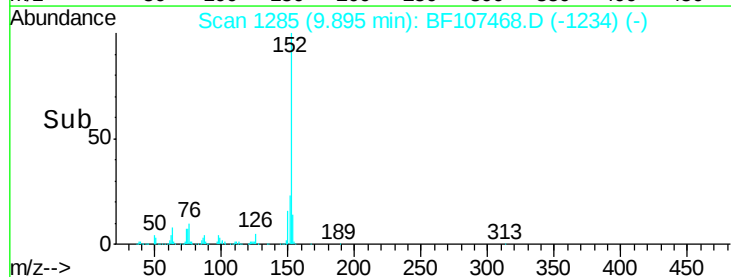
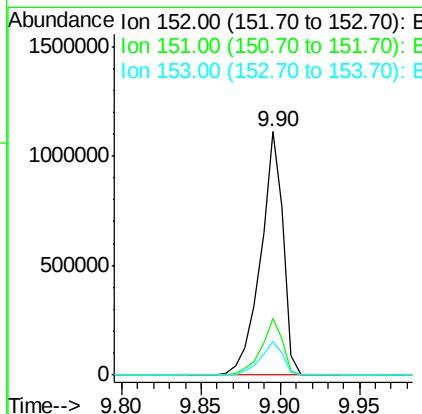
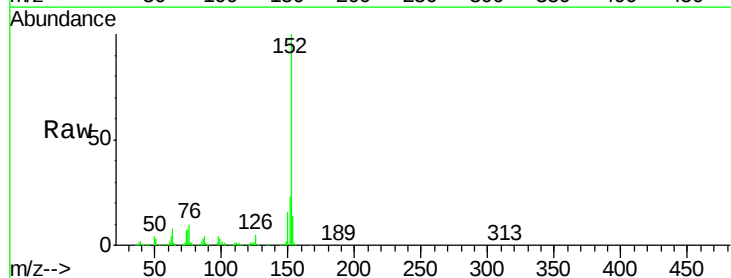
Tgt Ion: 152 Resp: 1096242

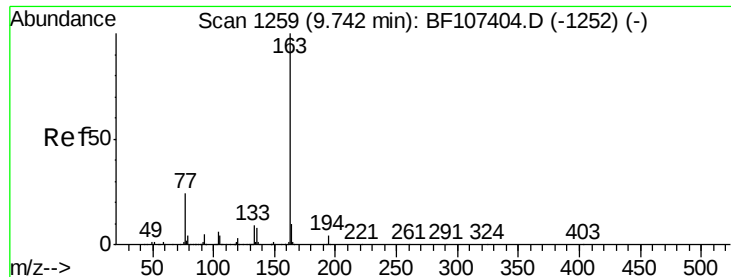
Ion Ratio Lower Upper

152 100

151 23.2 16.3 24.5

153 14.0 10.7 16.1

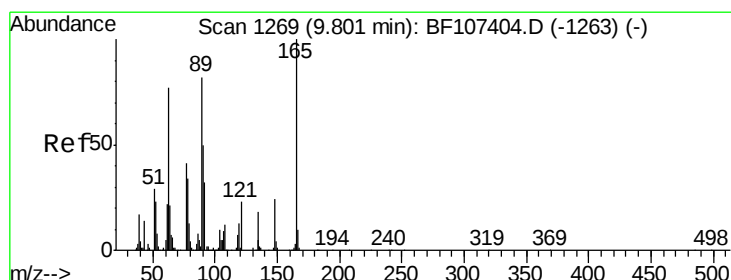
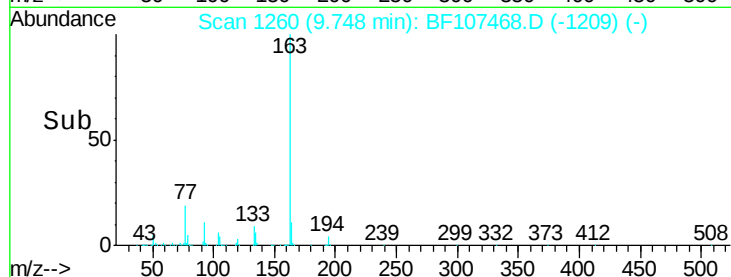
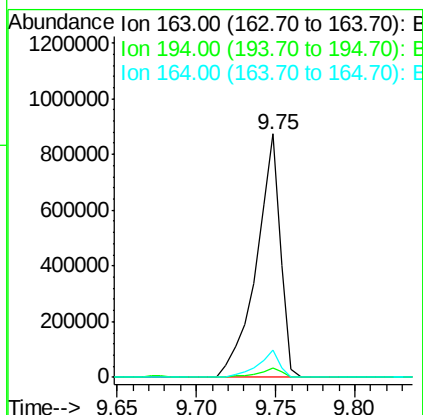
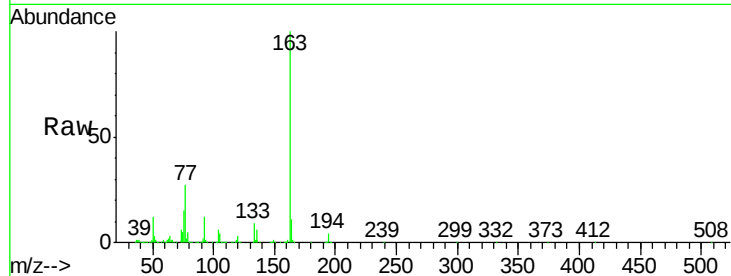




#49  
Dimethylphthalate  
Concen: 39.849 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

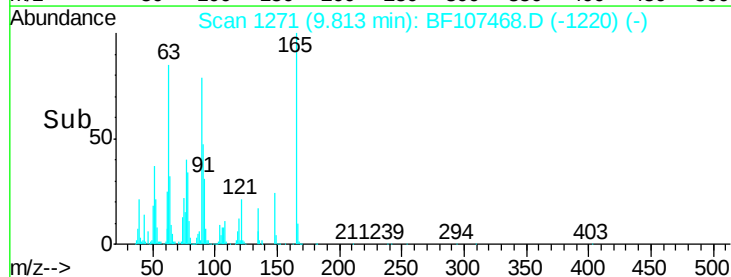
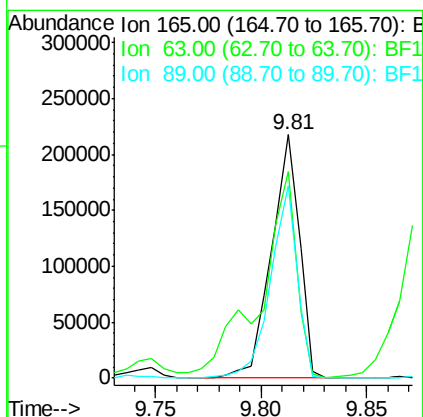
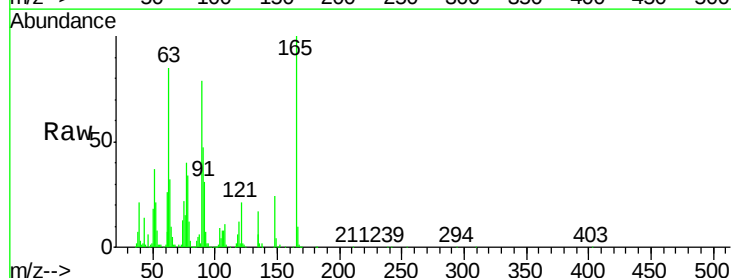
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

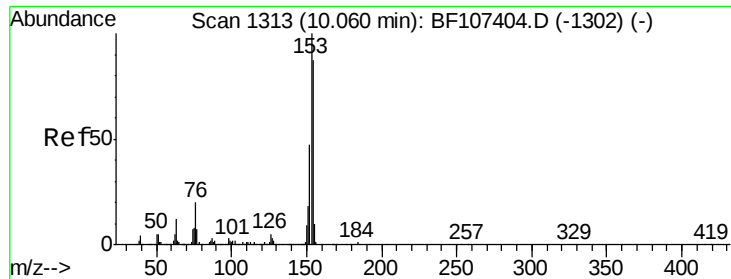
Tgt Ion:163 Resp: 922094  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 11.4 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 45.577 ng  
RT: 9.81 min Scan# 1271  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:165 Resp: 201251  
Ion Ratio Lower Upper  
165 100  
63 84.7 44.7 67.1#  
89 79.2 44.0 66.0#





#51

Acenaphthene

Concen: 36.422 ng

RT: 10.07 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

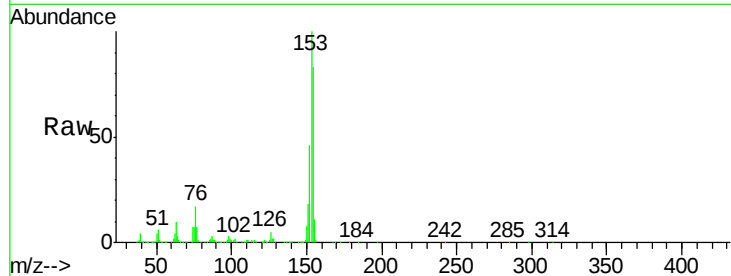
Tgt Ion:154 Resp: 670129

Ion Ratio Lower Upper

154 100

153 120.5 91.2 136.8

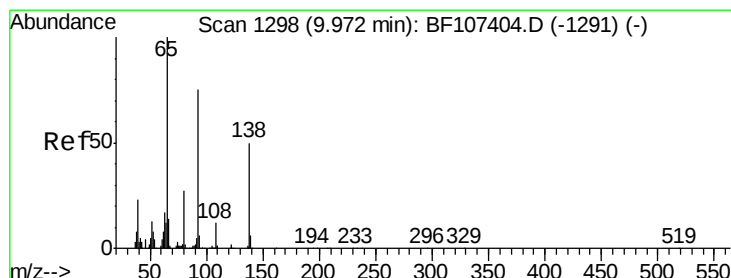
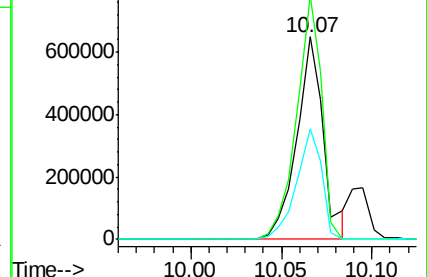
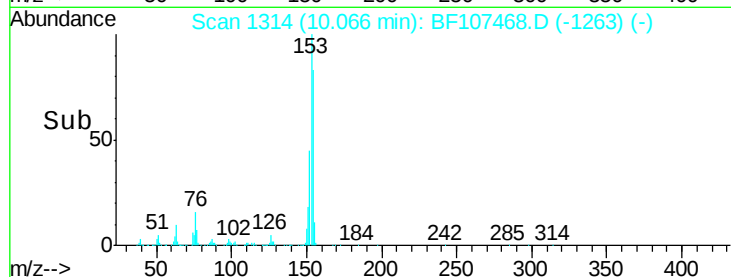
152 54.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 23.245 ng

RT: 9.98 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

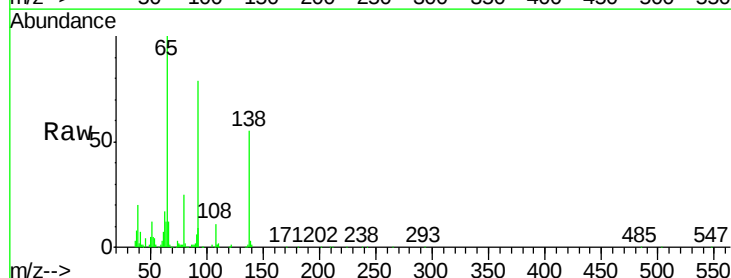
Tgt Ion:138 Resp: 107809

Ion Ratio Lower Upper

138 100

108 19.2 9.4 14.0#

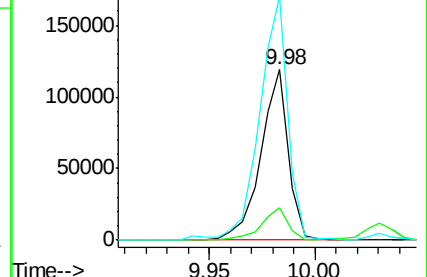
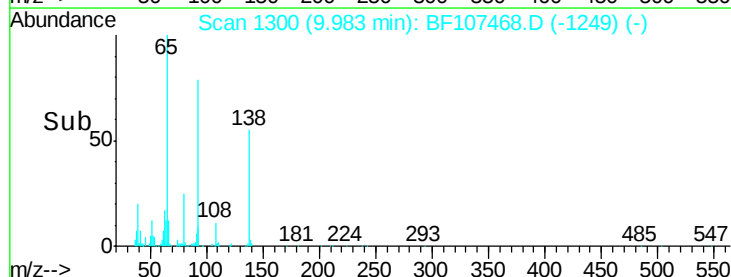
92 142.7 89.4 134.2#

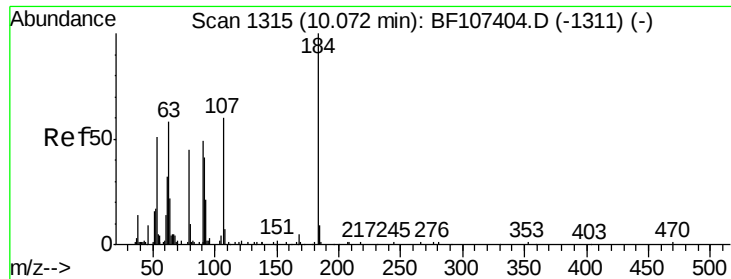


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

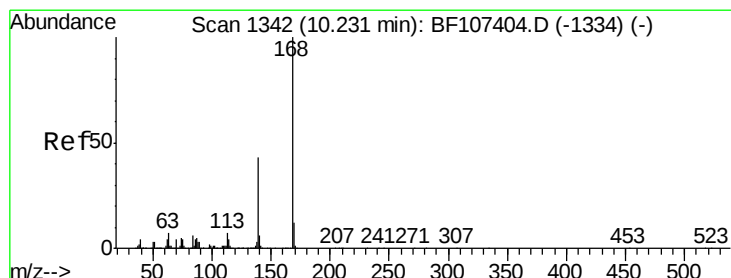
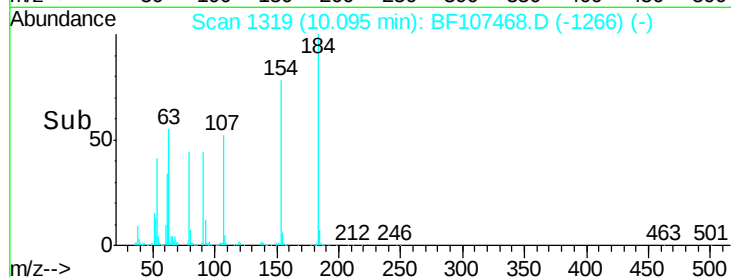
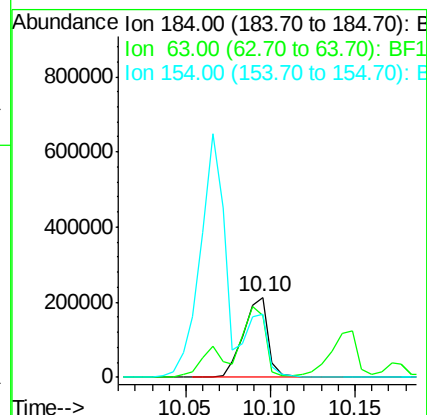
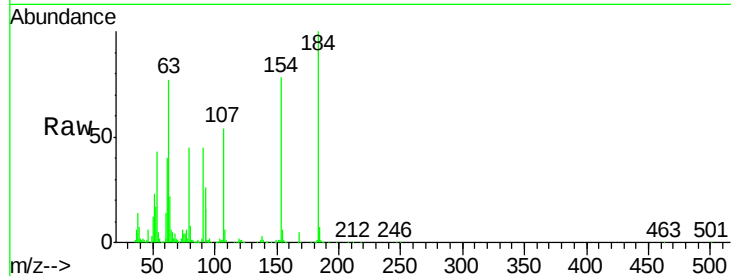




#53  
2,4-Dinitrophenol  
Concen: 92.827 ng  
RT: 10.10 min Scan# 1319  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

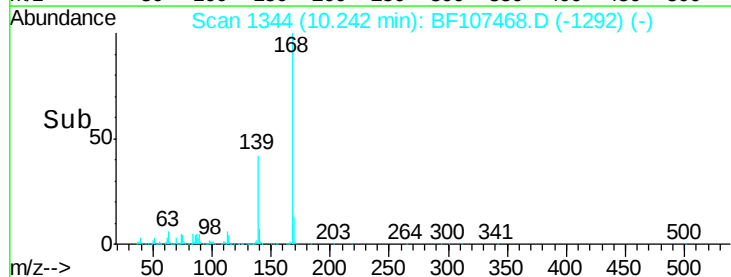
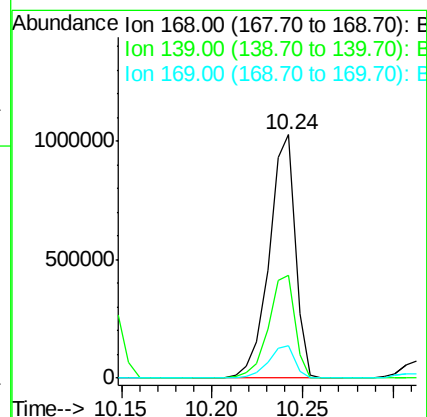
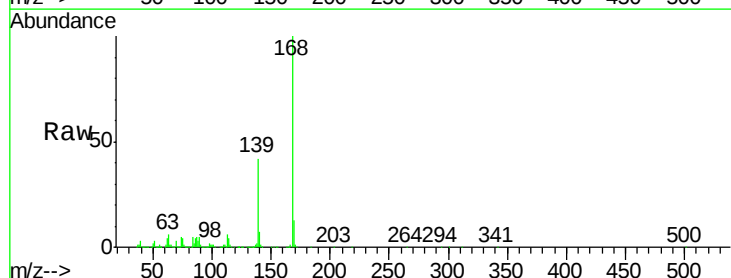
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

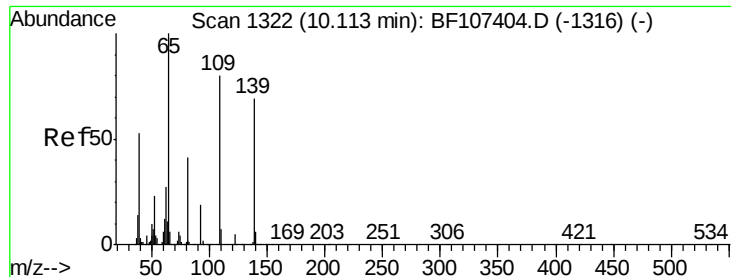
Tgt Ion:184 Resp: 218562  
Ion Ratio Lower Upper  
184 100  
63 76.5 54.2 81.2  
154 78.1 184.0 276.0#



#54  
Dibenzofuran  
Concen: 36.218 ng  
RT: 10.24 min Scan# 1344  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:168 Resp: 1029753  
Ion Ratio Lower Upper  
168 100  
139 42.0 30.1 45.1  
169 13.1 10.9 16.3

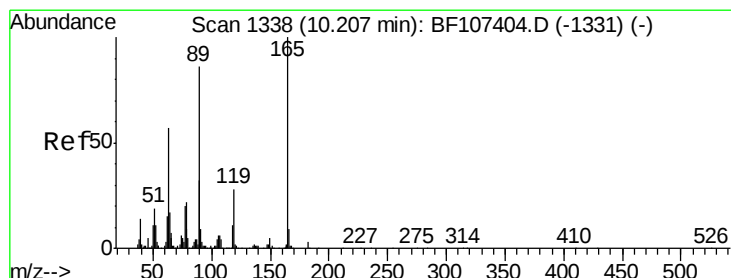
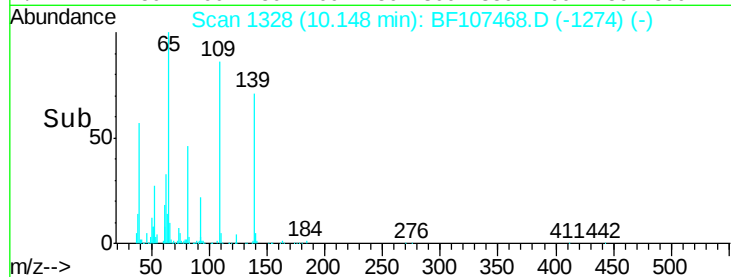
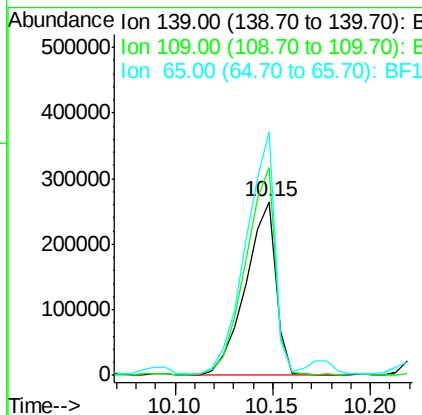
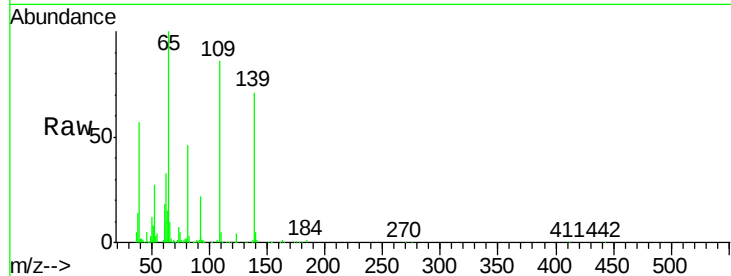




#55  
4-Nitrophenol  
Concen: 75.963 ng  
RT: 10.15 min Scan# 1328  
Delta R.T. 0.02 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

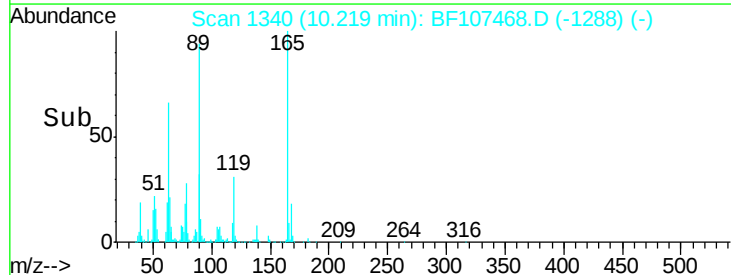
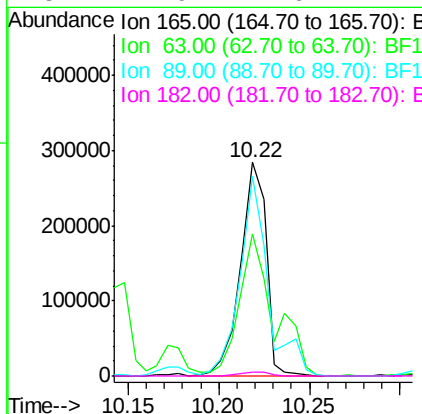
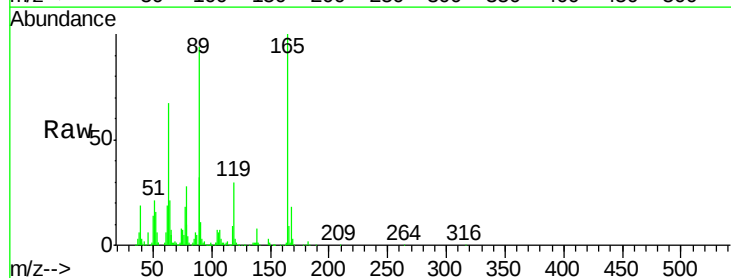
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

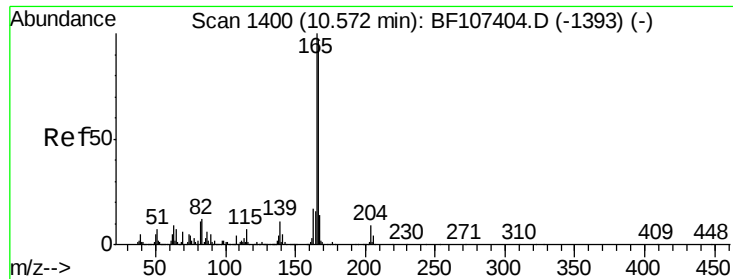
Tgt Ion:139 Resp: 285088  
Ion Ratio Lower Upper  
139 100  
109 119.8 48.4 88.4#  
65 140.1 72.6 112.6#



#56  
2,4-Dinitrotoluene  
Concen: 48.621 ng  
RT: 10.22 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:165 Resp: 279836  
Ion Ratio Lower Upper  
165 100  
63 66.5 36.4 54.6#  
89 93.6 57.8 86.6#  
182 1.9 1.6 2.4

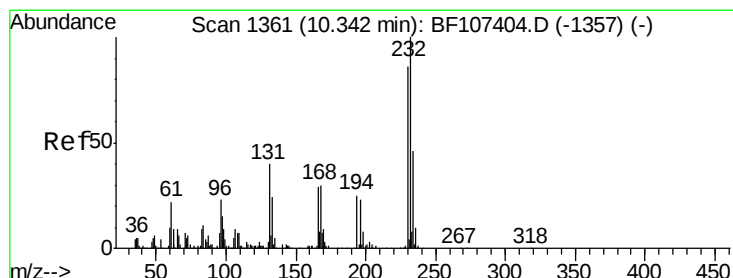
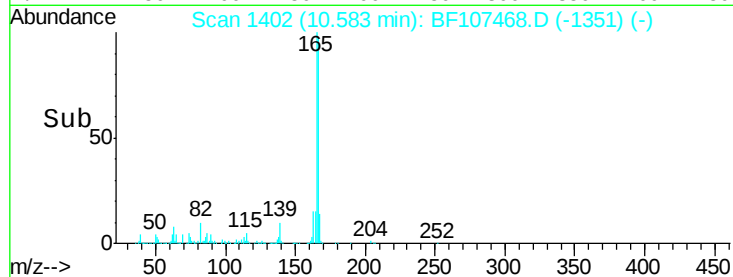
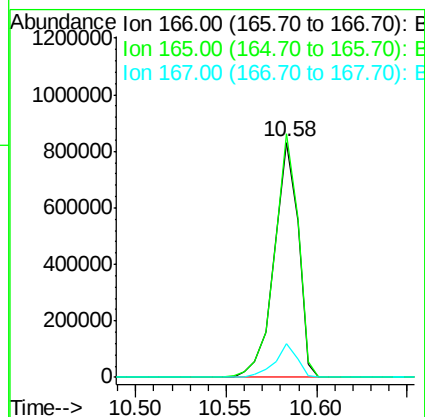
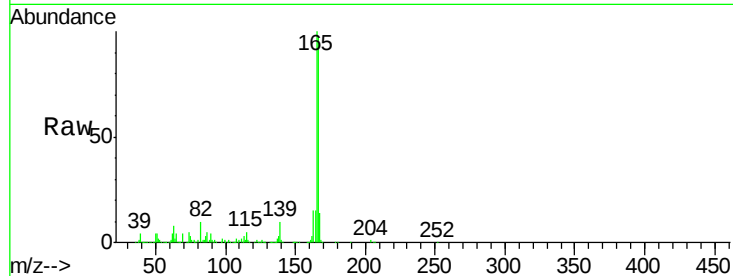




#57  
 Fluorene  
 Concen: 40.730 ng  
 RT: 10.58 min Scan# 1402  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

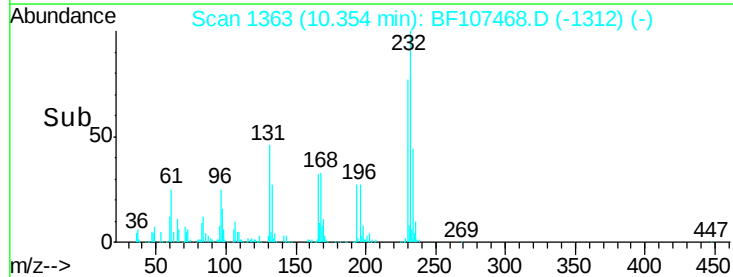
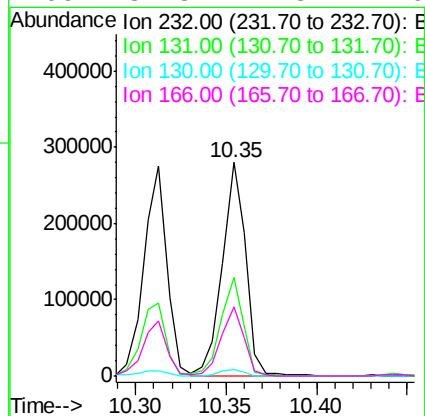
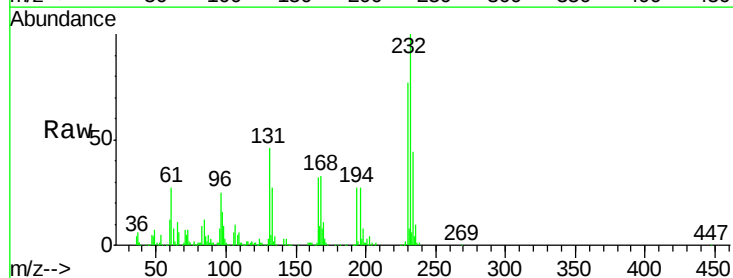
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

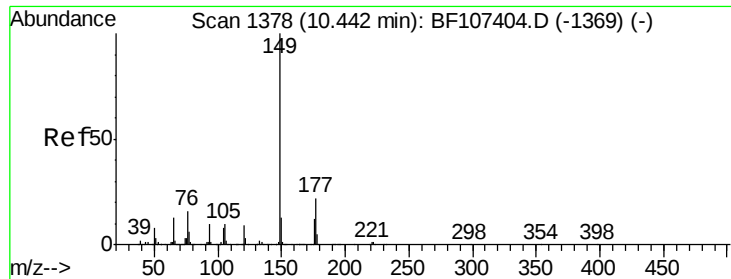
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 103.5 | 79.8  | 119.8 |
| 167     | 14.1  | 10.6  | 16.0  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.348 ng  
 RT: 10.35 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.2  | 43.8  | 65.8  |
| 130     | 3.3   | 2.1   | 3.1#  |
| 166     | 31.8  | 27.8  | 41.6  |





#59

Diethylphthalate

Concen: 41.104 ng

RT: 10.45 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

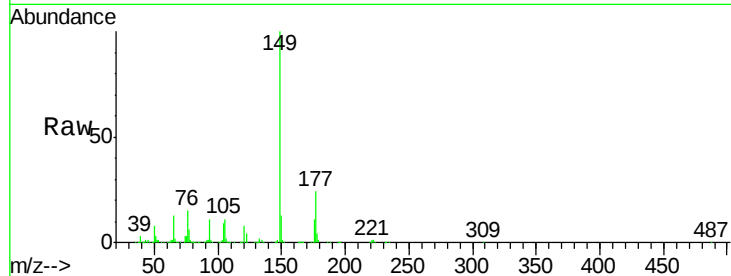
Tgt Ion:149 Resp: 924044

Ion Ratio Lower Upper

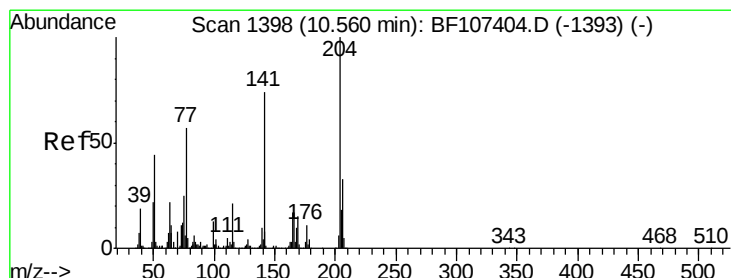
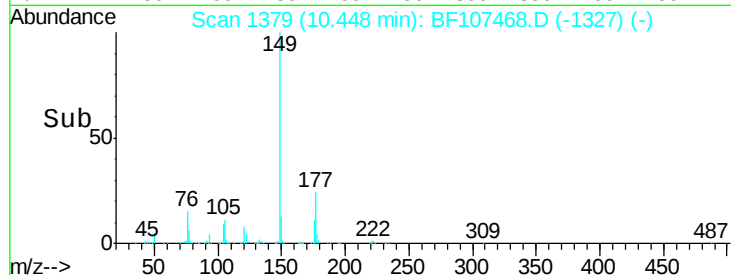
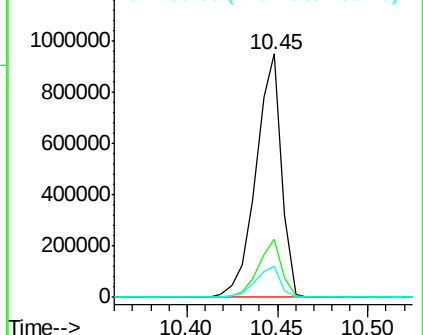
149 100

177 23.8 16.1 24.1

150 12.7 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.136 ng

RT: 10.57 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

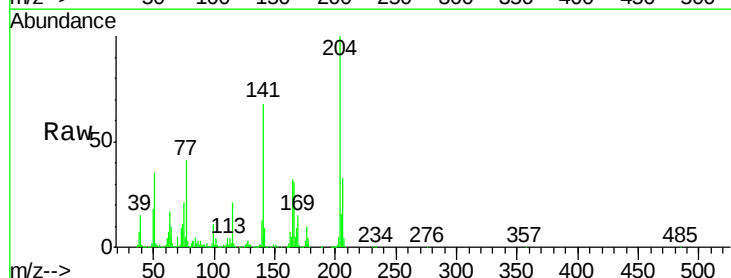
Tgt Ion:204 Resp: 427750

Ion Ratio Lower Upper

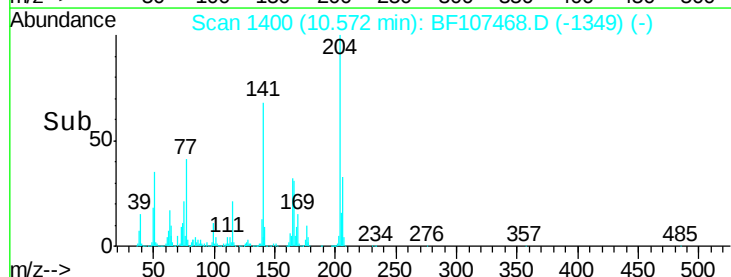
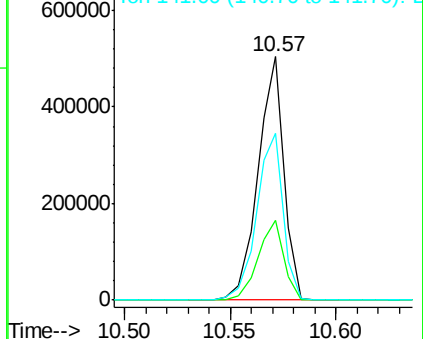
204 100

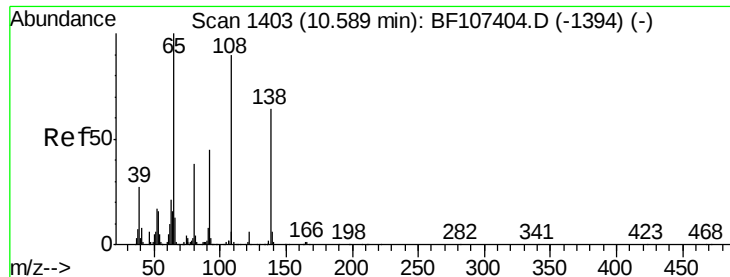
206 32.9 26.5 39.7

141 68.5 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

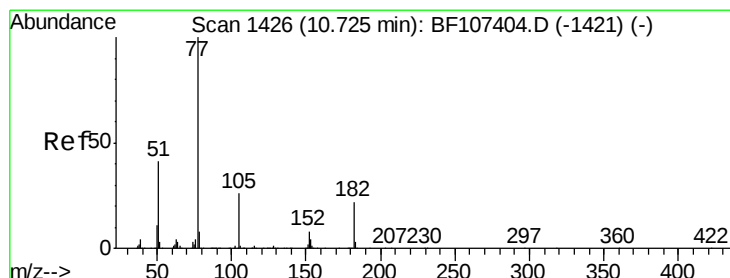
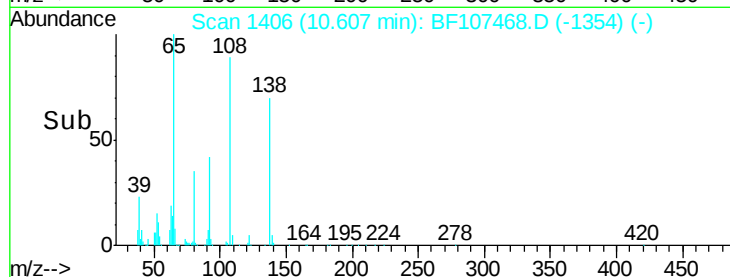
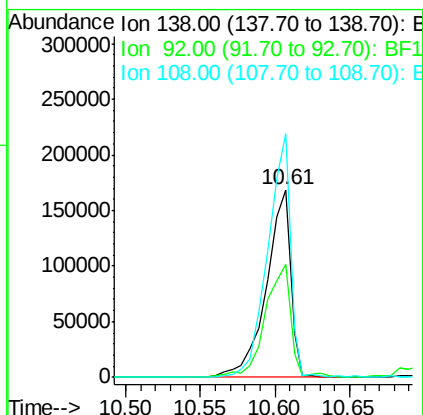
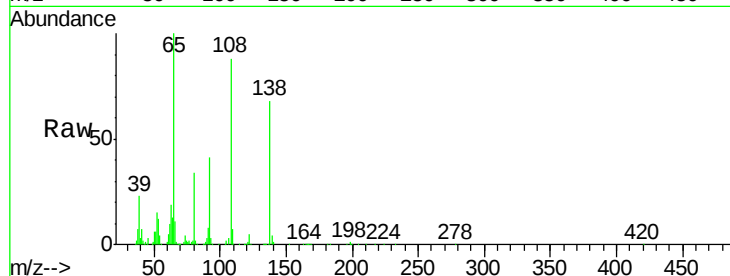




#61  
4-Nitroaniline  
Concen: 42.908 ng  
RT: 10.61 min Scan# 1406  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

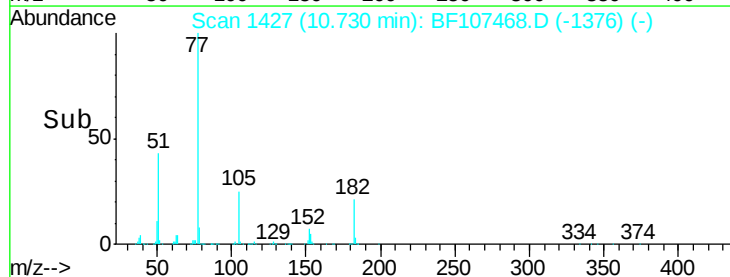
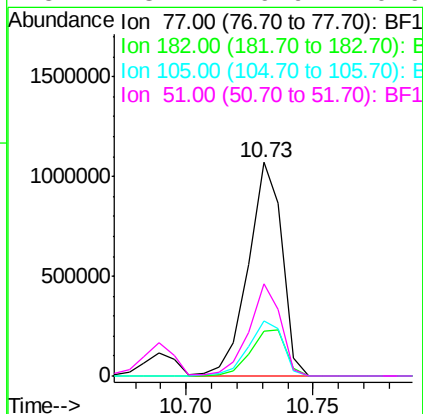
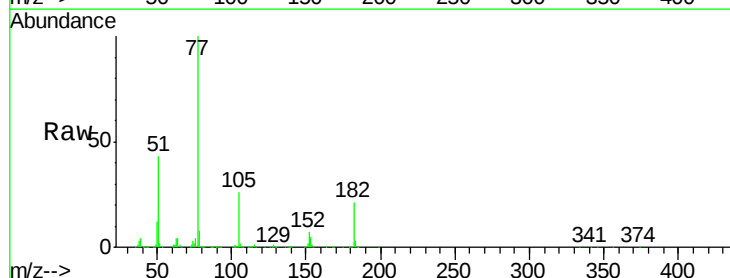
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

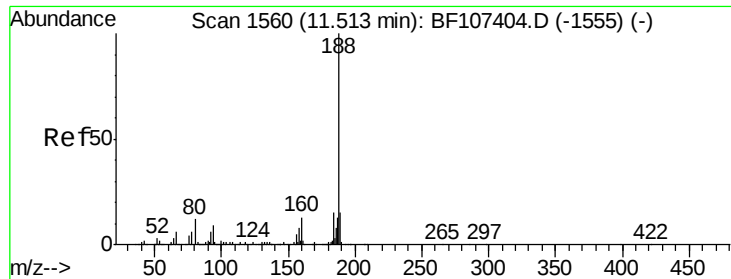
Tgt Ion: 138 Resp: 189389  
Ion Ratio Lower Upper  
138 100  
92 60.5 30.2 70.2  
108 129.7 52.5 92.5#



#62  
Azobenzene  
Concen: 37.521 ng  
RT: 10.73 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion: 77 Resp: 990536  
Ion Ratio Lower Upper  
77 100  
182 21.3 1.7 41.7  
105 25.9 3.0 43.0  
51 43.1 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

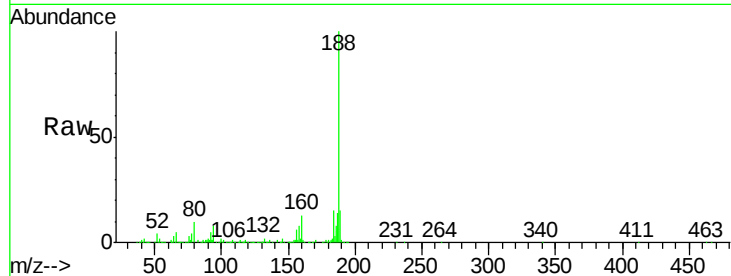
Tgt Ion:188 Resp: 622222

Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

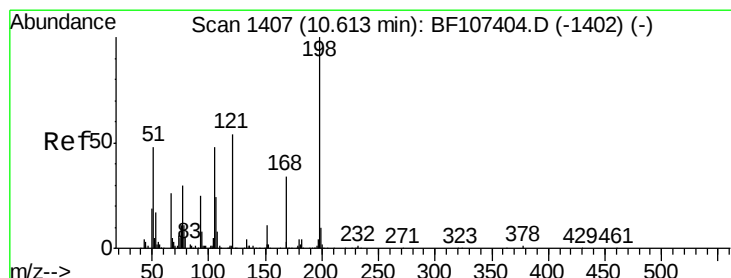
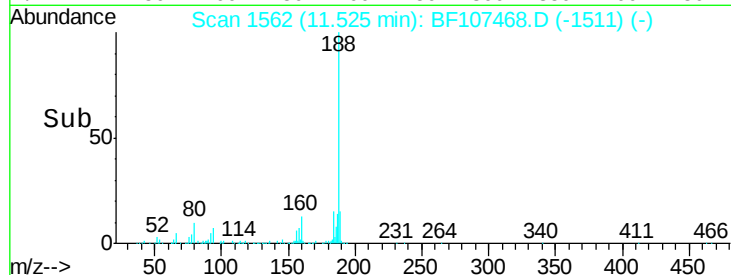
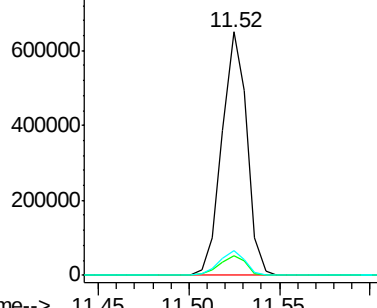
80 10.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 49.802 ng

RT: 10.63 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

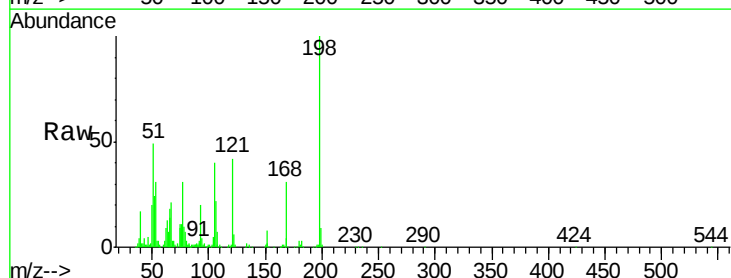
Tgt Ion:198 Resp: 167174

Ion Ratio Lower Upper

198 100

51 48.6 37.7 77.7

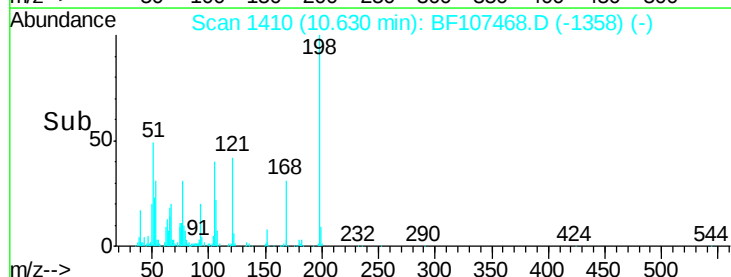
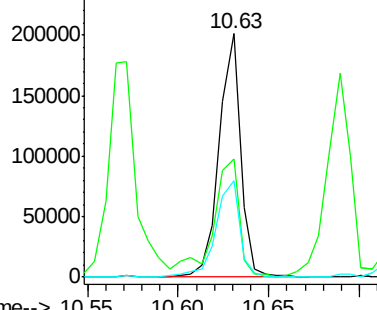
105 39.8 36.3 76.3

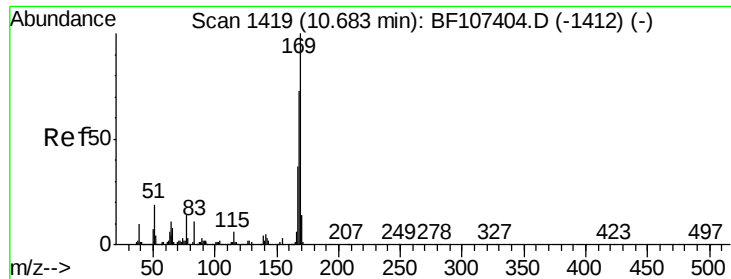


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

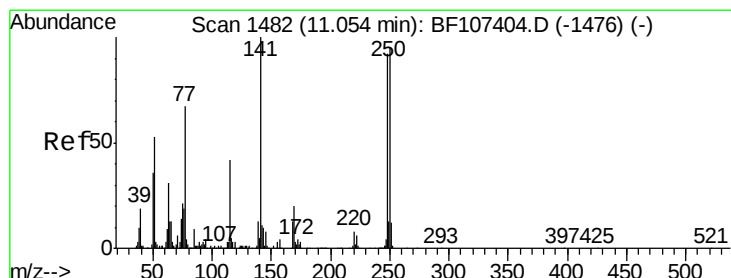
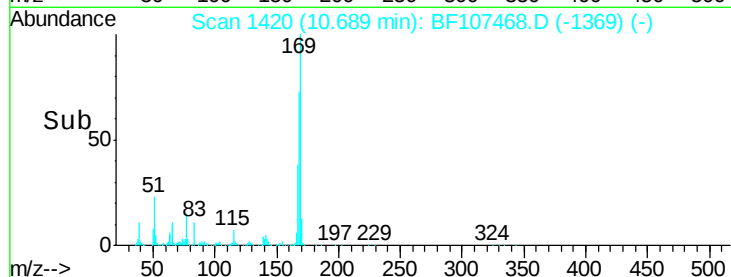
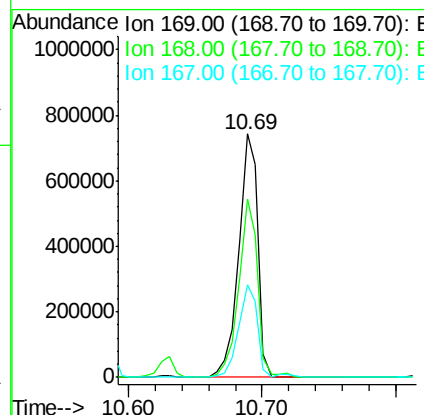
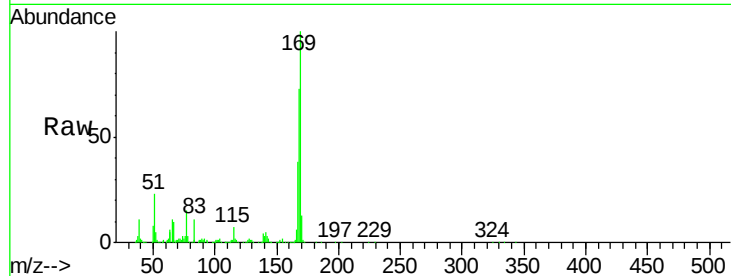




#65  
n-Nitrosodiphenylamine  
Concen: 37.936 ng  
RT: 10.69 min Scan# 1420  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

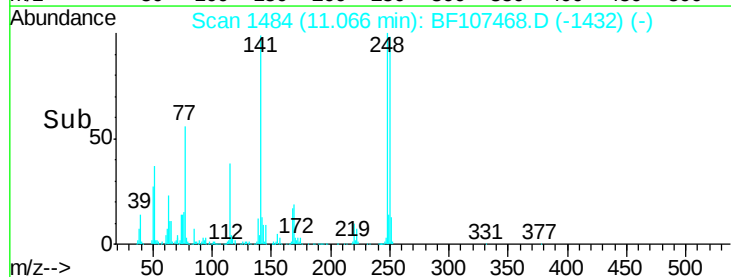
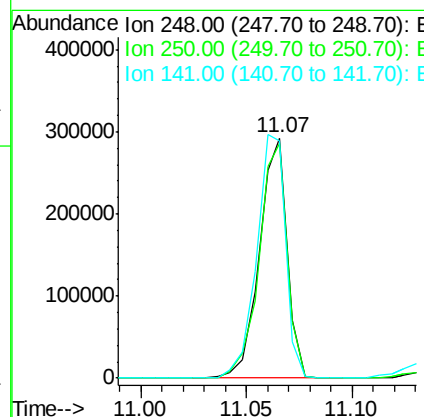
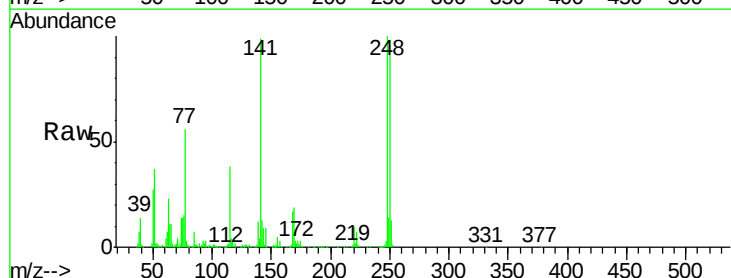
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

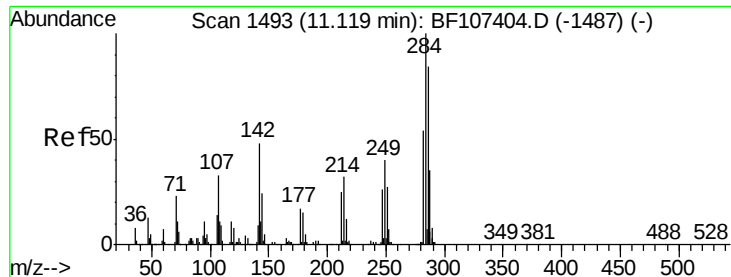
Tgt Ion:169 Resp: 745509  
Ion Ratio Lower Upper  
169 100  
168 73.1 54.4 81.6  
167 37.8 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 37.426 ng  
RT: 11.07 min Scan# 1484  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:248 Resp: 266431  
Ion Ratio Lower Upper  
248 100  
250 97.5 76.9 115.3  
141 98.6 74.4 111.6

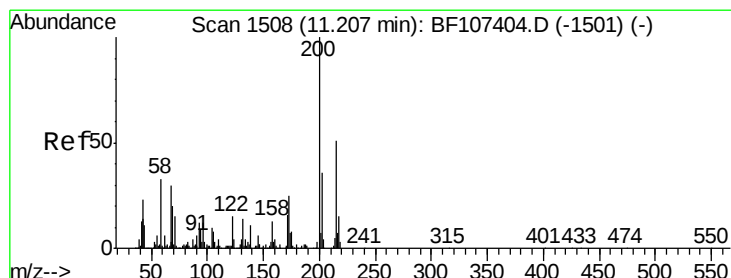
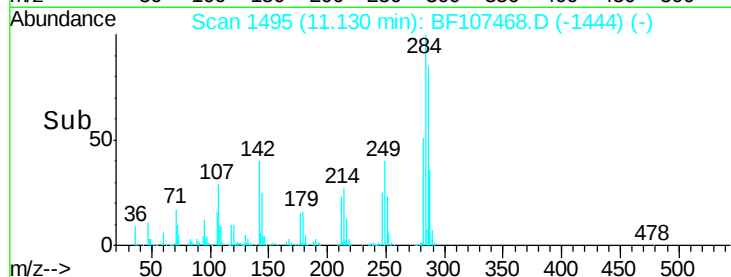
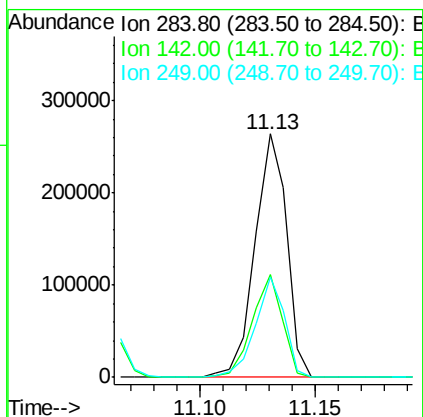
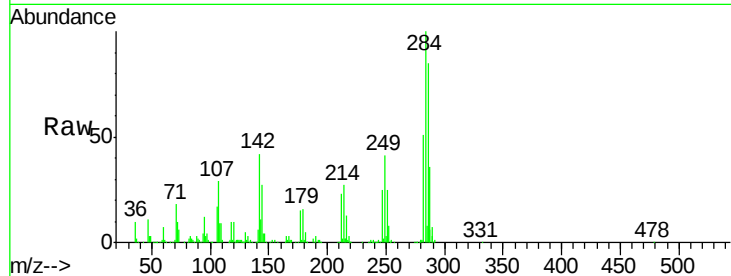




#67  
Hexachlorobenzene  
Concen: 38.399 ng  
RT: 11.13 min Scan# 1495  
Delta R.T. 0.00 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

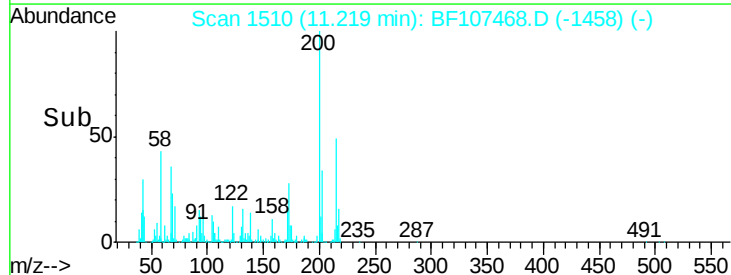
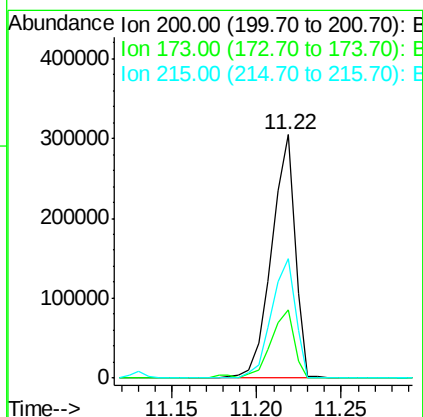
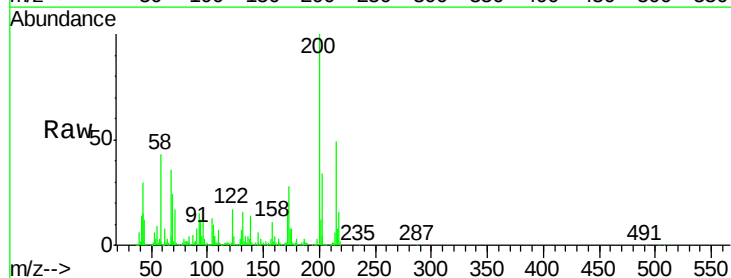
Instrument :  
BNA\_F  
ClientSampleId :  
PB111134BS

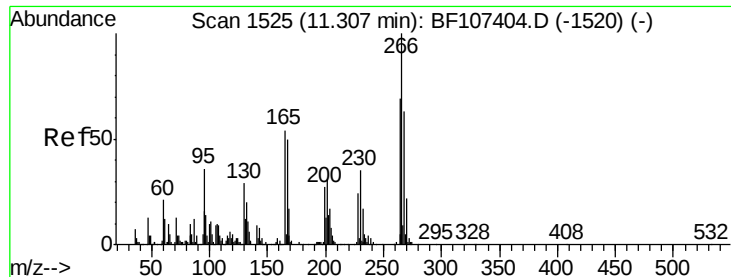
Tgt Ion:284 Resp: 253036  
Ion Ratio Lower Upper  
284 100  
142 42.2 34.6 52.0  
249 41.3 24.8 37.2#



#68  
Atrazine  
Concen: 39.446 ng  
RT: 11.22 min Scan# 1510  
Delta R.T. 0.01 min  
Lab File: BF107468.D  
Acq: 18 Jul 2018 11:07

Tgt Ion:200 Resp: 292935  
Ion Ratio Lower Upper  
200 100  
173 28.0 8.6 48.6  
215 48.8 25.1 65.1

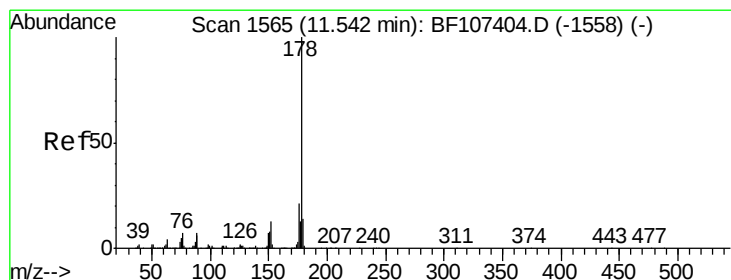
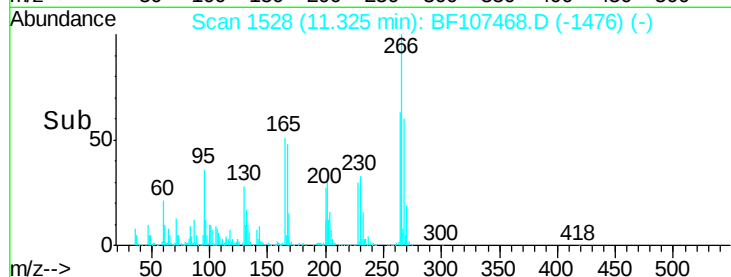
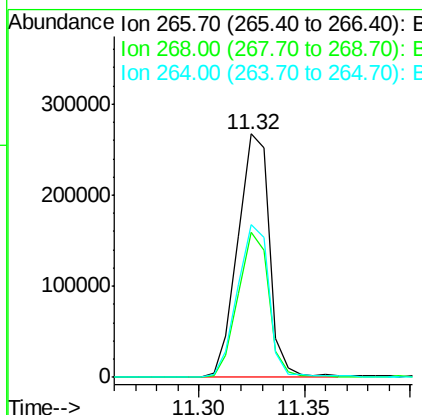
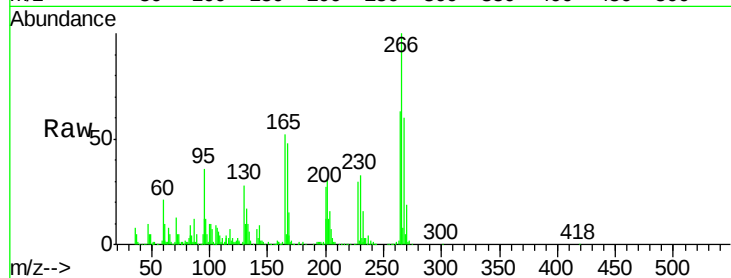




#69  
 Pentachlorophenol  
 Concen: 57.159 ng  
 RT: 11.32 min Scan# 1528  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

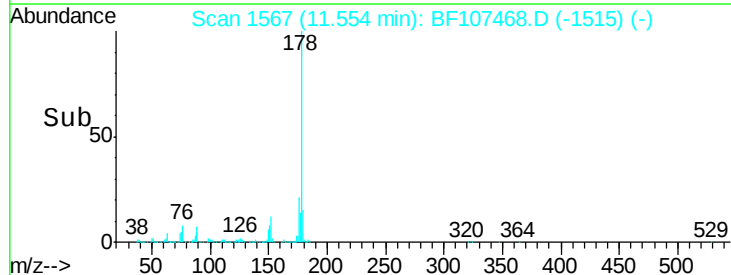
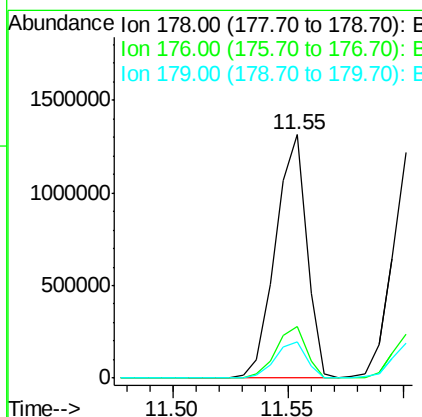
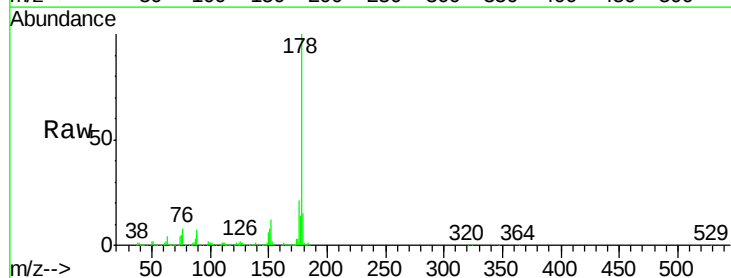
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

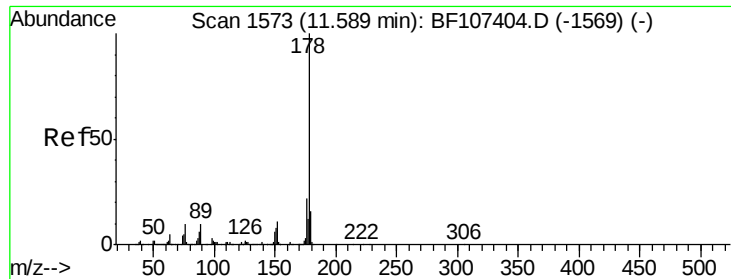
Tgt Ion: 266 Resp: 278346  
 Ion Ratio Lower Upper  
 266 100  
 268 59.7 51.1 76.7  
 264 62.7 49.5 74.3



#70  
 Phenanthrene  
 Concen: 39.723 ng  
 RT: 11.55 min Scan# 1567  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion: 178 Resp: 1231761  
 Ion Ratio Lower Upper  
 178 100  
 176 21.3 15.8 23.8  
 179 15.0 13.0 19.6

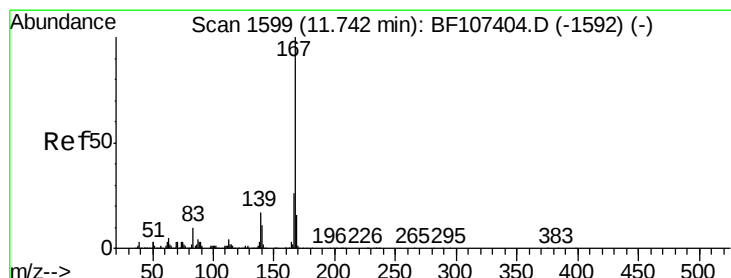
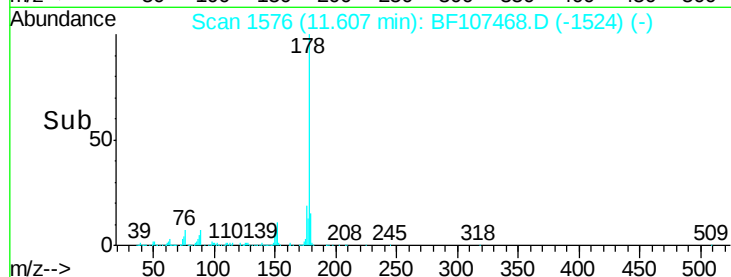
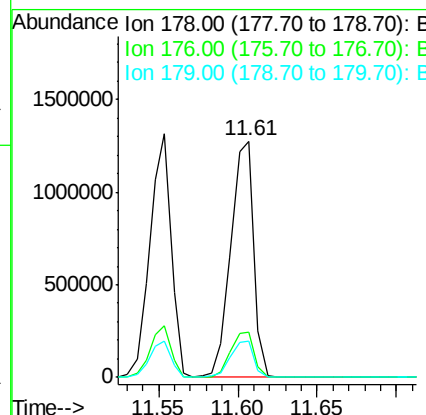
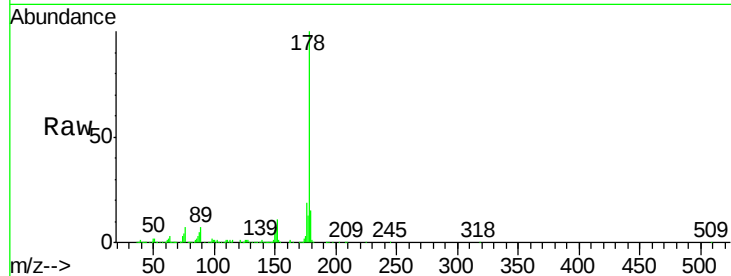




#71  
 Anthracene  
 Concen: 41.447 ng  
 RT: 11.61 min Scan# 1576  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

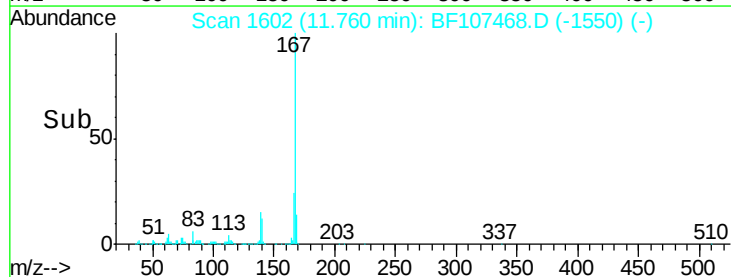
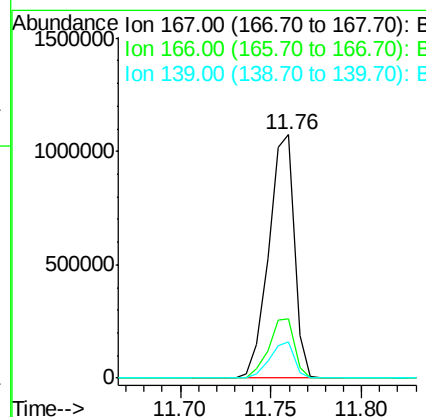
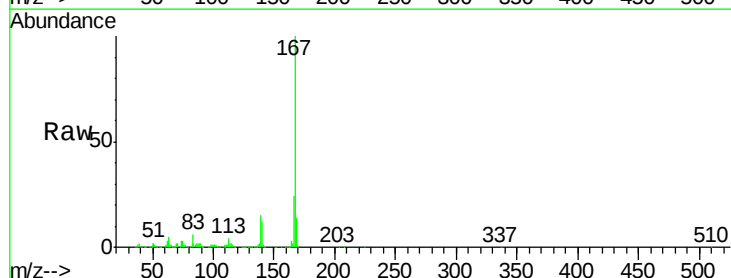
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

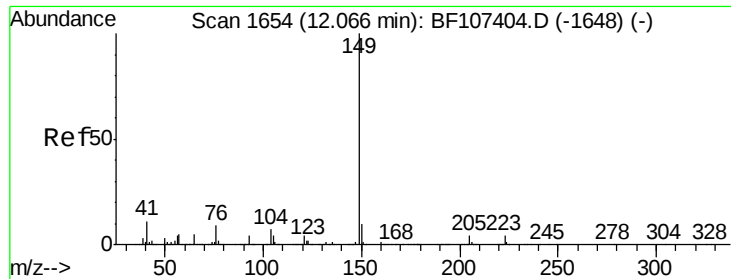
Tgt Ion:178 Resp: 1280106  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.4 23.2  
 179 15.2 12.6 19.0



#72  
 Carbazole  
 Concen: 36.095 ng  
 RT: 11.76 min Scan# 1602  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:167 Resp: 1055427  
 Ion Ratio Lower Upper  
 167 100  
 166 24.3 17.6 26.4  
 139 14.7 10.9 16.3





#73

Di-n-butylphthalate

Concen: 41.744 ng

RT: 12.07 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

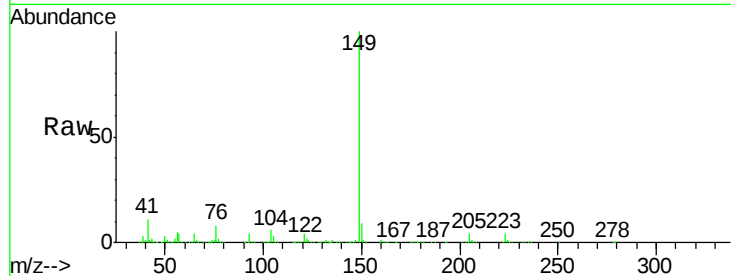
Tgt Ion:149 Resp: 1402755

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

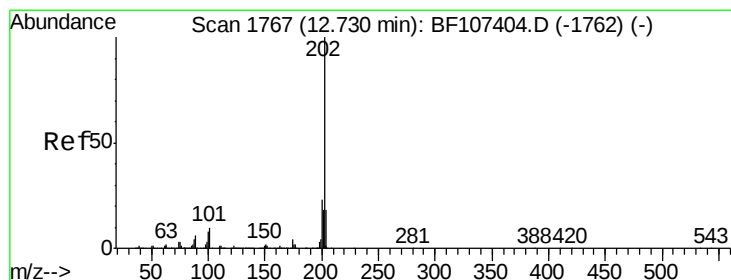
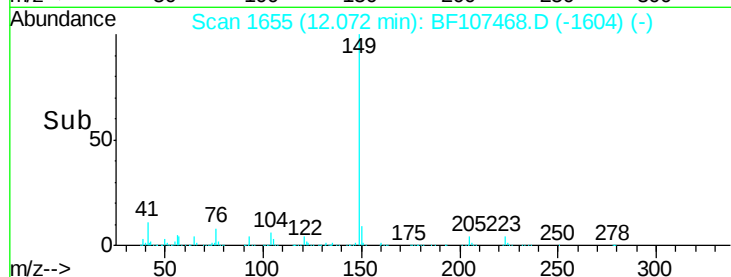
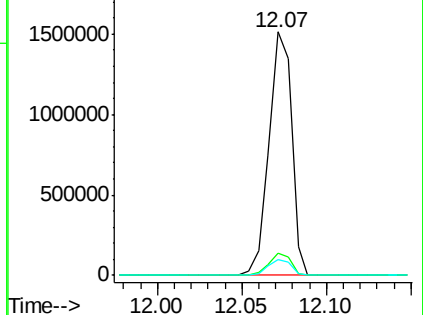
104 6.3 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.499 ng

RT: 12.74 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

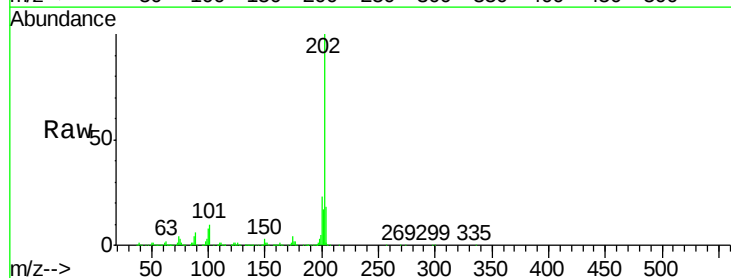
Tgt Ion:202 Resp: 1392111

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

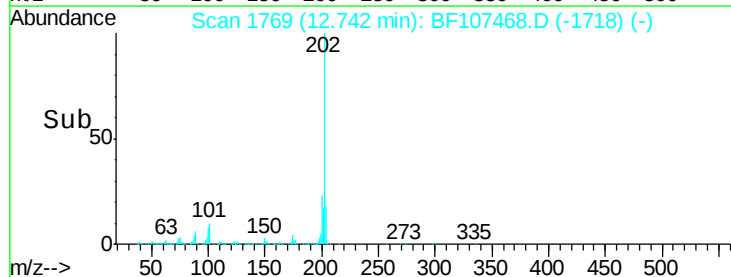
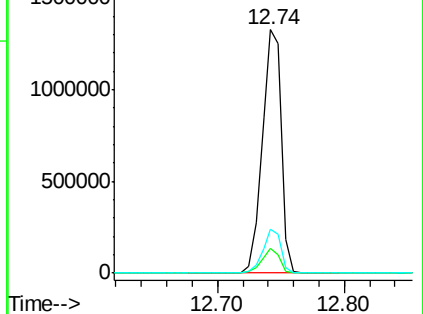
203 18.0 0.0 38.1

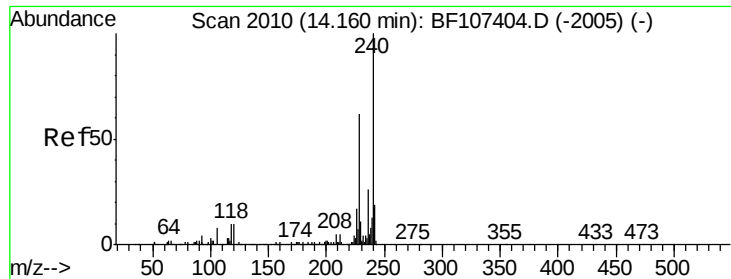


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

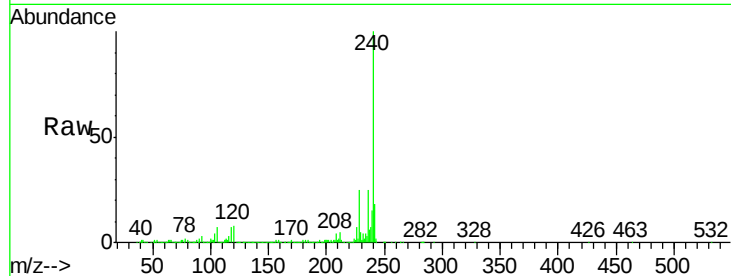
Tgt Ion:240 Resp: 449562

Ion Ratio Lower Upper

240 100

120 7.8 9.5 14.3#

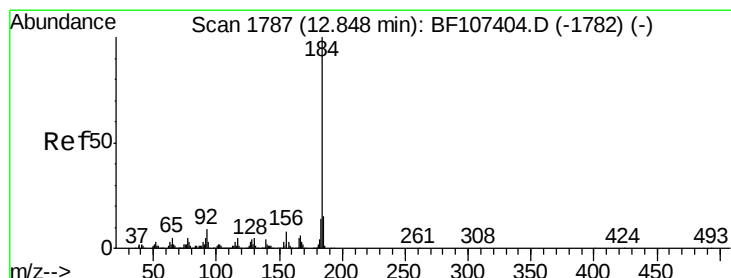
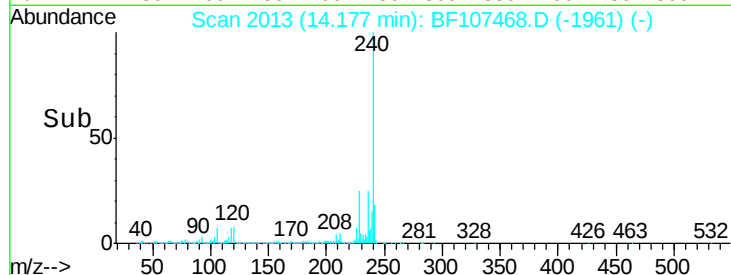
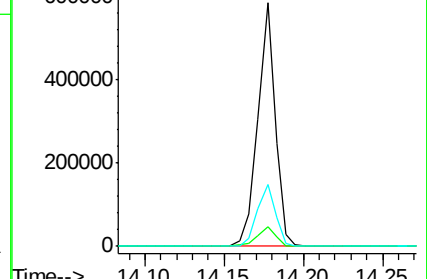
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.817 ng

RT: 12.86 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

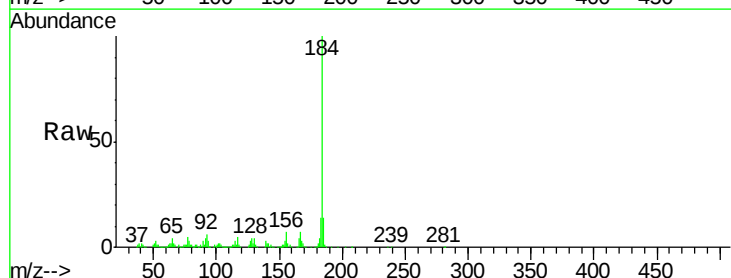
Tgt Ion:184 Resp: 520231

Ion Ratio Lower Upper

184 100

185 13.8 12.6 18.8

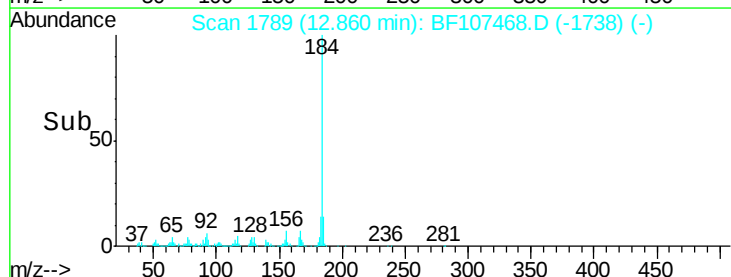
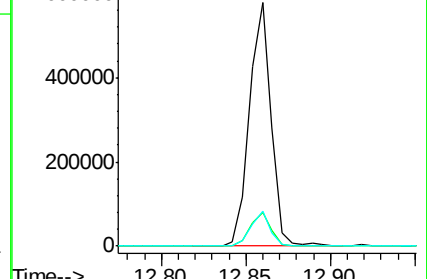
183 14.4 9.3 13.9#

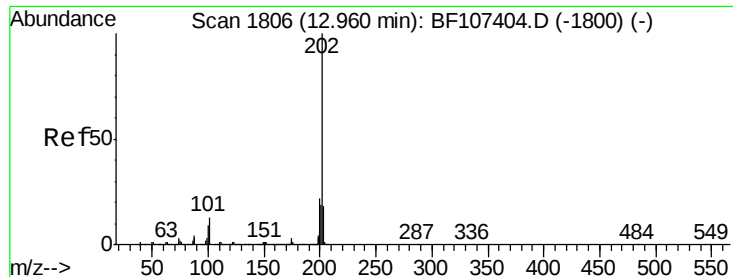


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 44.736 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

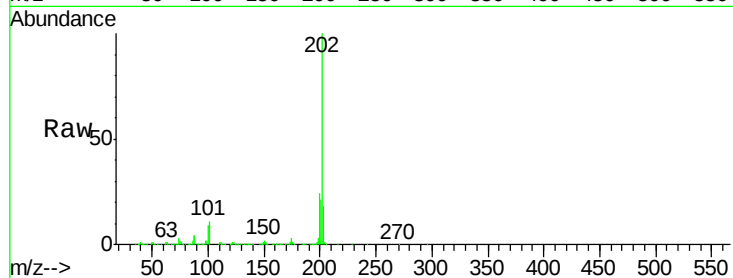
Tgt Ion:202 Resp: 1367639

Ion Ratio Lower Upper

202 100

200 24.2 17.4 26.2

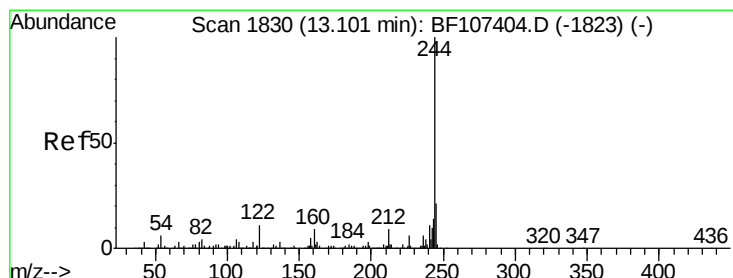
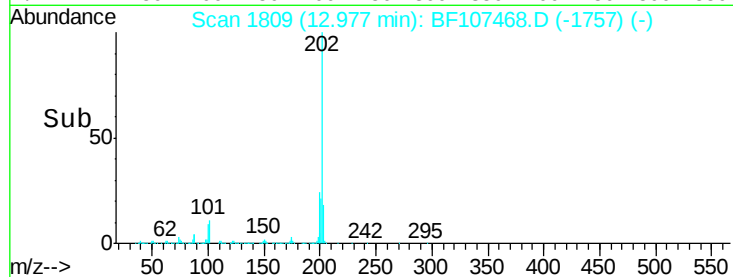
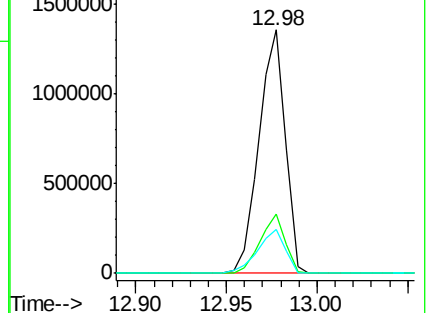
203 17.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 45.562 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

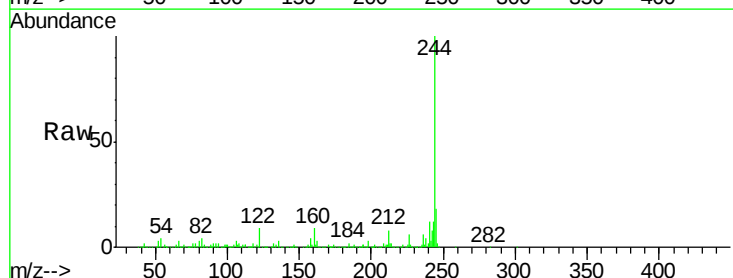
Tgt Ion:244 Resp: 824408

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

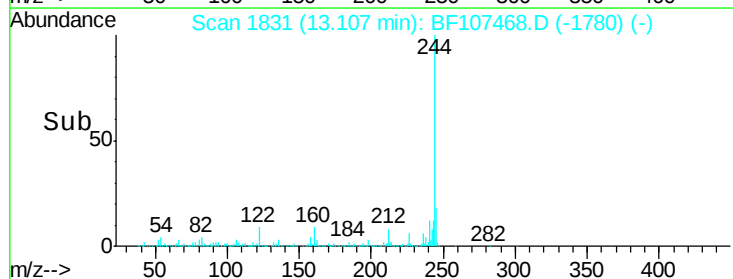
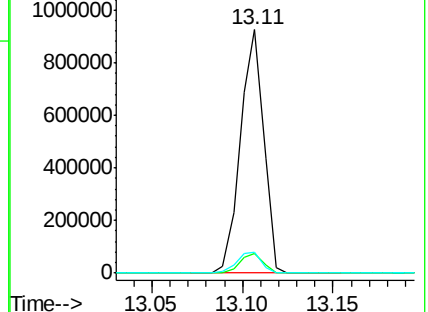
122 8.7 11.0 16.4#

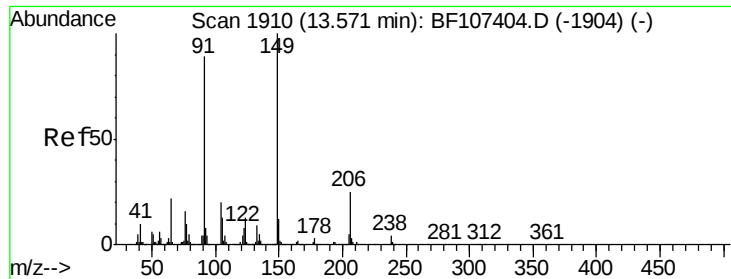


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 52.773 ng

RT: 13.58 min Scan# 1912

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

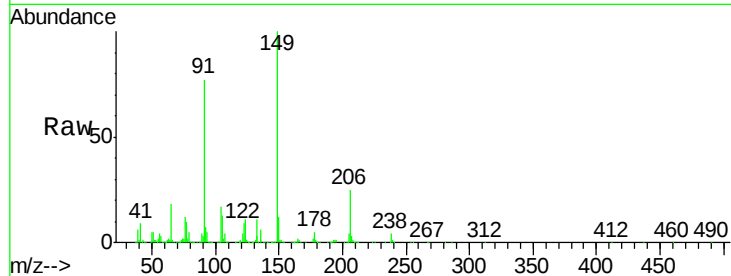
Tgt Ion:149 Resp: 587662

Ion Ratio Lower Upper

149 100

91 77.4 56.8 85.2

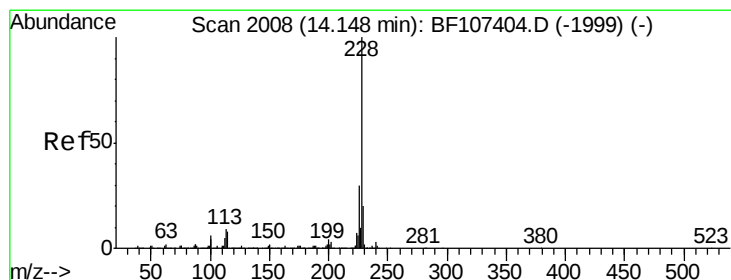
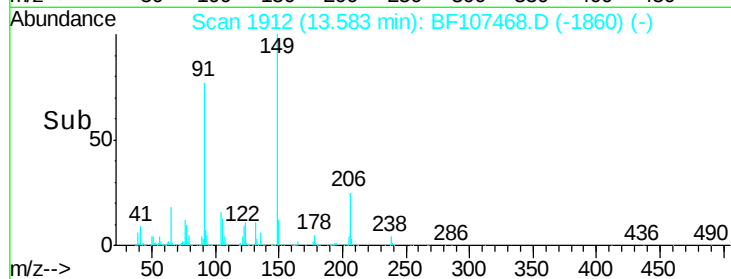
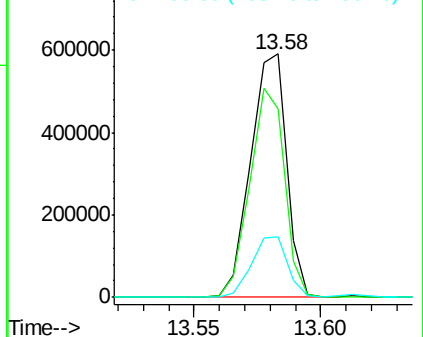
206 24.7 14.1 21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.400 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

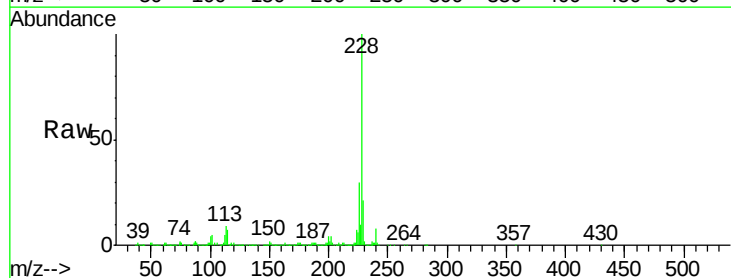
Tgt Ion:228 Resp: 1138780

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

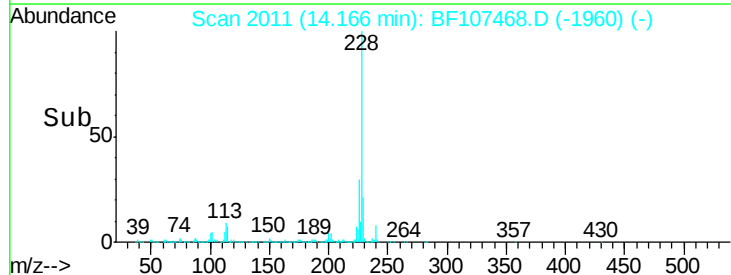
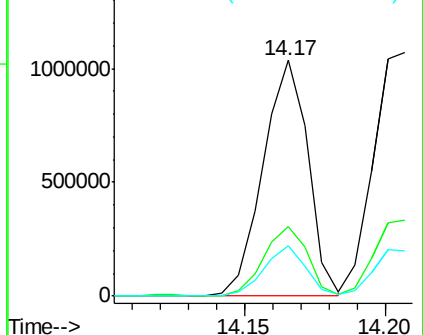
229 21.1 15.8 23.6

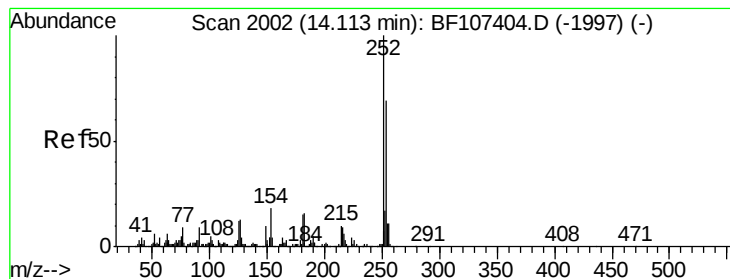


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

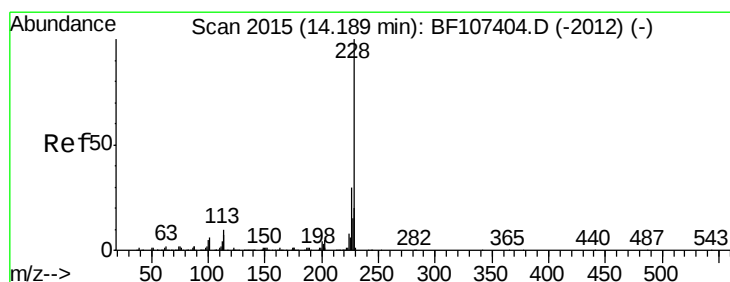
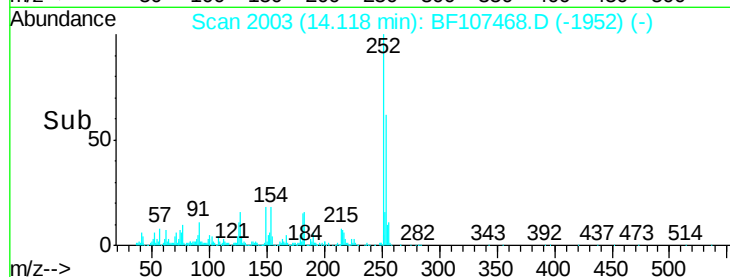
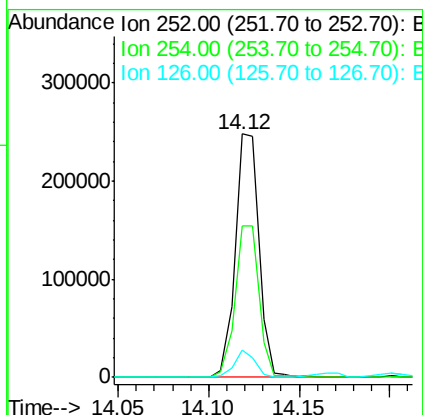
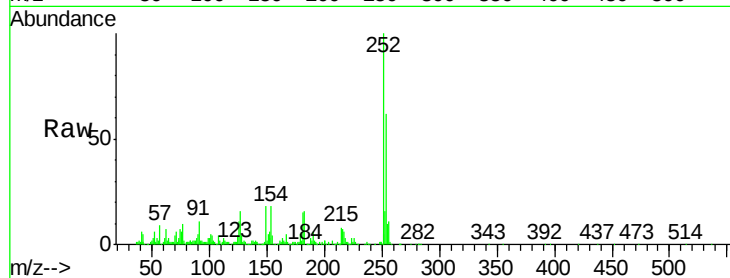




#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.600 ng  
 RT: 14.12 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

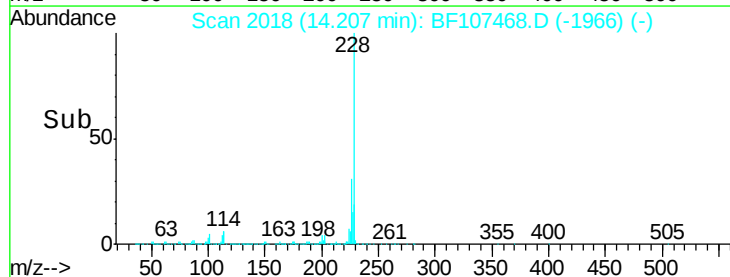
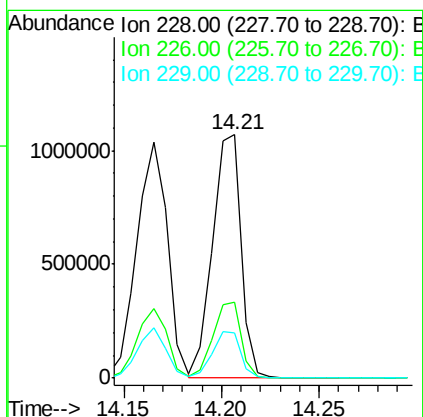
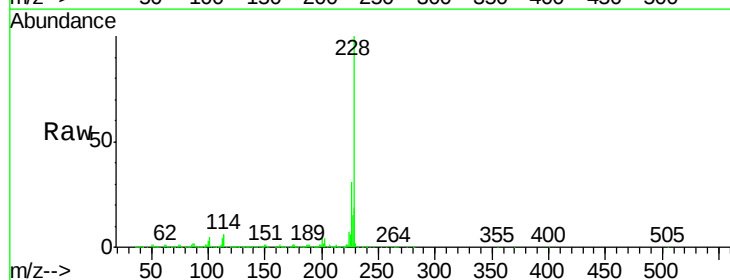
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

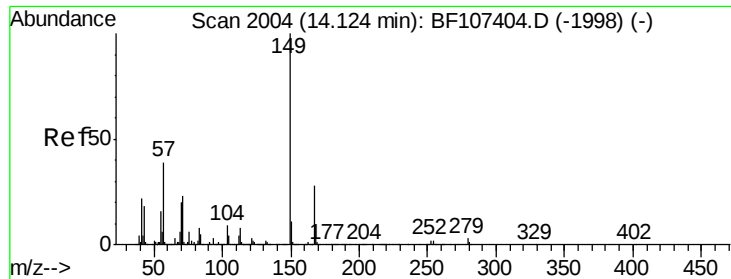
Tgt Ion:252 Resp: 226938  
 Ion Ratio Lower Upper  
 252 100  
 254 62.4 50.4 75.6  
 126 11.0 11.3 16.9#



#82  
 Chrysene  
 Concen: 41.295 ng  
 RT: 14.21 min Scan# 2018  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:228 Resp: 1085067  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 25.0 37.6  
 229 18.5 16.2 24.4

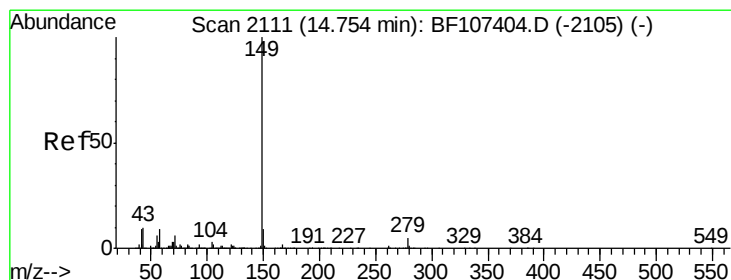
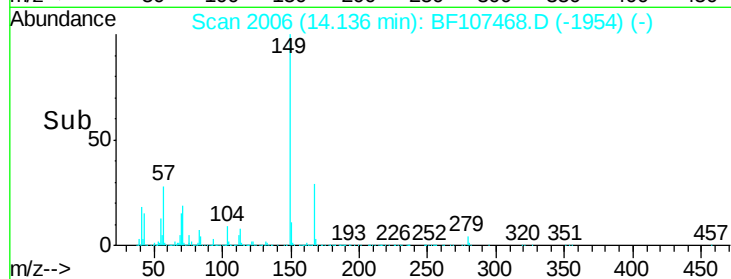
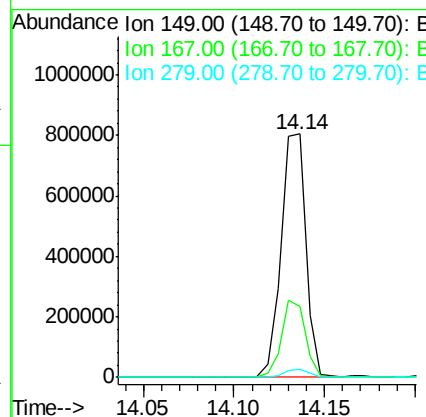
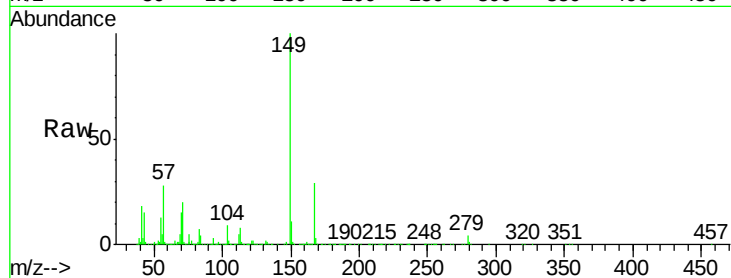




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.928 ng  
 RT: 14.14 min Scan# 2006  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

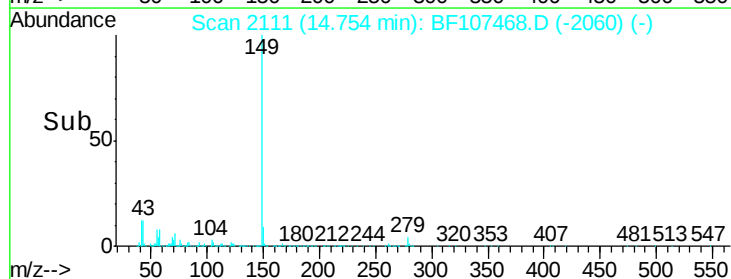
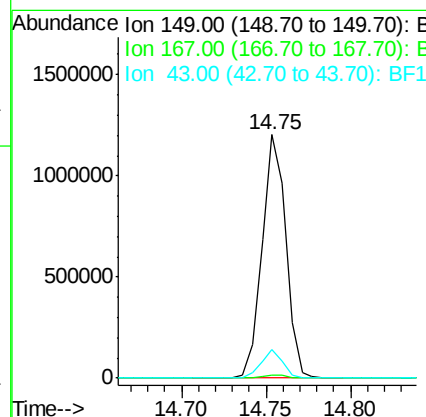
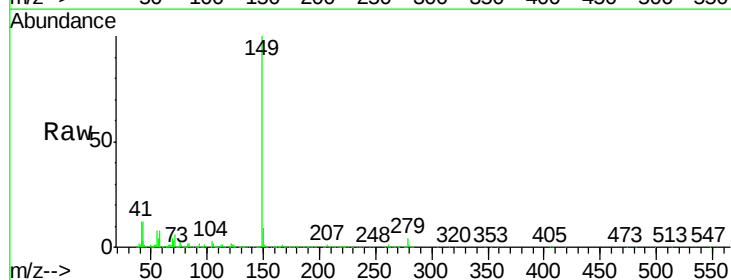
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

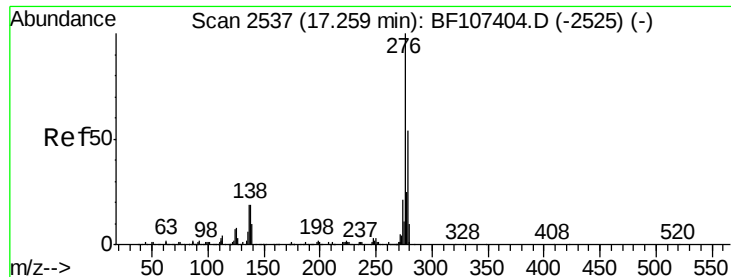
Tgt Ion:149 Resp: 764810  
 Ion Ratio Lower Upper  
 149 100  
 167 29.3 21.3 31.9  
 279 3.6 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 47.605 ng  
 RT: 14.75 min Scan# 2111  
 Delta R.T. 0.00 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:149 Resp: 1180884  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 10.7 8.4 12.6

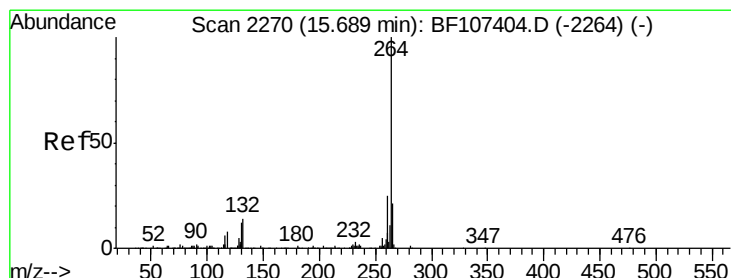
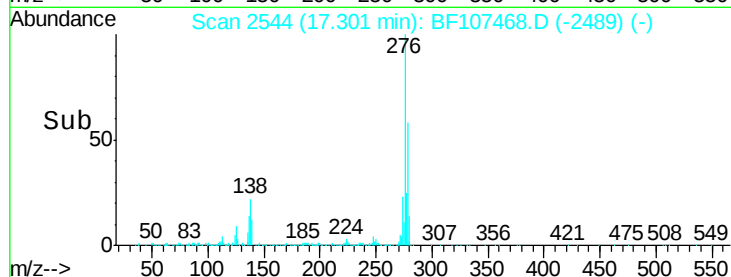
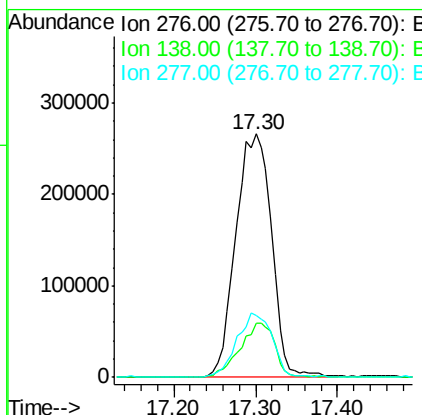
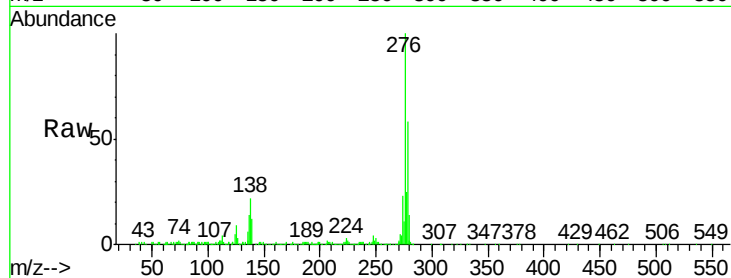




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.350 ng  
 RT: 17.30 min Scan# 2544  
 Delta R.T. 0.02 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

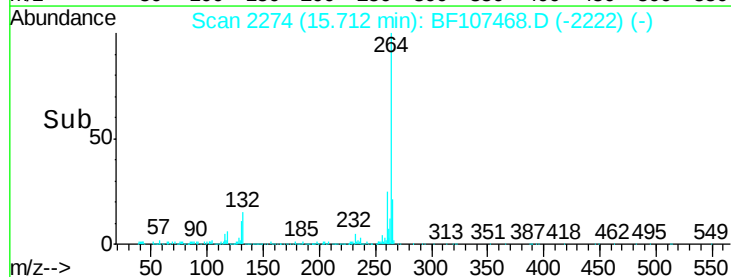
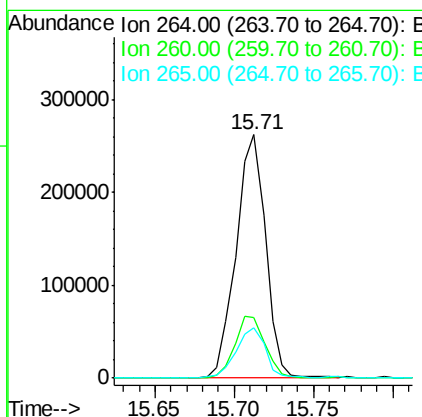
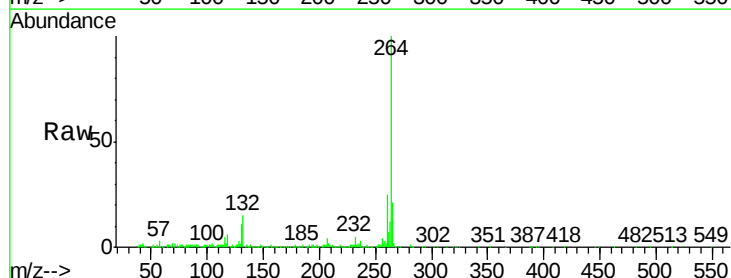
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111134BS

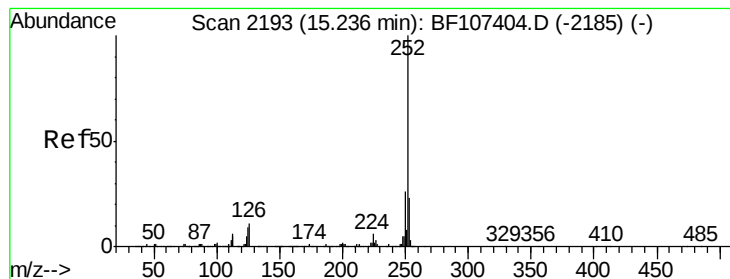
Tgt Ion:276 Resp: 810791  
 Ion Ratio Lower Upper  
 276 100  
 138 21.5 25.0 37.6#  
 277 25.9 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.71 min Scan# 2274  
 Delta R.T. 0.01 min  
 Lab File: BF107468.D  
 Acq: 18 Jul 2018 11:07

Tgt Ion:264 Resp: 339347  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 19.2 28.8  
 265 20.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 44.857 ng

RT: 15.25 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

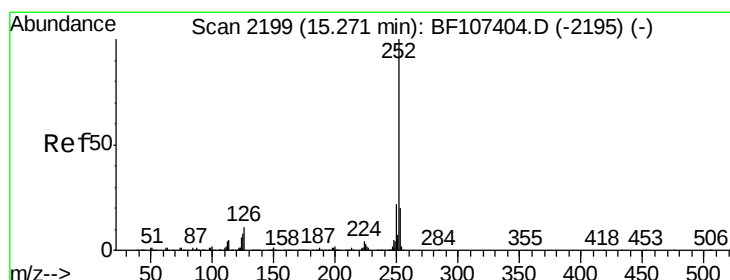
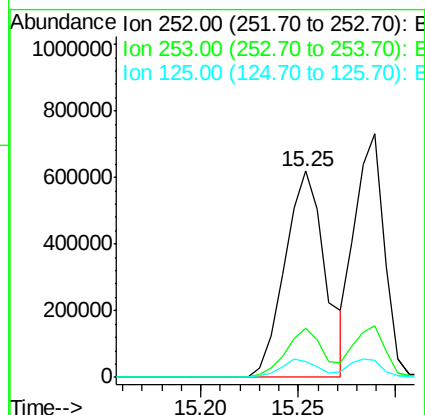
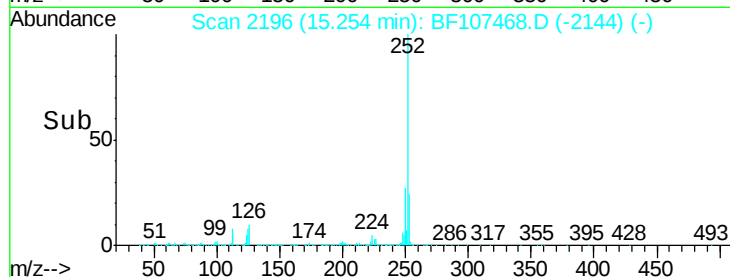
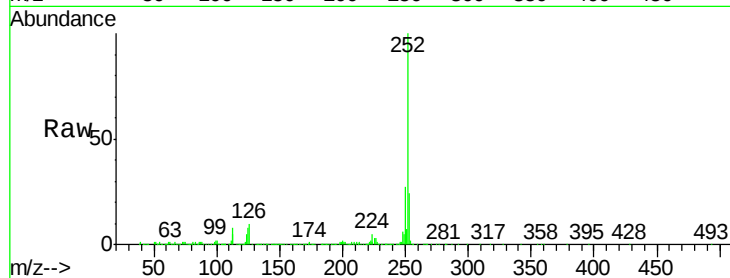
Tgt Ion:252 Resp: 890981

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 7.9 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 39.996 ng

RT: 15.29 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

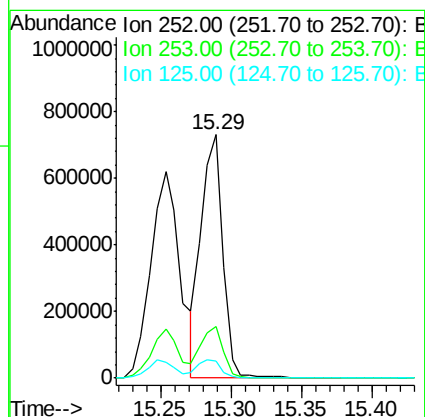
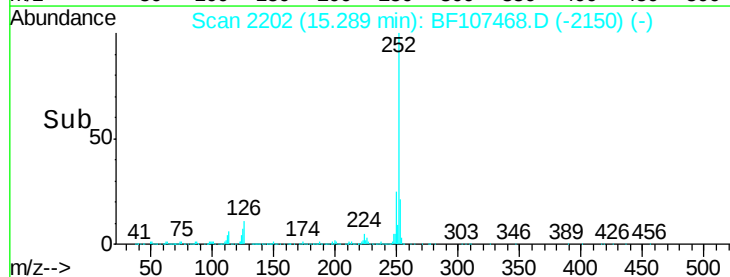
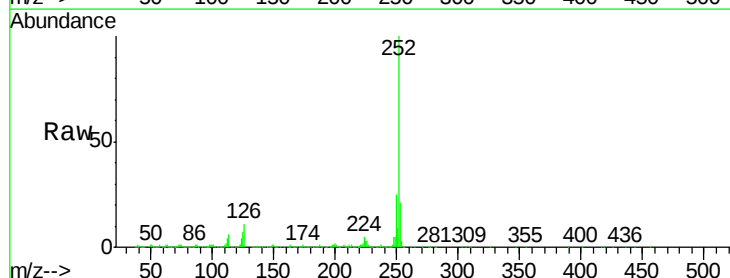
Tgt Ion:252 Resp: 775293

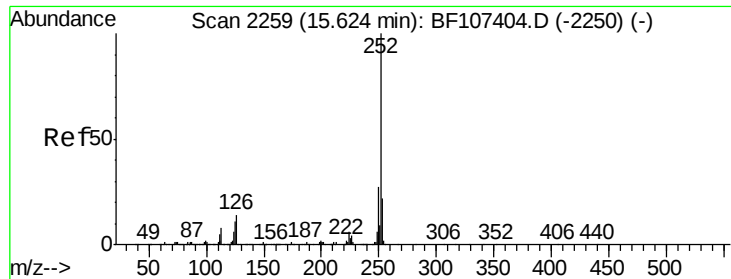
Ion Ratio Lower Upper

252 100

253 21.2 17.9 26.9

125 6.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 42.985 ng

RT: 15.65 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

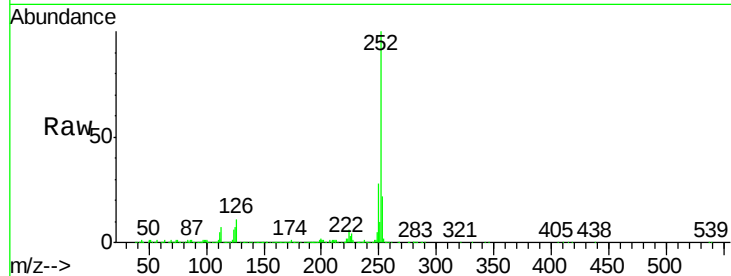
Tgt Ion:252 Resp: 783647

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

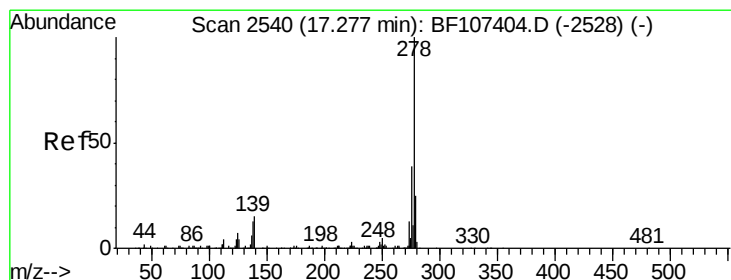
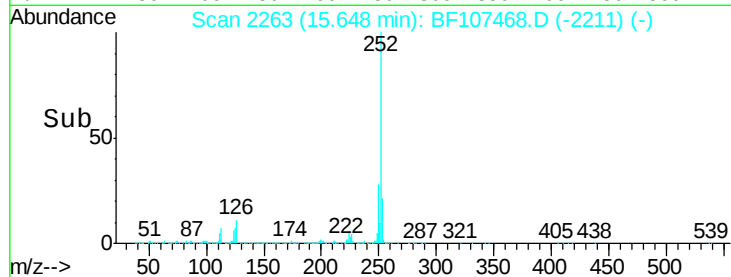
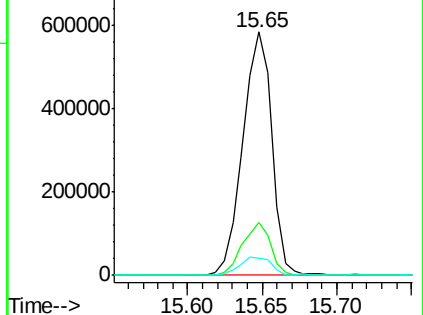
125 7.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.801 ng

RT: 17.32 min Scan# 2547

Delta R.T. 0.02 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

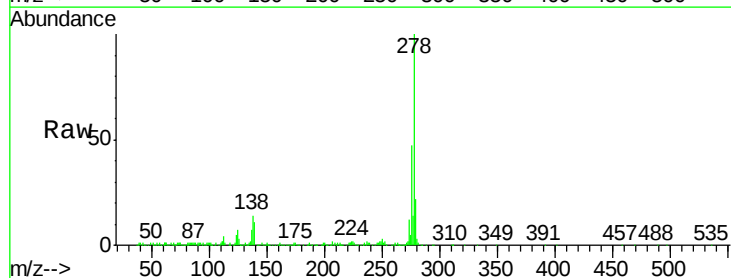
Tgt Ion:278 Resp: 657683

Ion Ratio Lower Upper

278 100

139 11.5 15.9 23.9#

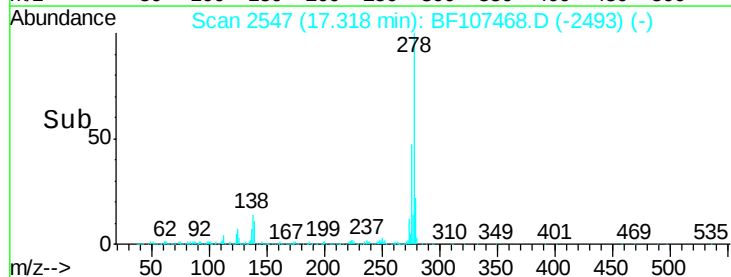
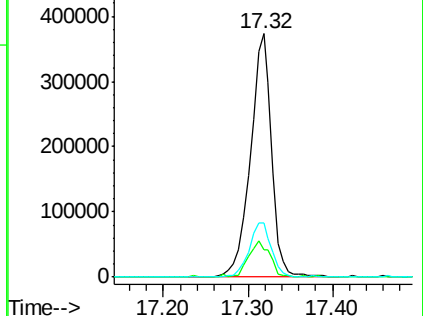
279 22.4 19.0 28.4

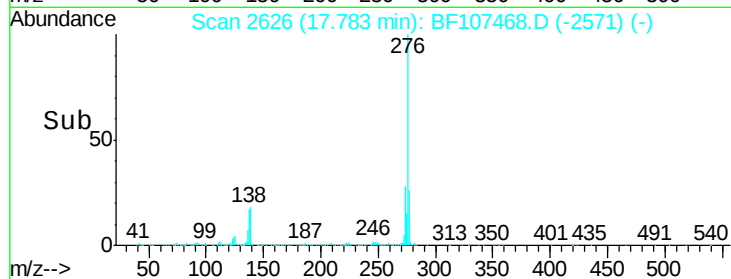
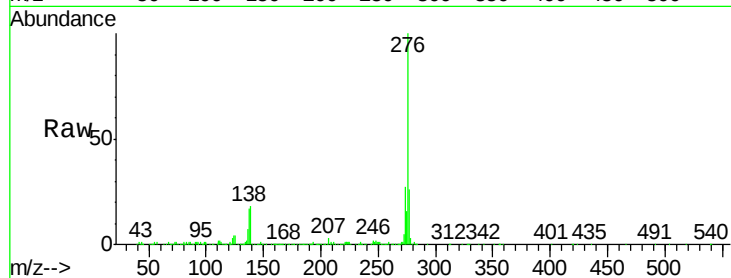
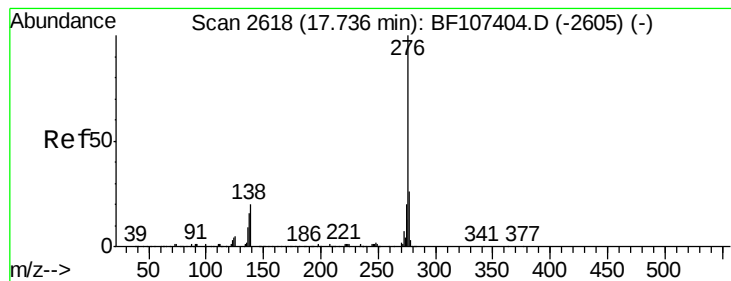


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 49.196 ng

RT: 17.78 min Scan# 2626

Delta R.T. 0.02 min

Lab File: BF107468.D

Acq: 18 Jul 2018 11:07

Instrument :

BNA\_F

ClientSampleId :

PB111134BS

Tgt Ion:276 Resp: 687788

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 18.5 21.8 32.8#

