

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107732.D  
 Acq On : 27 Jul 2018 7:17  
 Operator : JU/SJ  
 Sample : PB111493BS  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

Quant Time: Jul 27 08:23:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 170310   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.24  | 136  | 685708   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 308507   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.50 | 188  | 559752   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.15 | 240  | 365077   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.67 | 264  | 402655   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 808231  | 76.30  | ng | 0.00  |
| 7) Phenol-d6             | 6.60  | 99  | 992061  | 78.00  | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 978427  | 96.30  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 324815  | 92.59  | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 9.32  | 172 | 1915377 | 118.07 | ng | -0.02 |
| 78) Terphenyl-d14        | 13.08 | 244 | 1313353 | 92.10  | ng | -0.02 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.89 | 88  | 136566  | 27.699 | ng | 89     |
| 3) Pyridine                    | 3.67 | 79  | 309027  | 23.040 | ng | # 84   |
| 4) n-Nitrosodimethylamine      | 3.64 | 42  | 116838  | 20.654 | ng | # 94   |
| 6) Aniline                     | 6.64 | 93  | 292085  | 17.805 | ng | # 68   |
| 8) 2-Chlorophenol              | 6.75 | 128 | 429851  | 37.877 | ng | 97     |
| 9) Benzaldehyde                | 6.52 | 77  | 152070  | 16.490 | ng | 97     |
| 10) Phenol                     | 6.61 | 94  | 462323  | 30.907 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 456541  | 36.813 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 450377  | 35.003 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 505487  | 38.330 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 450054  | 38.028 | ng | 99     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 306156  | 35.318 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 680258  | 32.514 | ng | 74     |
| 17) 2-Methylphenol             | 7.22 | 107 | 344572  | 35.723 | ng | # 85   |
| 18) Hexachloroethane           | 7.47 | 117 | 169296  | 36.600 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 290753  | 35.386 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 418741  | 36.560 | ng | # 52   |
| 22) Acetophenone               | 7.37 | 105 | 627957  | 38.994 | ng | # 90   |
| 24) Nitrobenzene               | 7.55 | 77  | 421171  | 36.191 | ng | 98     |
| 25) Isophorone                 | 7.78 | 82  | 811640  | 37.412 | ng | 98     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 248119  | 50.488 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 368001  | 39.560 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 519228  | 35.813 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 372358  | 39.162 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 397371  | 37.210 | ng | 98     |
| 31) Naphthalene                | 8.27 | 128 | 1290985 | 42.814 | ng | 99     |
| 32) Benzoic acid               | 8.02 | 122 | 208569  | 34.730 | ng | 95     |
| 33) 4-Chloroaniline            | 8.33 | 127 | 166291  | 12.617 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 237654  | 37.452 | ng | 98     |
| 35) Caprolactam                | 8.69 | 113 | 105605  | 34.148 | ng | # 76   |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 402462  | 38.105 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.95 | 142 | 882580  | 42.239 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 425402  | 41.341 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.10 | 237 | 228626  | 43.707 | ng | 97     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107732.D  
 Acq On : 27 Jul 2018 7:17  
 Operator : JU/SJ  
 Sample : PB111493BS  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

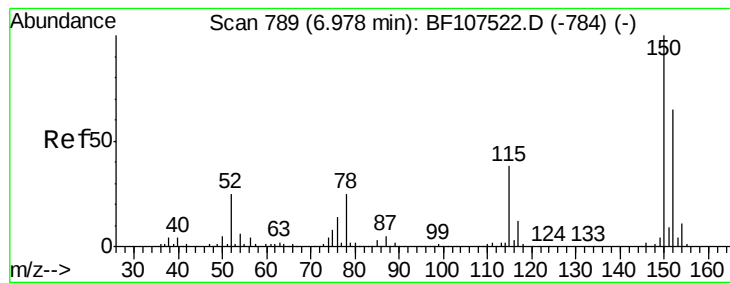
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

Quant Time: Jul 27 08:23:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 257761   | 39.135 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.28  | 196  | 291738   | 42.380 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 1105830  | 41.148 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 811523   | 39.505 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 261140   | 43.605 | ng    | 89       |
| 48) Acenaphthylene             | 9.87  | 152  | 1309990  | 42.452 | ng    | 98       |
| 49) Dimethylphthalate          | 9.72  | 163  | 939300   | 40.398 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 198887   | 43.084 | ng    | 94       |
| 51) Acenaphthene               | 10.04 | 154  | 720787   | 37.280 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.97  | 138  | 114674   | 20.419 | ng    | 94       |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 132967   | 66.836 | ng #  | 31       |
| 54) Dibenzofuran               | 10.21 | 168  | 1134902  | 39.871 | ng    | 99       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 189762   | 45.131 | ng    | 90       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 242904   | 43.591 | ng    | 96       |
| 57) Fluorene                   | 10.55 | 166  | 886945   | 43.677 | ng    | 94       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 255318   | 44.565 | ng #  | 80       |
| 59) Diethylphthalate           | 10.41 | 149  | 951448   | 39.182 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 450918   | 39.279 | ng    | 91       |
| 61) 4-Nitroaniline             | 10.60 | 138  | 162192   | 34.375 | ng    | 95       |
| 62) Azobenzene                 | 10.70 | 77   | 859396   | 37.742 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 99495    | 38.841 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.67 | 169  | 778175   | 40.934 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 266724   | 40.479 | ng    | 93       |
| 67) Hexachlorobenzene          | 11.10 | 284  | 280978   | 38.755 | ng #  | 85       |
| 68) Atrazine                   | 11.18 | 200  | 234364   | 40.377 | ng    | 98       |
| 69) Pentachlorophenol          | 11.30 | 266  | 245214   | 54.148 | ng    | 99       |
| 70) Phenanthrene               | 11.52 | 178  | 1093504  | 40.089 | ng    | 99       |
| 71) Anthracene                 | 11.57 | 178  | 1212033  | 44.132 | ng    | 99       |
| 72) Carbazole                  | 11.74 | 167  | 990600   | 34.686 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 1363612  | 47.032 | ng    | 100      |
| 74) Fluoranthene               | 12.71 | 202  | 1015700  | 34.701 | ng    | 95       |
| 76) Benzidine                  | 12.84 | 184  | 336320   | 31.989 | ng    | 98       |
| 77) Pyrene                     | 12.94 | 202  | 969201   | 38.812 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 428843   | 39.933 | ng #  | 88       |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 837566   | 39.149 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 242600   | 36.211 | ng    | 98       |
| 82) Chrysene                   | 14.17 | 228  | 870889   | 42.376 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 565462   | 37.317 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.71 | 149  | 991698   | 42.105 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.25 | 276  | 758131   | 43.526 | ng #  | 93       |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 884230   | 40.125 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 15.25 | 252  | 869973   | 40.295 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.61 | 252  | 831036   | 41.226 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 17.26 | 278  | 650041   | 37.305 | ng #  | 96       |
| 91) Benzo(g,h,i)perylene       | 17.72 | 276  | 586295   | 34.111 | ng #  | 93       |

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



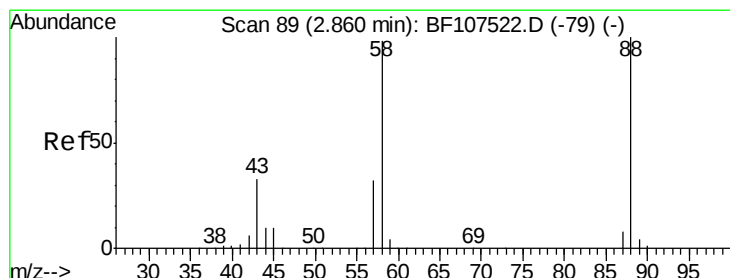
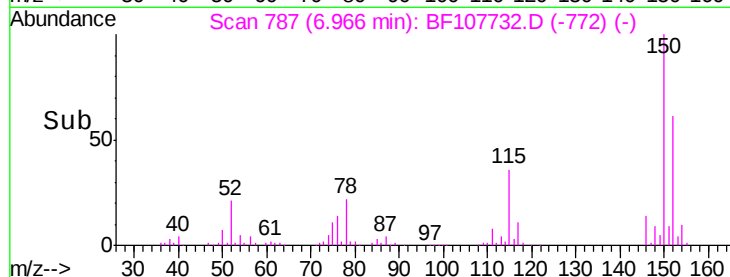
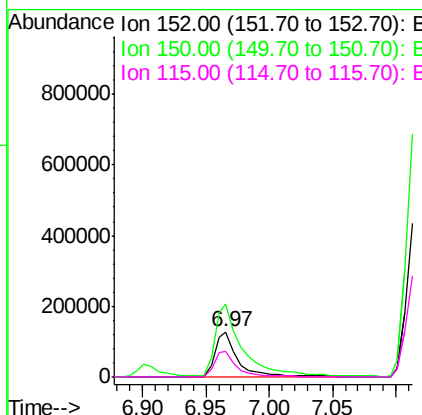
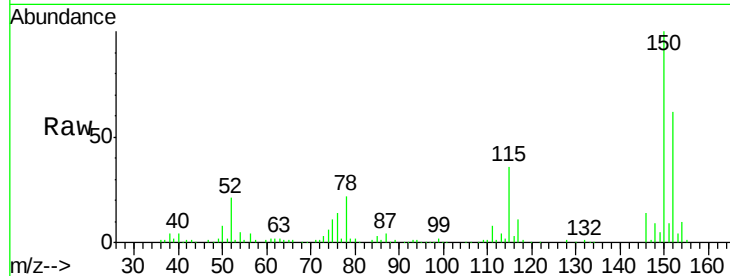


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

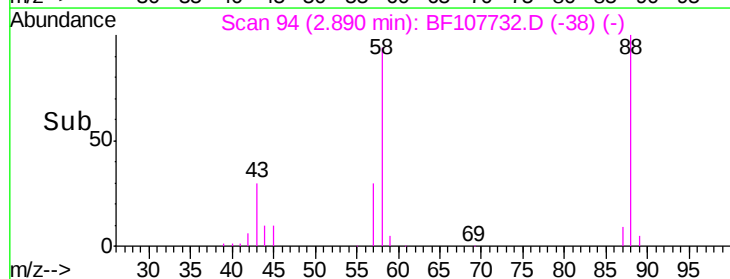
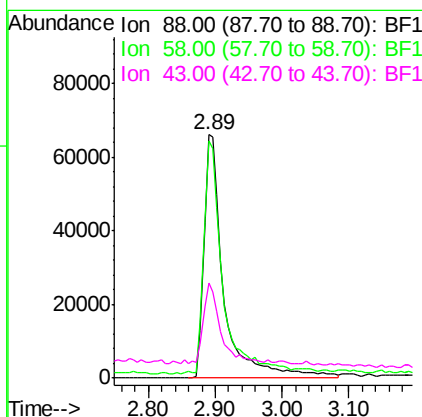
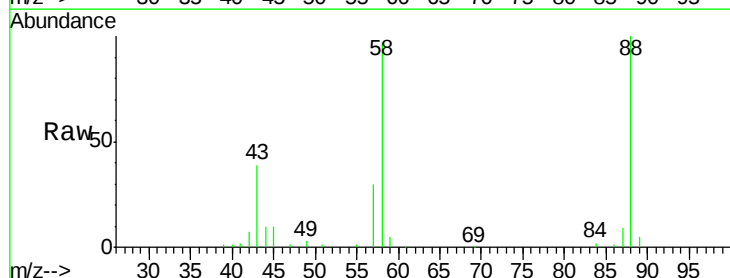
Tgt Ion:152 Resp: 170310  
 Ion Ratio Lower Upper  
 152 100  
 150 162.3 124.6 186.8  
 115 57.7 50.1 75.1

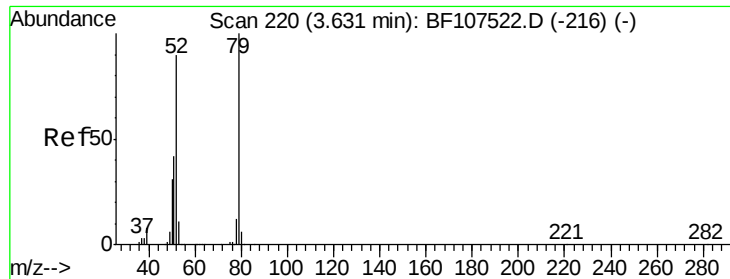


#2

1,4-Dioxane  
 Concen: 27.699 ng  
 RT: 2.89 min Scan# 94  
 Delta R.T. 0.03 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion: 88 Resp: 136566  
 Ion Ratio Lower Upper  
 88 100  
 58 89.7 62.6 93.8  
 43 28.0 24.6 37.0





#3

Pyridine

Concen: 23.040 ng

RT: 3.67 min Scan# 227

Delta R.T. 0.04 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

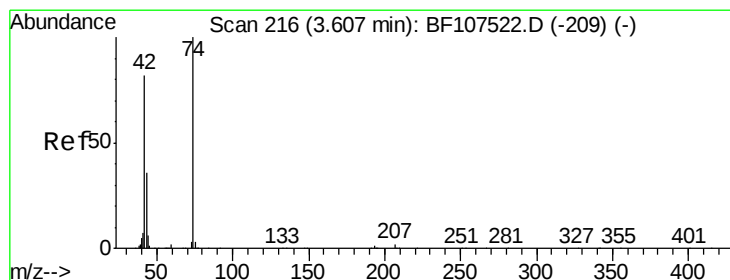
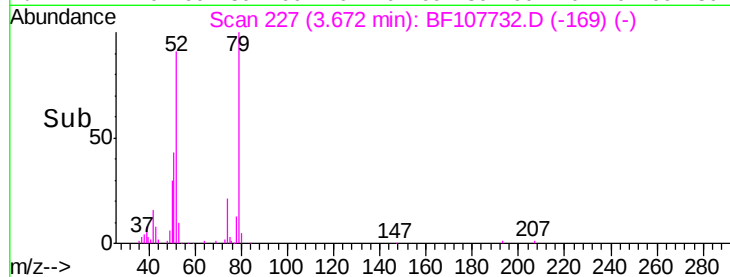
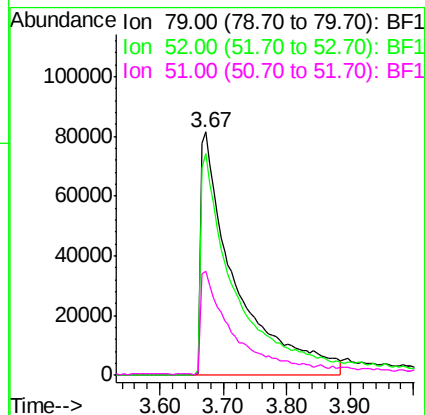
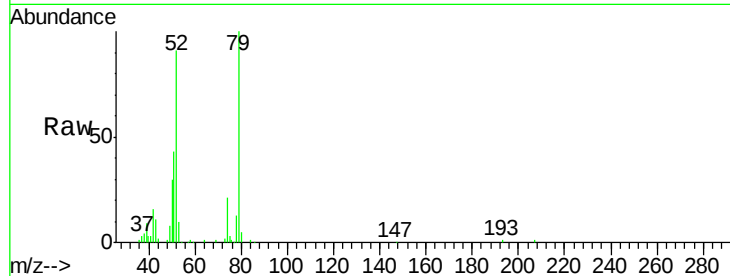
Tgt Ion: 79 Resp: 309027

Ion Ratio Lower Upper

79 100

52 91.2 59.8 89.6#

51 42.9 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 20.654 ng

RT: 3.64 min Scan# 222

Delta R.T. 0.04 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

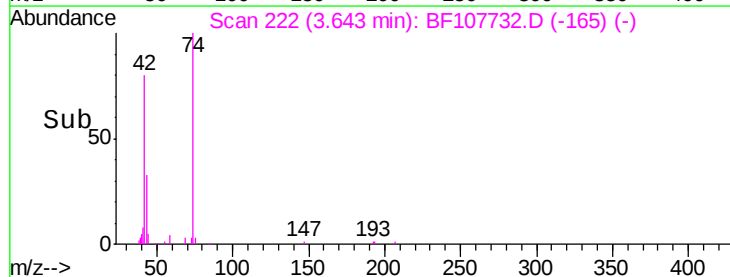
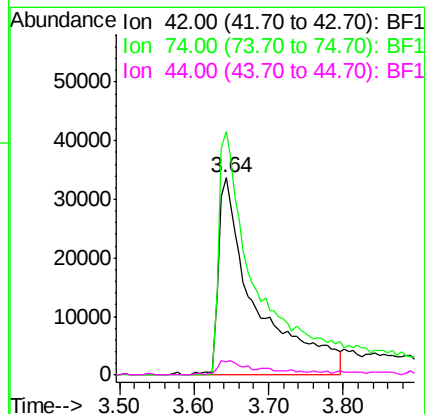
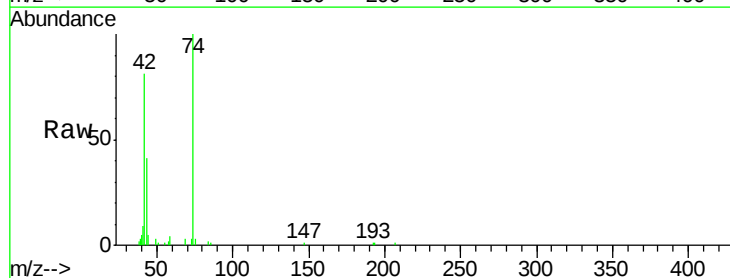
Tgt Ion: 42 Resp: 116838

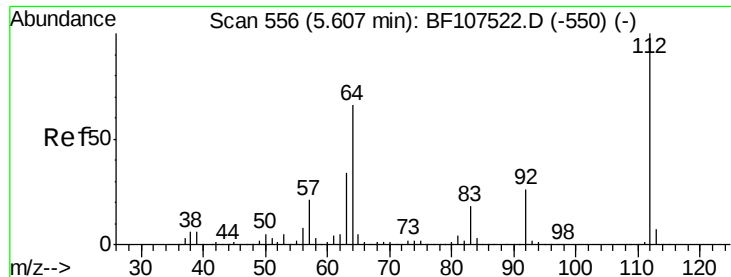
Ion Ratio Lower Upper

42 100

74 123.6 104.9 157.3

44 6.7 6.9 10.3#





#5

2-Fluorophenol

Concen: 76.301 ng

RT: 5.60 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

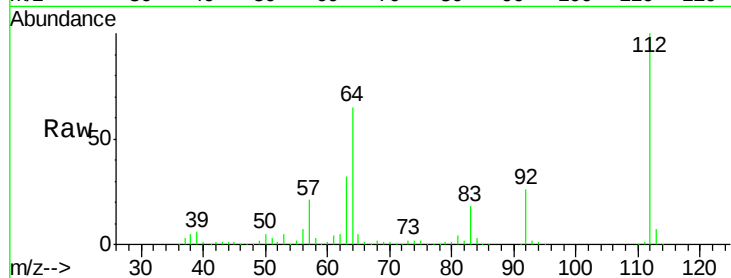
Tgt Ion: 112 Resp: 808231

Ion Ratio Lower Upper

112 100

64 64.7 47.9 71.9

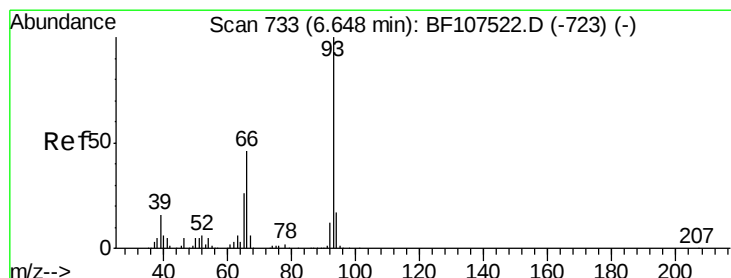
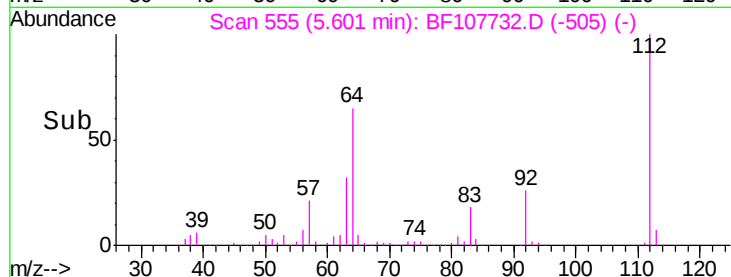
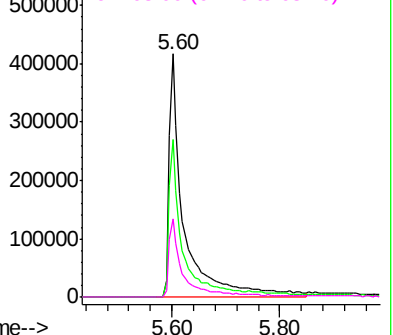
63 32.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 17.805 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

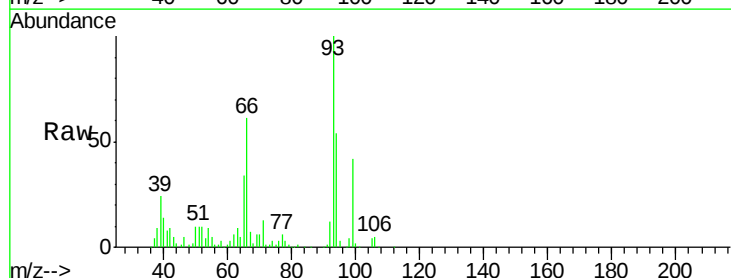
Tgt Ion: 93 Resp: 292085

Ion Ratio Lower Upper

93 100

66 60.9 32.2 48.2#

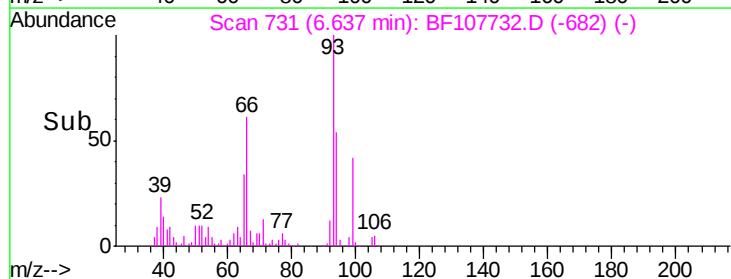
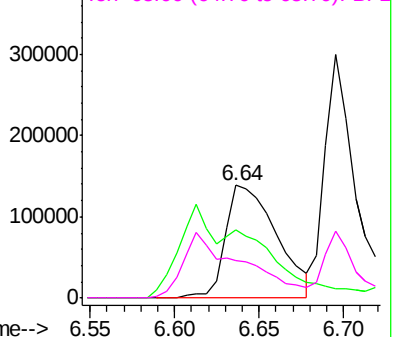
65 33.6 16.4 24.6#

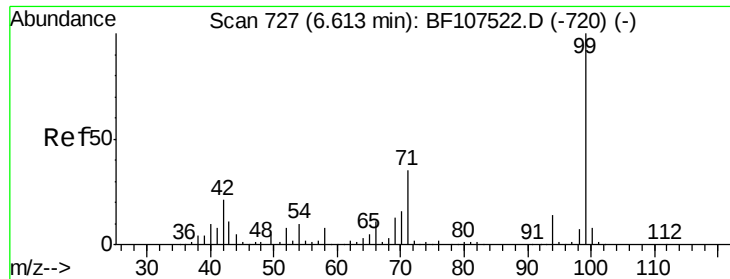


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.998 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

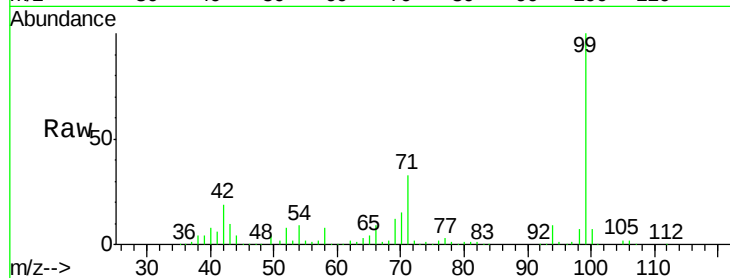
Tgt Ion: 99 Resp: 992061

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

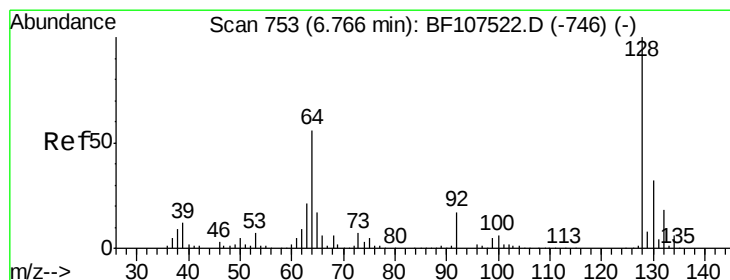
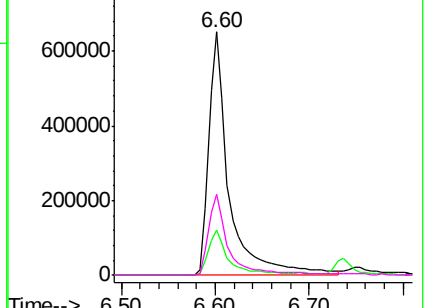
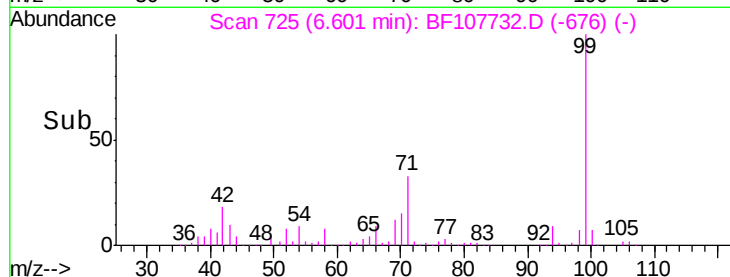
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.877 ng

RT: 6.75 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

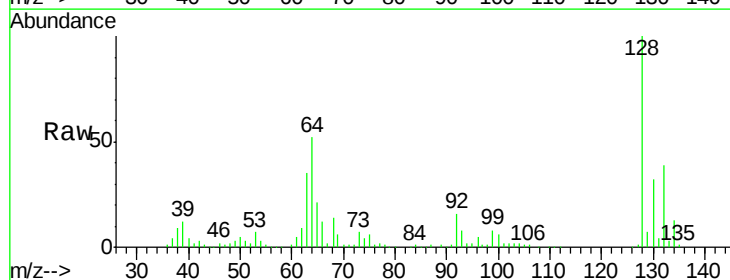
Tgt Ion: 128 Resp: 429851

Ion Ratio Lower Upper

128 100

130 32.5 13.0 53.0

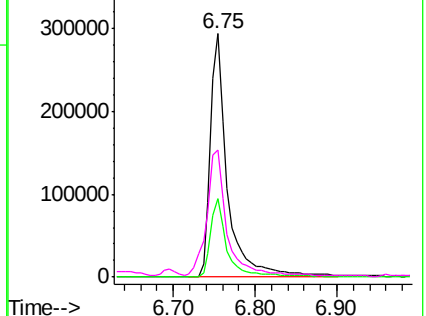
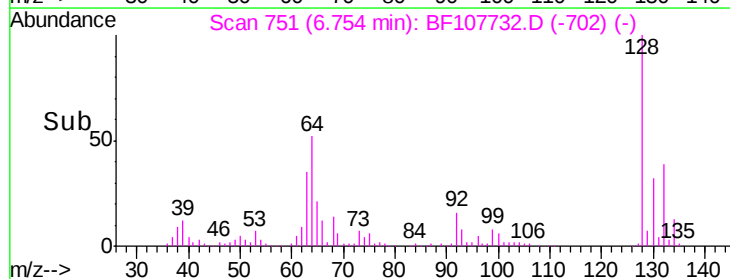
64 52.1 29.4 69.4

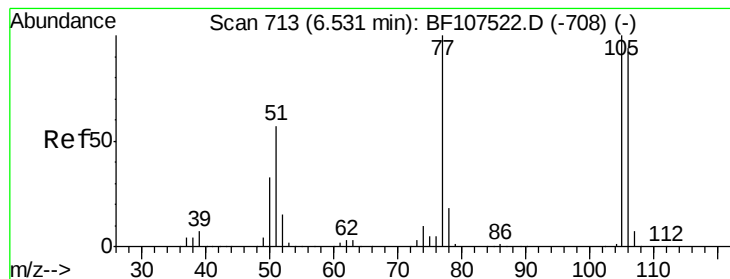


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.490 ng

RT: 6.52 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

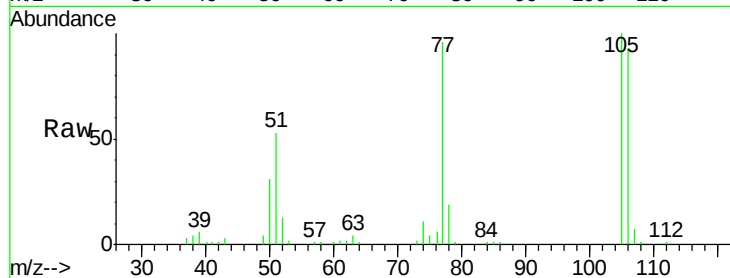
Tgt Ion: 77 Resp: 152070

Ion Ratio Lower Upper

77 100

105 104.2 81.1 121.1

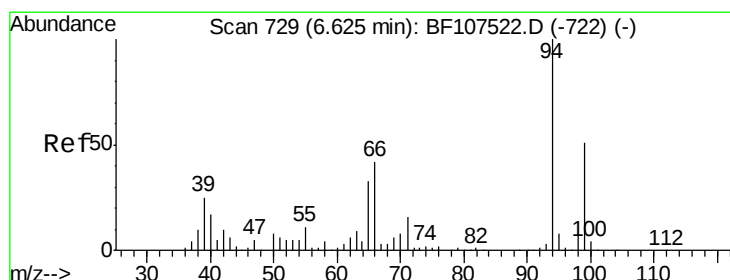
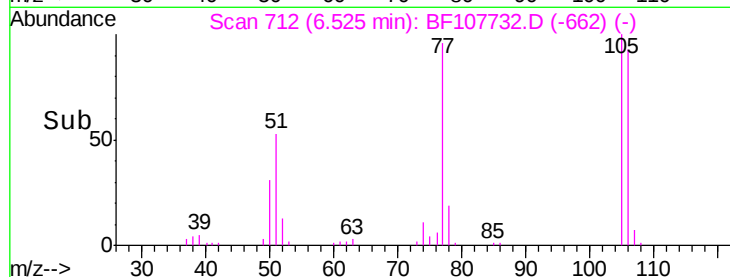
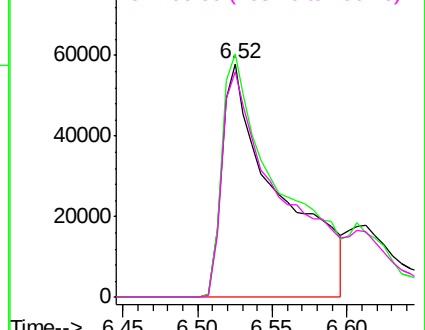
106 96.8 74.5 114.5



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: 30.907 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

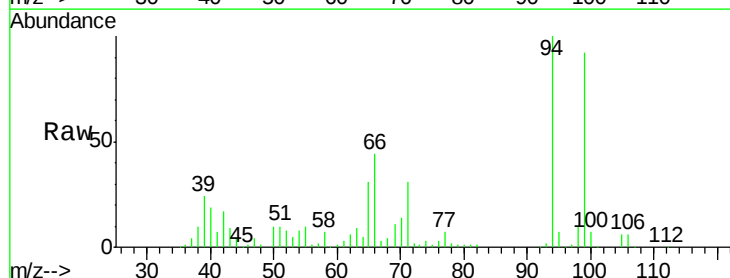
Tgt Ion: 94 Resp: 462323

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

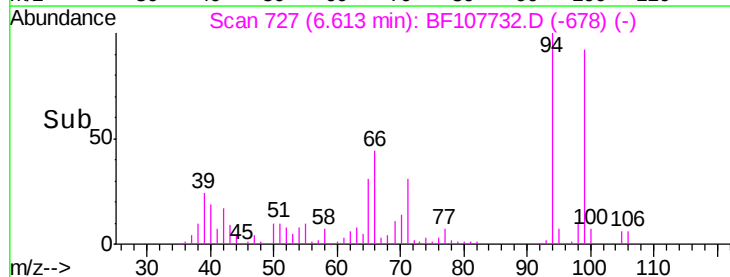
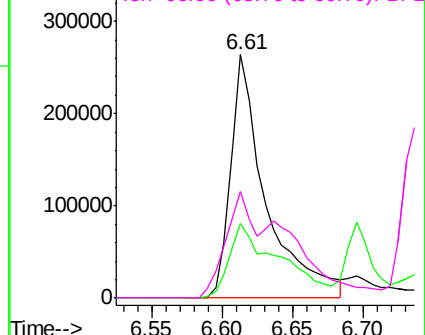
66 43.7 16.2 56.2

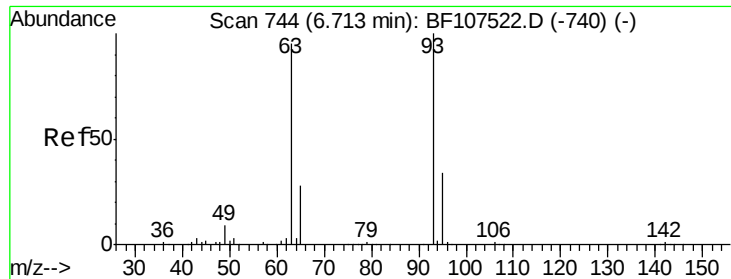


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

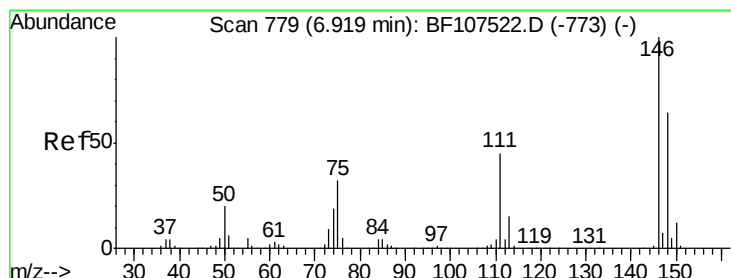
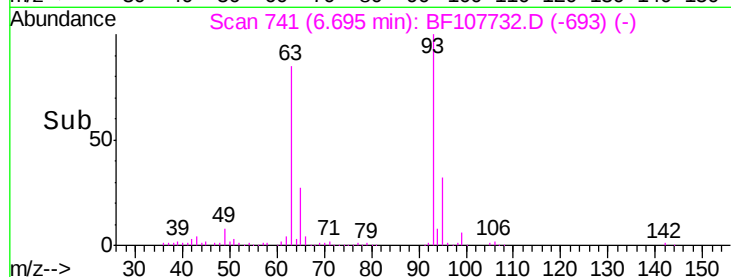
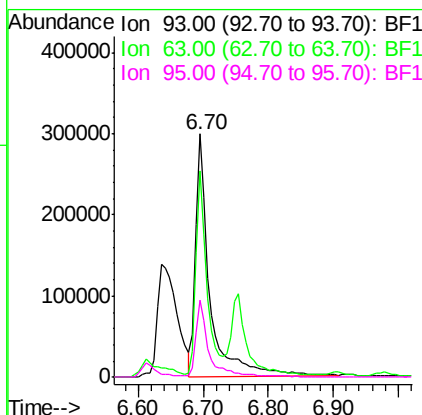
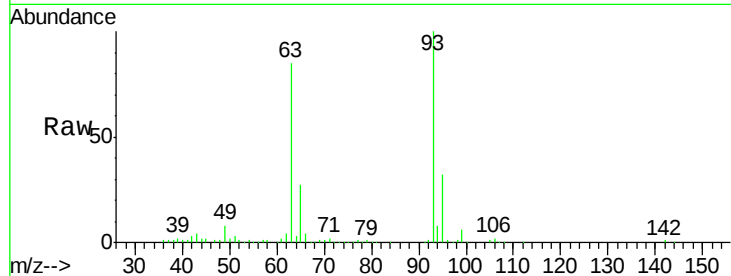




#11  
 bis(2-Chloroethyl)ether  
 Concen: 36.813 ng  
 RT: 6.70 min Scan# 741  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

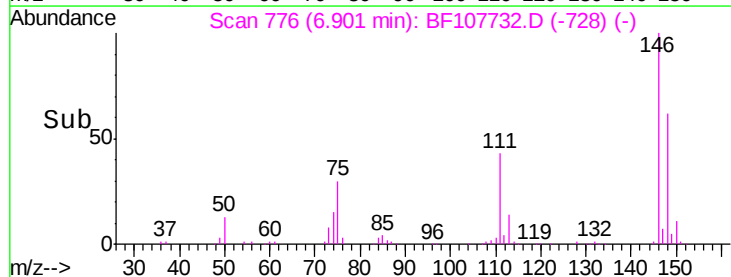
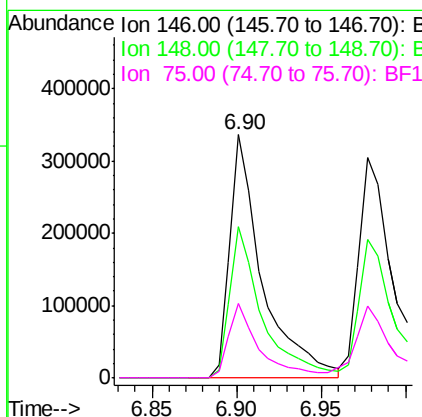
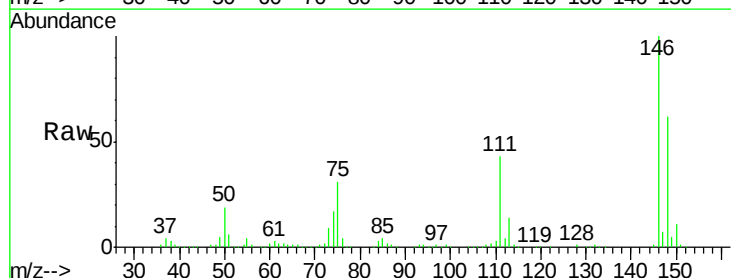
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

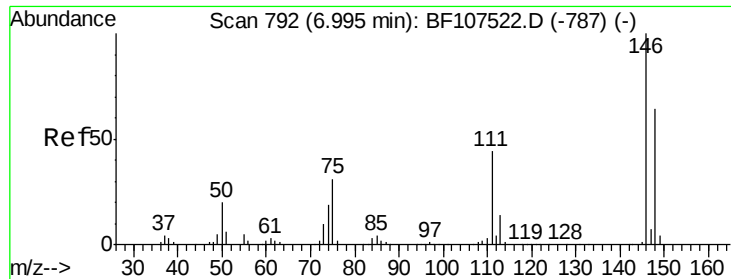
Tgt Ion: 93 Resp: 456541  
 Ion Ratio Lower Upper  
 93 100  
 63 84.7 58.6 98.6  
 95 31.8 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 35.003 ng  
 RT: 6.90 min Scan# 776  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion: 146 Resp: 450377  
 Ion Ratio Lower Upper  
 146 100  
 148 62.3 51.8 77.8  
 75 30.7 24.2 36.4

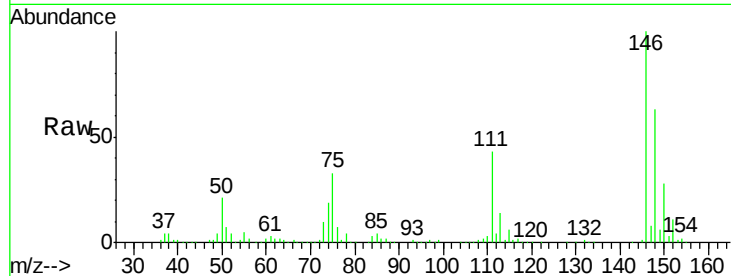




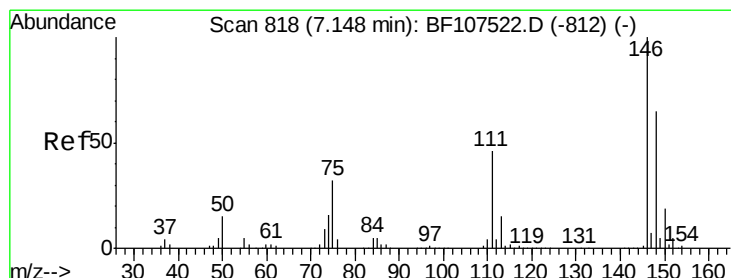
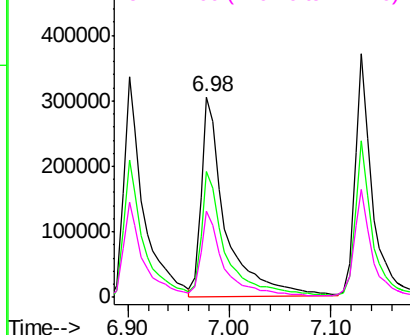
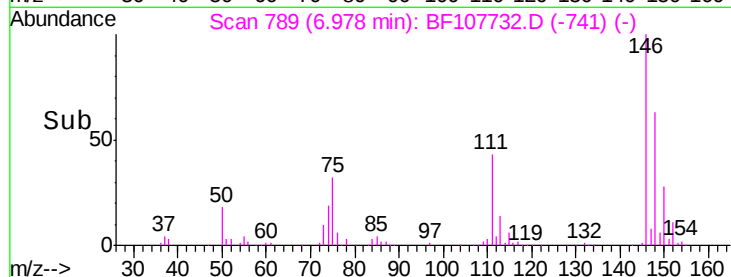
#13  
 1,4-Dichlorobenzene  
 Concen: 38.330 ng  
 RT: 6.98 min Scan# 789  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB111493BS

Tgt Ion:146 Resp: 505487  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 50.8 76.2  
 111 43.2 34.2 51.2

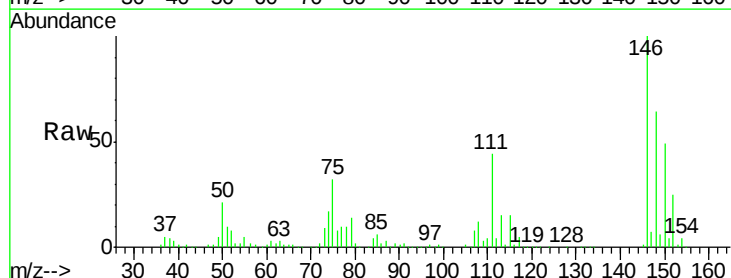


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

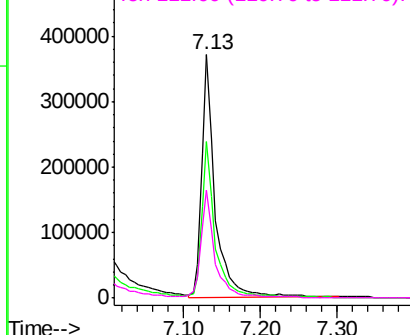
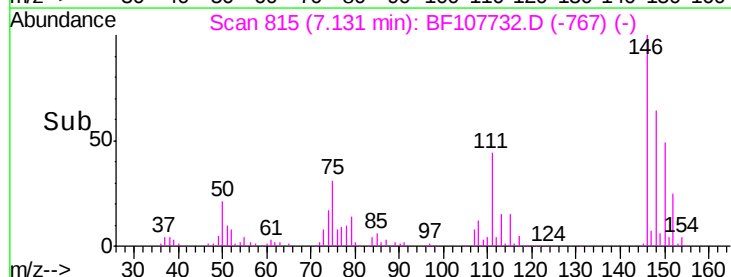


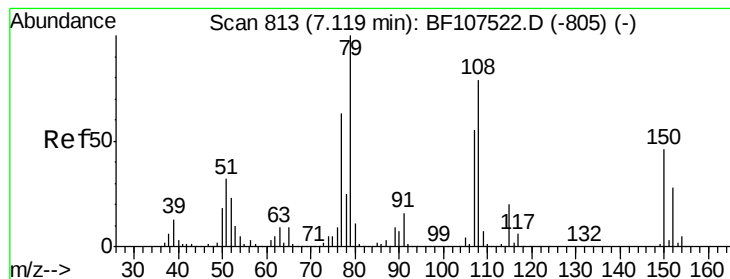
#14  
 1,2-Dichlorobenzene  
 Concen: 38.028 ng  
 RT: 7.13 min Scan# 815  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:146 Resp: 450054  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 50.6 75.8  
 111 44.5 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: 35.318 ng

RT: 7.11 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

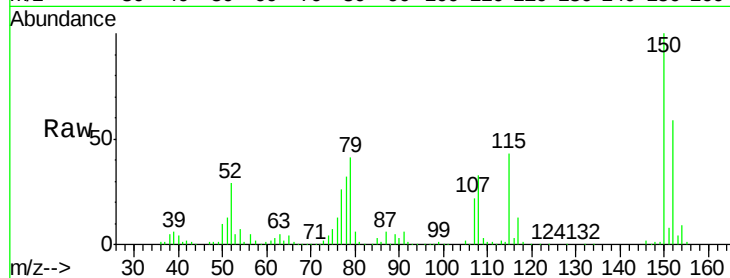
Tgt Ion: 79 Resp: 306156

Ion Ratio Lower Upper

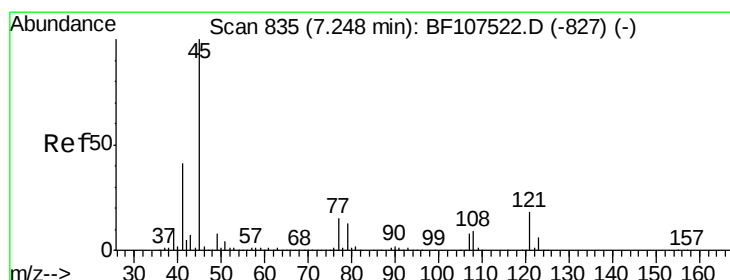
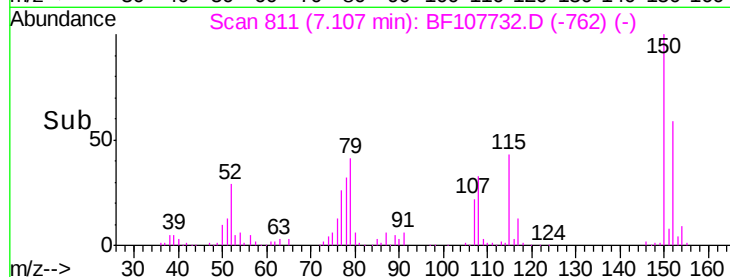
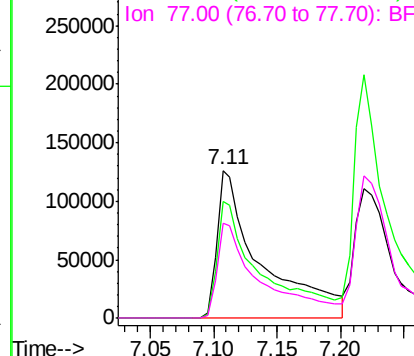
79 100

108 78.6 65.1 97.7

77 63.9 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.514 ng

RT: 7.23 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

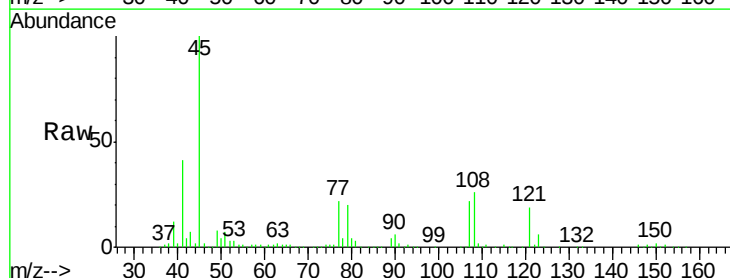
Tgt Ion: 45 Resp: 680258

Ion Ratio Lower Upper

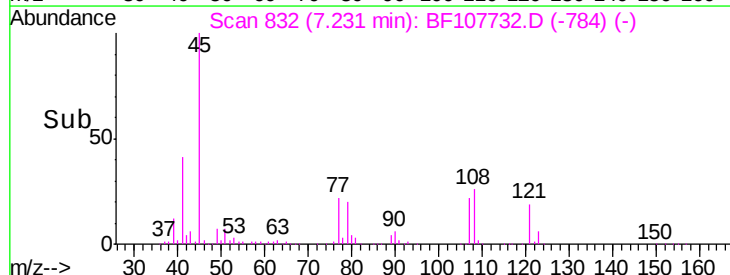
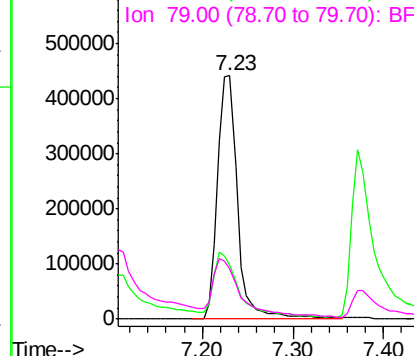
45 100

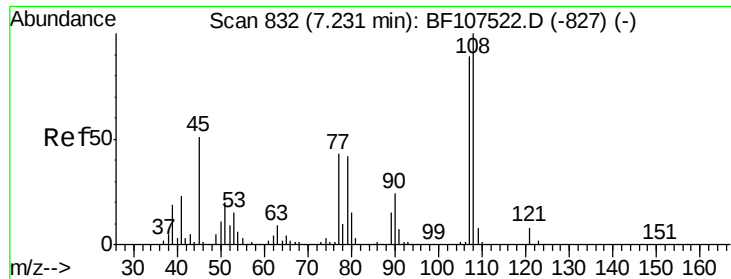
77 22.1 0.0 32.9

79 20.5 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

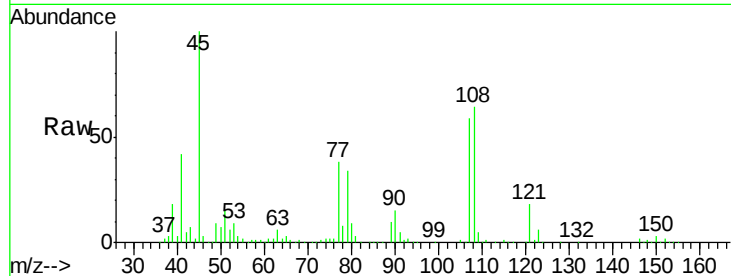




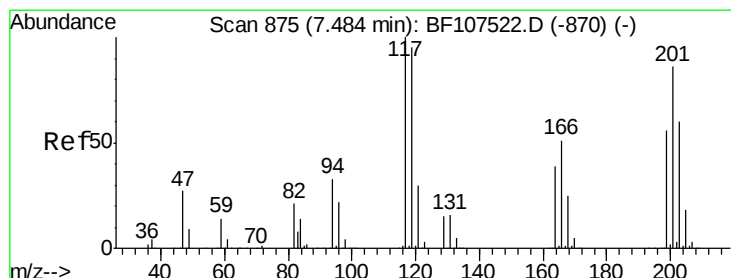
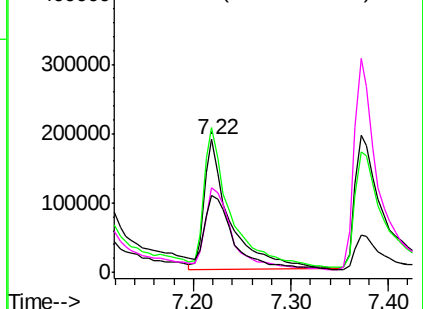
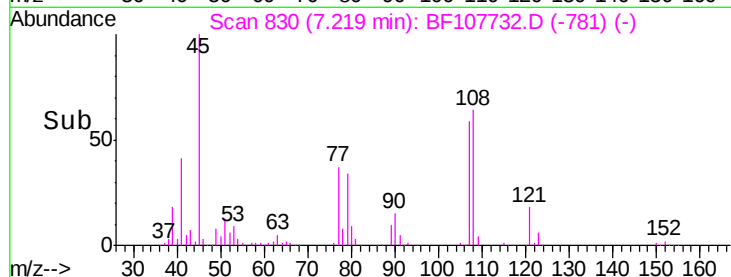
#17  
2-Methylphenol  
Concen: 35.723 ng  
RT: 7.22 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

Tgt Ion:107 Resp: 344572  
Ion Ratio Lower Upper  
107 100  
108 108.8 91.7 137.5  
77 63.4 33.8 50.8#  
79 58.0 33.8 50.8#

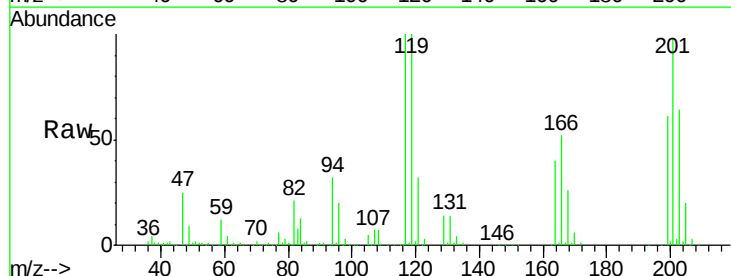


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

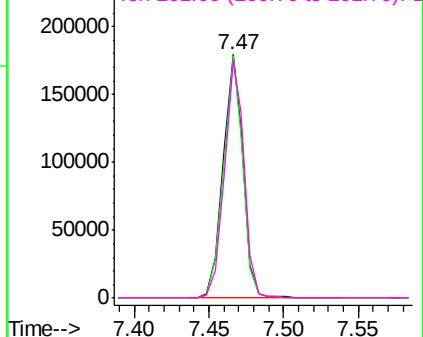
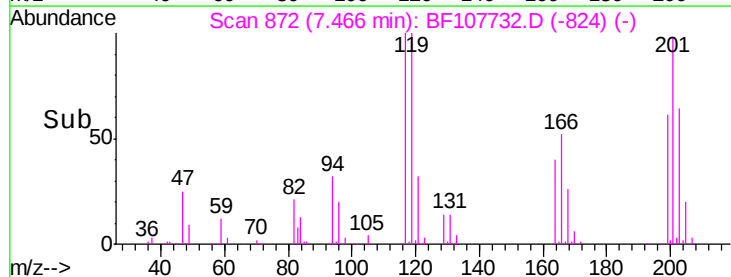


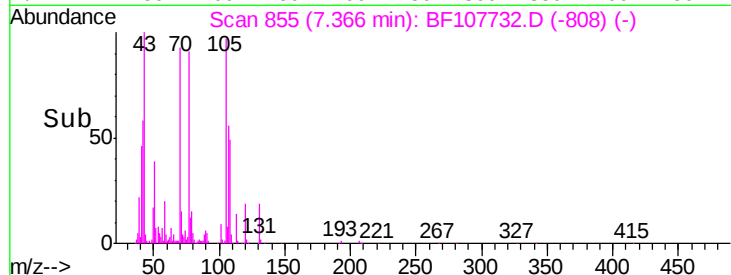
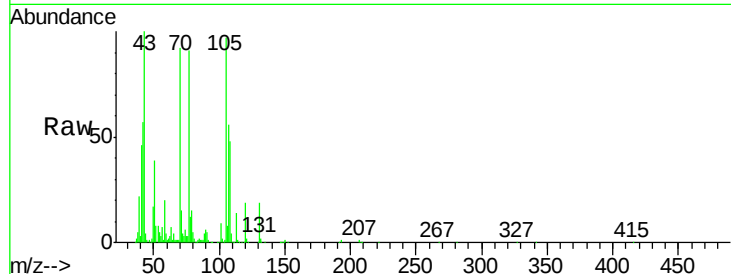
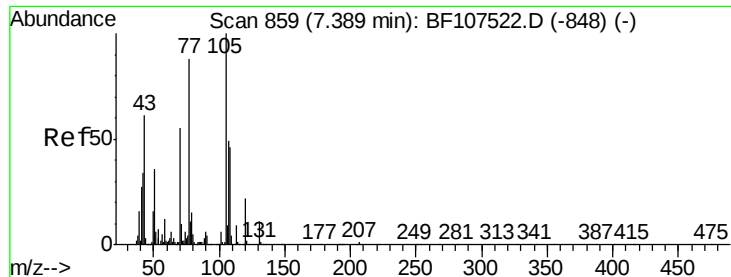
#18  
Hexachloroethane  
Concen: 36.600 ng  
RT: 7.47 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:117 Resp: 169296  
Ion Ratio Lower Upper  
117 100  
119 99.5 75.8 113.8  
201 97.5 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

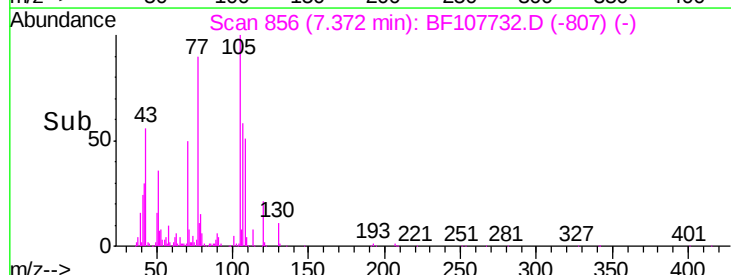
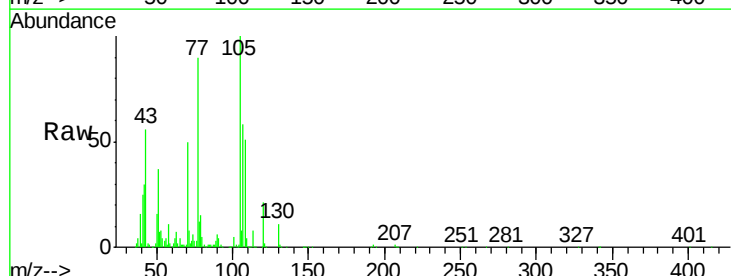
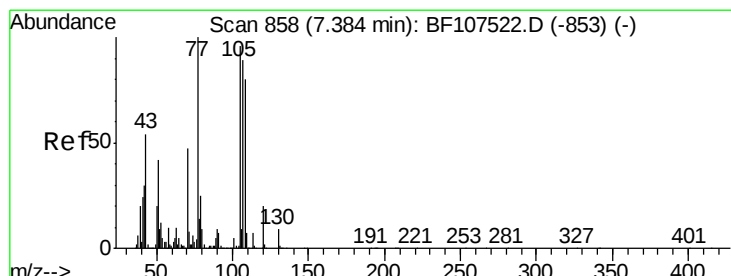
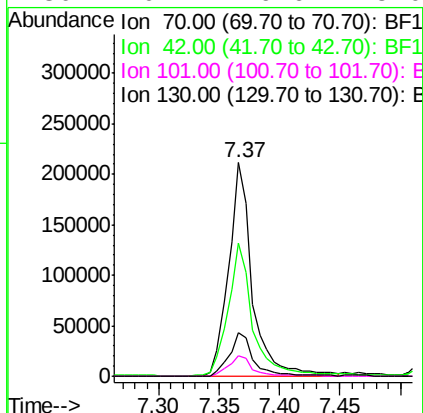




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.386 ng  
RT: 7.37 min Scan# 855  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

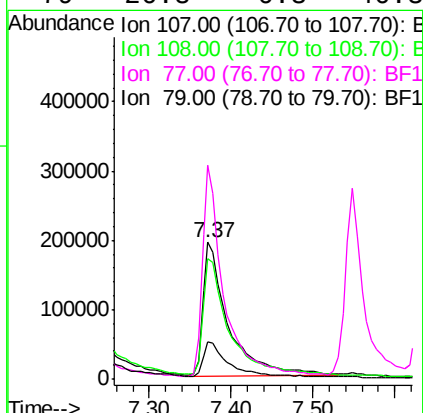
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

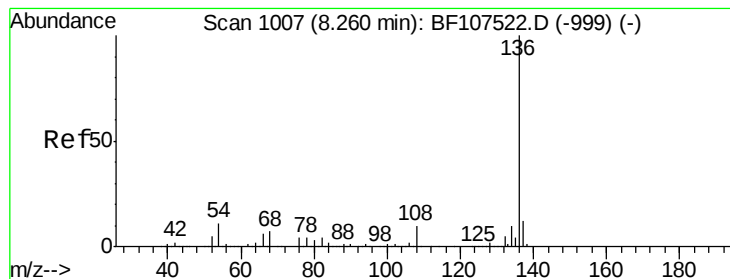
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 290753 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 62.1  | 47.5  | 71.3   |
| 101      | 9.4   | 7.4   | 11.2   |
| 130      | 20.7  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 36.560 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 418741 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.4  | 68.2  | 108.2  |
| 77       | 156.2 | 26.7  | 66.7#  |
| 79       | 26.8  | 6.3   | 46.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

Tgt Ion:136 Resp: 685708

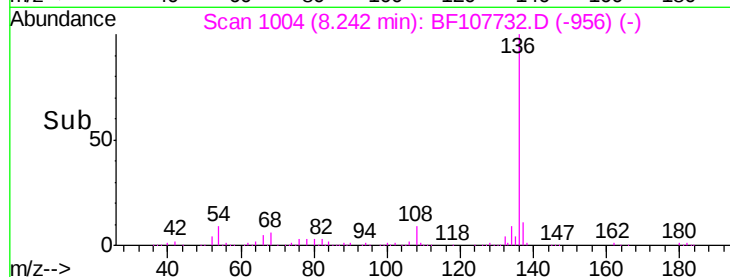
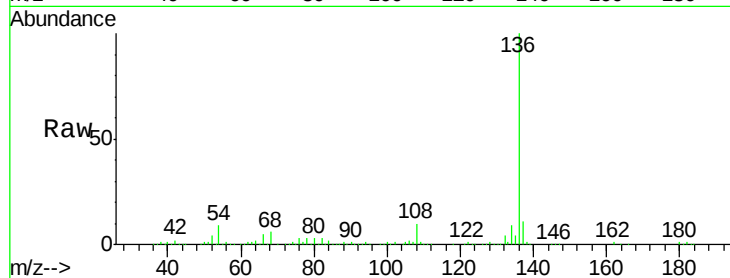
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 5.6 5.0 7.4



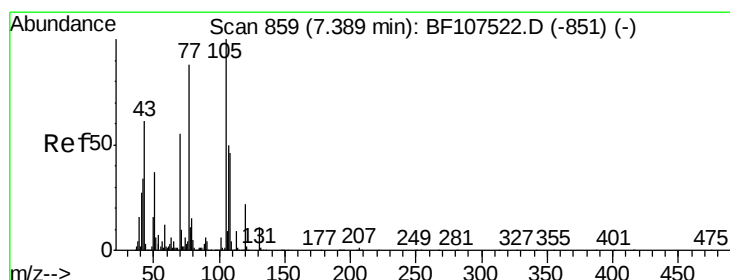
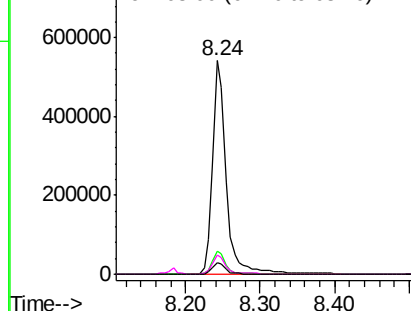
Abundance

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: 38.994 ng

RT: 7.37 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Tgt Ion:105 Resp: 627957

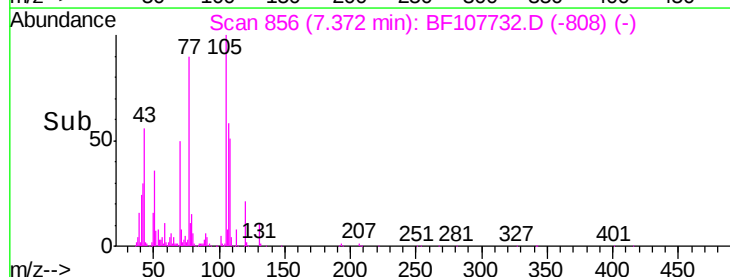
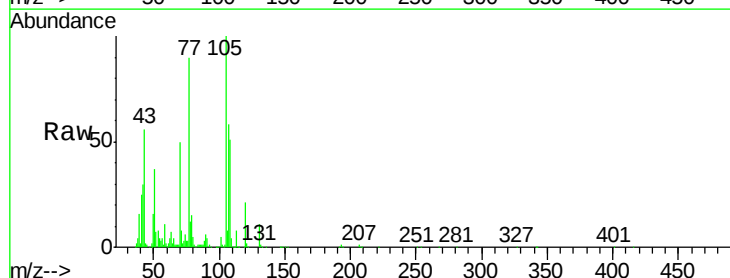
Ion Ratio Lower Upper

105 100

71 8.4 4.4 6.6#

51 36.6 22.3 33.5#

120 20.7 16.9 25.3



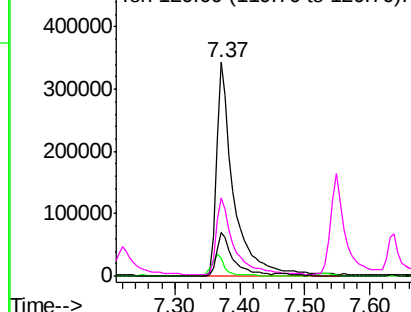
Abundance

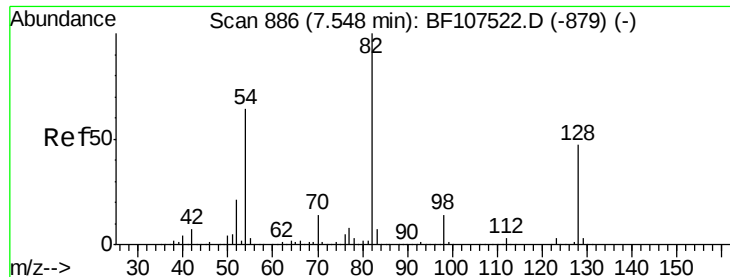
Ion 105.00 (104.70 to 105.70): E

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

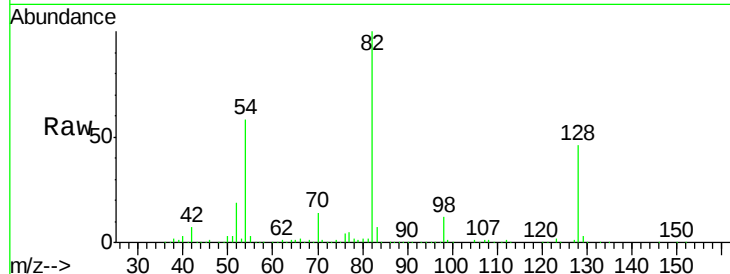




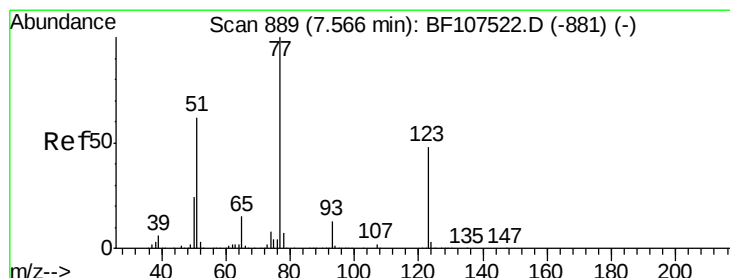
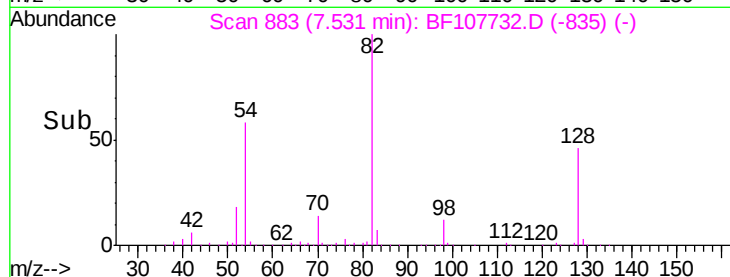
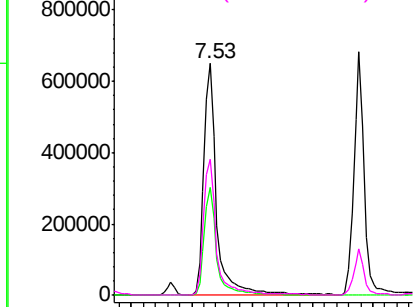
#23  
 Nitrobenzene-d5  
 Concen: 96.297 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

Tgt Ion: 82 Resp: 978427  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 36.1 54.1  
 54 58.5 41.4 62.2

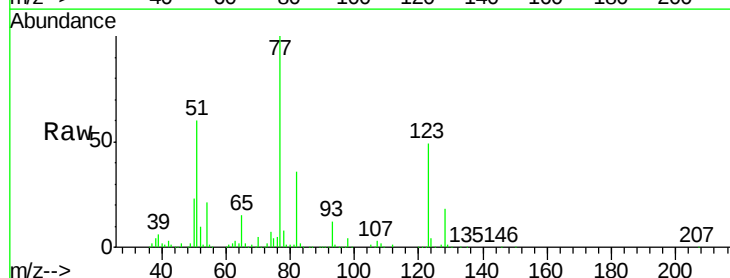


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

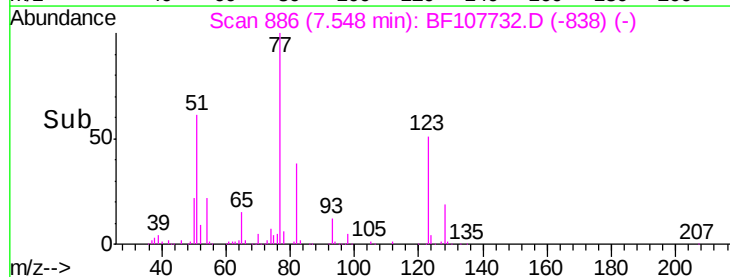
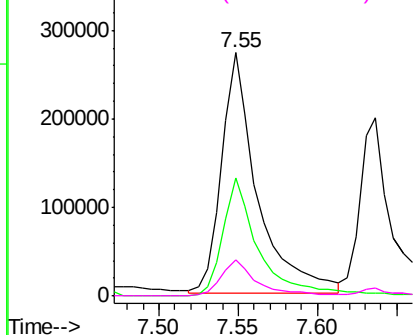


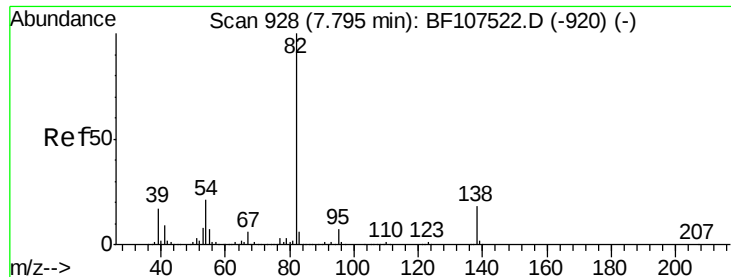
#24  
 Nitrobenzene  
 Concen: 36.191 ng  
 RT: 7.55 min Scan# 886  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion: 77 Resp: 421171  
 Ion Ratio Lower Upper  
 77 100  
 123 48.5 37.9 56.9  
 65 15.2 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 37.412 ng

RT: 7.78 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

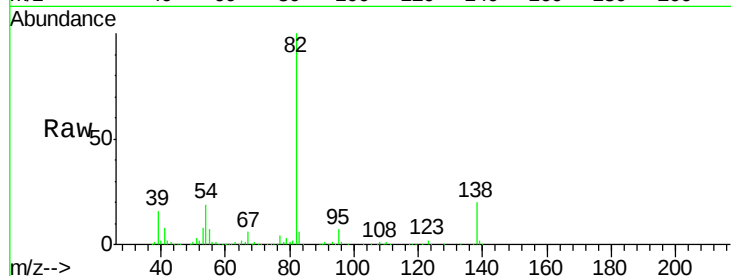
Tgt Ion: 82 Resp: 811640

Ion Ratio Lower Upper

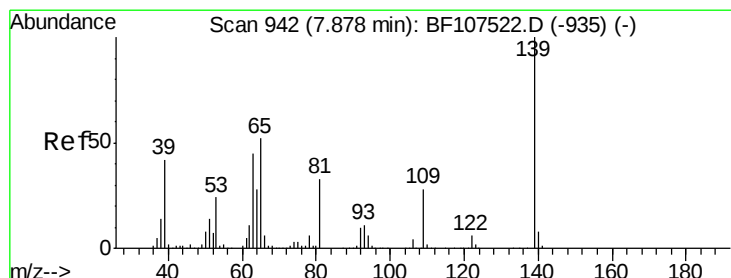
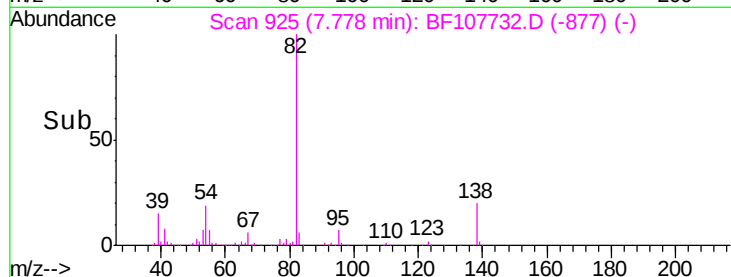
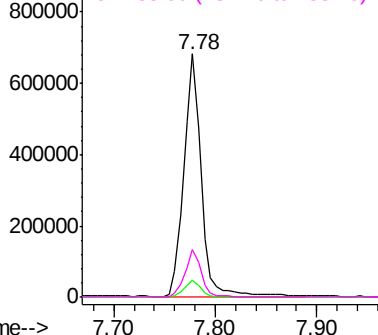
82 100

95 6.8 5.2 7.8

138 19.5 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: 50.488 ng

RT: 7.87 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

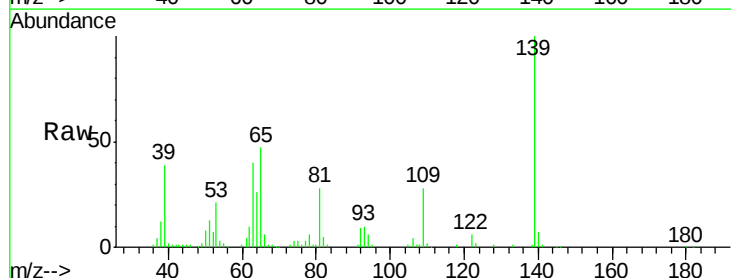
Tgt Ion: 139 Resp: 248119

Ion Ratio Lower Upper

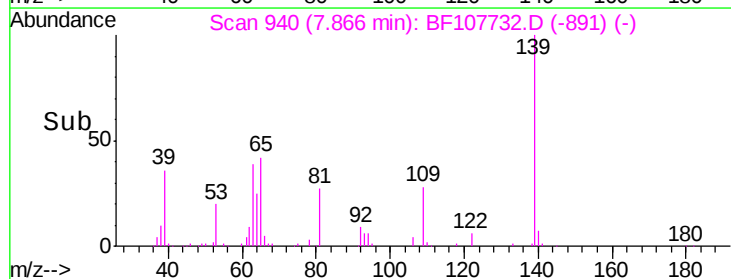
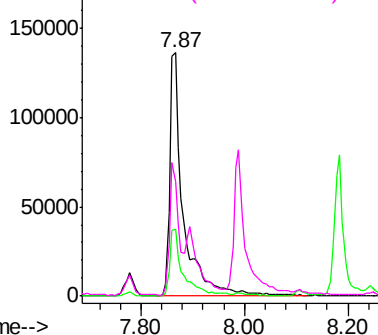
139 100

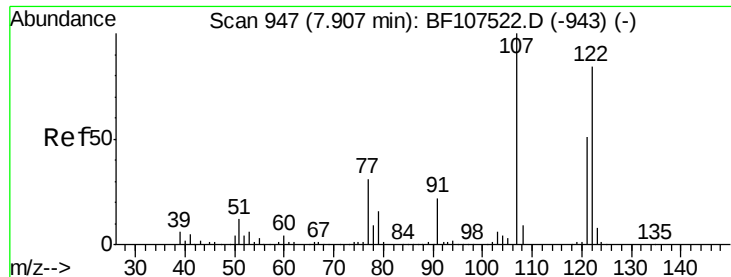
109 27.5 22.7 34.1

65 47.1 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

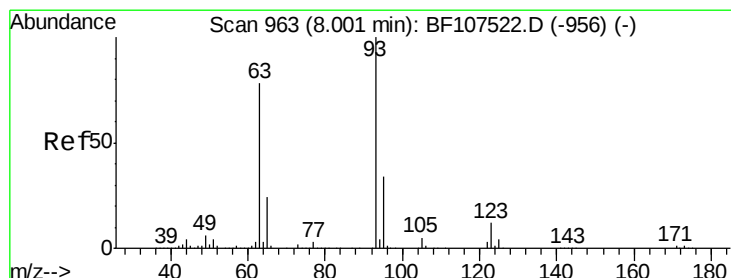
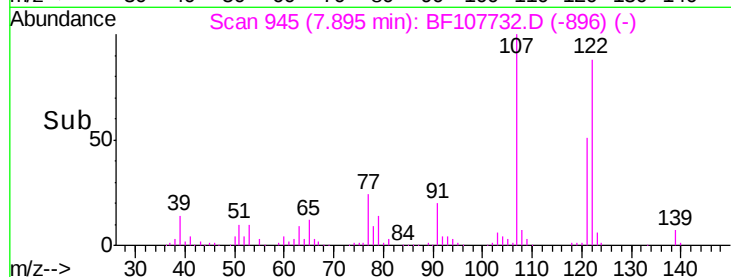
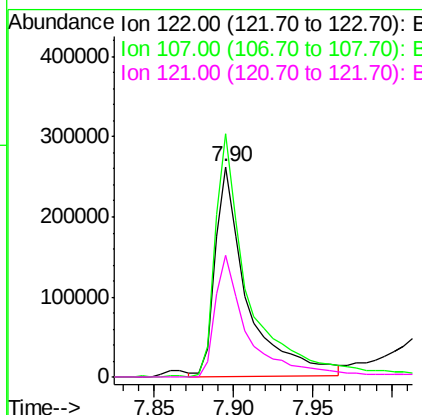
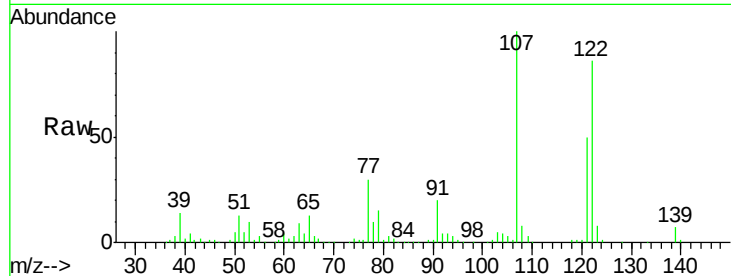




#27  
2,4-Dimethylphenol  
Concen: 39.560 ng  
RT: 7.90 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

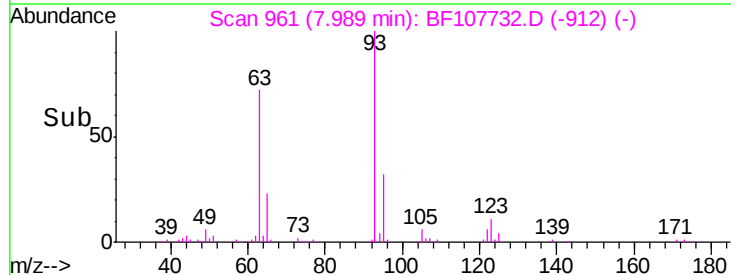
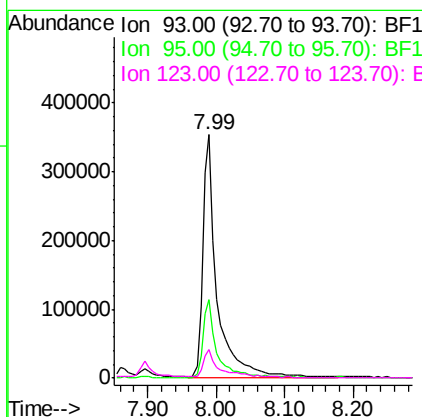
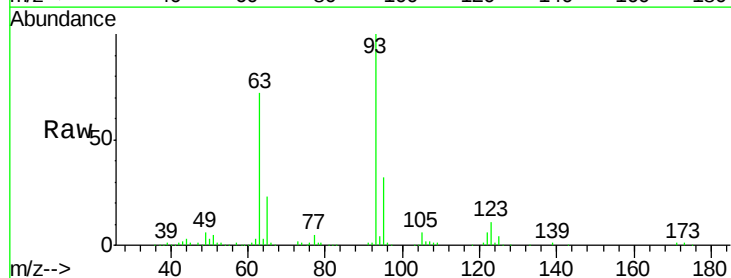
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

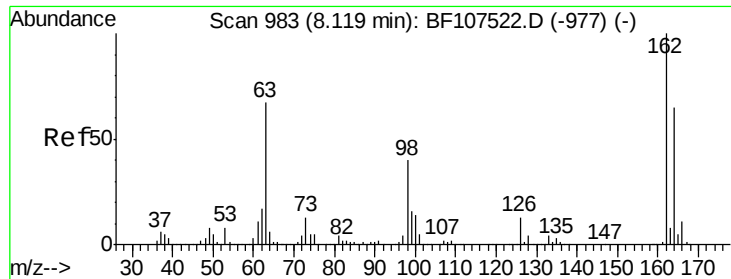
Tgt Ion:122 Resp: 368001  
Ion Ratio Lower Upper  
122 100  
107 115.7 91.2 136.8  
121 57.9 47.2 70.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 35.813 ng  
RT: 7.99 min Scan# 961  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion: 93 Resp: 519228  
Ion Ratio Lower Upper  
93 100  
95 32.0 26.3 39.5  
123 11.5 9.8 14.6

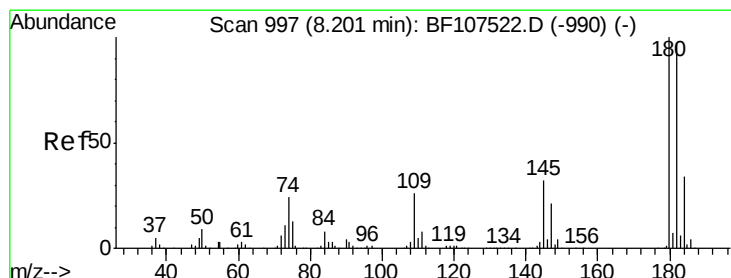
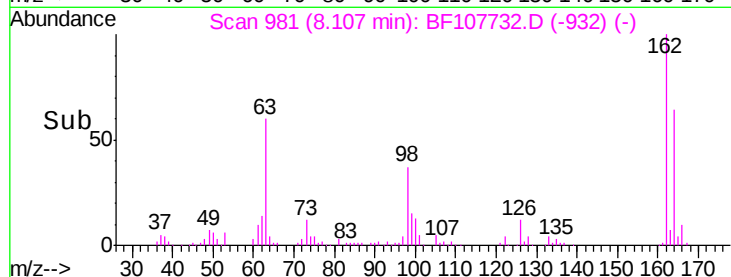
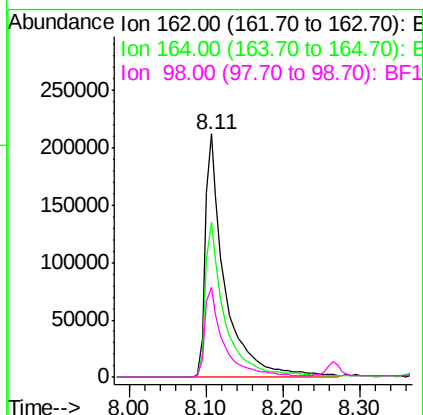
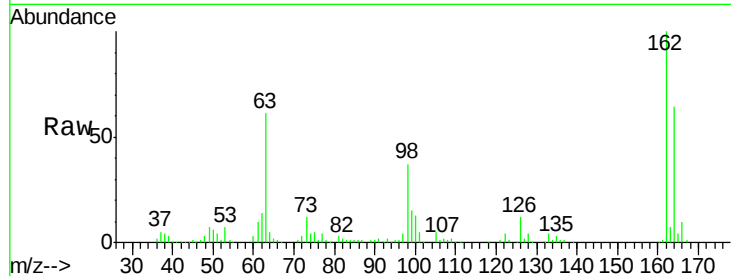




#29  
2,4-Dichlorophenol  
Concen: 39.162 ng  
RT: 8.11 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

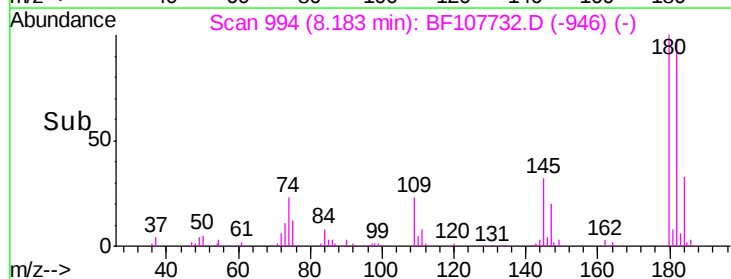
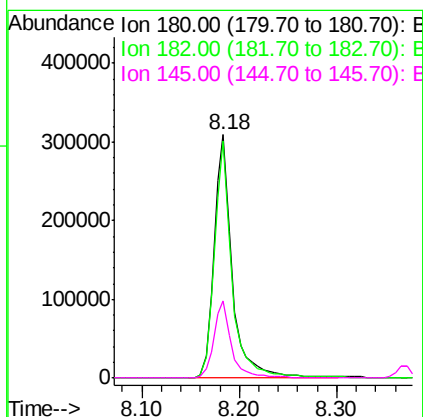
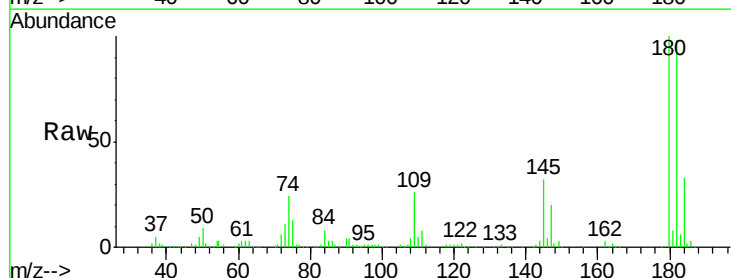
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

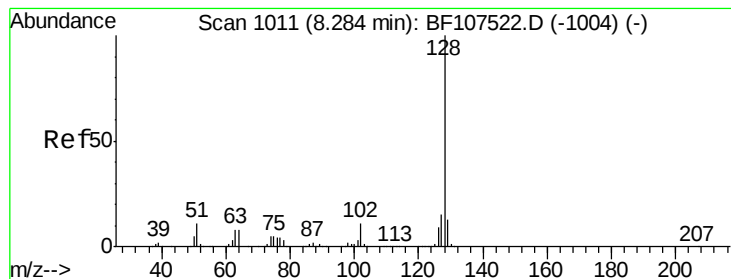
Tgt Ion:162 Resp: 372358  
Ion Ratio Lower Upper  
162 100  
164 63.8 42.7 82.7  
98 36.8 18.1 58.1



#30  
1,2,4-Trichlorobenzene  
Concen: 37.210 ng  
RT: 8.18 min Scan# 994  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:180 Resp: 397371  
Ion Ratio Lower Upper  
180 100  
182 97.7 76.8 115.2  
145 31.5 26.5 39.7





#31

Naphthalene

Concen: 42.814 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

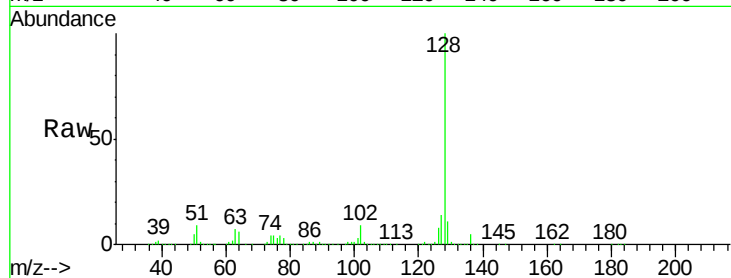
Tgt Ion:128 Resp: 1290985

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

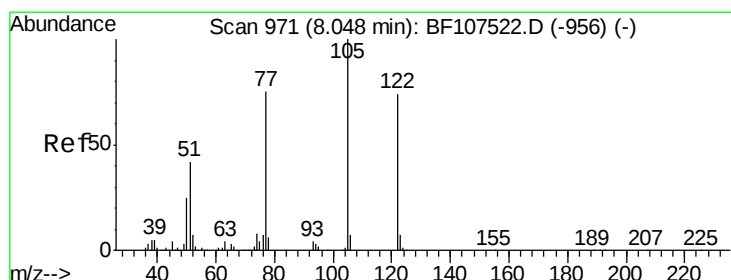
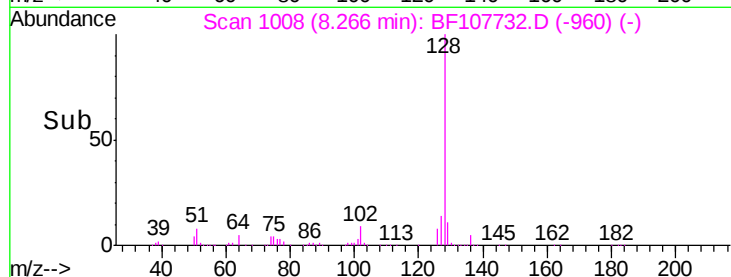
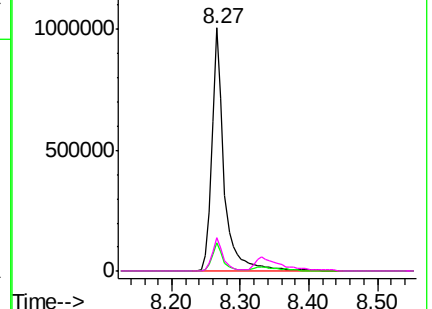
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.730 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

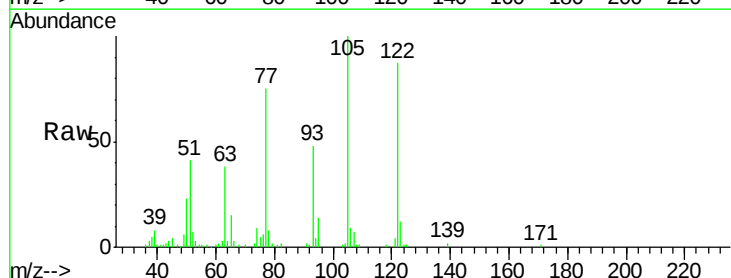
Tgt Ion:122 Resp: 208569

Ion Ratio Lower Upper

122 100

105 115.2 101.1 141.1

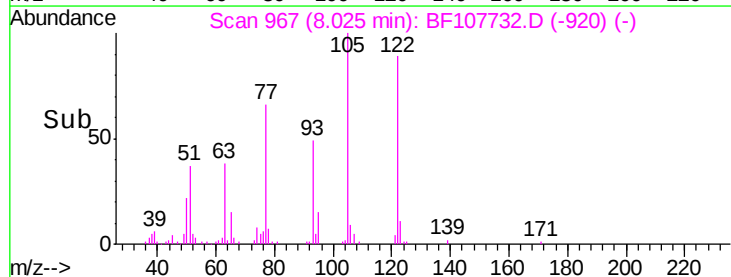
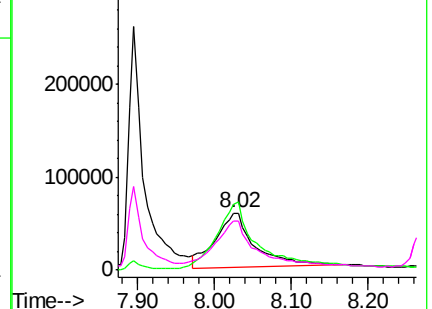
77 86.9 70.7 110.7

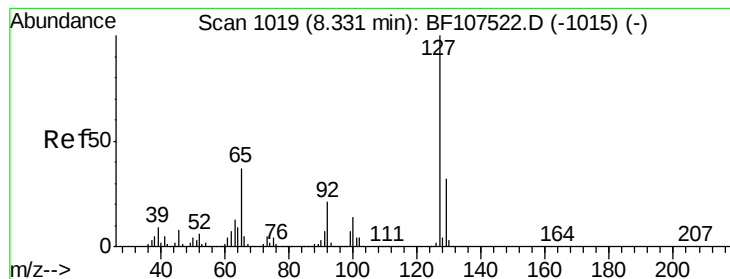


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 12.617 ng

RT: 8.33 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

Tgt Ion:127 Resp: 166291

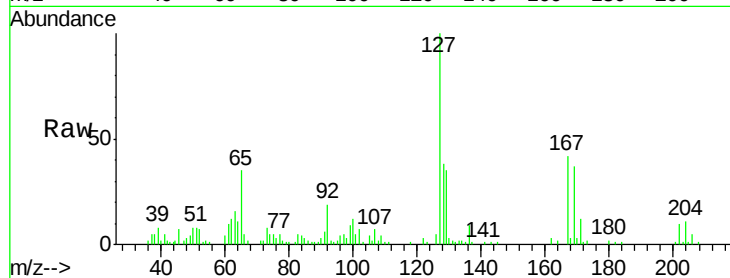
Ion Ratio Lower Upper

127 100

129 35.0 25.9 38.9

65 34.5 25.0 37.4

92 19.2 15.2 22.8

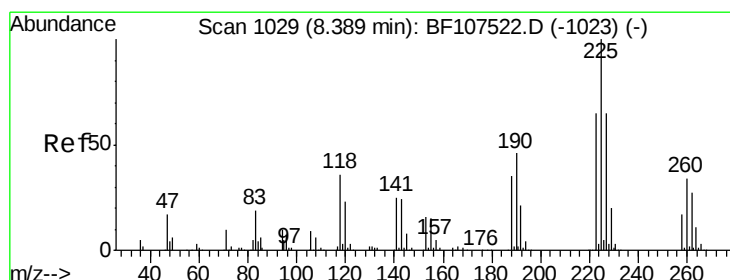
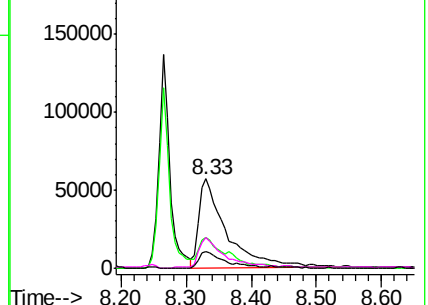
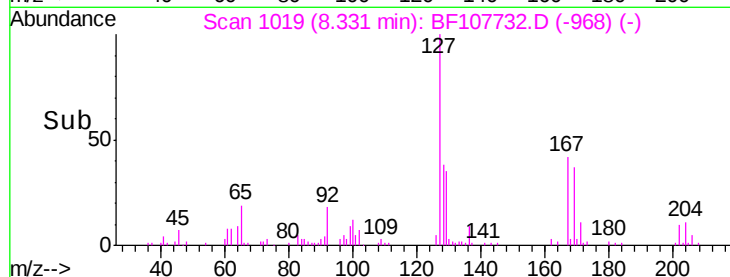


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 37.452 ng

RT: 8.37 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

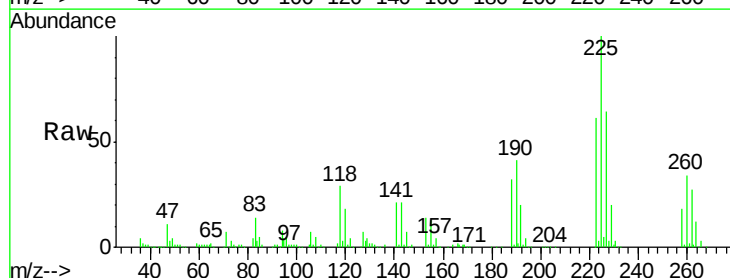
Tgt Ion:225 Resp: 237654

Ion Ratio Lower Upper

225 100

223 61.5 50.6 76.0

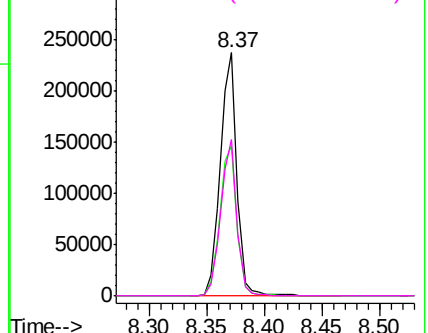
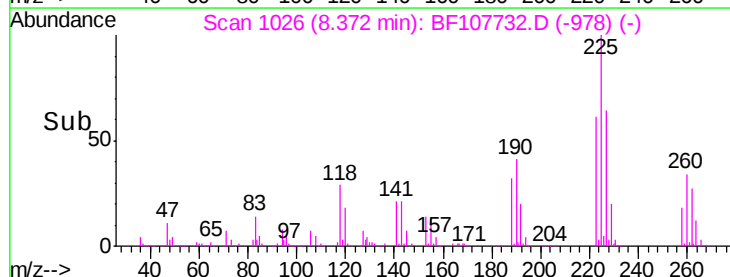
227 64.2 51.9 77.9

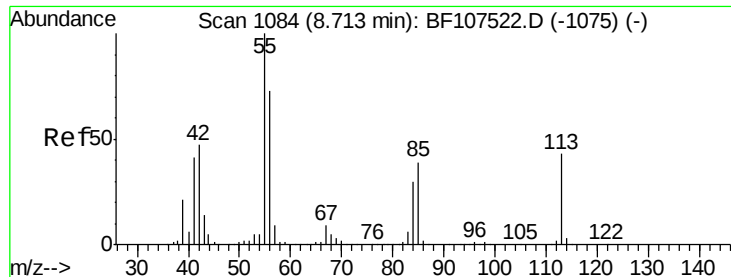


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

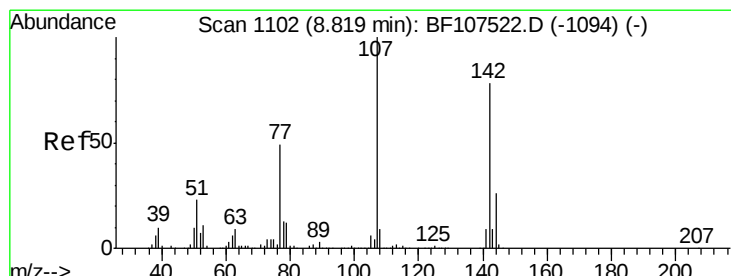
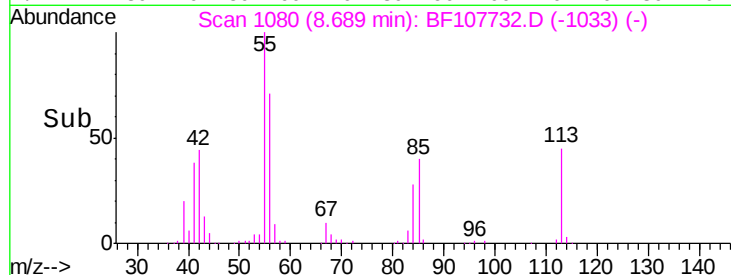
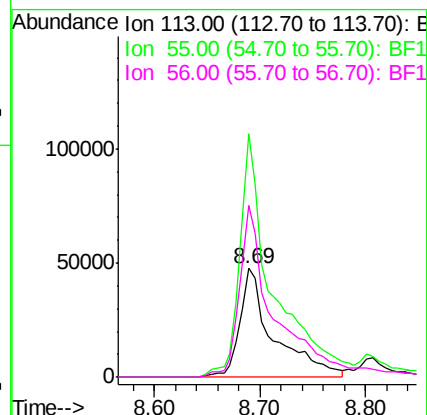
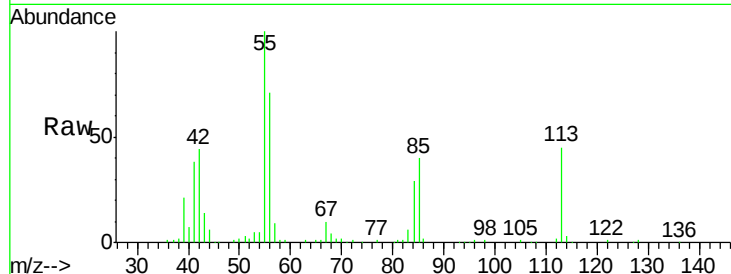




#35  
 Caprolactam  
 Concen: 34.148 ng  
 RT: 8.69 min Scan# 1080  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

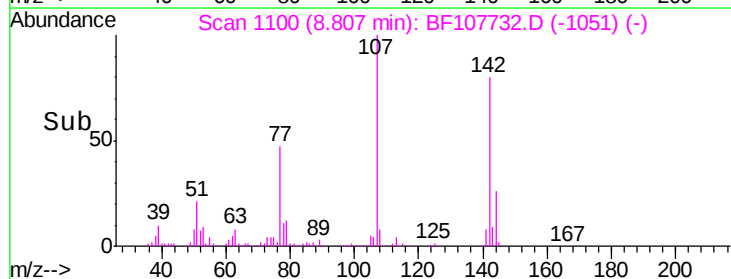
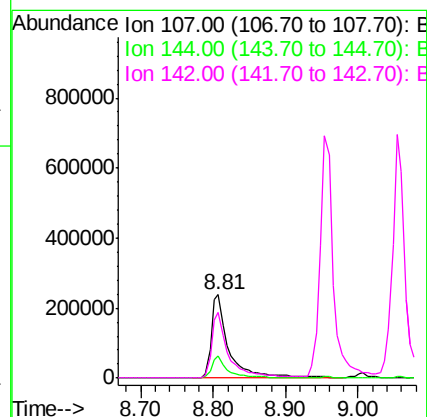
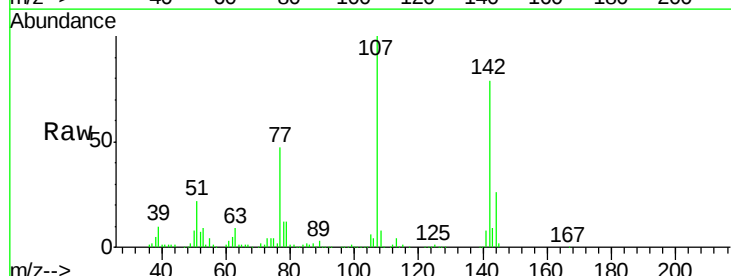
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

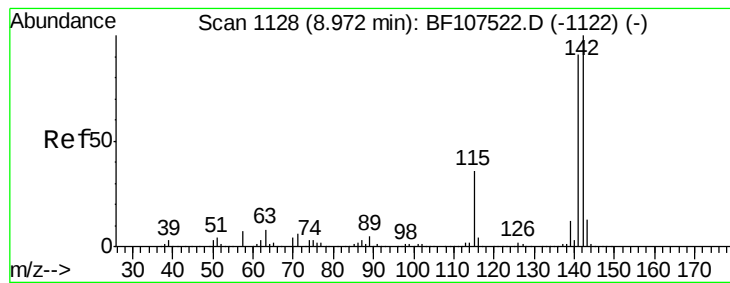
Tgt Ion:113 Resp: 105605  
 Ion Ratio Lower Upper  
 113 100  
 55 223.7 163.3 203.3#  
 56 158.2 115.7 155.7#



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.105 ng  
 RT: 8.81 min Scan# 1100  
 Delta R.T. -0.01 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:107 Resp: 402462  
 Ion Ratio Lower Upper  
 107 100  
 144 26.2 20.5 30.7  
 142 79.3 62.0 93.0

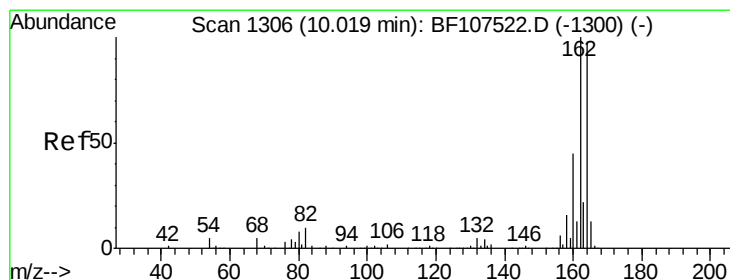
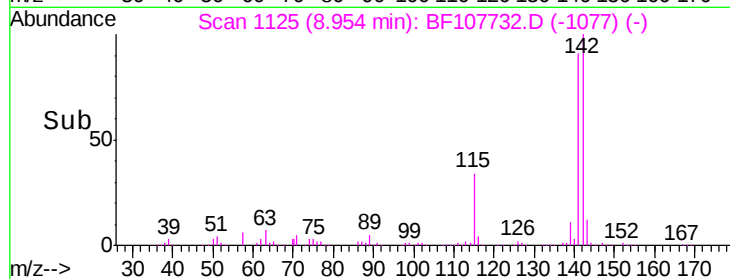
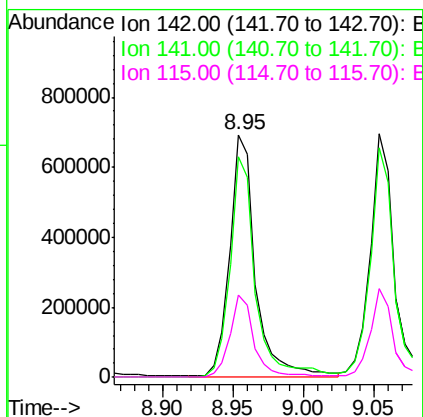
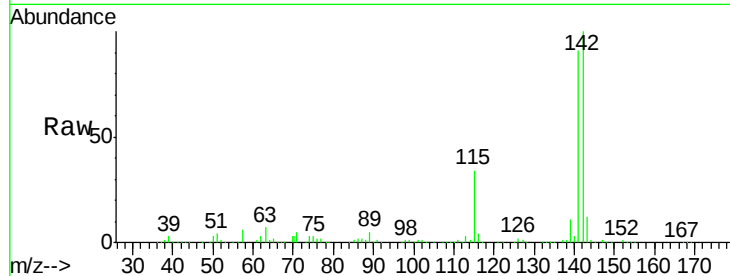




#37  
 2-Methylnaphthalene  
 Concen: 42.239 ng  
 RT: 8.95 min Scan# 1125  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

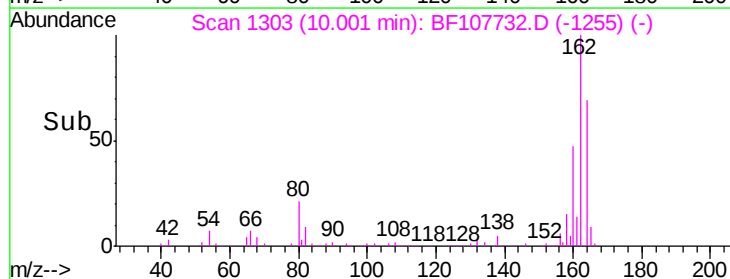
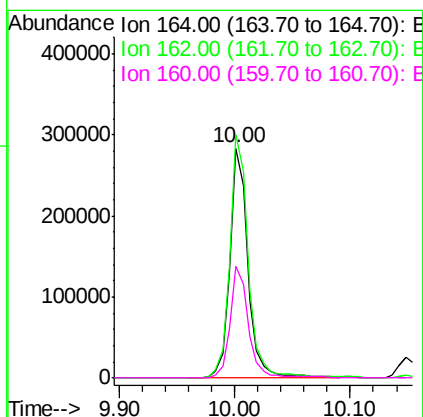
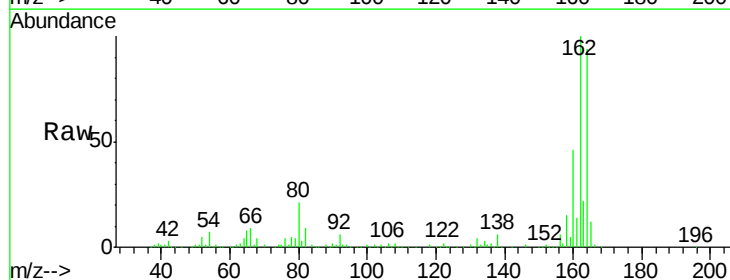
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

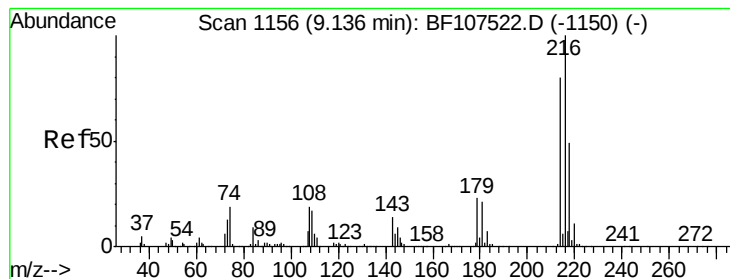
Tgt Ion:142 Resp: 882580  
 Ion Ratio Lower Upper  
 142 100  
 141 91.0 70.8 106.2  
 115 34.0 26.1 39.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:164 Resp: 308507  
 Ion Ratio Lower Upper  
 164 100  
 162 105.9 86.1 129.1  
 160 48.4 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.341 ng

RT: 9.12 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

Tgt Ion:216 Resp: 425402

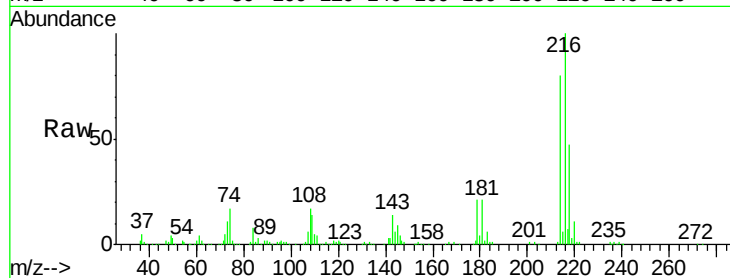
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 20.5 18.1 27.1

108 17.3 17.2 25.8

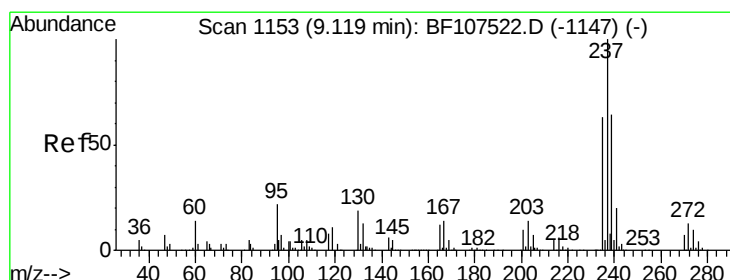
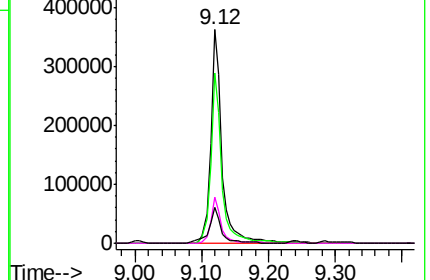
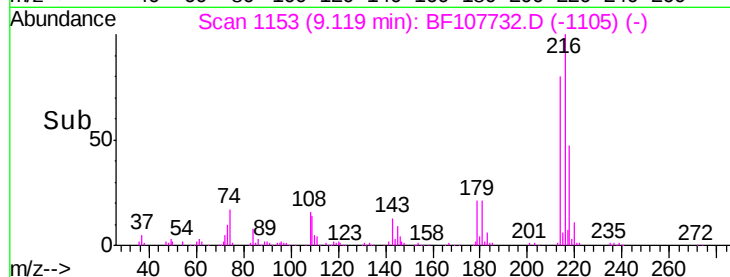


Abundance Ion 216.00 (215.70 to 216.70): E

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: 43.707 ng

RT: 9.10 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

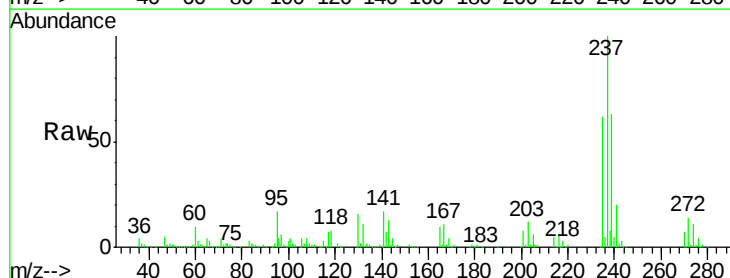
Tgt Ion:237 Resp: 228626

Ion Ratio Lower Upper

237 100

235 61.6 44.8 84.8

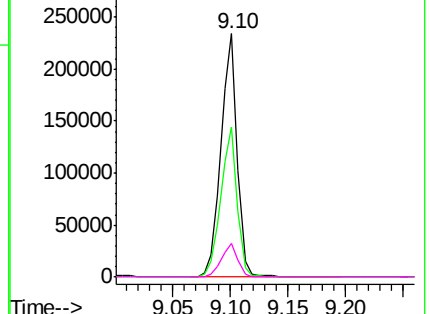
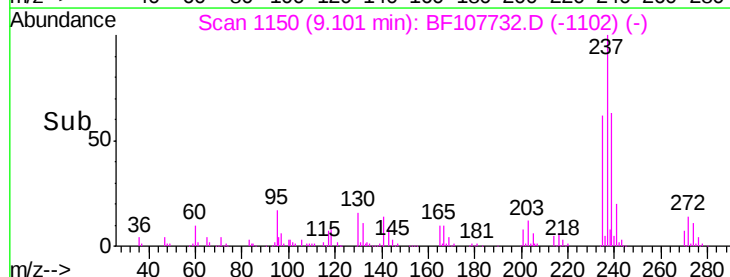
272 13.6 0.0 33.3

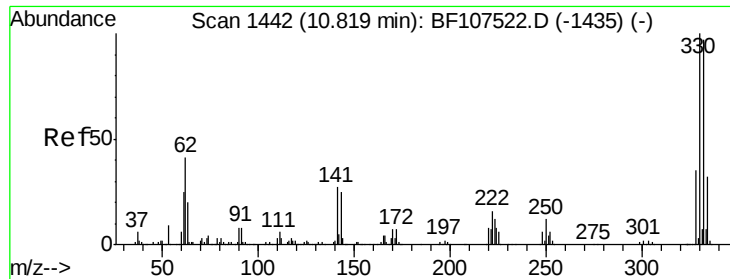


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

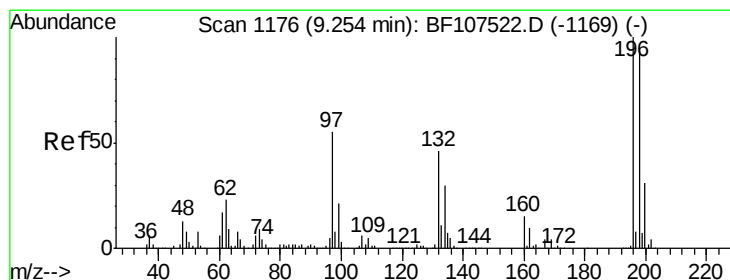
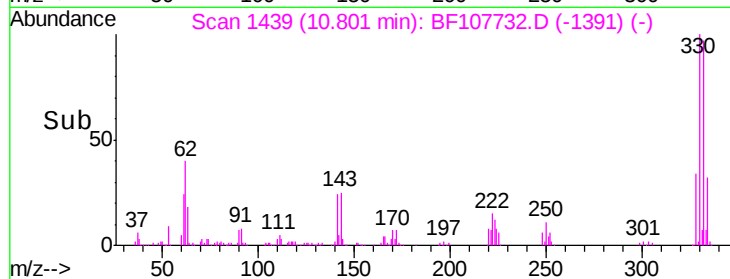
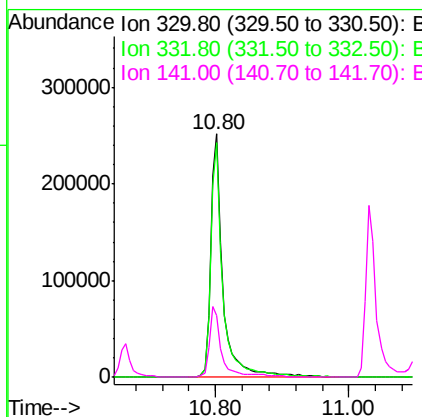
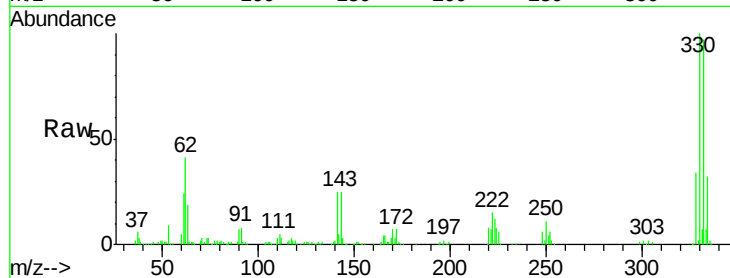




#41  
 2,4,6-Tribromophenol  
 Concen: 92.587 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

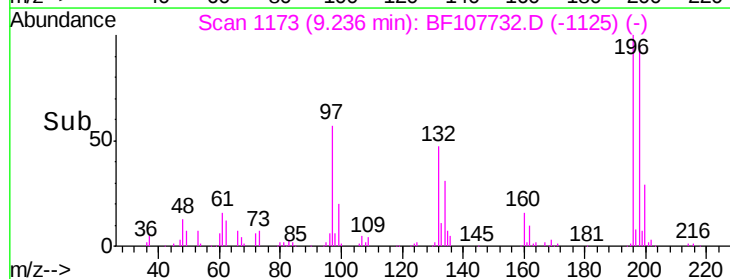
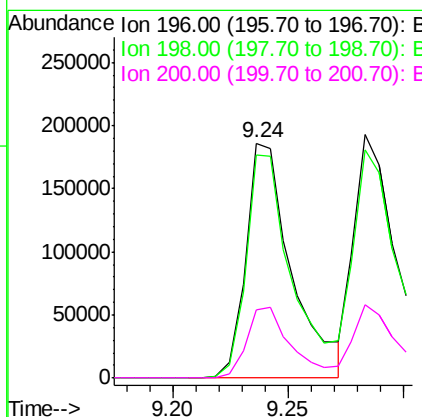
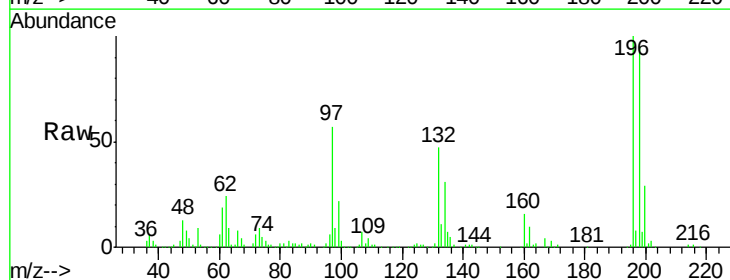
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

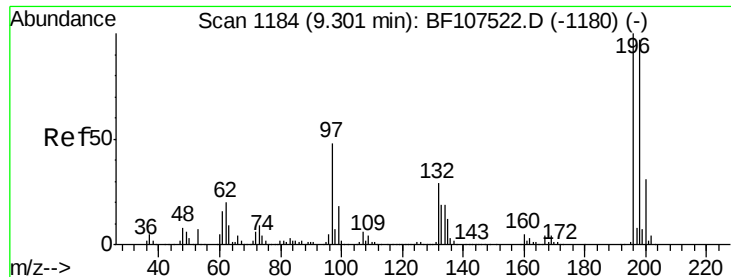
Tgt Ion:330 Resp: 324815  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.0 115.6  
 141 26.9 29.9 44.9#



#42  
 2,4,6-Trichlorophenol  
 Concen: 39.135 ng  
 RT: 9.24 min Scan# 1173  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:196 Resp: 257761  
 Ion Ratio Lower Upper  
 196 100  
 198 94.7 75.7 113.5  
 200 28.9 24.5 36.7

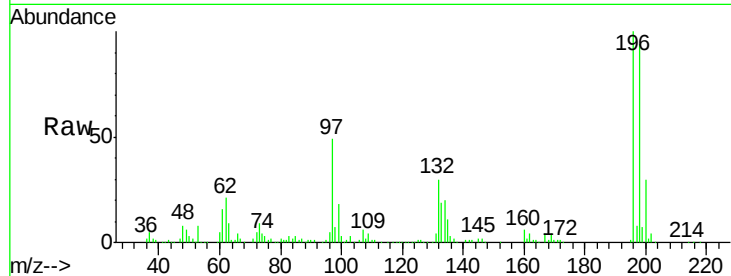




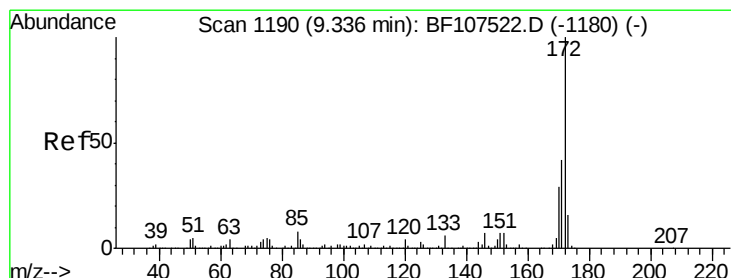
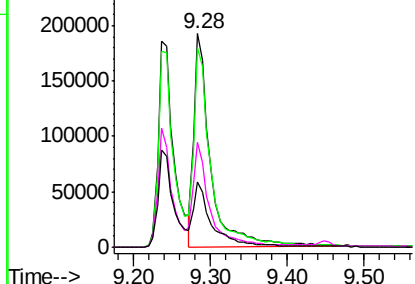
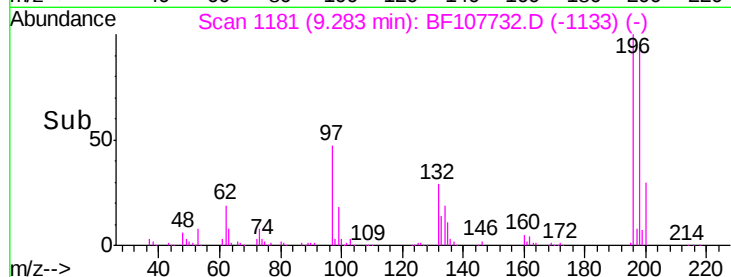
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.380 ng  
 RT: 9.28 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

Tgt Ion:196 Resp: 291738  
 Ion Ratio Lower Upper  
 196 100  
 198 93.8 74.6 112.0  
 97 49.3 42.9 64.3  
 132 30.5 26.3 39.5

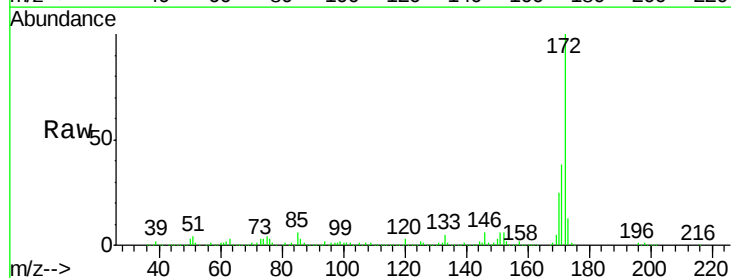


Abundance Ion 196.00 (195.70 to 196.70): E  
 300000  
 Ion 198.00 (197.70 to 198.70): E  
 250000  
 Ion 97.00 (96.70 to 97.70): BF1  
 200000  
 Ion 132.00 (131.70 to 132.70): E  
 150000  
 100000  
 50000  
 0

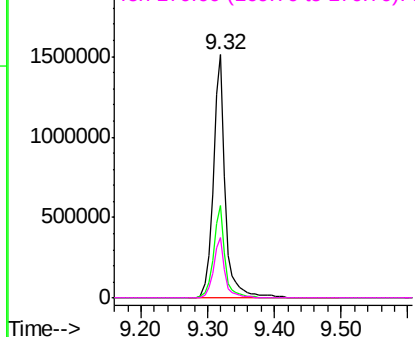
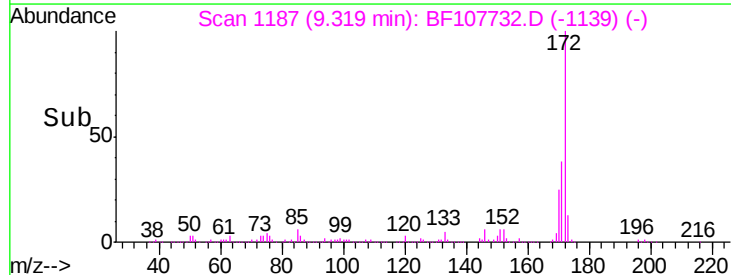


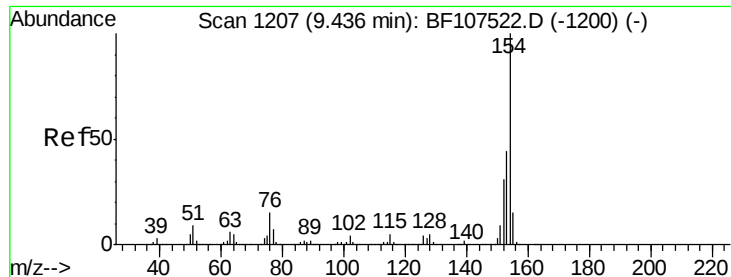
#44  
 2-Fluorobiphenyl  
 Concen: 118.073 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:172 Resp: 1915377  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 29.7 44.5  
 170 25.0 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 2000000  
 Ion 171.00 (170.70 to 171.70): E  
 1500000  
 Ion 170.00 (169.70 to 170.70): E  
 1000000  
 500000  
 0

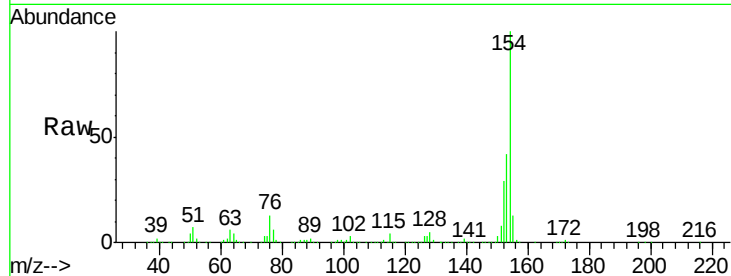




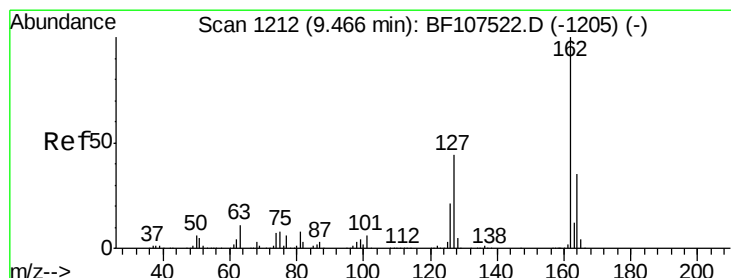
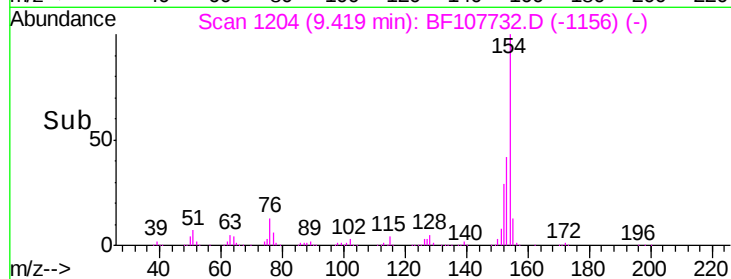
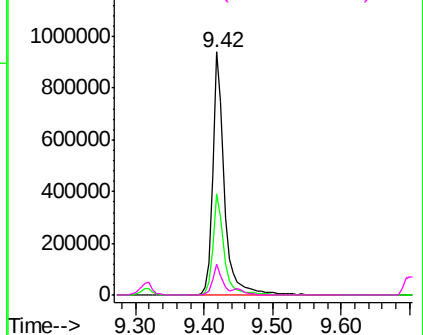
#45  
 1,1'-Biphenyl  
 Concen: 41.148 ng  
 RT: 9.42 min Scan# 1204  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

Tgt Ion:154 Resp: 1105830  
 Ion Ratio Lower Upper  
 154 100  
 153 41.7 21.3 61.3  
 76 12.6 0.0 34.0

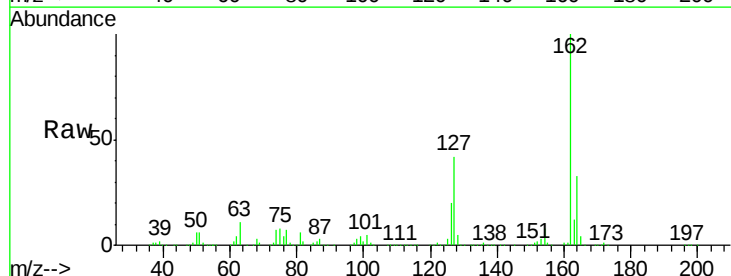


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

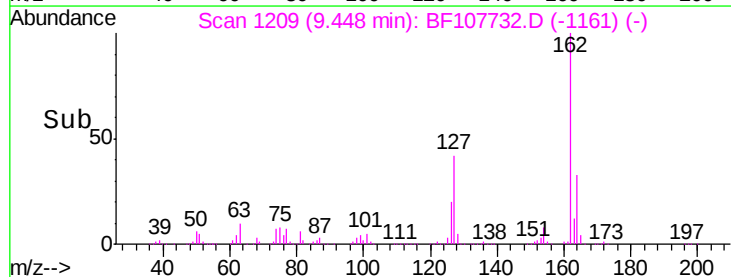
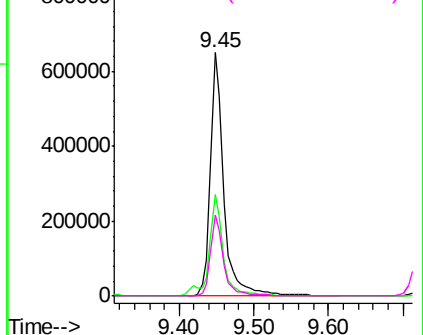


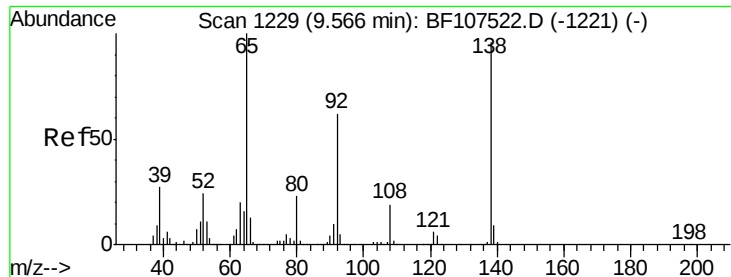
#46  
 2-Chloronaphthalene  
 Concen: 39.505 ng  
 RT: 9.45 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:162 Resp: 811523  
 Ion Ratio Lower Upper  
 162 100  
 127 41.8 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

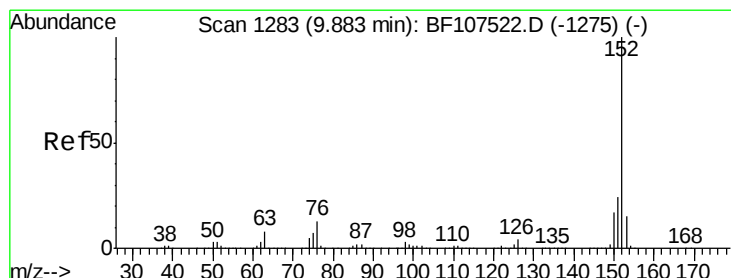
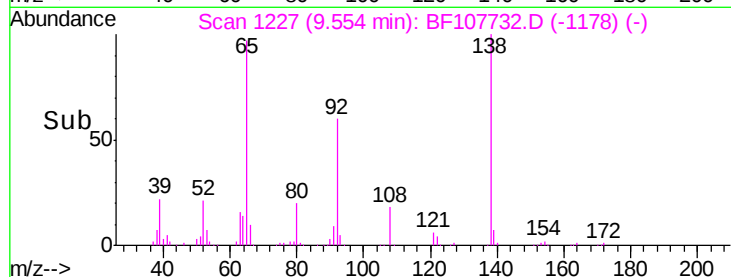
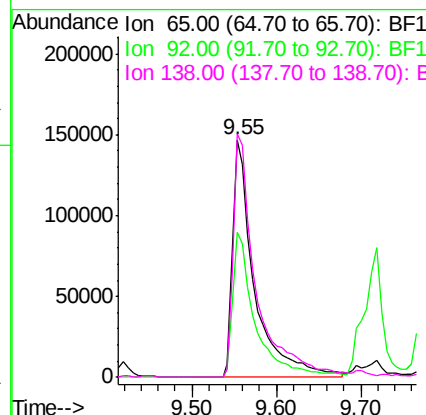
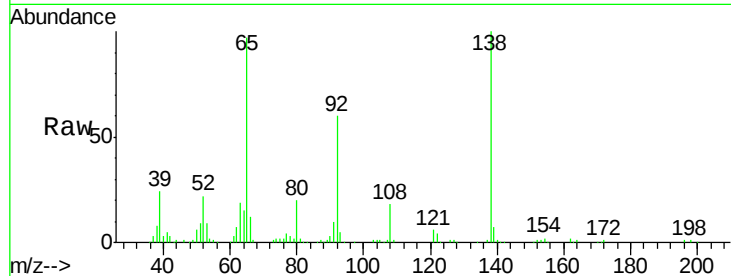




#47  
2-Nitroaniline  
Concen: 43.605 ng  
RT: 9.55 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

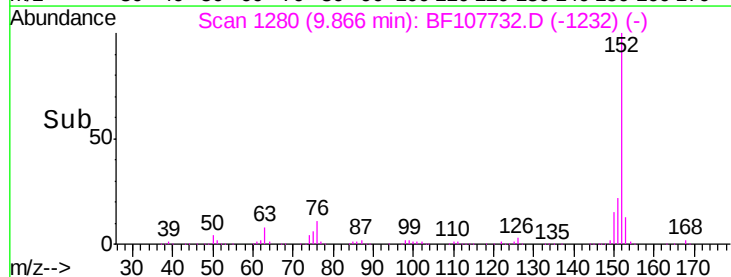
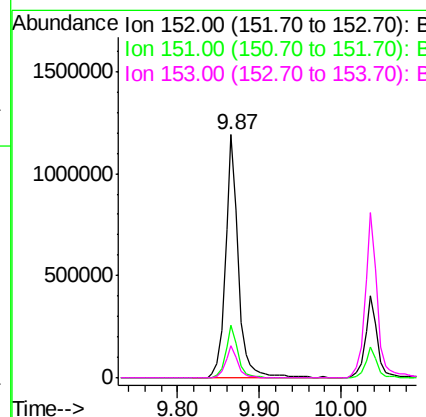
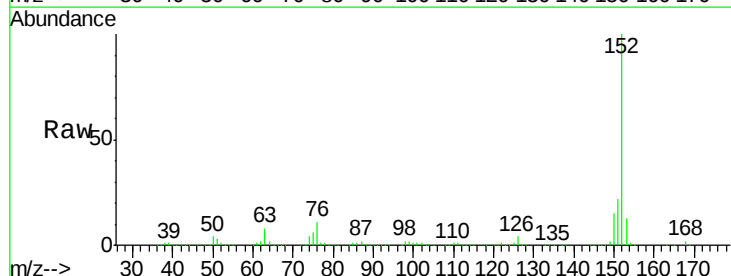
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

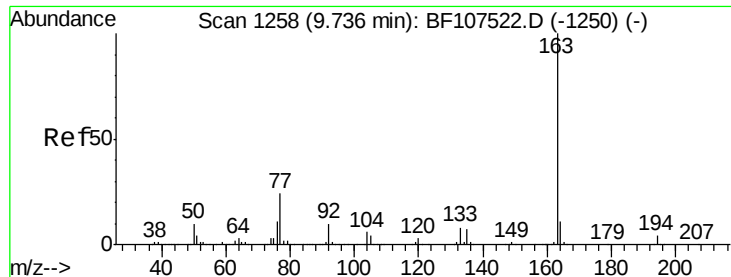
Tgt Ion: 65 Resp: 261140  
Ion Ratio Lower Upper  
65 100  
92 61.1 55.8 83.6  
138 102.6 91.2 136.8



#48  
Acenaphthylene  
Concen: 42.452 ng  
RT: 9.87 min Scan# 1280  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion: 152 Resp: 1309990  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.3 24.5  
153 13.5 10.7 16.1

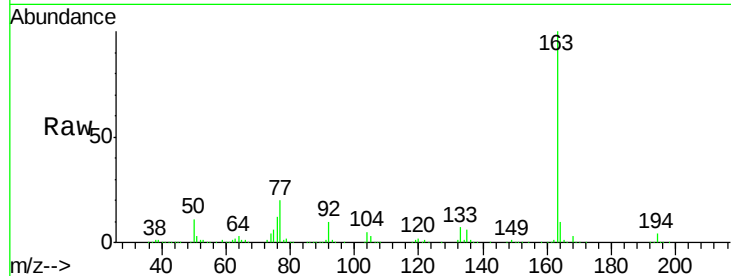




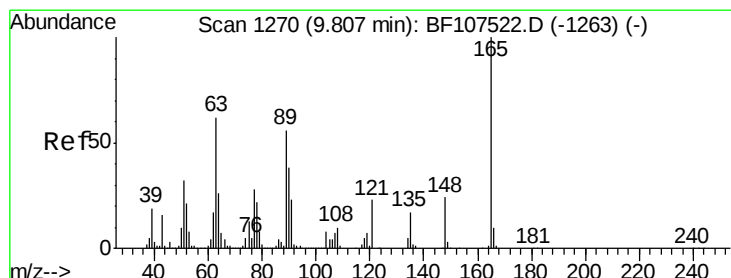
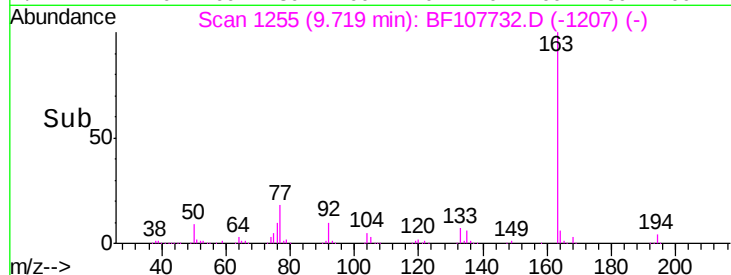
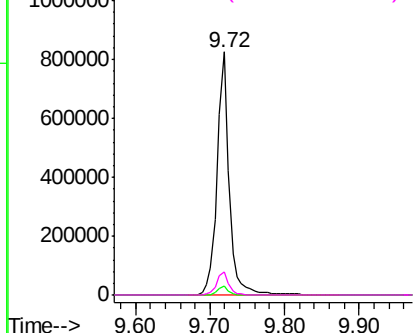
#49  
Dimethylphthalate  
Concen: 40.398 ng  
RT: 9.72 min Scan# 1255  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

Tgt Ion:163 Resp: 939300  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.9 8.2 12.2

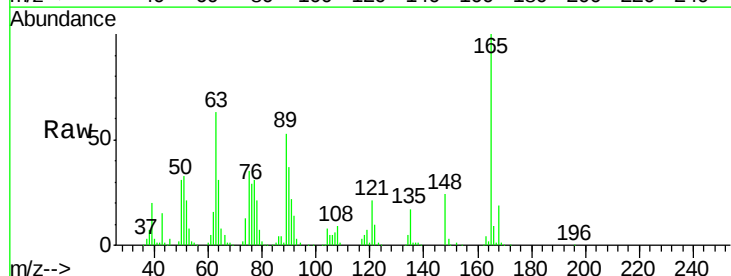


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

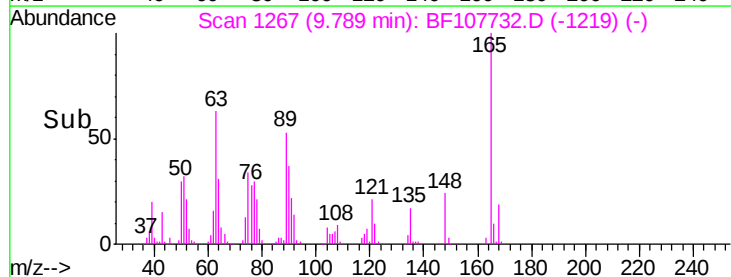
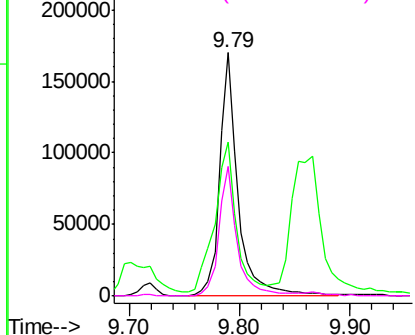


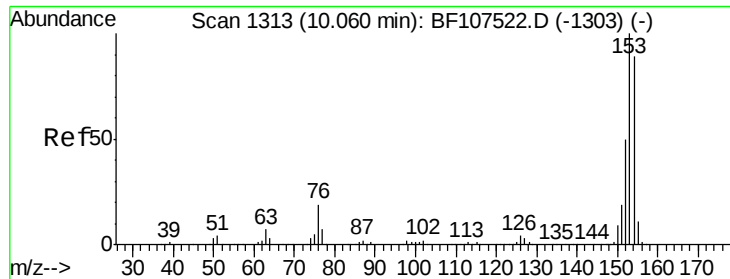
#50  
2,6-Dinitrotoluene  
Concen: 43.084 ng  
RT: 9.79 min Scan# 1267  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:165 Resp: 198887  
Ion Ratio Lower Upper  
165 100  
63 63.4 44.7 67.1  
89 53.2 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 37.280 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

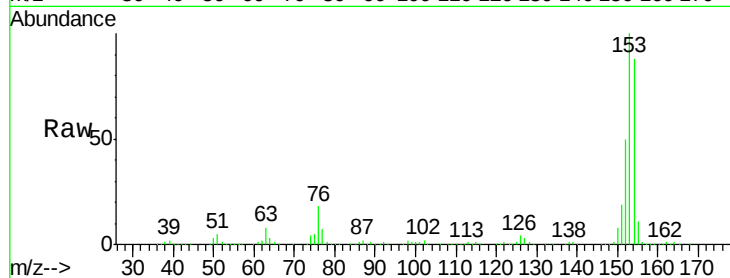
Tgt Ion:154 Resp: 720787

Ion Ratio Lower Upper

154 100

153 113.9 91.2 136.8

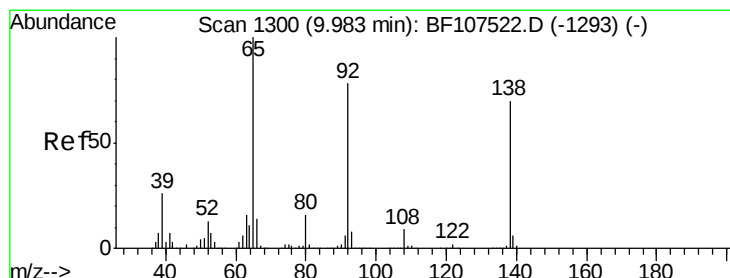
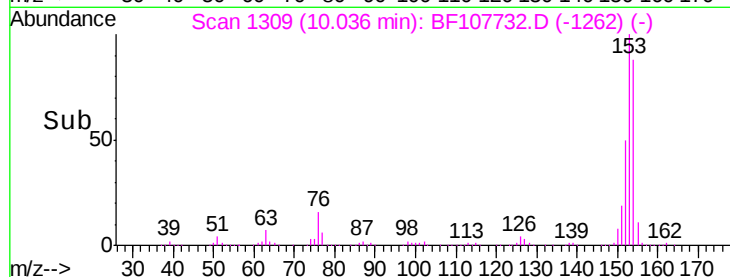
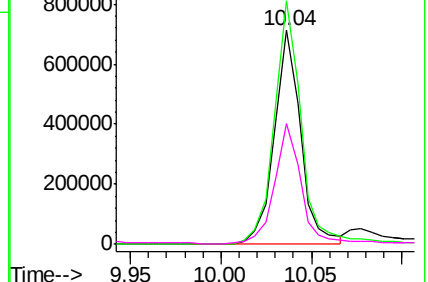
152 56.7 43.8 65.8



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: 20.419 ng

RT: 9.97 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

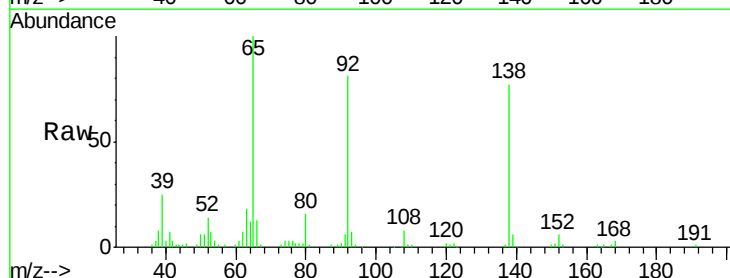
Tgt Ion:138 Resp: 114674

Ion Ratio Lower Upper

138 100

108 10.5 9.4 14.0

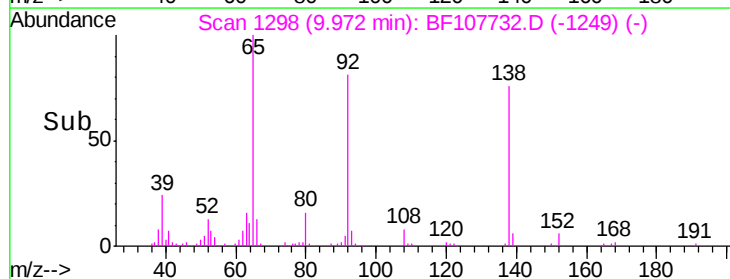
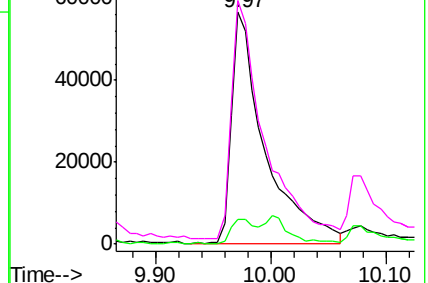
92 105.0 89.4 134.2

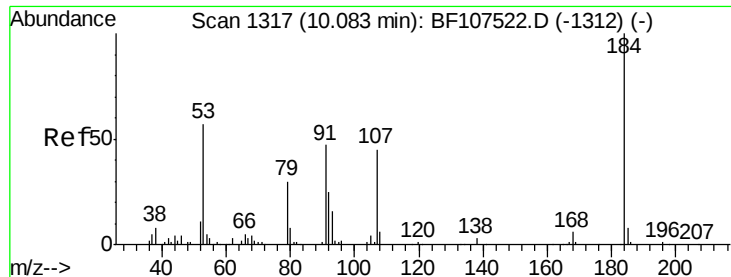


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

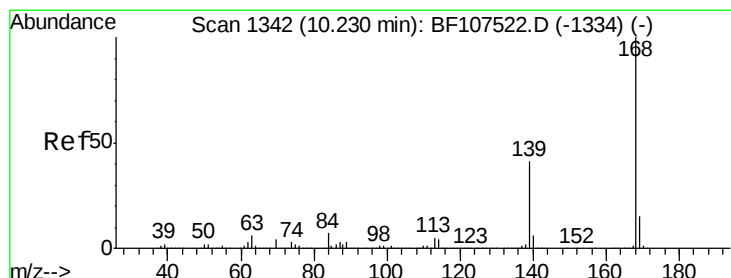
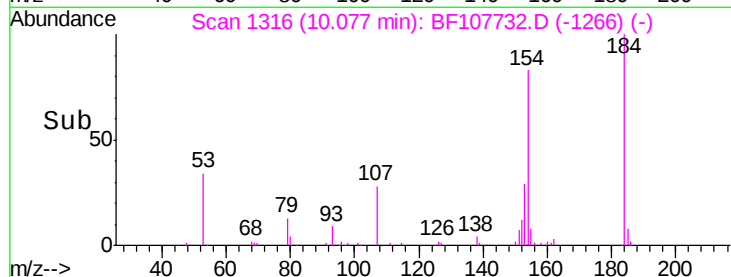
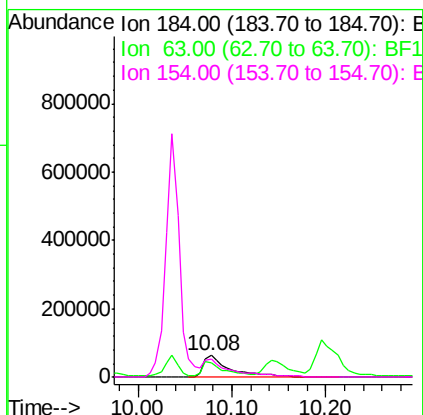
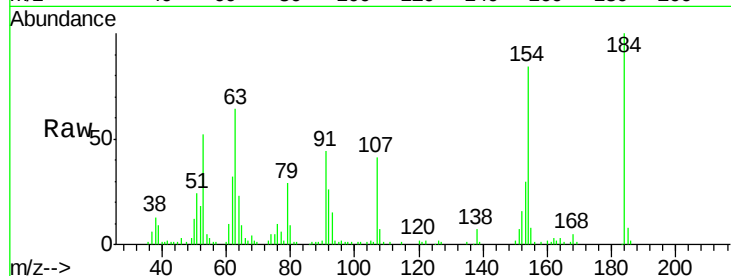




#53  
2,4-Dinitrophenol  
Concen: 66.836 ng  
RT: 10.08 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

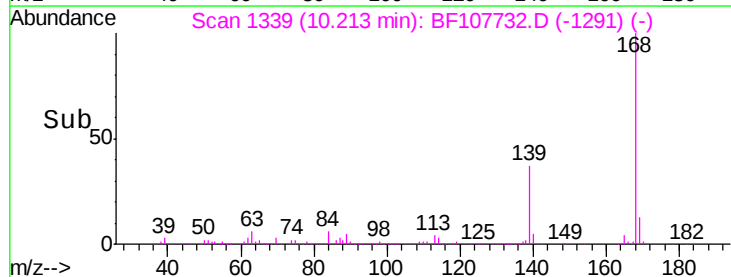
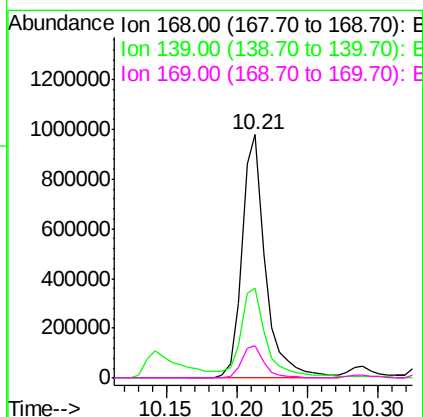
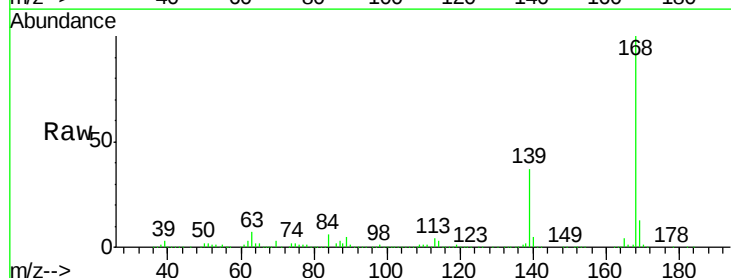
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

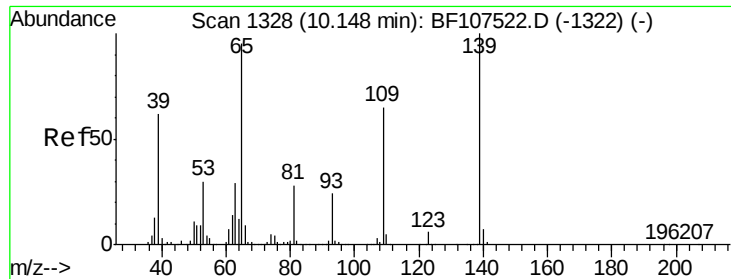
Tgt Ion:184 Resp: 132967  
Ion Ratio Lower Upper  
184 100  
63 63.7 54.2 81.2  
154 84.0 184.0 276.0#



#54  
Dibenzofuran  
Concen: 39.871 ng  
RT: 10.21 min Scan# 1339  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:168 Resp: 1134902  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.1 45.1  
169 13.2 10.9 16.3

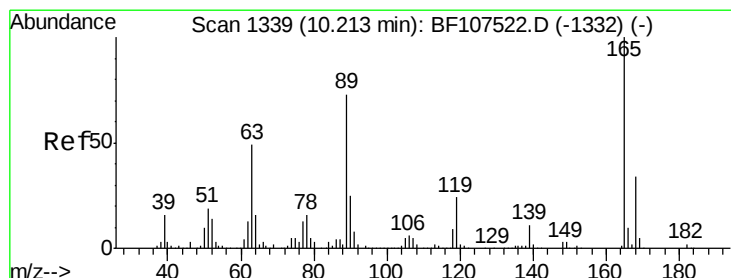
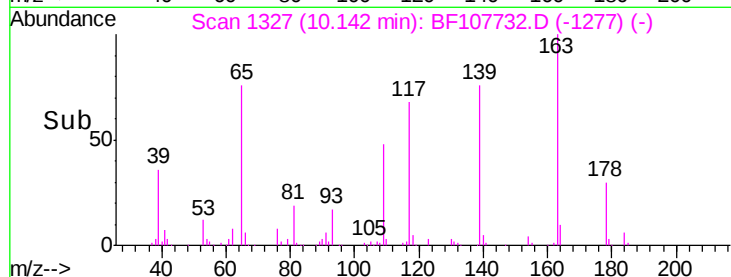
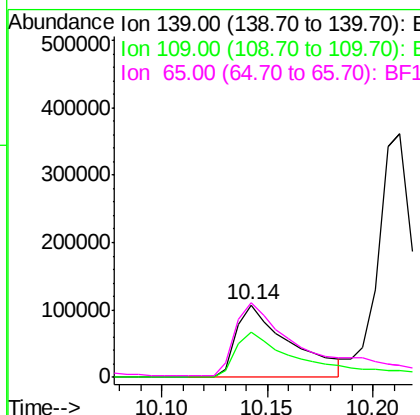
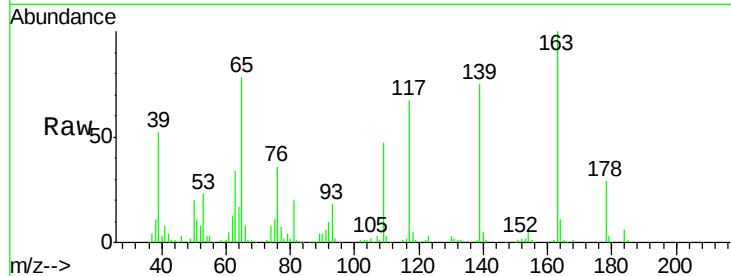




#55  
4-Nitrophenol  
Concen: 45.131 ng  
RT: 10.14 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

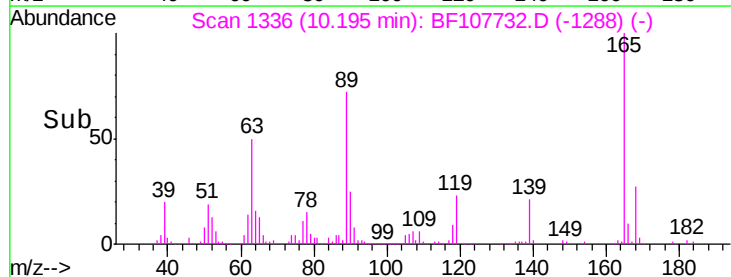
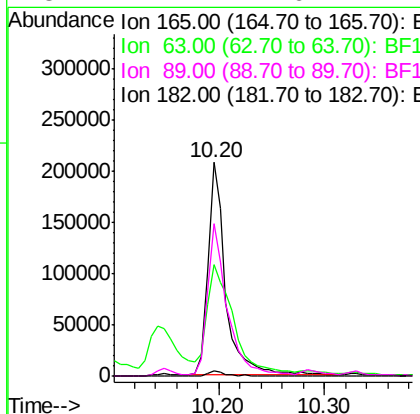
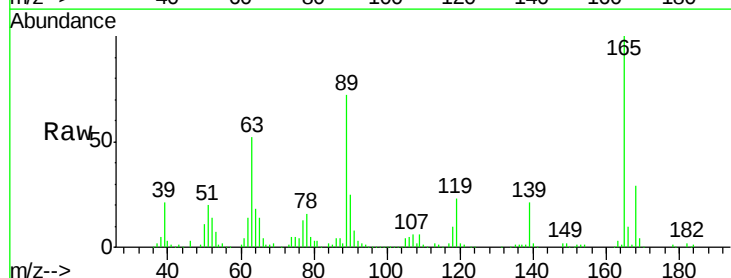
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

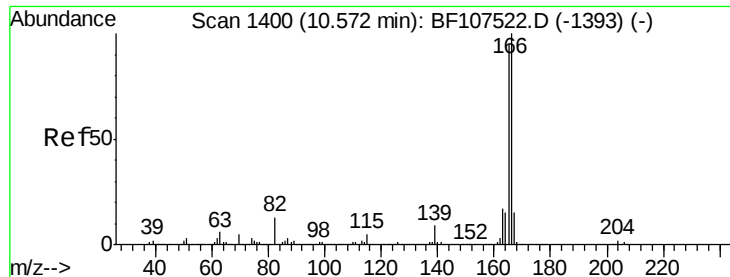
Tgt Ion:139 Resp: 189762  
Ion Ratio Lower Upper  
139 100  
109 62.4 48.4 88.4  
65 103.9 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 43.591 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:165 Resp: 242904  
Ion Ratio Lower Upper  
165 100  
63 51.9 36.4 54.6  
89 71.6 57.8 86.6  
182 2.4 1.6 2.4





#57

Fluorene

Concen: 43.677 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

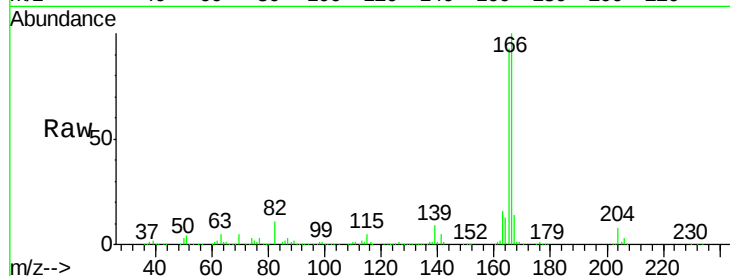
Tgt Ion:166 Resp: 886945

Ion Ratio Lower Upper

166 100

165 93.4 79.8 119.8

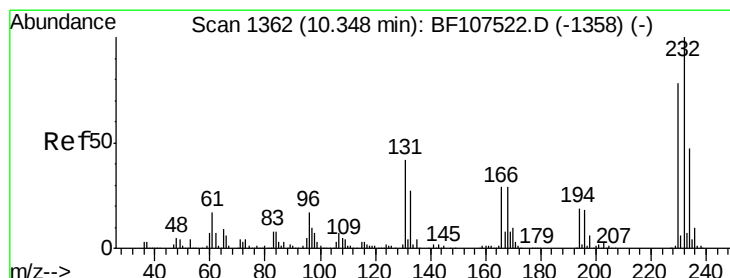
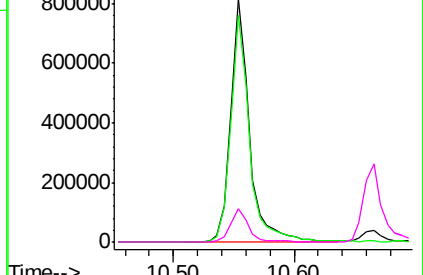
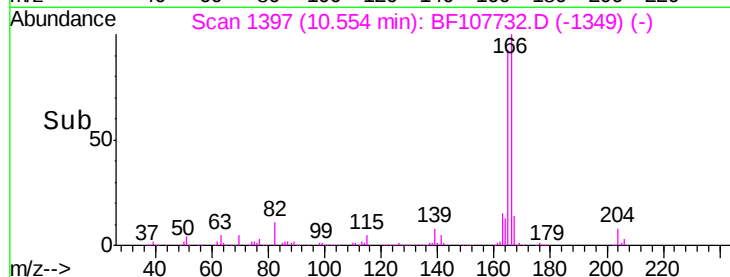
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.565 ng

RT: 10.33 min Scan# 1359

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Tgt Ion:232 Resp: 255318

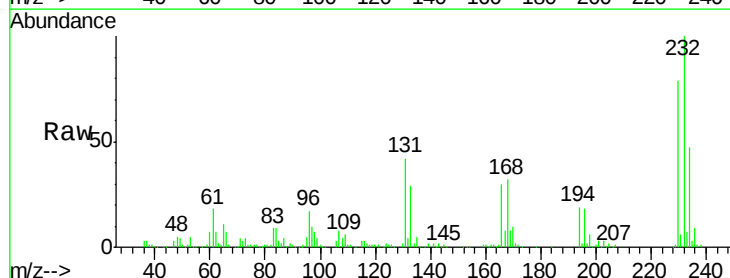
Ion Ratio Lower Upper

232 100

131 38.0 43.8 65.8#

130 1.8 2.1 3.1#

166 25.4 27.8 41.6#

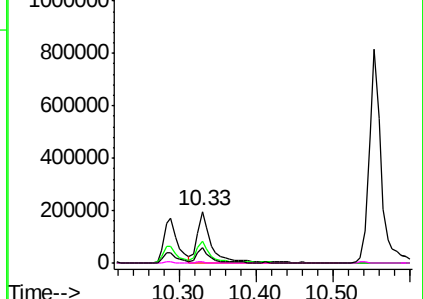
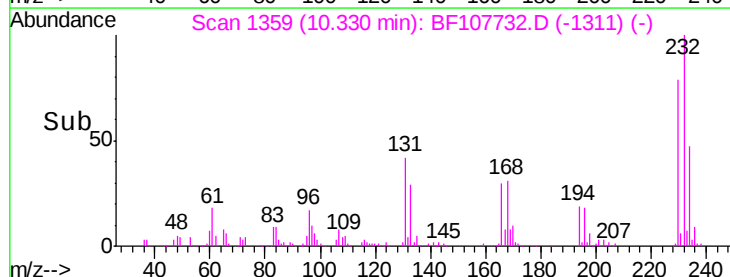


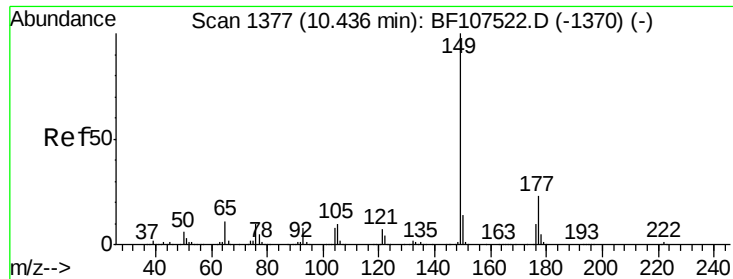
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

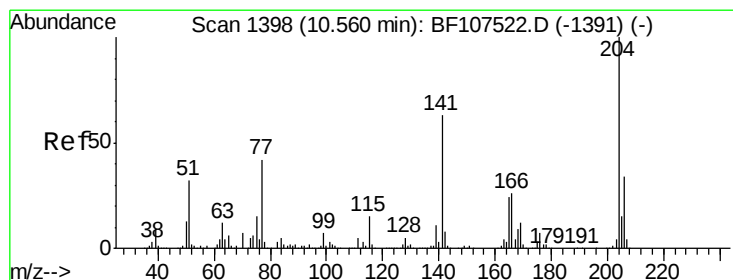
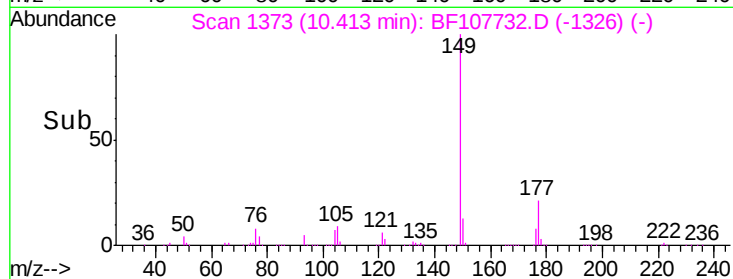
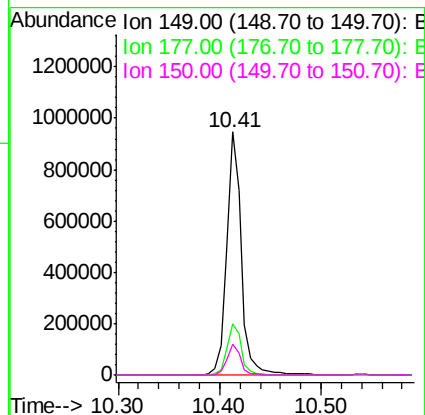
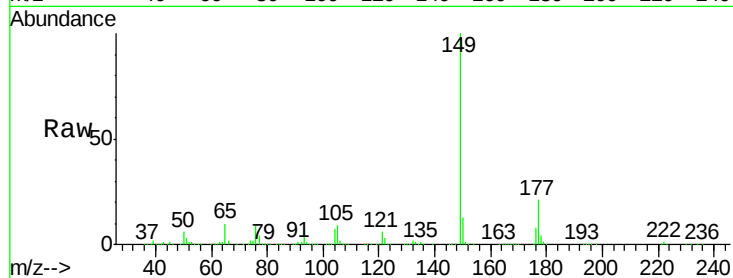




#59  
Diethylphthalate  
Concen: 39.182 ng  
RT: 10.41 min Scan# 1373  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

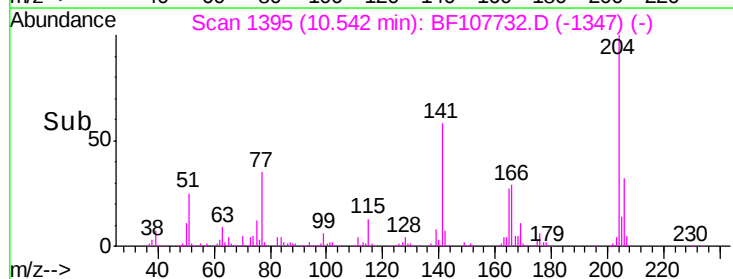
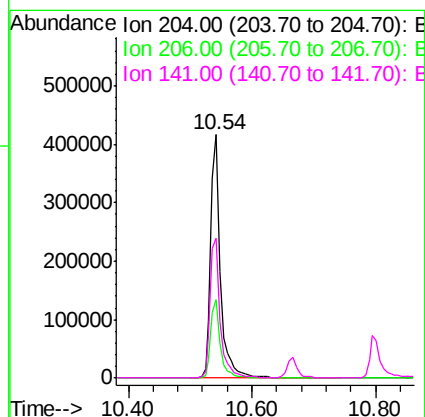
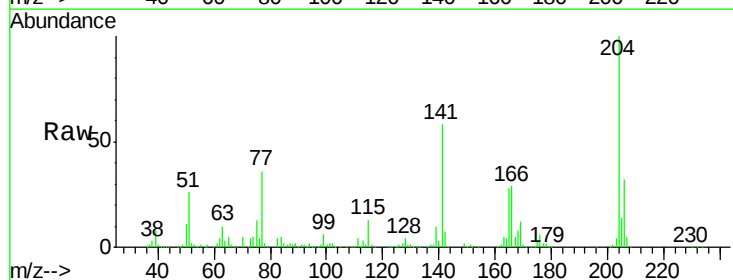
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

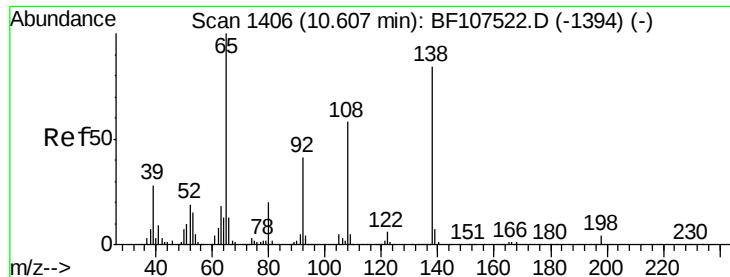
Tgt Ion:149 Resp: 951448  
Ion Ratio Lower Upper  
149 100  
177 21.3 16.1 24.1  
150 12.7 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 39.279 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:204 Resp: 450918  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.5 39.7  
141 57.5 54.6 81.8

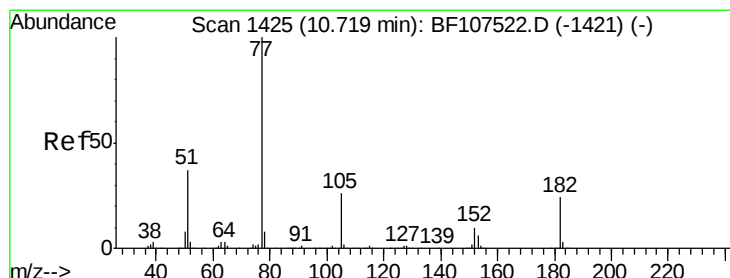
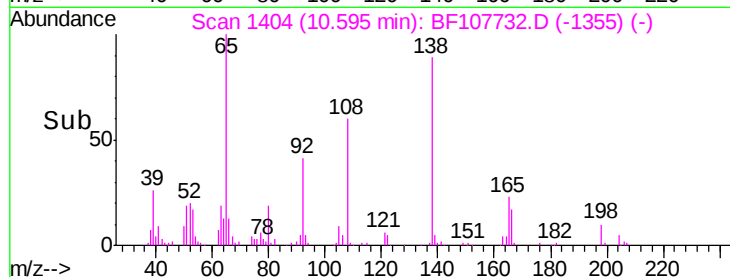
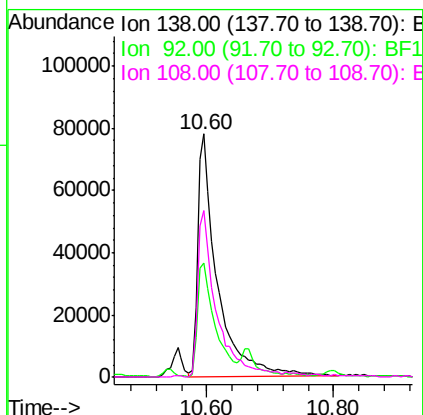
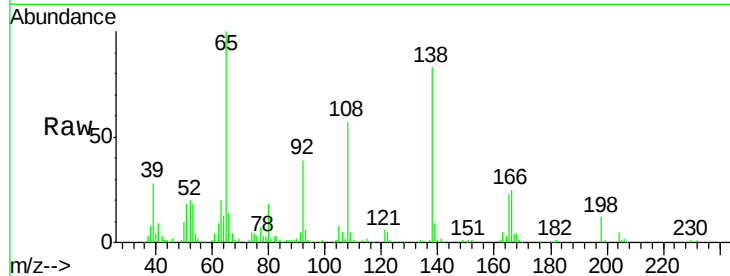




#61  
4-Nitroaniline  
Concen: 34.375 ng  
RT: 10.60 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

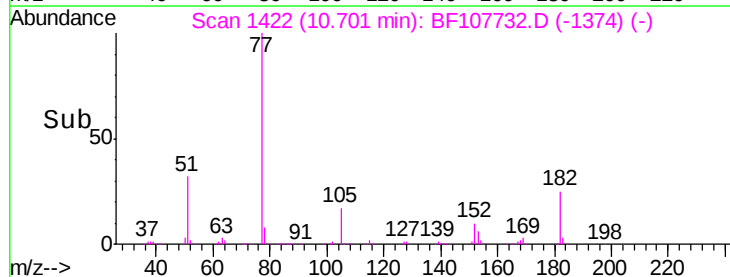
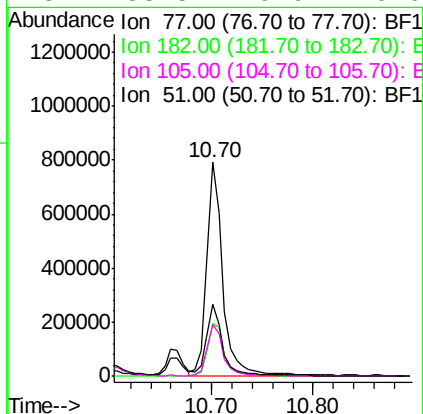
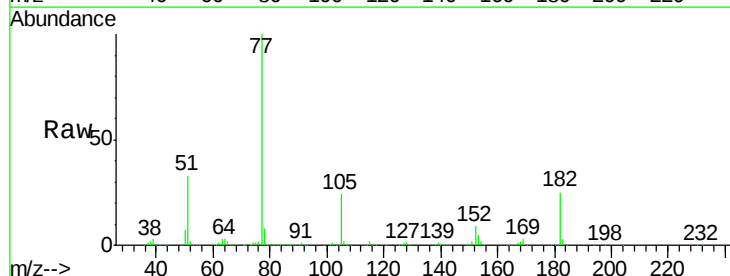
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

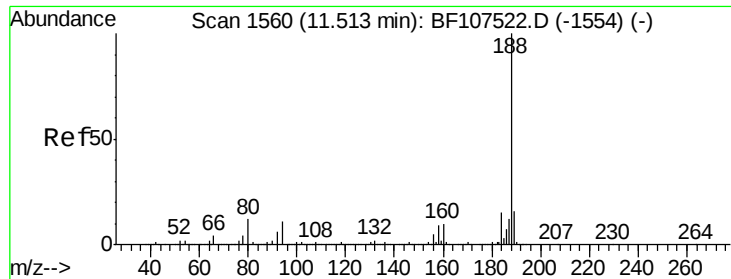
Tgt Ion:138 Resp: 162192  
Ion Ratio Lower Upper  
138 100  
92 47.1 30.2 70.2  
108 68.7 52.5 92.5



#62  
Azobenzene  
Concen: 37.742 ng  
RT: 10.70 min Scan# 1422  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion: 77 Resp: 859396  
Ion Ratio Lower Upper  
77 100  
182 24.6 1.7 41.7  
105 24.2 3.0 43.0  
51 33.5 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

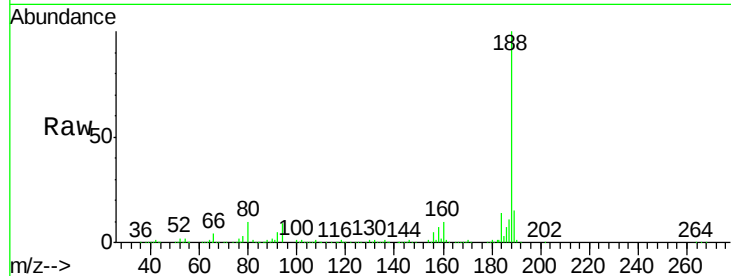
Tgt Ion:188 Resp: 559752

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

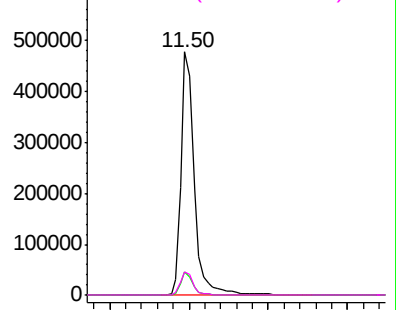
80 9.8 9.2 13.8



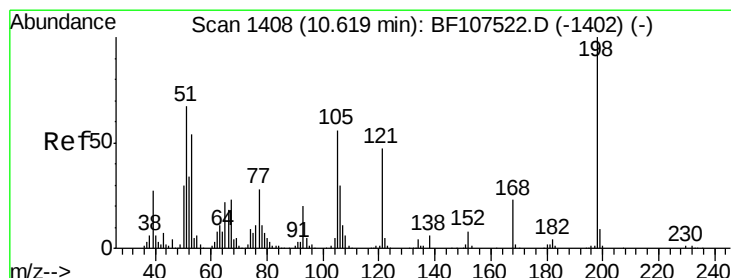
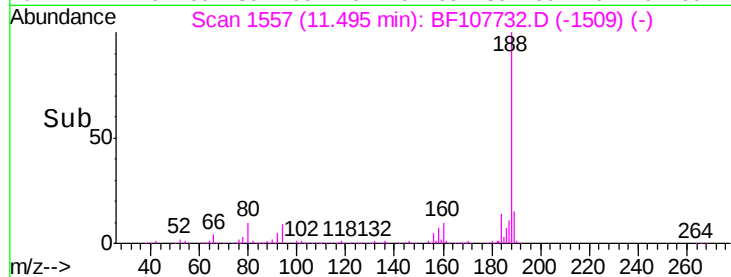
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 38.841 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

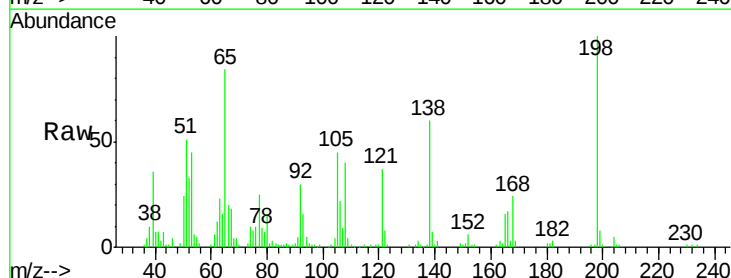
Tgt Ion:198 Resp: 99495

Ion Ratio Lower Upper

198 100

51 51.4 37.7 77.7

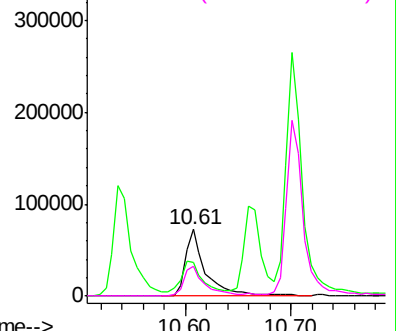
105 45.4 36.3 76.3



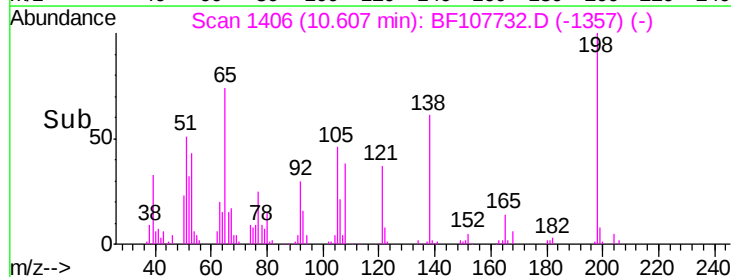
Abundance Ion 198.00 (197.70 to 198.70): E

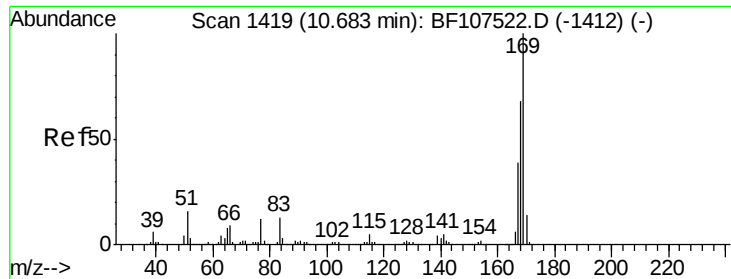
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->

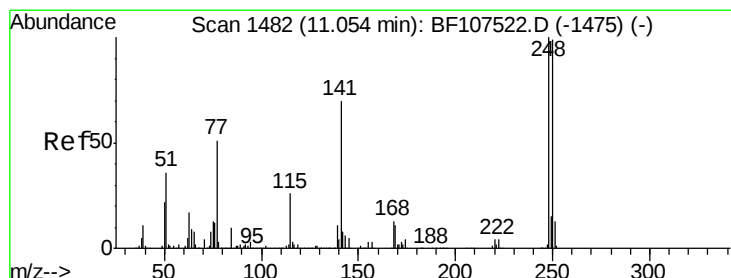
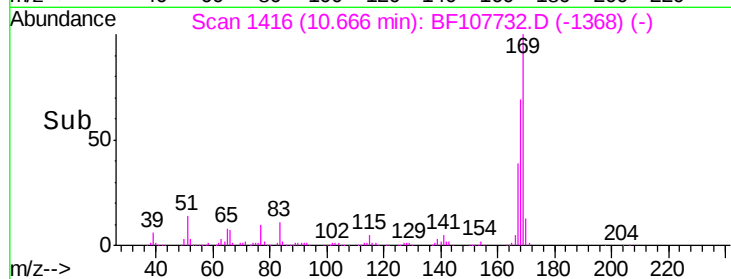
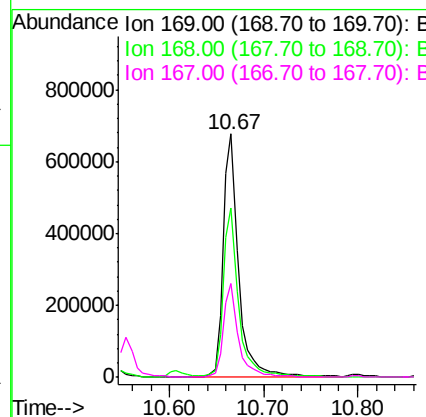
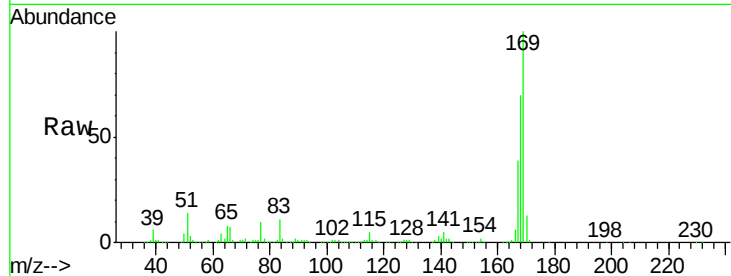




#65  
n-Nitrosodiphenylamine  
Concen: 40.934 ng  
RT: 10.67 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

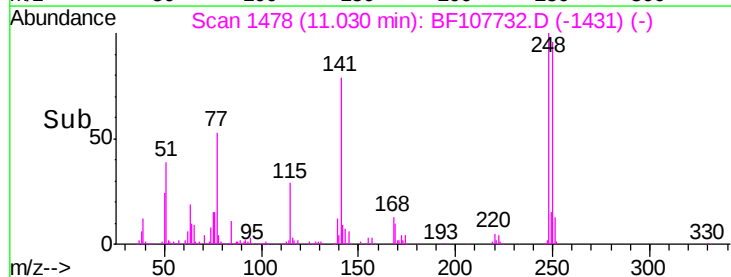
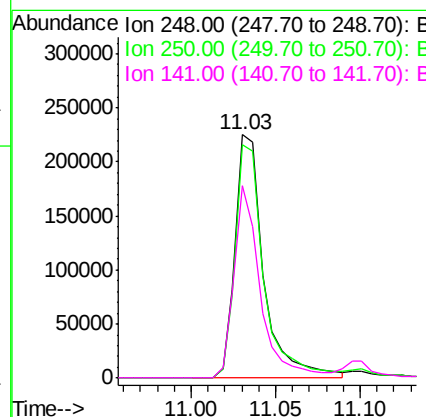
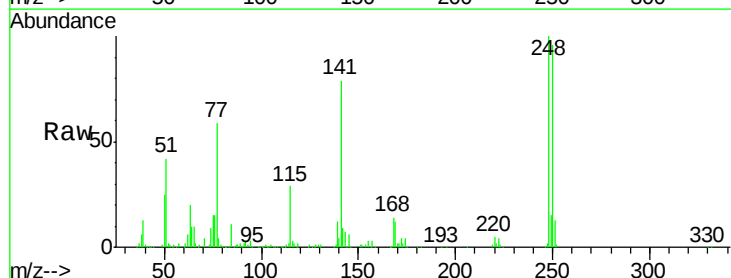
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

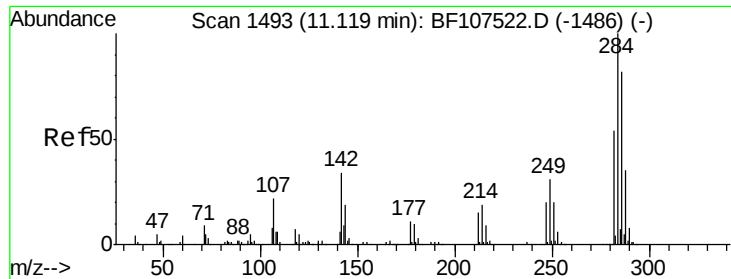
Tgt Ion:169 Resp: 778175  
Ion Ratio Lower Upper  
169 100  
168 69.7 54.4 81.6  
167 38.6 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 40.479 ng  
RT: 11.03 min Scan# 1478  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:248 Resp: 266724  
Ion Ratio Lower Upper  
248 100  
250 95.7 76.9 115.3  
141 79.1 74.4 111.6

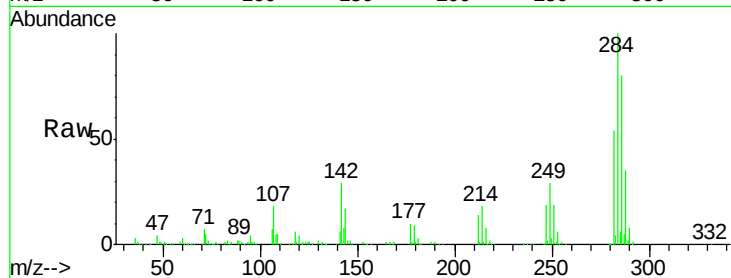




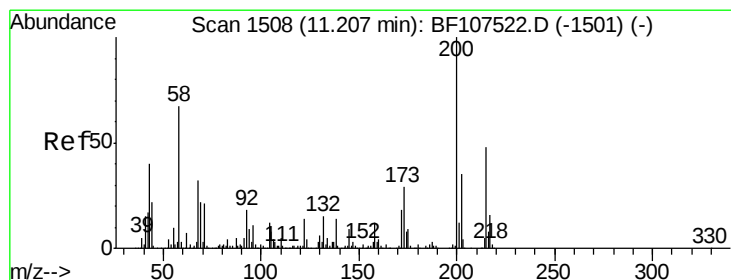
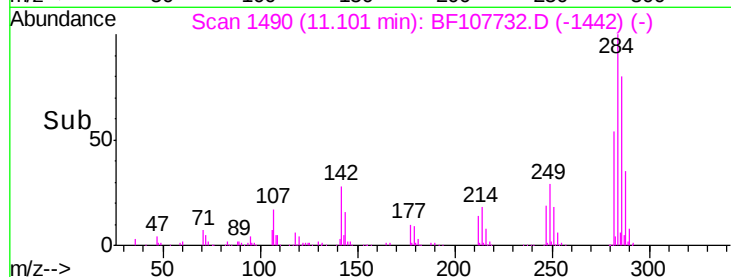
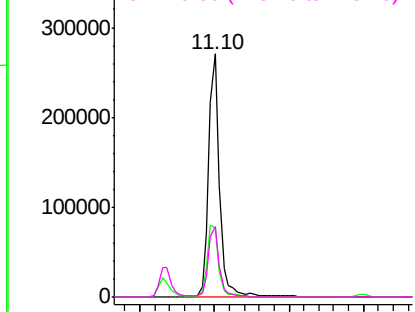
#67  
Hexachlorobenzene  
Concen: 38.755 ng  
RT: 11.10 min Scan# 1490  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

Tgt Ion: 284 Resp: 280978  
Ion Ratio Lower Upper  
284 100  
142 28.6 34.6 52.0#  
249 29.2 24.8 37.2

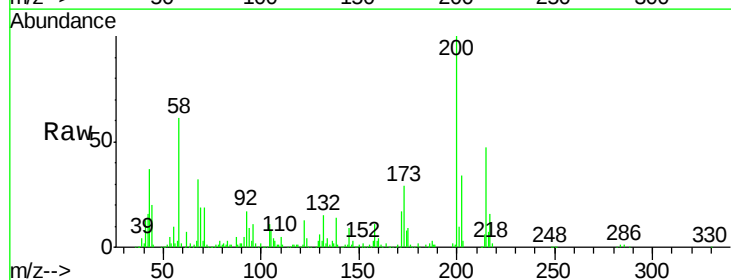


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

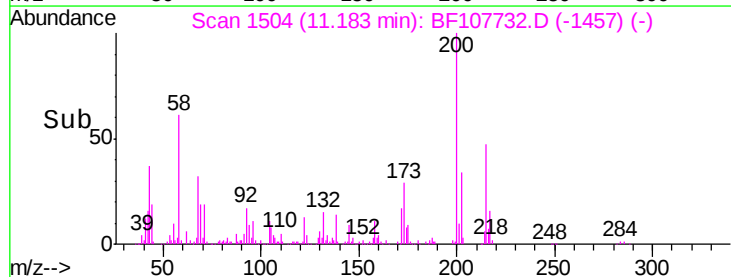
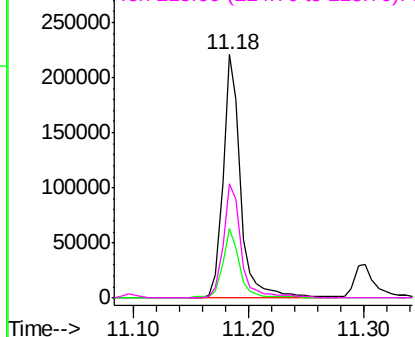


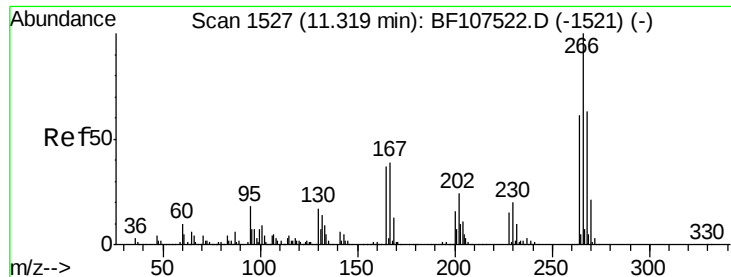
#68  
Atrazine  
Concen: 40.377 ng  
RT: 11.18 min Scan# 1504  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion: 200 Resp: 234364  
Ion Ratio Lower Upper  
200 100  
173 28.7 8.6 48.6  
215 47.1 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

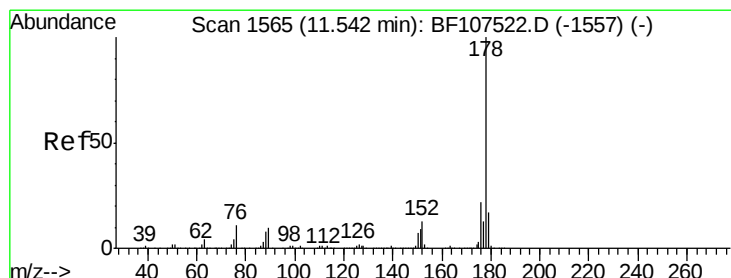
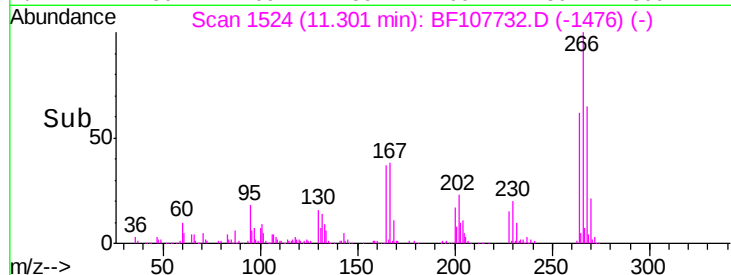
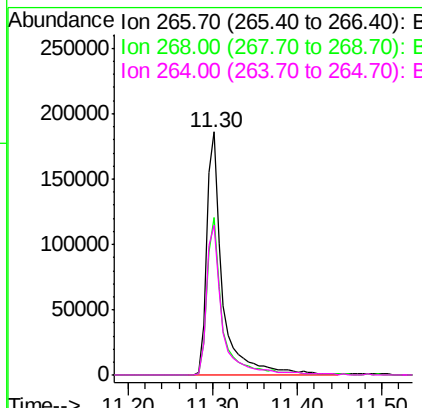
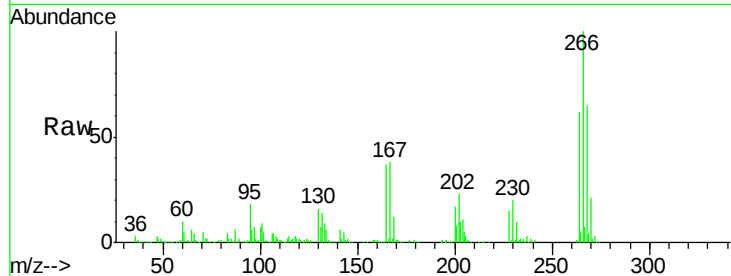




#69  
 Pentachlorophenol  
 Concen: 54.148 ng  
 RT: 11.30 min Scan# 1524  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

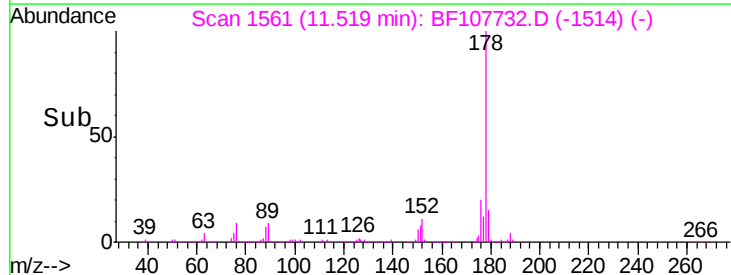
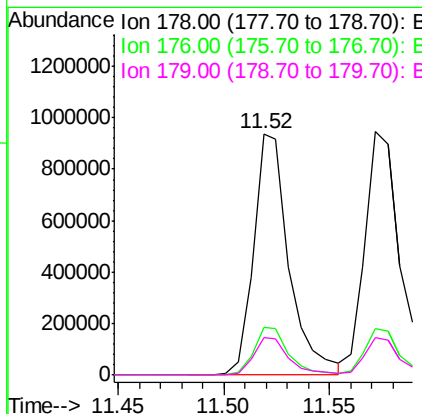
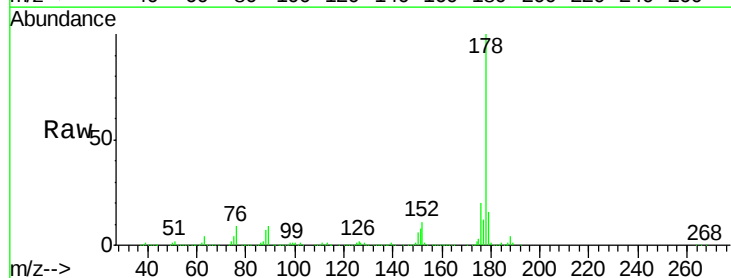
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

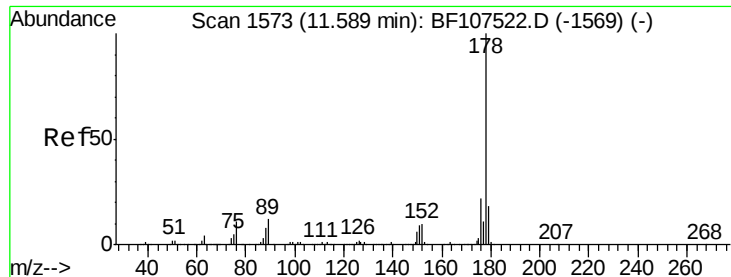
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.6  | 51.1  | 76.7  |
| 264     | 61.5  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 40.089 ng  
 RT: 11.52 min Scan# 1561  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.8  | 23.8  |
| 179     | 15.8  | 13.0  | 19.6  |

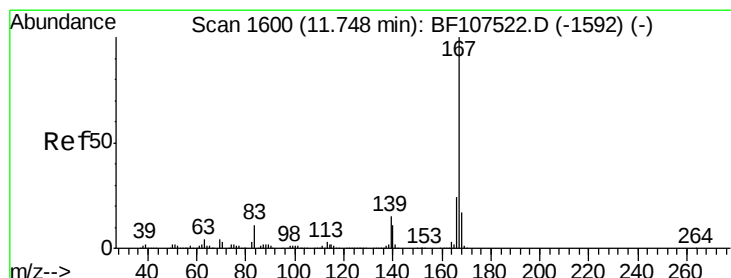
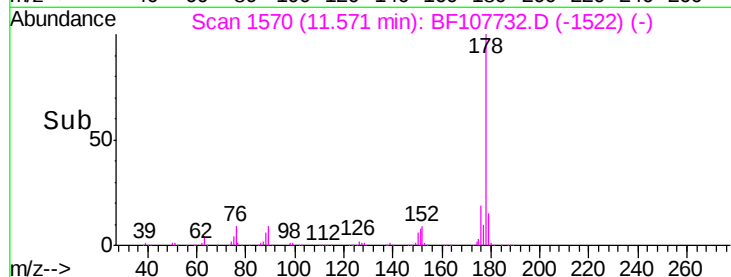
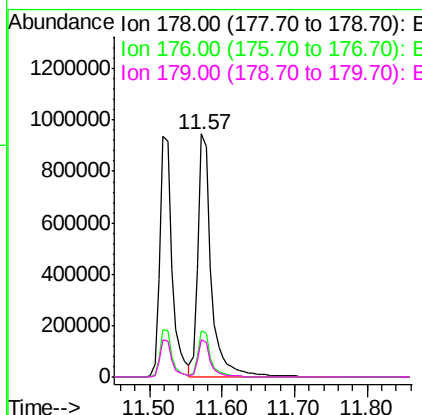
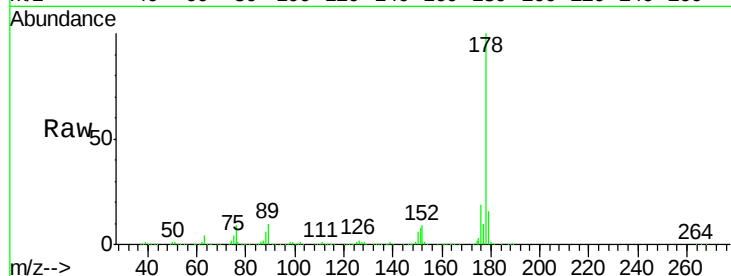




#71  
 Anthracene  
 Concen: 44.132 ng  
 RT: 11.57 min Scan# 1570  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

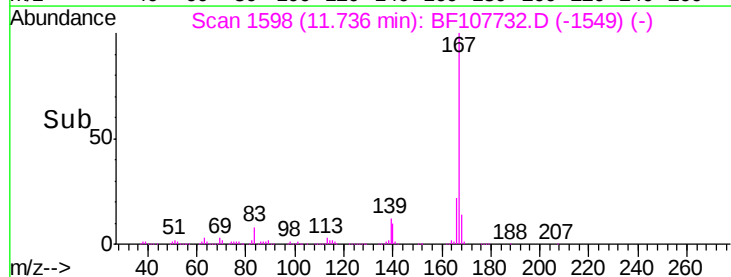
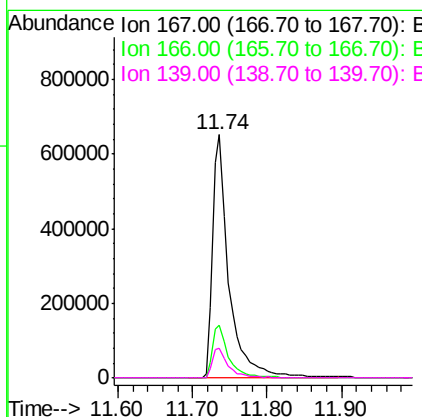
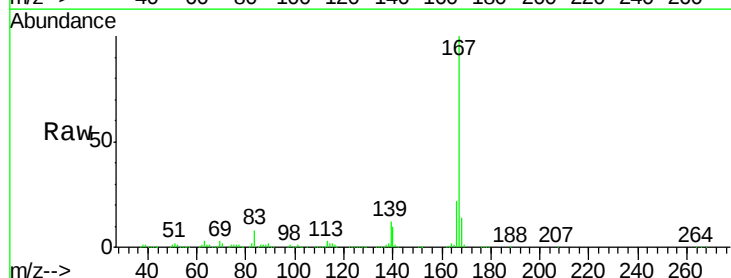
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

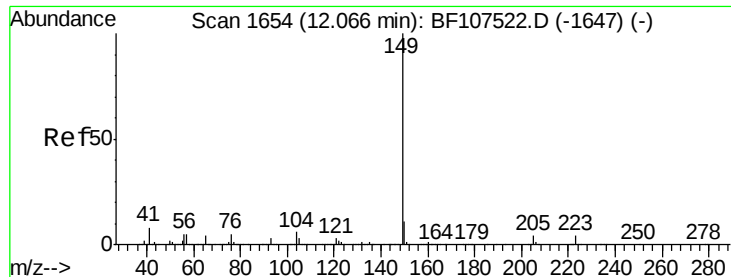
Tgt Ion:178 Resp: 1212033  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.4 23.2  
 179 15.6 12.6 19.0



#72  
 Carbazole  
 Concen: 34.686 ng  
 RT: 11.74 min Scan# 1598  
 Delta R.T. -0.01 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion:167 Resp: 990600  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.6 26.4  
 139 12.4 10.9 16.3





#73

Di-n-butylphthalate

Concen: 47.032 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

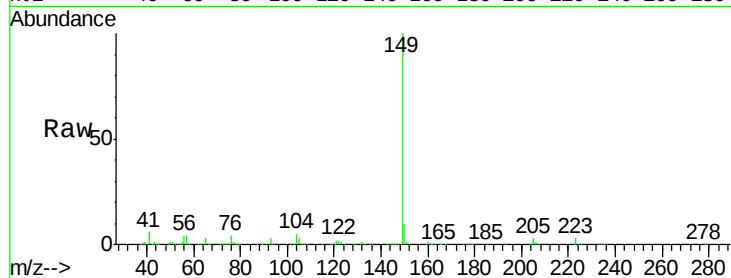
Tgt Ion:149 Resp: 1363612

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

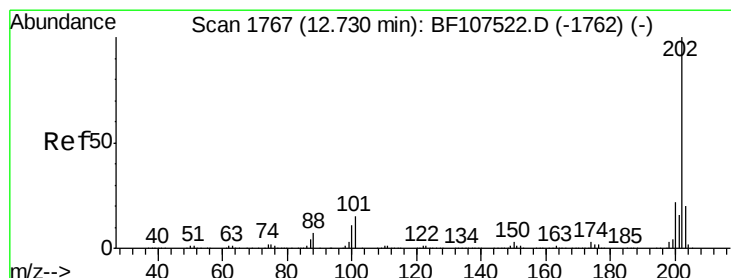
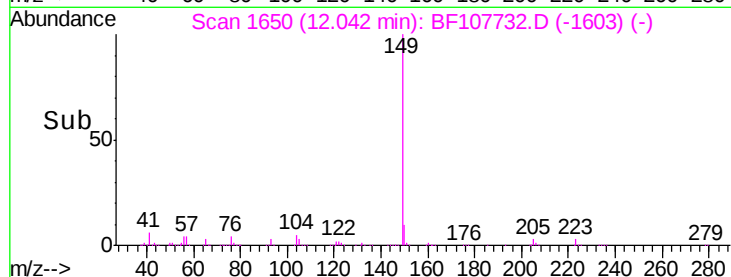
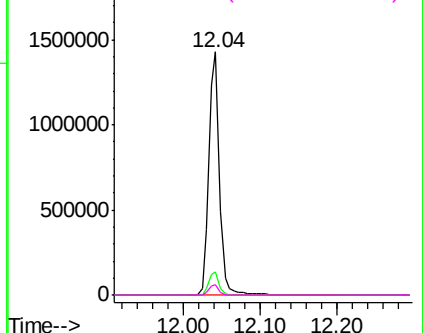
104 4.6 3.8 5.8



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: 34.701 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

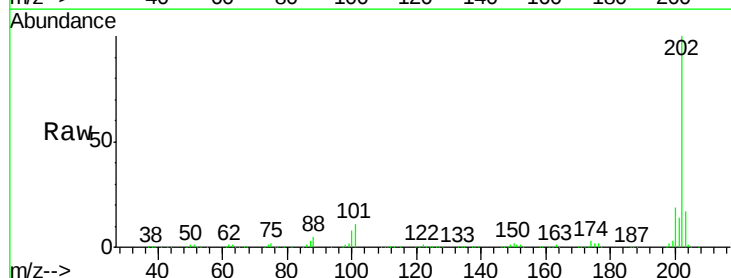
Tgt Ion:202 Resp: 1015700

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

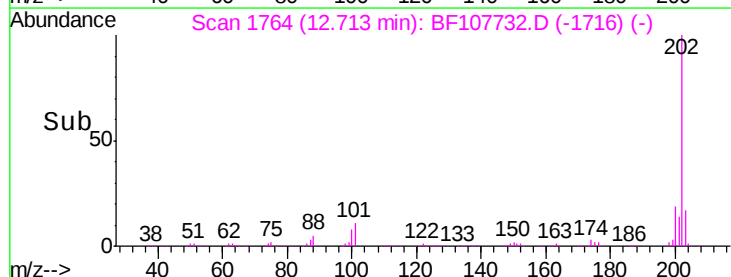
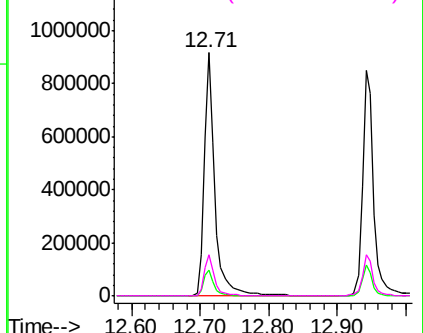
203 17.2 0.0 38.1

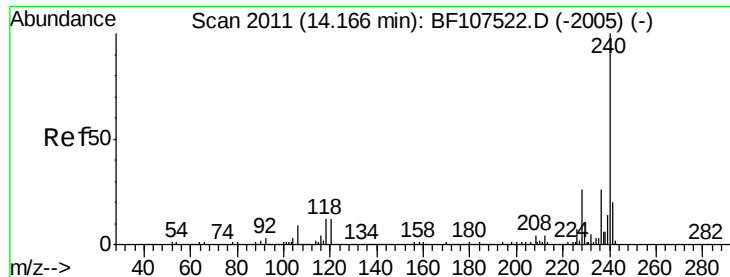


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

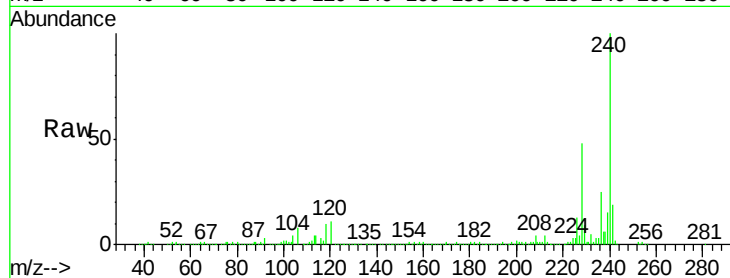
Tgt Ion:240 Resp: 365077

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

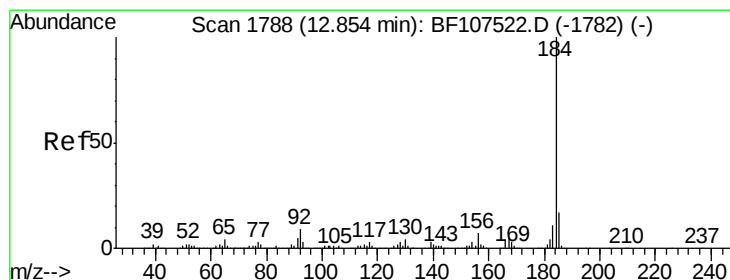
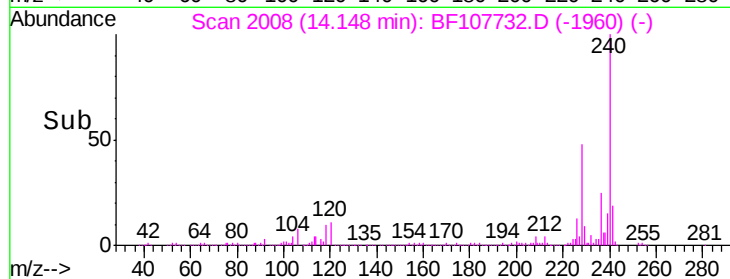
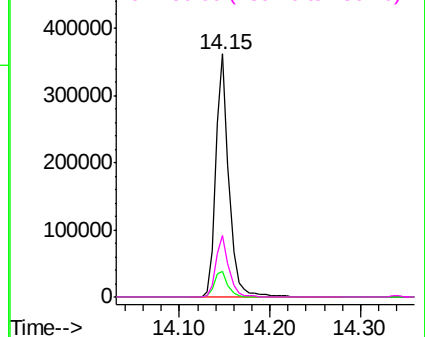
236 25.5 20.7 31.1



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: 31.989 ng

RT: 12.84 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

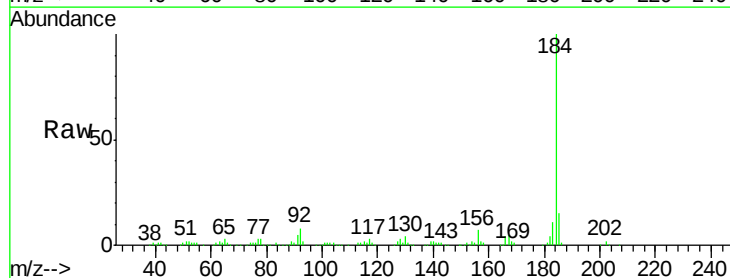
Tgt Ion:184 Resp: 336320

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

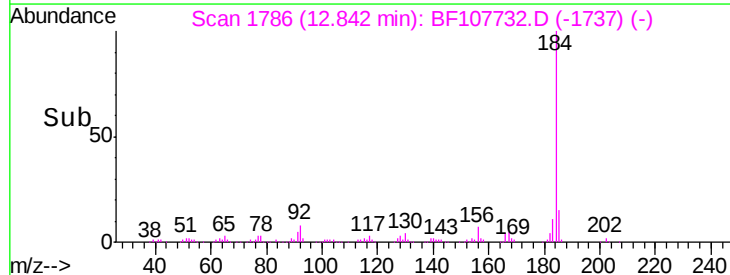
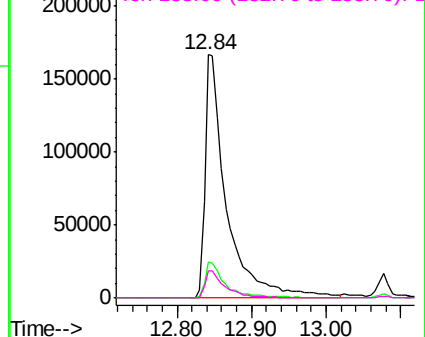
183 11.1 9.3 13.9

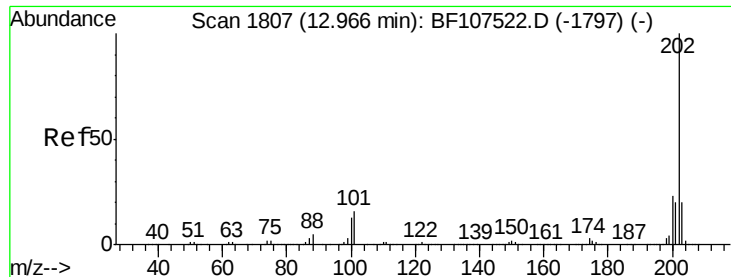


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

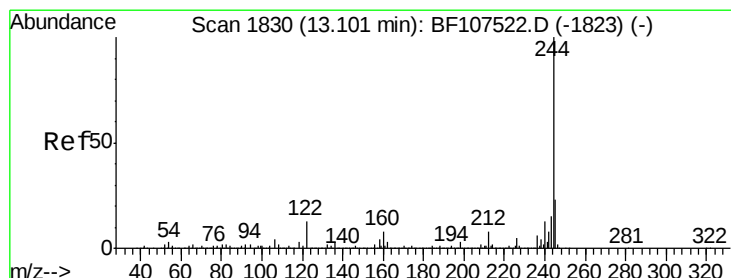
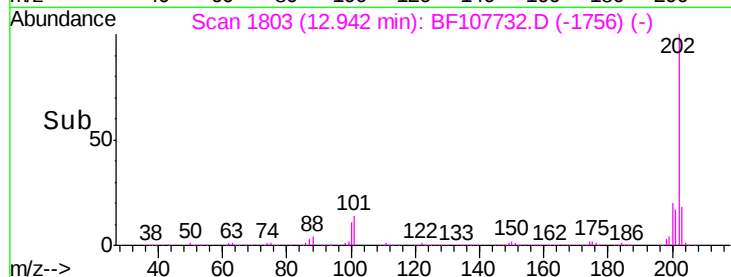
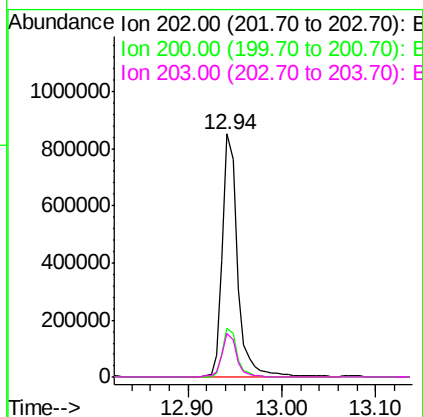
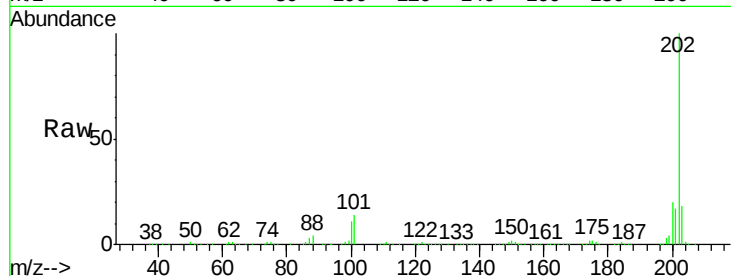




#77  
 Pyrene  
 Concen: 38.812 ng  
 RT: 12.94 min Scan# 1803  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

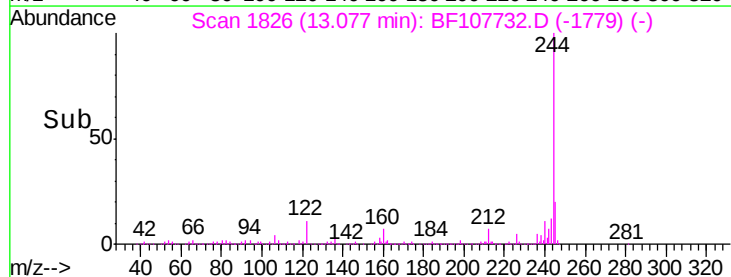
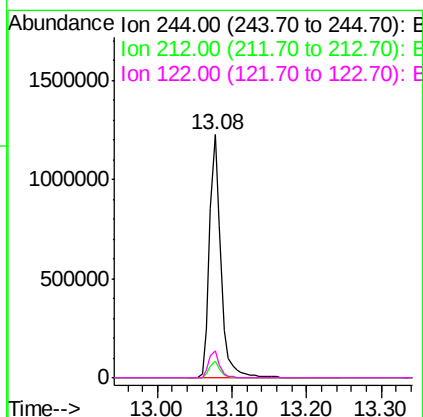
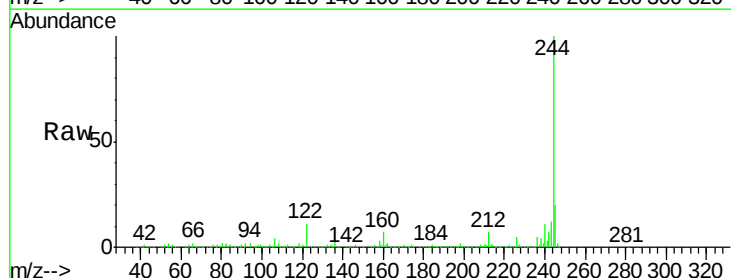
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB111493BS

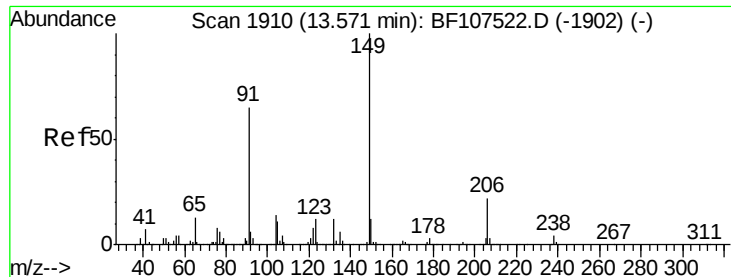
Tgt Ion: 202 Resp: 969201  
 Ion Ratio Lower Upper  
 202 100  
 200 20.2 17.4 26.2  
 203 18.1 14.3 21.5



#78  
 Terphenyl-d14  
 Concen: 92.098 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion: 244 Resp: 1313353  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 11.0 11.0 16.4

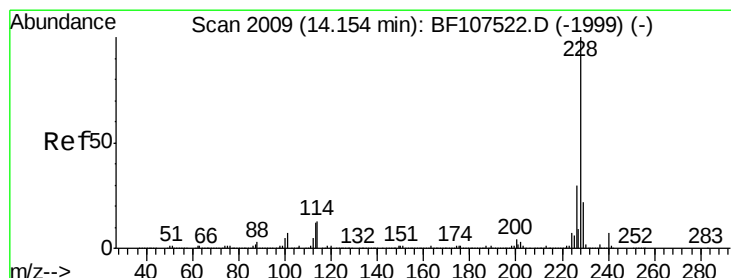
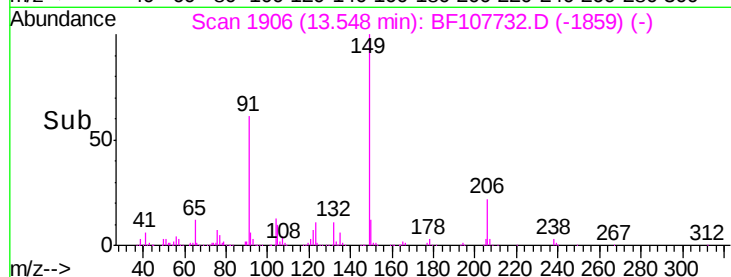
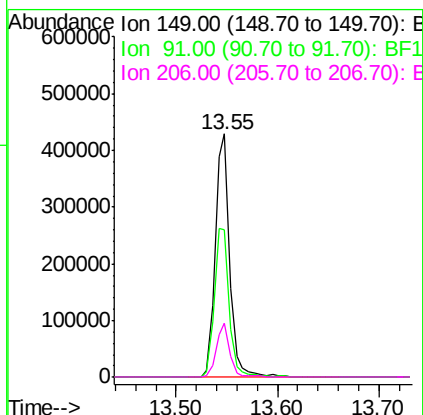
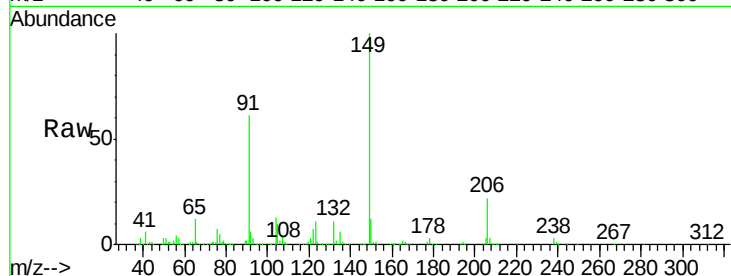




#79  
Butylbenzylphthalate  
Concen: 39.933 ng  
RT: 13.55 min Scan# 1906  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

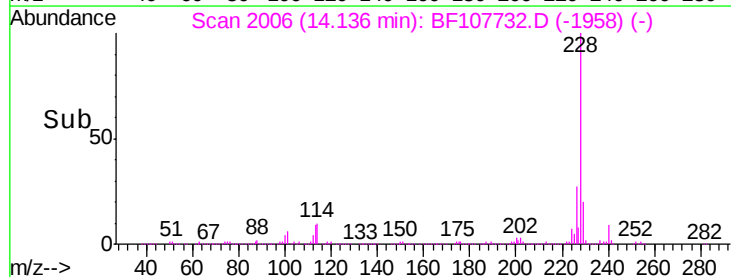
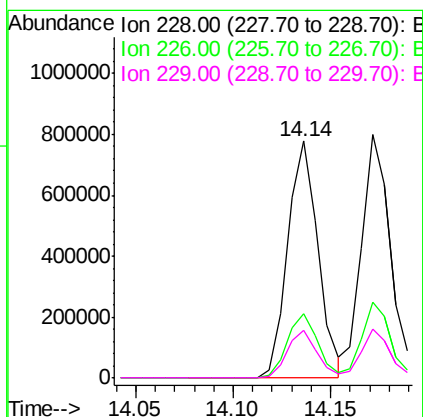
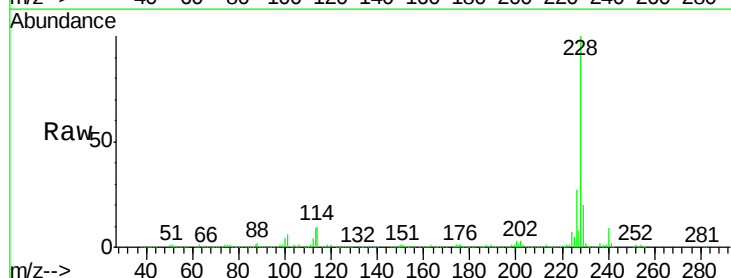
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

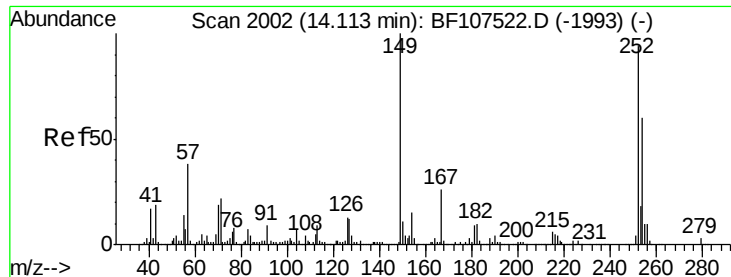
Tgt Ion:149 Resp: 428843  
Ion Ratio Lower Upper  
149 100  
91 60.8 56.8 85.2  
206 22.1 14.1 21.1#



#80  
Benzo(a)anthracene  
Concen: 39.149 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:228 Resp: 837566  
Ion Ratio Lower Upper  
228 100  
226 27.1 22.6 33.8  
229 20.1 15.8 23.6

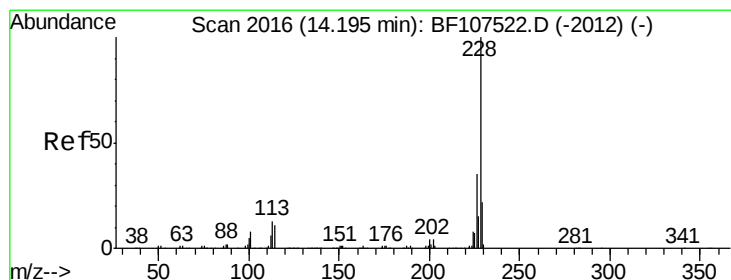
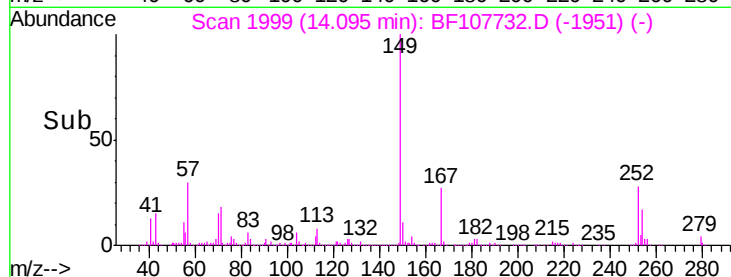
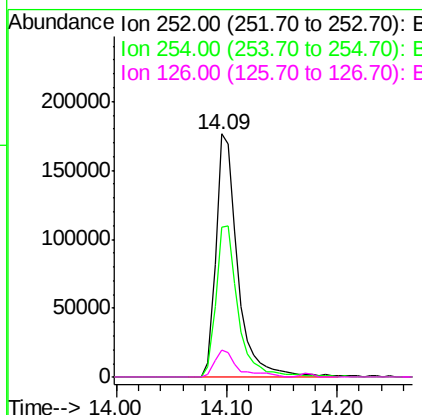
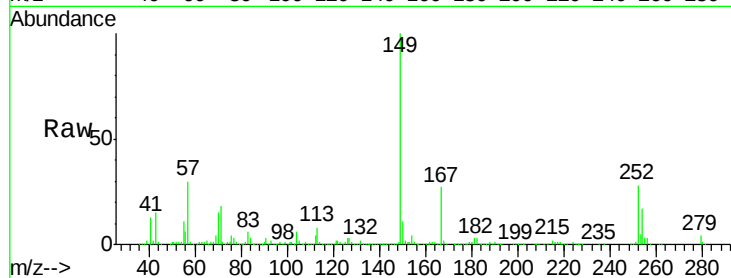




#81  
 3,3'-Dichlorobenzidine  
 Concen: 36.211 ng  
 RT: 14.09 min Scan# 1999  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

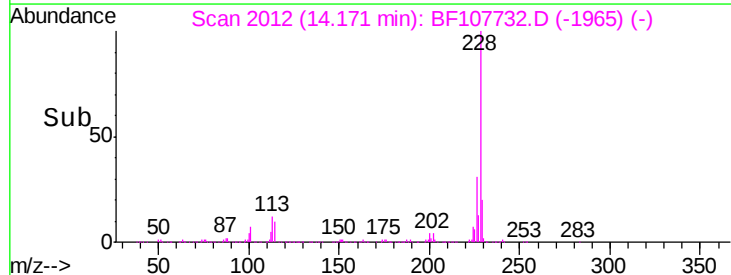
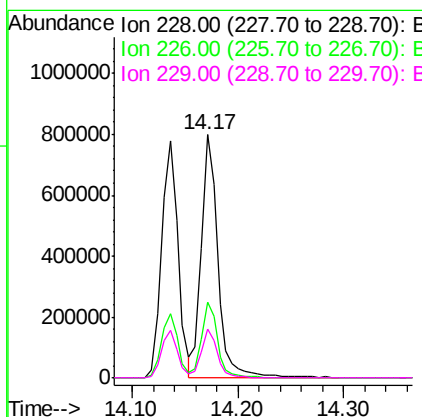
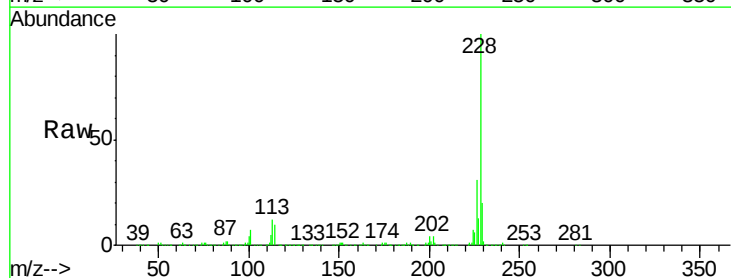
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

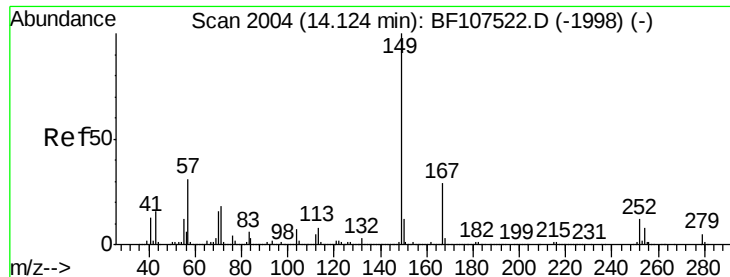
Tgt Ion: 252 Resp: 242600  
 Ion Ratio Lower Upper  
 252 100  
 254 61.9 50.4 75.6  
 126 11.4 11.3 16.9



#82  
 Chrysene  
 Concen: 42.376 ng  
 RT: 14.17 min Scan# 2012  
 Delta R.T. -0.02 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

Tgt Ion: 228 Resp: 870889  
 Ion Ratio Lower Upper  
 228 100  
 226 31.3 25.0 37.6  
 229 20.2 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.317 ng

RT: 14.09 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

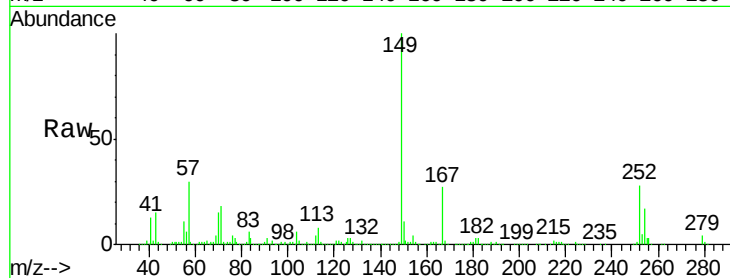
Tgt Ion:149 Resp: 565462

Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

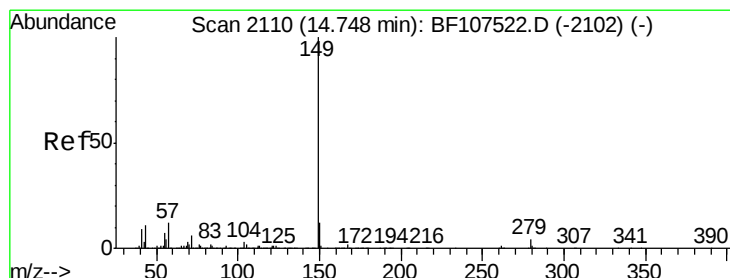
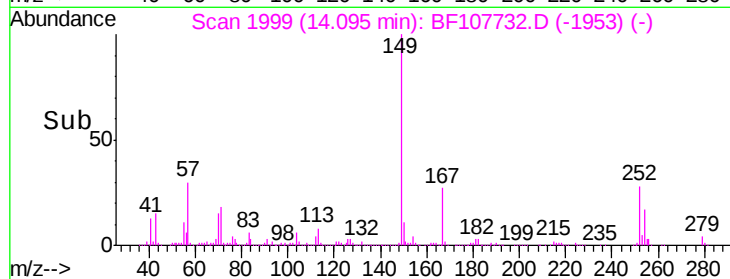
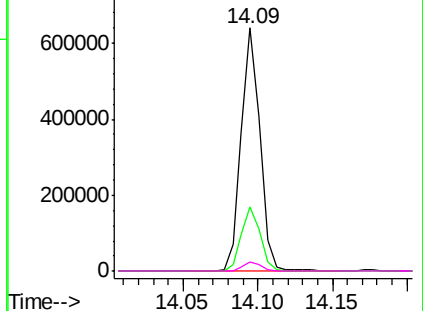
279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 42.105 ng

RT: 14.71 min Scan# 2104

Delta R.T. -0.04 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

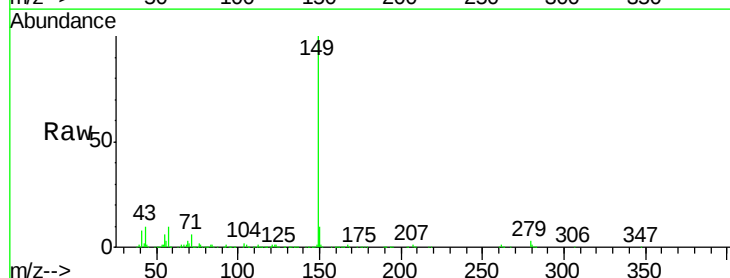
Tgt Ion:149 Resp: 991698

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

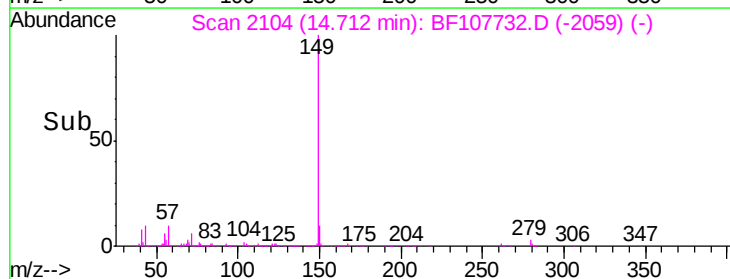
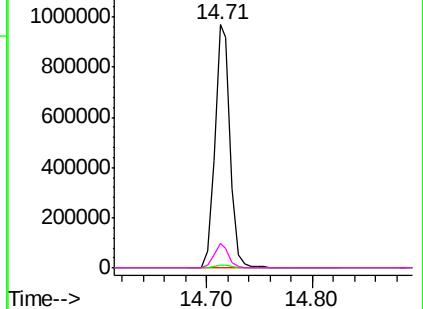
43 9.5 8.4 12.6

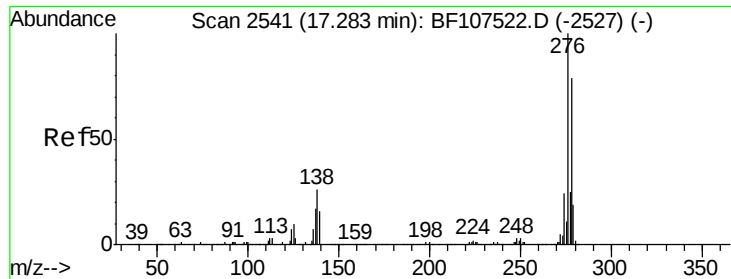


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

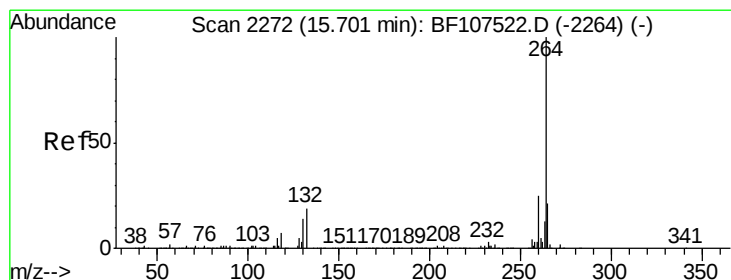
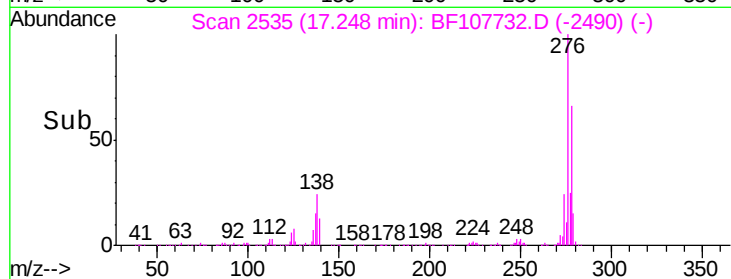
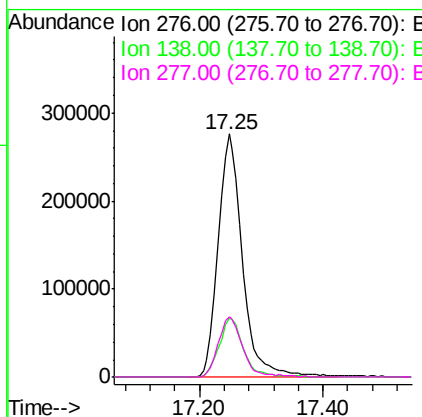
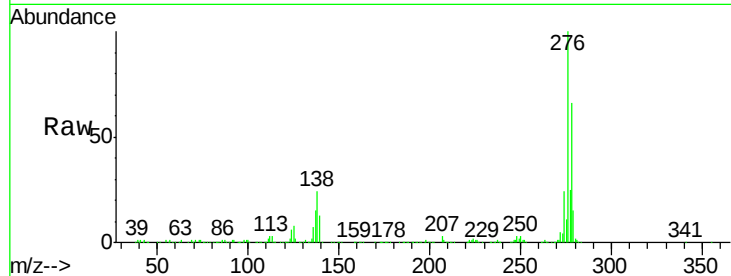




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.526 ng  
 RT: 17.25 min Scan# 2535  
 Delta R.T. -0.04 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

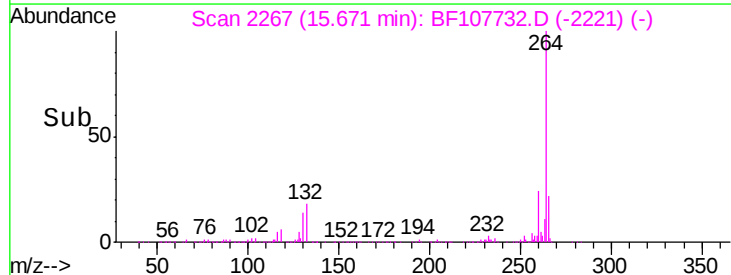
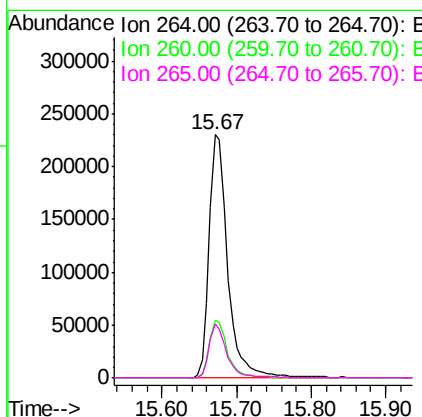
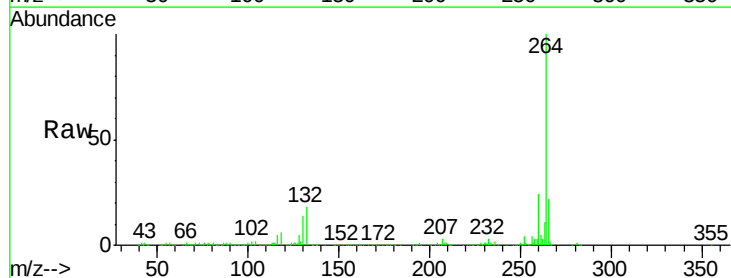
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111493BS

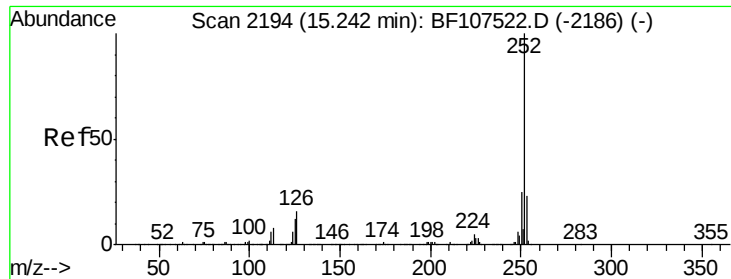
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.7  | 25.0  | 37.6# |
| 277     | 25.3  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2267  
 Delta R.T. -0.03 min  
 Lab File: BF107732.D  
 Acq: 27 Jul 2018 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 22.1  | 17.5  | 26.3  |

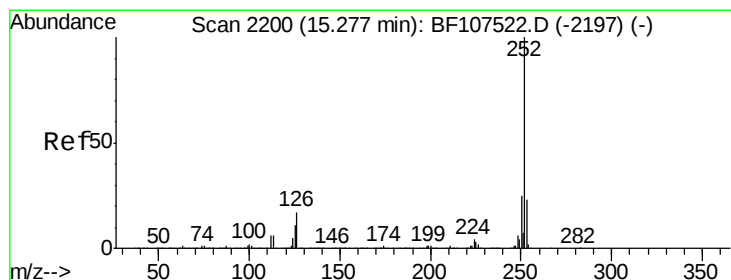
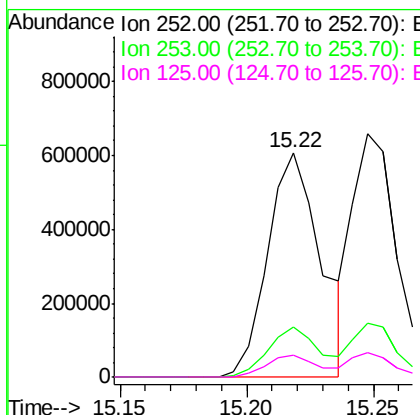
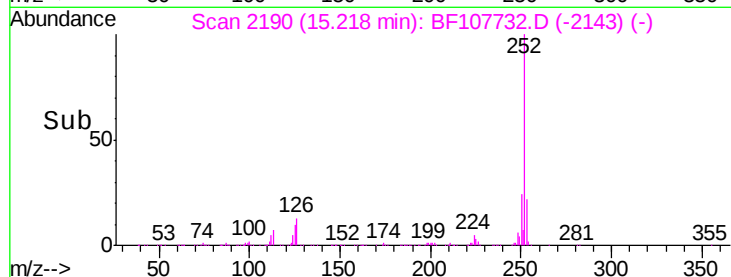
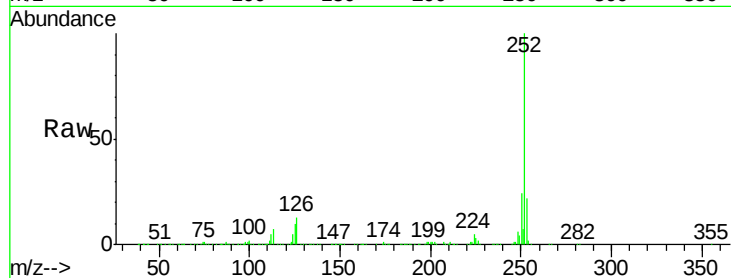




#87  
Benzo(b)fluoranthene  
Concen: 40.125 ng  
RT: 15.22 min Scan# 2190  
Delta R.T. -0.02 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

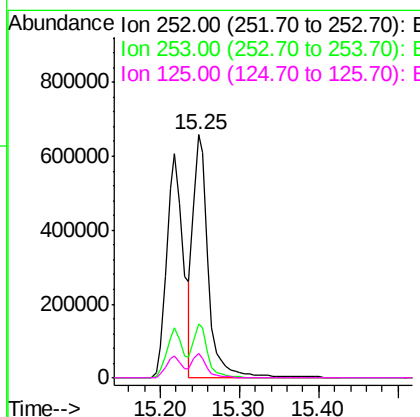
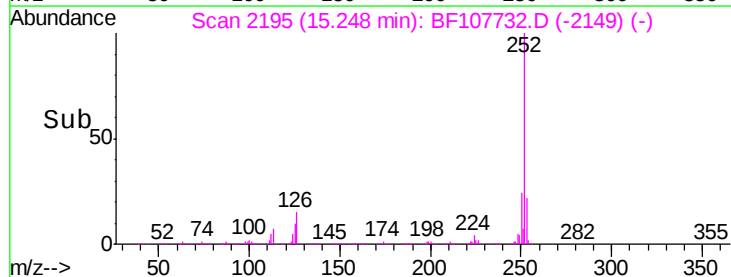
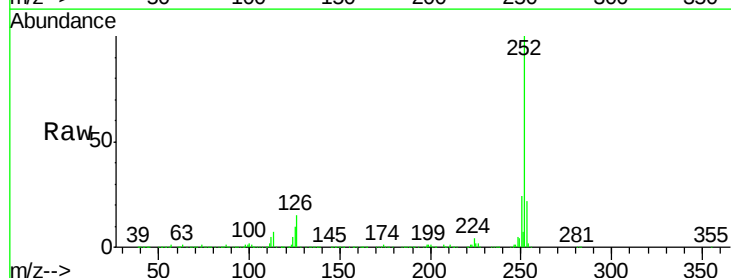
Instrument :  
BNA\_F  
ClientSampleId :  
PB111493BS

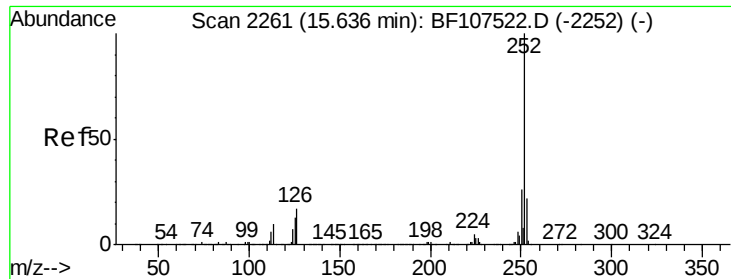
Tgt Ion:252 Resp: 884230  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.0 25.6  
125 9.7 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 40.295 ng  
RT: 15.25 min Scan# 2195  
Delta R.T. -0.03 min  
Lab File: BF107732.D  
Acq: 27 Jul 2018 7:17

Tgt Ion:252 Resp: 869973  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 10.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 41.226 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

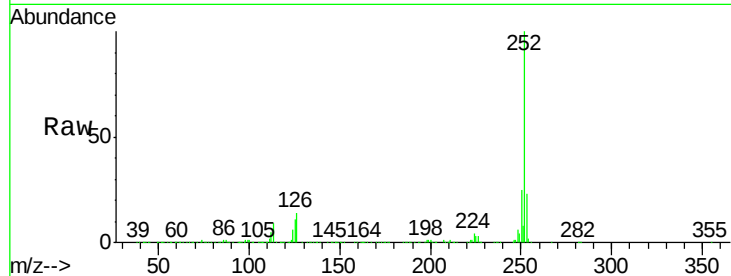
Tgt Ion:252 Resp: 831036

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

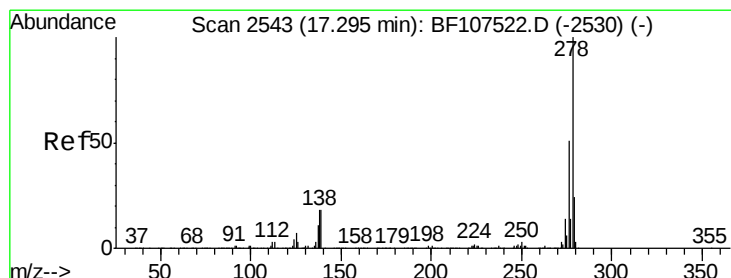
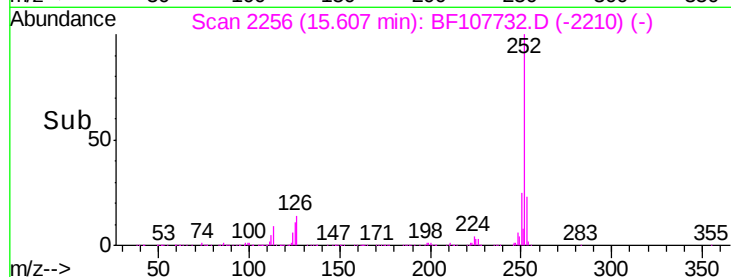
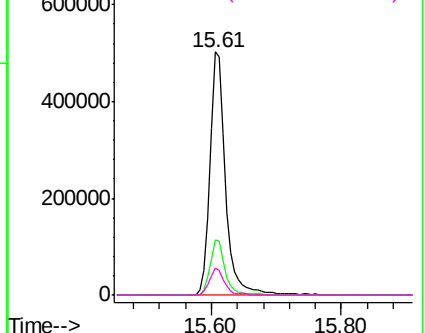
125 11.1 9.8 14.6



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: 37.305 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.04 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

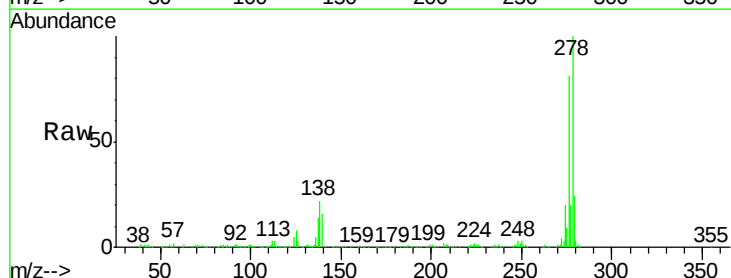
Tgt Ion:278 Resp: 650041

Ion Ratio Lower Upper

278 100

139 15.8 15.9 23.9#

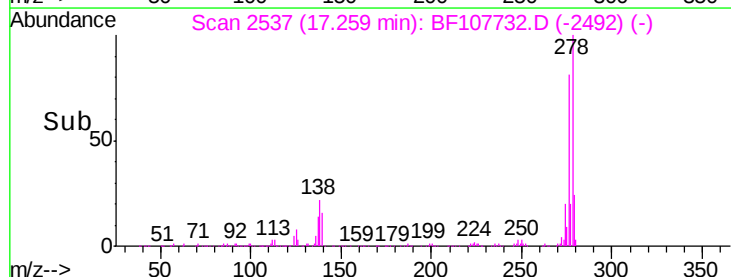
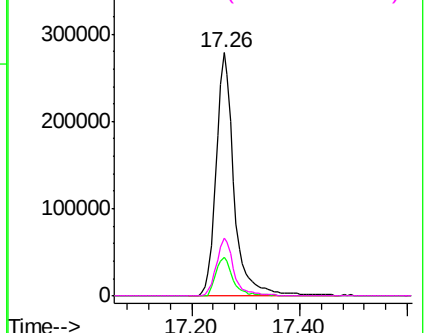
279 23.7 19.0 28.4

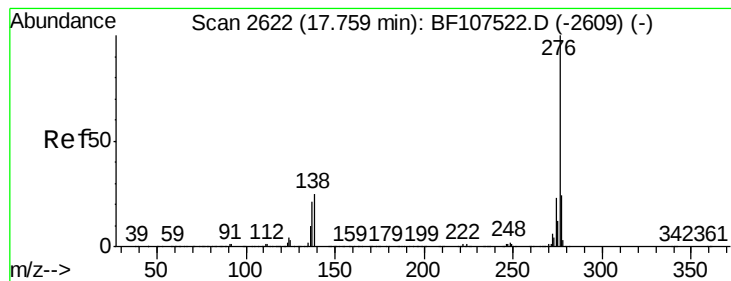


Abundance Ion 278.00 (277.70 to 278.70): E

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: 34.111 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF107732.D

Acq: 27 Jul 2018 7:17

Instrument :

BNA\_F

ClientSampleId :

PB111493BS

Tgt Ion: 276 Resp: 586295

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 21.0 21.8 32.8#

