

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF070918\  
 Data File : BF107251.D  
 Acq On : 10 Jul 2018 1:53  
 Operator : JU/SJ  
 Sample : PB110915BSD  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Quant Time: Jul 10 05:10:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 30156    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.23  | 136  | 99090    | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 46995    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.49 | 188  | 99225    | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.15 | 240  | 73781    | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.69 | 264  | 56359    | 20.00 | ng    | -0.03    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.60  | 112 | 179124 | 100.58 | ng | 0.00  |
| 7) Phenol-d6                | 6.60  | 99  | 204414 | 91.91  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.52  | 82  | 178440 | 100.08 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330 | 60757  | 111.55 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.31  | 172 | 318457 | 120.94 | ng | -0.02 |
| 78) Terphenyl-d14           | 13.08 | 244 | 436765 | 143.39 | ng | 0.00  |

|                                |      |     |        |           |        |
|--------------------------------|------|-----|--------|-----------|--------|
| Target Compounds               |      |     |        |           | Qvalue |
| 2) 1,4-Dioxane                 | 2.84 | 88  | 33535  | 36.627 ng | 98     |
| 3) Pyridine                    | 3.62 | 79  | 103582 | 41.715 ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.59 | 42  | 41949  | 39.776 ng | 84     |
| 6) Aniline                     | 6.61 | 93  | 86617  | 28.712 ng | # 28   |
| 8) 2-Chlorophenol              | 6.74 | 128 | 87253  | 44.670 ng | 98     |
| 9) Benzaldehyde                | 6.51 | 77  | 36616  | 21.299 ng | 95     |
| 10) Phenol                     | 6.61 | 94  | 106496 | 41.959 ng | # 71   |
| 11) bis(2-Chloroethyl)ether    | 6.68 | 93  | 88196  | 42.092 ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.89 | 146 | 100401 | 43.886 ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.97 | 146 | 101042 | 43.686 ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.12 | 146 | 92299  | 43.543 ng | 98     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 66240  | 37.093 ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45  | 121631 | 44.243 ng | # 17   |
| 17) 2-Methylphenol             | 7.21 | 107 | 69548  | 41.606 ng | # 90   |
| 18) Hexachloroethane           | 7.45 | 117 | 17637  | 21.684 ng | # 84   |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70  | 59089  | 40.307 ng | 96     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 91617  | 53.635 ng | 92     |
| 22) Acetophenone               | 7.35 | 105 | 115571 | 52.132 ng | # 97   |
| 24) Nitrobenzene               | 7.54 | 77  | 85863  | 47.167 ng | 100    |
| 25) Isophorone                 | 7.77 | 82  | 159107 | 50.639 ng | 99     |
| 26) 2-Nitrophenol              | 7.85 | 139 | 29814  | 34.693 ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.89 | 122 | 73567  | 55.385 ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93  | 103712 | 49.162 ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.10 | 162 | 69814  | 50.204 ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.17 | 180 | 77918  | 50.863 ng | 97     |
| 31) Naphthalene                | 8.25 | 128 | 225003 | 48.568 ng | 99     |
| 32) Benzoic acid               | 8.02 | 122 | 29680  | 32.782 ng | 93     |
| 33) 4-Chloroaniline            | 8.31 | 127 | 63696  | 32.767 ng | 98     |
| 34) Hexachlorobutadiene        | 8.35 | 225 | 53426  | 53.522 ng | 97     |
| 35) Caprolactam                | 8.68 | 113 | 21154  | 46.667 ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 68393  | 46.726 ng | 97     |
| 37) 2-Methylnaphthalene        | 8.95 | 142 | 159533 | 51.953 ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 81788  | 51.678 ng | # 95   |
| 42) 2,4,6-Trichlorophenol      | 9.24 | 196 | 47859  | 45.493 ng | 92     |

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 Sample : PB110915BSD  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

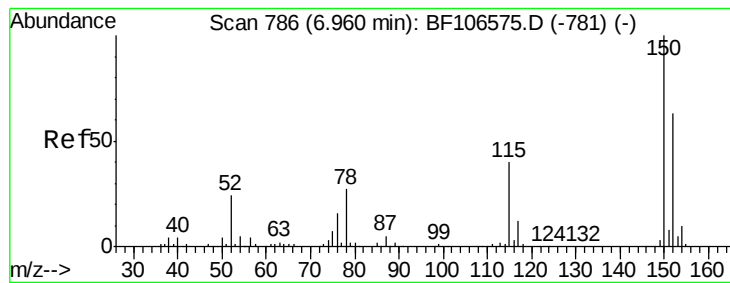
Instrument :  
 BNA\_F  
 ClientSampleId :  
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Quant Time: Jul 10 05:10:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 48922    | 44.566  | ng    | # 87     |
| 45) 1,1'-Biphenyl              | 9.41  | 154  | 190507   | 50.866  | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.44  | 162  | 137108   | 46.508  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.54  | 65   | 50325    | 50.764  | ng    | 97       |
| 48) Acenaphthylene             | 9.86  | 152  | 220311   | 47.334  | ng    | 99       |
| 49) Dimethylphthalate          | 9.70  | 163  | 161486   | 45.816  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 28448    | 38.115  | ng    | 96       |
| 51) Acenaphthene               | 10.03 | 154  | 130995   | 44.694  | ng    | 98       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 46401    | 54.026  | ng    | 94       |
| 54) Dibenzofuran               | 10.20 | 168  | 201552   | 50.220  | ng    | 96       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 38145    | 63.628  | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 32672    | 33.537  | ng    | 93       |
| 57) Fluorene                   | 10.55 | 166  | 163328   | 51.285  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 45468    | 52.106  | ng    | # 77     |
| 59) Diethylphthalate           | 10.40 | 149  | 158798   | 46.679  | ng    | # 94     |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204  | 83935    | 50.371  | ng    | # 83     |
| 61) 4-Nitroaniline             | 10.58 | 138  | 50405    | 59.135  | ng    | 95       |
| 62) Azobenzene                 | 10.69 | 77   | 147087   | 43.906  | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198  | 2443     | 3.983   | ng    | # 23     |
| 65) n-Nitrosodiphenylamine     | 10.65 | 169  | 140528   | 42.106  | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 11.02 | 248  | 57466    | 48.527  | ng    | # 76     |
| 67) Hexachlorobenzene          | 11.10 | 284  | 61165    | 49.350  | ng    | # 81     |
| 68) Atrazine                   | 11.18 | 200  | 42140    | 39.718  | ng    | 94       |
| 69) Pentachlorophenol          | 11.31 | 266  | 26243    | 42.435  | ng    | 98       |
| 70) Phenanthrene               | 11.52 | 178  | 252530   | 52.766  | ng    | 99       |
| 71) Anthracene                 | 11.57 | 178  | 262965   | 53.832  | ng    | 99       |
| 72) Carbazole                  | 11.73 | 167  | 238617   | 52.174  | ng    | 98       |
| 73) Di-n-butylphthalate        | 12.03 | 149  | 261157   | 48.470  | ng    | 98       |
| 74) Fluoranthene               | 12.71 | 202  | 294073   | 55.749  | ng    | 96       |
| 76) Benzidine                  | 12.84 | 184  | 251649   | 119.761 | ng    | 97       |
| 77) Pyrene                     | 12.95 | 202  | 287941   | 59.182  | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.54 | 149  | 117760   | 58.869  | ng    | # 98     |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 224430   | 49.909  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 86255    | 54.577  | ng    | # 97     |
| 82) Chrysene                   | 14.18 | 228  | 211937   | 51.230  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 149408   | 58.421  | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.71 | 149  | 235722   | 56.545  | ng    | # 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.29 | 276  | 183275   | 52.204  | ng    | # 90     |
| 87) Benzo(b)fluoranthene       | 15.23 | 252  | 172920   | 49.392  | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 15.26 | 252  | 164063   | 49.209  | ng    | # 95     |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 160395   | 51.536  | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 17.29 | 278  | 154236   | 58.475  | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 17.78 | 276  | 150668   | 58.442  | ng    | # 90     |
| -----                          |       |      |          |         |       |          |

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



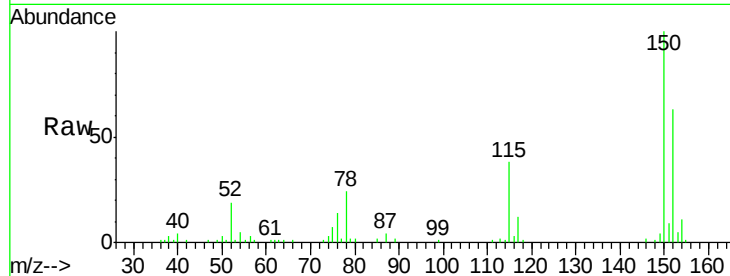


#1

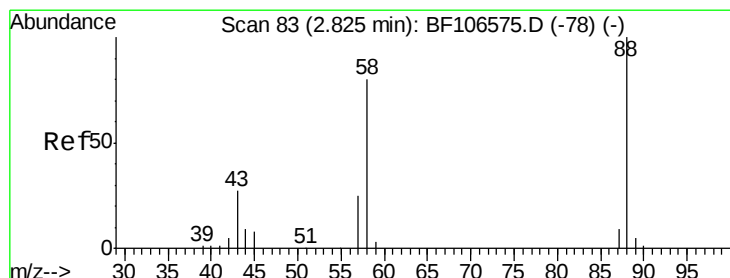
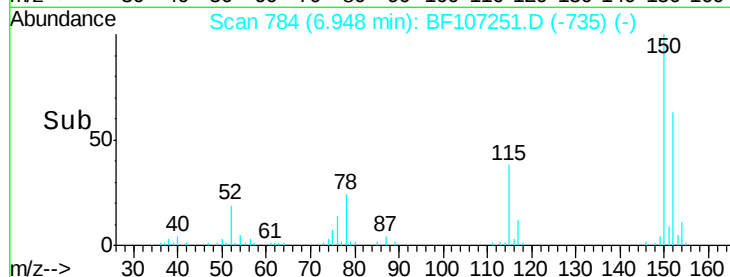
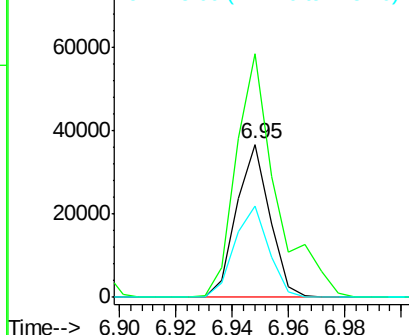
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Tgt Ion: 152 Resp: 30156  
 Ion Ratio Lower Upper  
 152 100  
 150 158.9 124.6 186.8  
 115 59.9 50.1 75.1



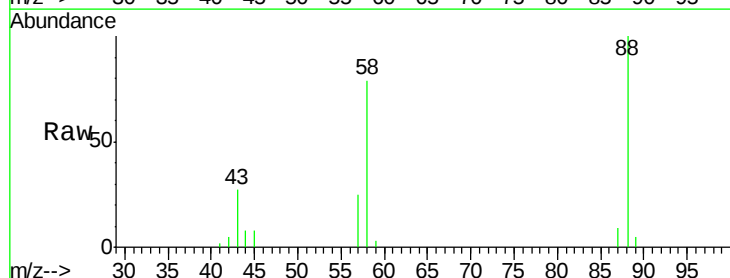
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



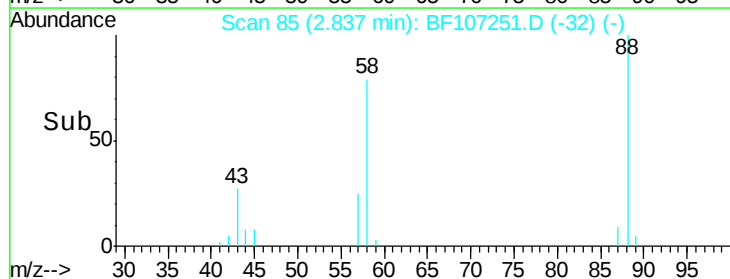
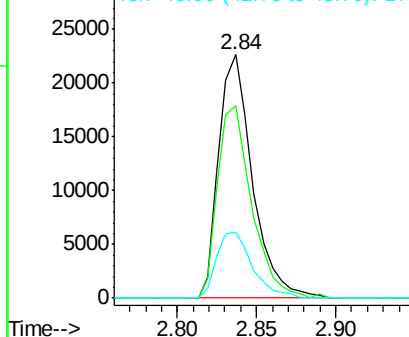
#2

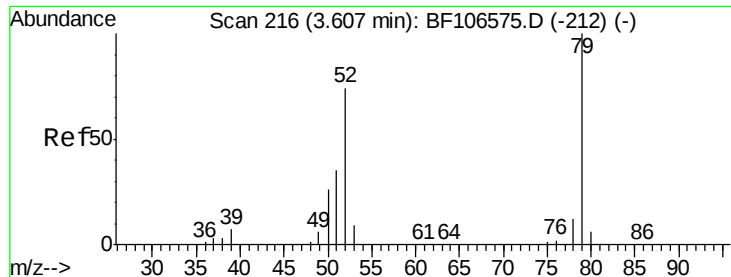
1,4-Dioxane  
 Concen: 36.627 ng  
 RT: 2.84 min Scan# 85  
 Delta R.T. 0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 88 Resp: 33535  
 Ion Ratio Lower Upper  
 88 100  
 58 79.6 62.6 93.8  
 43 28.6 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1  
 Ion 58.00 (57.70 to 58.70): BF1  
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 41.715 ng

RT: 3.62 min Scan# 218

Delta R.T. 0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

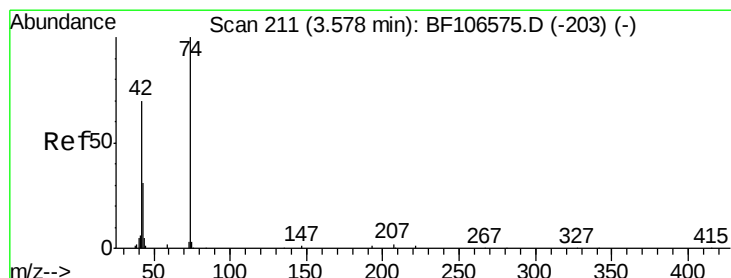
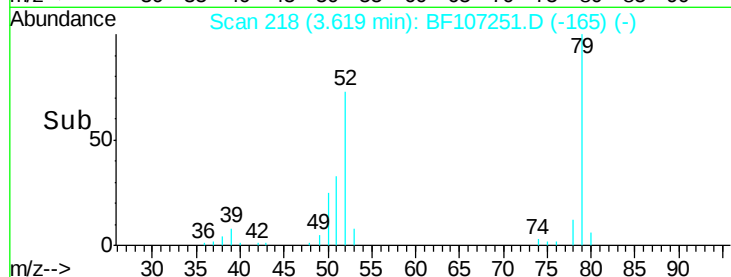
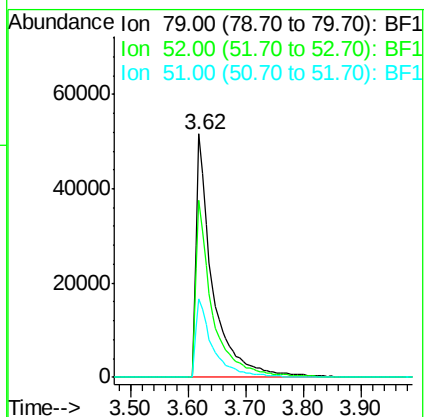
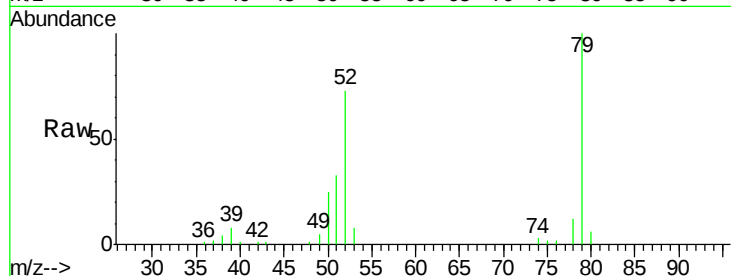
Tgt Ion: 79 Resp: 103582

Ion Ratio Lower Upper

79 100

52 72.9 59.8 89.6

51 32.5 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 39.776 ng

RT: 3.59 min Scan# 213

Delta R.T. -0.00 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

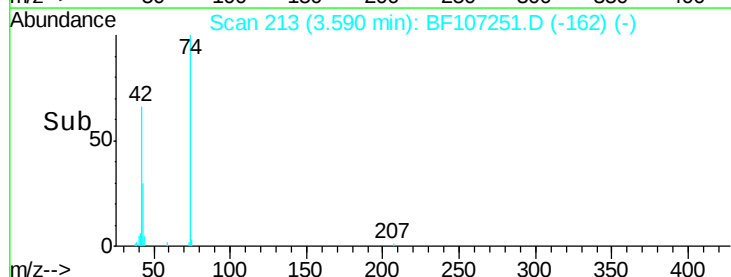
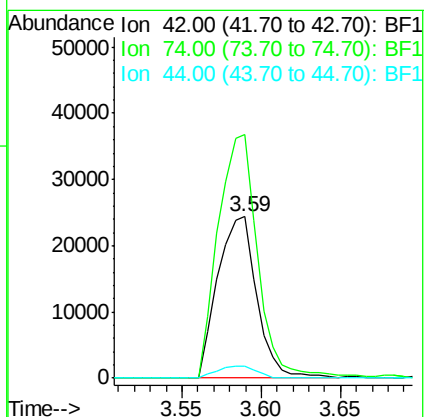
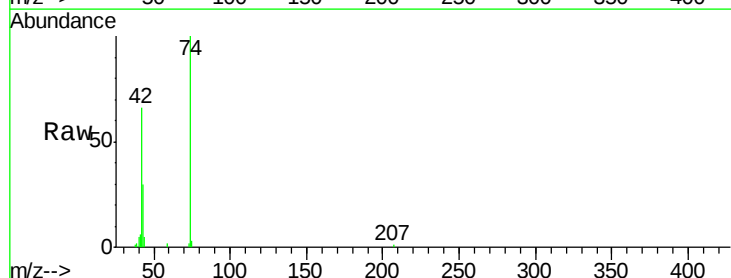
Tgt Ion: 42 Resp: 41949

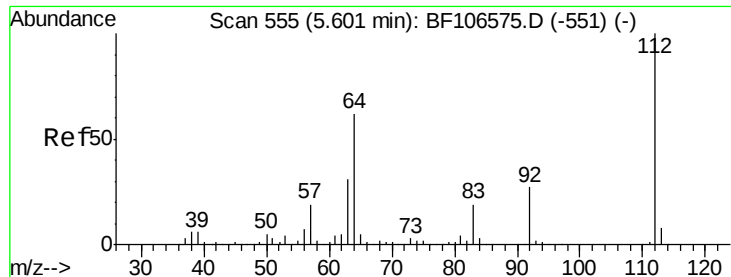
Ion Ratio Lower Upper

42 100

74 151.0 104.9 157.3

44 7.7 6.9 10.3





#5

2-Fluorophenol

Concen: 100.582 ng

RT: 5.60 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

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PB110915BSD

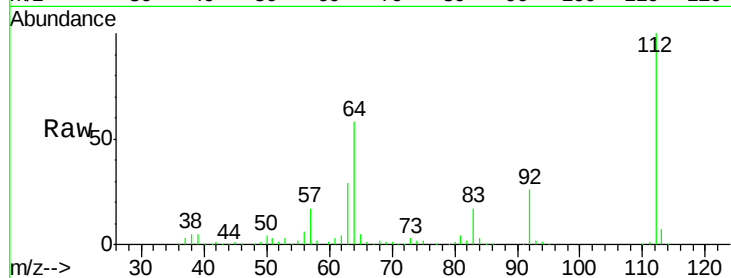
Tgt Ion: 112 Resp: 179124

Ion Ratio Lower Upper

112 100

64 58.5 47.9 71.9

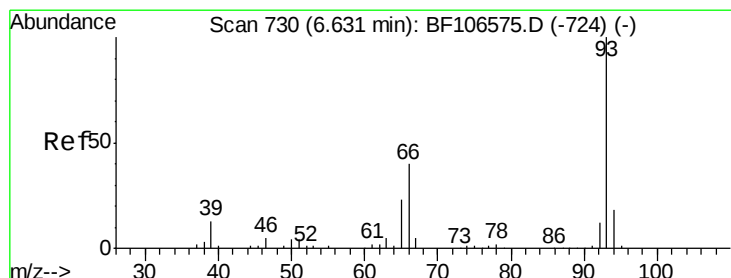
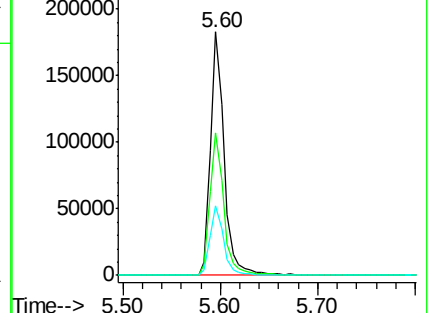
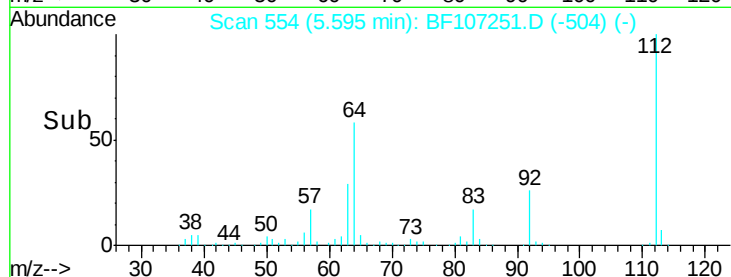
63 28.7 23.7 35.5



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: 28.712 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

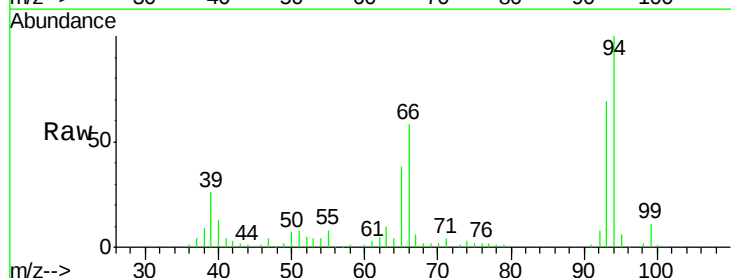
Tgt Ion: 93 Resp: 86617

Ion Ratio Lower Upper

93 100

66 83.7 32.2 48.2#

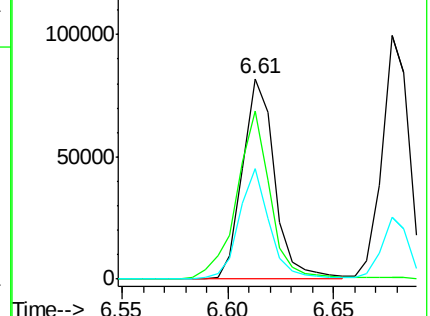
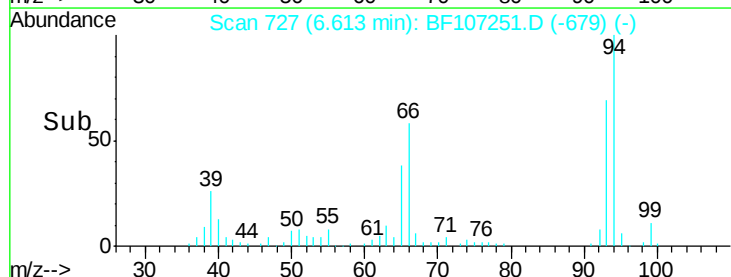
65 55.1 16.4 24.6#



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: 91.914 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107251.D

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BNA\_F

ClientSampleId :

PB110915BSD

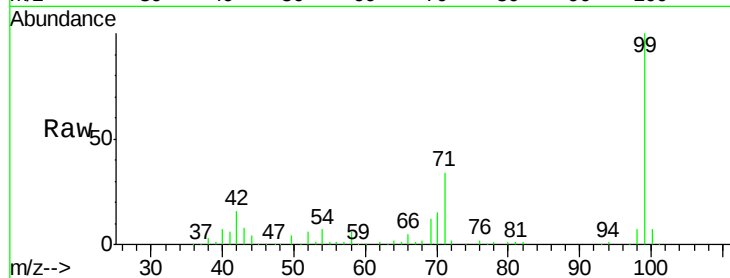
Tgt Ion: 99 Resp: 204414

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

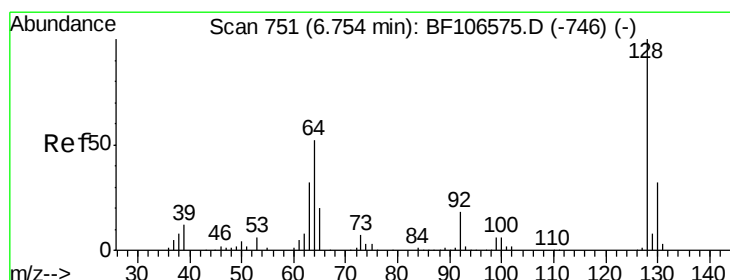
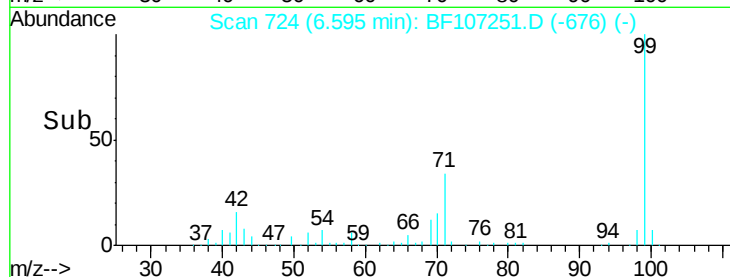
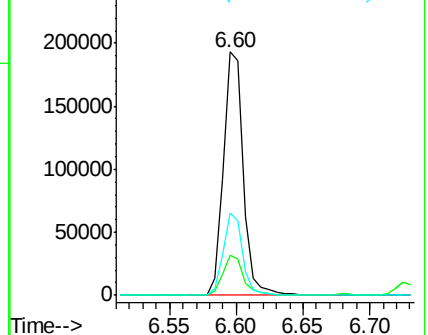
71 33.6 25.4 38.0



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: 44.670 ng

RT: 6.74 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

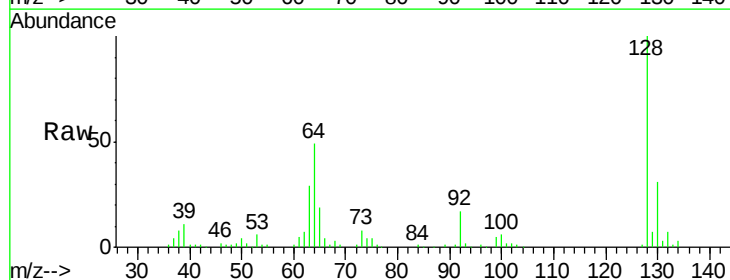
Tgt Ion: 128 Resp: 87253

Ion Ratio Lower Upper

128 100

130 31.0 13.0 53.0

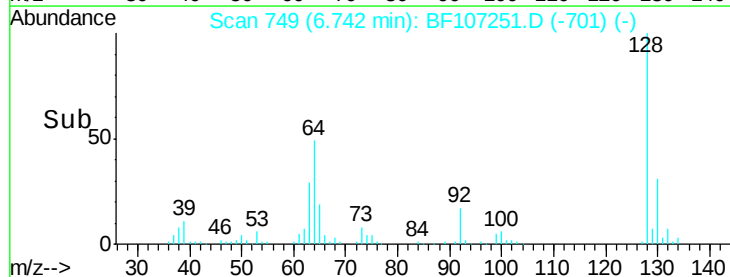
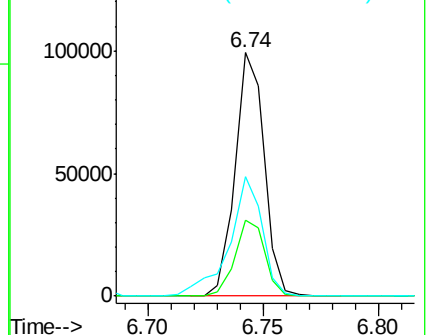
64 49.1 29.4 69.4

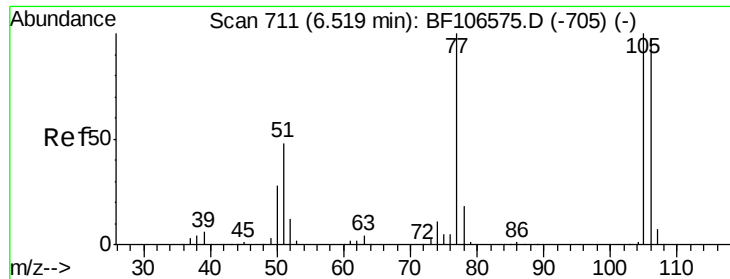


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 21.299 ng

RT: 6.51 min Scan# 709

Delta R.T. -0.01 min

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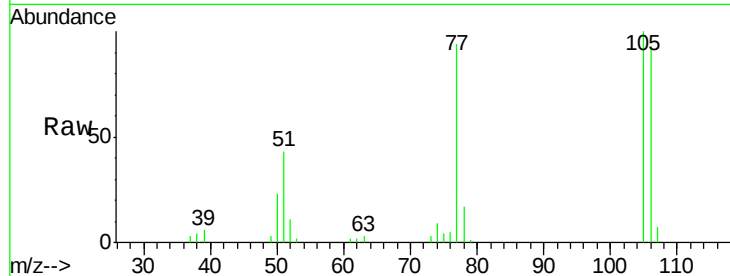
Tgt Ion: 77 Resp: 36616

Ion Ratio Lower Upper

77 100

105 106.7 81.1 121.1

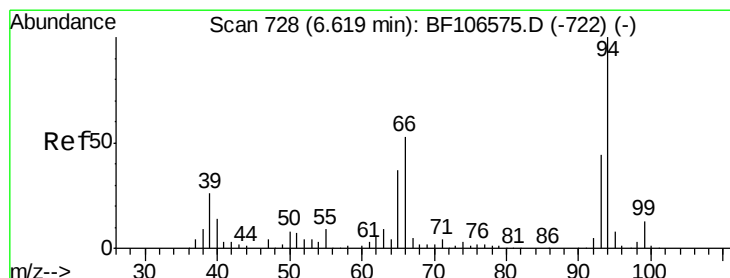
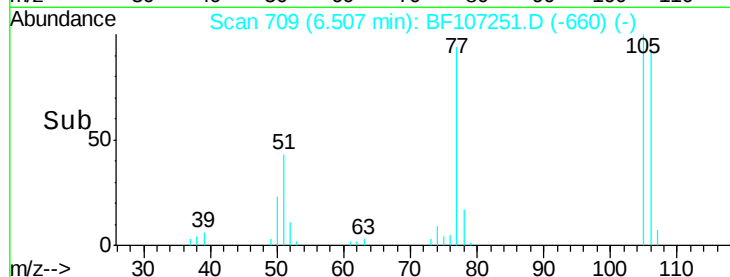
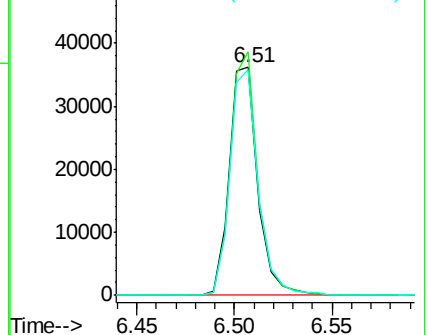
106 99.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.959 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

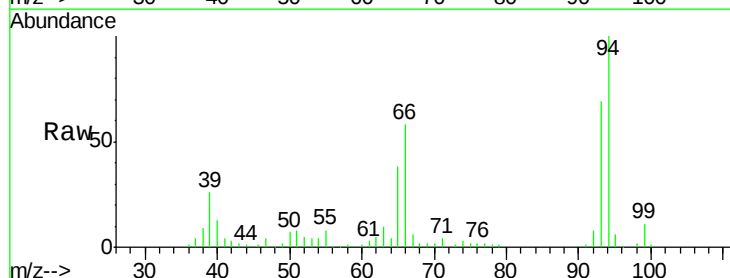
Tgt Ion: 94 Resp: 106496

Ion Ratio Lower Upper

94 100

65 38.1 7.9 47.9

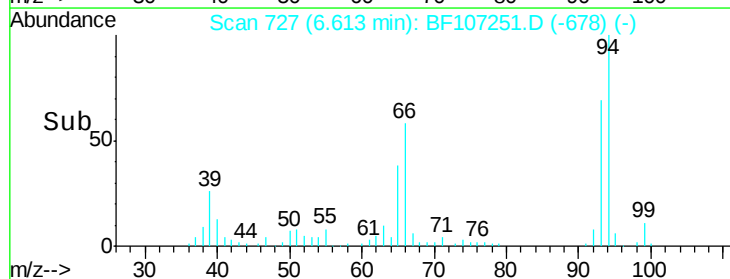
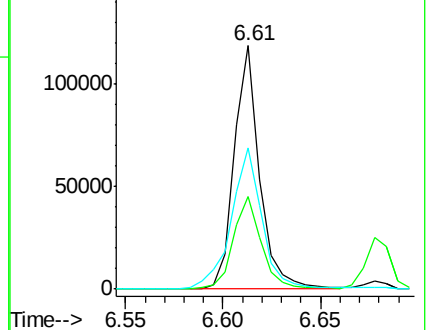
66 57.8 16.2 56.2#

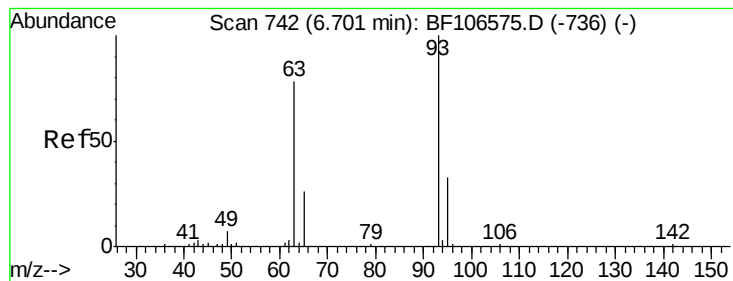


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

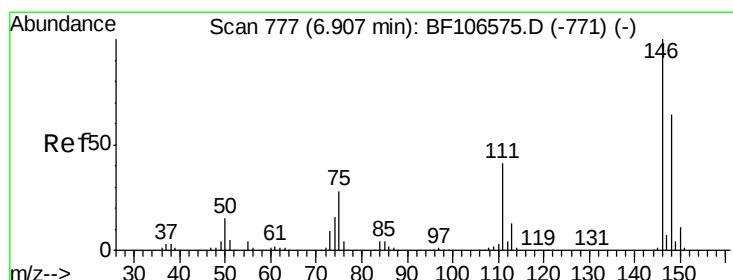
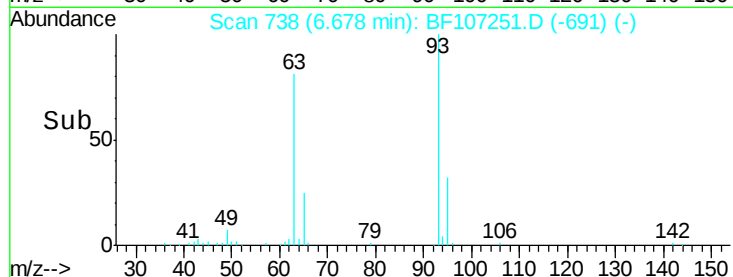
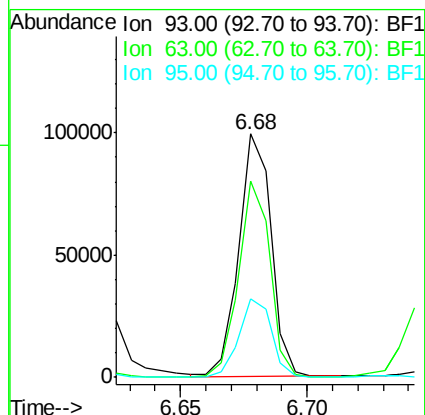
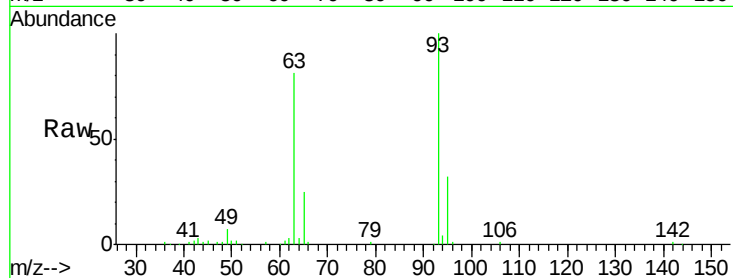




#11  
 bis(2-Chloroethyl)ether  
 Concen: 42.092 ng  
 RT: 6.68 min Scan# 738  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

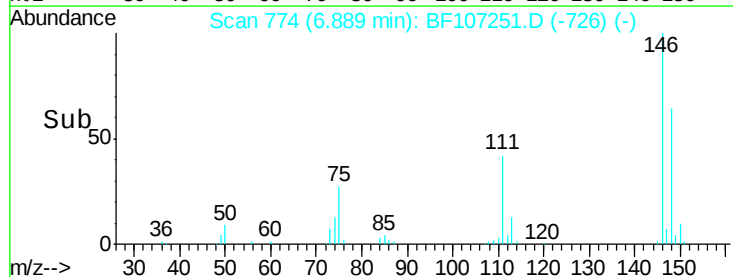
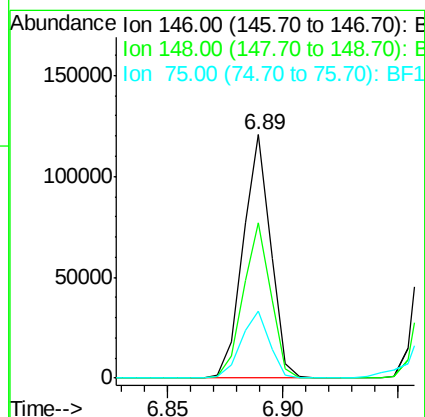
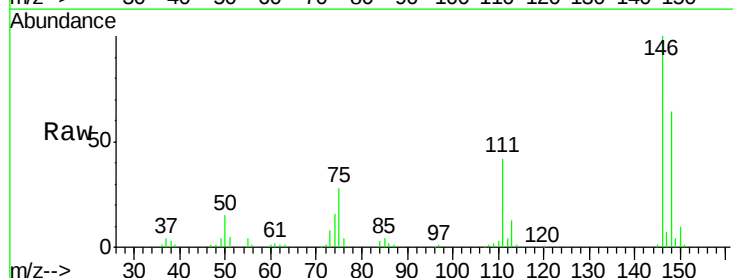
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

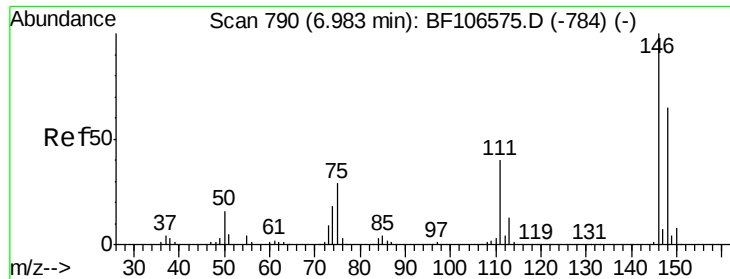
Tgt Ion: 93 Resp: 88196  
 Ion Ratio Lower Upper  
 93 100  
 63 80.8 58.6 98.6  
 95 32.2 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 43.886 ng  
 RT: 6.89 min Scan# 774  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 146 Resp: 100401  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 51.8 77.8  
 75 27.7 24.2 36.4

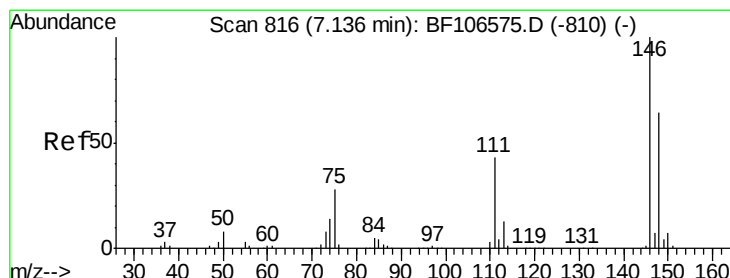
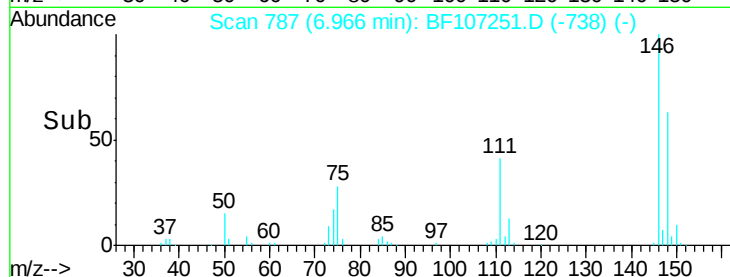
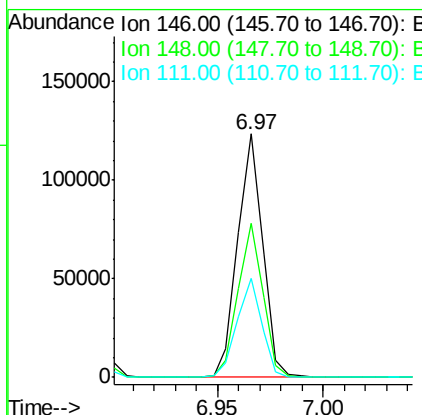
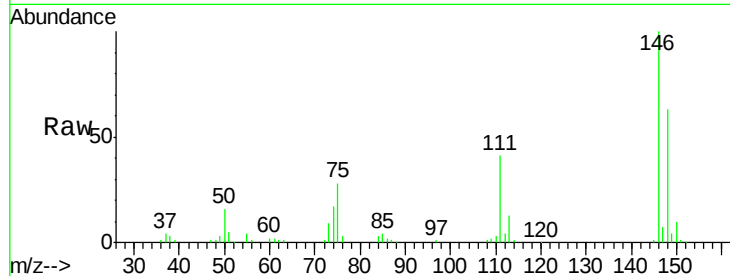




#13  
 1,4-Dichlorobenzene  
 Concen: 43.686 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

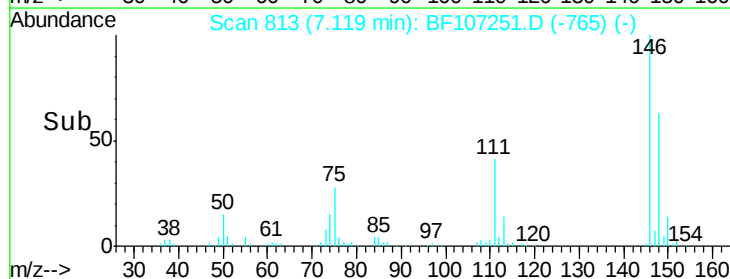
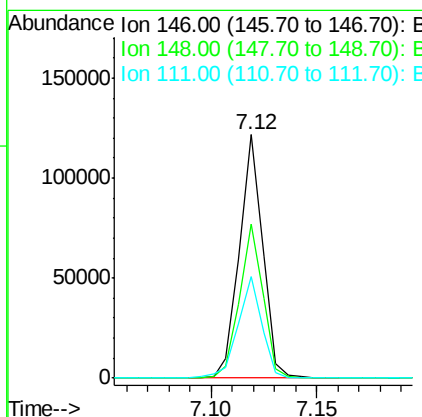
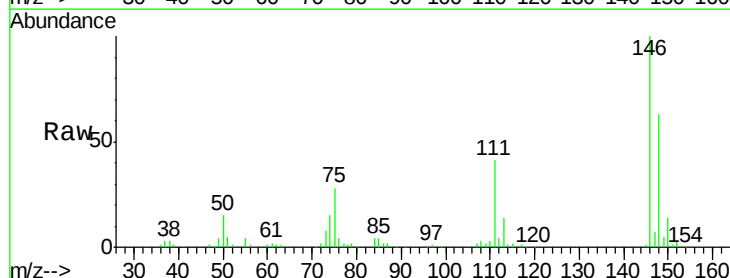
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

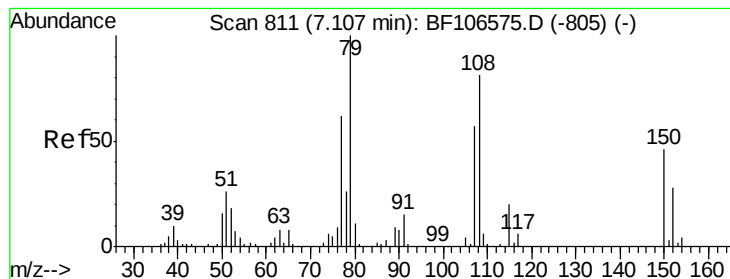
Tgt Ion:146 Resp: 101042  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 50.8 76.2  
 111 40.7 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 43.543 ng  
 RT: 7.12 min Scan# 813  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion:146 Resp: 92299  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.6 75.8  
 111 41.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 37.093 ng

RT: 7.10 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

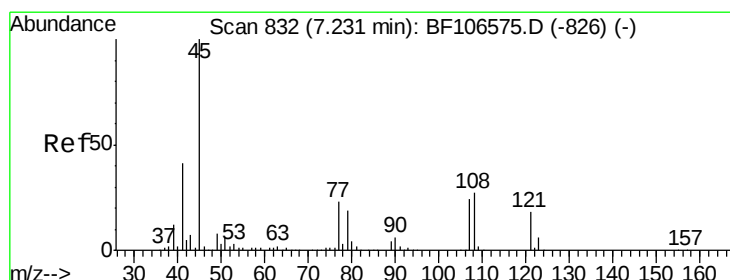
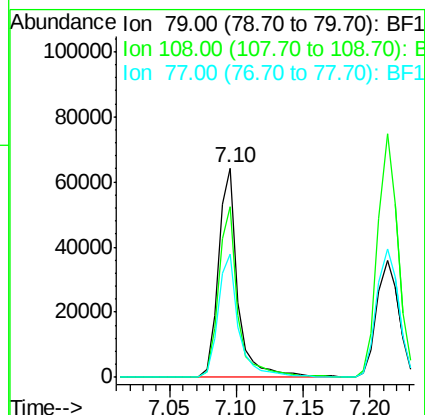
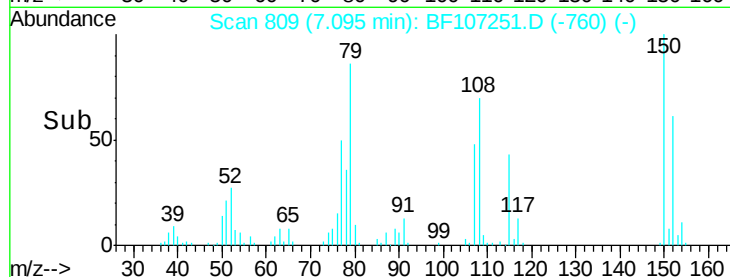
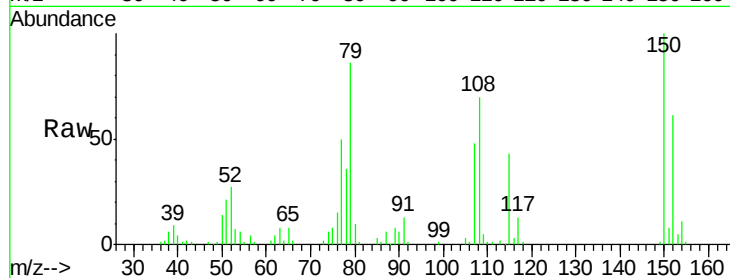
Tgt Ion: 79 Resp: 66240

Ion Ratio Lower Upper

79 100

108 81.7 65.1 97.7

77 58.6 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.243 ng

RT: 7.21 min Scan# 829

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

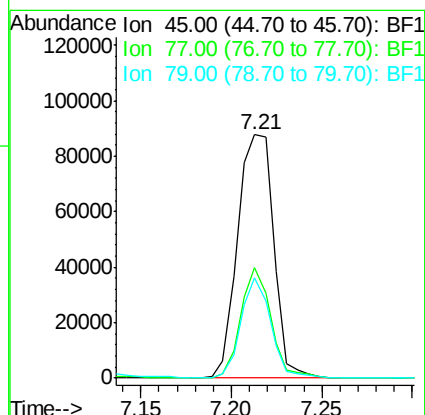
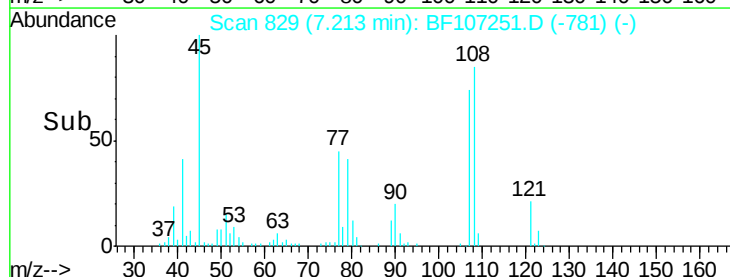
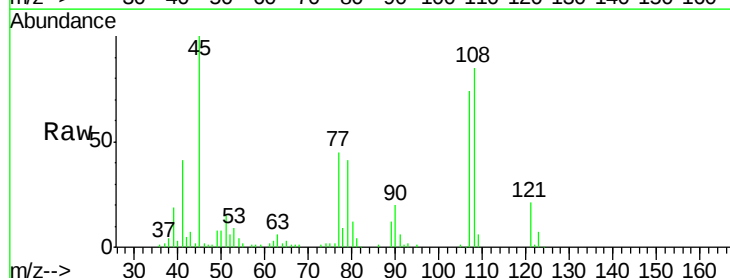
Tgt Ion: 45 Resp: 121631

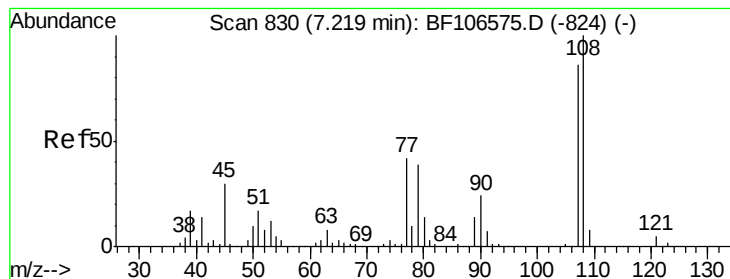
Ion Ratio Lower Upper

45 100

77 45.1 0.0 32.9#

79 41.0 0.0 29.6#





#17

2-Methylphenol

Concen: 41.606 ng

RT: 7.21 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

Tgt Ion:107 Resp: 69548

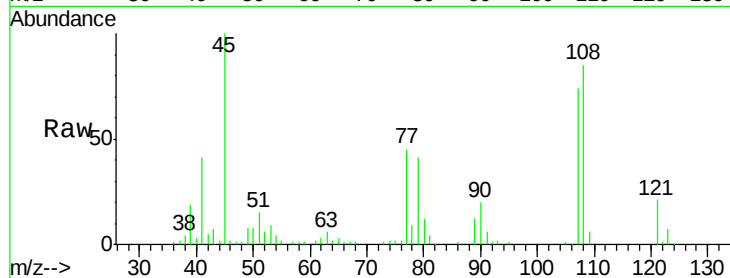
Ion Ratio Lower Upper

107 100

108 114.6 91.7 137.5

77 60.7 33.8 50.8#

79 55.2 33.8 50.8#

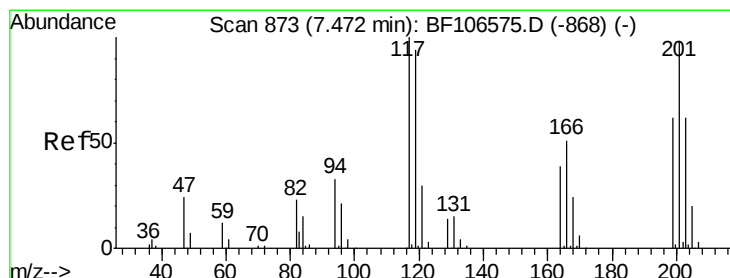
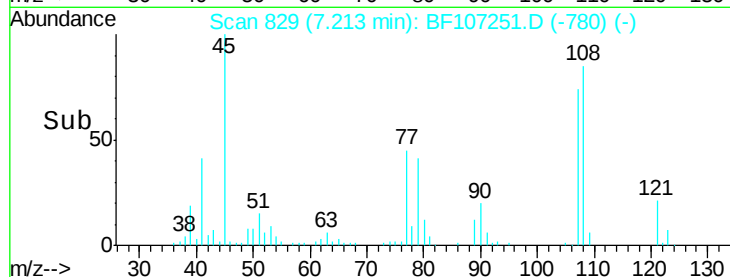
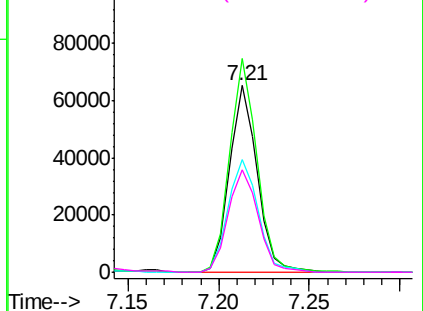


Abundance Ion 107.00 (106.70 to 107.70): E

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: 21.684 ng

RT: 7.45 min Scan# 870

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

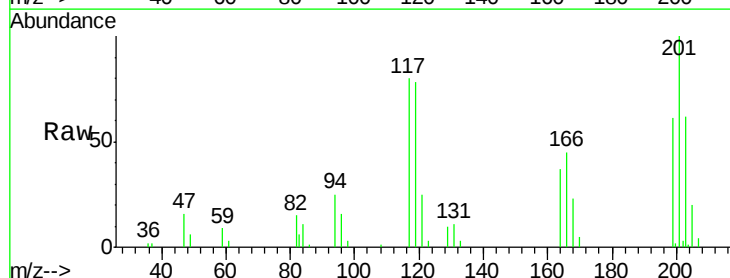
Tgt Ion:117 Resp: 17637

Ion Ratio Lower Upper

117 100

119 96.9 75.8 113.8

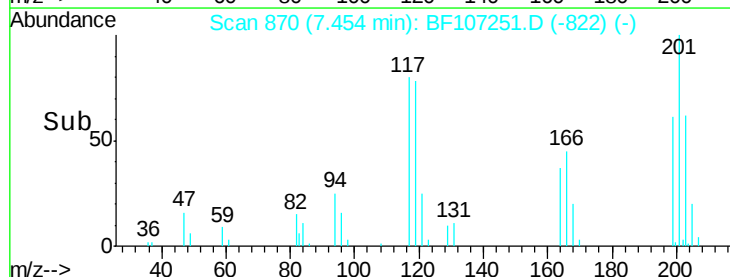
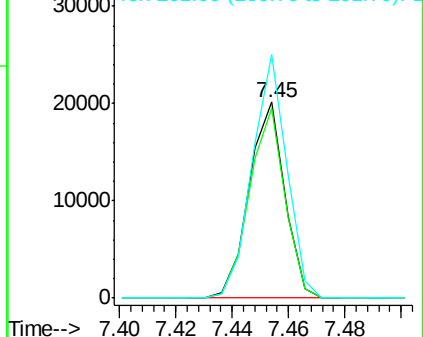
201 124.4 75.7 113.5#

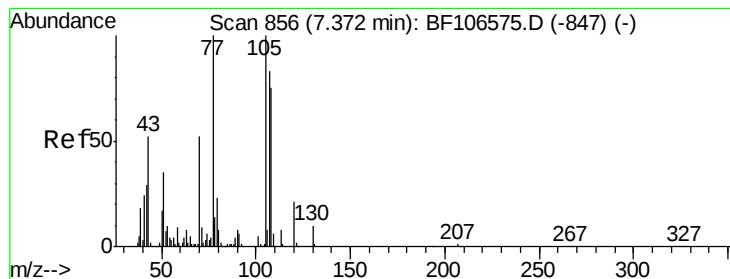


Abundance Ion 117.00 (116.70 to 117.70): E

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: 40.307 ng

RT: 7.35 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

Tgt Ion: 70 Resp: 59089

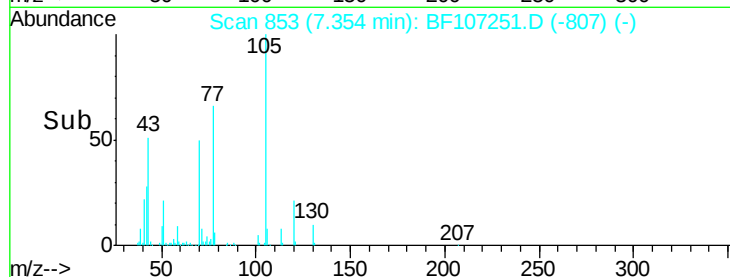
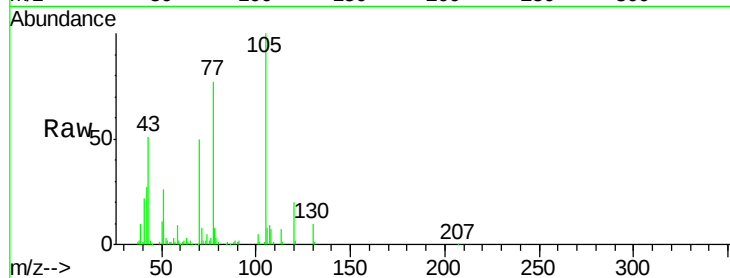
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 9.6 7.4 11.2

130 19.7 16.6 25.0

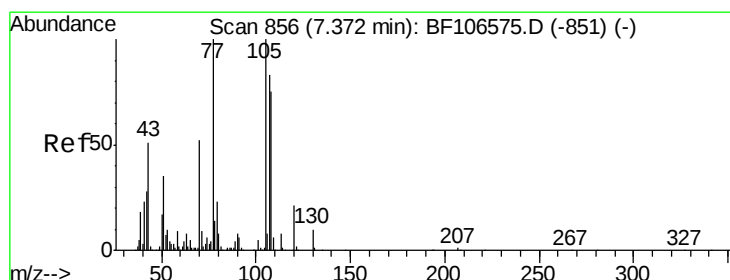
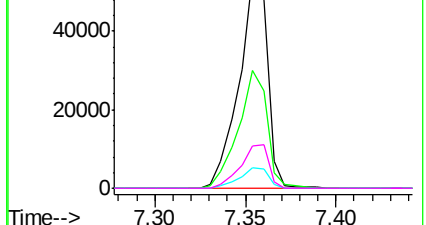


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 53.635 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Tgt Ion: 107 Resp: 91617

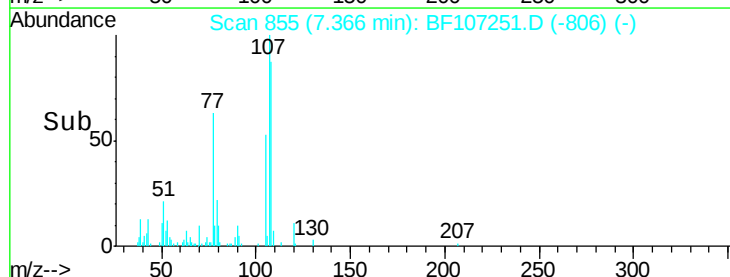
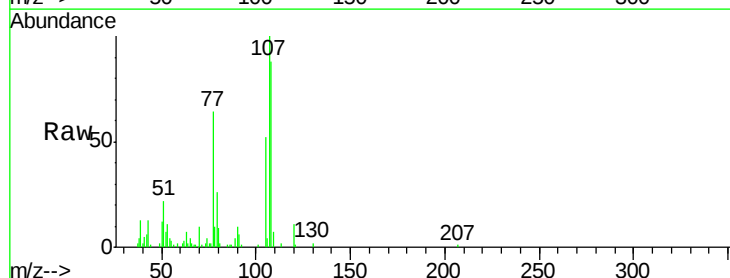
Ion Ratio Lower Upper

107 100

108 88.3 68.2 108.2

77 64.3 26.7 66.7

79 25.6 6.3 46.3

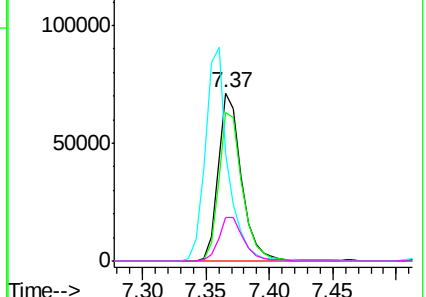


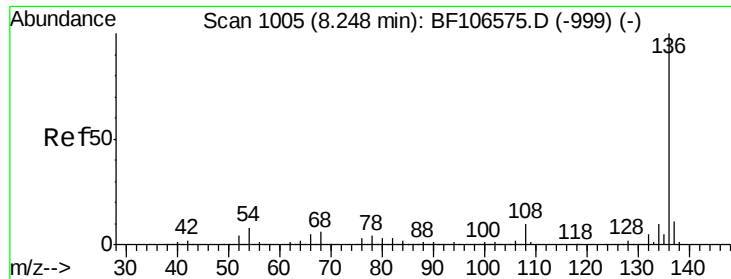
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

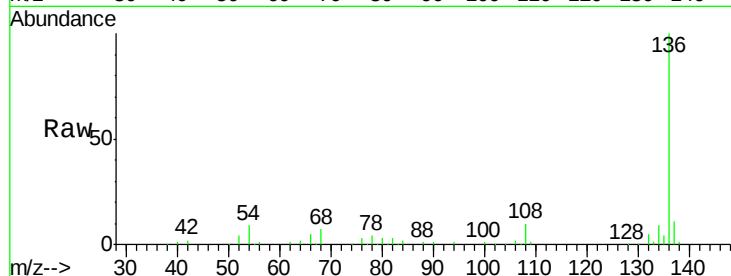




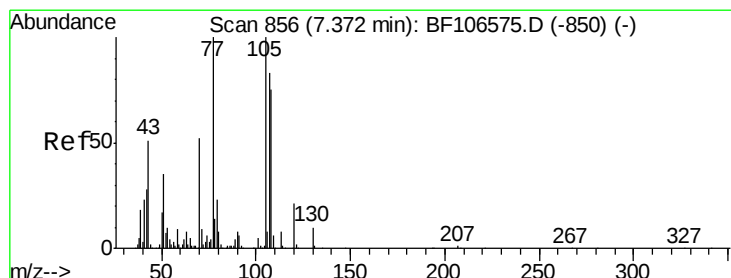
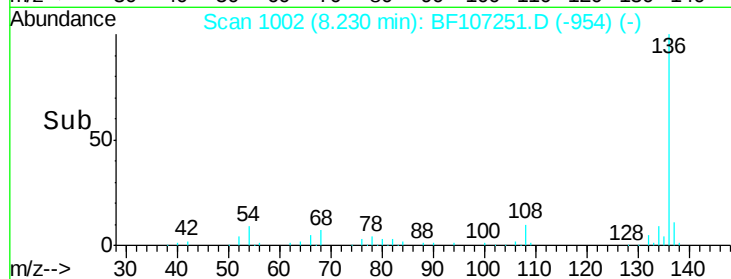
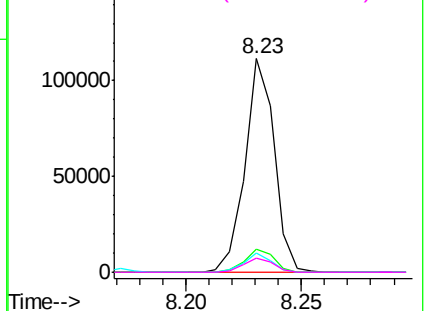
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1002  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 99090 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.9   | 13.3  |
| 54       | 8.7   | 6.6   | 9.8   |
| 68       | 6.7   | 5.0   | 7.4   |

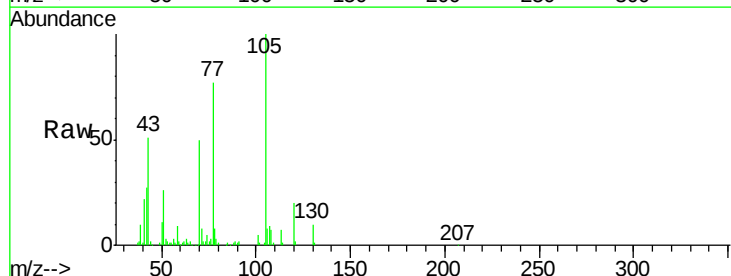


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

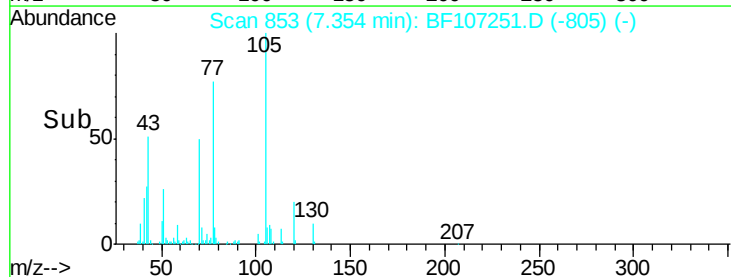
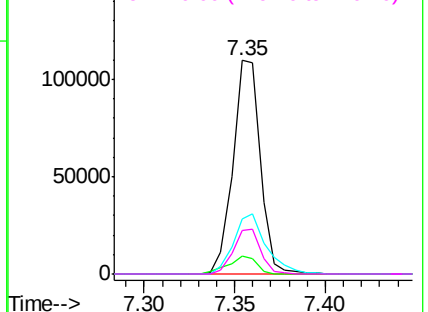


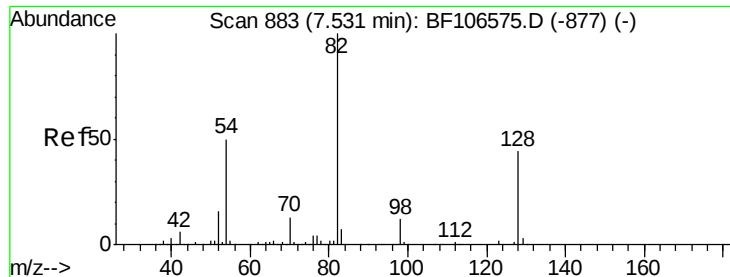
#22  
Acetophenone  
Concen: 52.132 ng  
RT: 7.35 min Scan# 853  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 115571 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 8.4   | 4.4   | 6.6#   |
| 51       | 26.1  | 22.3  | 33.5   |
| 120      | 20.4  | 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

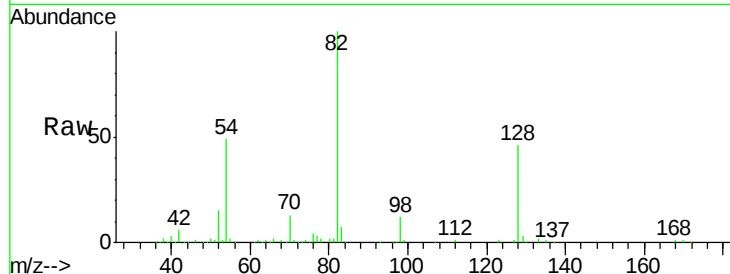




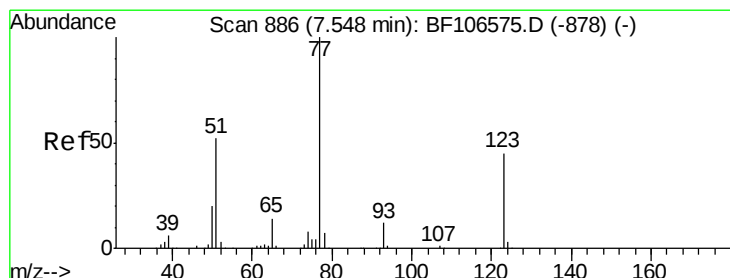
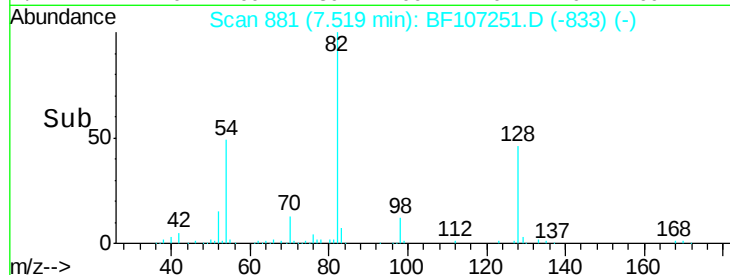
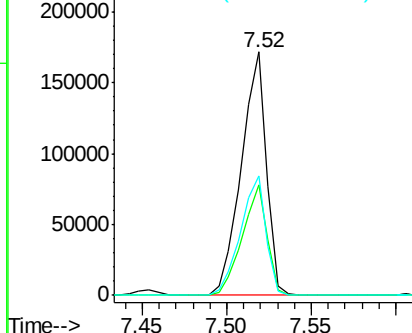
#23  
 Nitrobenzene-d5  
 Concen: 100.076 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.6  | 36.1  | 54.1  |
| 54      | 49.1  | 41.4  | 62.2  |

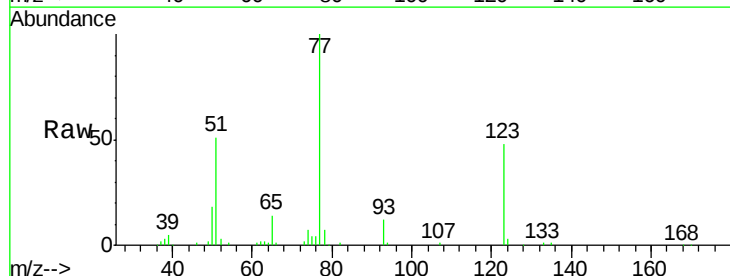


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

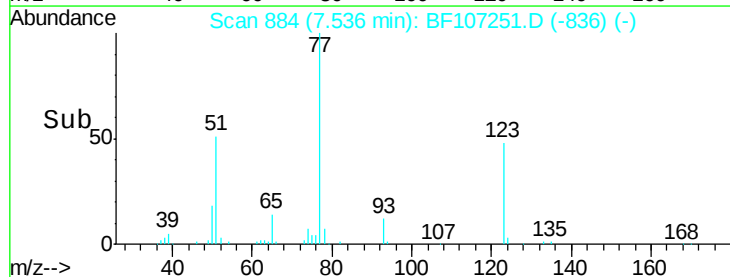
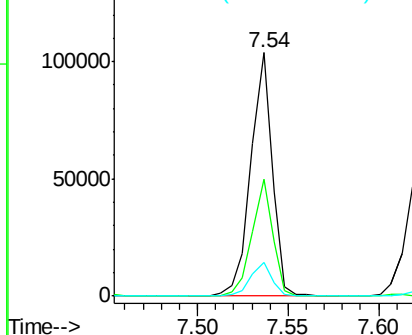


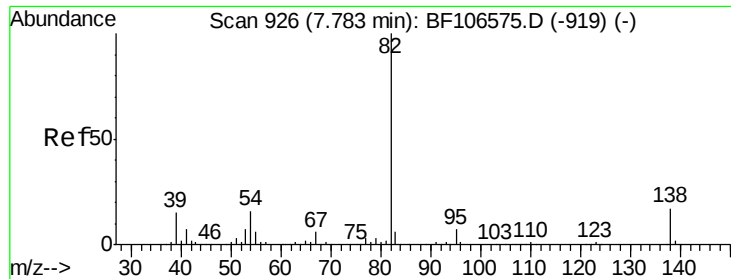
#24  
 Nitrobenzene  
 Concen: 47.167 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 47.8  | 37.9  | 56.9  |
| 65      | 13.6  | 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: 50.639 ng

RT: 7.77 min Scan# 924

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

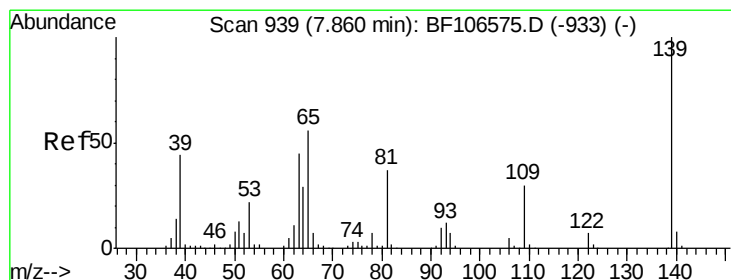
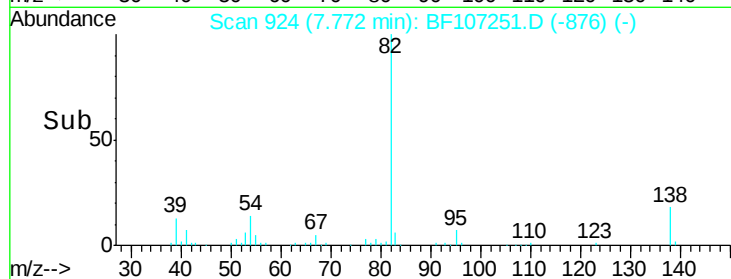
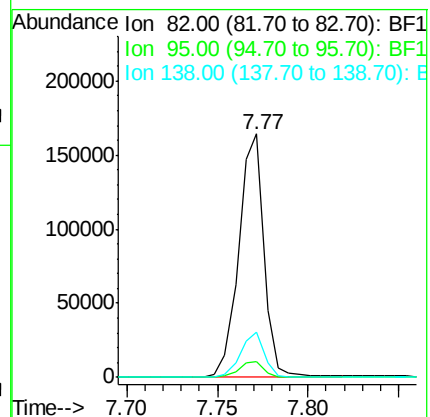
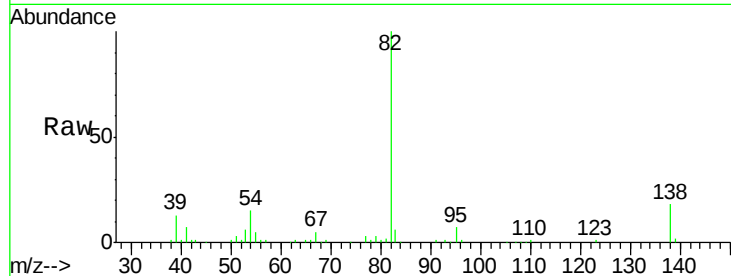
Tgt Ion: 82 Resp: 159107

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

138 18.3 14.9 22.3



#26

2-Nitrophenol

Concen: 34.693 ng

RT: 7.85 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

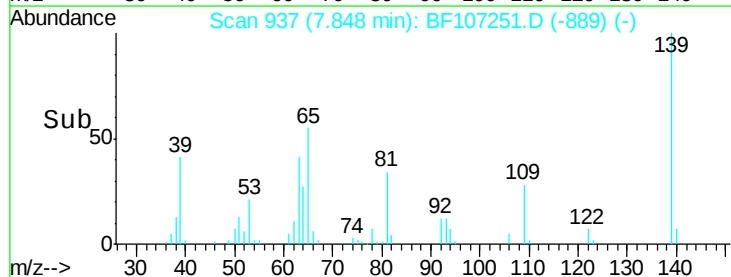
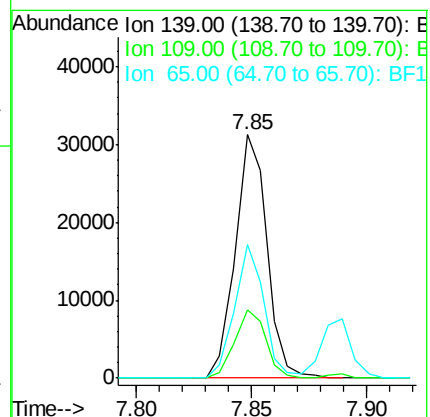
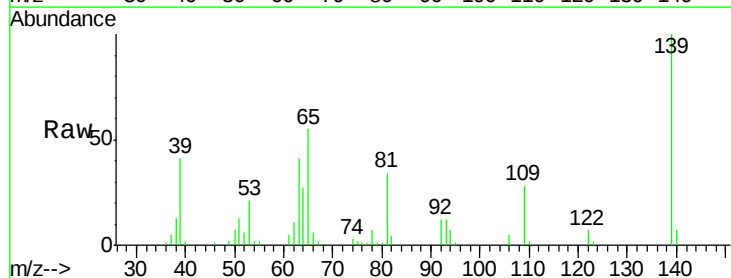
Tgt Ion: 139 Resp: 29814

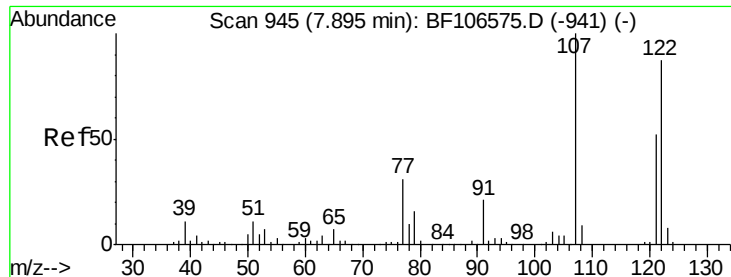
Ion Ratio Lower Upper

139 100

109 28.3 22.7 34.1

65 54.8 40.5 60.7

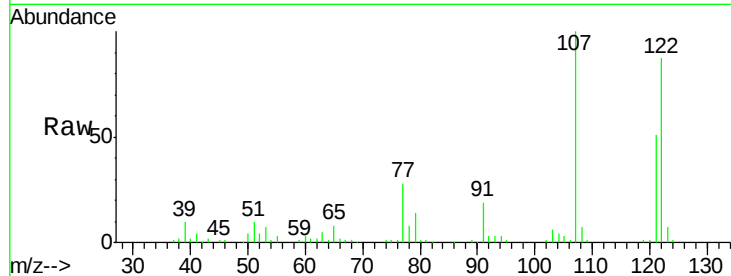




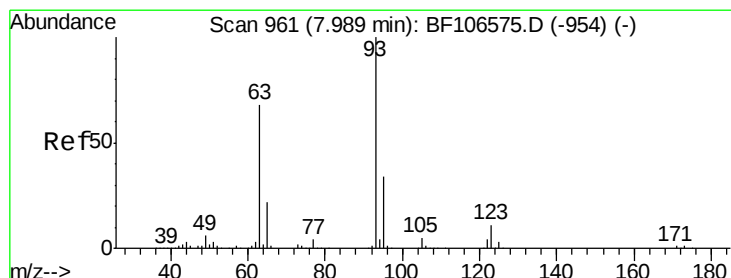
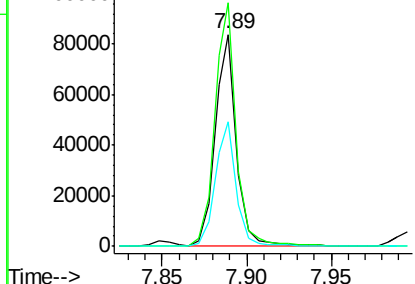
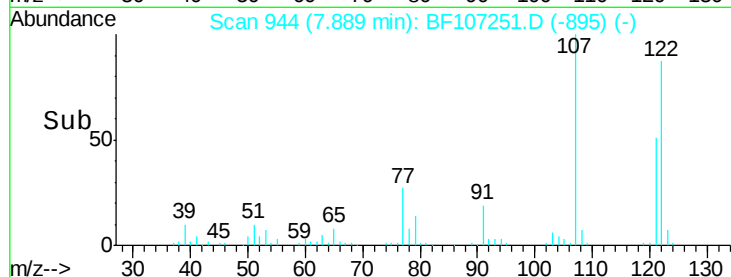
#27  
 2,4-Dimethylphenol  
 Concen: 55.385 ng  
 RT: 7.89 min Scan# 944  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Tgt Ion: 122 Resp: 73567  
 Ion Ratio Lower Upper  
 122 100  
 107 114.7 91.2 136.8  
 121 58.6 47.2 70.8

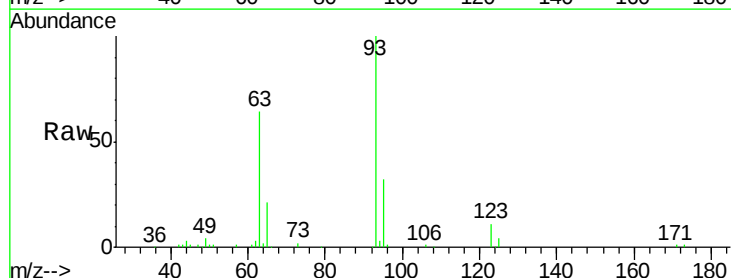


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

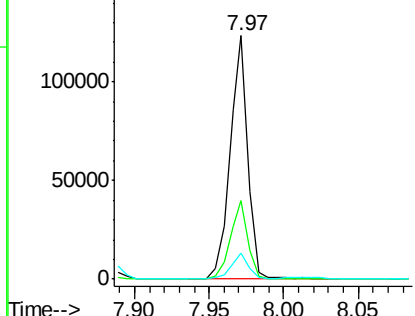
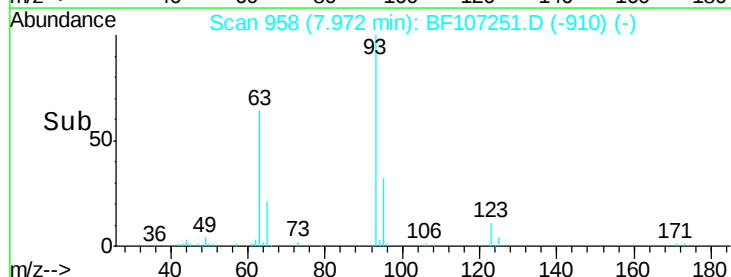


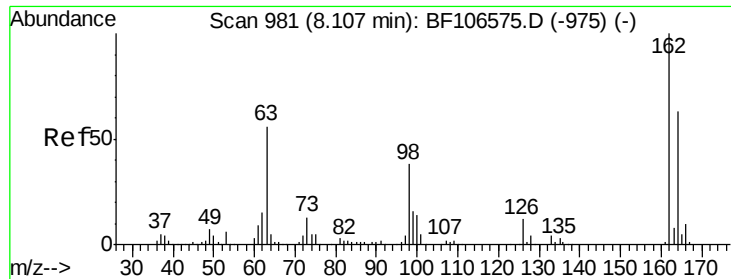
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.162 ng  
 RT: 7.97 min Scan# 958  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 93 Resp: 103712  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 26.3 39.5  
 123 10.5 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E

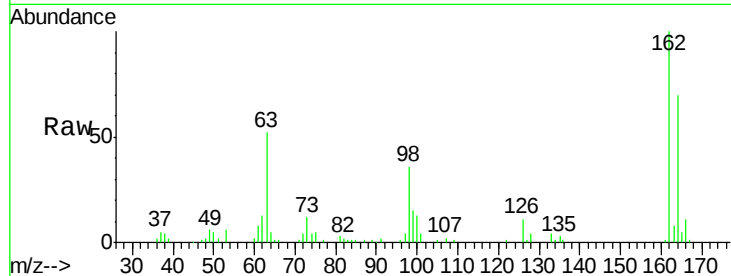




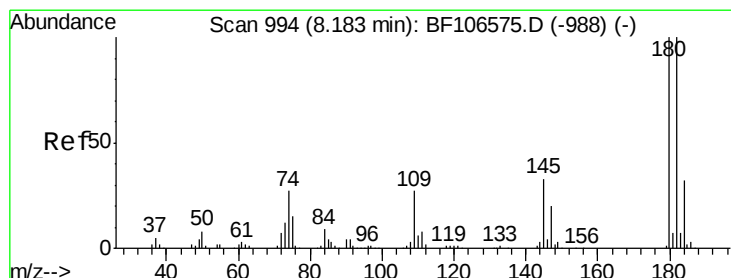
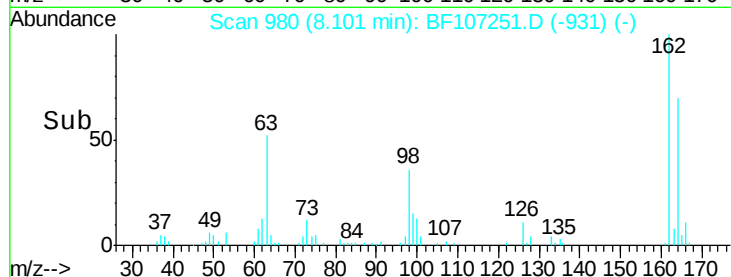
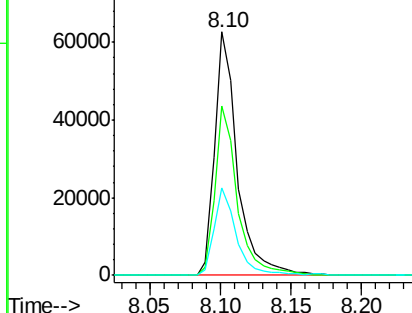
#29  
2,4-Dichlorophenol  
Concen: 50.204 ng  
RT: 8.10 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 69.5  | 42.7  | 82.7  |
| 98      | 36.0  | 18.1  | 58.1  |

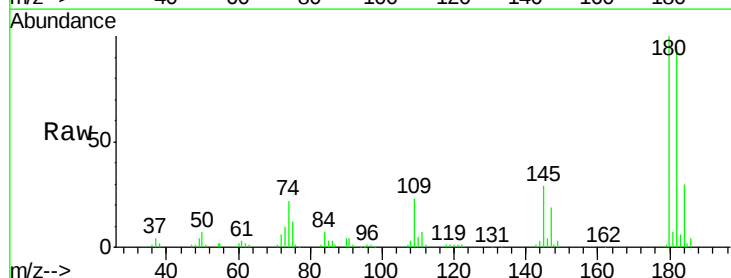


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

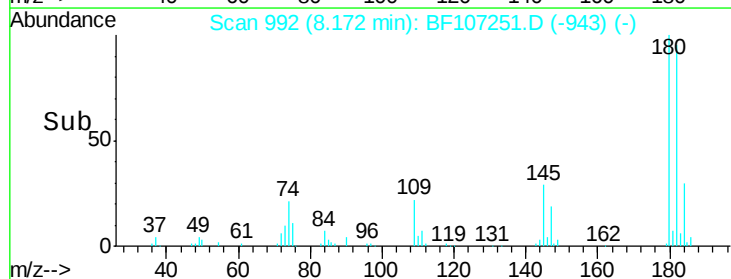
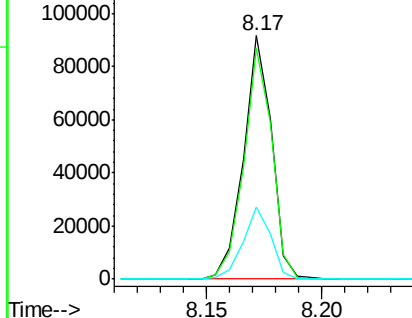


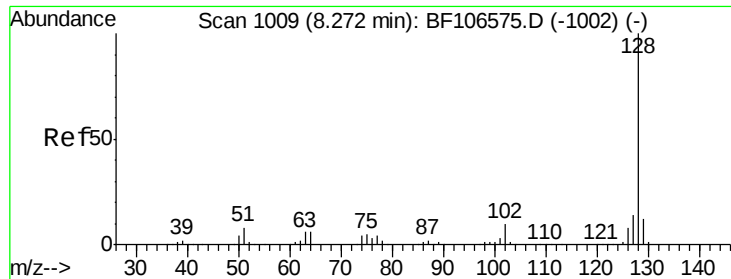
#30  
1,2,4-Trichlorobenzene  
Concen: 50.863 ng  
RT: 8.17 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 76.8  | 115.2 |
| 145     | 29.5  | 26.5  | 39.7  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

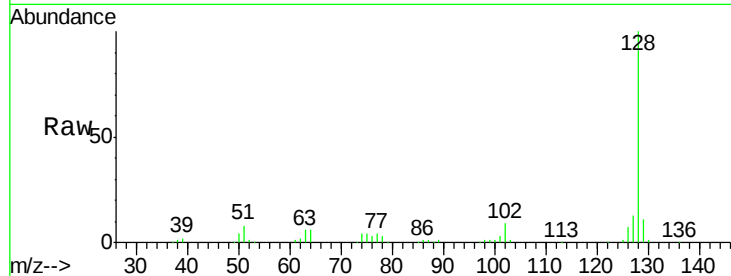




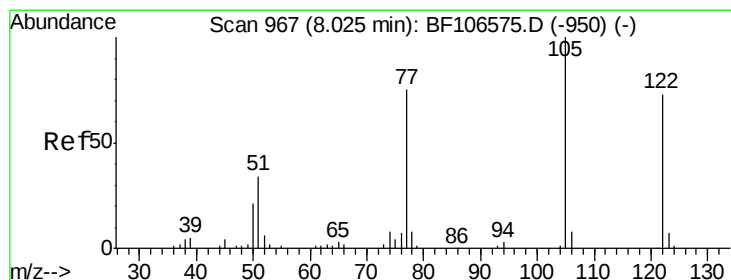
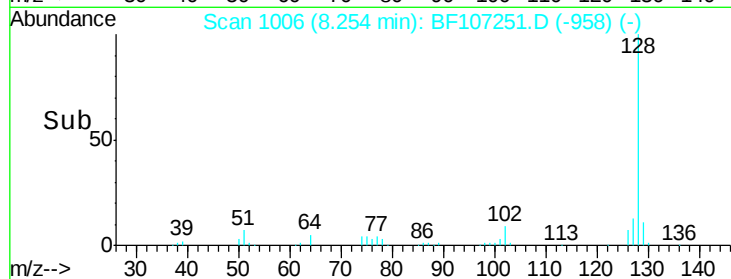
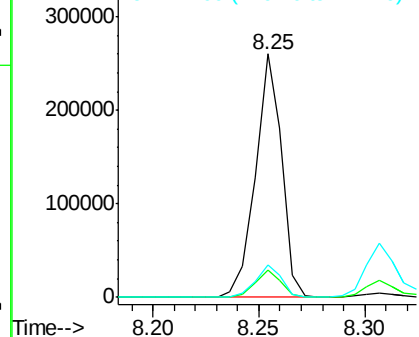
#31  
Naphthalene  
Concen: 48.568 ng  
RT: 8.25 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion:128 Resp: 225003  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.2 10.9 16.3

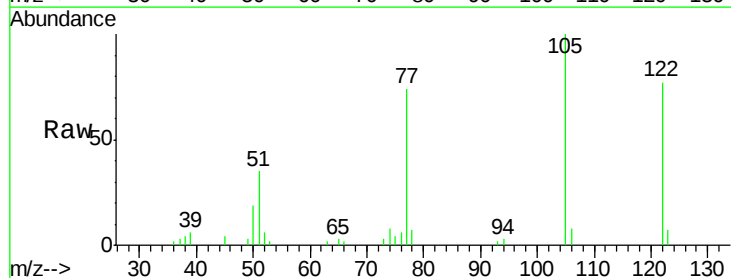


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

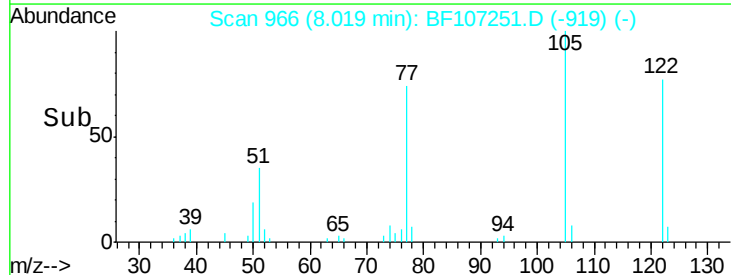
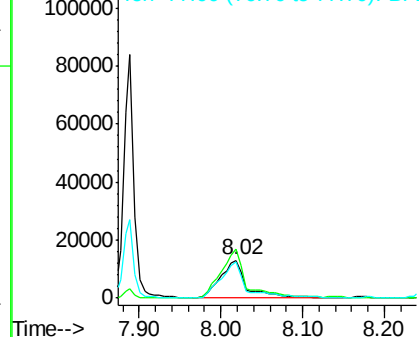


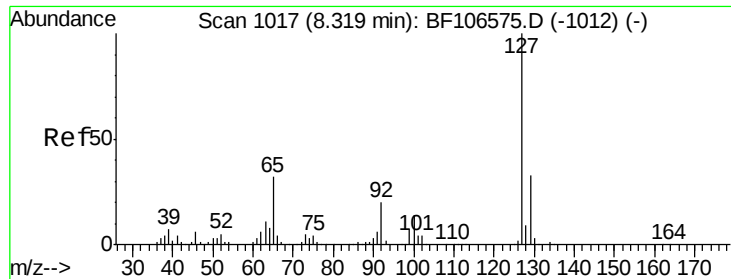
#32  
Benzoic acid  
Concen: 32.782 ng  
RT: 8.02 min Scan# 966  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:122 Resp: 29680  
Ion Ratio Lower Upper  
122 100  
105 129.8 101.1 141.1  
77 95.7 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

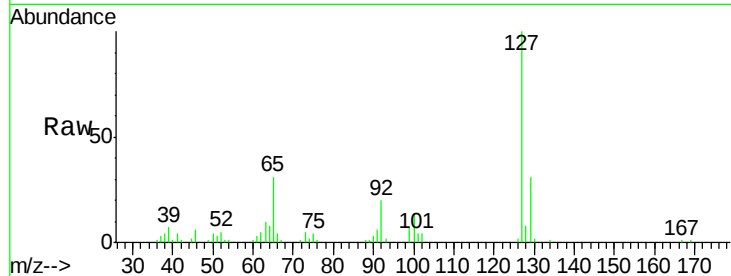




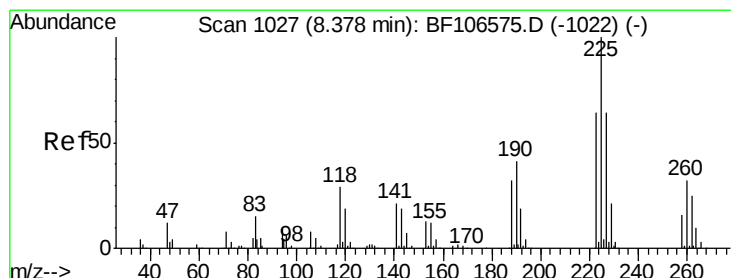
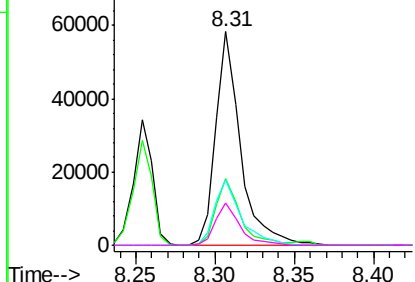
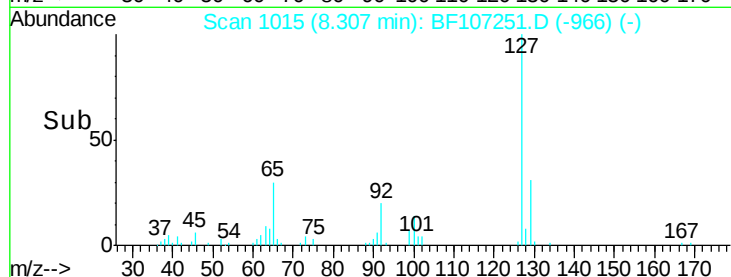
#33  
4-Chloroaniline  
Concen: 32.767 ng  
RT: 8.31 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 63696 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.1  | 25.9  | 38.9  |
| 65       | 30.7  | 25.0  | 37.4  |
| 92       | 19.7  | 15.2  | 22.8  |

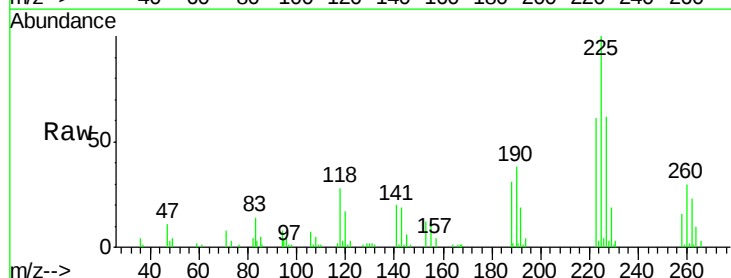


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

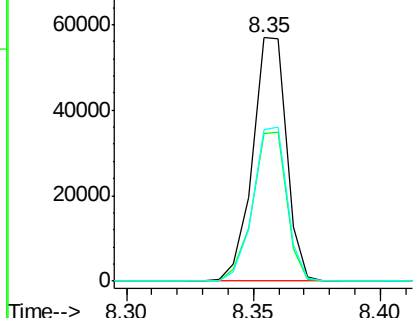
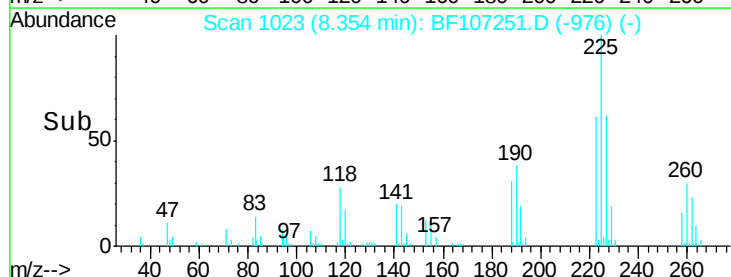


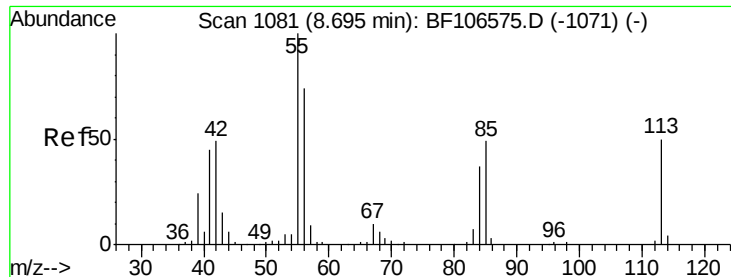
#34  
Hexachlorobutadiene  
Concen: 53.522 ng  
RT: 8.35 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 53426 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.7  | 50.6  | 76.0  |
| 227      | 62.4  | 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

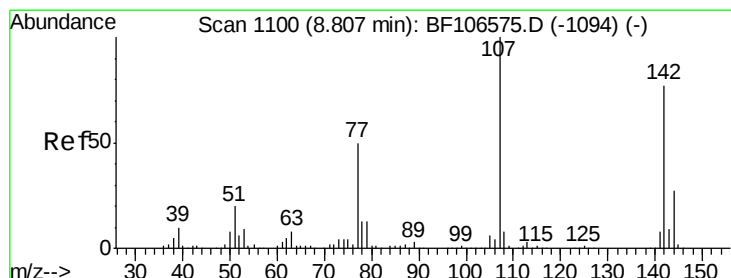
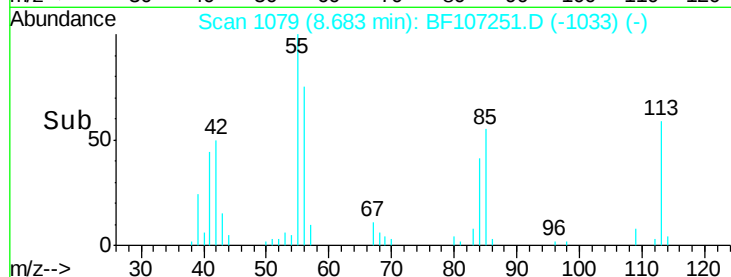
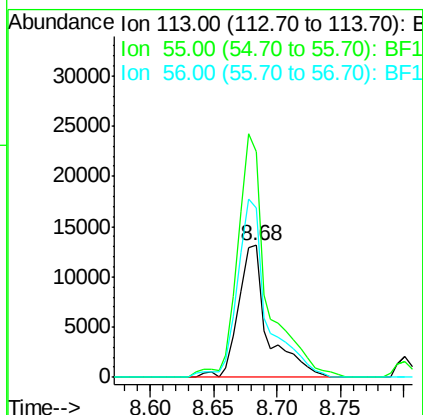
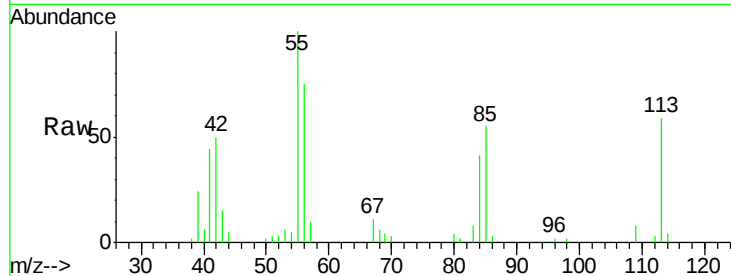




#35  
Caprolactam  
Concen: 46.667 ng  
RT: 8.68 min Scan# 1079  
Delta R.T. -0.03 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

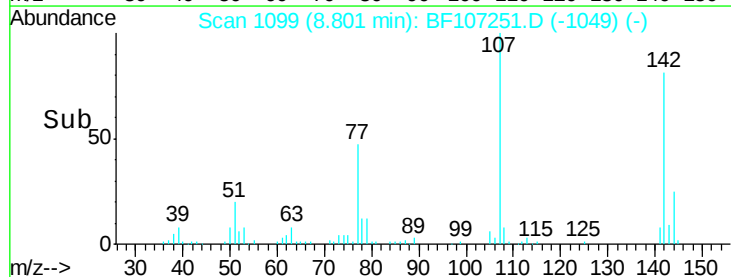
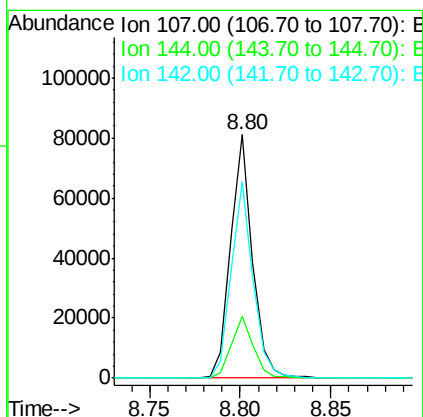
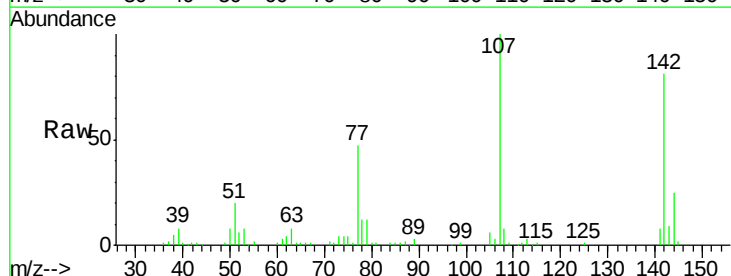
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

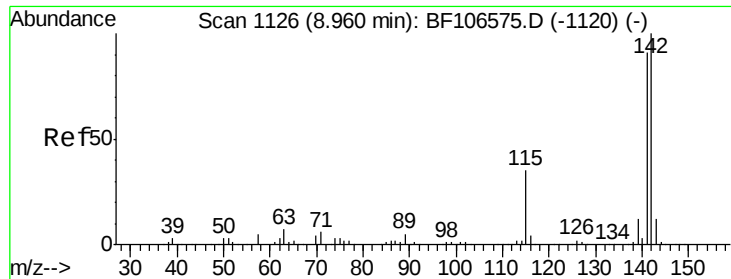
Tgt Ion:113 Resp: 21154  
Ion Ratio Lower Upper  
113 100  
55 170.3 163.3 203.3  
56 128.5 115.7 155.7



#36  
4-Chloro-3-methylphenol  
Concen: 46.726 ng  
RT: 8.80 min Scan# 1099  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:107 Resp: 68393  
Ion Ratio Lower Upper  
107 100  
144 25.4 20.5 30.7  
142 80.7 62.0 93.0

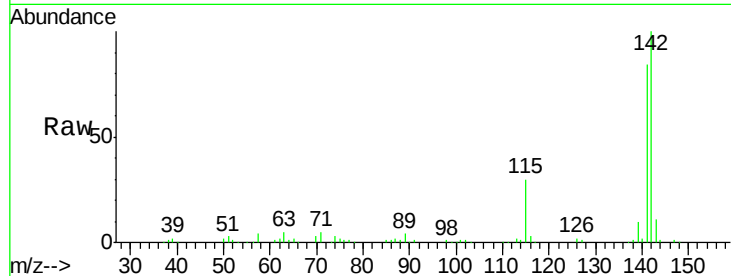




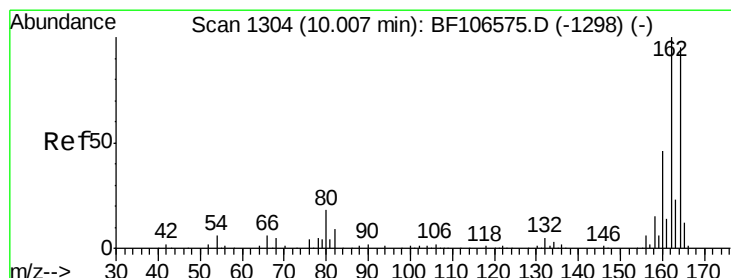
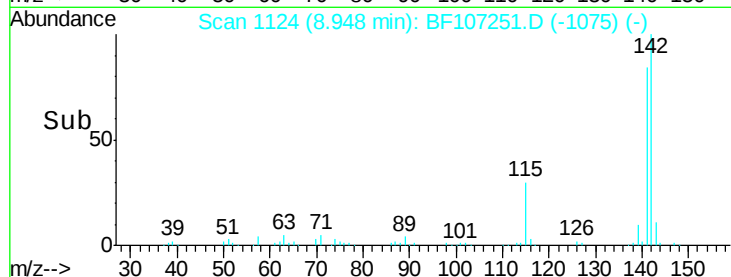
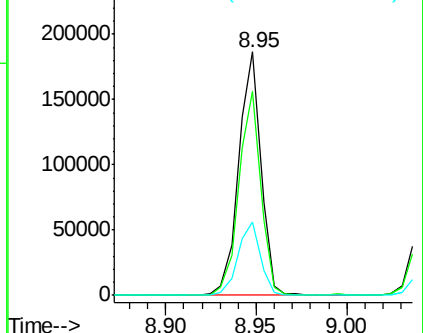
#37  
2-Methylnaphthalene  
Concen: 51.953 ng  
RT: 8.95 min Scan# 1124  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion:142 Resp: 159533  
Ion Ratio Lower Upper  
142 100  
141 83.7 70.8 106.2  
115 30.3 26.1 39.1

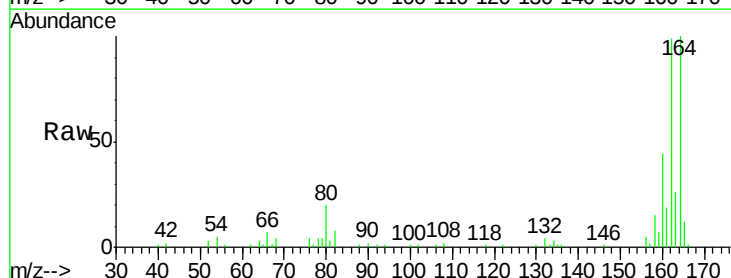


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

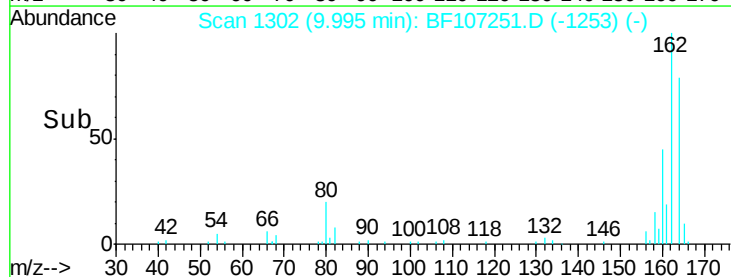
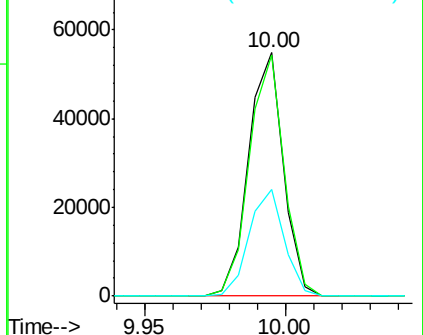


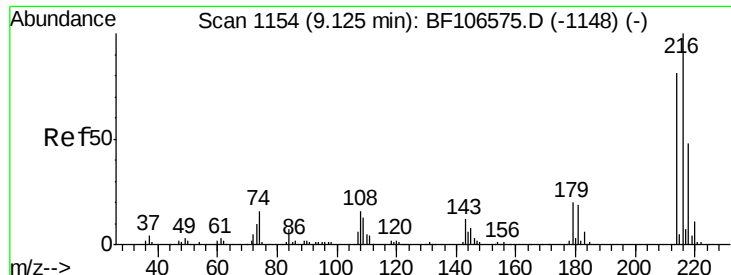
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:164 Resp: 46995  
Ion Ratio Lower Upper  
164 100  
162 99.3 86.1 129.1  
160 44.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

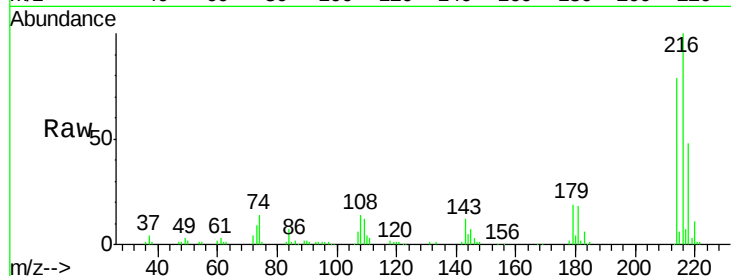




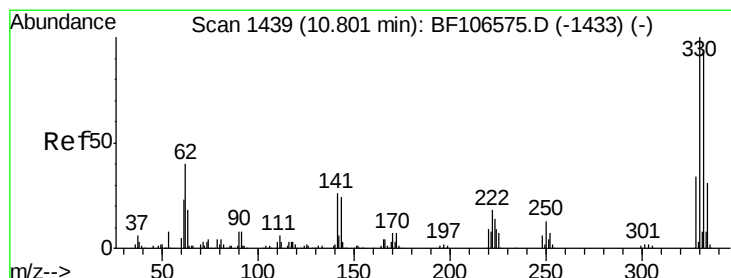
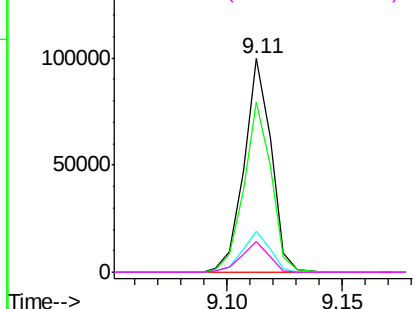
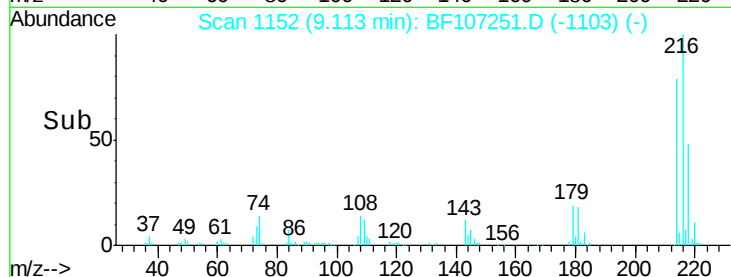
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 51.678 ng  
 RT: 9.11 min Scan# 1152  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Tgt Ion: 216 Resp: 81788  
 Ion Ratio Lower Upper  
 216 100  
 214 79.8 63.0 94.4  
 179 19.4 18.1 27.1  
 108 14.4 17.2 25.8#

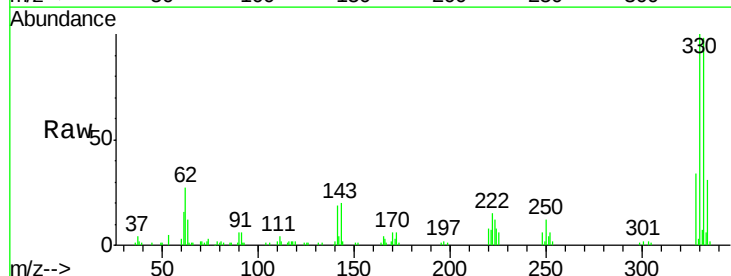


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

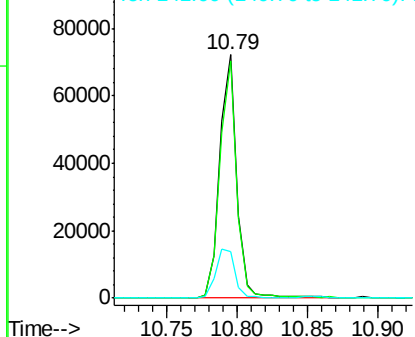
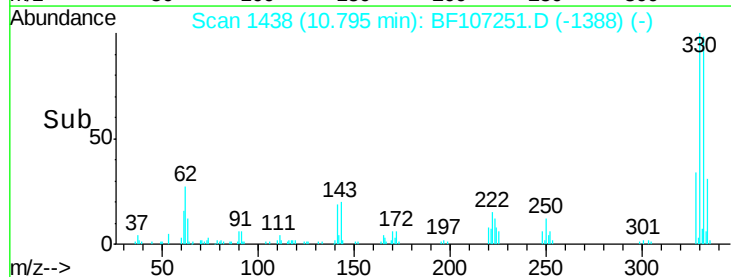


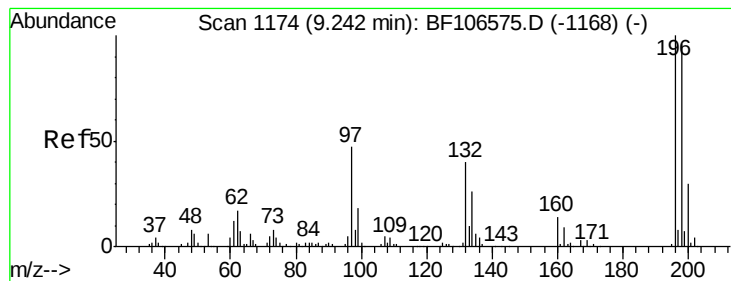
#41  
 2,4,6-Tribromophenol  
 Concen: 111.545 ng  
 RT: 10.79 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 330 Resp: 60757  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 22.6 29.9 44.9#



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

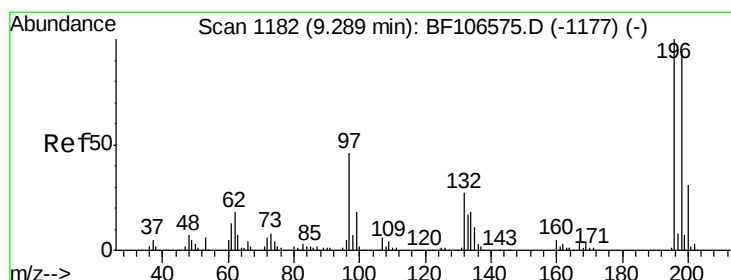
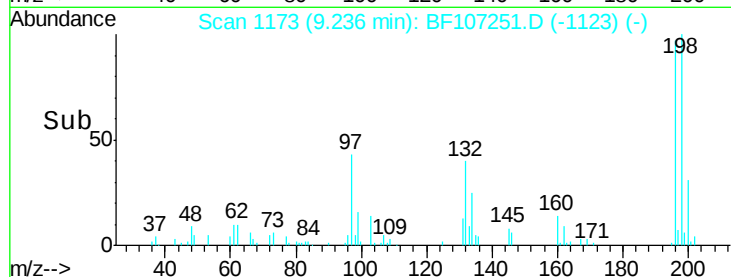
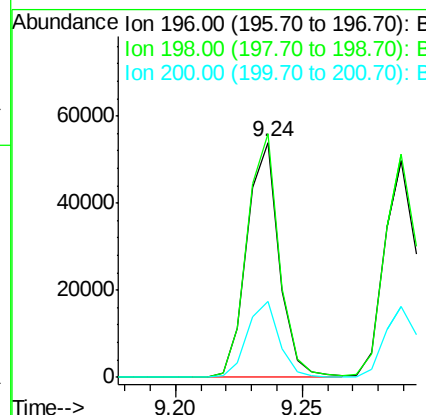
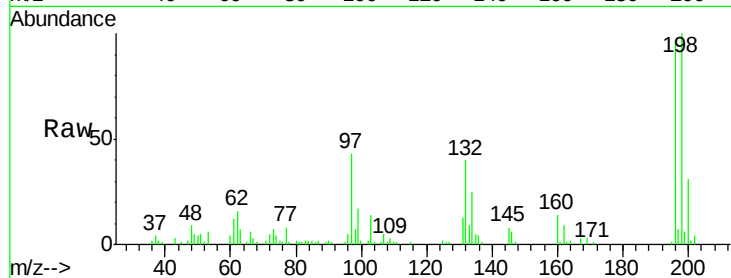




#42  
 2,4,6-Trichlorophenol  
 Concen: 45.493 ng  
 RT: 9.24 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

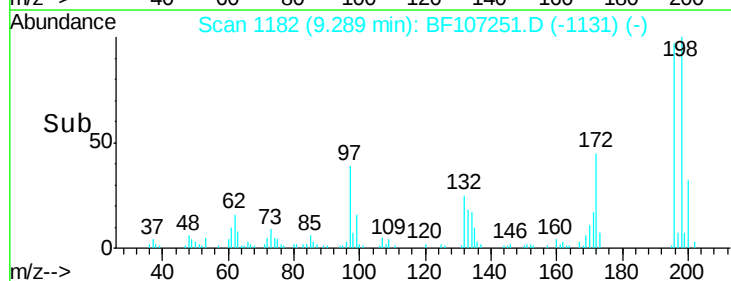
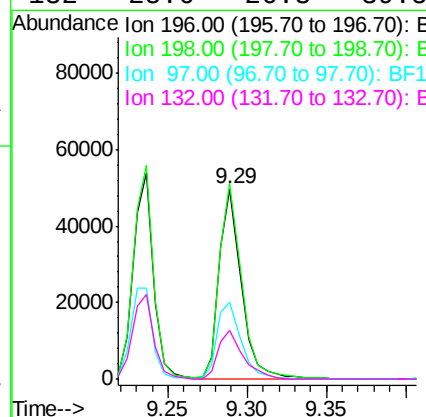
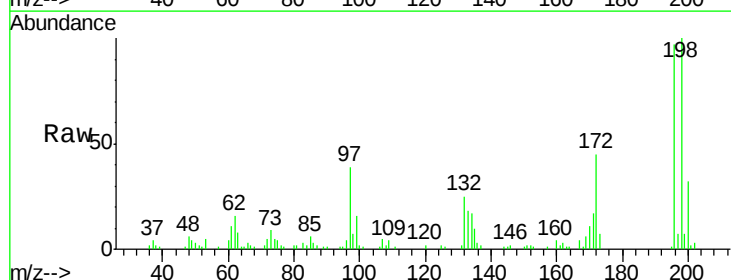
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

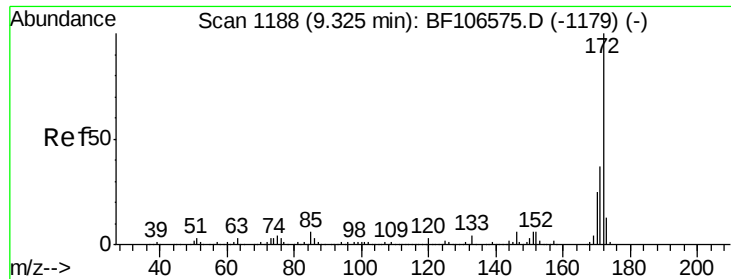
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 103.6 | 75.7  | 113.5 |
| 200     | 32.6  | 24.5  | 36.7  |



#43  
 2,4,5-Trichlorophenol  
 Concen: 44.566 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 103.0 | 74.6  | 112.0 |
| 97      | 40.5  | 42.9  | 64.3# |
| 132     | 25.6  | 26.3  | 39.5# |

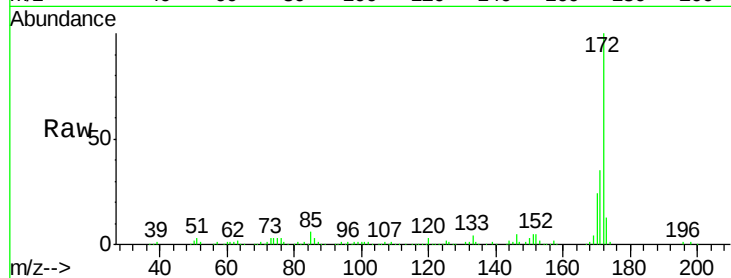




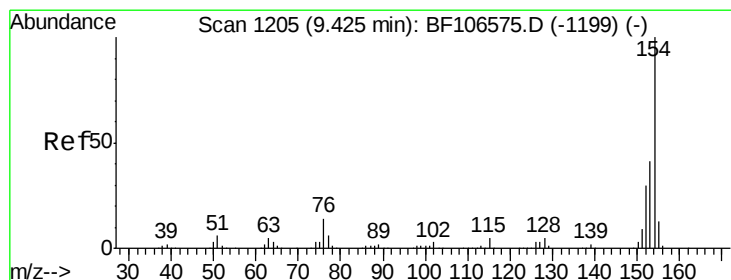
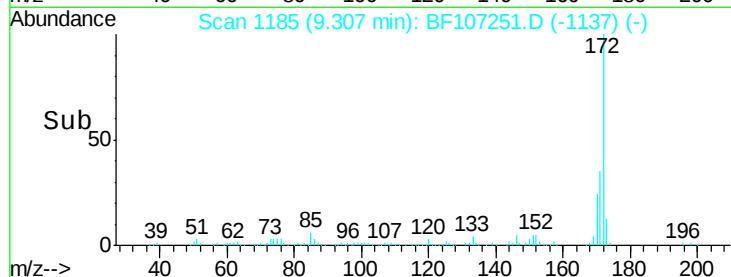
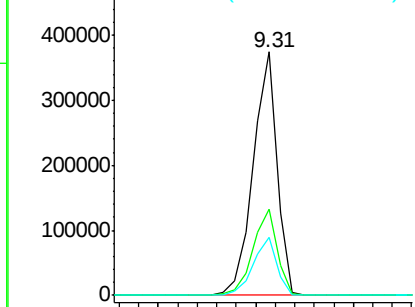
#44  
 2-Fluorobiphenyl  
 Concen: 120.935 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Tgt Ion:172 Resp: 318457  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.7 44.5  
 170 23.7 19.6 29.4

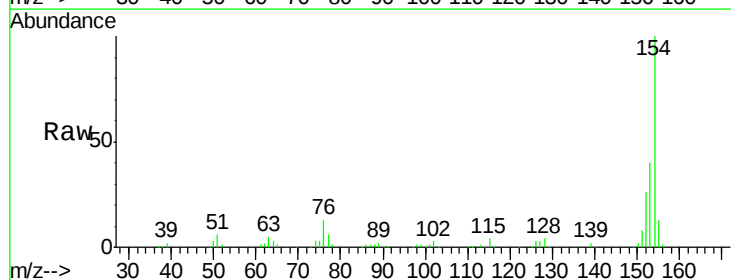


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

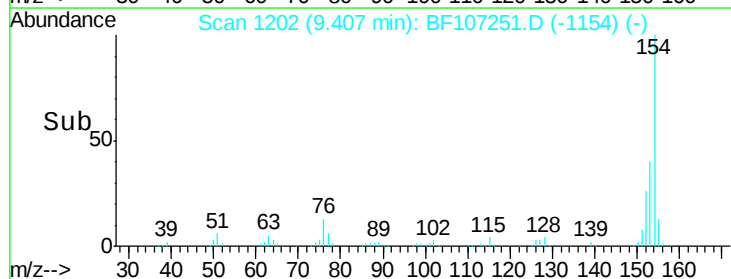
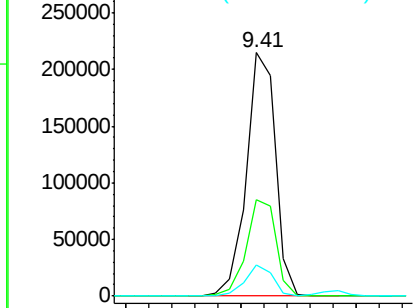


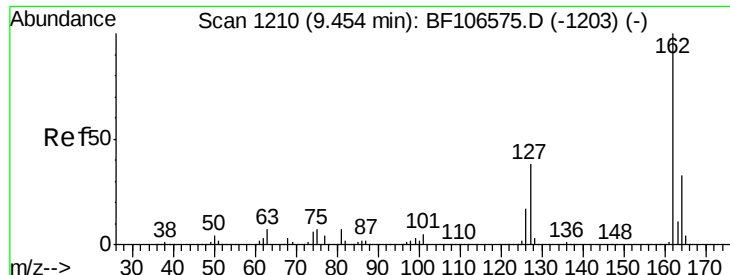
#45  
 1,1'-Biphenyl  
 Concen: 50.866 ng  
 RT: 9.41 min Scan# 1202  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion:154 Resp: 190507  
 Ion Ratio Lower Upper  
 154 100  
 153 39.7 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

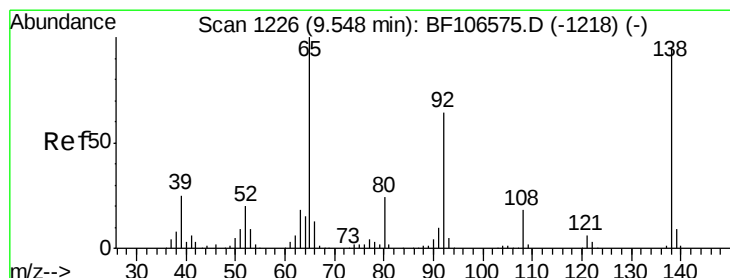
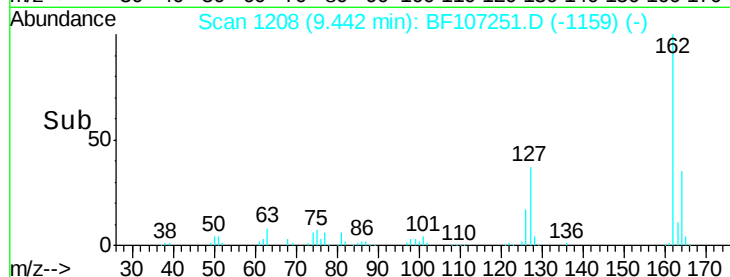
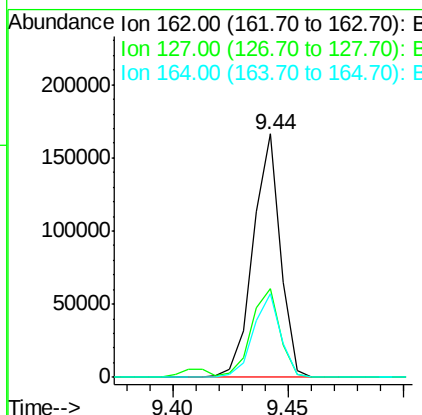
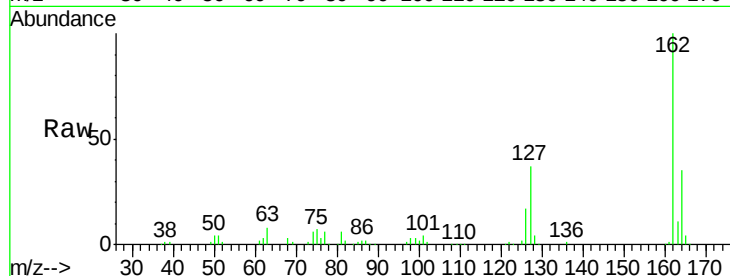




#46  
 2-Chloronaphthalene  
 Concen: 46.508 ng  
 RT: 9.44 min Scan# 1208  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

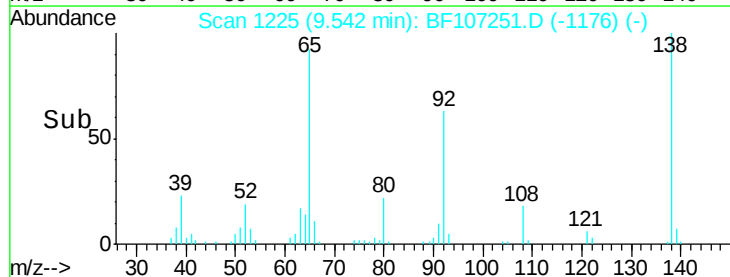
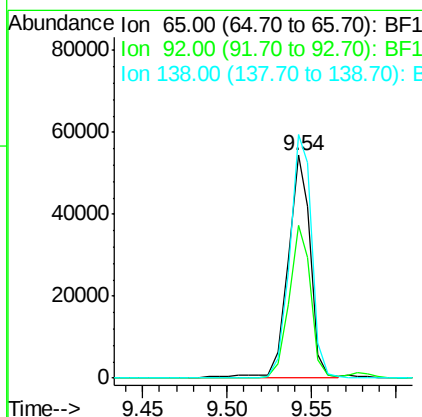
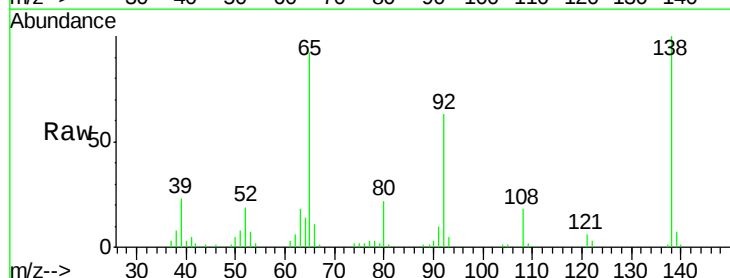
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

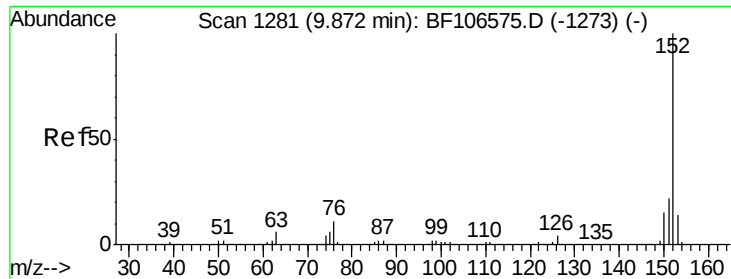
Tgt Ion: 162 Resp: 137108  
 Ion Ratio Lower Upper  
 162 100  
 127 36.6 33.9 50.9  
 164 34.6 26.5 39.7



#47  
 2-Nitroaniline  
 Concen: 50.764 ng  
 RT: 9.54 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 65 Resp: 50325  
 Ion Ratio Lower Upper  
 65 100  
 92 68.3 55.8 83.6  
 138 109.2 91.2 136.8





#48

Acenaphthylene

Concen: 47.334 ng

RT: 9.86 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

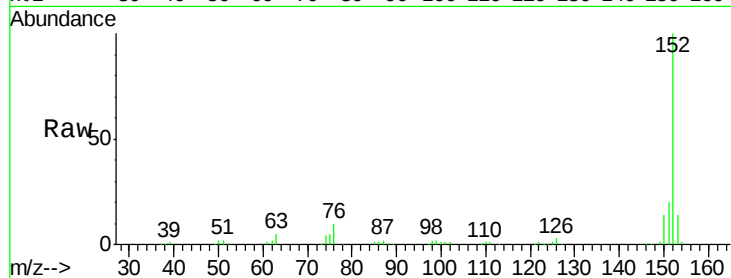
Tgt Ion:152 Resp: 220311

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

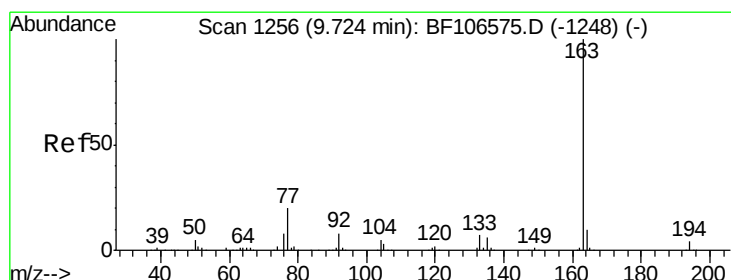
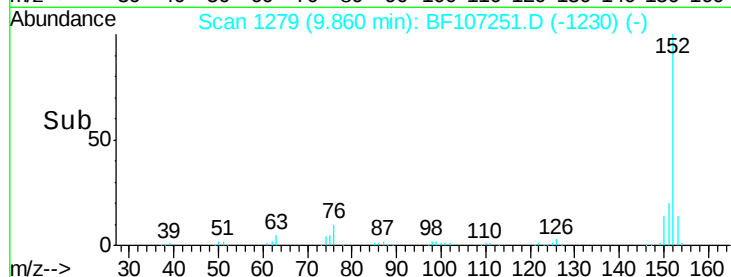
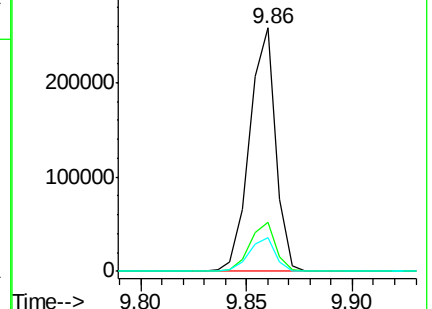
153 13.8 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 45.816 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

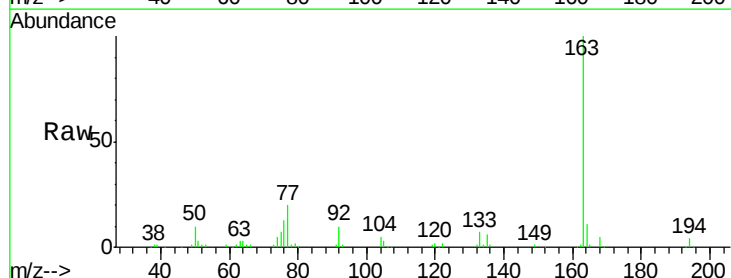
Tgt Ion:163 Resp: 161486

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

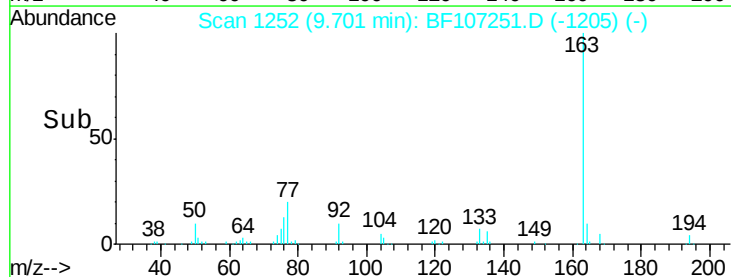
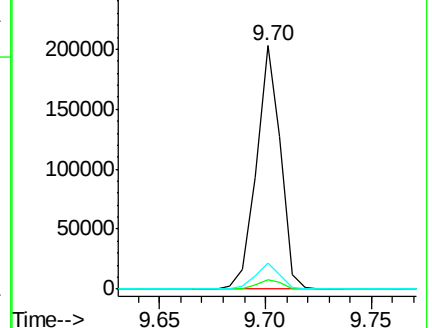
164 10.9 8.2 12.2

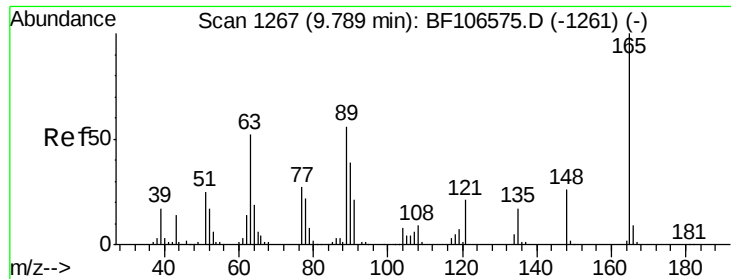


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

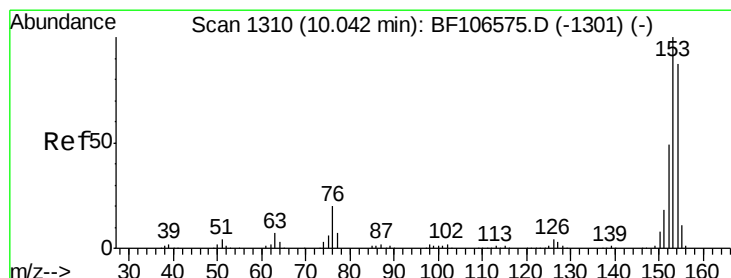
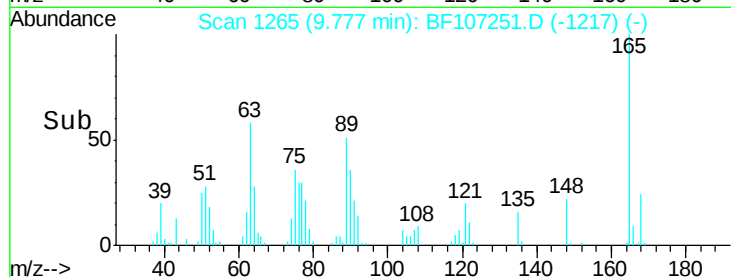
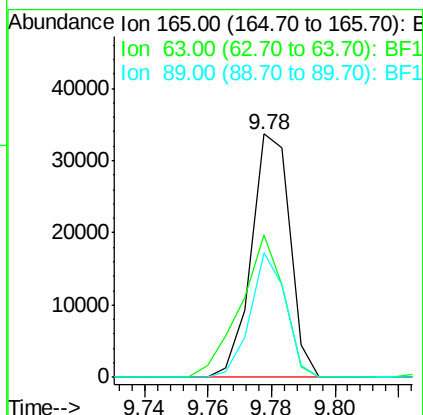
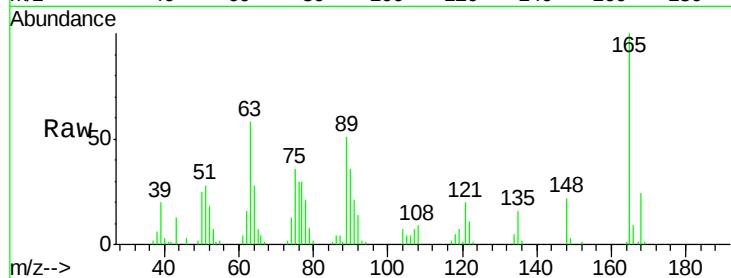




#50  
2,6-Dinitrotoluene  
Concen: 38.115 ng  
RT: 9.78 min Scan# 1265  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

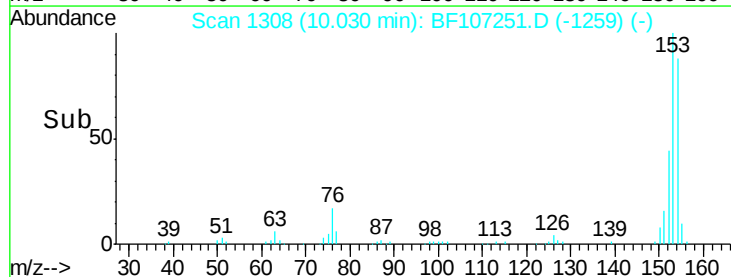
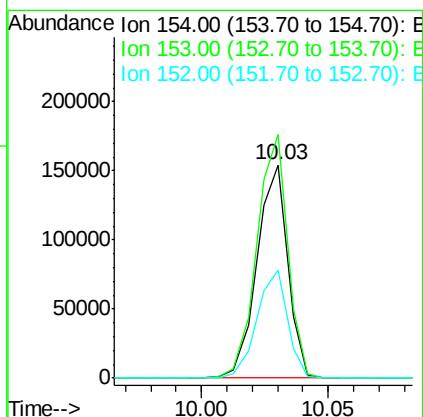
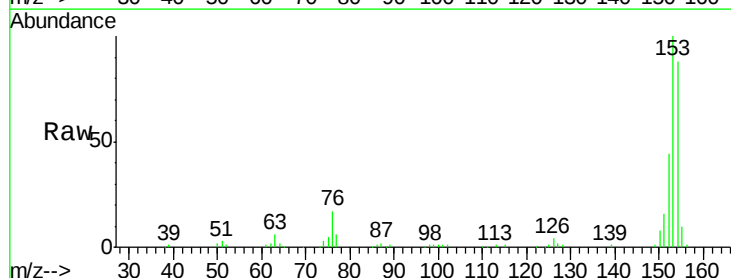
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

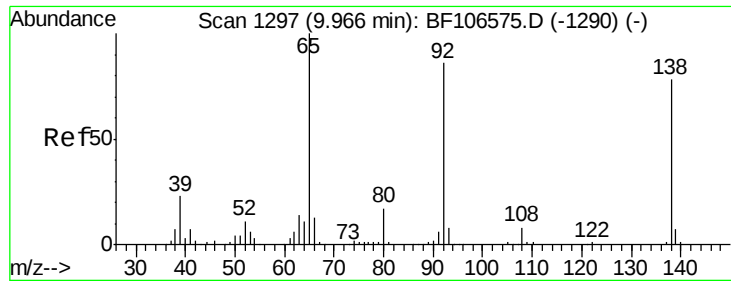
Tgt Ion:165 Resp: 28448  
Ion Ratio Lower Upper  
165 100  
63 58.4 44.7 67.1  
89 51.1 44.0 66.0



#51  
Acenaphthene  
Concen: 44.694 ng  
RT: 10.03 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:154 Resp: 130995  
Ion Ratio Lower Upper  
154 100  
153 114.1 91.2 136.8  
152 50.6 43.8 65.8

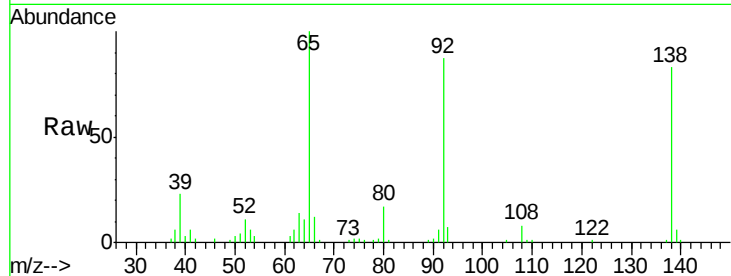




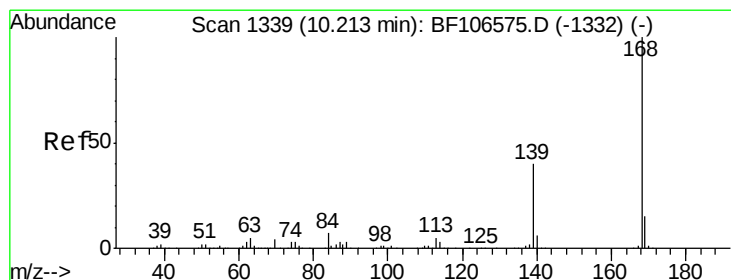
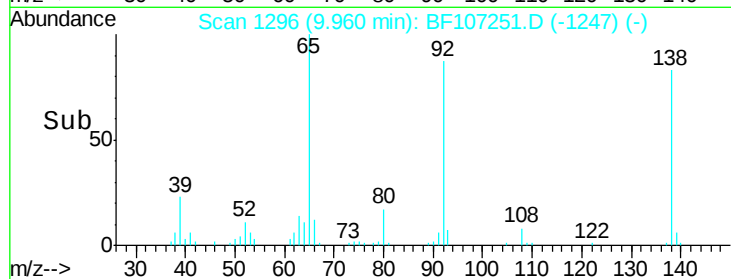
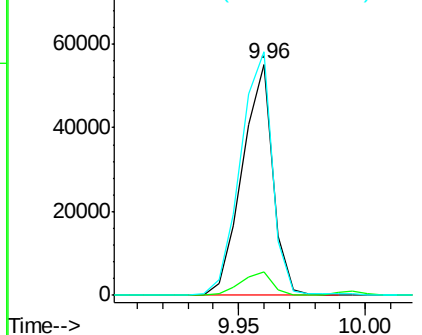
#52  
3-Nitroaniline  
Concen: 54.026 ng  
RT: 9.96 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion:138 Resp: 46401  
Ion Ratio Lower Upper  
138 100  
108 9.9 9.4 14.0  
92 105.2 89.4 134.2

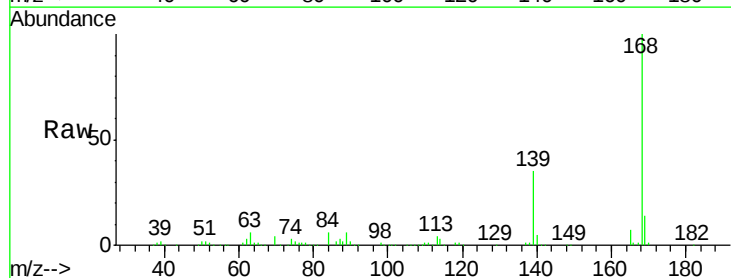


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

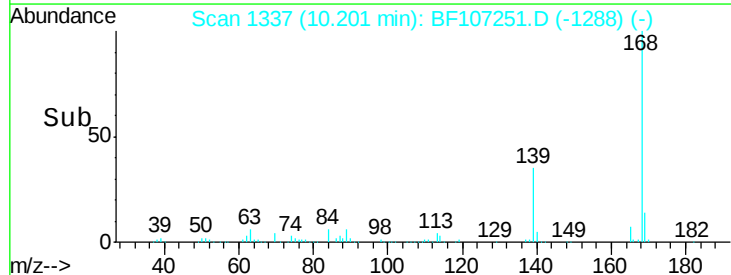
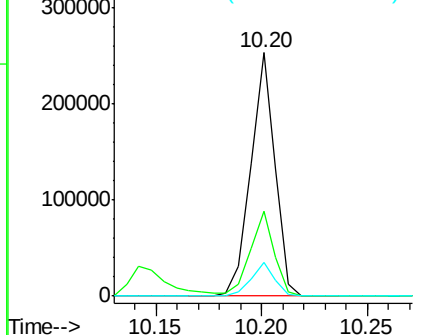


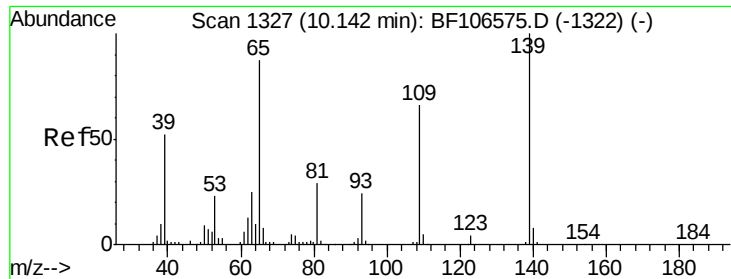
#54  
Dibenzofuran  
Concen: 50.220 ng  
RT: 10.20 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:168 Resp: 201552  
Ion Ratio Lower Upper  
168 100  
139 34.6 30.1 45.1  
169 13.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

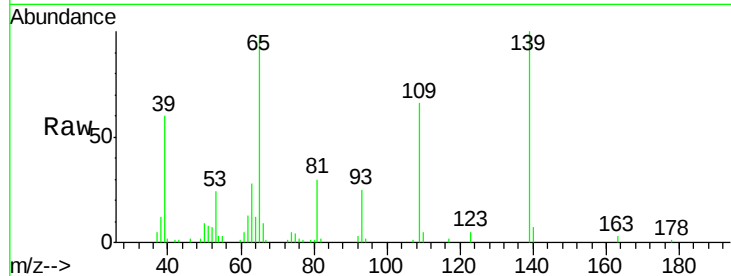




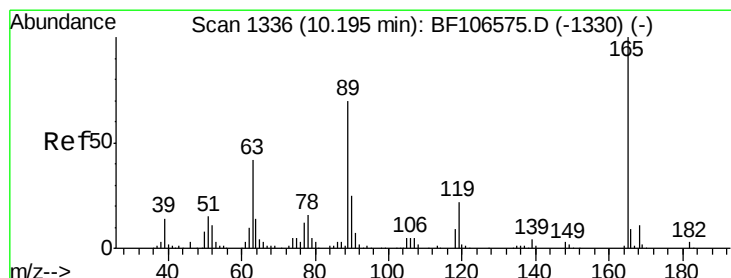
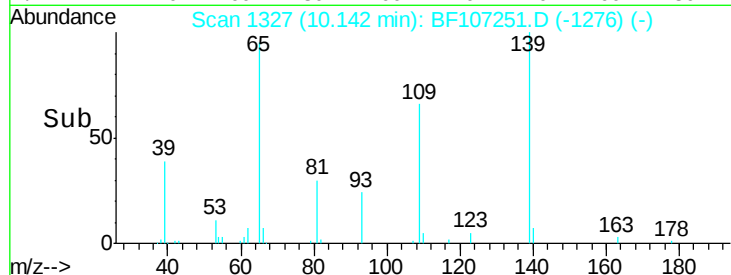
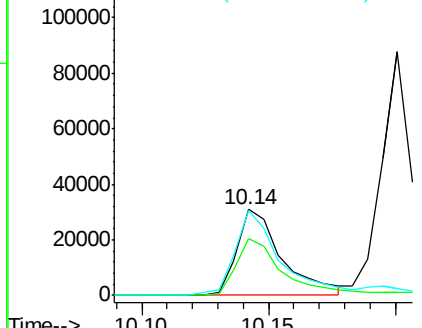
#55  
4-Nitrophenol  
Concen: 63.628 ng  
RT: 10.14 min Scan# 1327  
Delta R.T. -0.00 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion:139 Resp: 38145  
Ion Ratio Lower Upper  
139 100  
109 66.0 48.4 88.4  
65 97.9 72.6 112.6

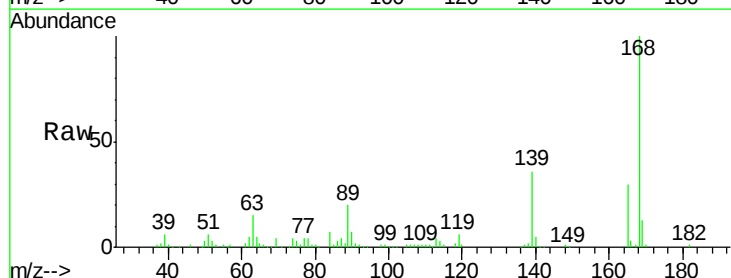


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

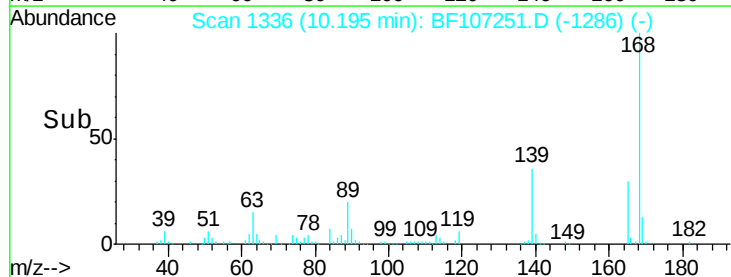
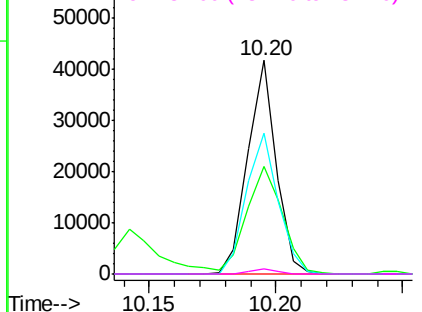


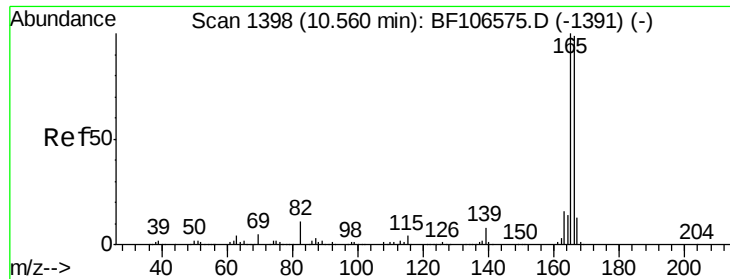
#56  
2,4-Dinitrotoluene  
Concen: 33.537 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:165 Resp: 32672  
Ion Ratio Lower Upper  
165 100  
63 50.2 36.4 54.6  
89 65.9 57.8 86.6  
182 2.1 1.6 2.4



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  
Ion 182.00 (181.70 to 182.70): E

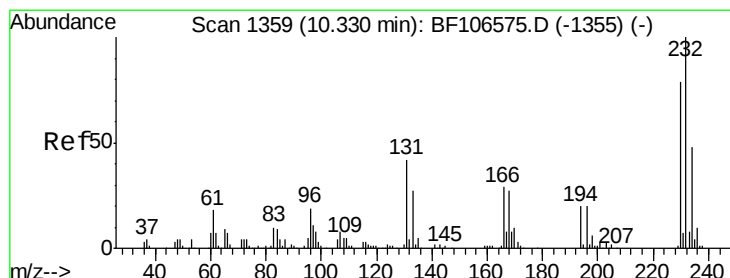
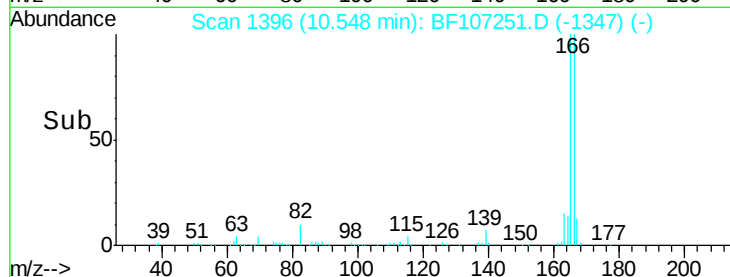
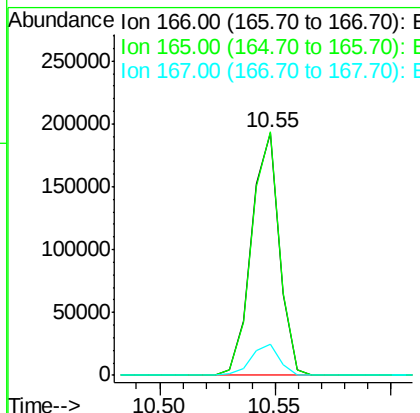
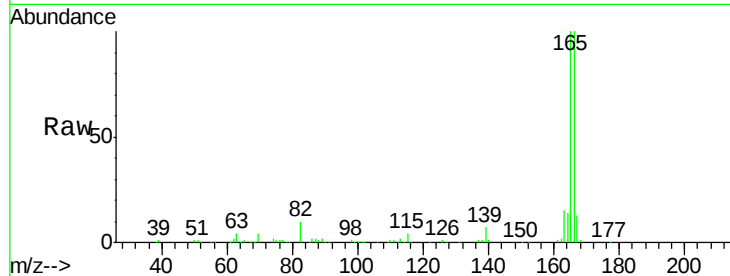




#57  
 Fluorene  
 Concen: 51.285 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

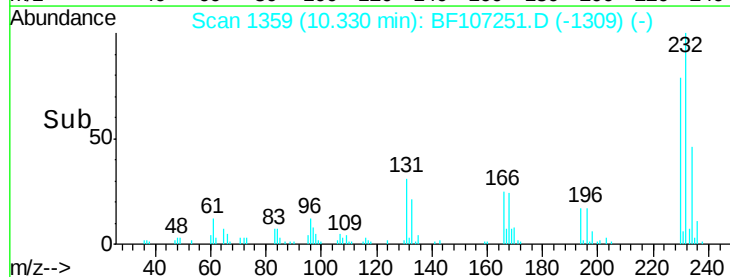
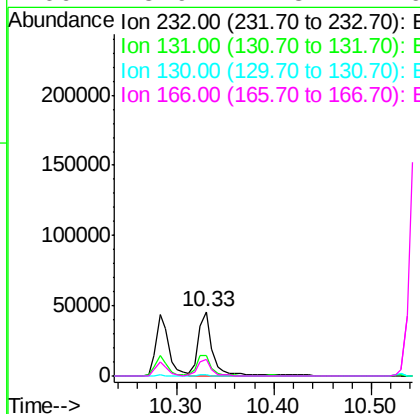
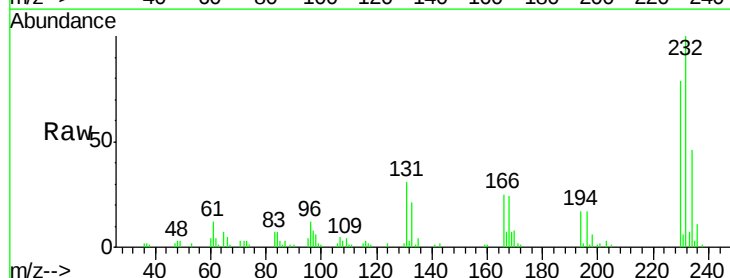
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

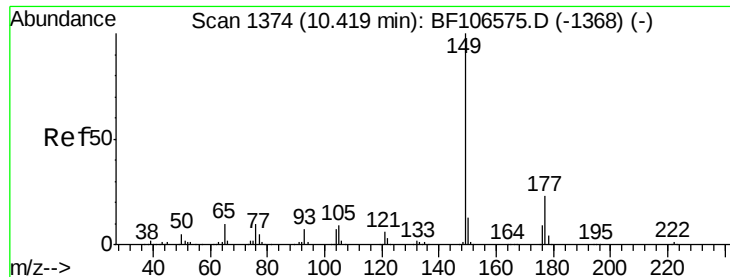
Tgt Ion:166 Resp: 163328  
 Ion Ratio Lower Upper  
 166 100  
 165 100.3 79.8 119.8  
 167 12.9 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 52.106 ng  
 RT: 10.33 min Scan# 1359  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion:232 Resp: 45468  
 Ion Ratio Lower Upper  
 232 100  
 131 33.5 43.8 65.8#  
 130 1.4 2.1 3.1#  
 166 25.9 27.8 41.6#

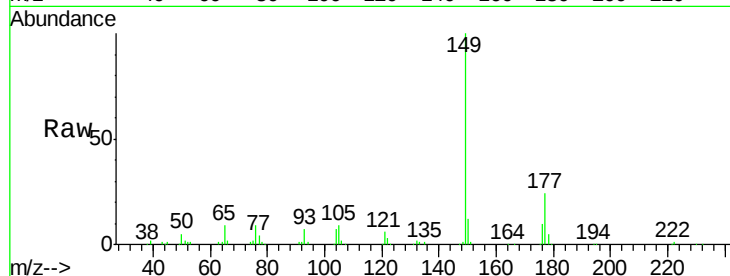




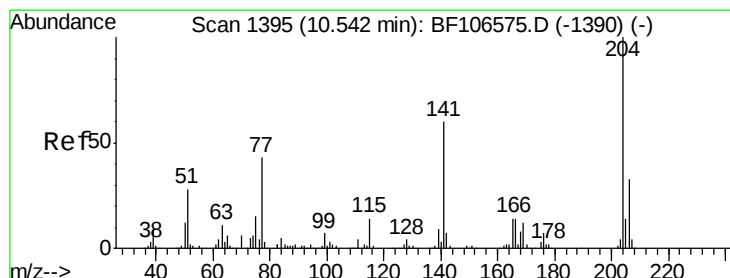
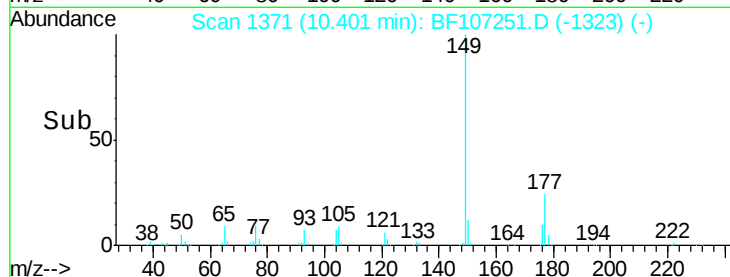
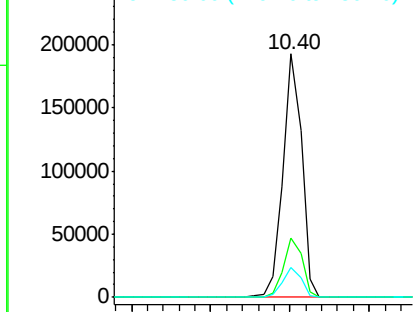
#59  
Diethylphthalate  
Concen: 46.679 ng  
RT: 10.40 min Scan# 1371  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion:149 Resp: 158798  
Ion Ratio Lower Upper  
149 100  
177 24.3 16.1 24.1#  
150 12.1 10.1 15.1

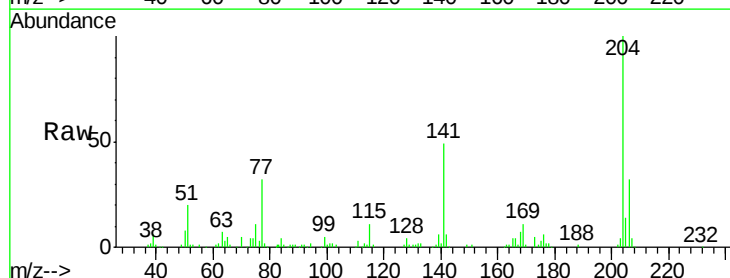


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

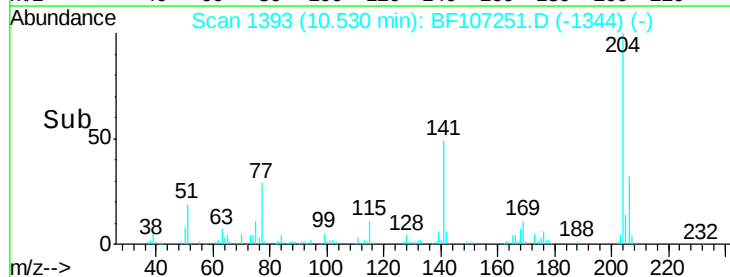
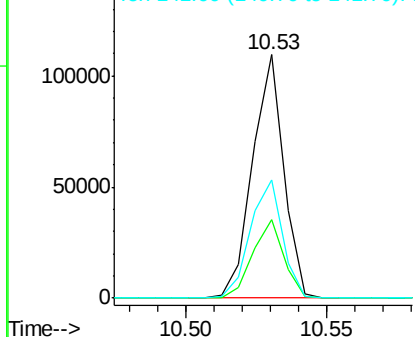


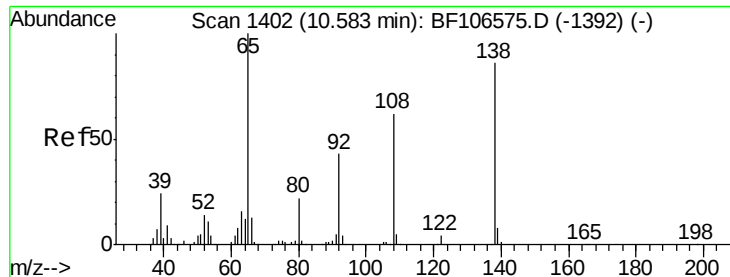
#60  
4-Chlorophenyl-phenylether  
Concen: 50.371 ng  
RT: 10.53 min Scan# 1393  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:204 Resp: 83935  
Ion Ratio Lower Upper  
204 100  
206 32.0 26.5 39.7  
141 48.7 54.6 81.8#



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

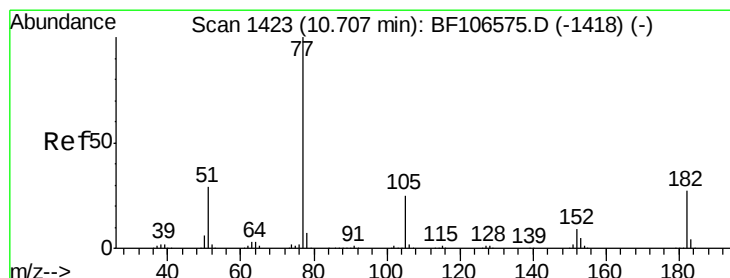
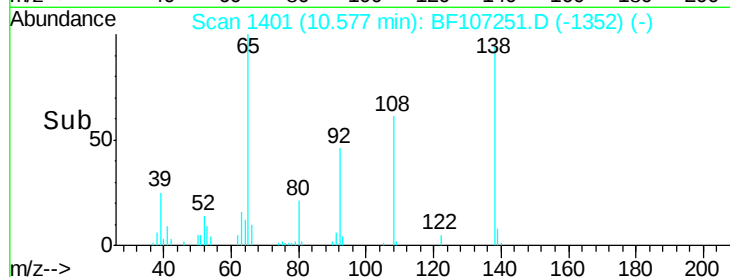
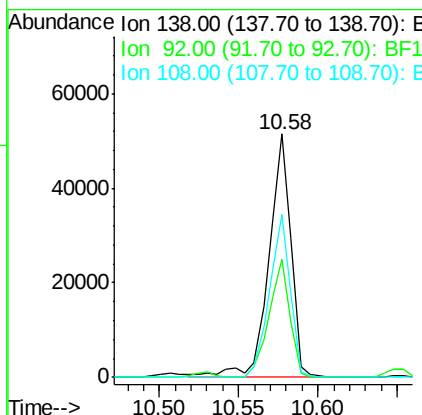
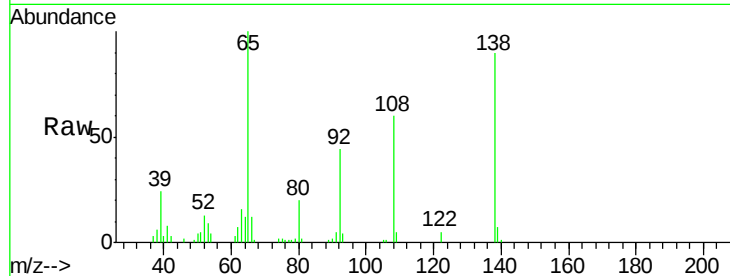




#61  
4-Nitroaniline  
Concen: 59.135 ng  
RT: 10.58 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

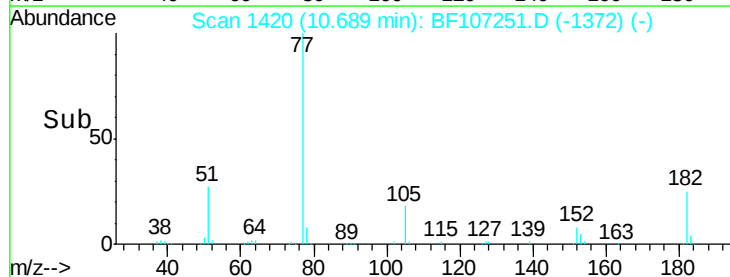
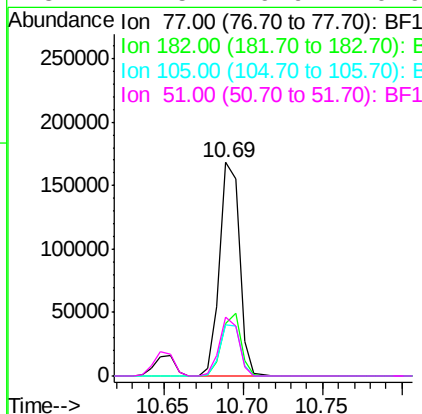
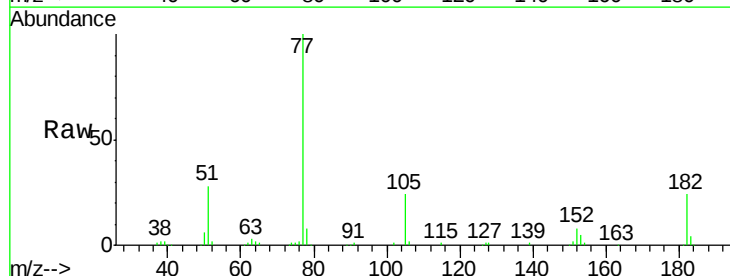
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

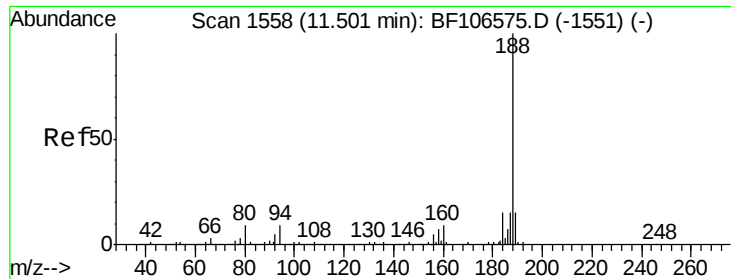
Tgt Ion: 138 Resp: 50405  
Ion Ratio Lower Upper  
138 100  
92 48.6 30.2 70.2  
108 67.0 52.5 92.5



#62  
Azobenzene  
Concen: 43.906 ng  
RT: 10.69 min Scan# 1420  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion: 77 Resp: 147087  
Ion Ratio Lower Upper  
77 100  
182 24.4 1.7 41.7  
105 23.7 3.0 43.0  
51 27.5 9.9 49.9

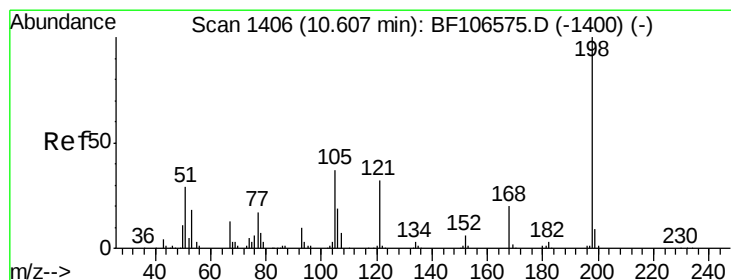
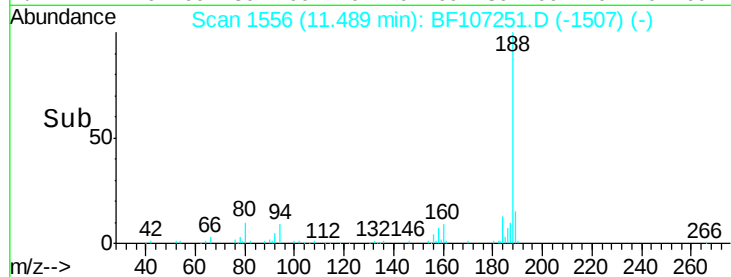
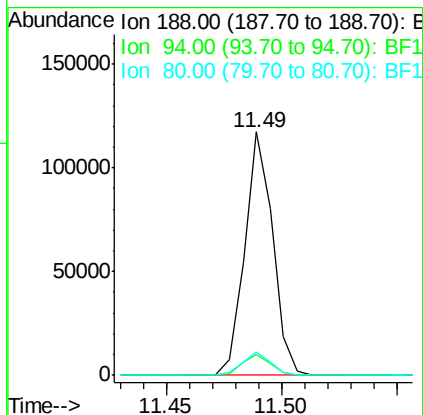
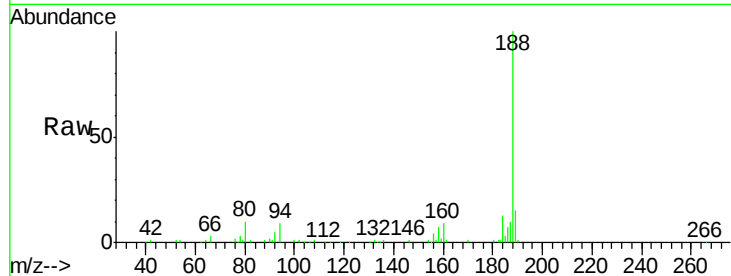




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

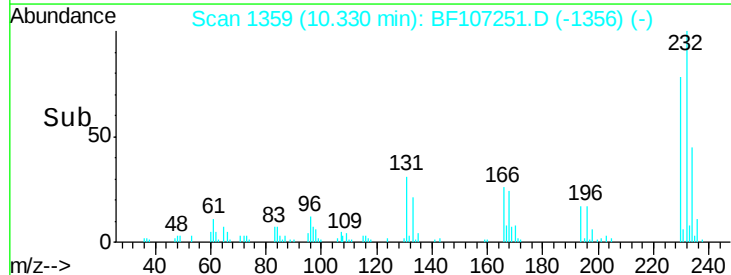
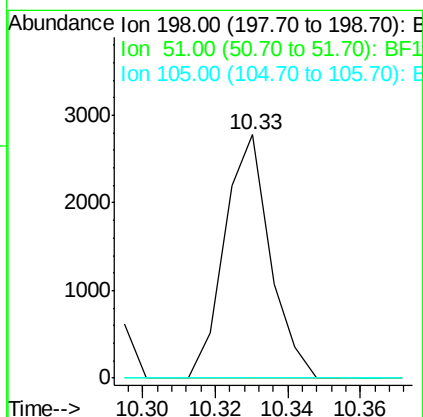
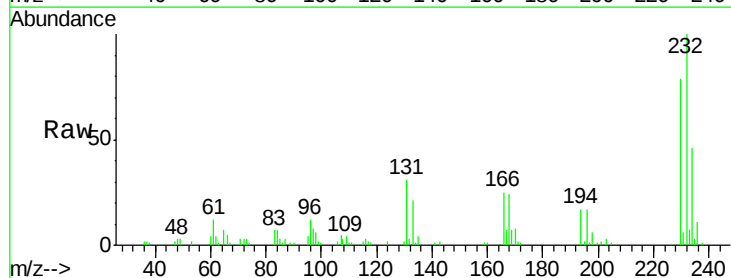
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

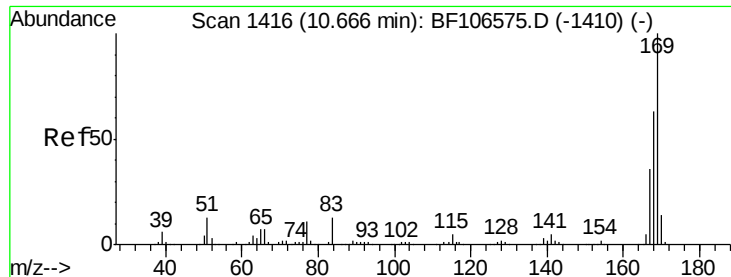
Tgt Ion:188 Resp: 99225  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.5 12.7  
80 9.5 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.983 ng  
RT: 10.33 min Scan# 1359  
Delta R.T. -0.28 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:198 Resp: 2443  
Ion Ratio Lower Upper  
198 100  
51 0.0 37.7 77.7#  
105 0.0 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 42.106 ng

RT: 10.65 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

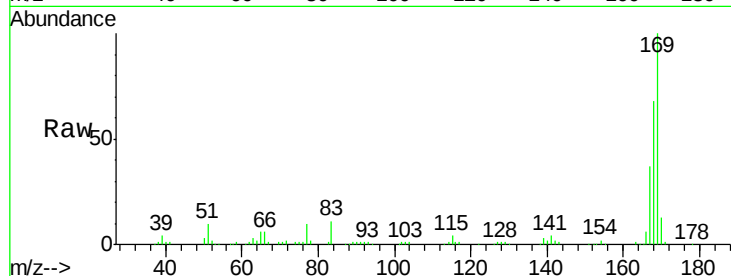
Tgt Ion:169 Resp: 140528

Ion Ratio Lower Upper

169 100

168 68.2 54.4 81.6

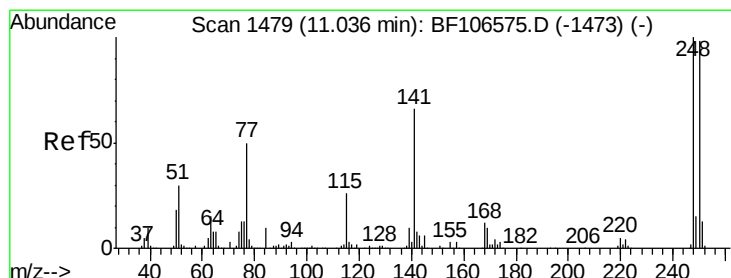
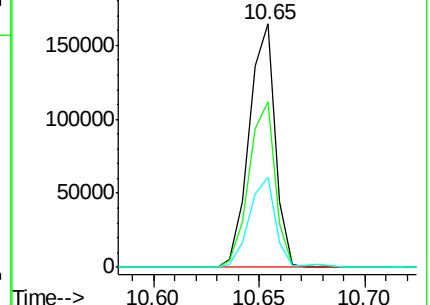
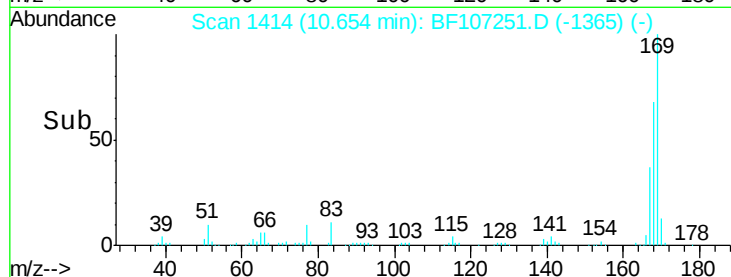
167 37.1 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 48.527 ng

RT: 11.02 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

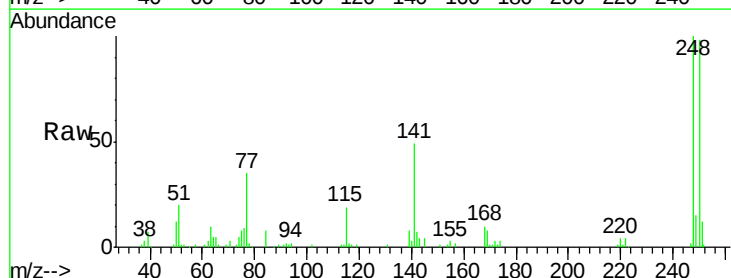
Tgt Ion:248 Resp: 57466

Ion Ratio Lower Upper

248 100

250 98.3 76.9 115.3

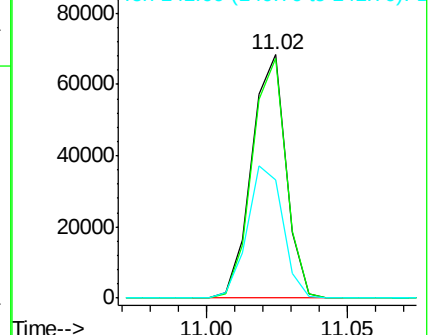
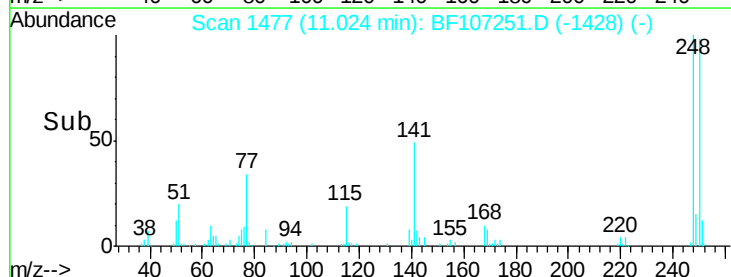
141 48.6 74.4 111.6#

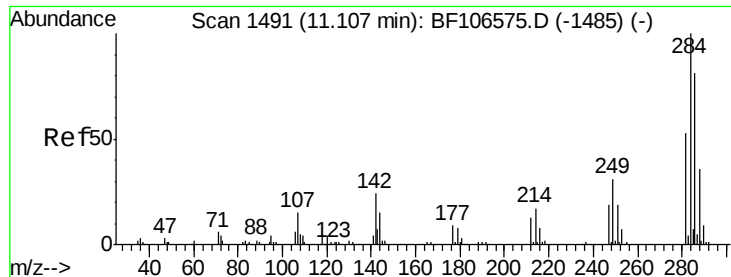


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

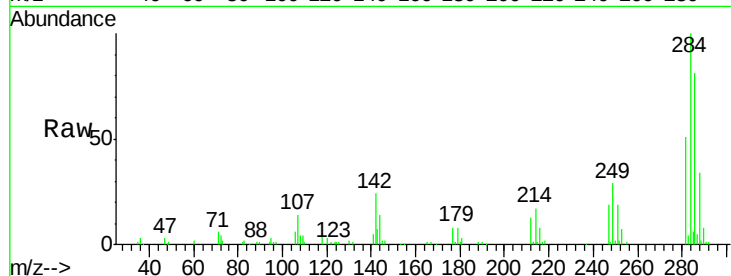




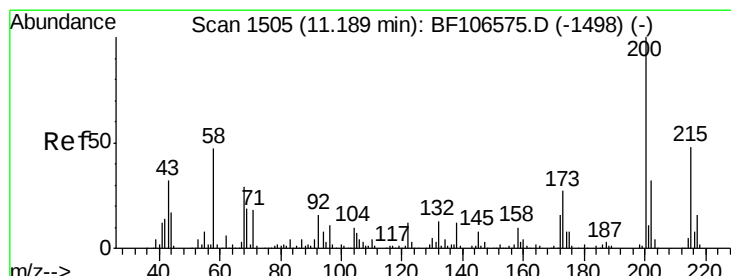
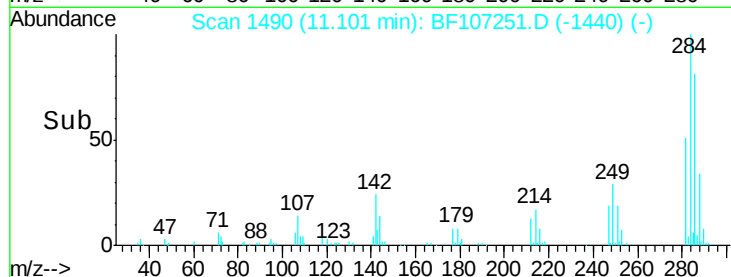
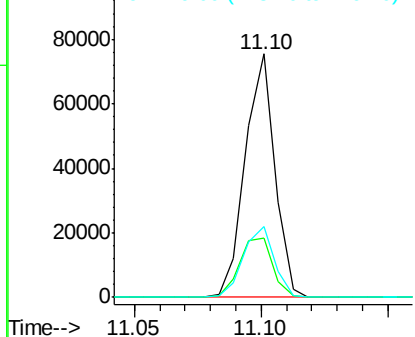
#67  
Hexachlorobenzene  
Concen: 49.350 ng  
RT: 11.10 min Scan# 1490  
Delta R.T. -0.01 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

Tgt Ion: 284 Resp: 61165  
Ion Ratio Lower Upper  
284 100  
142 24.3 34.6 52.0#  
249 28.9 24.8 37.2

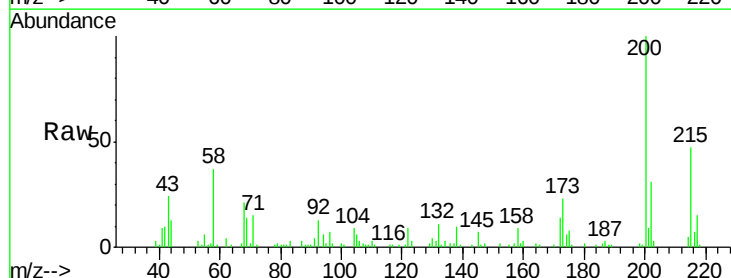


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

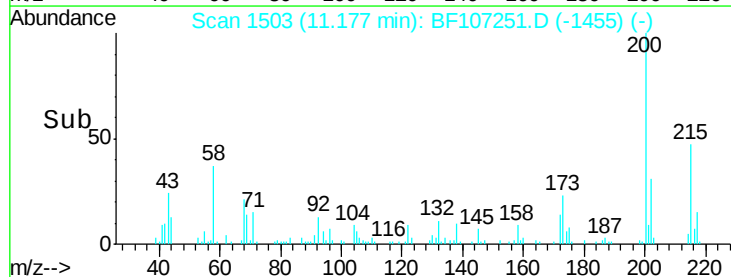
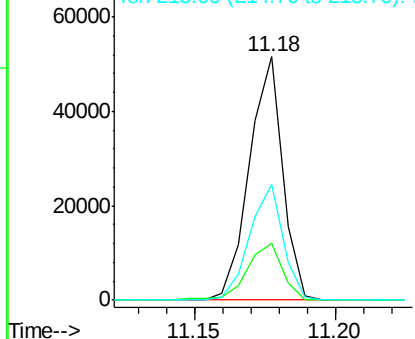


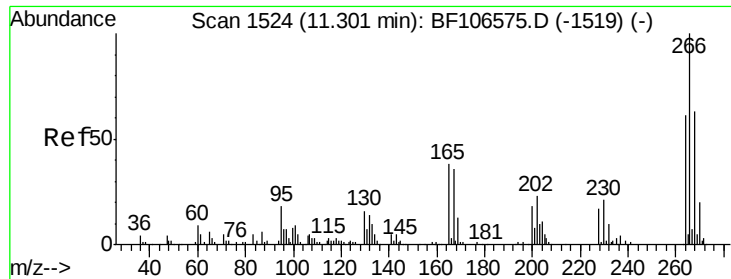
#68  
Atrazine  
Concen: 39.718 ng  
RT: 11.18 min Scan# 1503  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion: 200 Resp: 42140  
Ion Ratio Lower Upper  
200 100  
173 23.4 8.6 48.6  
215 47.3 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

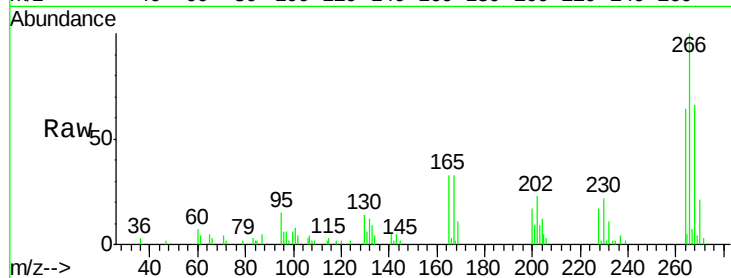




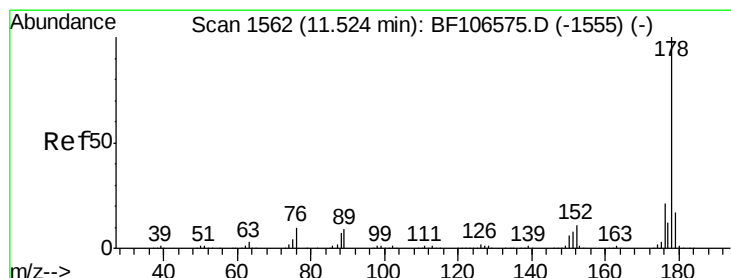
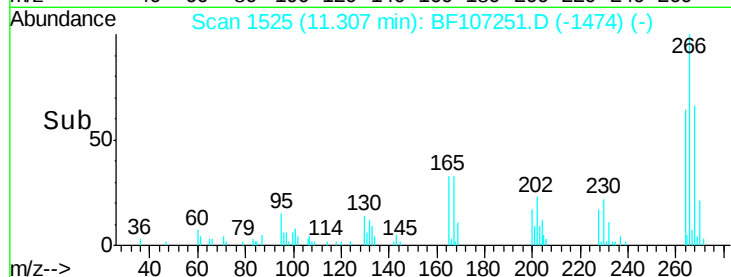
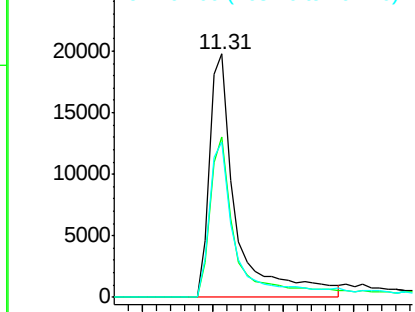
#69  
 Pentachlorophenol  
 Concen: 42.435 ng  
 RT: 11.31 min Scan# 1525  
 Delta R.T. -0.00 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

Tgt Ion: 266 Resp: 26243  
 Ion Ratio Lower Upper  
 266 100  
 268 65.6 51.1 76.7  
 264 63.8 49.5 74.3

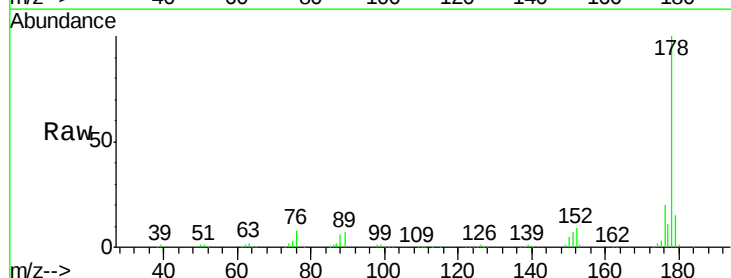


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

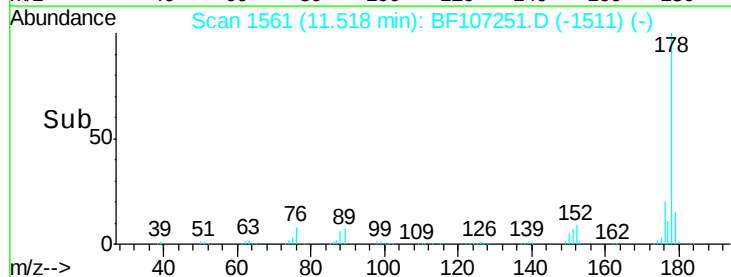
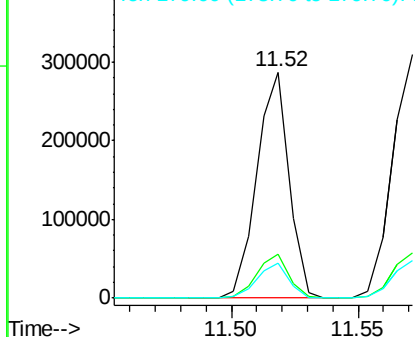


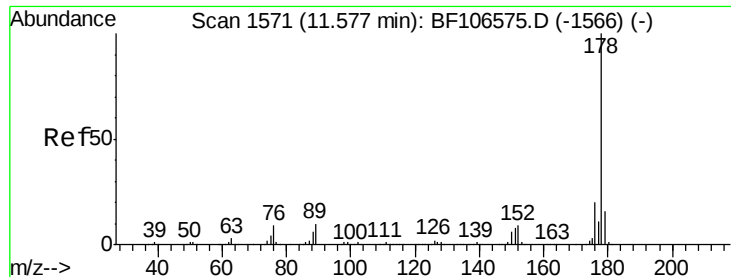
#70  
 Phenanthrene  
 Concen: 52.766 ng  
 RT: 11.52 min Scan# 1561  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 178 Resp: 252530  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.8 23.8  
 179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

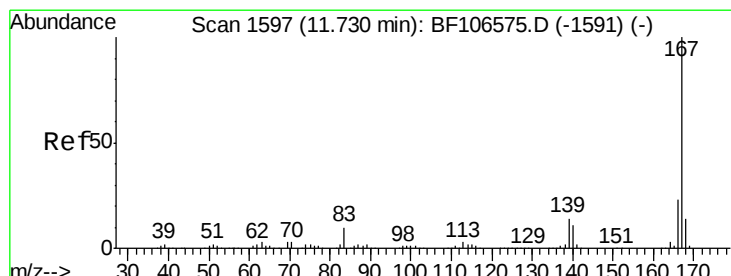
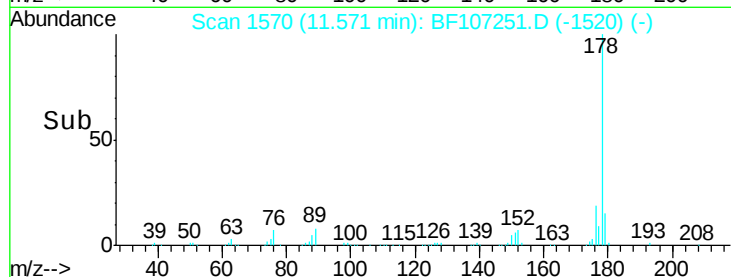
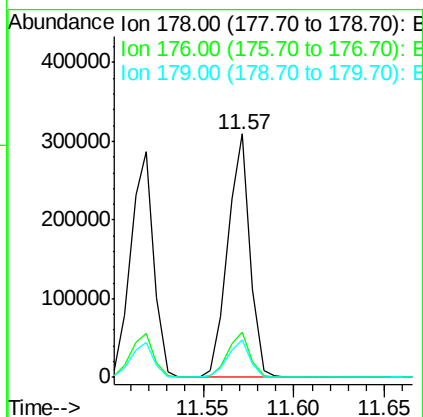
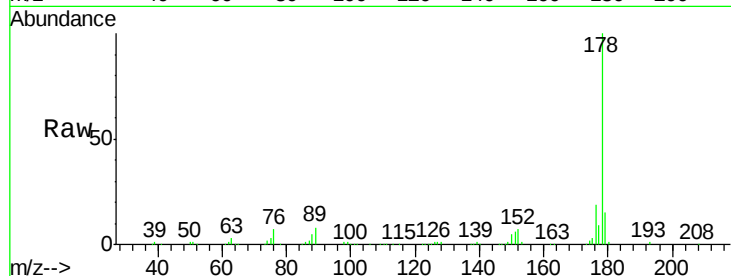




#71  
 Anthracene  
 Concen: 53.832 ng  
 RT: 11.57 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

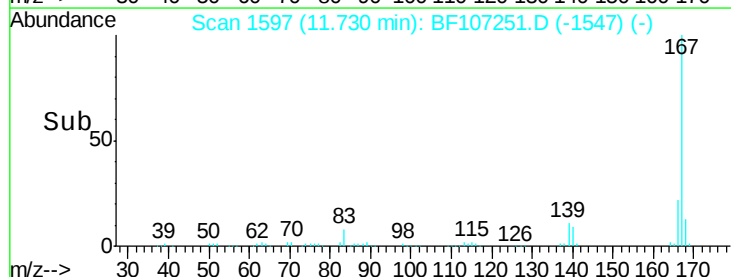
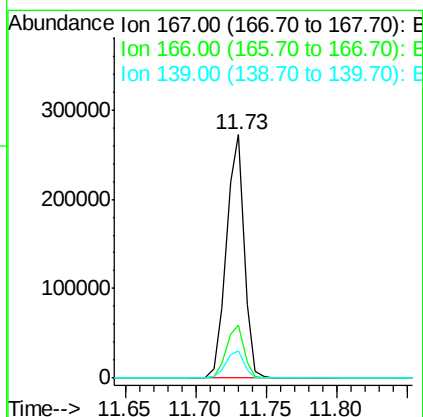
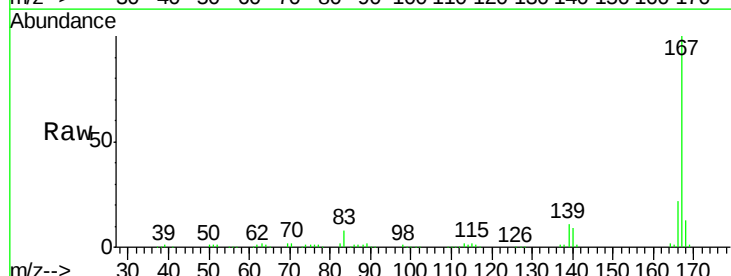
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

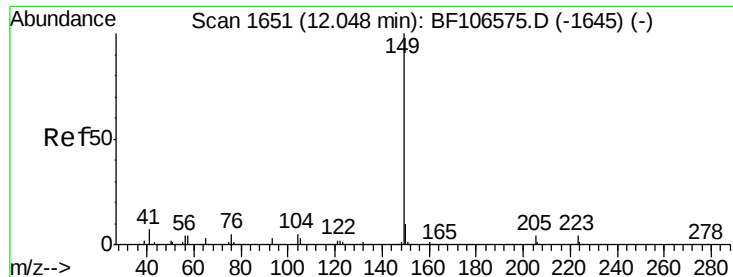
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.4  | 23.2  |
| 179     | 15.4  | 12.6  | 19.0  |



#72  
 Carbazole  
 Concen: 52.174 ng  
 RT: 11.73 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.7  | 17.6  | 26.4  |
| 139     | 11.4  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 48.470 ng

RT: 12.03 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

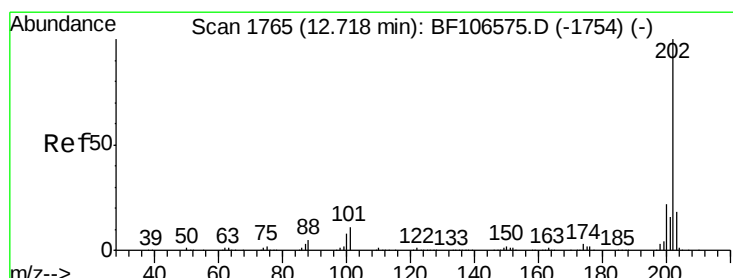
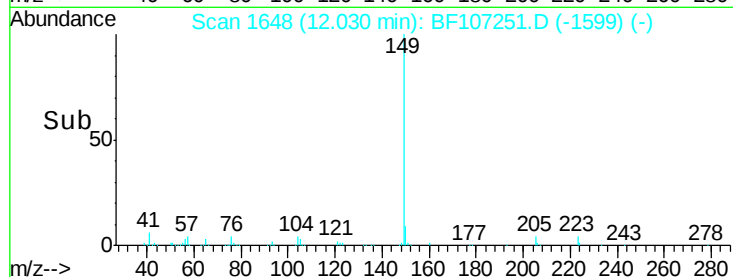
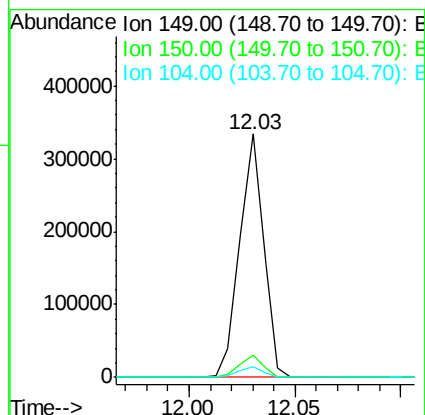
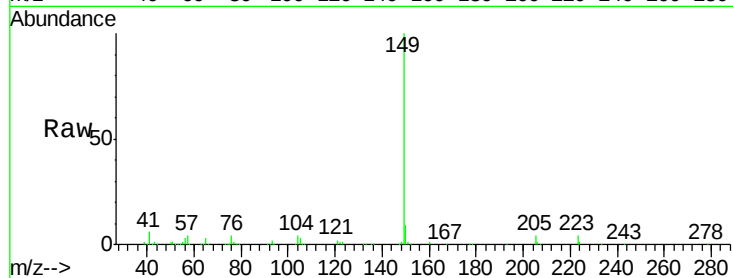
Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 261157 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.0   | 7.8   | 11.6   |
| 104      | 4.3   | 3.8   | 5.8    |



#74

Fluoranthene

Concen: 55.749 ng

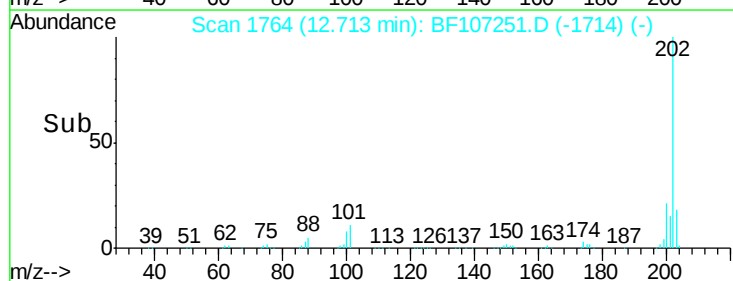
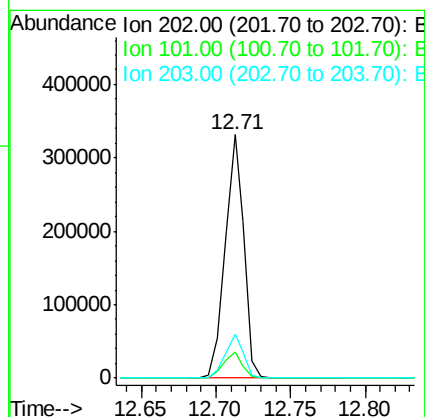
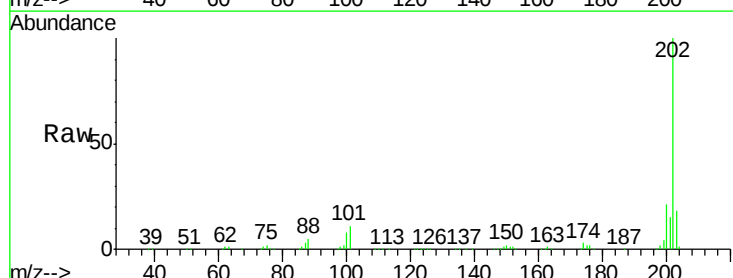
RT: 12.71 min Scan# 1764

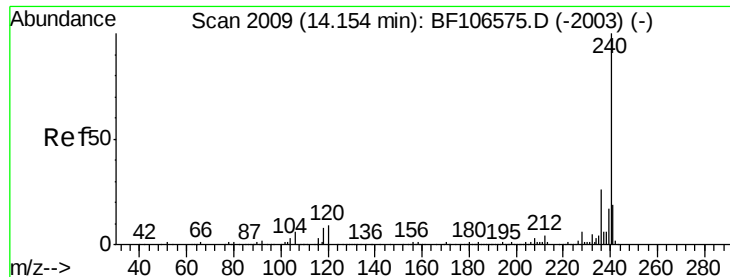
Delta R.T. -0.01 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 294073 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.7  | 0.0   | 34.1   |
| 203      | 17.8  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

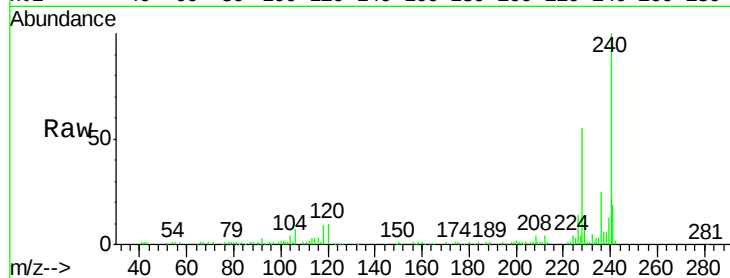
Tgt Ion:240 Resp: 73781

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3

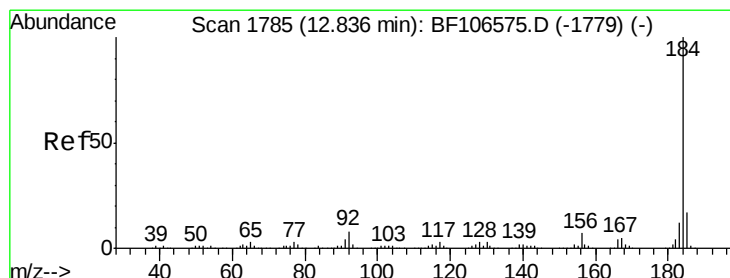
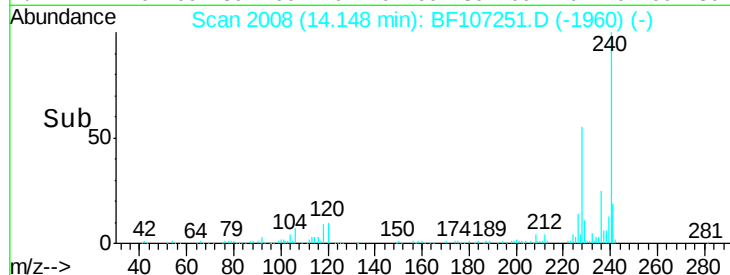
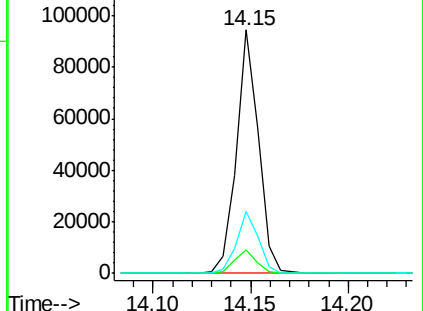
236 25.4 20.7 31.1



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: 119.761 ng

RT: 12.84 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

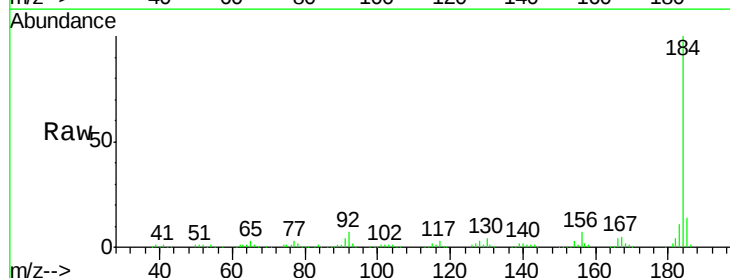
Tgt Ion:184 Resp: 251649

Ion Ratio Lower Upper

184 100

185 13.9 12.6 18.8

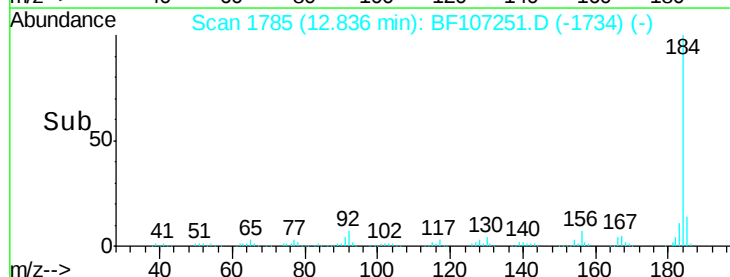
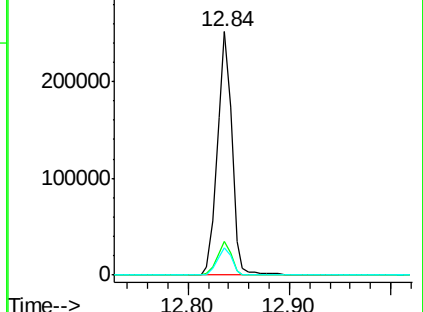
183 11.3 9.3 13.9

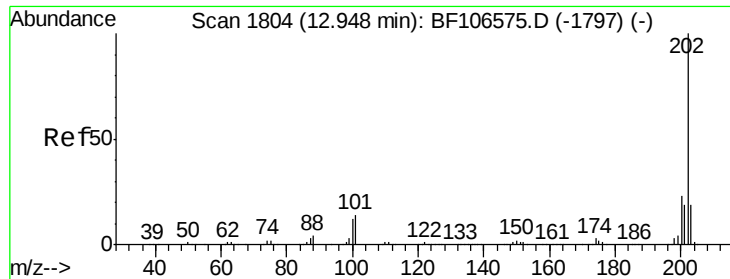


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

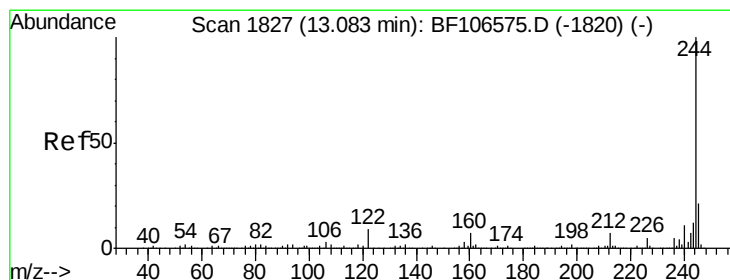
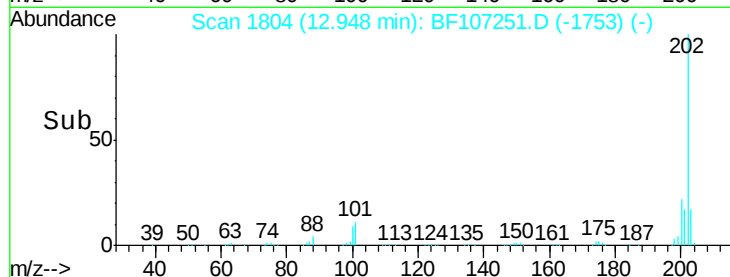
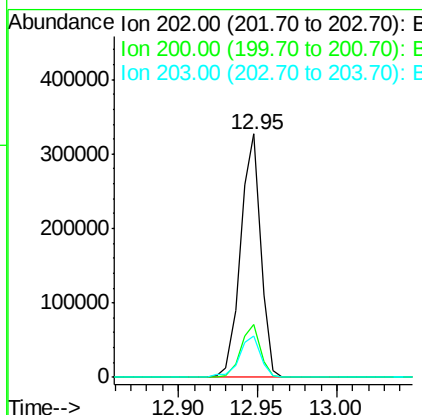
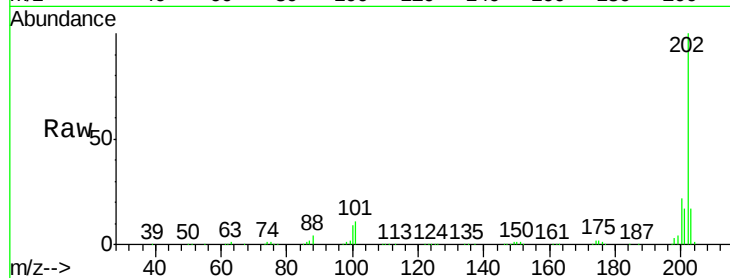




#77  
 Pyrene  
 Concen: 59.182 ng  
 RT: 12.95 min Scan# 1804  
 Delta R.T. -0.00 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

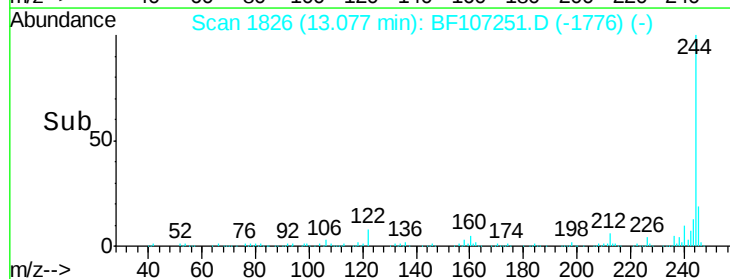
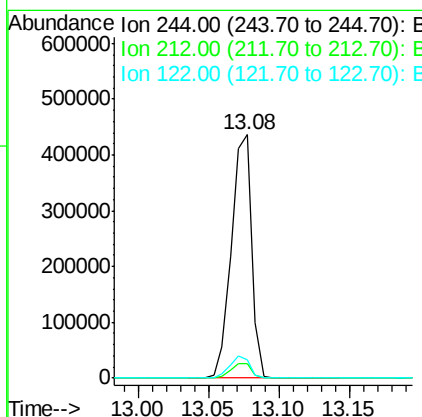
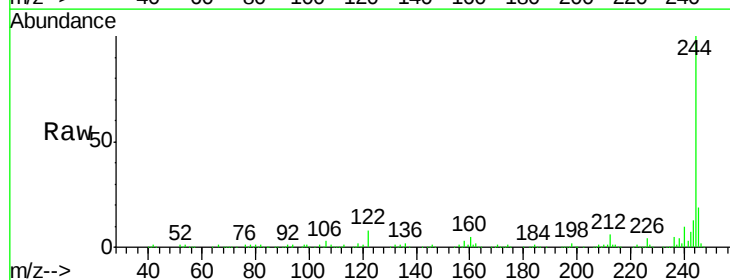
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

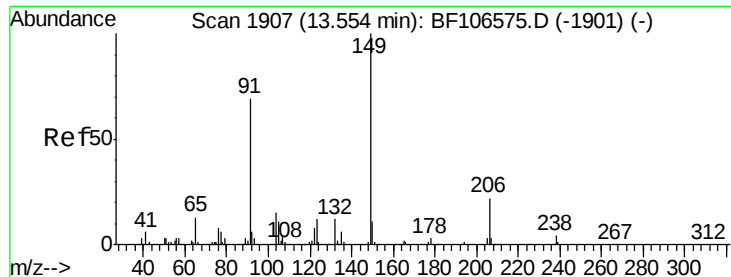
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 17.4  | 26.2  |
| 203     | 17.2  | 14.3  | 21.5  |



#78  
 Terphenyl-d14  
 Concen: 143.394 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.1   | 5.4   | 8.0   |
| 122     | 7.6   | 11.0  | 16.4  |

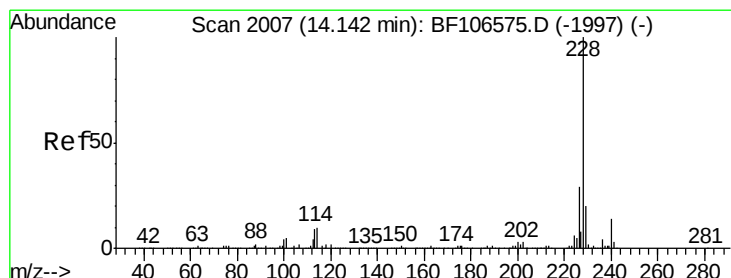
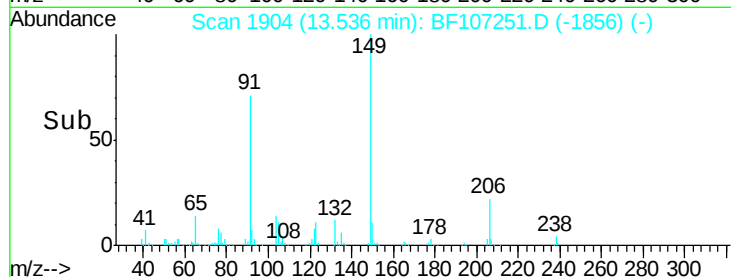
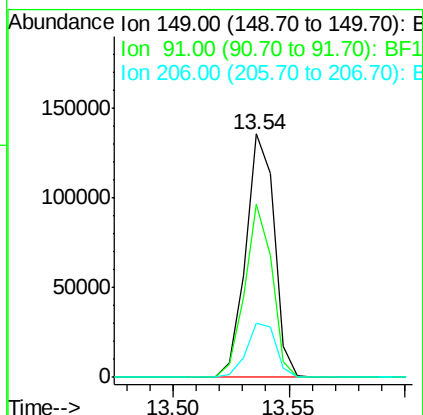
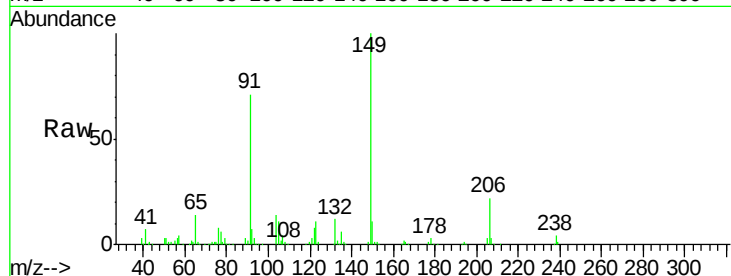




#79  
Butylbenzylphthalate  
Concen: 58.869 ng  
RT: 13.54 min Scan# 1904  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

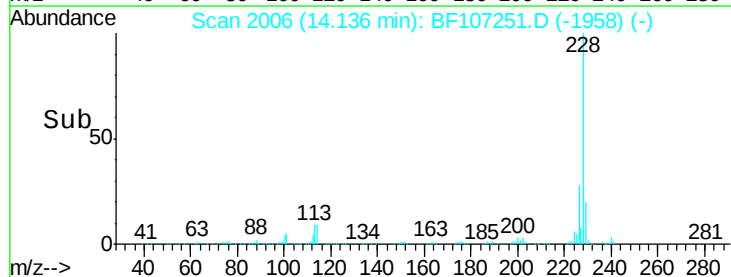
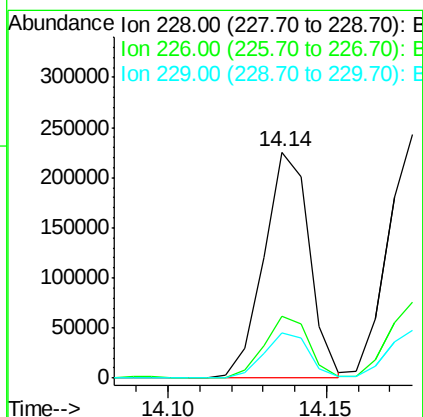
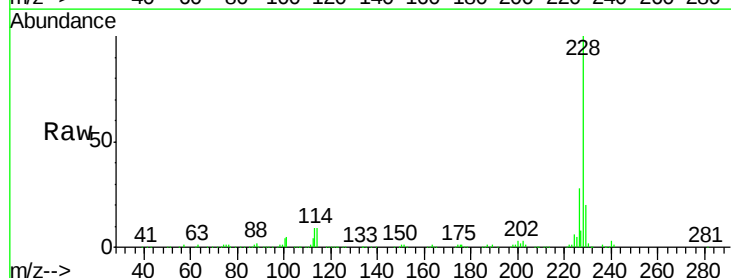
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

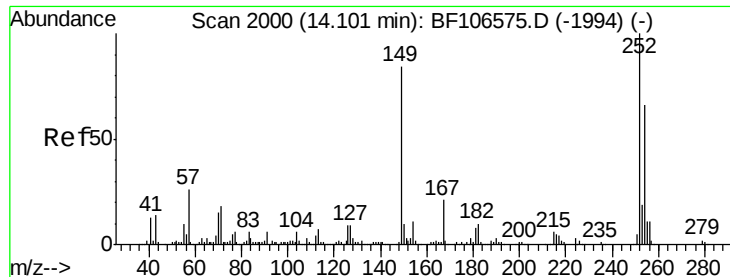
Tgt Ion:149 Resp: 117760  
Ion Ratio Lower Upper  
149 100  
91 71.1 56.8 85.2  
206 22.4 14.1 21.1#



#80  
Benzo(a)anthracene  
Concen: 49.909 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.02 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:228 Resp: 224430  
Ion Ratio Lower Upper  
228 100  
226 27.5 22.6 33.8  
229 20.0 15.8 23.6

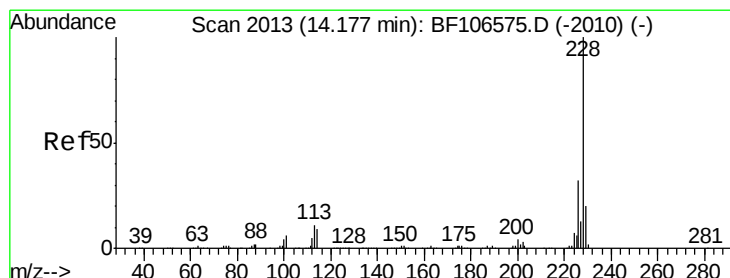
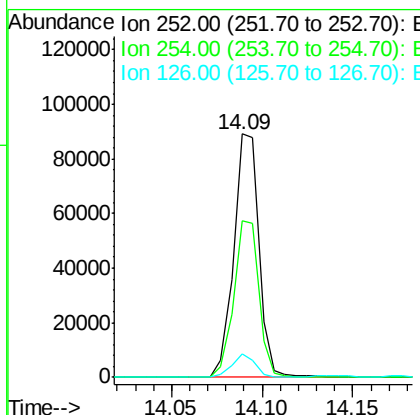
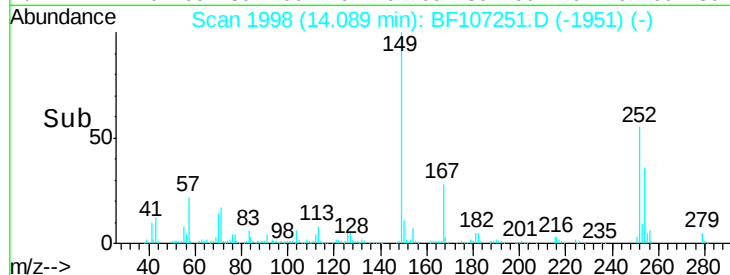
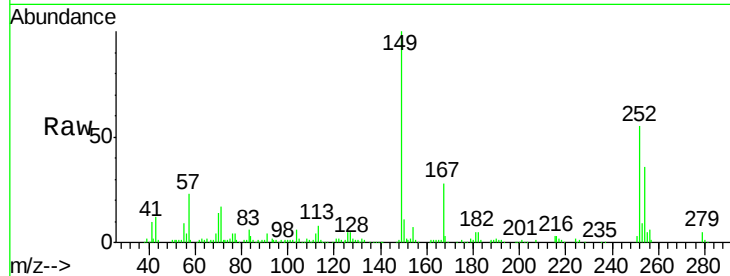




#81  
 3,3'-Dichlorobenzidine  
 Concen: 54.577 ng  
 RT: 14.09 min Scan# 1998  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

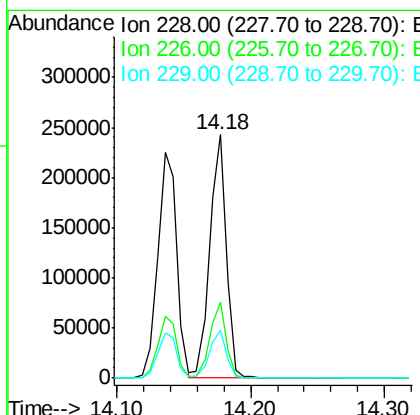
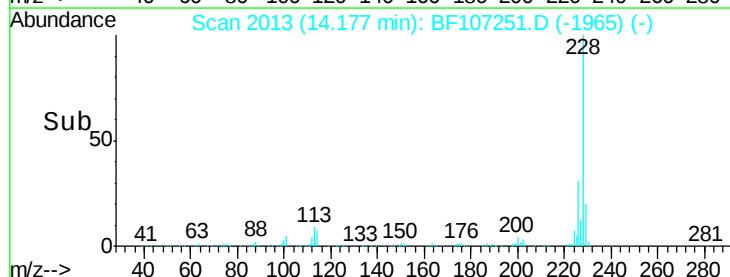
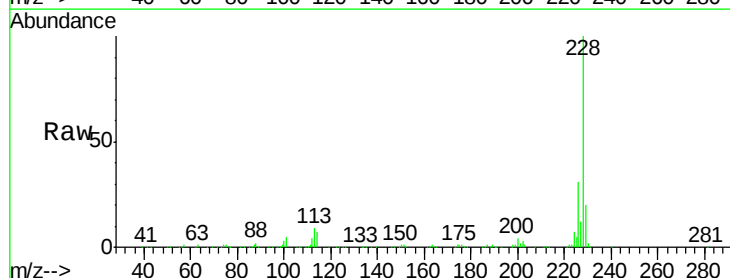
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

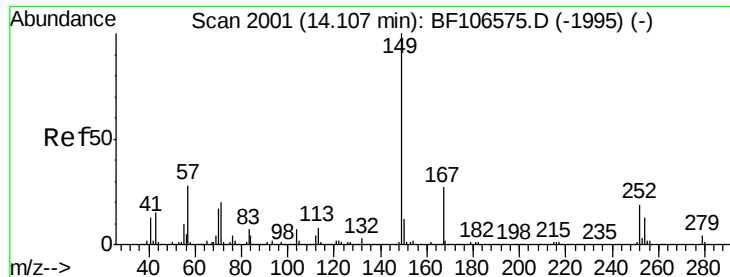
Tgt Ion: 252 Resp: 86255  
 Ion Ratio Lower Upper  
 252 100  
 254 64.2 50.4 75.6  
 126 9.4 11.3 16.9#



#82  
 Chrysene  
 Concen: 51.230 ng  
 RT: 14.18 min Scan# 2013  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

Tgt Ion: 228 Resp: 211937  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 25.0 37.6  
 229 19.7 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 58.421 ng

RT: 14.09 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

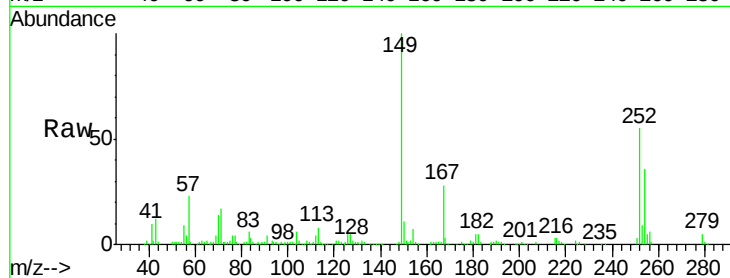
Tgt Ion:149 Resp: 149408

Ion Ratio Lower Upper

149 100

167 28.0 21.3 31.9

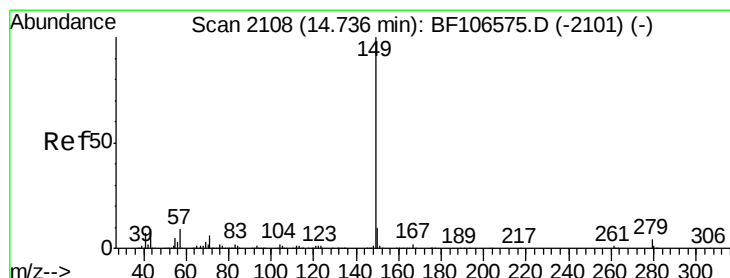
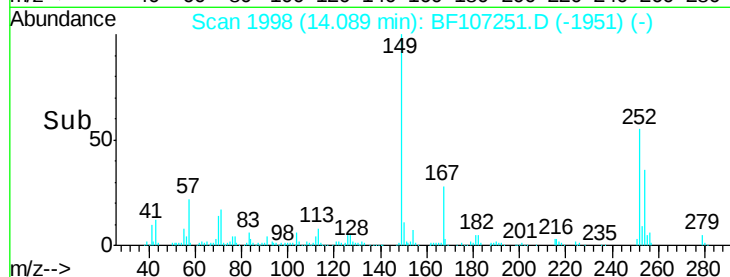
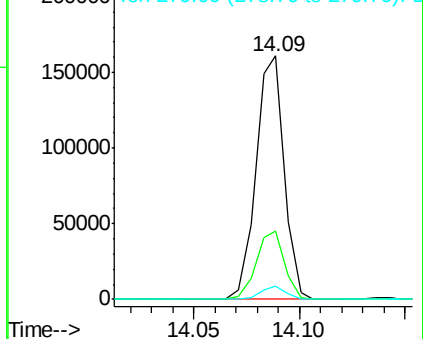
279 5.2 3.0 4.4#



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: 56.545 ng

RT: 14.71 min Scan# 2103

Delta R.T. -0.06 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

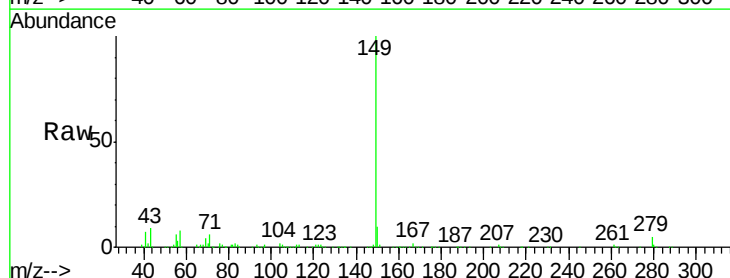
Tgt Ion:149 Resp: 235722

Ion Ratio Lower Upper

149 100

167 2.0 1.2 1.8#

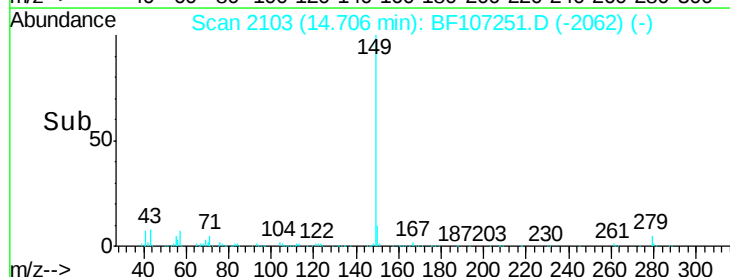
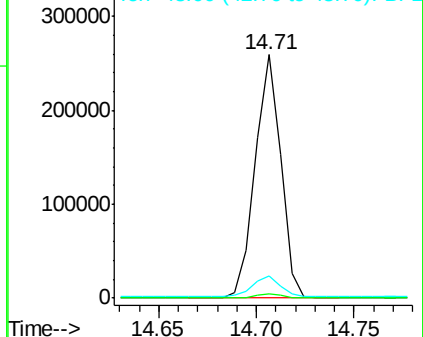
43 9.0 8.4 12.6

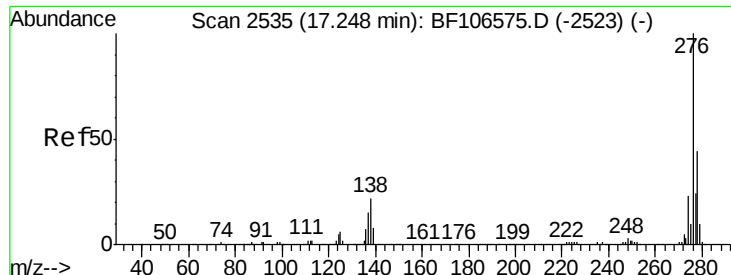


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

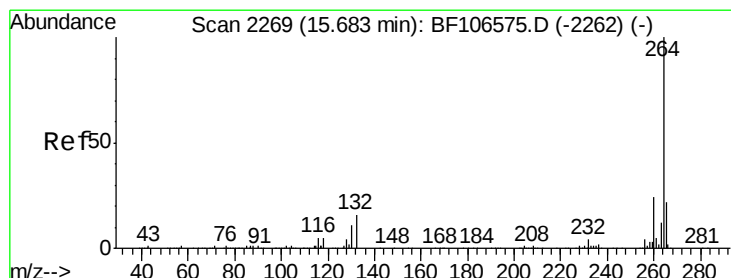
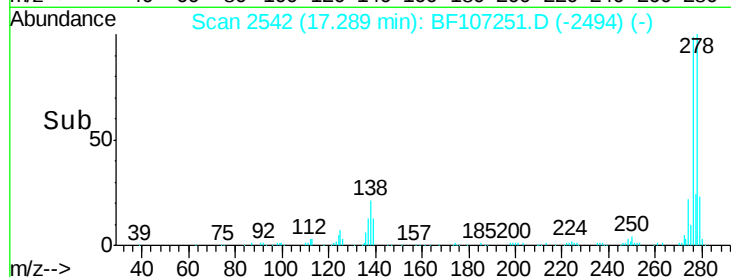
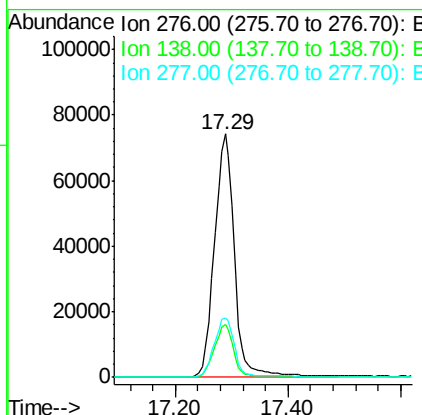
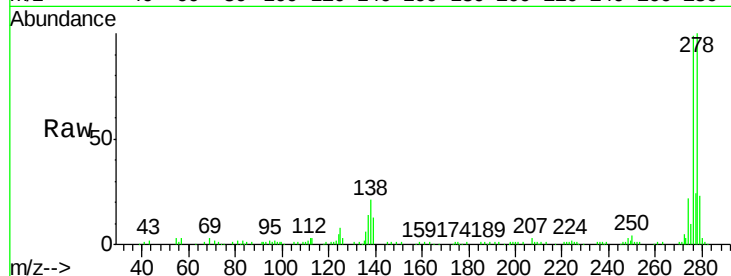




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 52.204 ng  
 RT: 17.29 min Scan# 2542  
 Delta R.T. -0.02 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

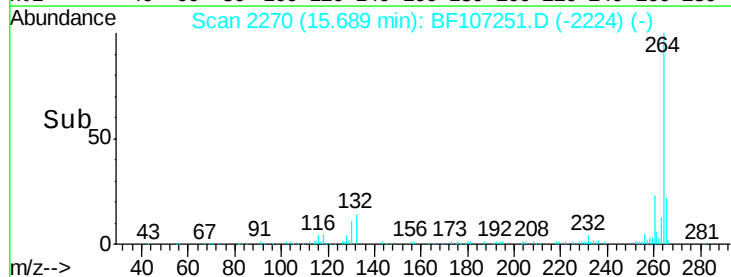
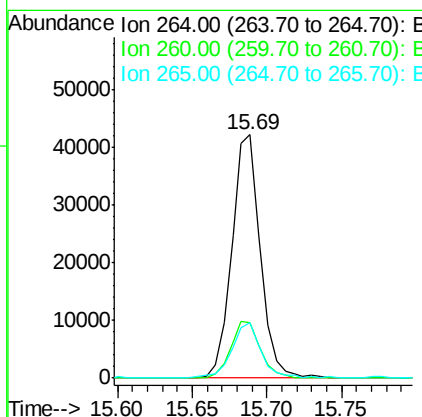
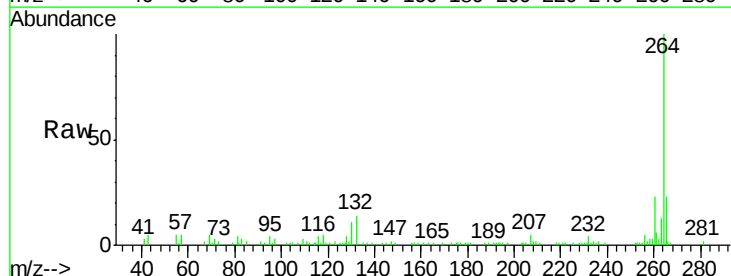
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110915BSD

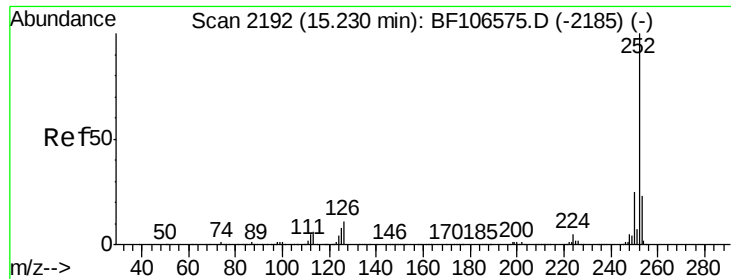
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.1  | 25.0  | 37.6# |
| 277     | 25.3  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.03 min  
 Lab File: BF107251.D  
 Acq: 10 Jul 2018 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.2  | 28.8  |
| 265     | 22.7  | 17.5  | 26.3  |

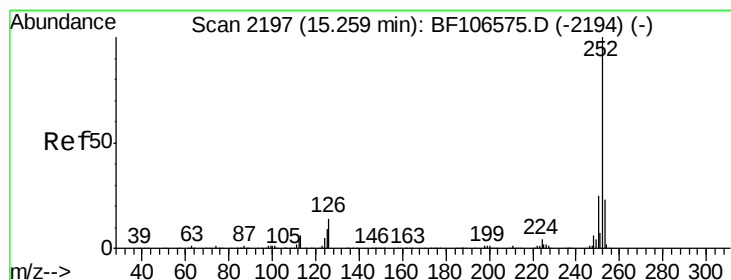
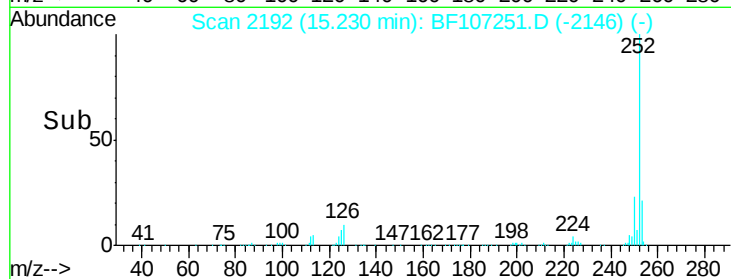
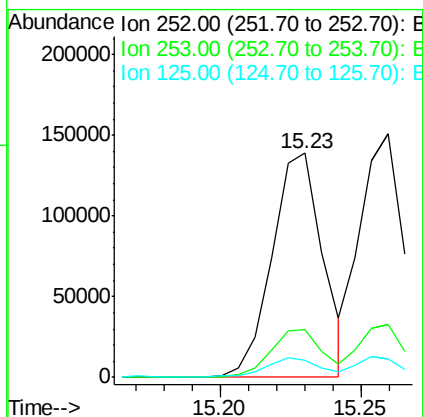
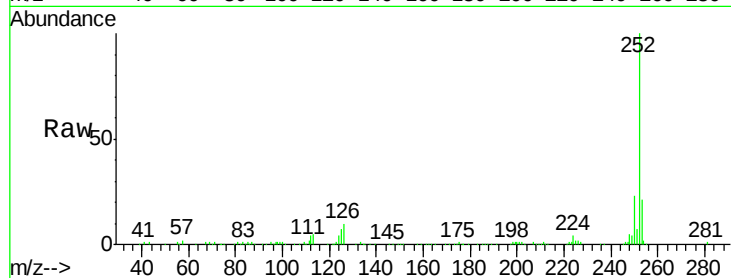




#87  
Benzo(b)fluoranthene  
Concen: 49.392 ng  
RT: 15.23 min Scan# 2192  
Delta R.T. -0.03 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

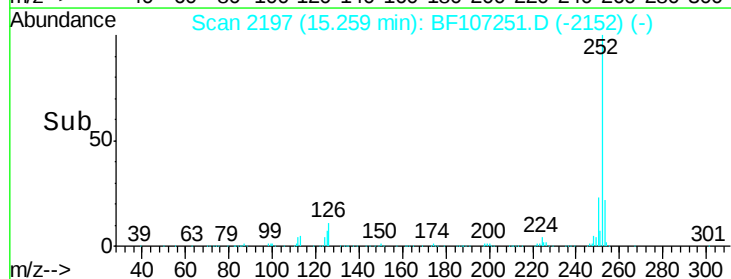
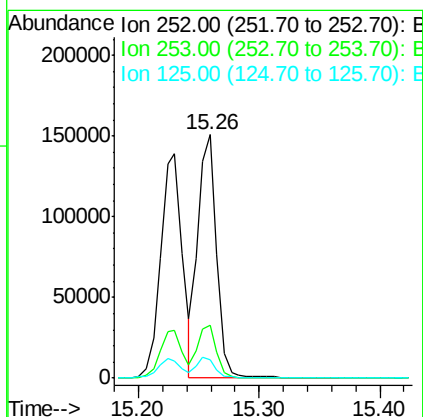
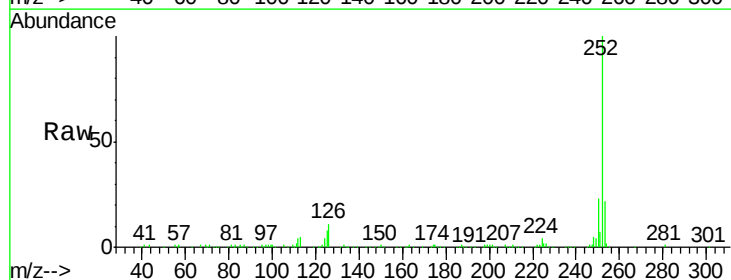
Instrument :  
BNA\_F  
ClientSampleId :  
PB110915BSD

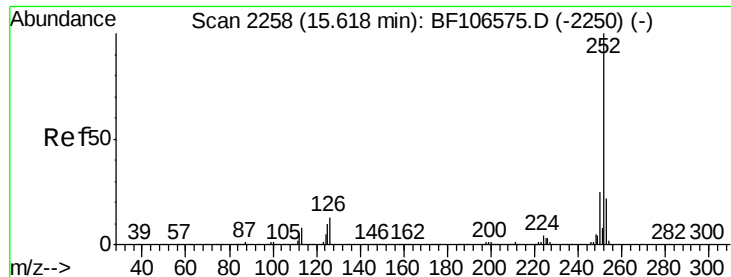
Tgt Ion:252 Resp: 172920  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.6  
125 7.5 9.0 13.6#



#88  
Benzo(k)fluoranthene  
Concen: 49.209 ng  
RT: 15.26 min Scan# 2197  
Delta R.T. -0.04 min  
Lab File: BF107251.D  
Acq: 10 Jul 2018 1:53

Tgt Ion:252 Resp: 164063  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.9 26.9  
125 7.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 51.536 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD

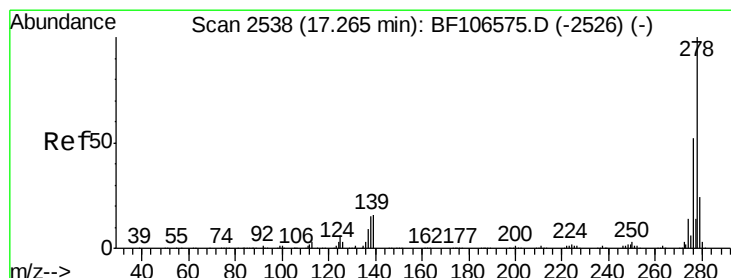
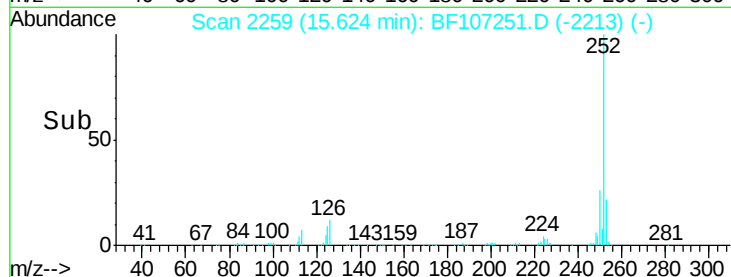
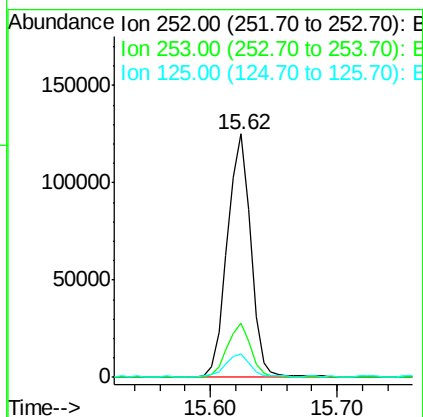
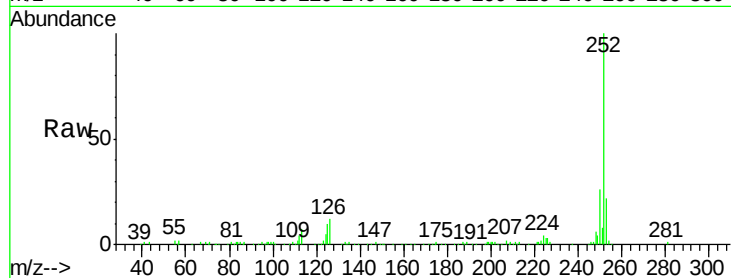
Tgt Ion:252 Resp: 160395

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 9.6 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 58.475 ng

RT: 17.29 min Scan# 2542

Delta R.T. -0.04 min

Lab File: BF107251.D

Acq: 10 Jul 2018 1:53

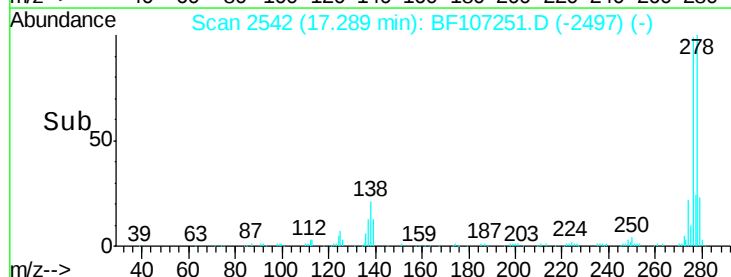
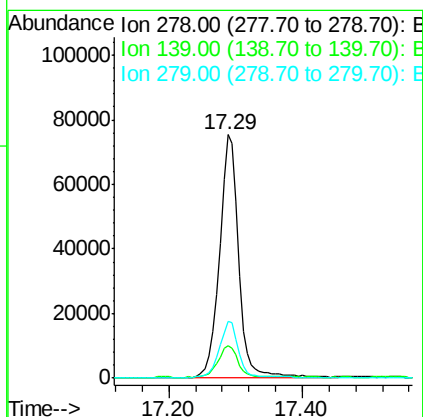
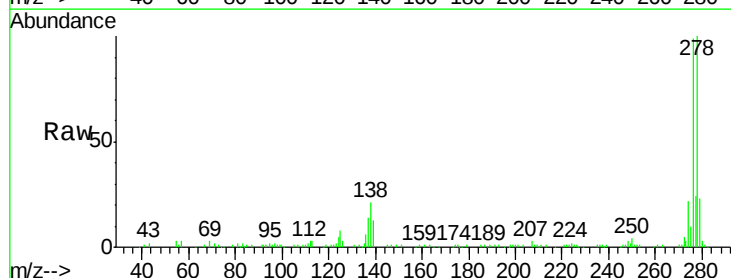
Tgt Ion:278 Resp: 154236

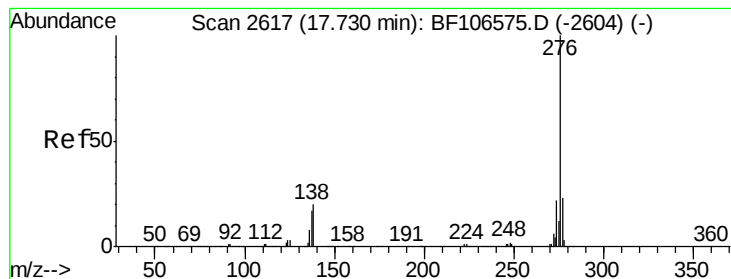
Ion Ratio Lower Upper

278 100

139 13.5 15.9 23.9#

279 23.5 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 58.442 ng

RT: 17.78 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF107251.D

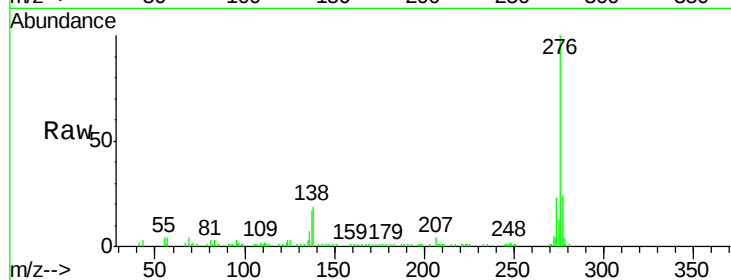
Acq: 10 Jul 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

PB110915BSD



Tgt Ion: 276 Resp: 150668

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 19.1 21.8 32.8#

