

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\  
 Data File : BF101744.D  
 Acq On : 27 Dec 2017 5:07  
 Operator : SJ/JU  
 Sample : I7043-01MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

Quant Time: Dec 27 05:41:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 135013   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 487927   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.83  | 164  | 185041   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 298800   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.97 | 240  | 287240   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.44 | 264  | 262873   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 766183  | 84.53  | ng | 0.01 |
| 7) Phenol-d6             | 6.44  | 99  | 908020  | 80.50  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 583036  | 66.52  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 222011  | 124.51 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 1008260 | 84.52  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.90 | 244 | 1113395 | 93.45  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.57 | 88  | 105244 | 22.598 | ng | 97     |
| 3) Pyridine                    | 3.35 | 79  | 237058 | 18.320 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.29 | 42  | 123384 | 20.709 | ng | 97     |
| 6) Aniline                     | 6.47 | 93  | 83705  | 5.340  | ng | # 53   |
| 8) 2-Chlorophenol              | 6.58 | 128 | 218655 | 22.933 | ng | 98     |
| 9) Benzaldehyde                | 6.36 | 77  | 77324  | 9.282  | ng | 98     |
| 10) Phenol                     | 6.45 | 94  | 306787 | 23.862 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 240036 | 23.801 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 252633 | 23.477 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 261623 | 23.808 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 234499 | 23.708 | ng | 97     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 200985 | 25.886 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 409090 | 26.505 | ng | # 44   |
| 17) 2-Methylphenol             | 7.06 | 107 | 199609 | 22.759 | ng | # 87   |
| 18) Hexachloroethane           | 7.29 | 117 | 70284  | 18.396 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 205536 | 27.745 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 297408 | 32.000 | ng | 99     |
| 22) Acetophenone               | 7.20 | 105 | 388491 | 34.894 | ng | # 97   |
| 24) Nitrobenzene               | 7.38 | 77  | 267900 | 27.616 | ng | 99     |
| 25) Isophorone                 | 7.62 | 82  | 550287 | 31.295 | ng | 99     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 114463 | 27.464 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 236613 | 33.418 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 340594 | 30.493 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 213096 | 30.464 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 194679 | 26.372 | ng | 97     |
| 31) Naphthalene                | 8.09 | 128 | 688987 | 28.049 | ng | 100    |
| 32) Benzoic acid               | 7.93 | 122 | 9330   | 9.592  | ng | 89     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 57440  | 5.380  | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 110739 | 25.937 | ng | 99     |
| 35) Caprolactam                | 8.53 | 113 | 90795  | 37.381 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 231731 | 30.140 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 470770 | 29.416 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 221712 | 35.488 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 8.84 | 237 | 335    | 11.670 | ng | # 26   |

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 ALS Vial : 25 Sample Multiplier: 1

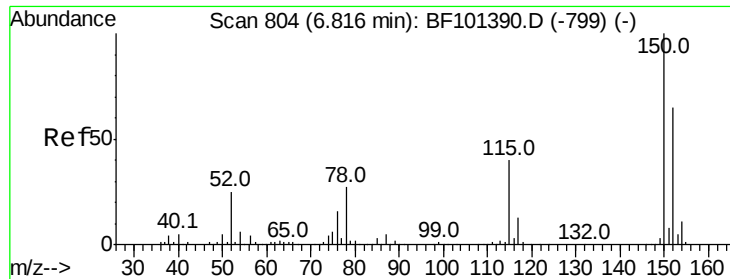
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

Quant Time: Dec 27 05:41:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 137810   | 36.640 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.13  | 196  | 131530   | 31.939 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.25  | 154  | 577251   | 35.176 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.27  | 162  | 420998   | 33.528 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 163690   | 37.737 | nq    | 91       |
| 48) Acenaphthylene             | 9.69  | 152  | 611200   | 30.818 | nq    | 100      |
| 49) Dimethylphthalate          | 9.55  | 163  | 648960   | 43.601 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 107686   | 35.598 | nq    | 91       |
| 51) Acenaphthene               | 9.86  | 154  | 376157   | 31.569 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.80  | 138  | 81387    | 21.579 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.99  | 184  | 985      | 11.135 | nq #  | 1        |
| 54) Dibenzofuran               | 10.03 | 168  | 556867   | 36.775 | nq    | 97       |
| 55) 4-Nitrophenol              | 9.99  | 139  | 111764   | 67.960 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 141665   | 41.565 | nq #  | 96       |
| 57) Fluorene                   | 10.38 | 166  | 452789   | 35.347 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 115419   | 39.009 | nq #  | 86       |
| 59) Diethylphthalate           | 10.24 | 149  | 570958   | 38.737 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204  | 221092   | 36.013 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 130296   | 34.370 | nq    | 94       |
| 62) Azobenzene                 | 10.53 | 77   | 484741   | 31.747 | nq    | 96       |
| 65) n-Nitrosodiphenylamine     | 10.49 | 169  | 442875   | 40.141 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.86 | 248  | 137367   | 40.915 | nq #  | 83       |
| 67) Hexachlorobenzene          | 10.93 | 284  | 142729   | 40.167 | nq #  | 87       |
| 68) Atrazine                   | 11.02 | 200  | 104677   | 31.819 | nq    | 95       |
| 69) Pentachlorophenol          | 11.13 | 266  | 117620   | 84.700 | nq    | 100      |
| 70) Phenanthrene               | 11.34 | 178  | 678817   | 40.851 | nq    | 99       |
| 71) Anthracene                 | 11.40 | 178  | 713207   | 42.019 | nq    | 98       |
| 72) Carbazole                  | 11.56 | 167  | 701632   | 44.151 | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 873195   | 45.271 | nq    | 99       |
| 74) Fluoranthene               | 12.54 | 202  | 795860   | 45.630 | nq    | 97       |
| 76) Benzidine                  | 12.66 | 184  | 232684   | 19.180 | nq    | 97       |
| 77) Pyrene                     | 12.77 | 202  | 838736   | 38.907 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.37 | 149  | 392863   | 40.276 | nq    | 97       |
| 80) Benzo(a)anthracene         | 13.96 | 228  | 816673   | 43.058 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 213902   | 34.587 | nq    | 98       |
| 82) Chrysene                   | 14.00 | 228  | 795023   | 44.394 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149  | 527418   | 42.689 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.53 | 149  | 1023654  | 46.459 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 614229   | 38.516 | nq    | 97       |
| 87) Benzo(b)fluoranthene       | 15.02 | 252  | 749392   | 46.771 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.04 | 252  | 688978   | 44.226 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.38 | 252  | 669087   | 45.298 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 16.92 | 278  | 524329   | 41.345 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.37 | 276  | 514410   | 40.964 | nq    | 95       |

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



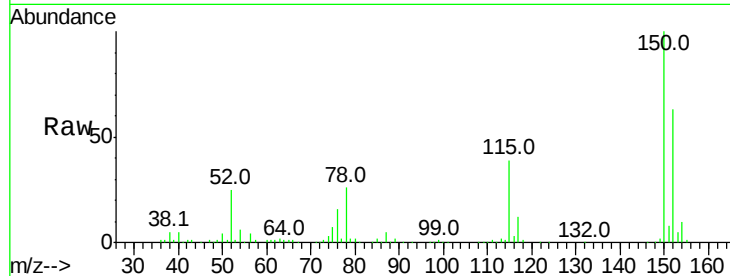


#1

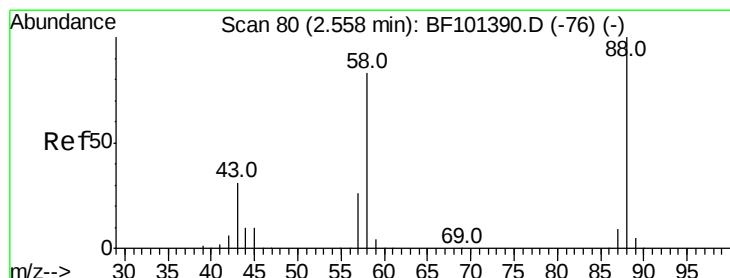
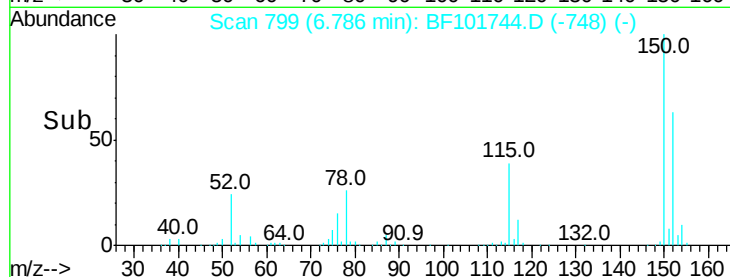
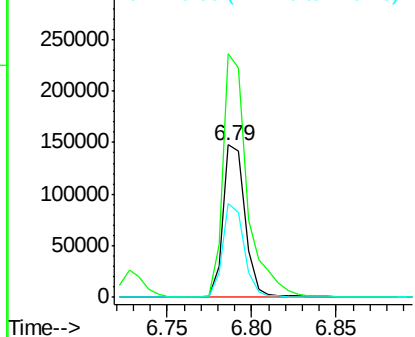
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:152 Resp: 135013  
Ion Ratio Lower Upper  
152 100  
150 159.6 124.6 186.8  
115 61.5 50.1 75.1



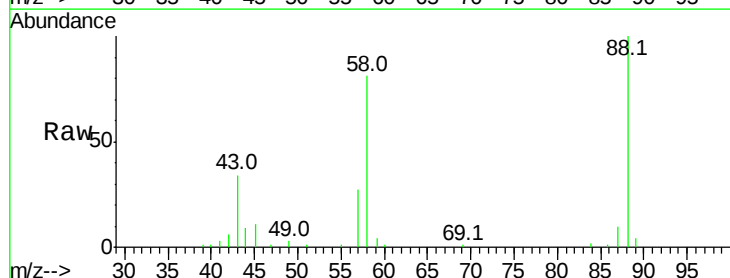
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



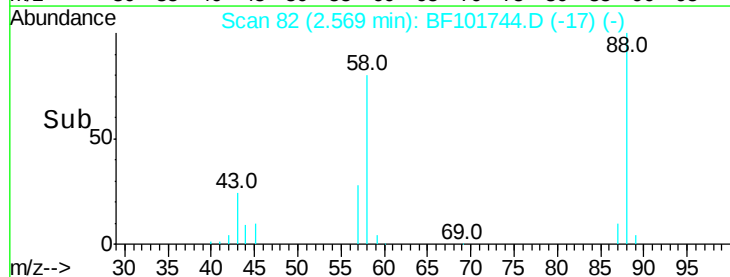
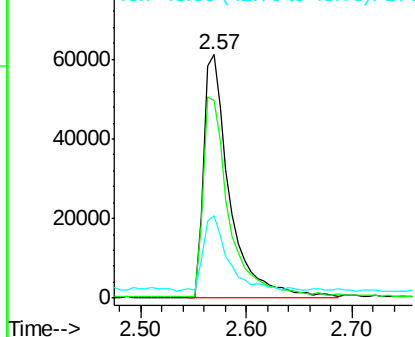
#2

1,4-Dioxane  
Concen: 22.598 ng  
RT: 2.57 min Scan# 82  
Delta R.T. 0.08 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion: 88 Resp: 105244  
Ion Ratio Lower Upper  
88 100  
58 81.4 62.6 93.8  
43 29.2 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



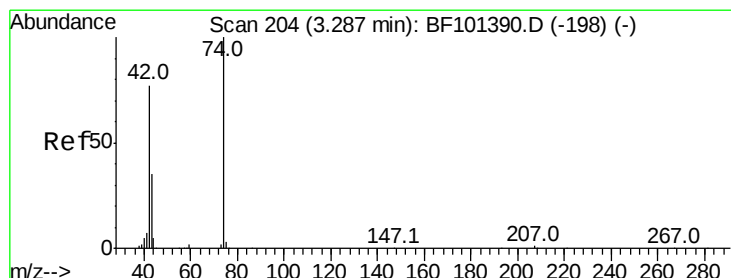
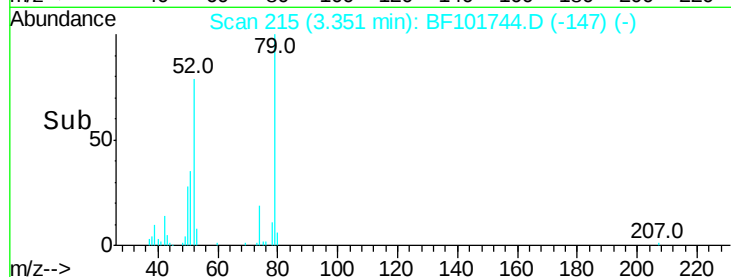
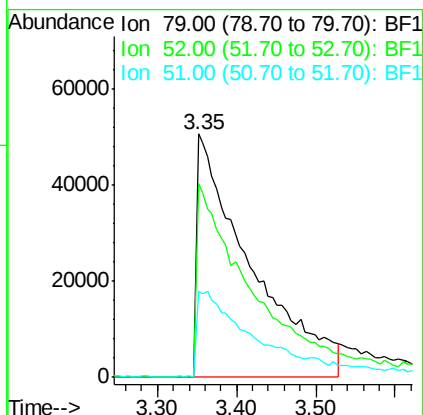
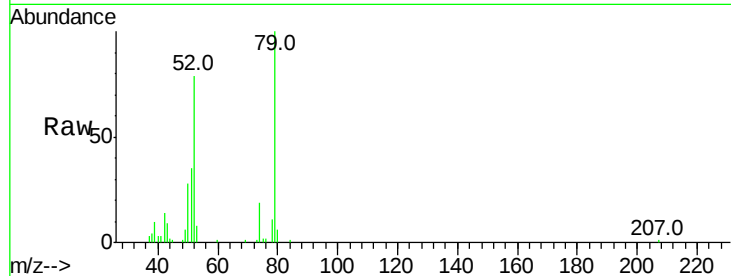


#3  
Pvridine  
Concen: 18.320 ng  
RT: 3.35 min Scan# 215  
Delta R.T. 0.10 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion: 79 Resp: 237058  

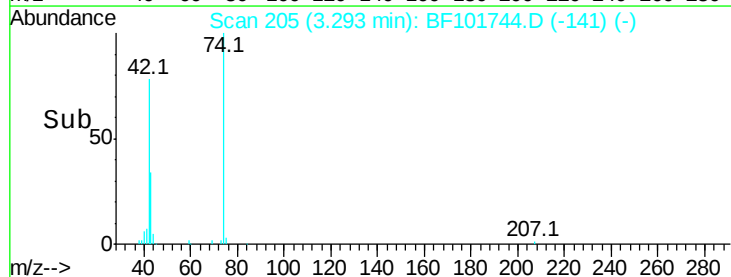
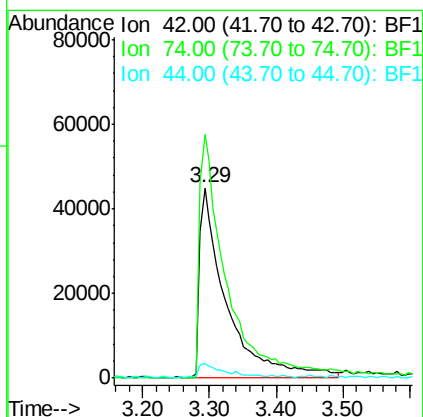
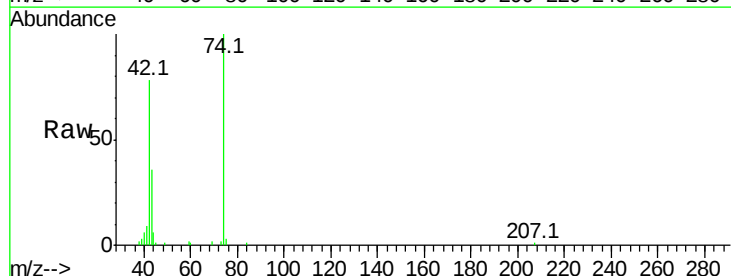
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 79.4  | 59.8  | 89.6  |
| 51  | 35.2  | 29.8  | 44.8  |

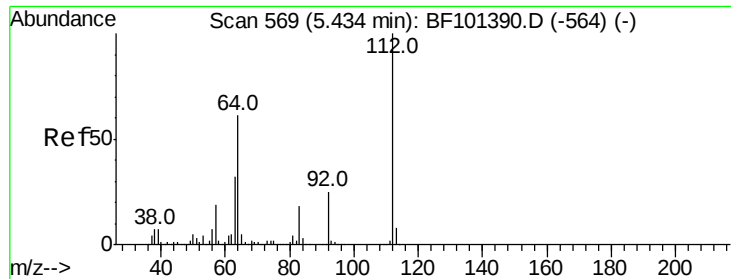


#4  
n-Nitrosodimethylamine  
Concen: 20.709 ng  
RT: 3.29 min Scan# 205  
Delta R.T. 0.08 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion: 42 Resp: 123384  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 127.8 | 104.9 | 157.3 |
| 44  | 7.7   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 84.532 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

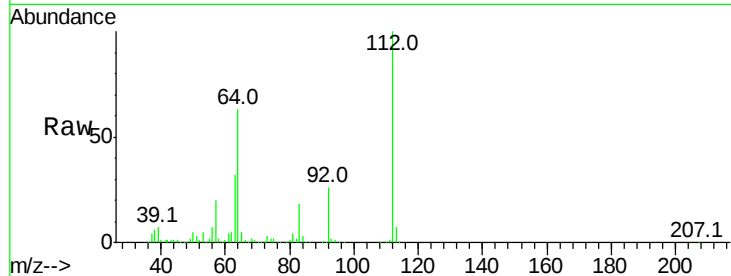
Tot Ion:112 Resp: 766183

Ion Ratio Lower Upper

112 100

64 63.2 47.9 71.9

63 32.4 23.7 35.5

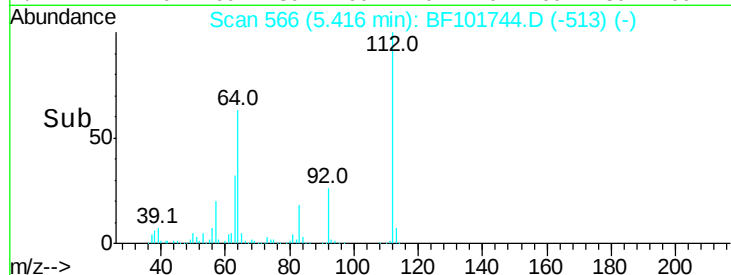


Abundance Ion 112.00 (111.70 to 112.70): E

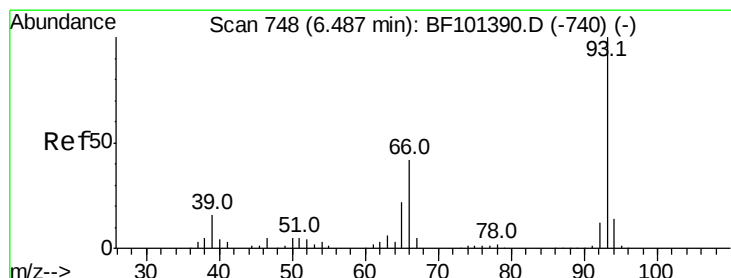
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

5.42



Time-->



#6

Aniline

Concen: 5.340 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

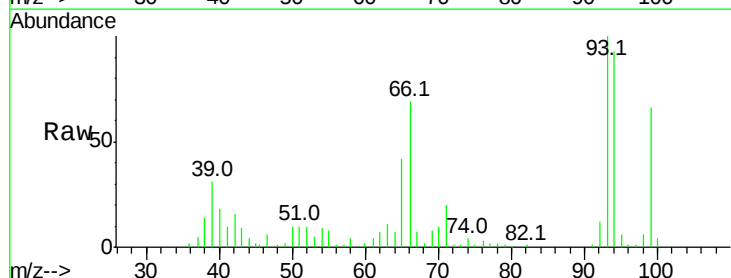
Tgt Ion: 93 Resp: 83705

Ion Ratio Lower Upper

93 100

66 69.2 32.2 48.2#

65 42.2 16.4 24.6#

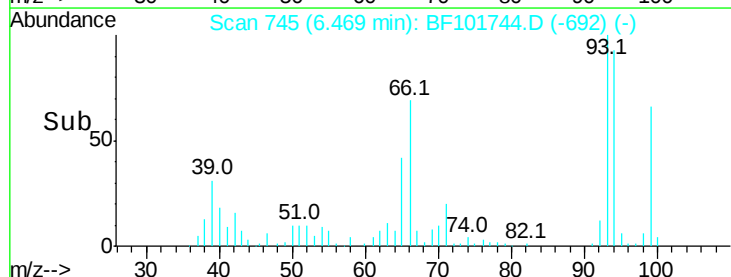


Abundance Ion 93.00 (92.70 to 93.70): BF1

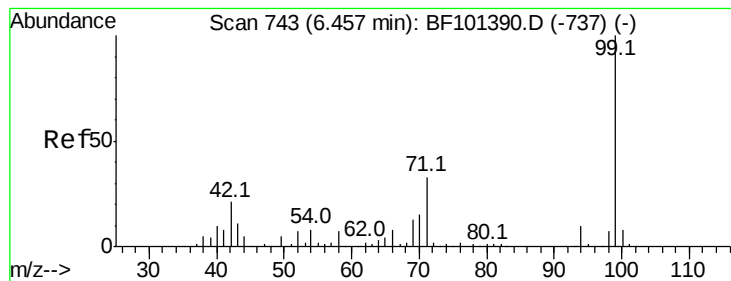
Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

6.47



Time-->



#7

Phenol-d6

Concen: 80.496 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

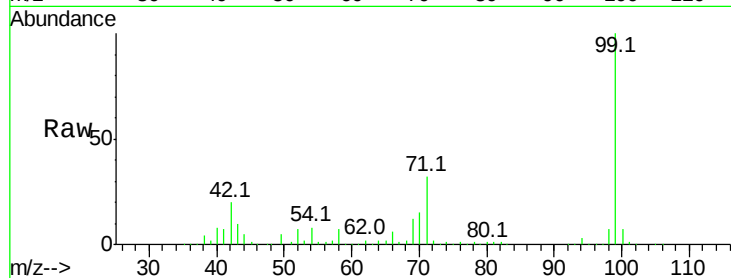
Tot Ion: 99 Resp: 908020

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

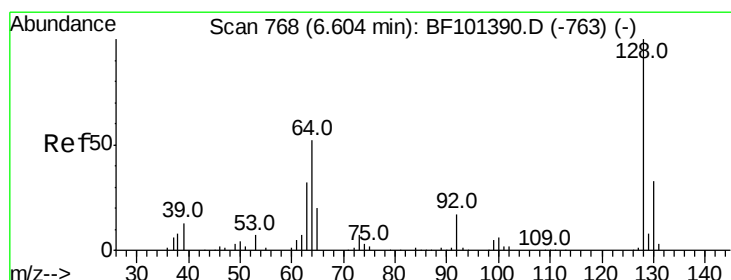
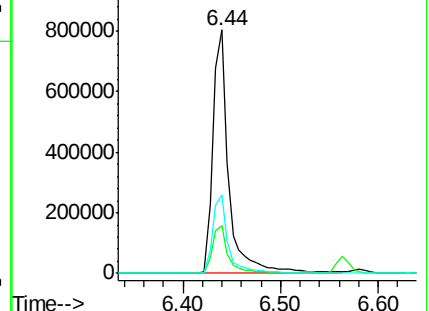
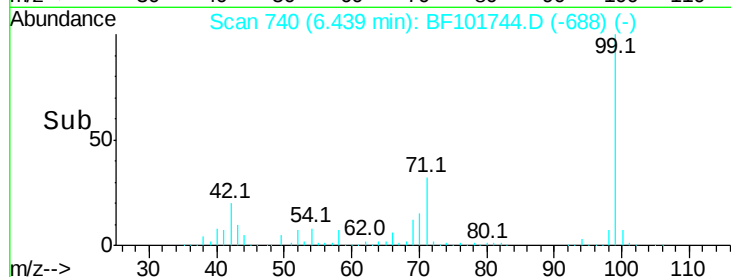
71 32.4 25.4 38.0



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: 22.933 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

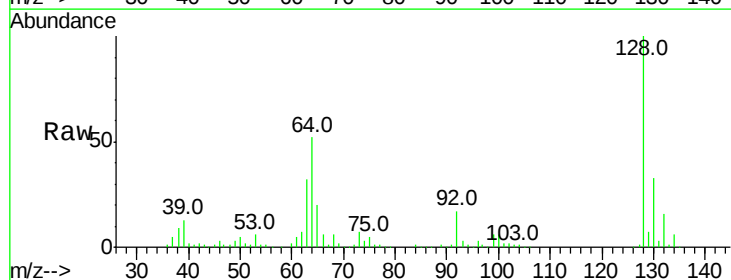
Tgt Ion:128 Resp: 218655

Ion Ratio Lower Upper

128 100

130 32.9 13.0 53.0

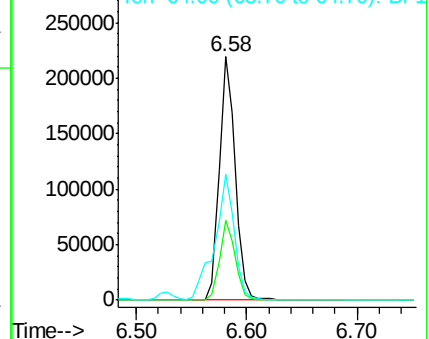
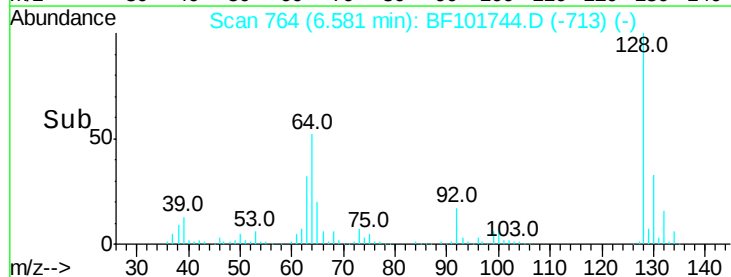
64 51.9 29.4 69.4

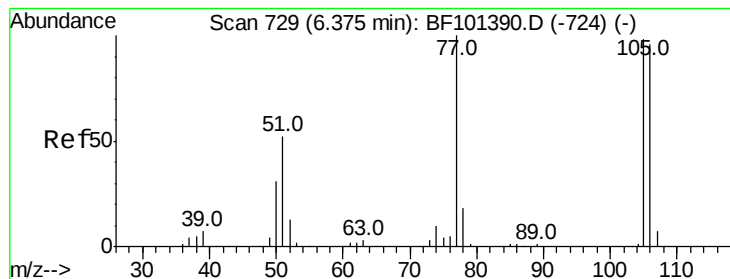


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 9.282 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

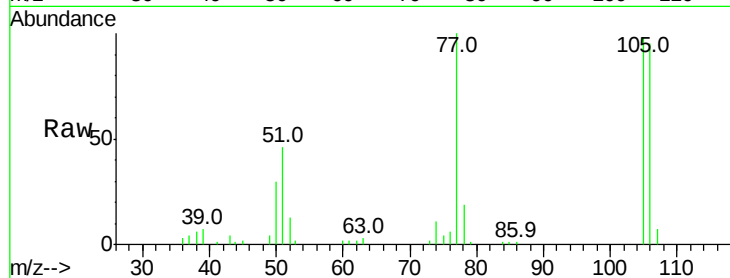
Tot Ion: 77 Resp: 77324

Ion Ratio Lower Upper

77 100

105 98.0 81.1 121.1

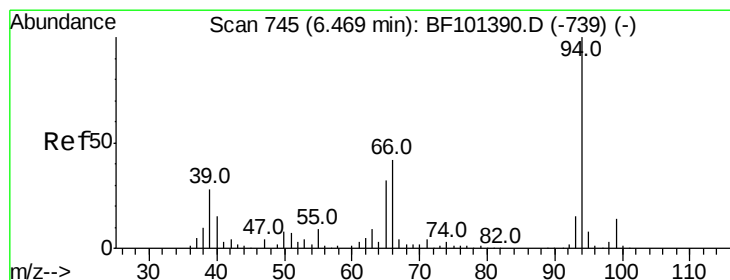
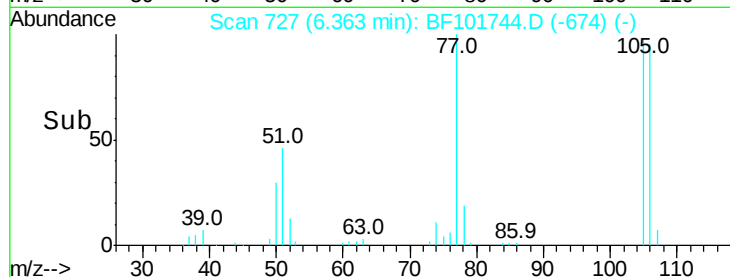
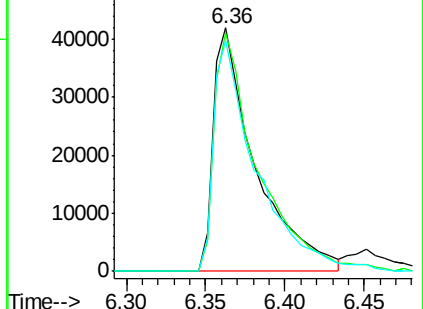
106 94.9 74.5 114.5



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: 23.862 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

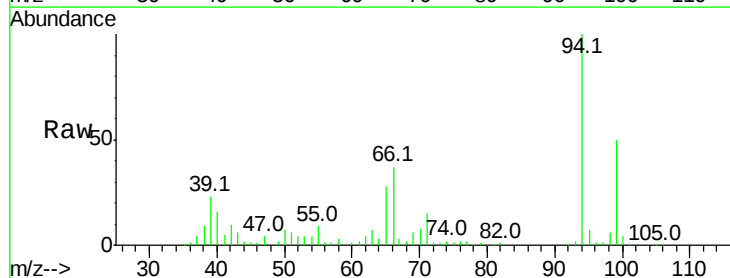
Tgt Ion: 94 Resp: 306787

Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

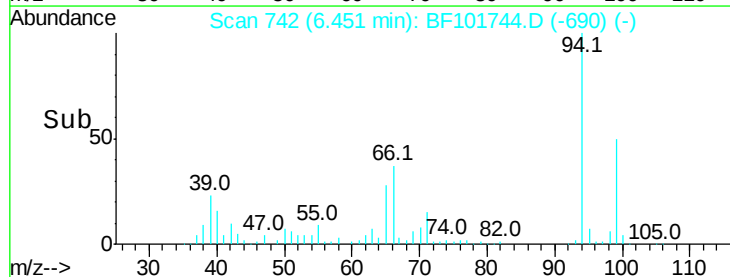
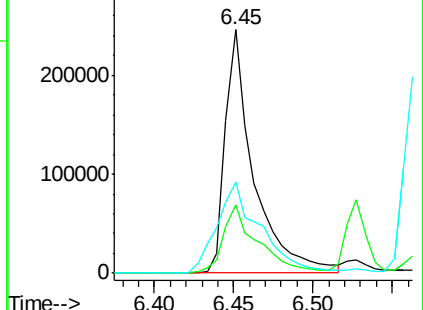
66 37.4 16.2 56.2

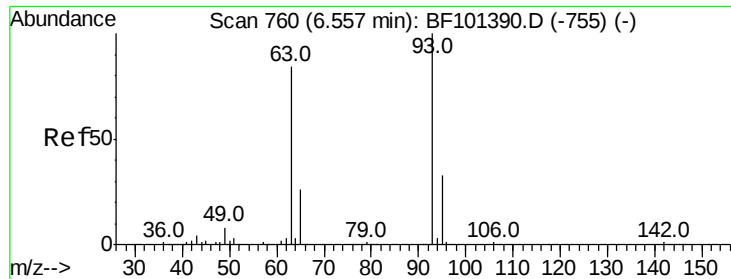


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

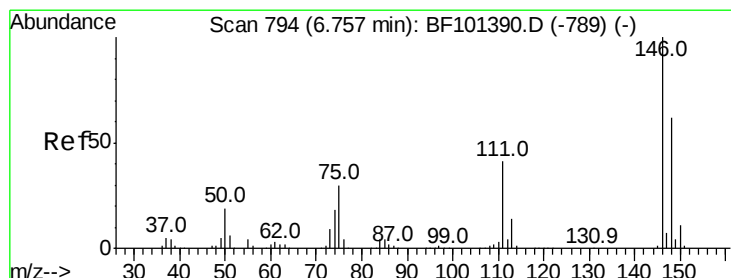
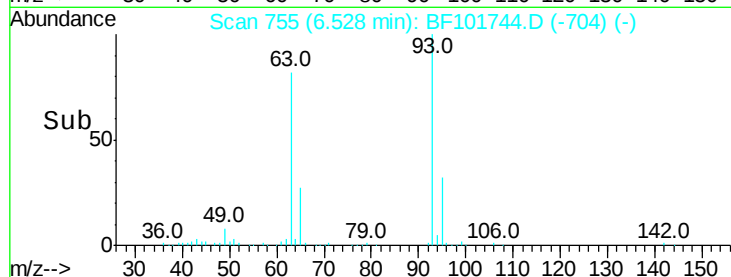
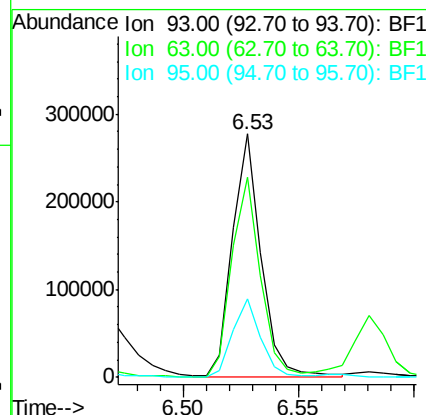
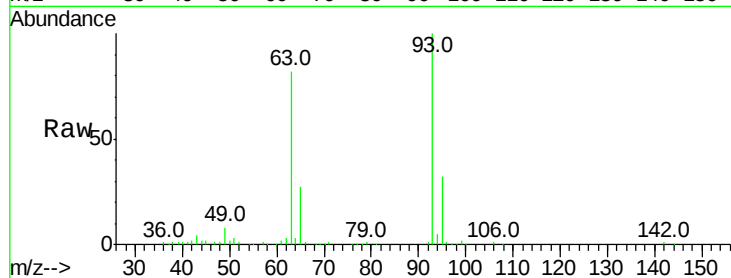




#11  
bis(2-Chloroethyl)ether  
Concen: 23.801 ng  
RT: 6.53 min Scan# 755  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

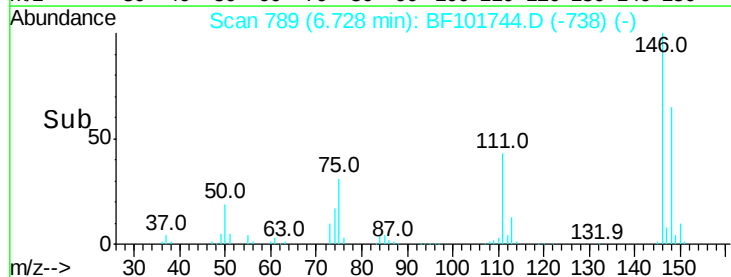
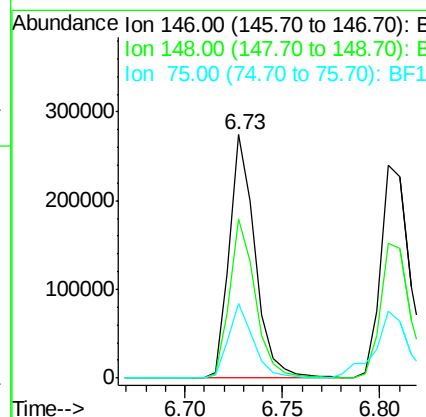
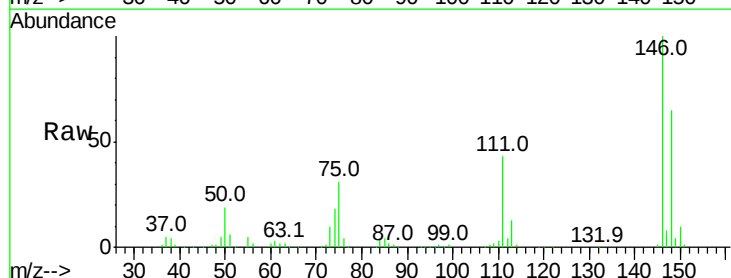
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

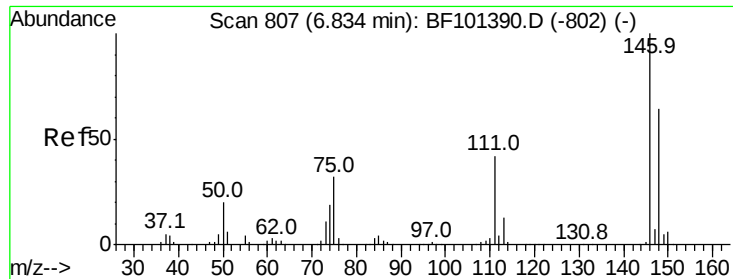
Tot Ion: 93 Resp: 240036  
Ion Ratio Lower Upper  
93 100  
63 82.1 58.6 98.6  
95 32.2 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 23.477 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion: 146 Resp: 252633  
Ion Ratio Lower Upper  
146 100  
148 65.4 51.8 77.8  
75 30.9 24.2 36.4

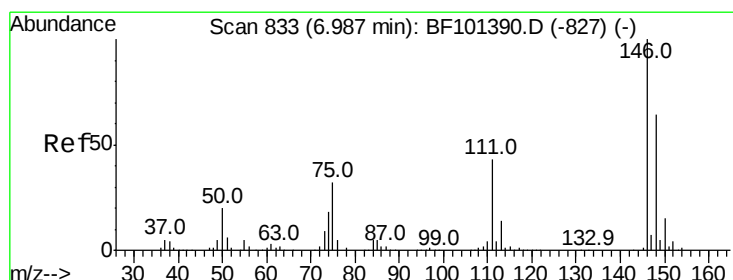
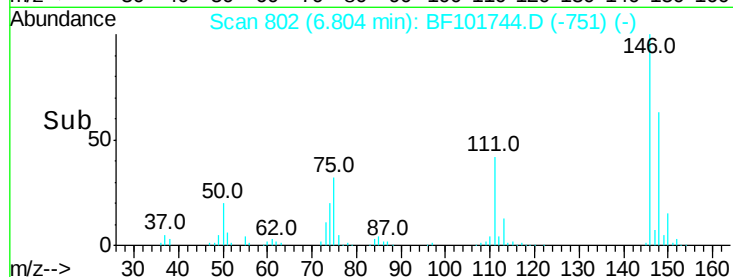
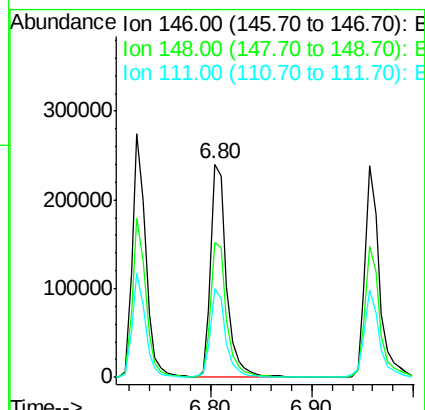
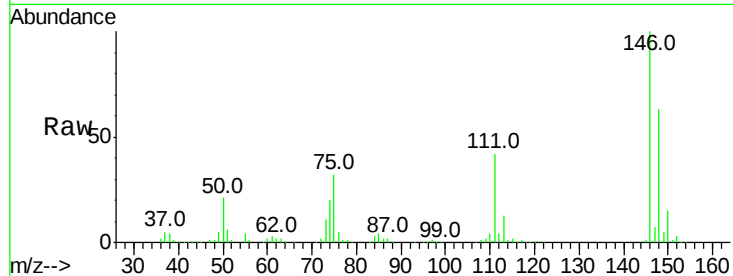




#13  
 1,4-Dichlorobenzene  
 Concen: 23.808 ng  
 RT: 6.80 min Scan# 802  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

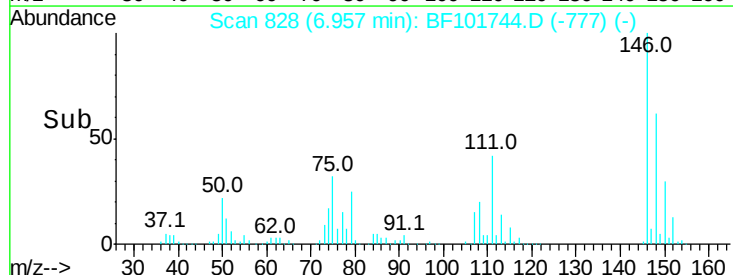
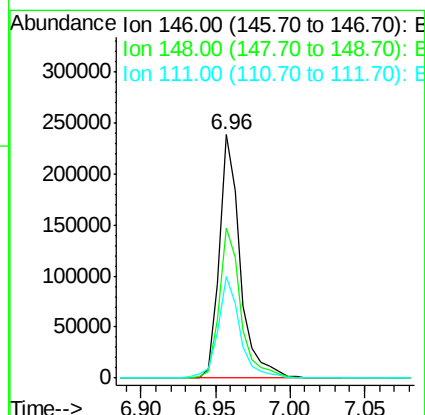
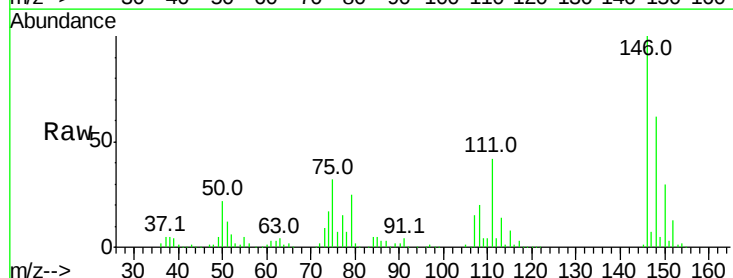
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

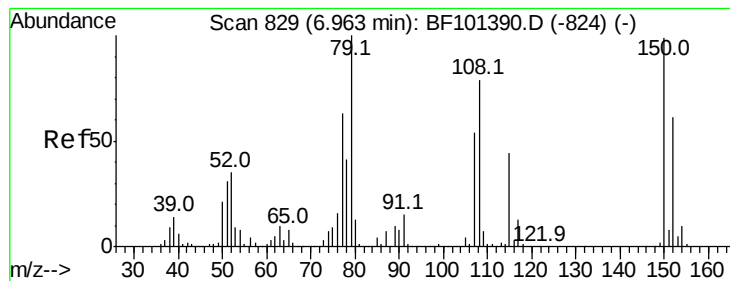
Tot Ion:146 Resp: 261623  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 50.8 76.2  
 111 41.9 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 23.708 ng  
 RT: 6.96 min Scan# 828  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Tgt Ion:146 Resp: 234499  
 Ion Ratio Lower Upper  
 146 100  
 148 61.8 50.6 75.8  
 111 41.6 36.0 54.0





#15

Benzyl Alcohol

Concen: 25.886 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

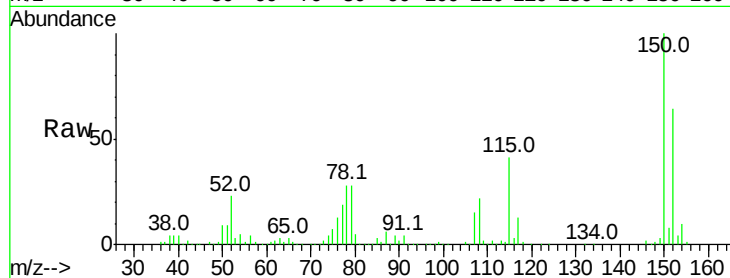
Tot Ion: 79 Resp: 200985

Ion Ratio Lower Upper

79 100

108 77.1 65.1 97.7

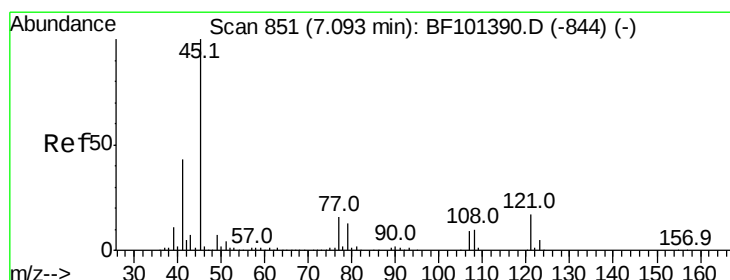
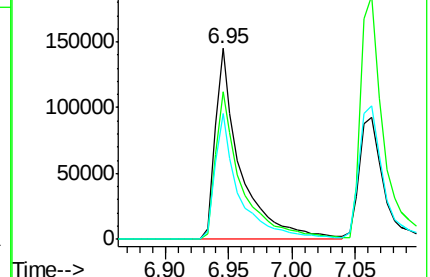
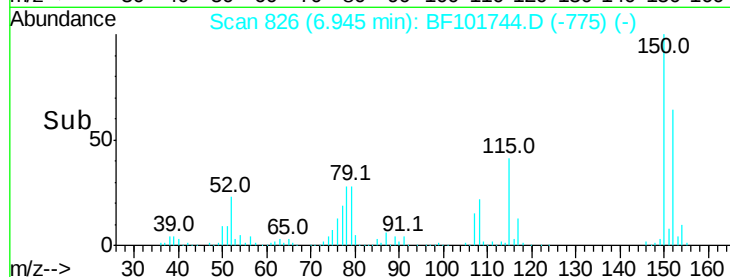
77 65.7 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 26.505 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

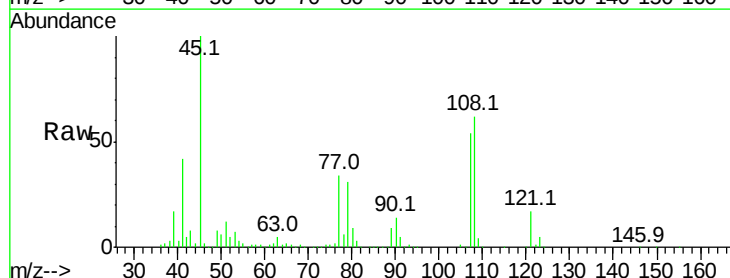
Tgt Ion: 45 Resp: 409090

Ion Ratio Lower Upper

45 100

77 34.1 0.0 32.9#

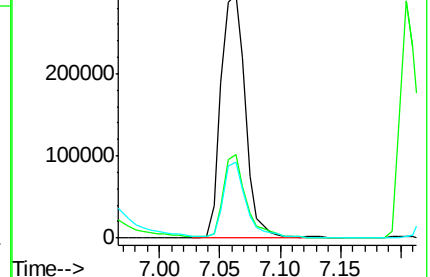
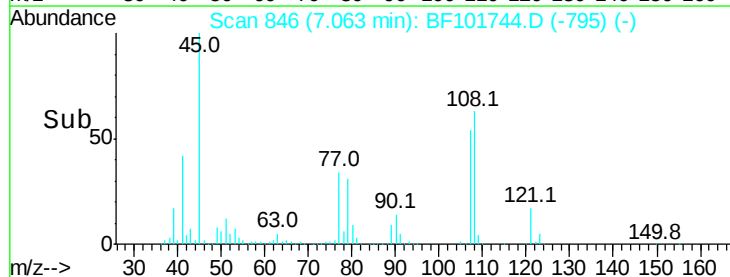
79 31.4 0.0 29.6#

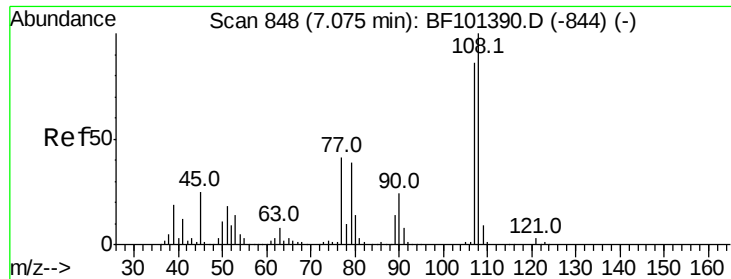


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

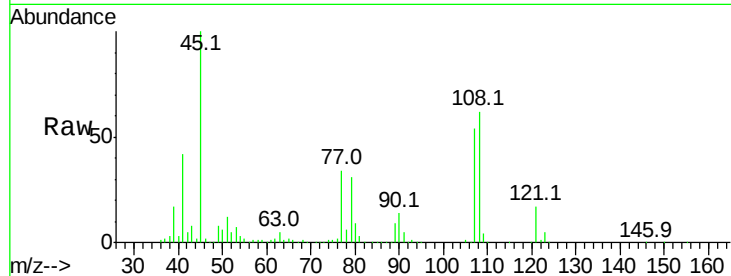




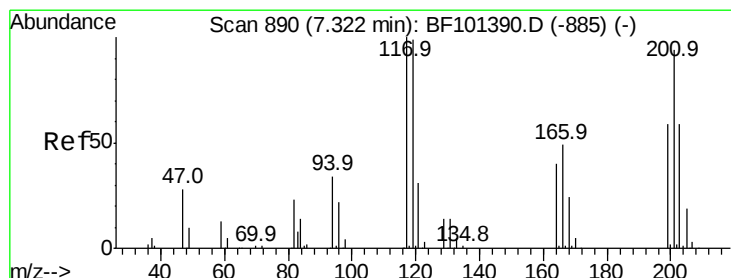
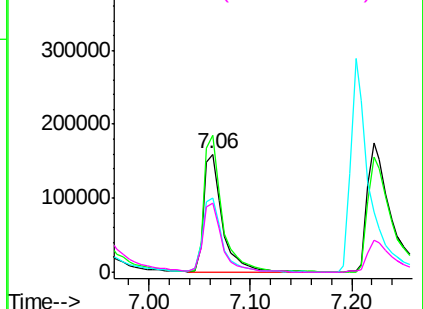
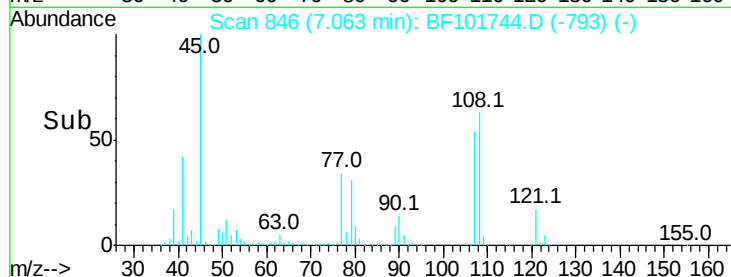
#17  
2-Methylphenol  
Concen: 22.759 ng  
RT: 7.06 min Scan# 846  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:107 Resp: 199609  
Ion Ratio Lower Upper  
107 100  
108 115.6 91.7 137.5  
77 63.2 33.8 50.8#  
79 58.1 33.8 50.8#

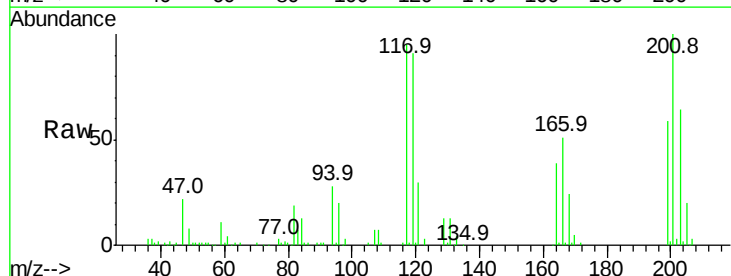


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

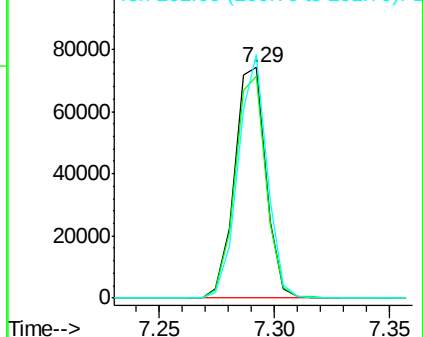
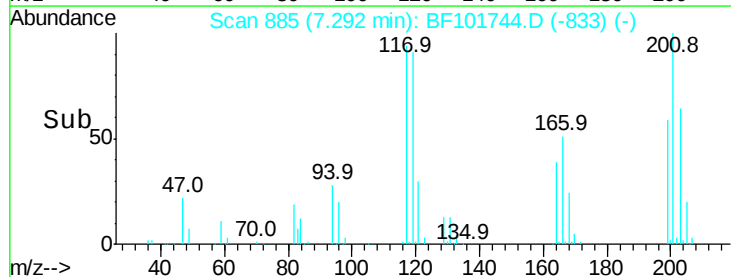


#18  
Hexachloroethane  
Concen: 18.396 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:117 Resp: 70284  
Ion Ratio Lower Upper  
117 100  
119 96.3 75.8 113.8  
201 105.6 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

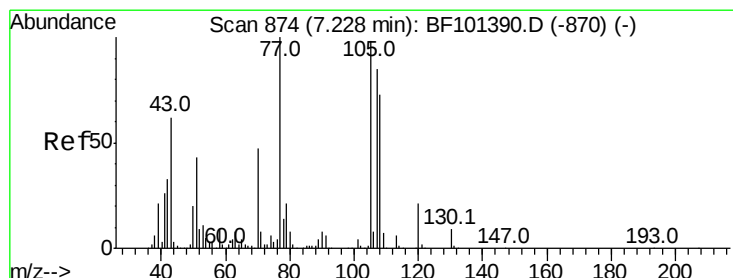
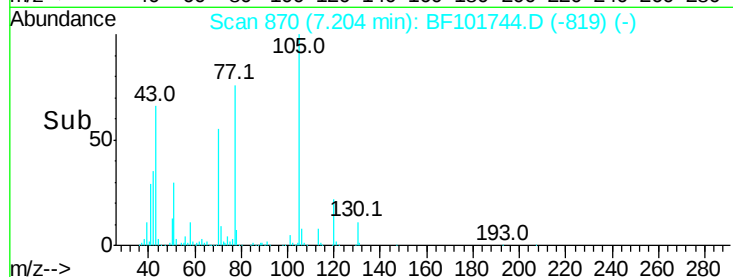
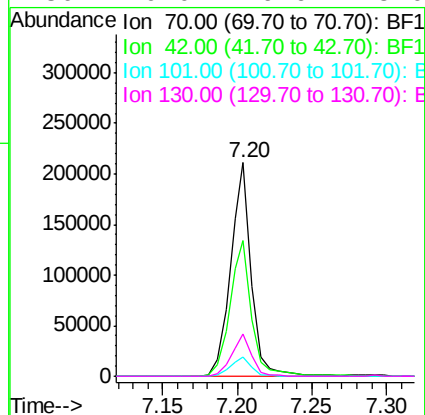
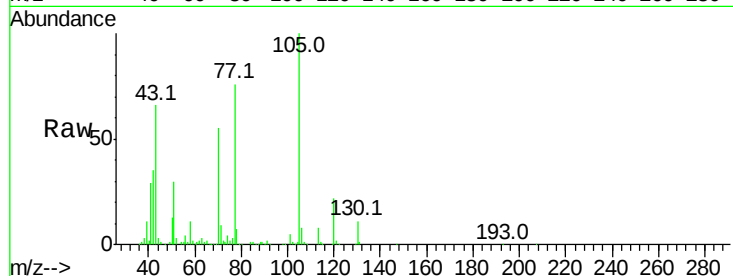




#19  
n-Nitroso-di-n-propylamine  
Concen: 27.745 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

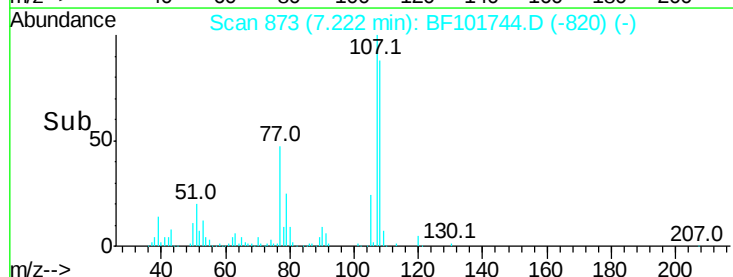
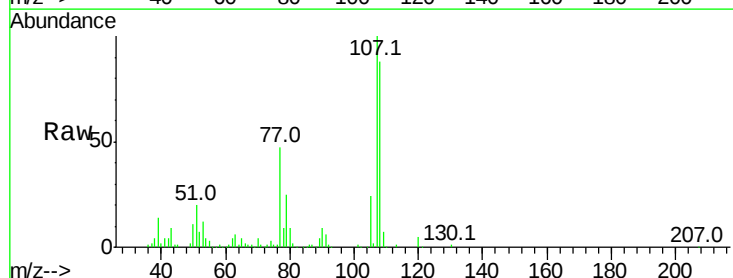
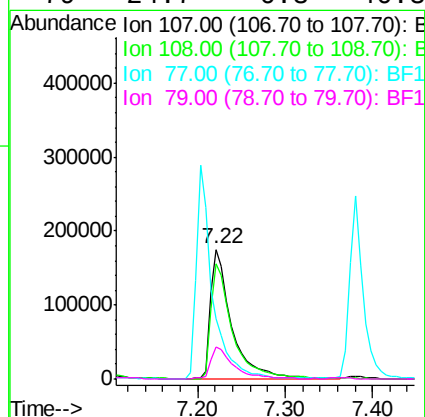
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

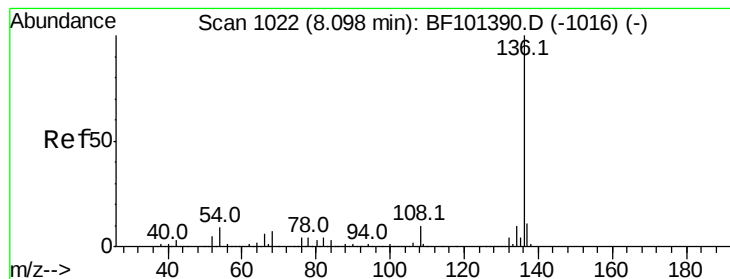
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 205536 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 63.7  | 47.5  | 71.3   |
| 101      | 9.1   | 7.4   | 11.2   |
| 130      | 20.0  | 16.6  | 25.0   |



#20  
3+4-Methylphenols  
Concen: 32.000 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 297408 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.4  | 68.2  | 108.2  |
| 77       | 46.8  | 26.7  | 66.7   |
| 79       | 24.7  | 6.3   | 46.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

Tot Ion:136 Resp: 487927

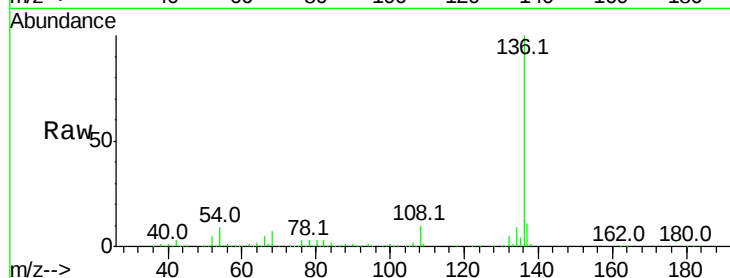
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.2 6.6 9.8

68 7.1 5.0 7.4

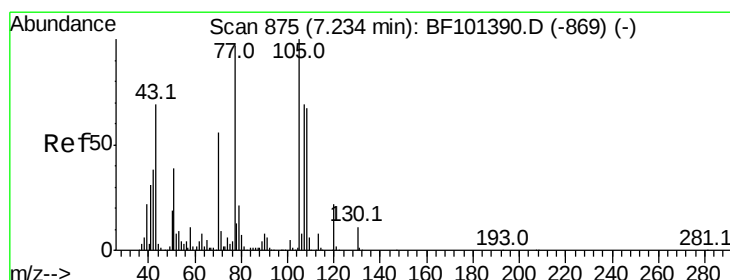
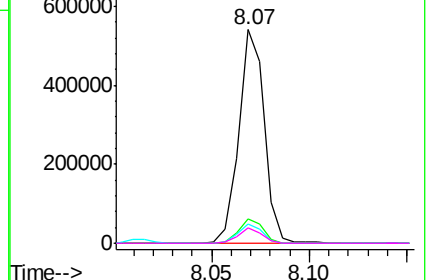
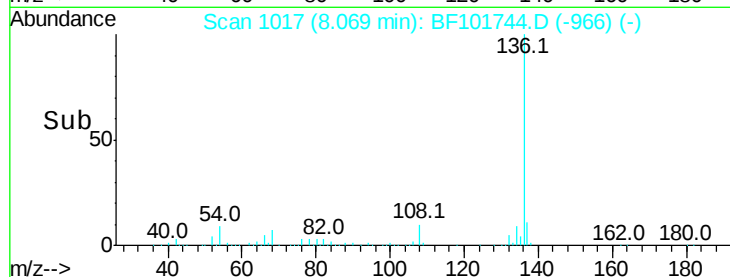


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.894 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Tgt Ion:105 Resp: 388491

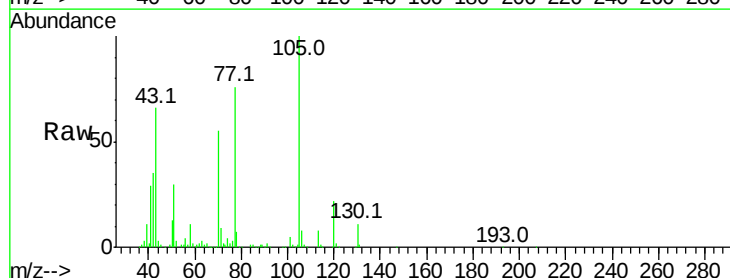
Ion Ratio Lower Upper

105 100

71 8.9 4.4 6.6#

51 29.7 22.3 33.5

120 21.6 16.9 25.3

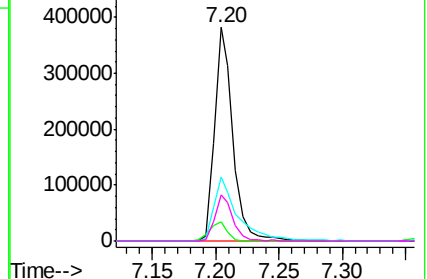
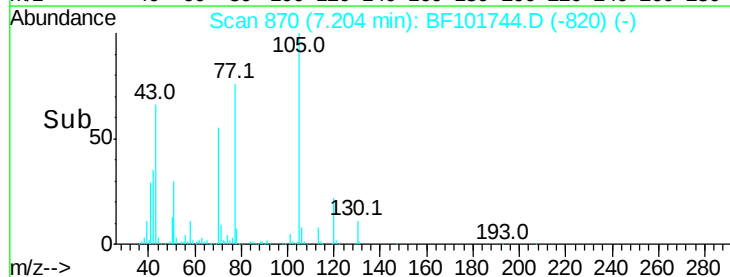


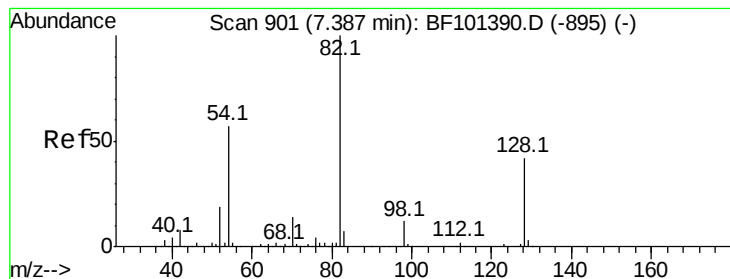
Abundance Ion 105.00 (104.70 to 105.70): E

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: 66.516 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

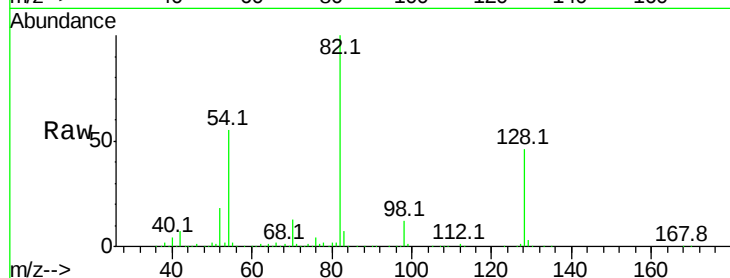
Tot Ion: 82 Resp: 583036

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

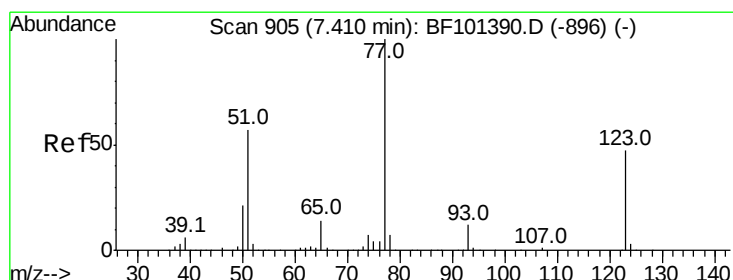
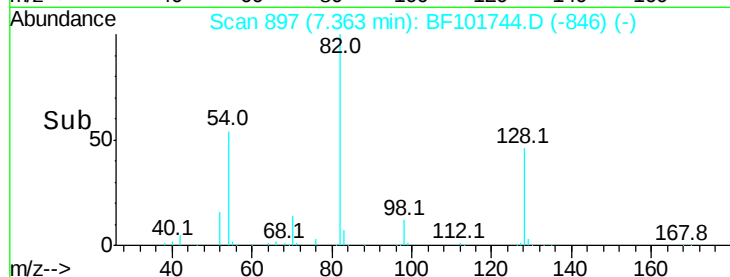
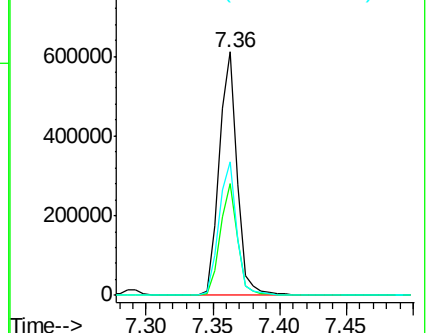
54 54.8 41.4 62.2



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: 27.616 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

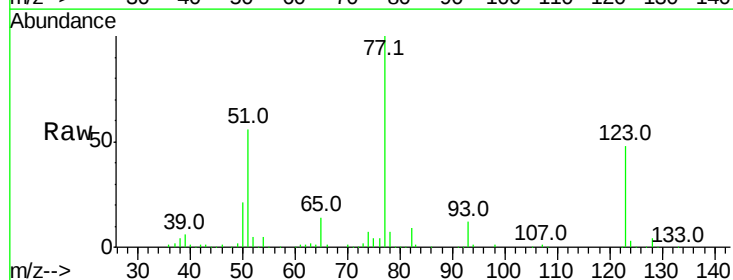
Tgt Ion: 77 Resp: 267900

Ion Ratio Lower Upper

77 100

123 47.8 37.9 56.9

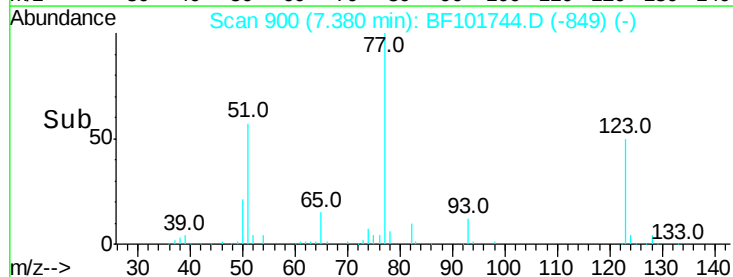
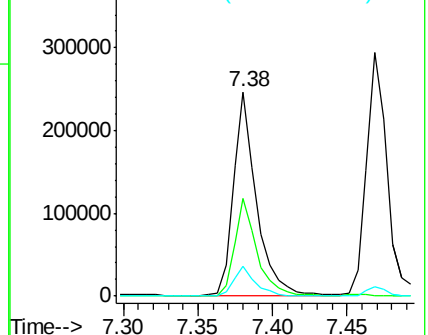
65 14.3 11.0 16.4

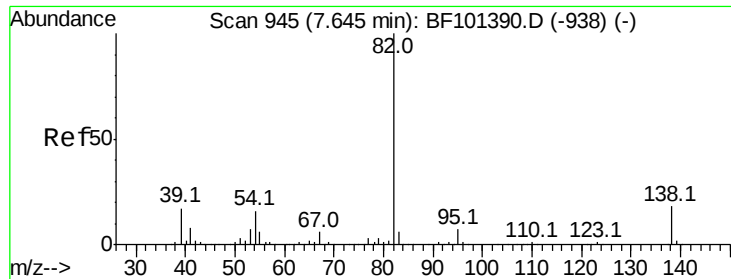


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 31.295 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

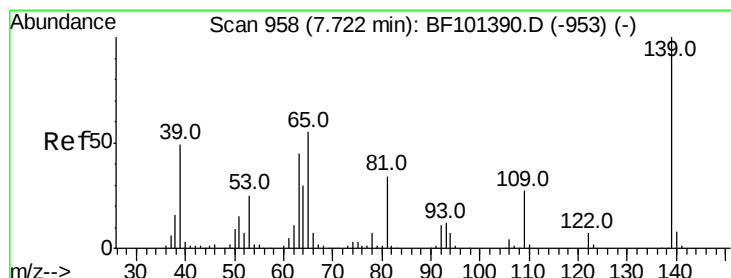
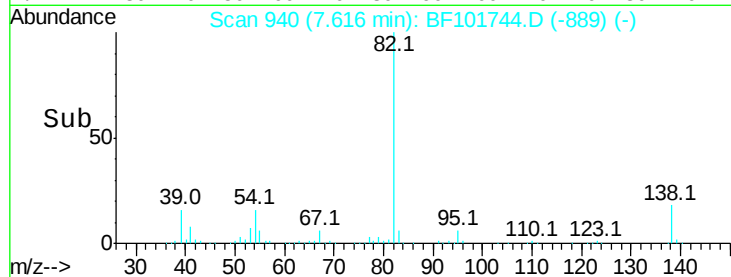
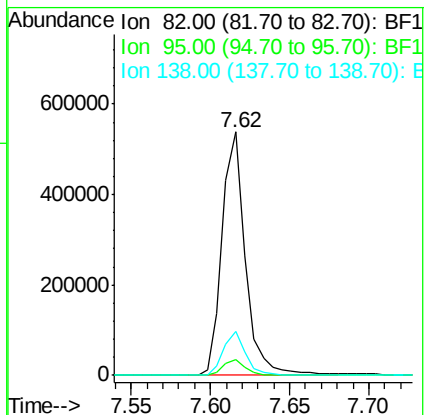
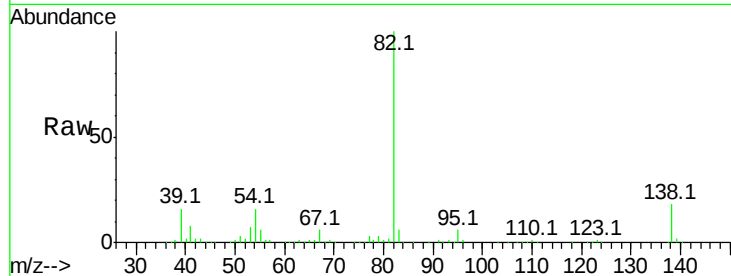
Tot Ion: 82 Resp: 550287

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 18.2 14.9 22.3



#26

2-Nitrophenol

Concen: 27.464 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

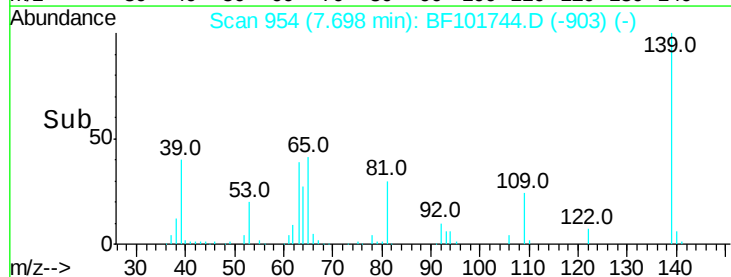
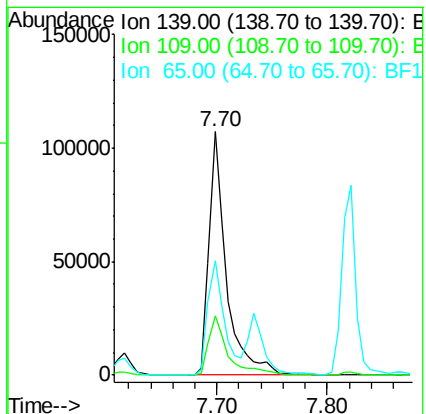
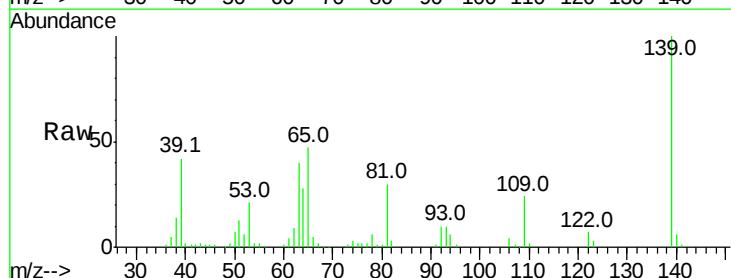
Tgt Ion:139 Resp: 114463

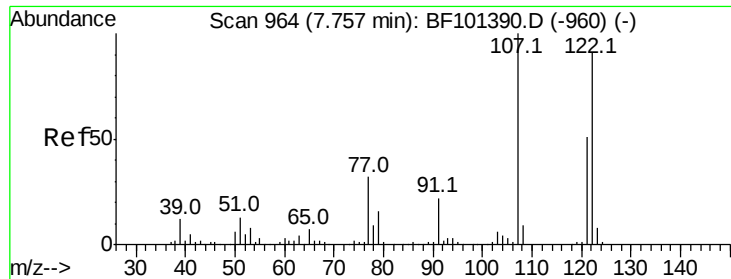
Ion Ratio Lower Upper

139 100

109 24.4 22.7 34.1

65 46.9 40.5 60.7

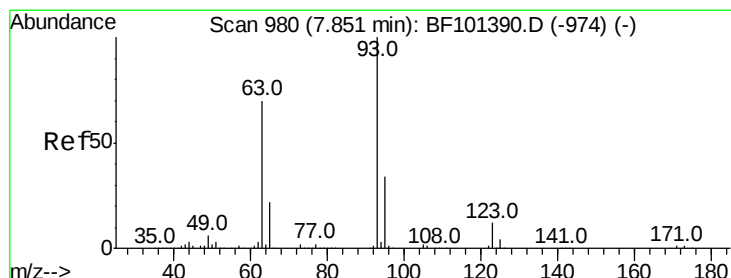
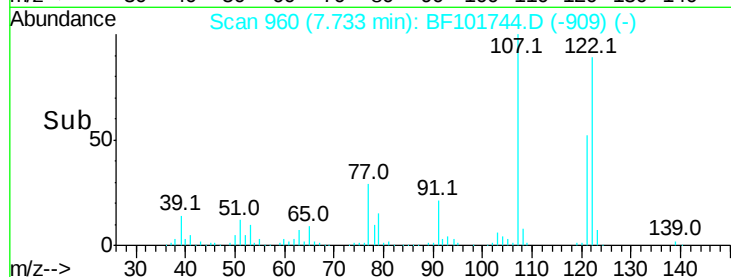
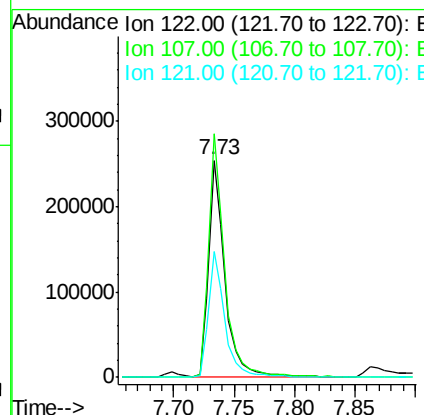
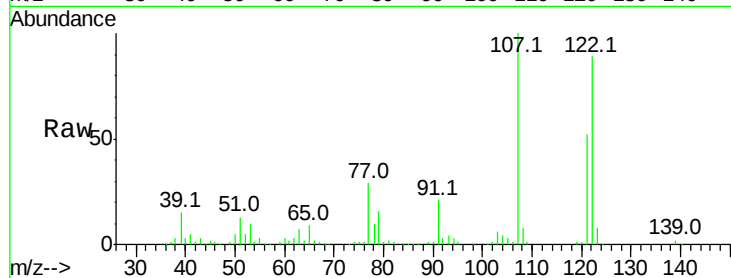




#27  
 2,4-Dimethylphenol  
 Concen: 33.418 ng  
 RT: 7.73 min Scan# 960  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

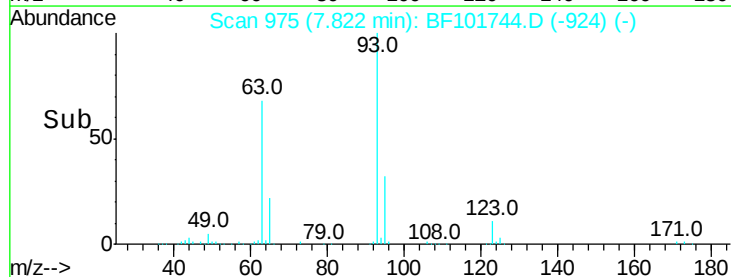
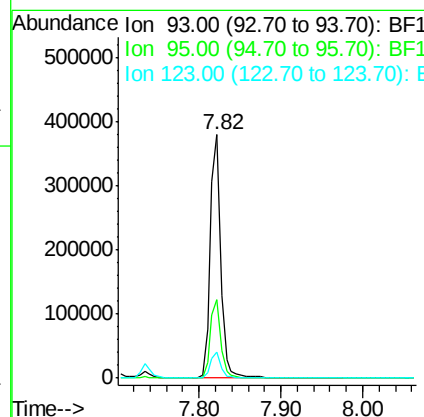
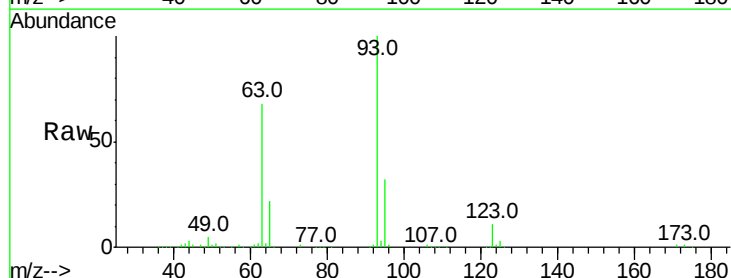
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

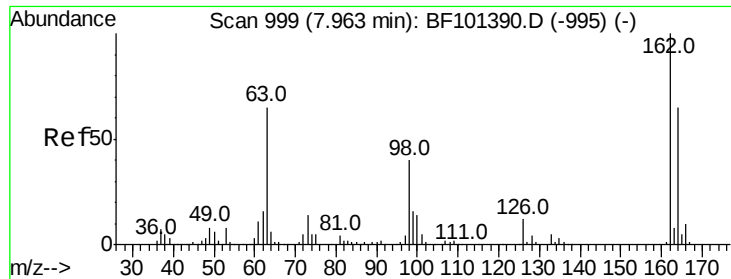
Tot Ion:122 Resp: 236613  
 Ion Ratio Lower Upper  
 122 100  
 107 112.2 91.2 136.8  
 121 58.0 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 30.493 ng  
 RT: 7.82 min Scan# 975  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Tgt Ion: 93 Resp: 340594  
 Ion Ratio Lower Upper  
 93 100  
 95 32.4 26.3 39.5  
 123 10.7 9.8 14.6

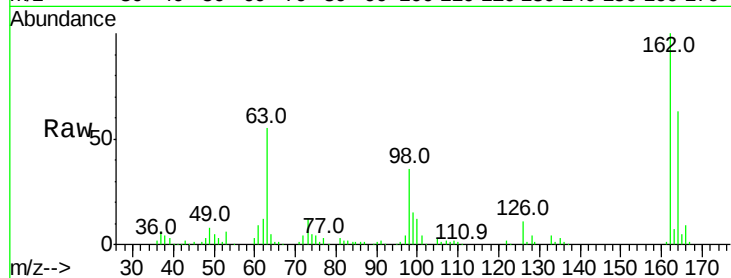




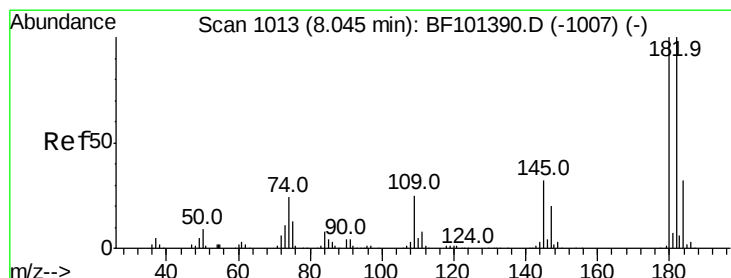
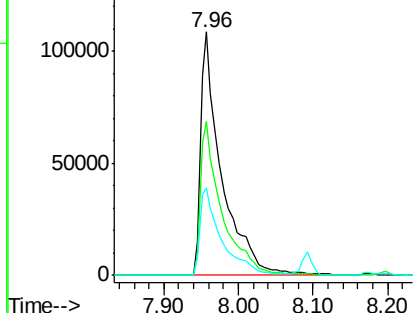
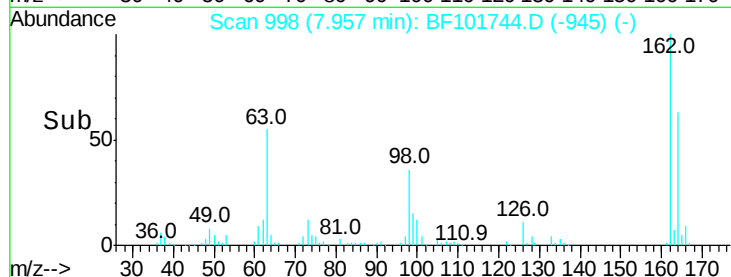
#29  
 2,4-Dichlorophenol  
 Concen: 30.464 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 42.7  | 82.7  |
| 98      | 35.7  | 18.1  | 58.1  |

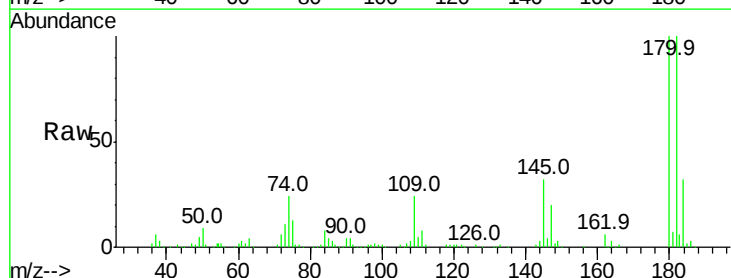


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

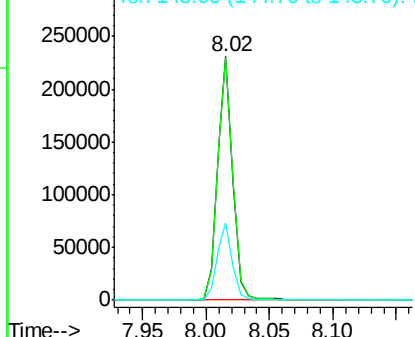
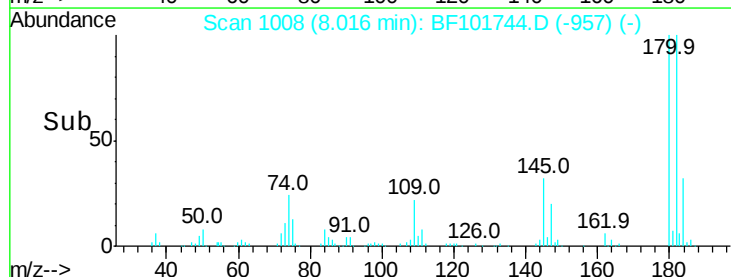


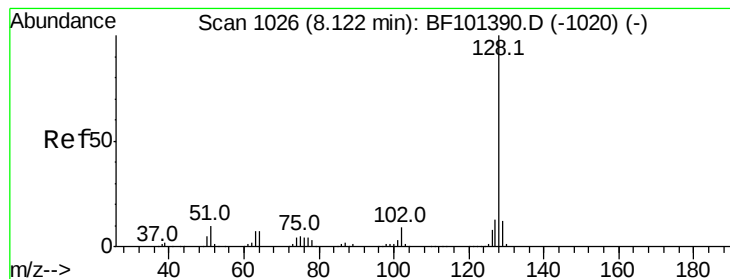
#30  
 1,2,4-Trichlorobenzene  
 Concen: 26.372 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.6  | 76.8  | 115.2 |
| 145     | 31.5  | 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: 28.049 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

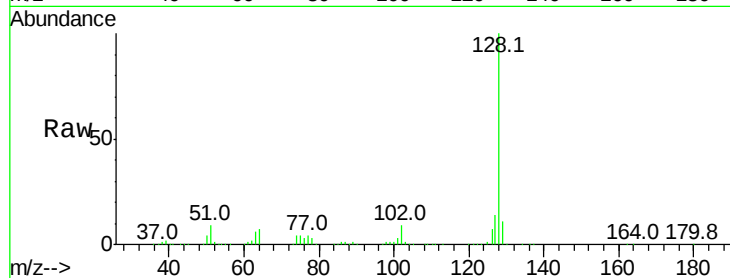
Tot Ion:128 Resp: 688987

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

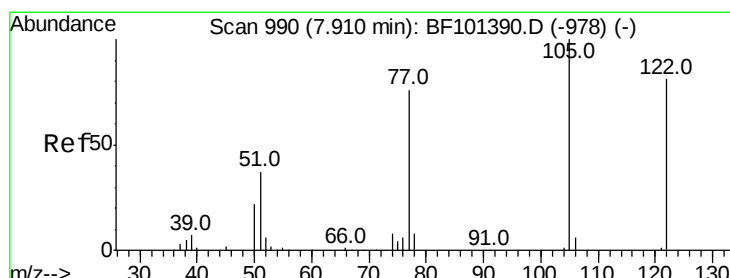
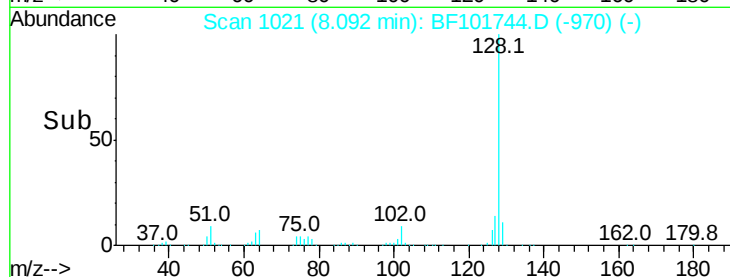
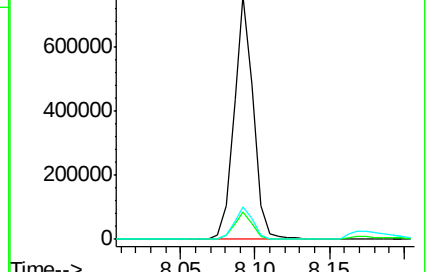
127 13.5 10.9 16.3



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: 9.592 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.03 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

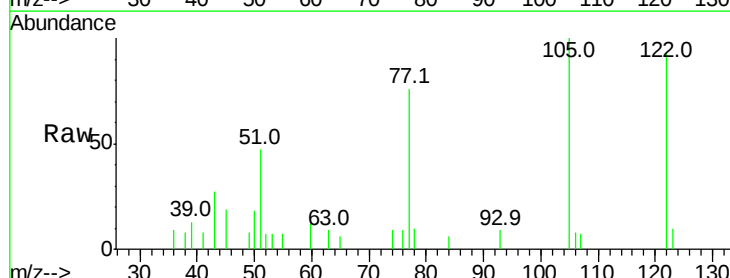
Tgt Ion:122 Resp: 9330

Ion Ratio Lower Upper

122 100

105 107.1 101.1 141.1

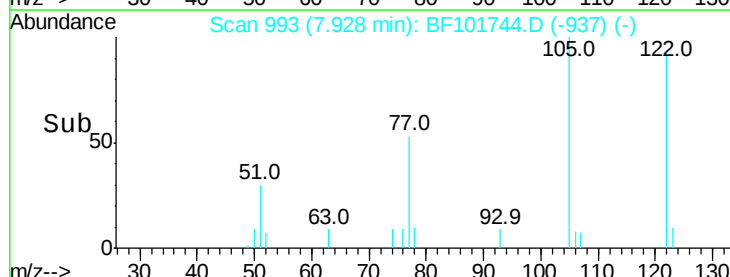
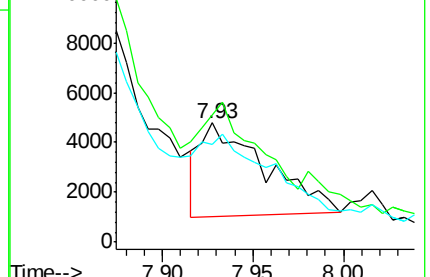
77 81.6 70.7 110.7

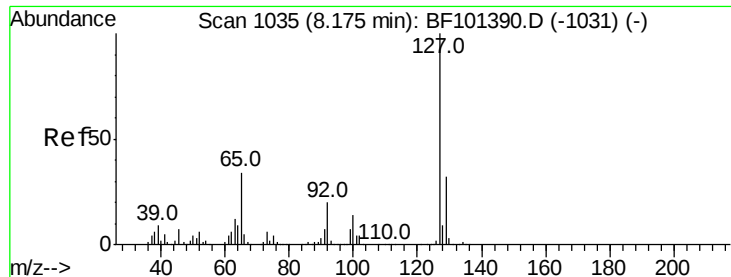


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

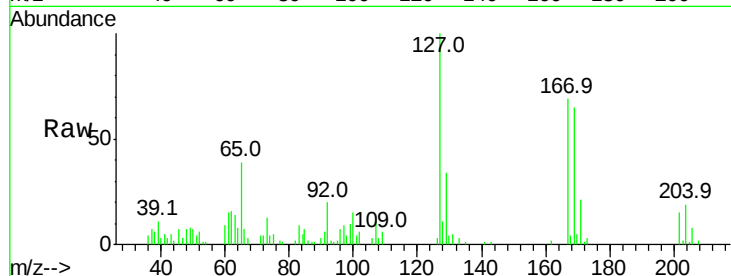




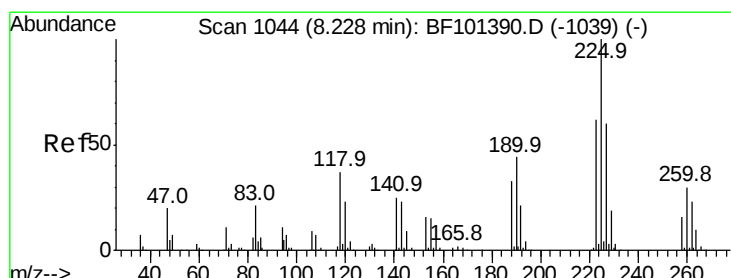
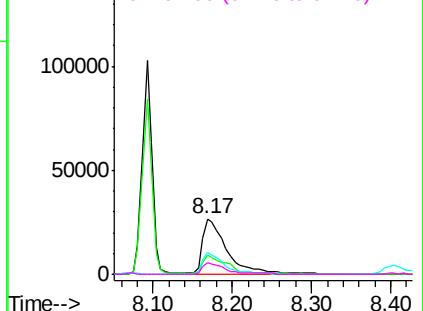
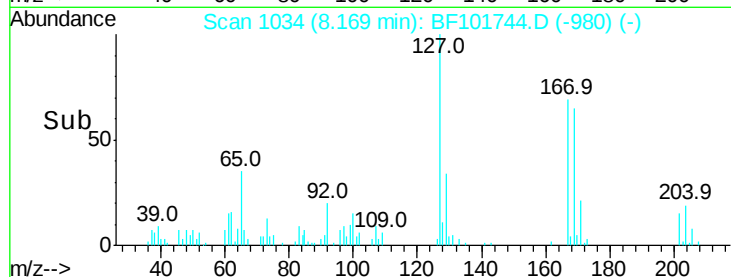
#33  
 4-Chloroaniline  
 Concen: 5.380 ng  
 RT: 8.17 min Scan# 1034  
 Delta R.T. 0.02 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 57440 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 34.0  | 25.9  | 38.9  |
| 65       | 39.2  | 25.0  | 37.4  |
| 92       | 19.9  | 15.2  | 22.8  |

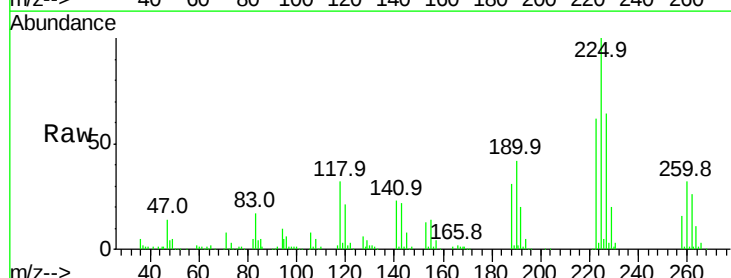


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

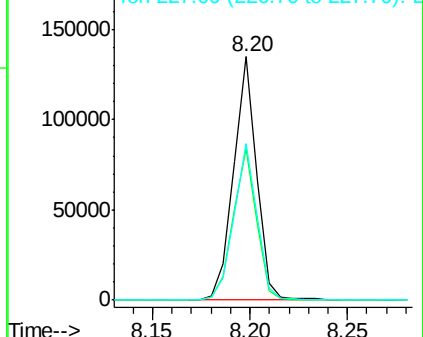
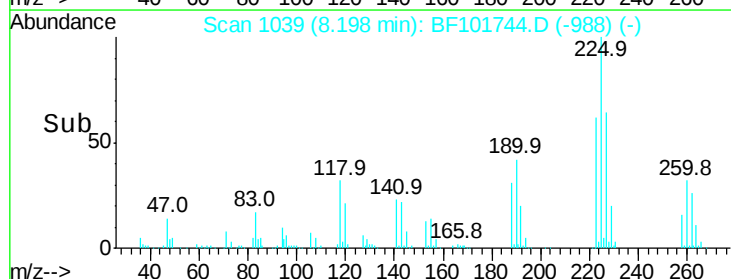


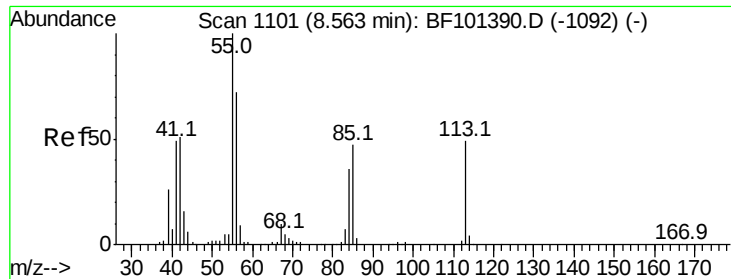
#34  
 Hexachlorobutadiene  
 Concen: 25.937 ng  
 RT: 8.20 min Scan# 1039  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 110739 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.4  | 50.6  | 76.0   |
| 227      | 64.1  | 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

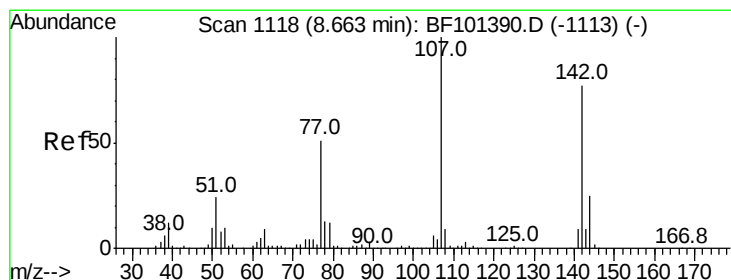
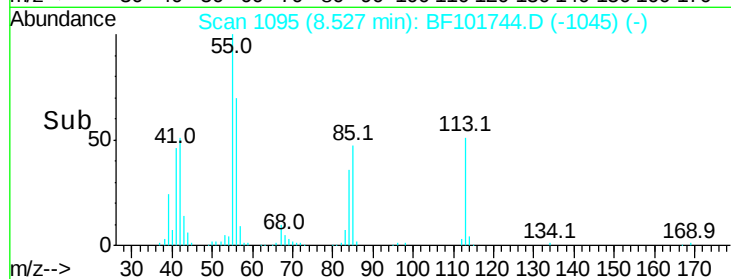
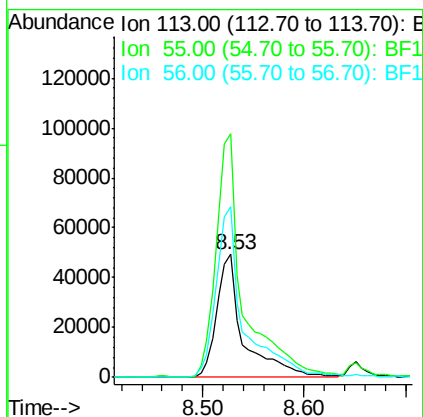
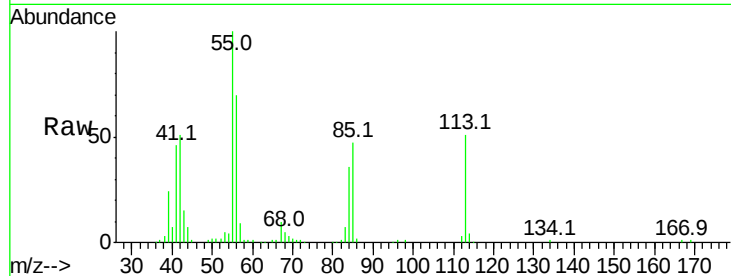




#35  
 Caprolactam  
 Concen: 37.381 ng  
 RT: 8.53 min Scan# 1095  
 Delta R.T. -0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

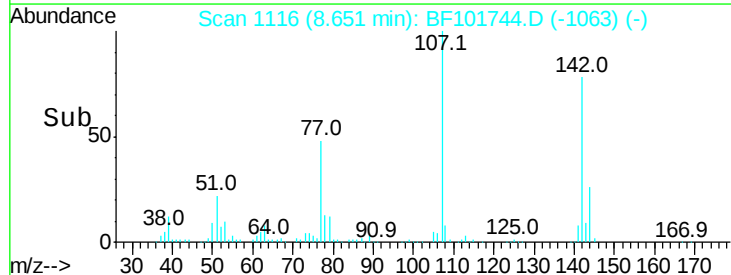
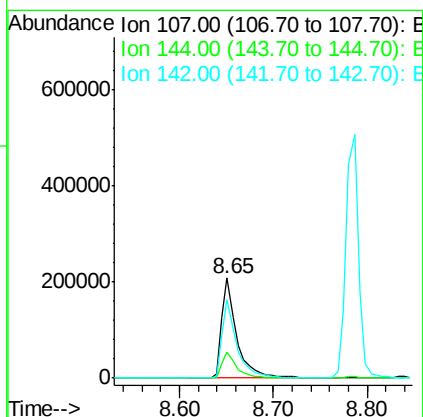
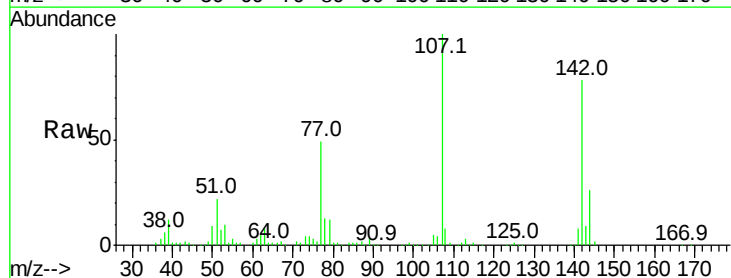
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

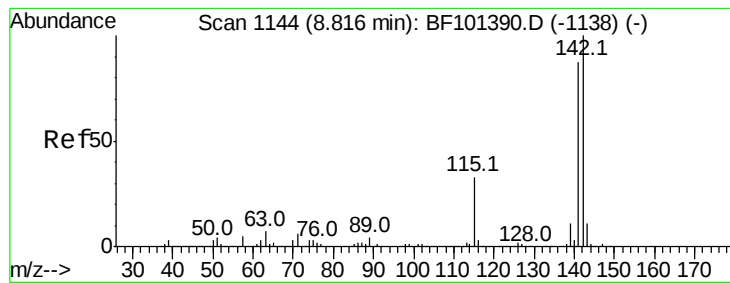
Tot Ion:113 Resp: 90795  
 Ion Ratio Lower Upper  
 113 100  
 55 197.6 163.3 203.3  
 56 138.2 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 30.140 ng  
 RT: 8.65 min Scan# 1116  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Tgt Ion:107 Resp: 231731  
 Ion Ratio Lower Upper  
 107 100  
 144 26.0 20.5 30.7  
 142 78.2 62.0 93.0

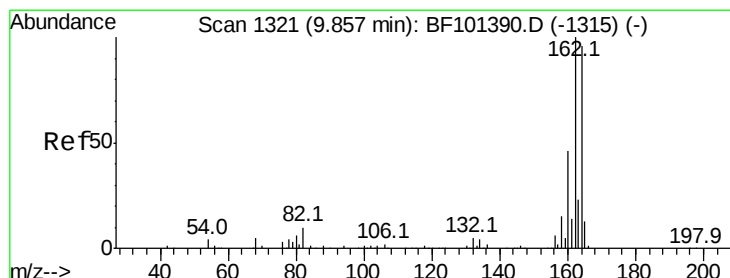
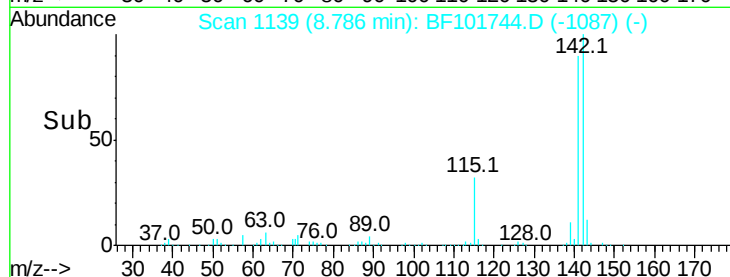
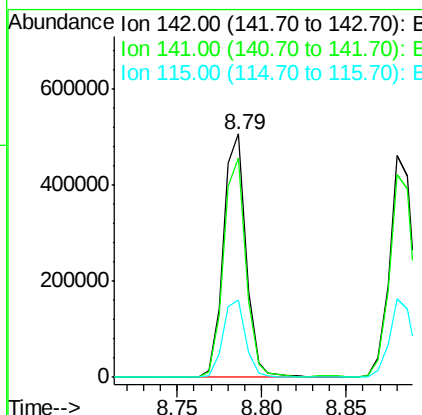
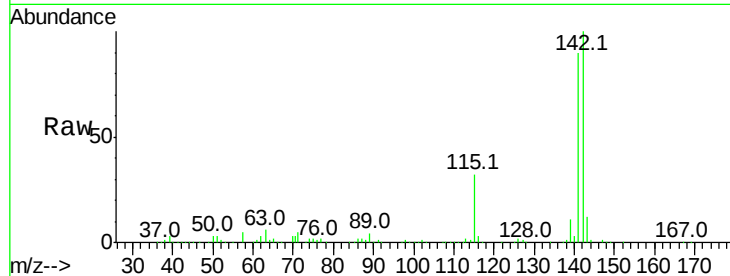




#37  
 2-Methylnaphthalene  
 Concen: 29.416 ng  
 RT: 8.79 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

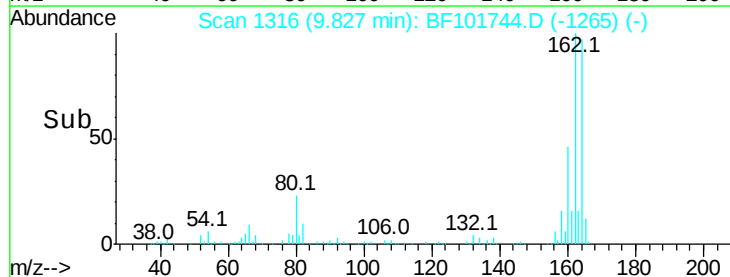
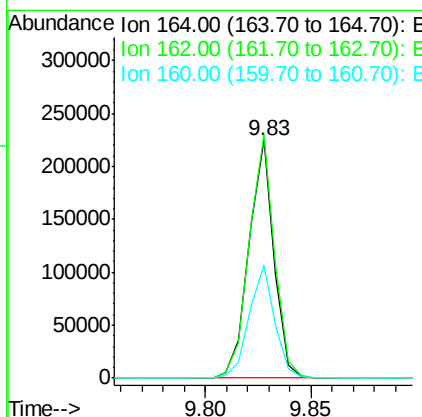
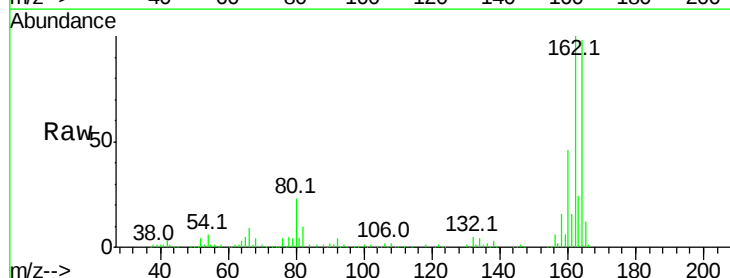
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

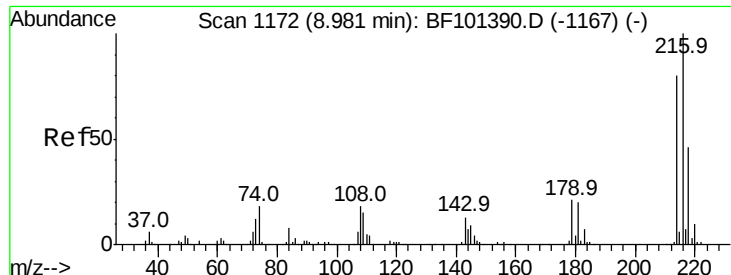
Tot Ion:142 Resp: 470770  
 Ion Ratio Lower Upper  
 142 100  
 141 89.9 70.8 106.2  
 115 31.7 26.1 39.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Tgt Ion:164 Resp: 185041  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 86.1 129.1  
 160 47.2 38.3 57.5

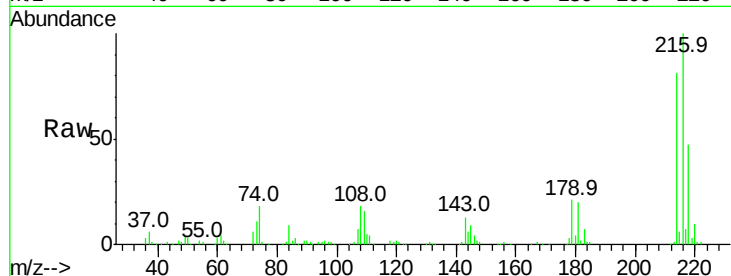




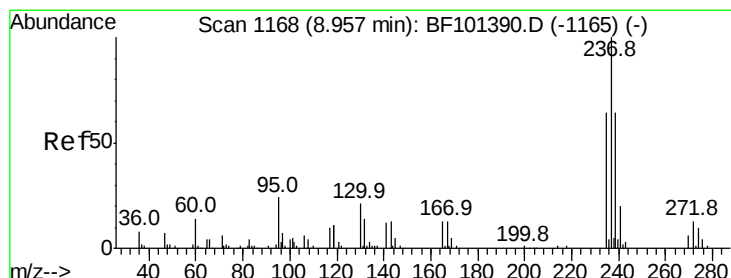
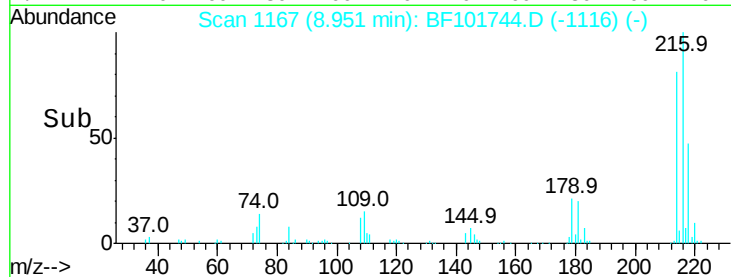
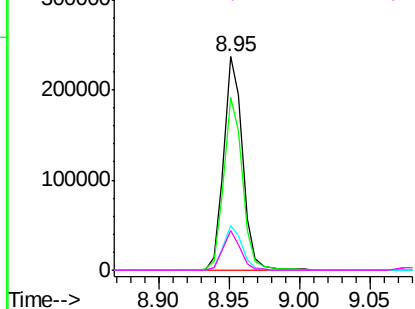
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 35.488 ng  
 RT: 8.95 min Scan# 1167  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 221712 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.9  | 63.0  | 94.4   |
| 179       | 20.7  | 18.1  | 27.1   |
| 108       | 17.0  | 17.2  | 25.8#  |

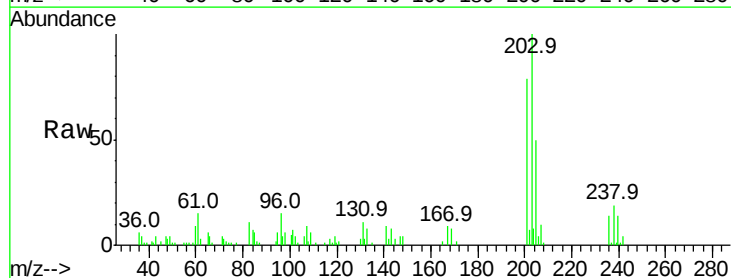


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

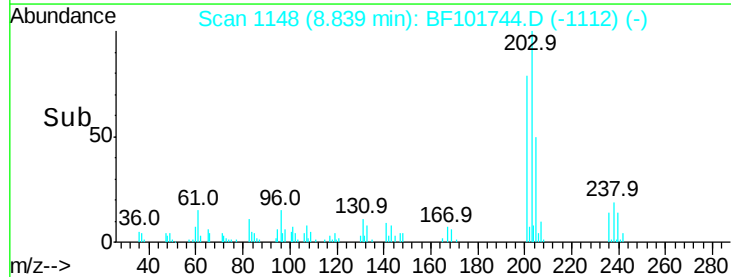
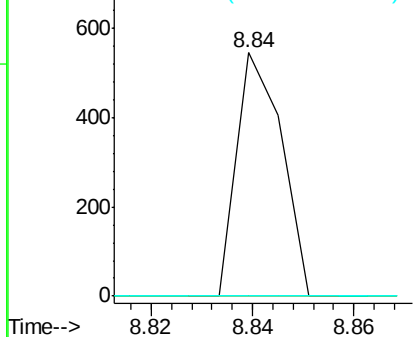


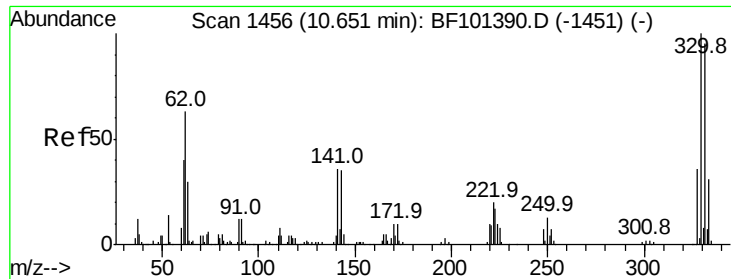
#40  
 Hexachlorocyclopentadiene  
 Concen: 11.670 ng  
 RT: 8.84 min Scan# 1148  
 Delta R.T. -0.09 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 335   |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 0.0   | 44.8  | 84.8# |
| 272       | 0.0   | 0.0   | 33.3  |



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

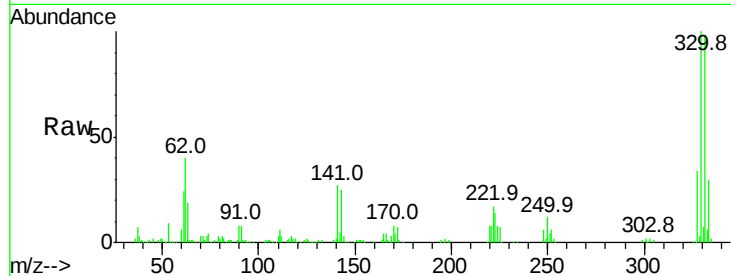




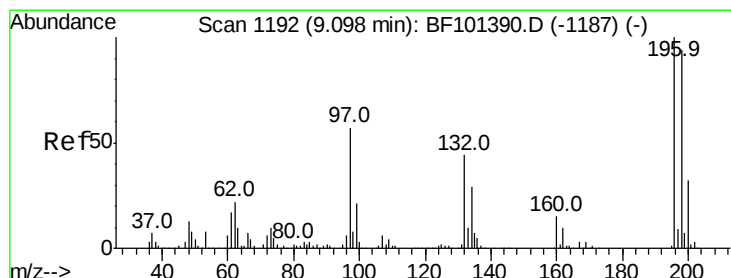
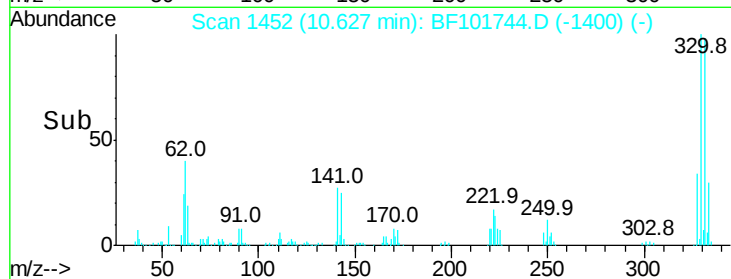
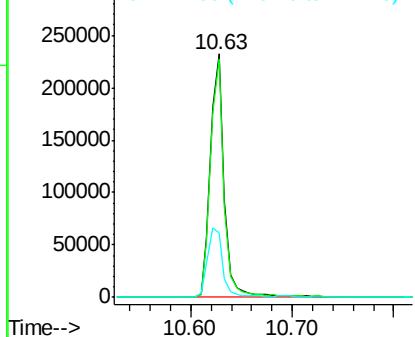
#41  
 2,4,6-Tribromophenol  
 Concen: 124.514 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

Tot Ion:330 Resp: 222011  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.0 115.6  
 141 31.3 29.9 44.9

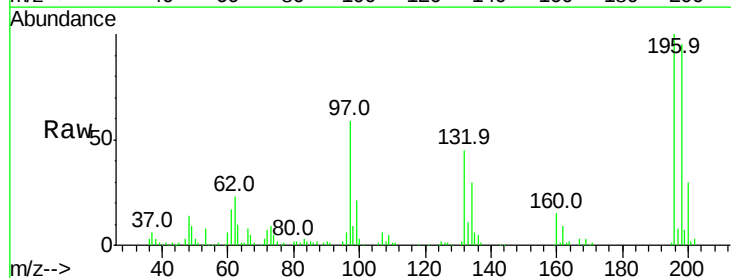


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

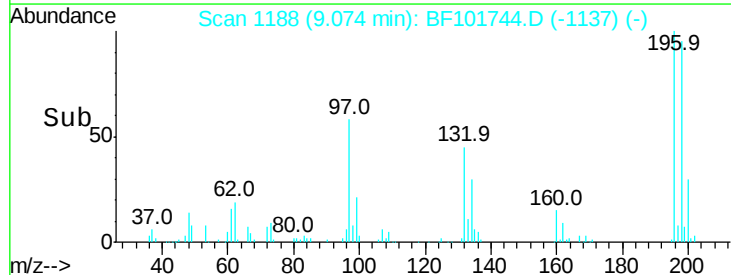
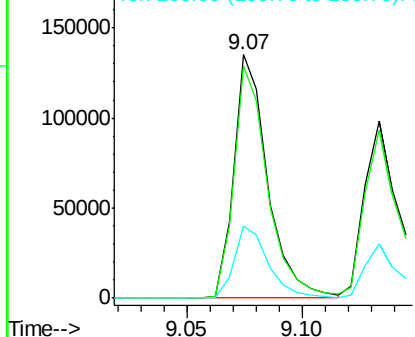


#42  
 2,4,6-Trichlorophenol  
 Concen: 36.640 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Tgt Ion:196 Resp: 137810  
 Ion Ratio Lower Upper  
 196 100  
 198 95.4 75.7 113.5  
 200 29.8 24.5 36.7



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

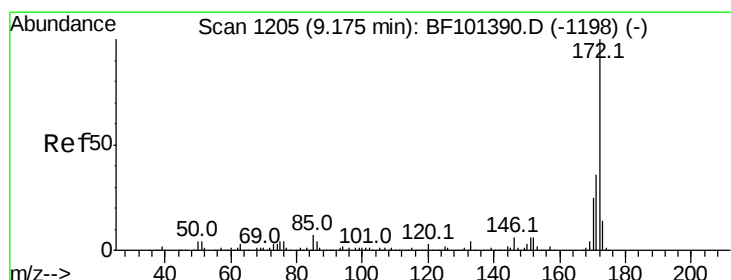
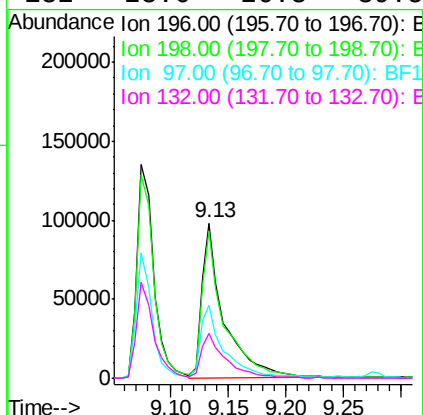
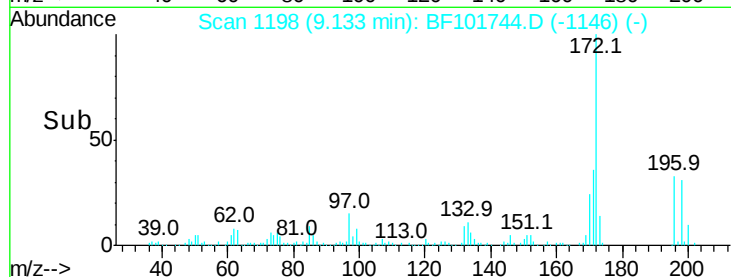
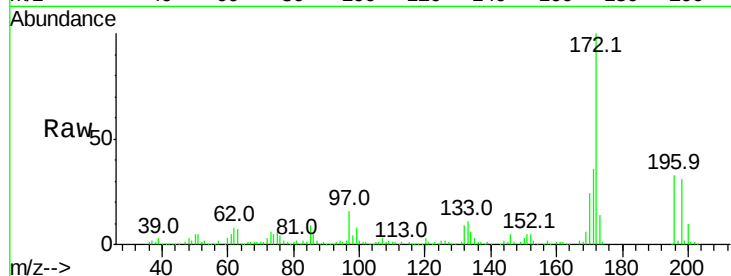




#43  
 2,4,5-Trichlorophenol  
 Concen: 31.939 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

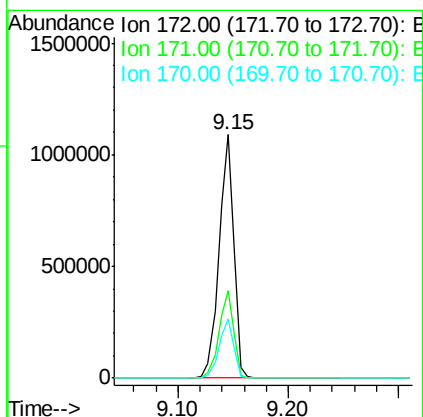
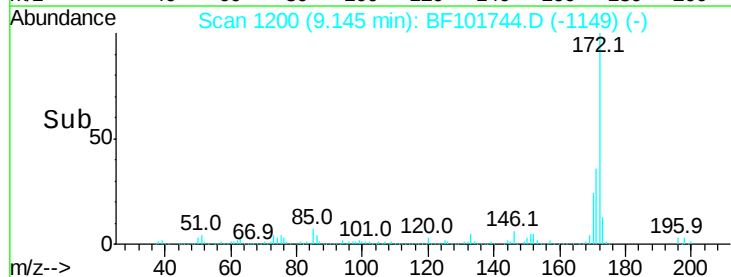
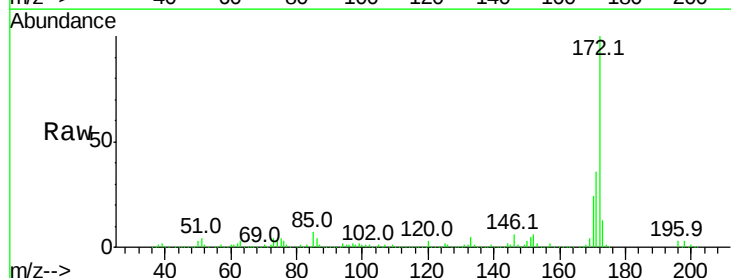
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

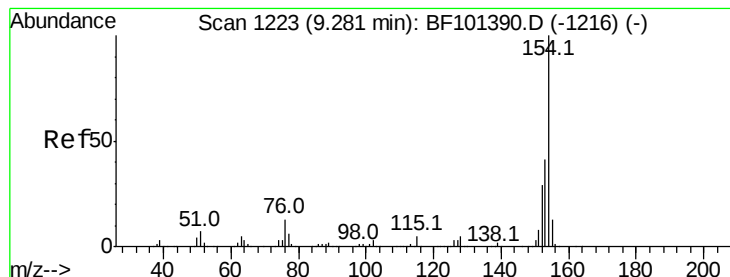
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.2  | 74.6  | 112.0 |
| 97      | 47.1  | 42.9  | 64.3  |
| 132     | 28.6  | 26.3  | 39.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 84.525 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.2  | 19.6  | 29.4  |





#45

1,1'-Biphenyl

Concen: 35.176 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

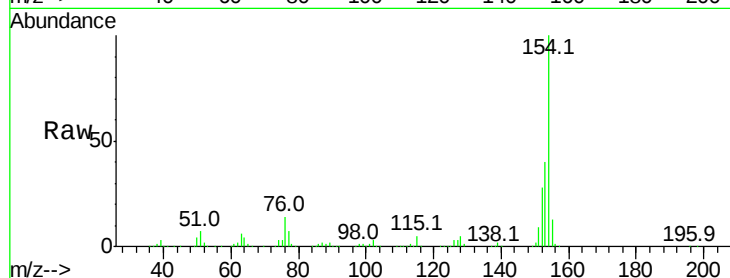
Tot Ion:154 Resp: 577251

Ion Ratio Lower Upper

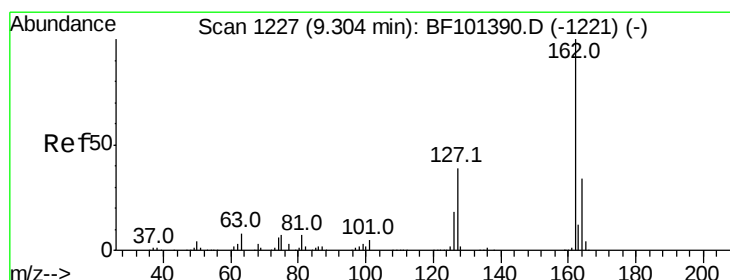
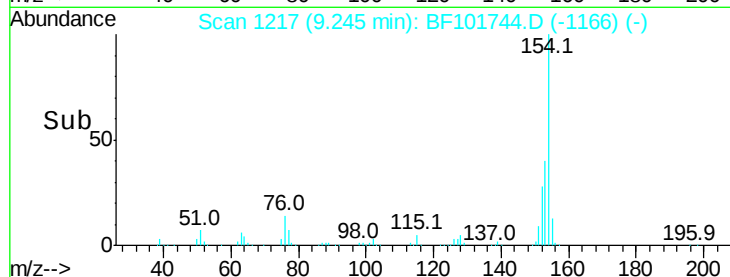
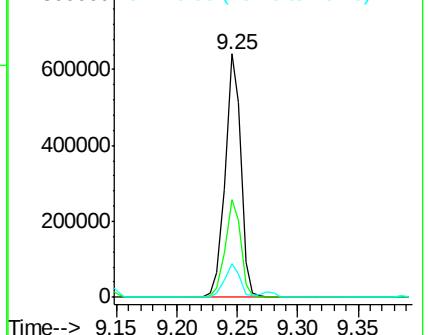
154 100

153 40.3 21.3 61.3

76 14.1 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: 33.528 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

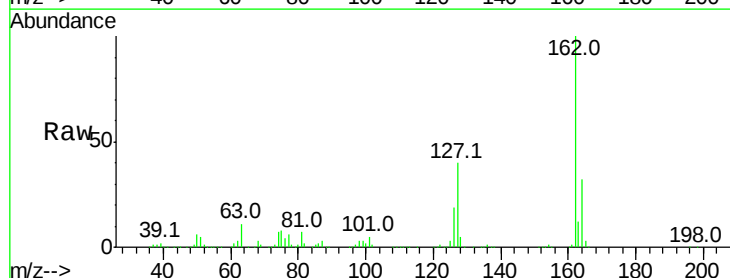
Tgt Ion:162 Resp: 420998

Ion Ratio Lower Upper

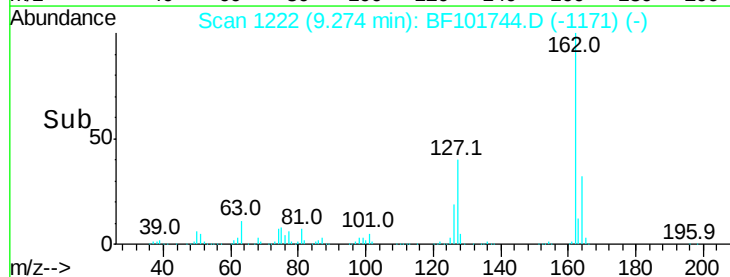
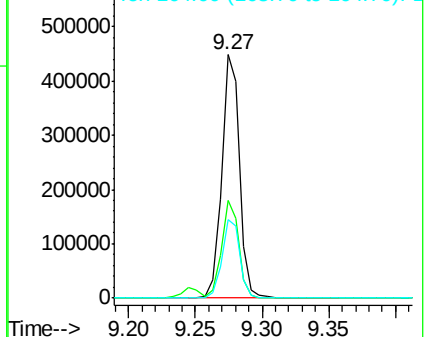
162 100

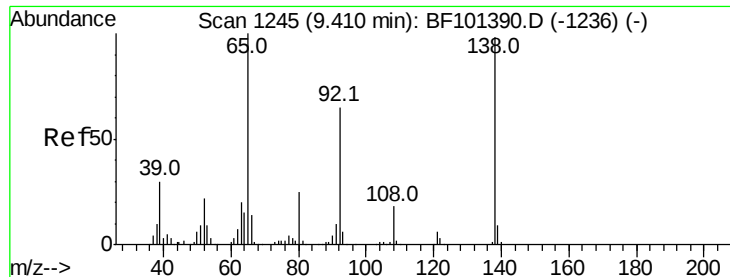
127 40.0 33.9 50.9

164 32.0 26.5 39.7



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





#47

2-Nitroaniline

Concen: 37.737 ng

RT: 9.39 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

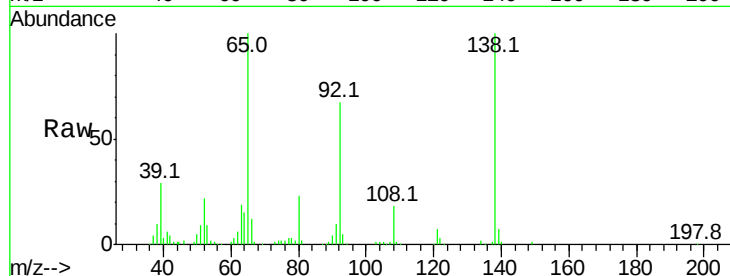
Tot Ion: 65 Resp: 163690

Ion Ratio Lower Upper

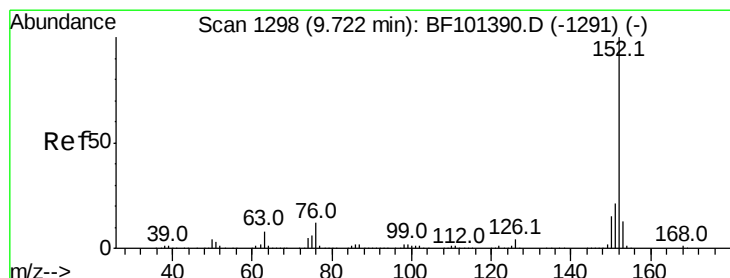
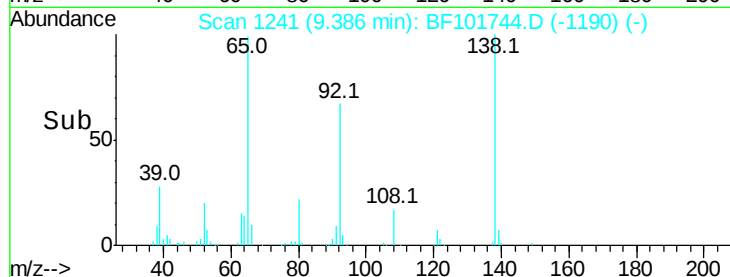
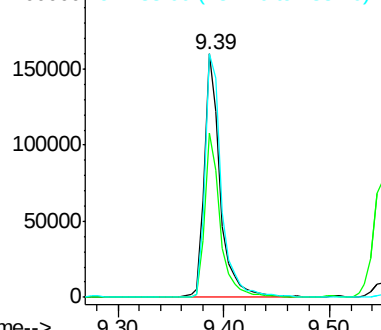
65 100

92 67.4 55.8 83.6

138 100.2 91.2 136.8



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 30.818 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

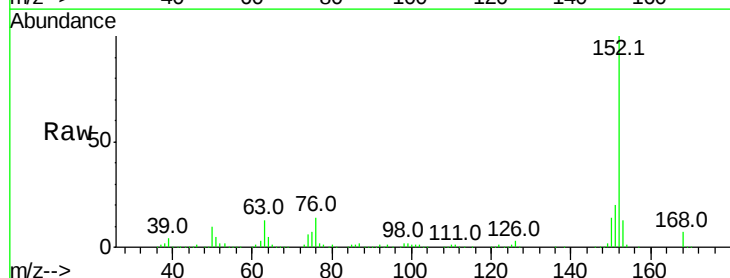
Tgt Ion: 152 Resp: 611200

Ion Ratio Lower Upper

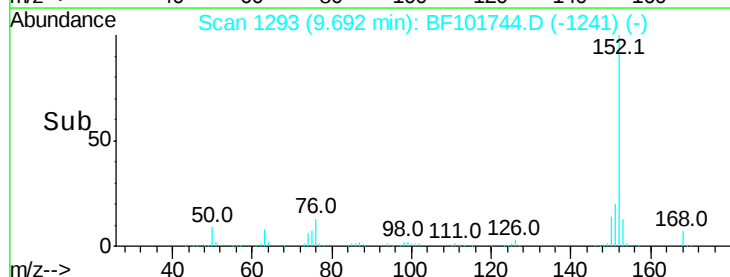
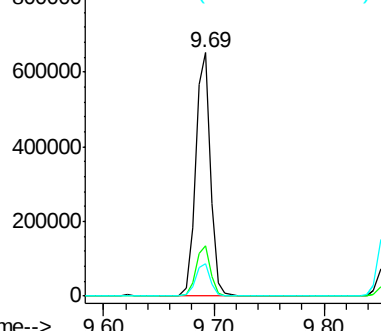
152 100

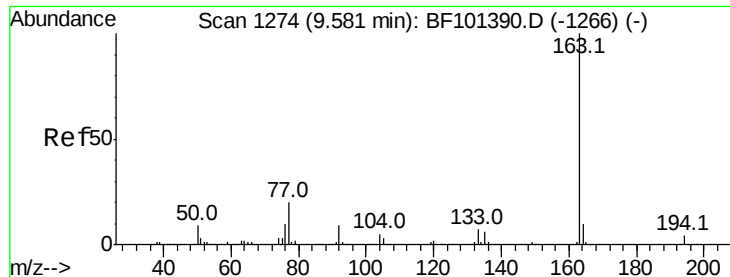
151 20.5 16.3 24.5

153 13.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): BF1  
Ion 151.00 (150.70 to 151.70): BF1  
Ion 153.00 (152.70 to 153.70): BF1

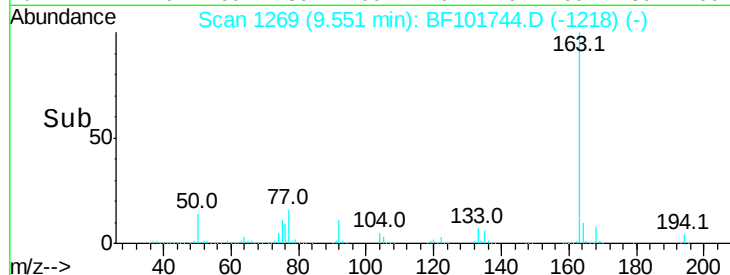
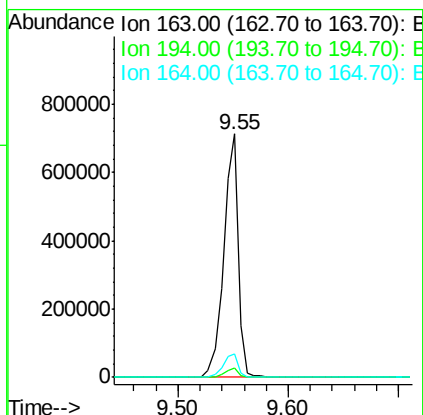
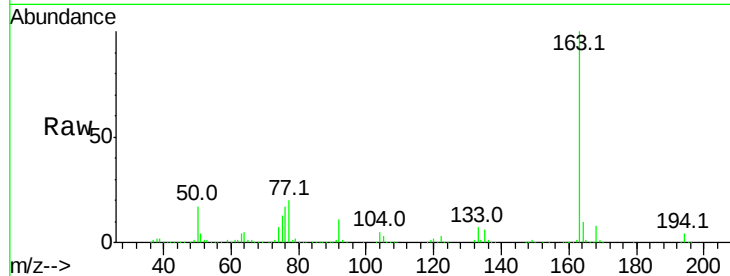




#49  
Dimethylphthalate  
Concen: 43.601 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

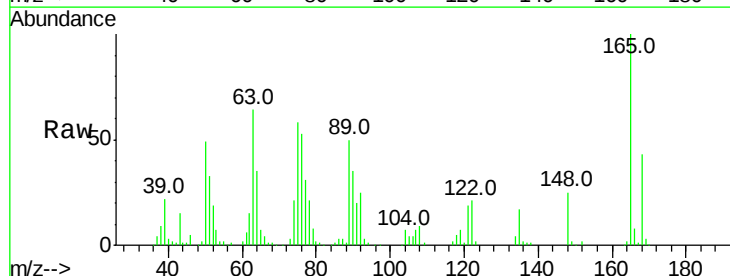
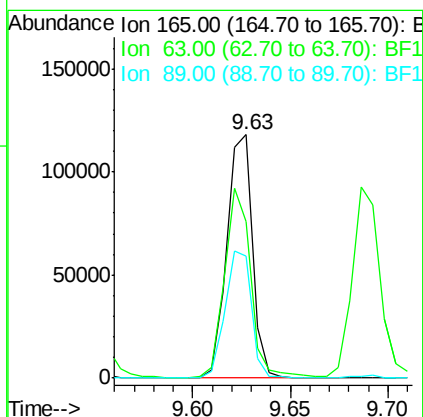
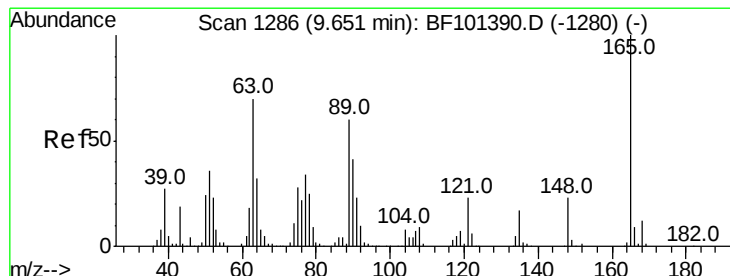
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

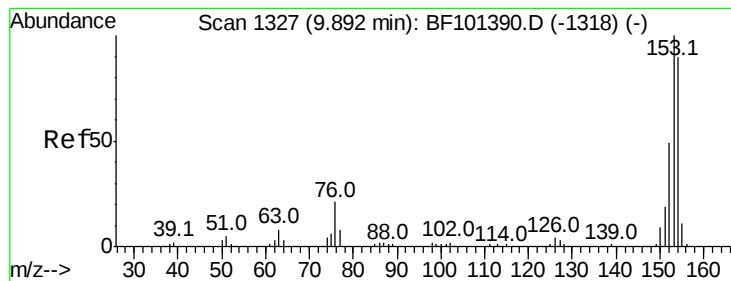
Tot Ion:163 Resp: 648960  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 9.6 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 35.598 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:165 Resp: 107686  
Ion Ratio Lower Upper  
165 100  
63 64.5 44.7 67.1  
89 50.3 44.0 66.0





#51

Acenaphthene

Concen: 31.569 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

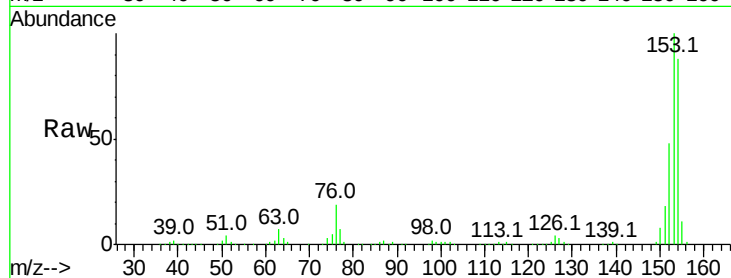
Tot Ion:154 Resp: 376157

Ion Ratio Lower Upper

154 100

153 113.4 91.2 136.8

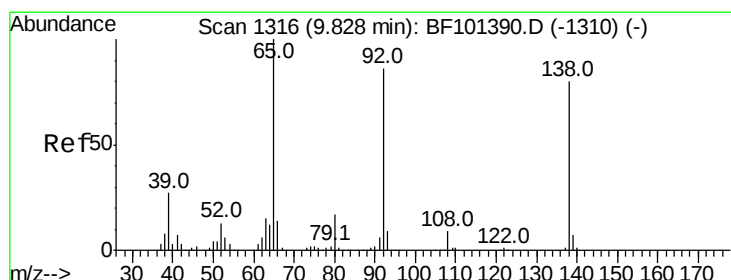
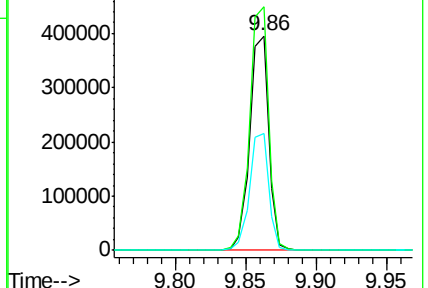
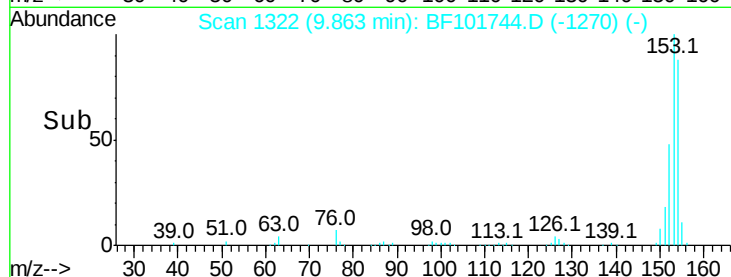
152 54.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 21.579 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

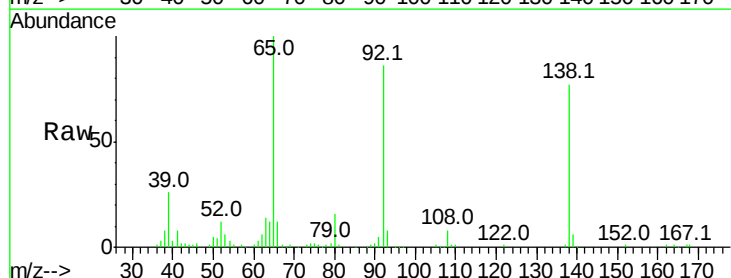
Tgt Ion:138 Resp: 81387

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

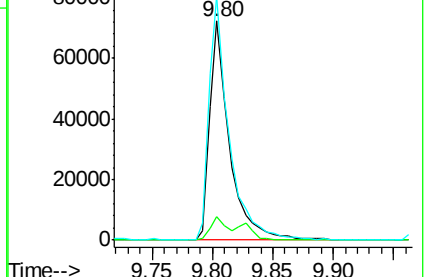
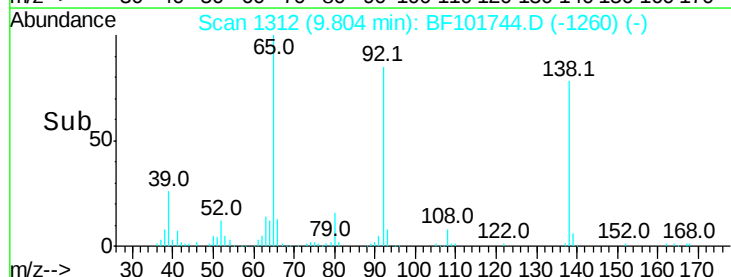
92 111.3 89.4 134.2

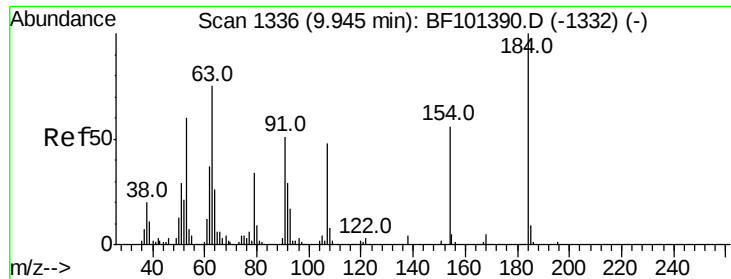


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

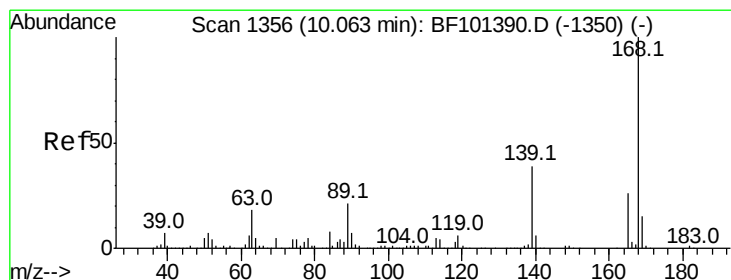
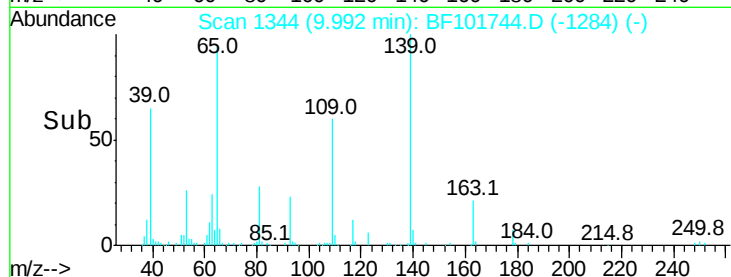
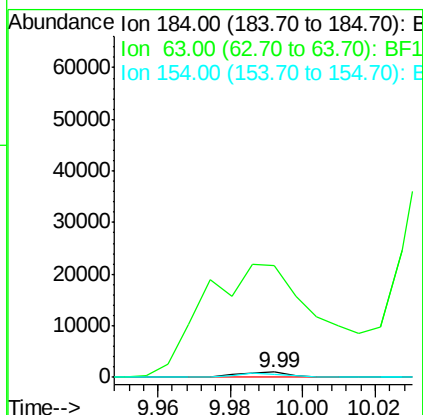
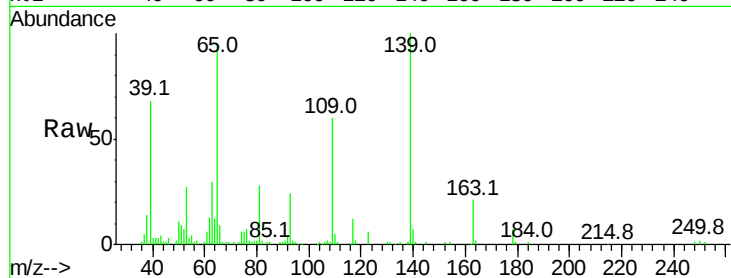




#53  
2,4-Dinitrophenol  
Concen: 11.135 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.05 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

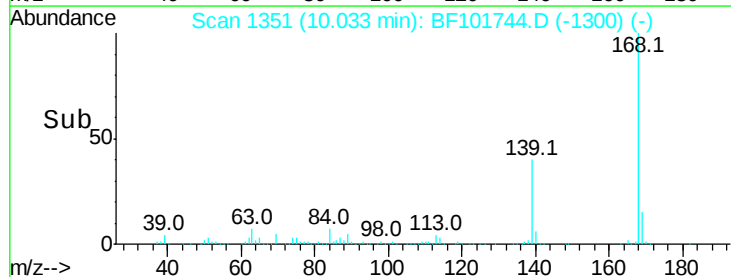
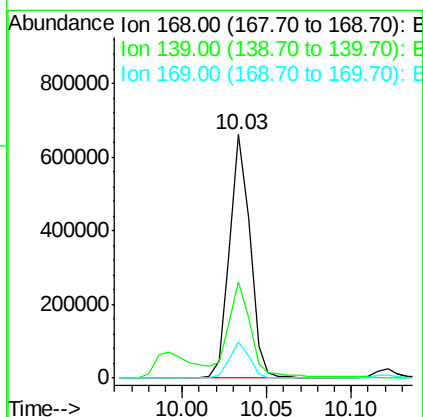
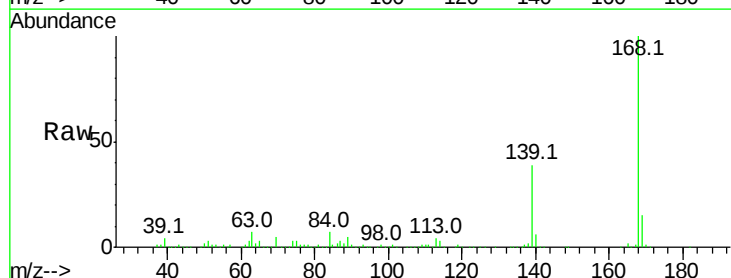
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

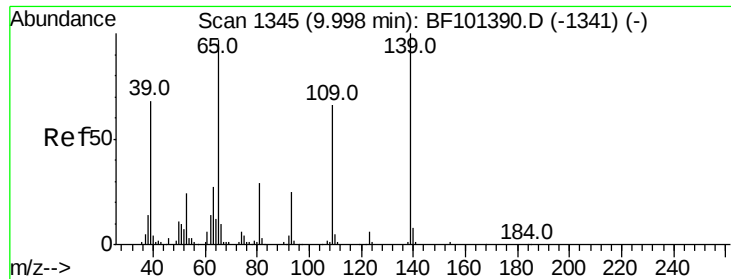
Tot Ion:184 Resp: 985  
Ion Ratio Lower Upper  
184 100  
63 2235.9 54.2 81.2#  
154 65.5 184.0 276.0#



#54  
Dibenzofuran  
Concen: 36.775 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:168 Resp: 556867  
Ion Ratio Lower Upper  
168 100  
139 39.5 30.1 45.1  
169 14.7 10.9 16.3

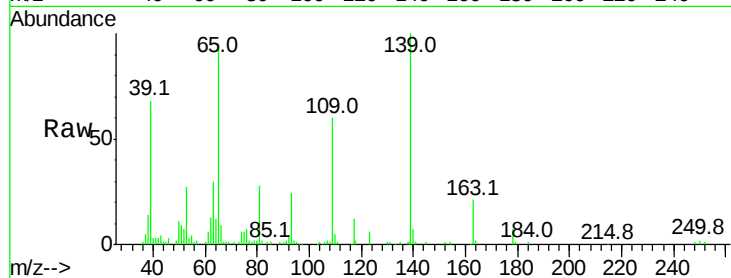




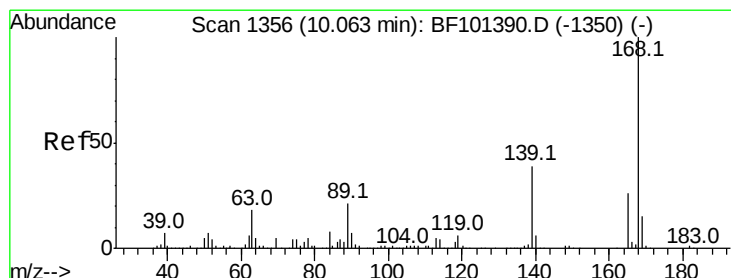
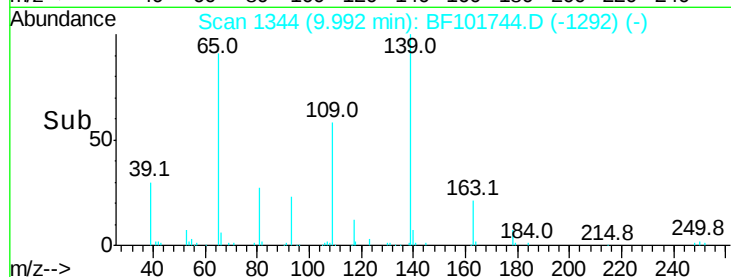
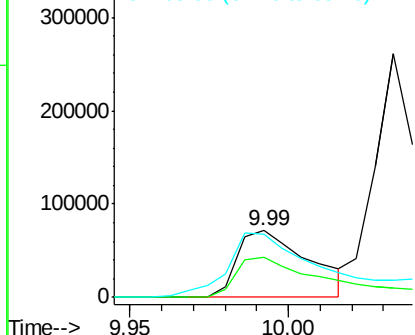
#55  
4-Nitrophenol  
Concen: 67.960 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:139 Resp: 111764  
Ion Ratio Lower Upper  
139 100  
109 60.1 48.4 88.4  
65 95.3 72.6 112.6

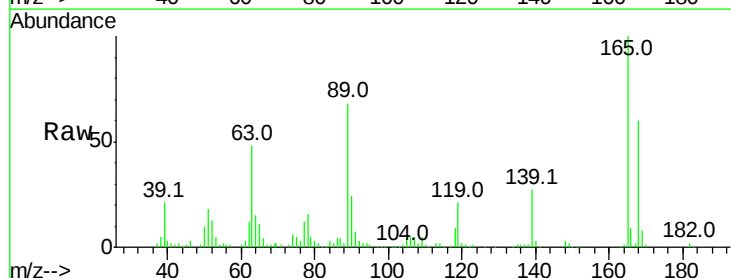


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

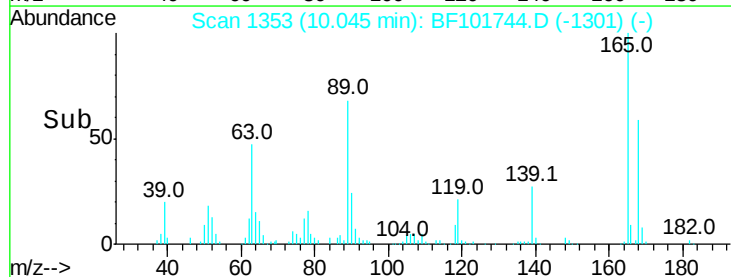
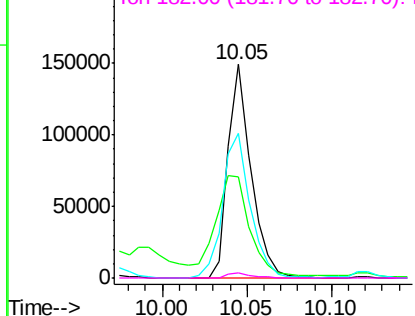


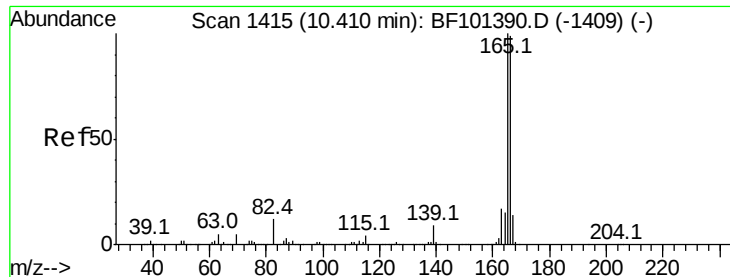
#56  
2,4-Dinitrotoluene  
Concen: 41.565 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:165 Resp: 141665  
Ion Ratio Lower Upper  
165 100  
63 47.6 36.4 54.6  
89 67.8 57.8 86.6  
182 2.4 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: 35.347 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

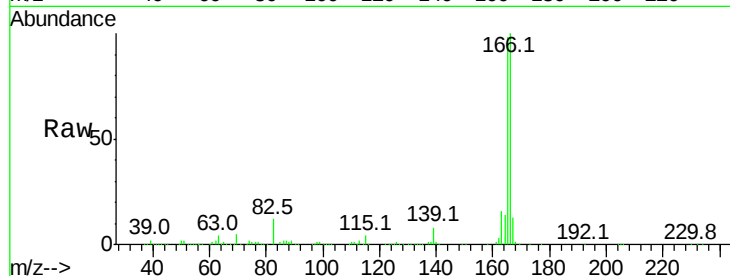
Tot Ion:166 Resp: 452789

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

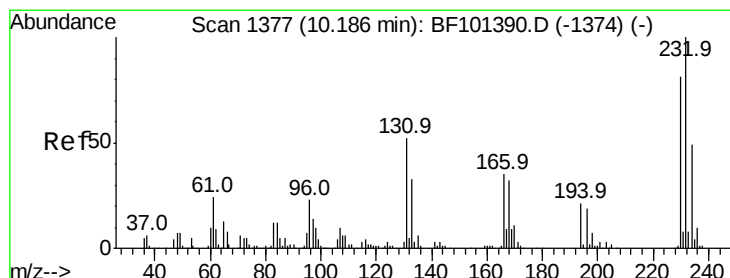
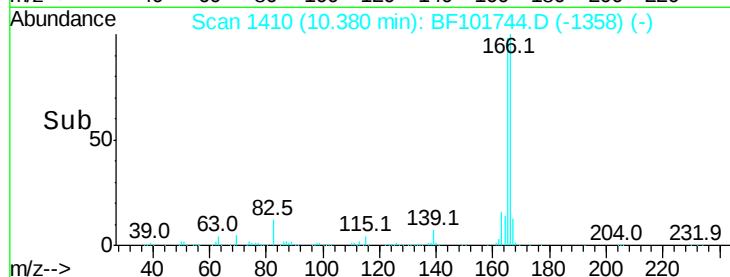
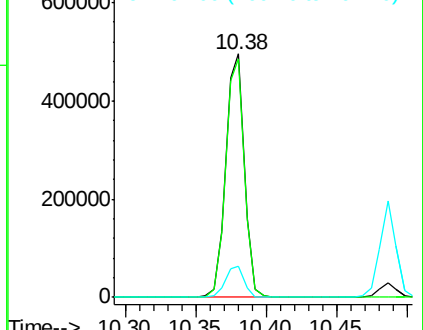
167 13.0 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 39.009 ng

RT: 10.17 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Tgt Ion:232 Resp: 115419

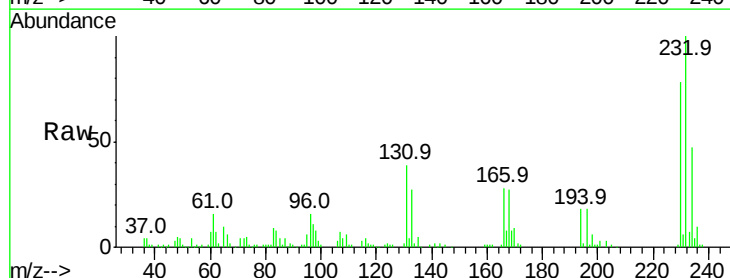
Ion Ratio Lower Upper

232 100

131 42.2 43.8 65.8#

130 2.2 2.1 3.1

166 29.2 27.8 41.6

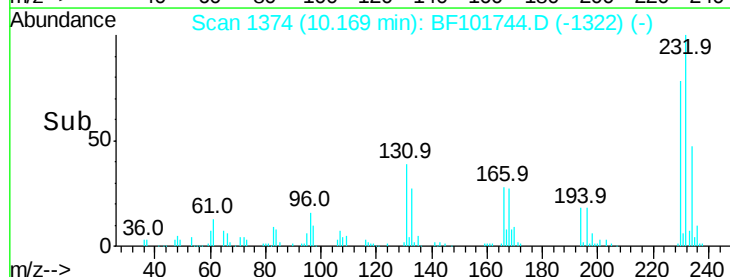
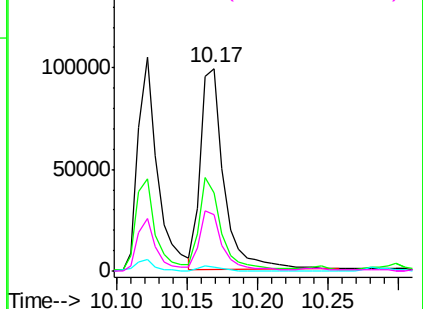


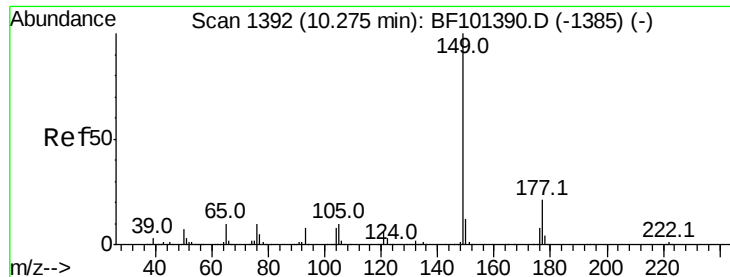
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

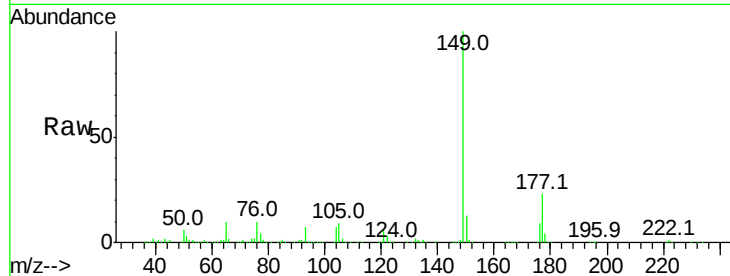




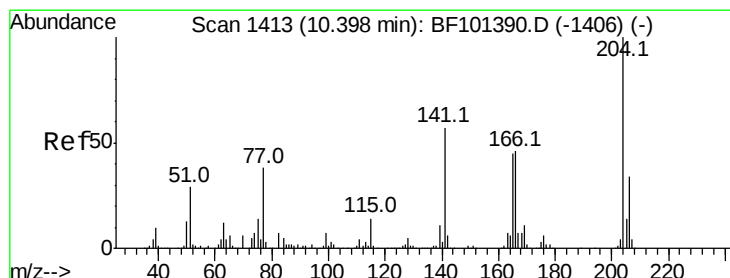
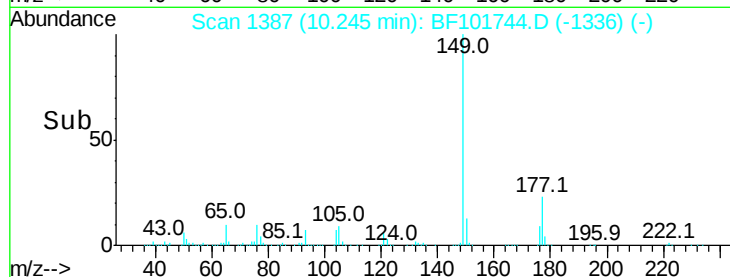
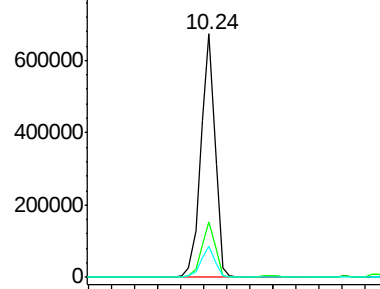
#59  
Diethylphthalate  
Concen: 38.737 ng  
RT: 10.24 min Scan# 1387  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:149 Resp: 570958  
Ion Ratio Lower Upper  
149 100  
177 22.8 16.1 24.1  
150 12.5 10.1 15.1

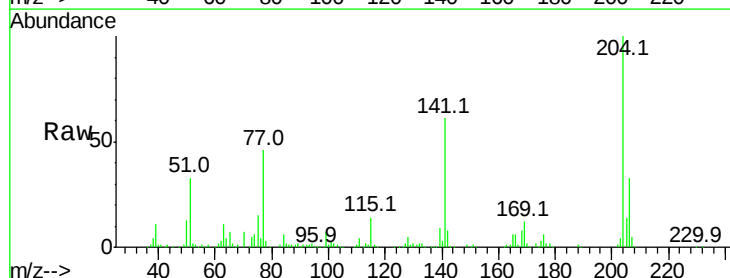


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

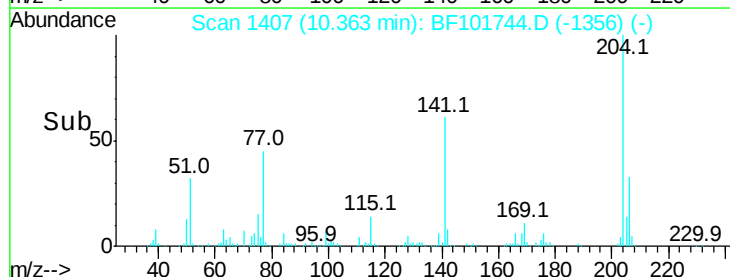
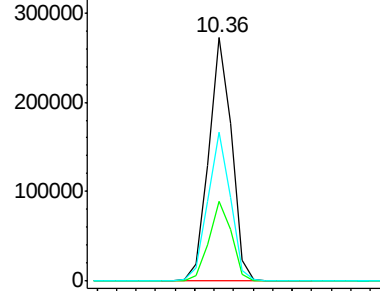


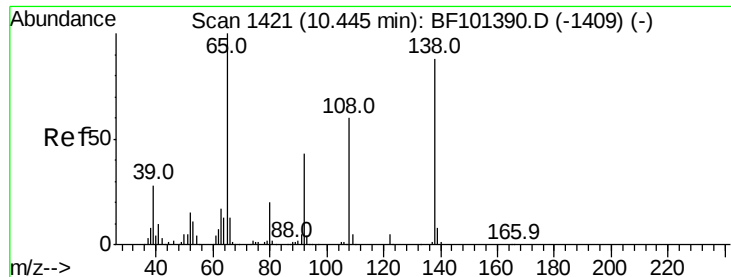
#60  
4-Chlorophenyl-phenylether  
Concen: 36.013 ng  
RT: 10.36 min Scan# 1407  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:204 Resp: 221092  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 61.1 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

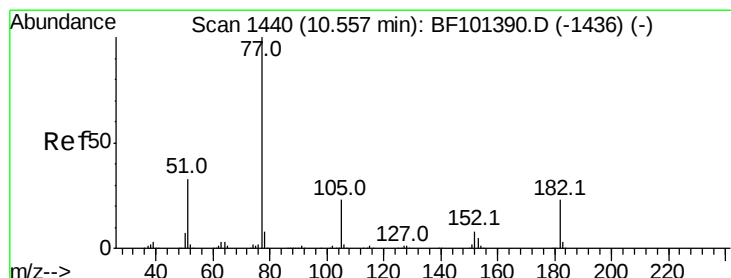
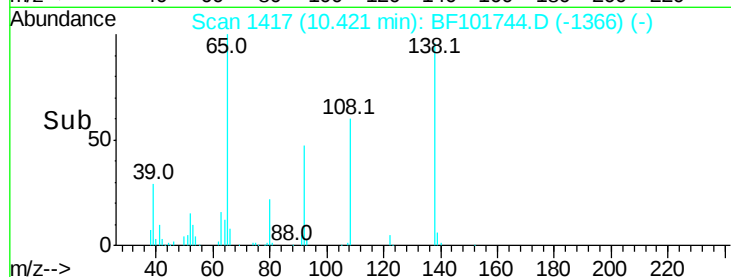
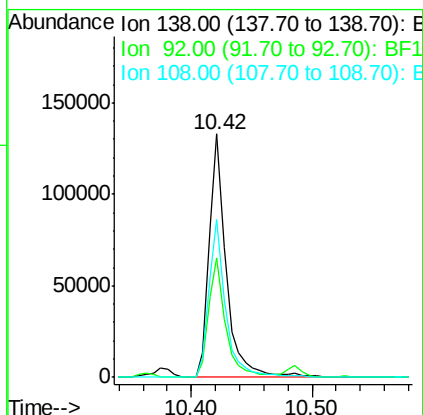
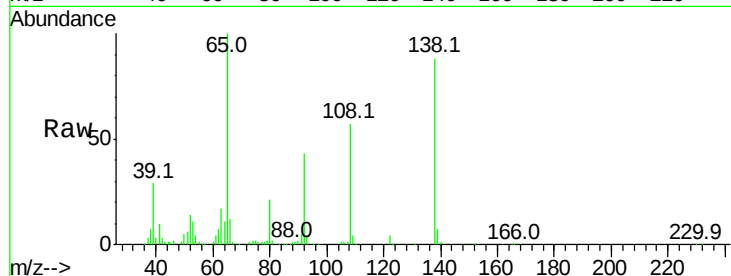




#61  
4-Nitroaniline  
Concen: 34.370 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

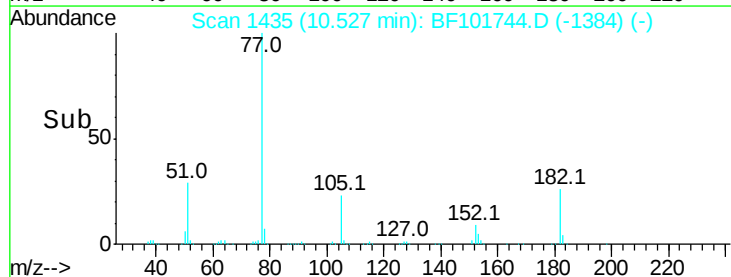
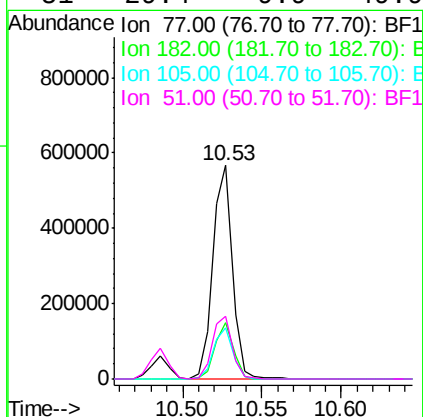
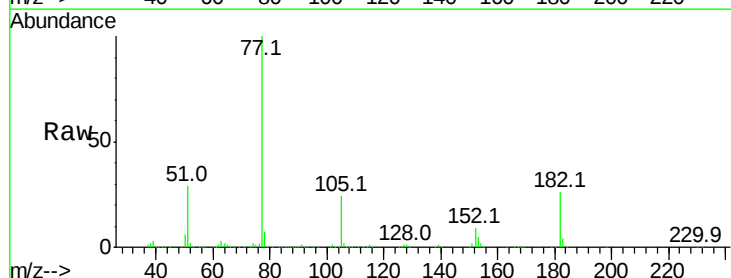
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

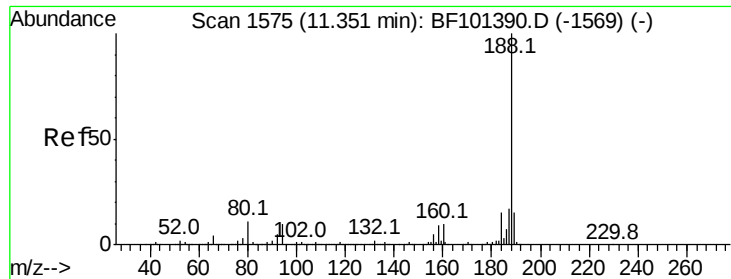
Tot Ion:138 Resp: 130296  
Ion Ratio Lower Upper  
138 100  
92 49.3 30.2 70.2  
108 64.6 52.5 92.5



#62  
Azobenzene  
Concen: 31.747 ng  
RT: 10.53 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion: 77 Resp: 484741  
Ion Ratio Lower Upper  
77 100  
182 26.2 1.7 41.7  
105 23.9 3.0 43.0  
51 29.4 9.9 49.9

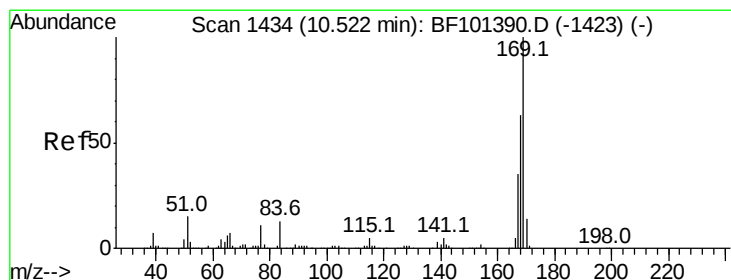
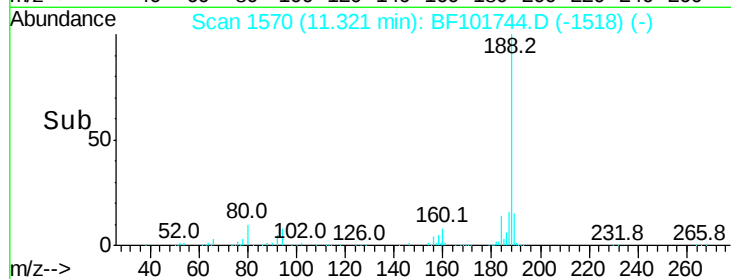
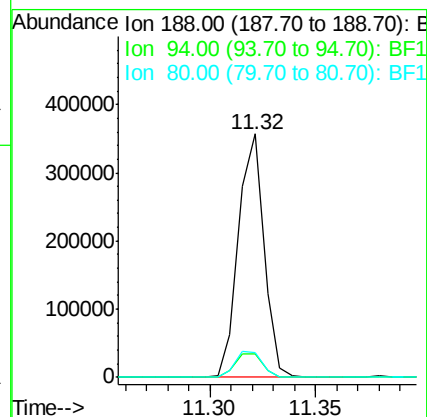
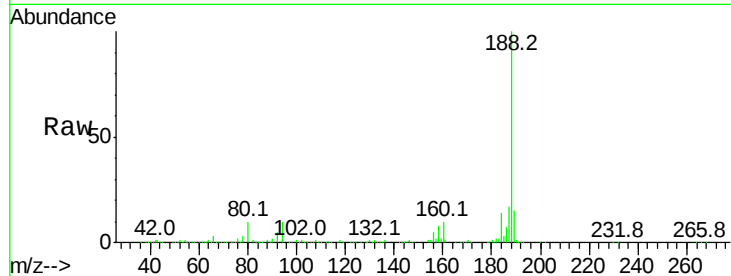




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

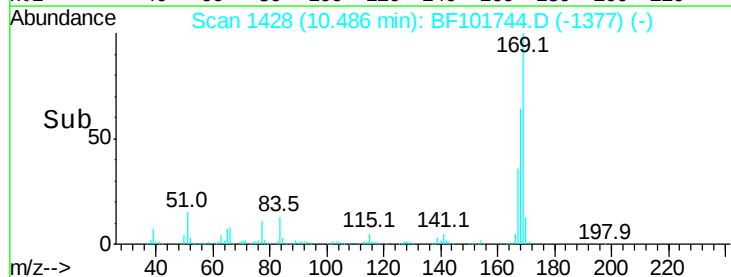
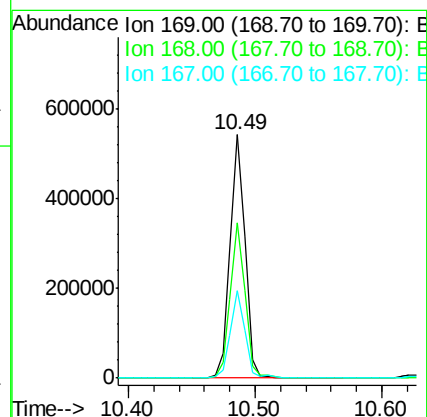
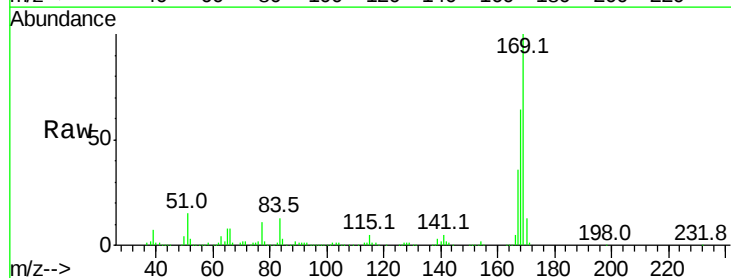
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

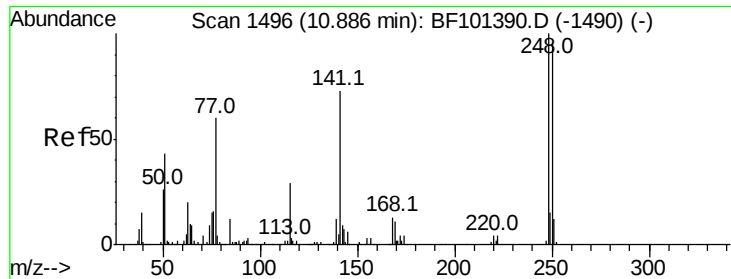
Tot Ion:188 Resp: 298800  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.5 12.7  
80 10.2 9.2 13.8



#65  
n-Nitrosodiphenylamine  
Concen: 40.141 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:169 Resp: 442875  
Ion Ratio Lower Upper  
169 100  
168 63.9 54.4 81.6  
167 36.1 29.8 44.6

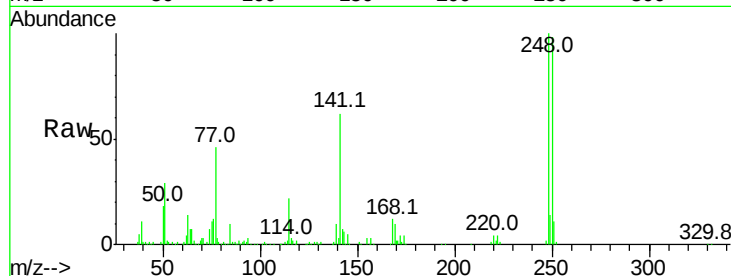




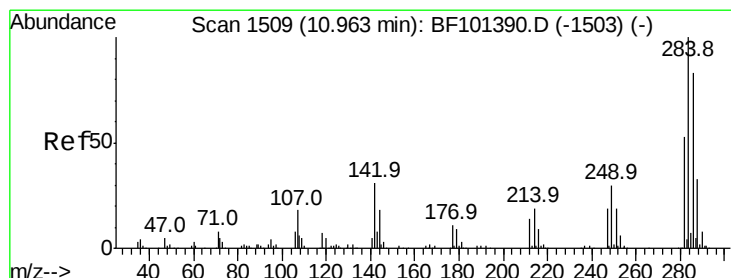
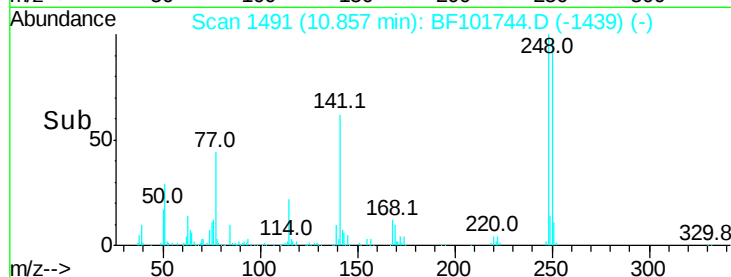
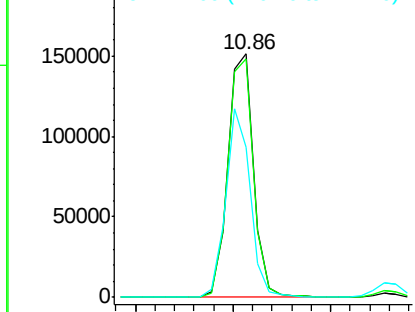
#66  
4-Bromophenyl-phenylether  
Concen: 40.915 ng  
RT: 10.86 min Scan# 1491  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:248 Resp: 137367  
Ion Ratio Lower Upper  
248 100  
250 97.8 76.9 115.3  
141 61.9 74.4 111.6#

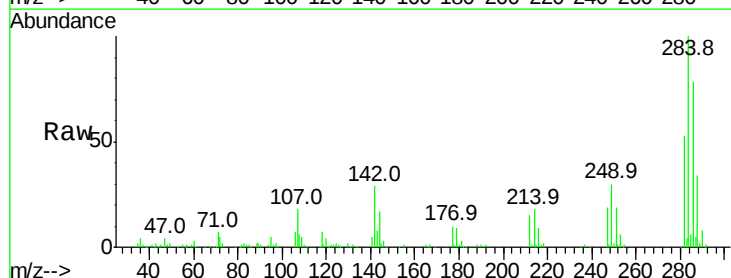


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

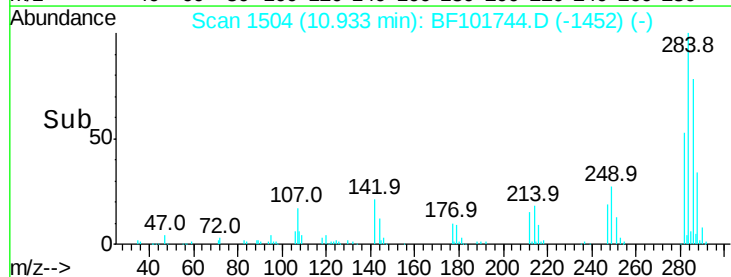
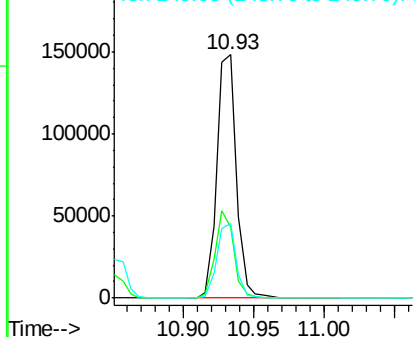


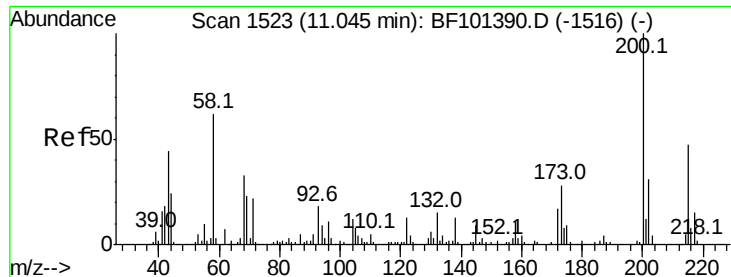
#67  
Hexachlorobenzene  
Concen: 40.167 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:284 Resp: 142729  
Ion Ratio Lower Upper  
284 100  
142 29.3 34.6 52.0#  
249 30.5 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

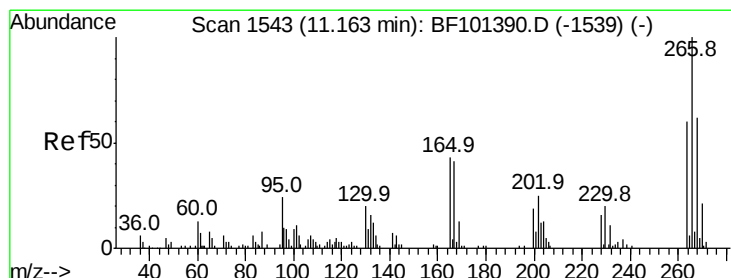
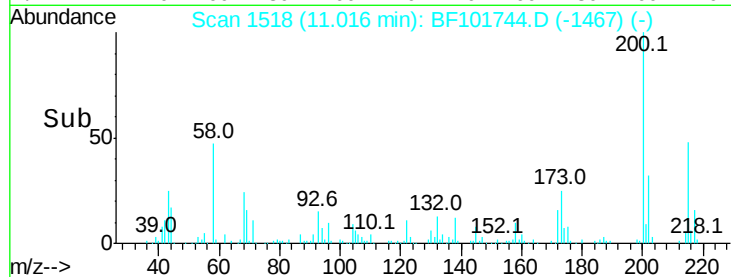
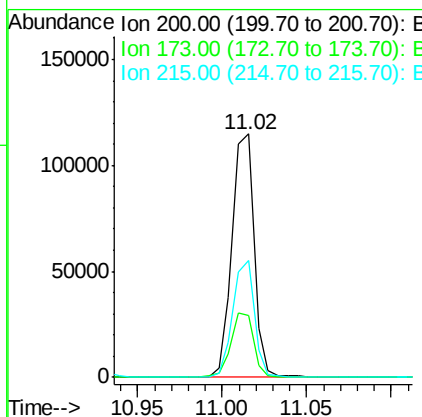
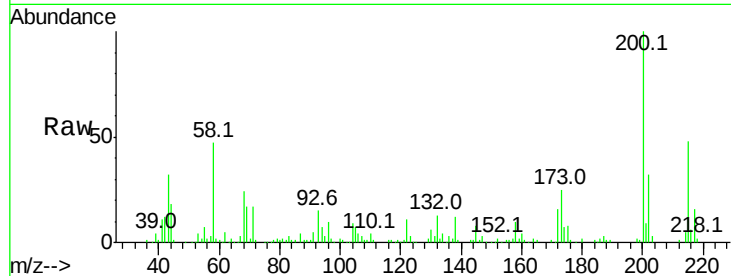




#68  
Atrazine  
Concen: 31.819 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

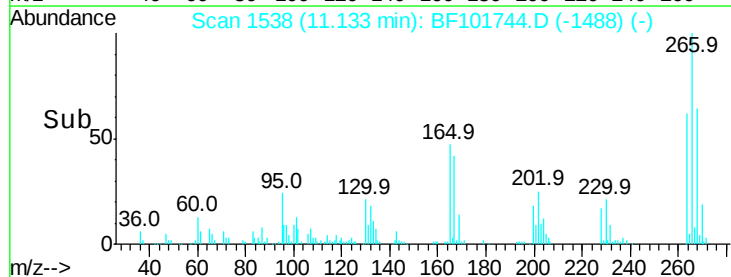
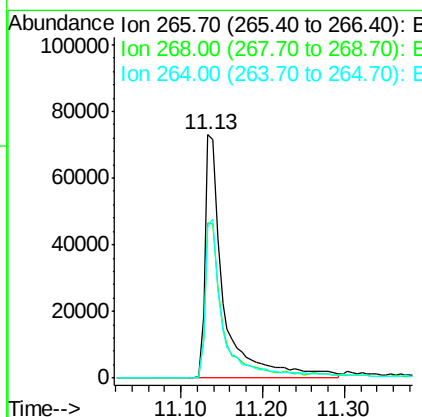
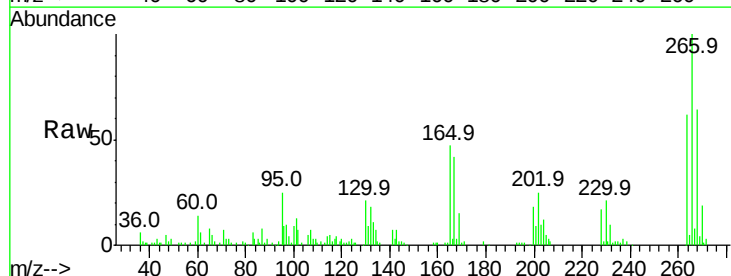
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

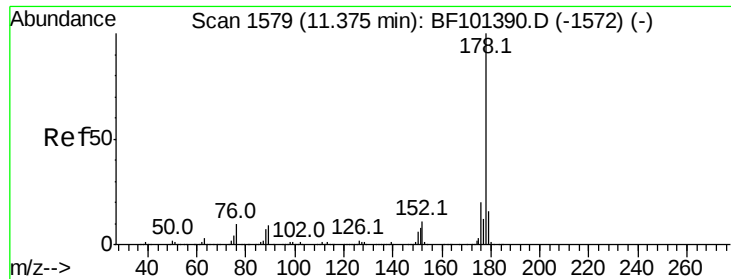
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.4  | 8.6   | 48.6  |
| 215     | 48.2  | 25.1  | 65.1  |



#69  
Pentachlorophenol  
Concen: 84.700 ng  
RT: 11.13 min Scan# 1538  
Delta R.T. -0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 51.1  | 76.7  |
| 264     | 62.3  | 49.5  | 74.3  |





#70

Phenanthrene

Concen: 40.851 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

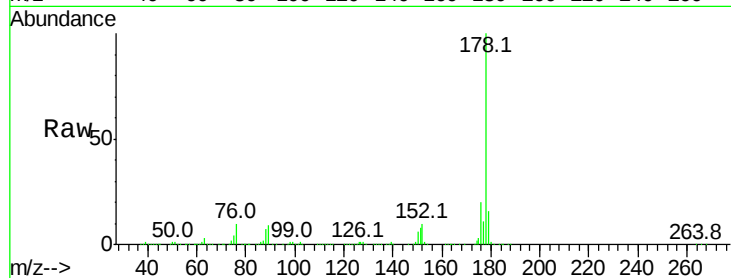
Tot Ion:178 Resp: 678817

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

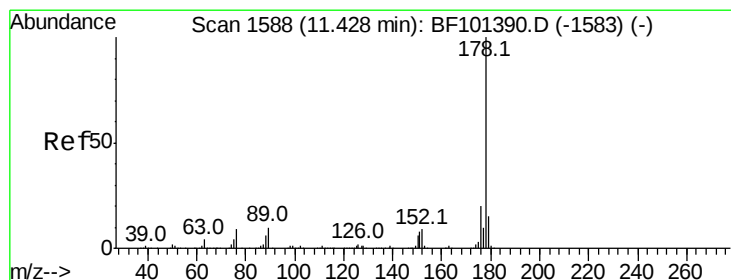
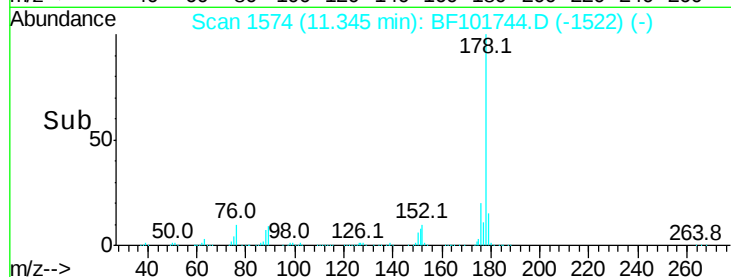
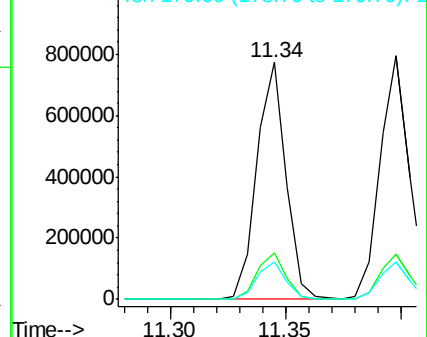
179 15.6 13.0 19.6



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: 42.019 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

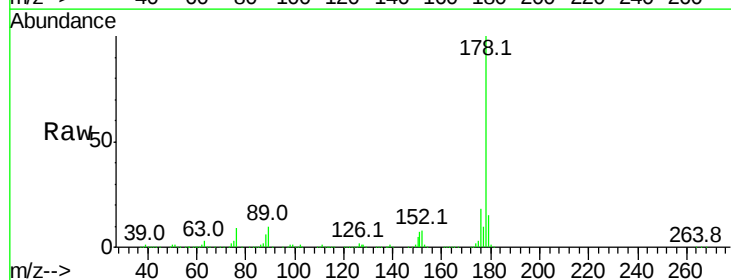
Tgt Ion:178 Resp: 713207

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

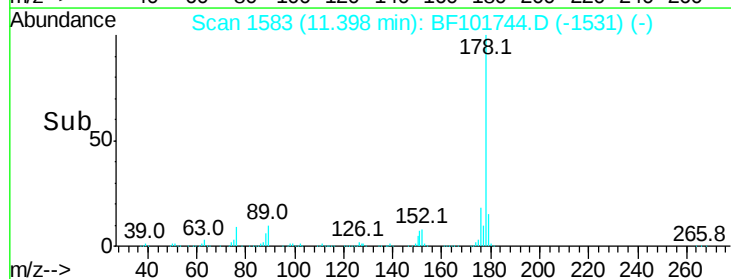
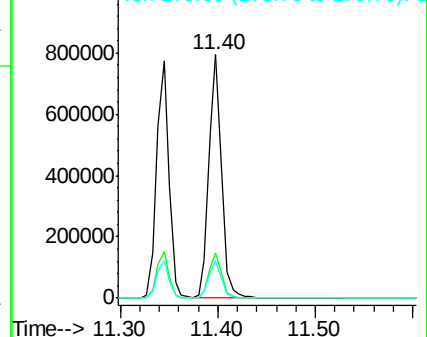
179 15.3 12.6 19.0

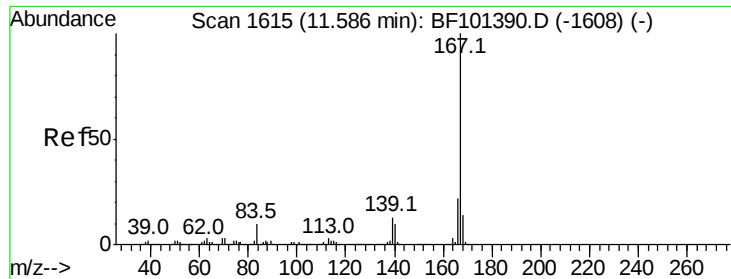


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 44.151 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

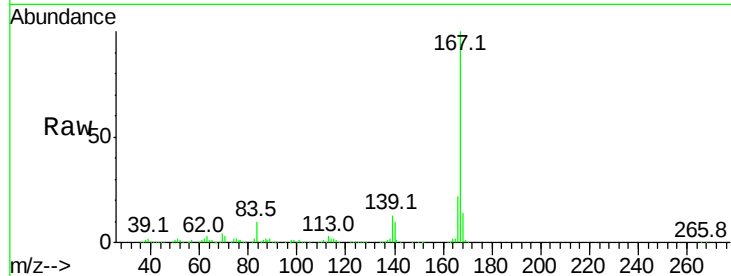
Tot Ion:167 Resp: 701632

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

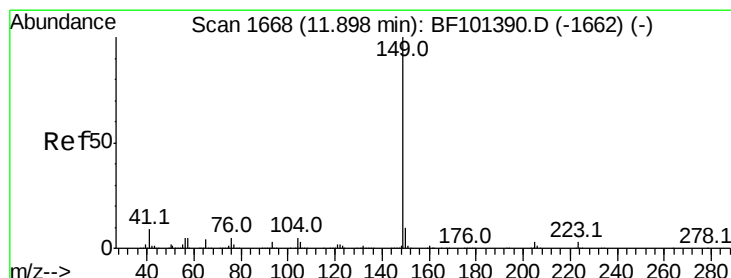
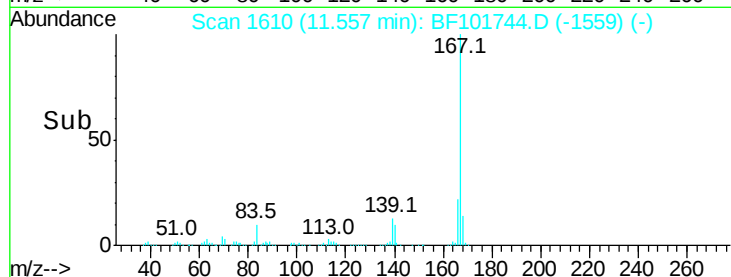
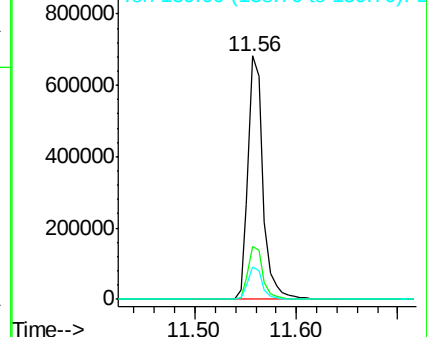
139 13.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 45.271 ng

RT: 11.87 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

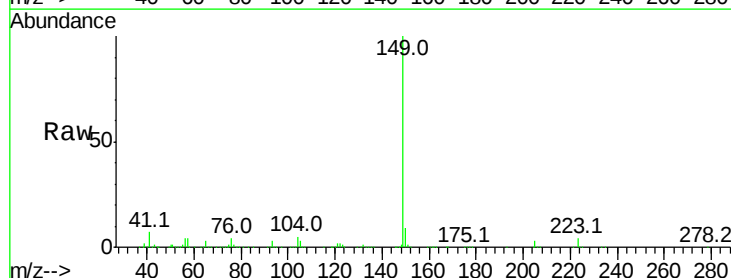
Tgt Ion:149 Resp: 873195

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

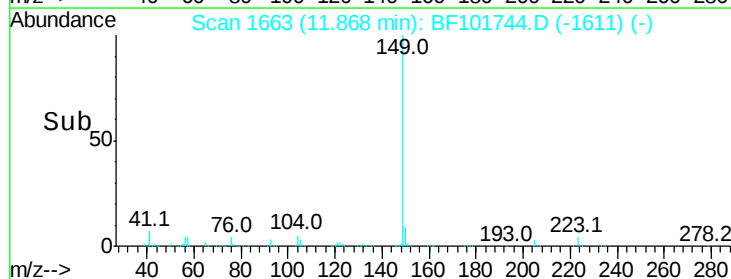
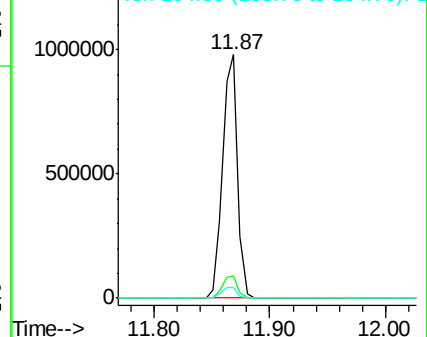
104 4.6 3.8 5.8

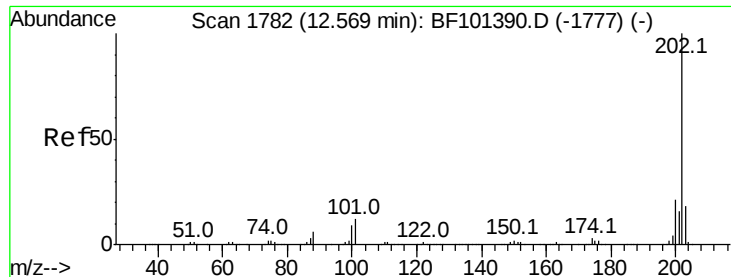


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

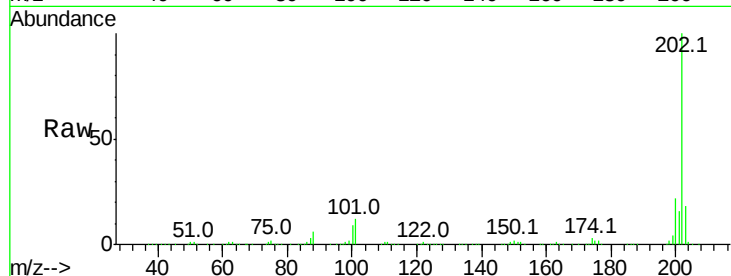




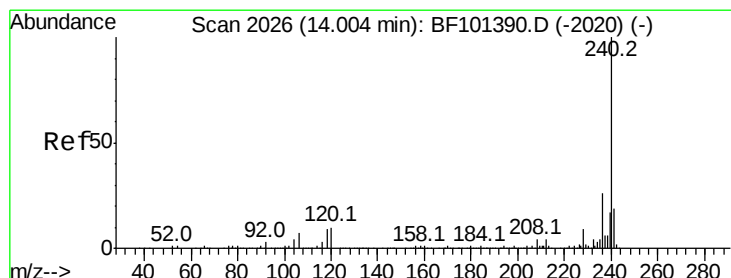
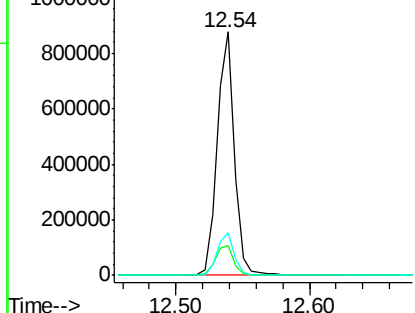
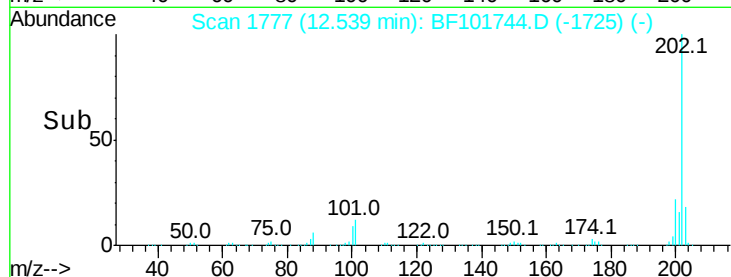
#74  
 Fluoranthene  
 Concen: 45.630 ng  
 RT: 12.54 min Scan# 1777  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-3DS(90-92)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.2  | 0.0   | 34.1  |
| 203     | 17.6  | 0.0   | 38.1  |

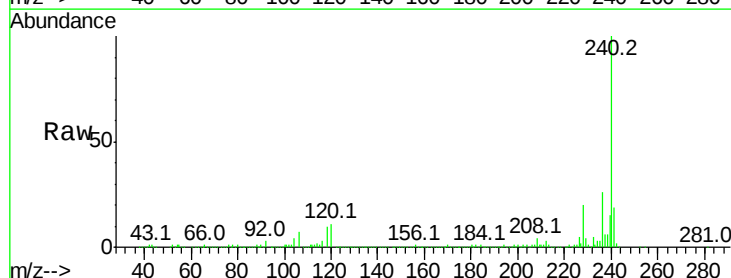


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

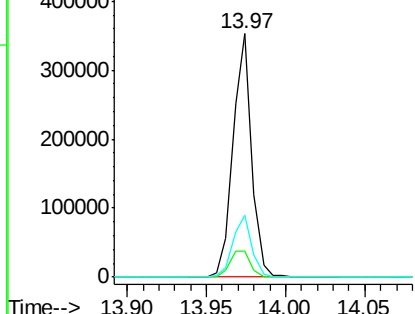
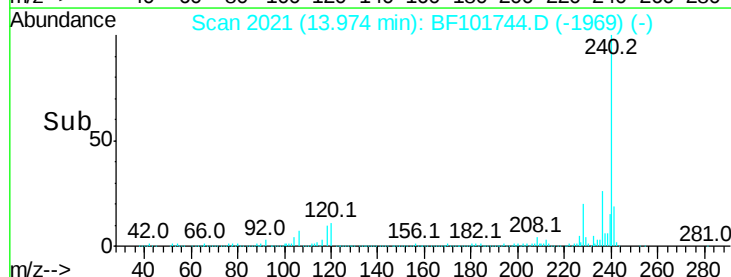


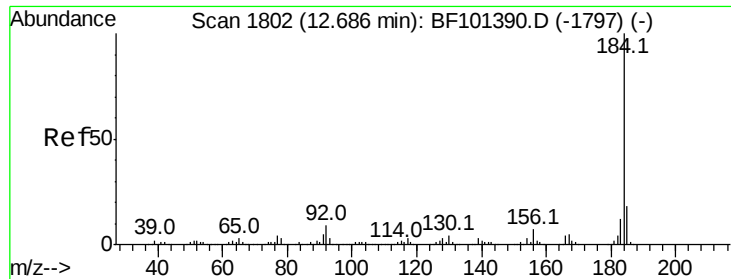
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. 0.01 min  
 Lab File: BF101744.D  
 Acq: 27 Dec 2017 5:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.9  | 9.5   | 14.3  |
| 236     | 25.7  | 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: 19.180 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

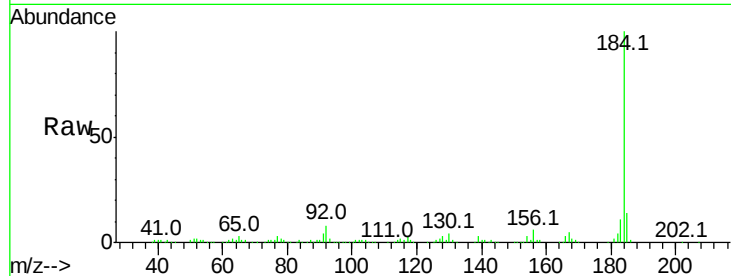
Tot Ion:184 Resp: 232684

Ion Ratio Lower Upper

184 100

185 13.8 12.6 18.8

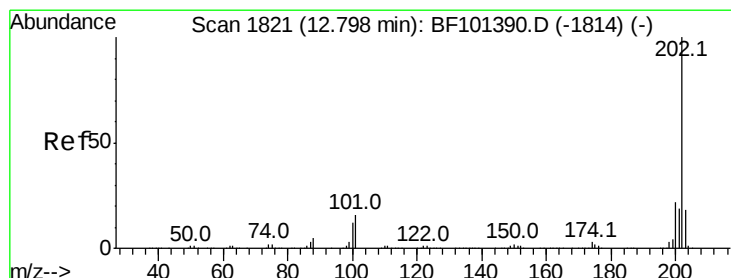
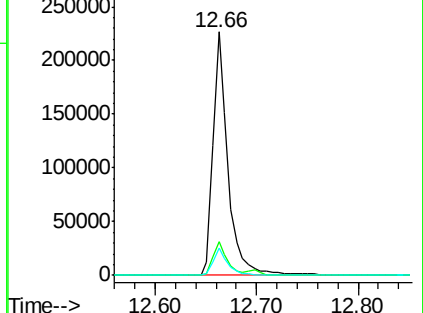
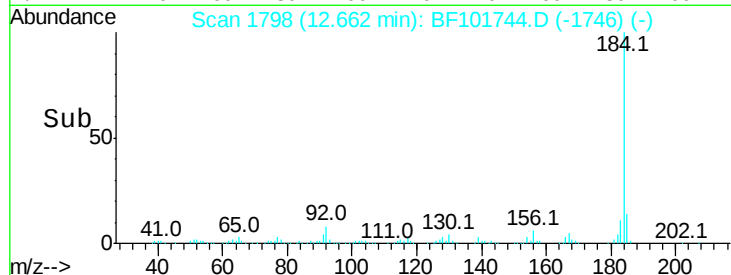
183 11.1 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 38.907 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

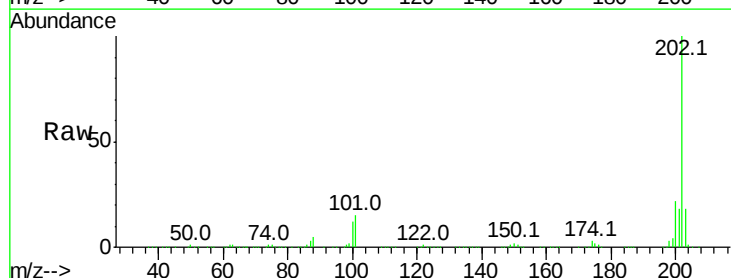
Tgt Ion:202 Resp: 838736

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

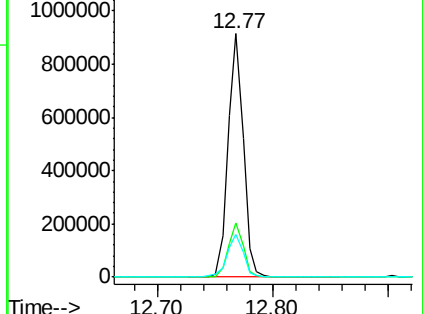
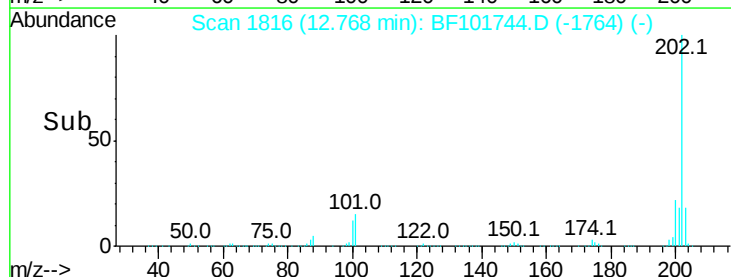
203 17.6 14.3 21.5

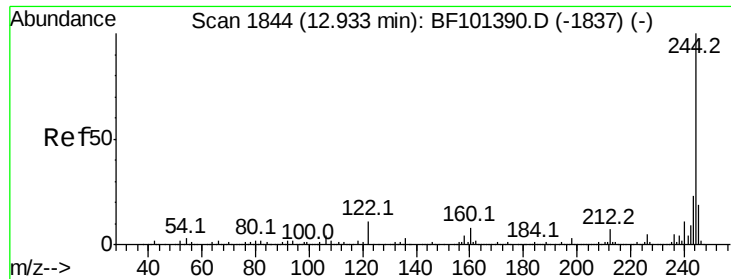


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 93.446 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

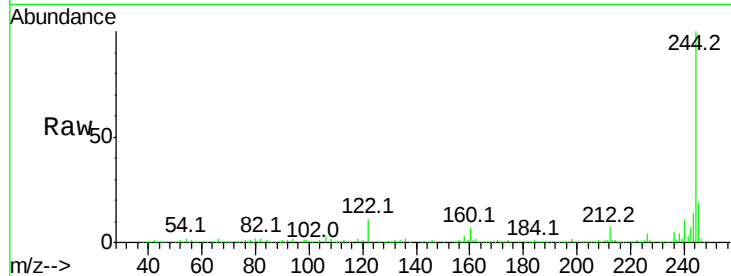
Tot Ion:244 Resp: 1113395

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

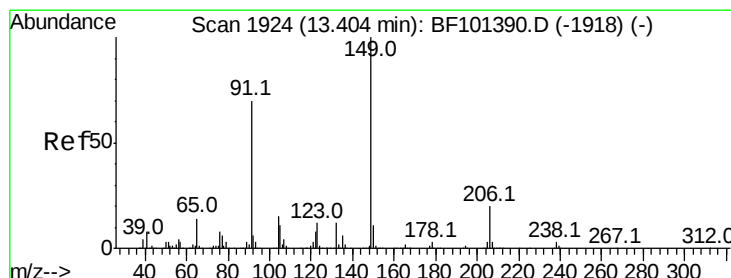
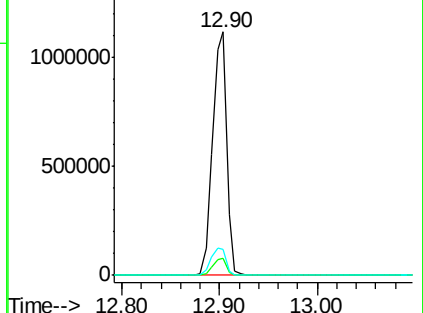
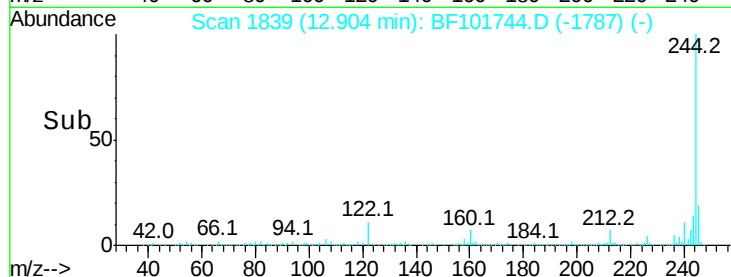
122 10.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 40.276 ng

RT: 13.37 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

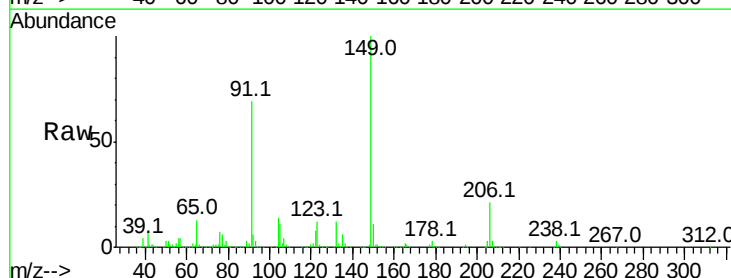
Tgt Ion:149 Resp: 392863

Ion Ratio Lower Upper

149 100

91 69.3 56.8 85.2

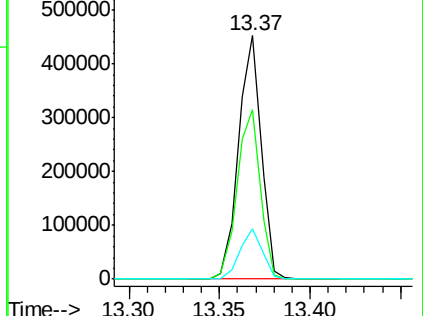
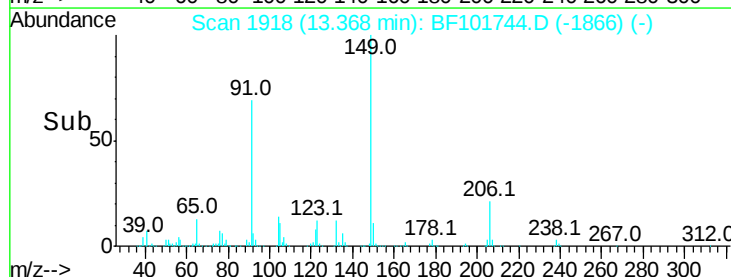
206 20.6 14.1 21.1

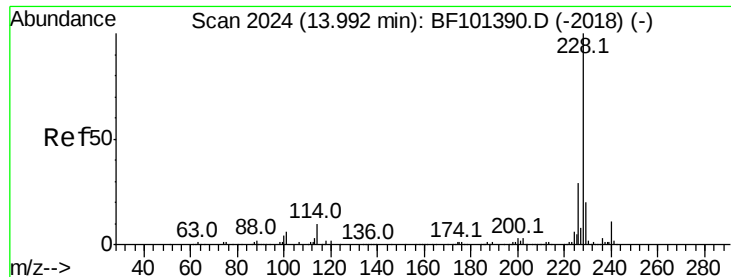


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 43.058 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

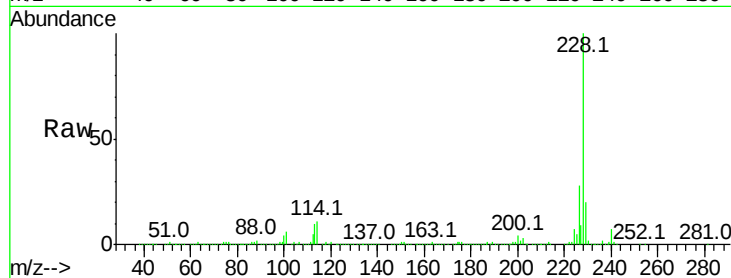
Tot Ion:228 Resp: 816673

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

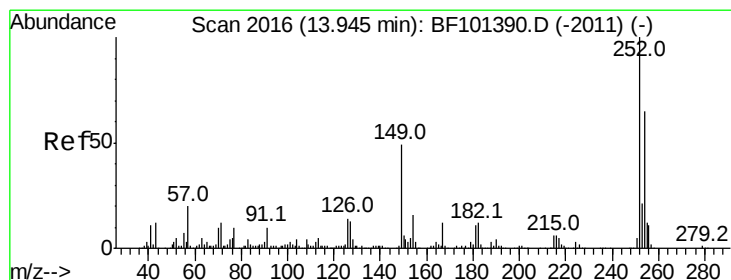
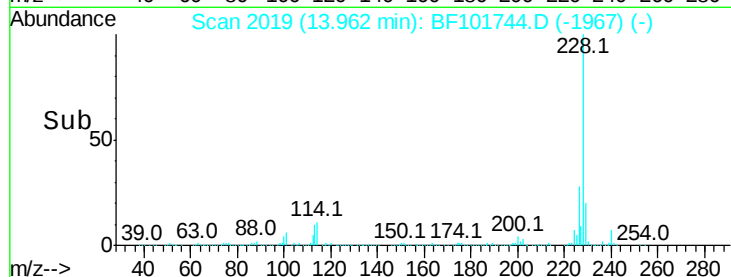
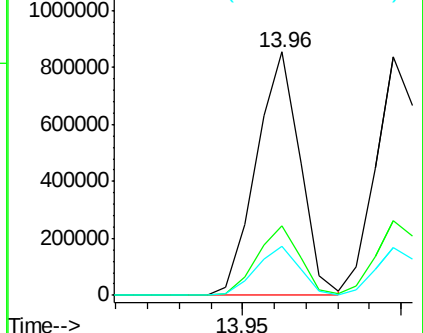
229 20.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 34.587 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

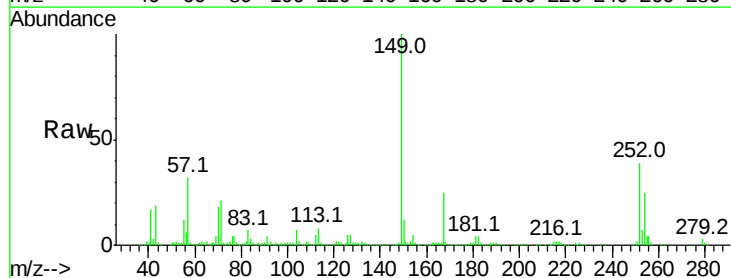
Tgt Ion:252 Resp: 213902

Ion Ratio Lower Upper

252 100

254 64.4 50.4 75.6

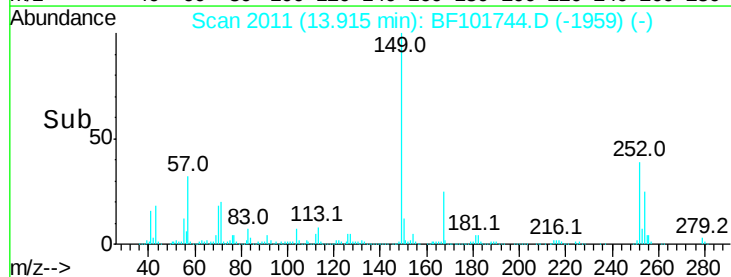
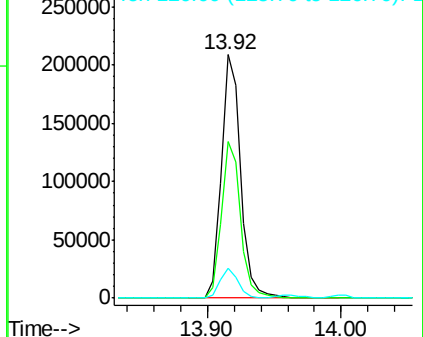
126 12.5 11.3 16.9

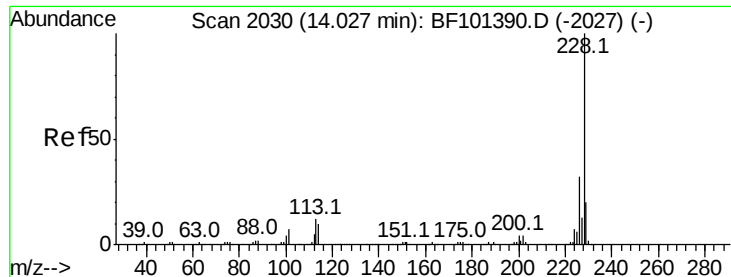


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 44.394 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-3DS(90-92)MSD

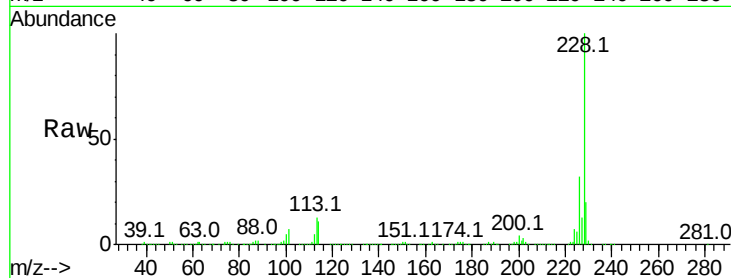
Tot Ion:228 Resp: 795023

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

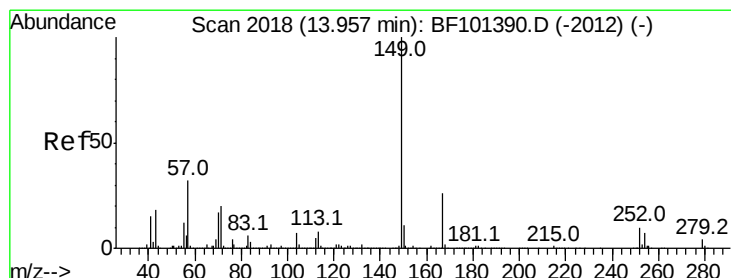
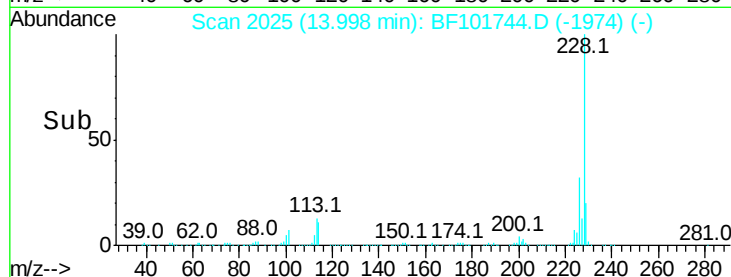
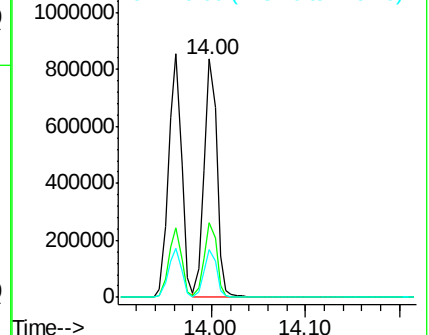
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 42.689 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF101744.D

Acq: 27 Dec 2017 5:07

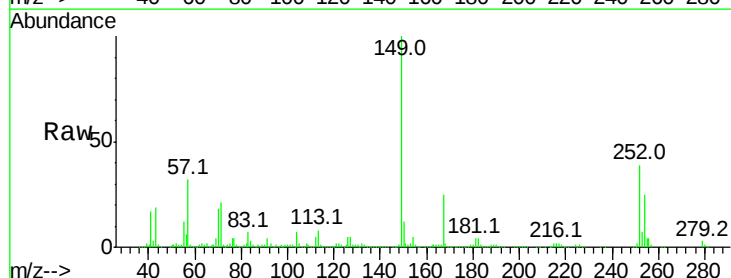
Tgt Ion:149 Resp: 527418

Ion Ratio Lower Upper

149 100

167 25.4 21.3 31.9

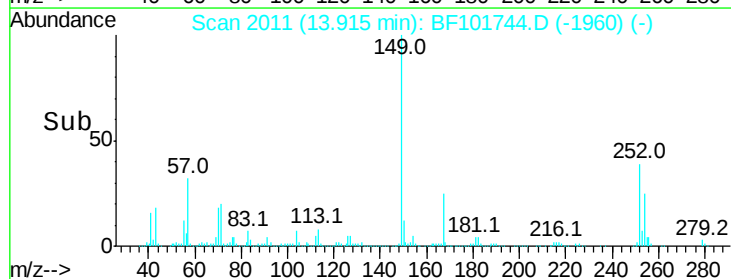
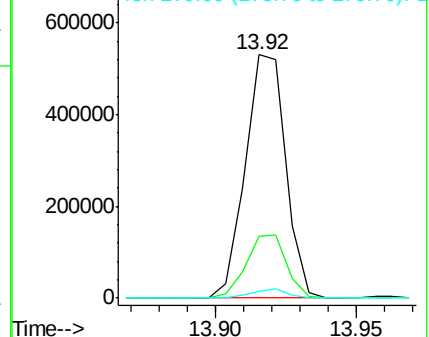
279 3.0 3.0 4.4

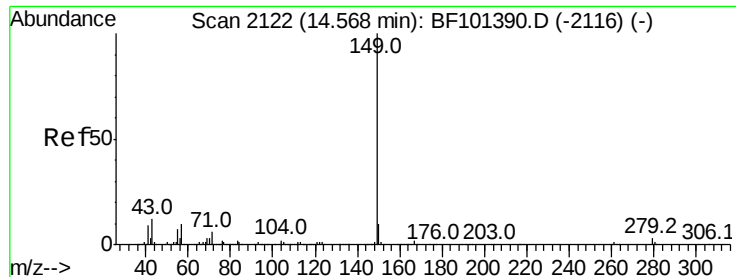


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

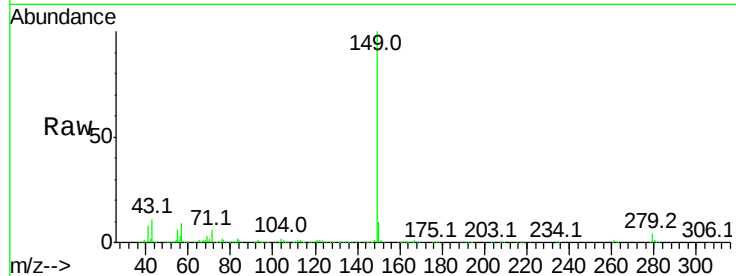




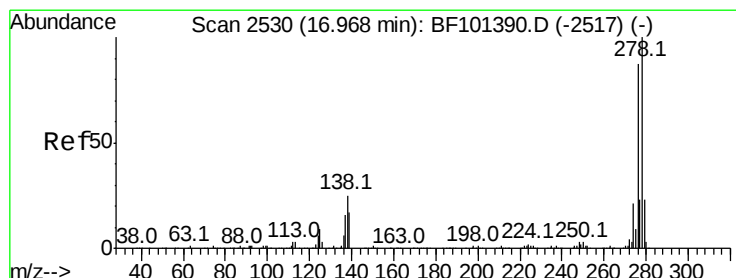
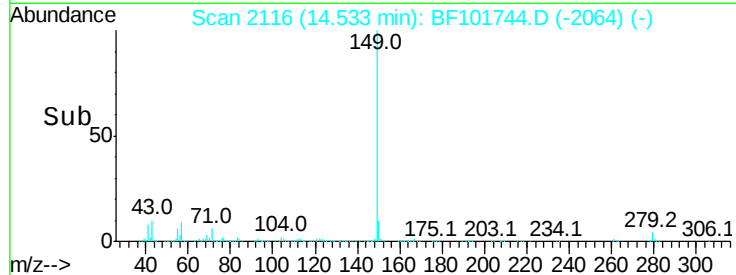
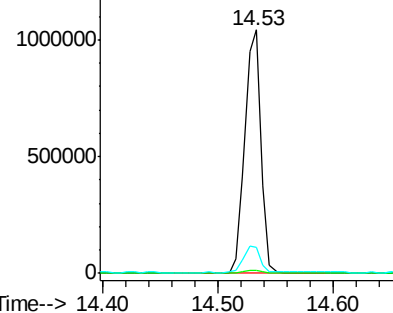
#84  
Di-n-octyl phthalate  
Concen: 46.459 ng  
RT: 14.53 min Scan# 2116  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:149 Resp: 1023654  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 11.1 8.4 12.6

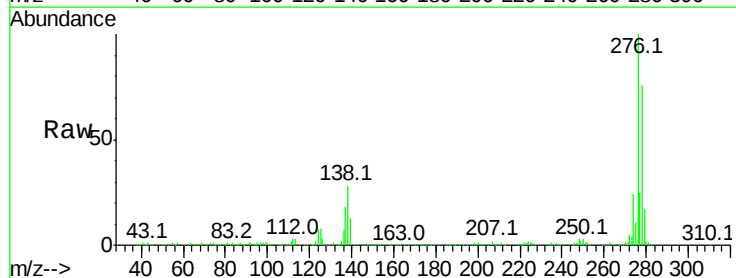


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

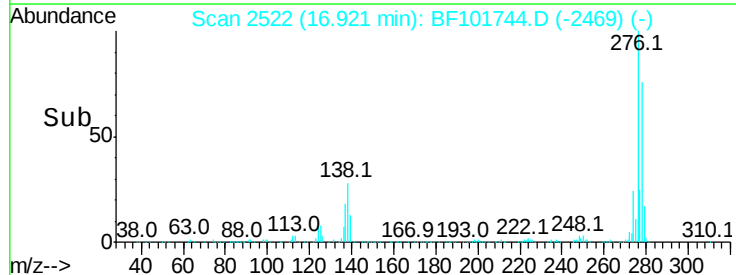
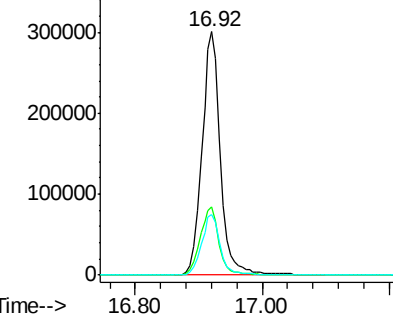


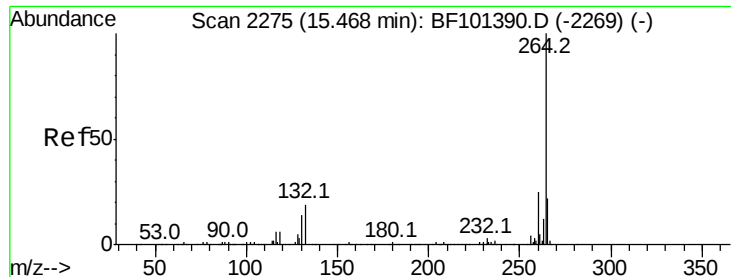
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 38.516 ng  
RT: 16.92 min Scan# 2522  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:276 Resp: 614229  
Ion Ratio Lower Upper  
276 100  
138 28.7 25.0 37.6  
277 25.2 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

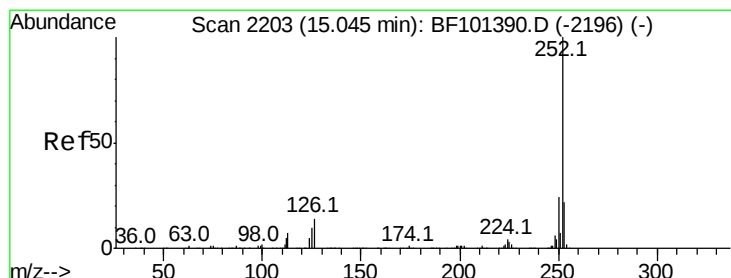
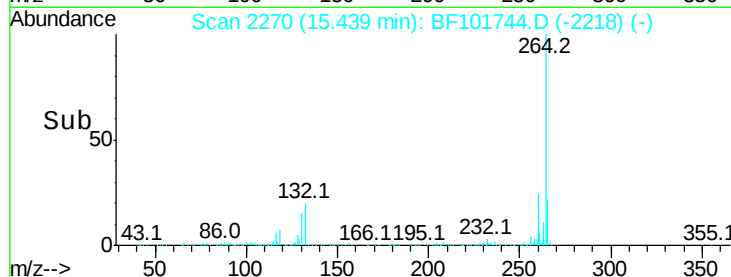
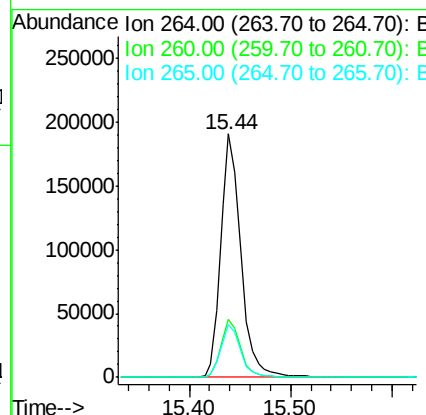
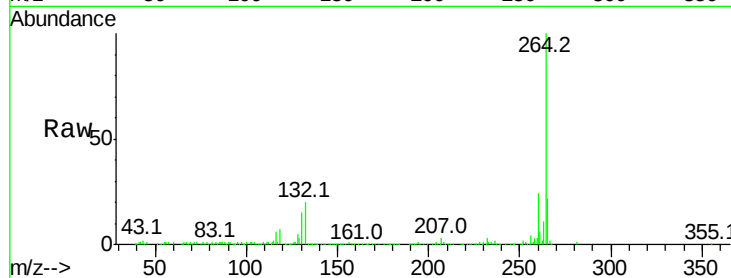




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

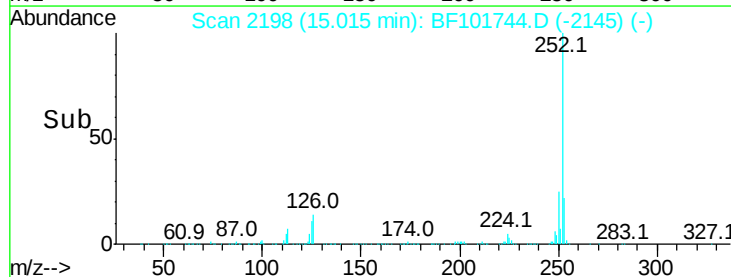
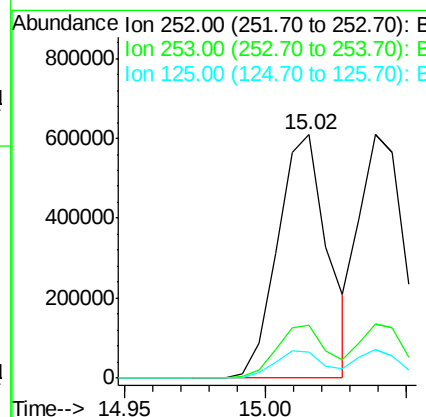
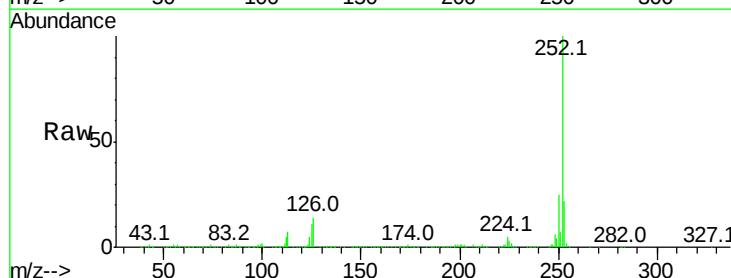
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

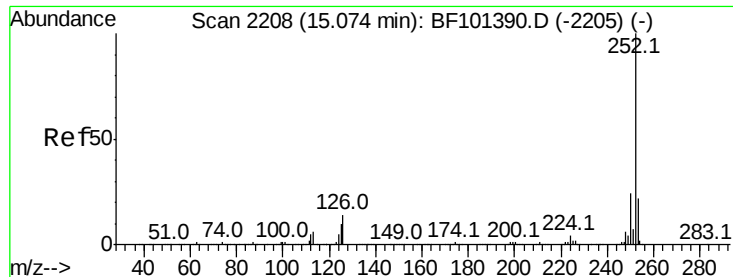
Tot Ion:264 Resp: 262873  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 21.8 17.5 26.3



#87  
Benzo(b)fluoranthene  
Concen: 46.771 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:252 Resp: 749392  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.0 25.6  
125 10.8 9.0 13.6

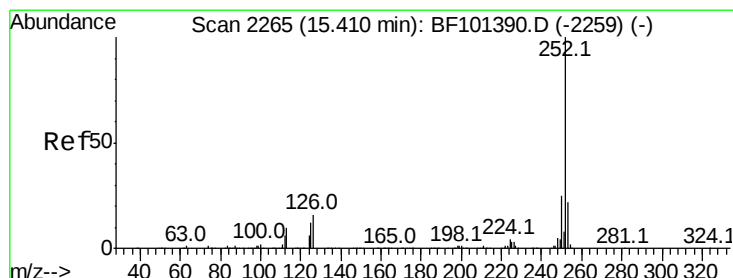
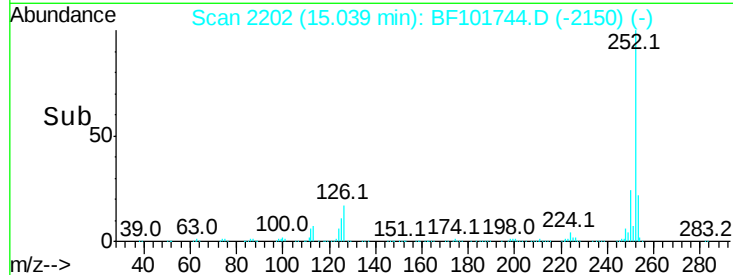
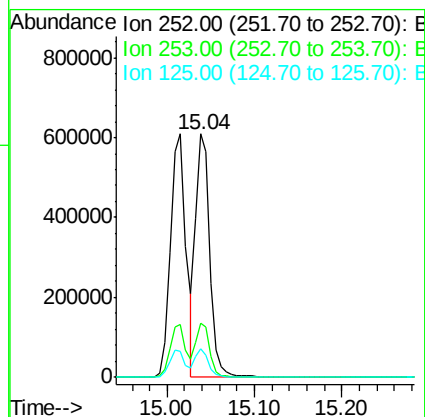
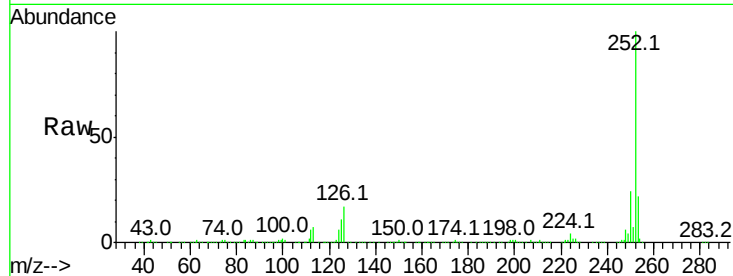




#88  
Benzo(k)fluoranthene  
Concen: 44.226 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

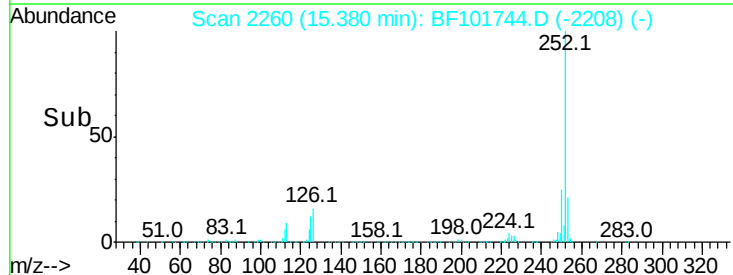
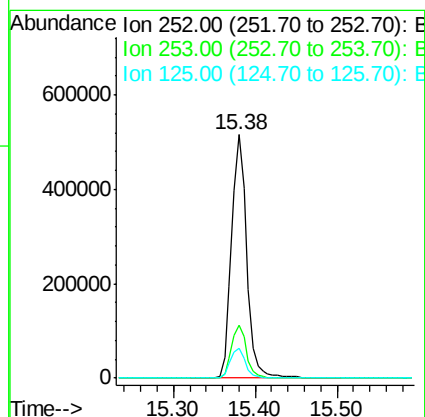
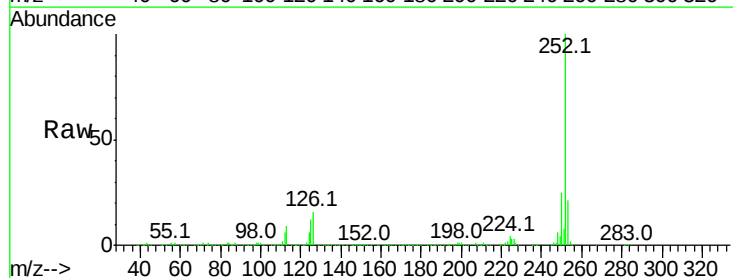
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

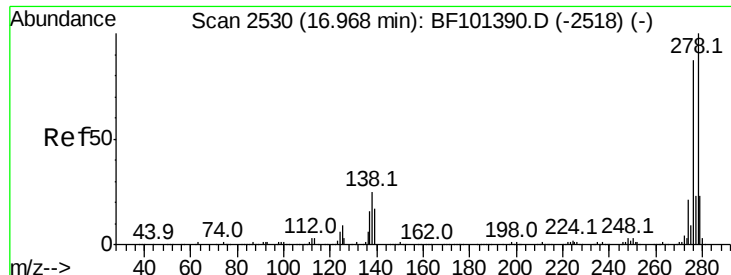
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.9  | 26.9  |
| 125     | 11.5  | 10.2  | 15.2  |



#89  
Benzo(a)pyrene  
Concen: 45.298 ng  
RT: 15.38 min Scan# 2260  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.1  | 25.7  |
| 125     | 12.4  | 9.8   | 14.6  |



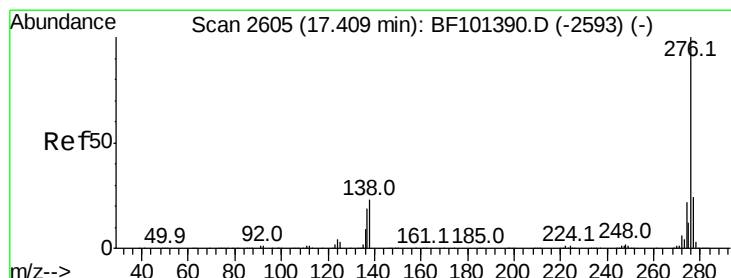
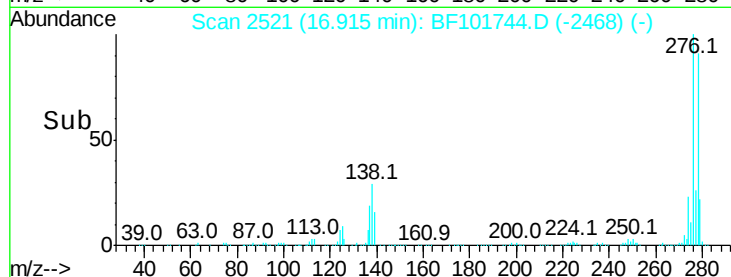
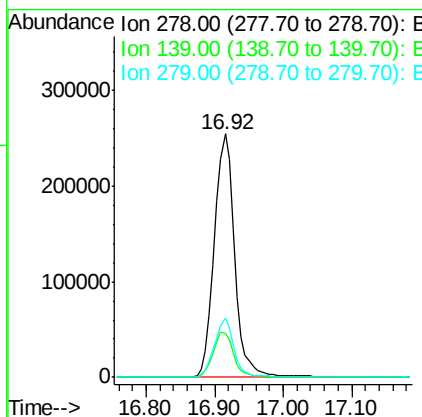
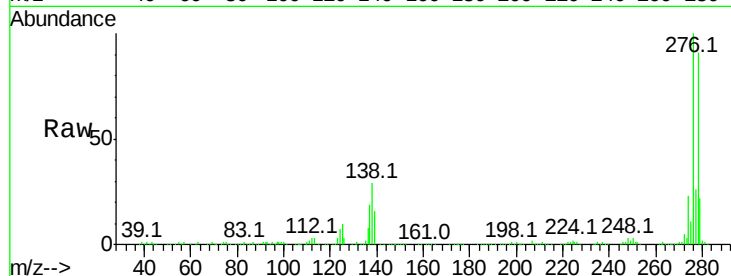


#90  
Dibenzo(a,h)anthracene  
Concen: 41.345 ng  
RT: 16.92 min Scan# 2521  
Delta R.T. 0.01 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-3DS(90-92)MSD

Tot Ion:278 Resp: 524329  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 17.8  | 15.9  | 23.9  |
| 279 | 24.4  | 19.0  | 28.4  |



#91  
Benzo(g,h,i)perylene  
Concen: 40.964 ng  
RT: 17.37 min Scan# 2598  
Delta R.T. 0.02 min  
Lab File: BF101744.D  
Acq: 27 Dec 2017 5:07

Tgt Ion:276 Resp: 514410  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.9  | 17.9  | 26.9  |
| 138 | 24.0  | 21.8  | 32.8  |

