

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\  
 Data File : BF104650.D  
 Acq On : 20 Apr 2018 1:09  
 Operator : JU/SJ  
 Sample : PB108340BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 20 02:22:37 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 14:44:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 134889   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 540196   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 231594   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 371461   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.98 | 240  | 266918   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.44 | 264  | 230541   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 942325   | 106.82 | ng    | 0.02     |
| 7) Phenol-d6                | 6.45  | 99   | 1171974  | 108.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 745904   | 90.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 274549   | 114.28 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1280952  | 87.38  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 1014132  | 86.62  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.59 | 88   | 131218   | 31.922 | ng    | # 89   |
| 3) Pyridine                    | 3.32 | 79   | 374792   | 32.430 | ng    | 86     |
| 4) n-Nitrosodimethylamine      | 3.28 | 42   | 146235   | 36.198 | ng    | # 72   |
| 6) Aniline                     | 6.47 | 93   | 126207   | 8.381  | ng    | # 32   |
| 8) 2-Chlorophenol              | 6.59 | 128  | 356922   | 38.333 | ng    | 98     |
| 9) Benzaldehyde                | 6.36 | 77   | 202775   | 35.690 | ng    | 96     |
| 10) Phenol                     | 6.46 | 94   | 408780   | 35.544 | ng    | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93   | 335129   | 36.516 | ng    | 95     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146  | 374506   | 35.504 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146  | 381277   | 36.260 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146  | 350090   | 35.928 | ng    | 100    |
| 15) Benzyl Alcohol             | 6.95 | 79   | 289341   | 35.146 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45   | 425272   | 34.505 | ng    | 85     |
| 17) 2-Methylphenol             | 7.07 | 107  | 300502   | 37.128 | ng    | 93     |
| 18) Hexachloroethane           | 7.32 | 117  | 114757   | 30.610 | ng    | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70   | 230692   | 32.570 | ng    | 94     |
| 20) 3+4-Methylphenols          | 7.22 | 107  | 364711   | 36.333 | ng    | # 74   |
| 22) Acetophenone               | 7.22 | 105  | 469679   | 35.316 | ng    | 99     |
| 24) Nitrobenzene               | 7.39 | 77   | 362600   | 39.699 | ng    | 97     |
| 25) Isophorone                 | 7.63 | 82   | 661889   | 37.835 | ng    | 98     |
| 26) 2-Nitrophenol              | 7.70 | 139  | 182089   | 48.970 | ng    | 96     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122  | 311911   | 40.400 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93   | 430054   | 40.207 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.95 | 162  | 294301   | 39.951 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180  | 298593   | 36.934 | ng    | 99     |
| 31) Naphthalene                | 8.11 | 128  | 992110   | 36.883 | ng    | 100    |
| 32) Benzoic acid               | 7.87 | 122  | 211687   | 34.364 | ng    | 96     |
| 33) 4-Chloroaniline            | 8.16 | 127  | 59430    | 5.157  | ng    | 95     |
| 34) Hexachlorobutadiene        | 8.22 | 225  | 162737   | 36.750 | ng    | 98     |
| 35) Caprolactam                | 8.54 | 113  | 95961    | 37.341 | ng    | # 83   |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107  | 307137   | 38.883 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 8.80 | 142  | 649371   | 37.321 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216  | 277786   | 41.901 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.95 | 237  | 71053    | 19.144 | ng    | 98     |

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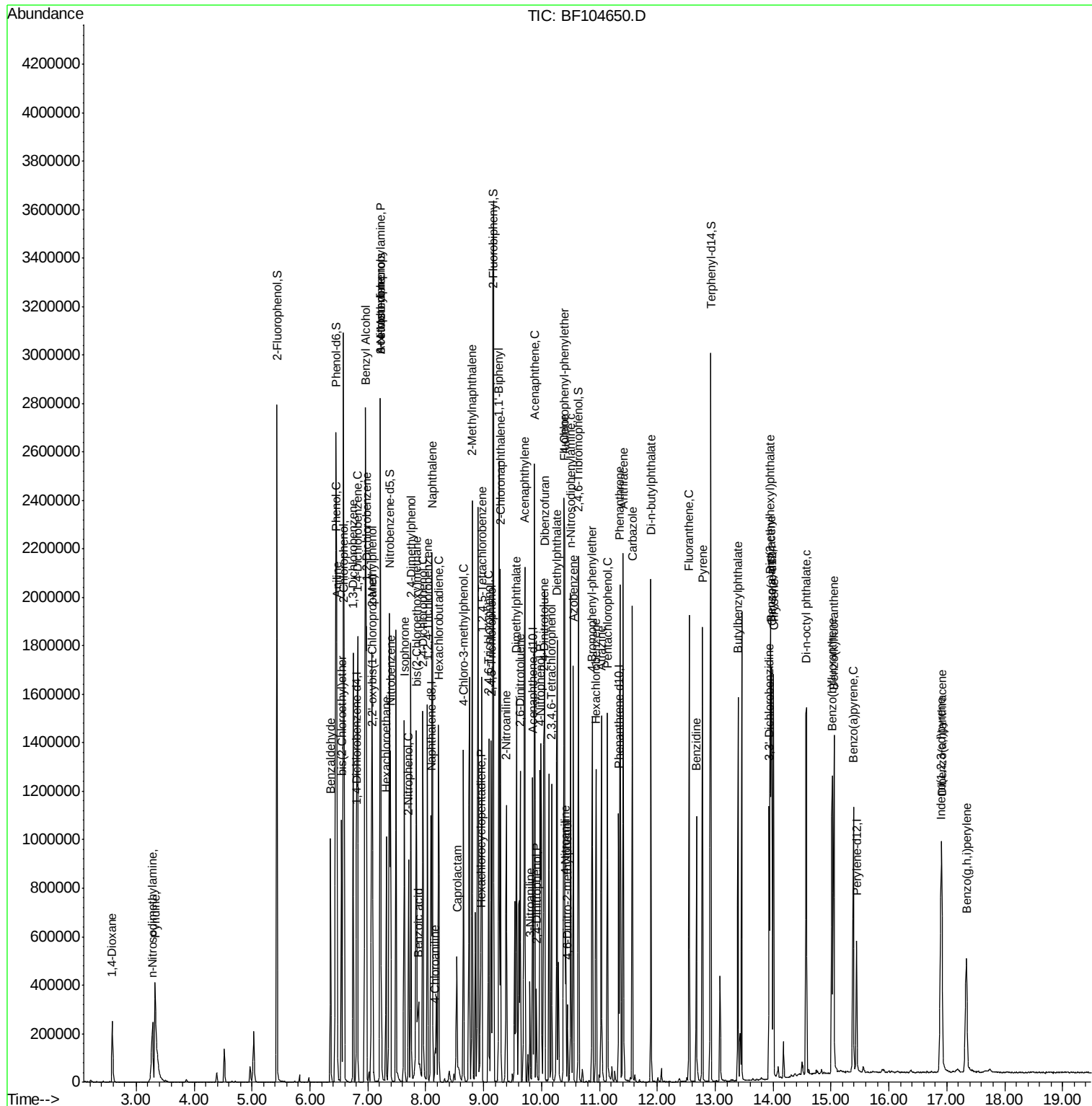
Quant Time: Apr 20 02:22:37 2018  
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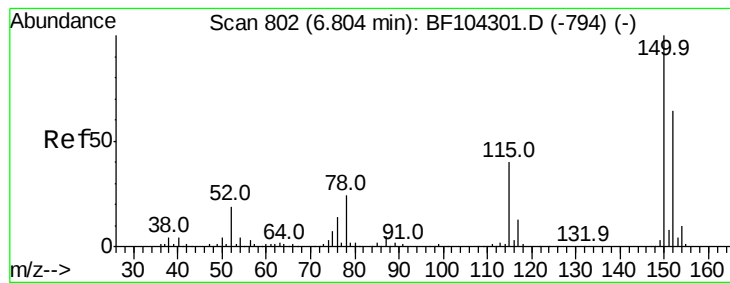
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.09  | 196  | 190696   | 41.436 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.13  | 196  | 203262   | 39.469 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.27  | 154  | 762080   | 39.170 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.29  | 162  | 596417   | 38.811 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.39  | 65   | 181187   | 47.676 | ng    | 98       |
| 48) Acenaphthylene             | 9.71  | 152  | 881159   | 36.546 | ng    | 99       |
| 49) Dimethylphthalate          | 9.57  | 163  | 732065   | 40.085 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 153824   | 45.519 | ng    | 96       |
| 51) Acenaphthene               | 9.88  | 154  | 511398   | 34.763 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 64358    | 16.267 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 9.91  | 184  | 48683    | 44.944 | ng    | # 24     |
| 54) Dibenzofuran               | 10.05 | 168  | 772892   | 37.700 | ng    | 98       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 234744   | 75.535 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 188335   | 42.487 | ng    | # 99     |
| 57) Fluorene                   | 10.40 | 166  | 583015   | 39.070 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 150383   | 39.141 | ng    | 94       |
| 59) Diethylphthalate           | 10.27 | 149  | 693648   | 38.136 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204  | 276766   | 41.646 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 133664   | 34.554 | ng    | 90       |
| 62) Azobenzene                 | 10.55 | 77   | 631912   | 36.364 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 38348    | 25.300 | ng    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.51 | 169  | 532092   | 41.313 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.87 | 248  | 169246   | 42.835 | ng    | 95       |
| 67) Hexachlorobenzene          | 10.95 | 284  | 177055   | 39.824 | ng    | # 86     |
| 68) Atrazine                   | 11.03 | 200  | 172963   | 44.491 | ng    | 100      |
| 69) Pentachlorophenol          | 11.14 | 266  | 163510   | 59.448 | ng    | 99       |
| 70) Phenanthrene               | 11.36 | 178  | 785993   | 37.996 | ng    | 99       |
| 71) Anthracene                 | 11.41 | 178  | 800886   | 38.087 | ng    | 100      |
| 72) Carbazole                  | 11.57 | 167  | 738121   | 35.922 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 995422   | 39.657 | ng    | 99       |
| 74) Fluoranthene               | 12.55 | 202  | 739799   | 34.229 | ng    | 97       |
| 76) Benzidine                  | 12.67 | 184  | 393431   | 45.017 | ng    | 98       |
| 77) Pyrene                     | 12.78 | 202  | 741415   | 37.474 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 366891   | 39.362 | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 642932   | 40.319 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 216589   | 36.429 | ng    | 97       |
| 82) Chrysene                   | 14.01 | 228  | 612877   | 37.41  |       |          |

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :  
BNA\_F  
ClientSampleId :

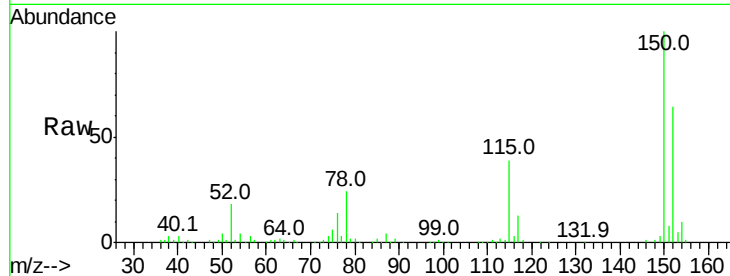
Tot Ion:152 Resp: 134889

Ion Ratio Lower Upper

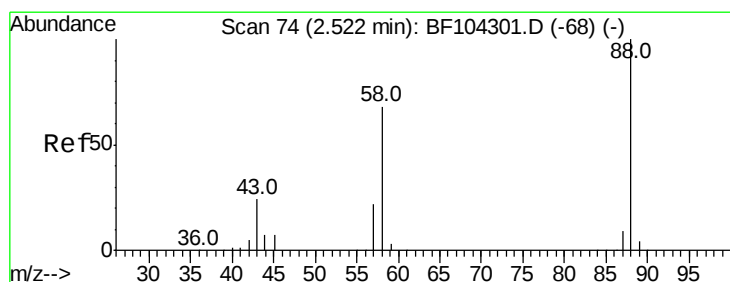
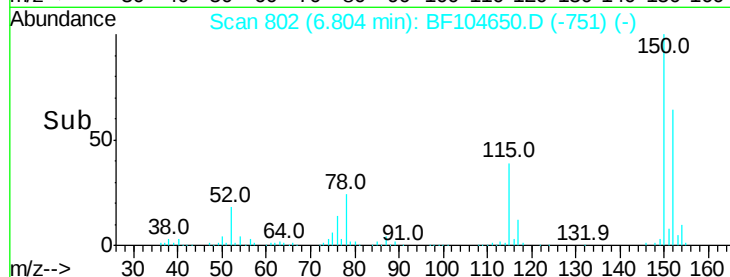
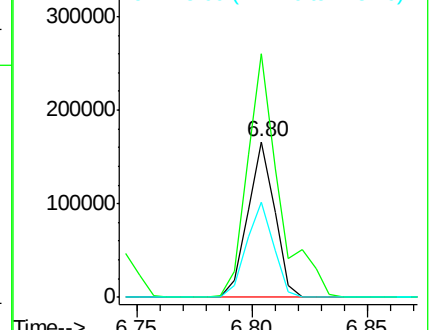
152 100

150 156.3 124.6 186.8

115 61.3 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: 31.922 ng

RT: 2.59 min Scan# 85

Delta R.T. 0.07 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

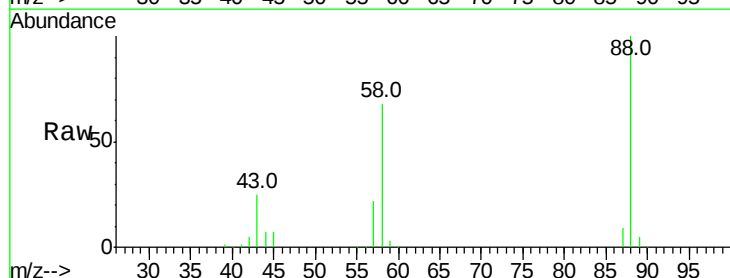
Tgt Ion: 88 Resp: 131218

Ion Ratio Lower Upper

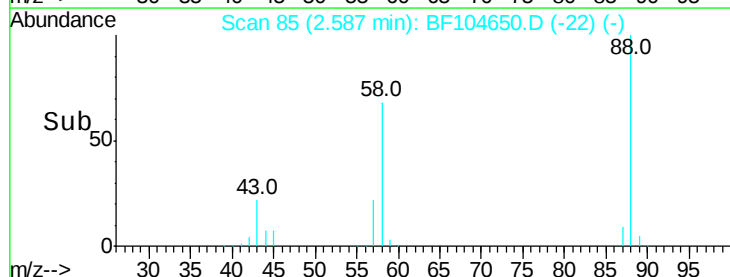
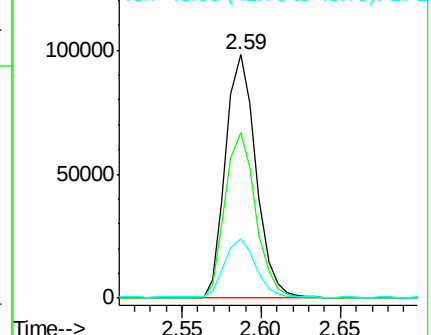
88 100

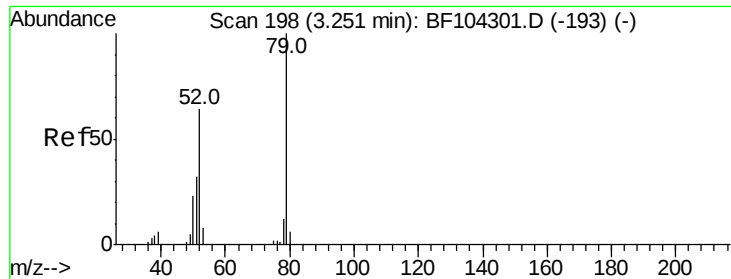
58 68.5 62.6 93.8

43 24.6 24.6 37.0#



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





#3

Pvridine

Concen: 32.430 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.07 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

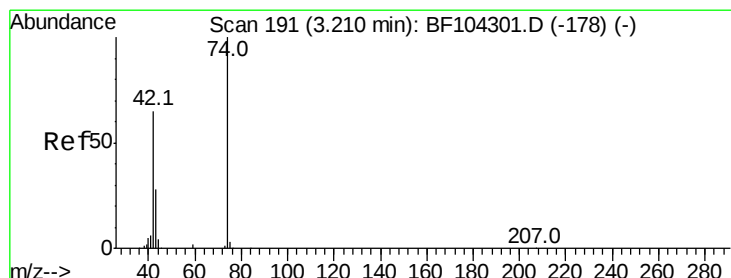
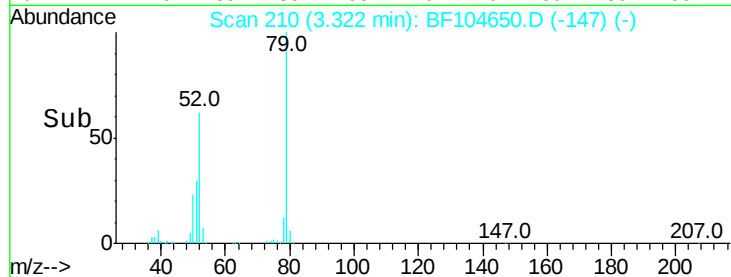
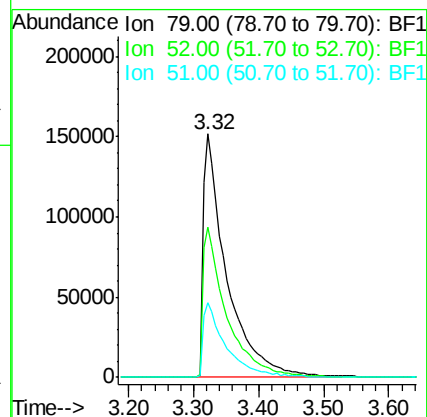
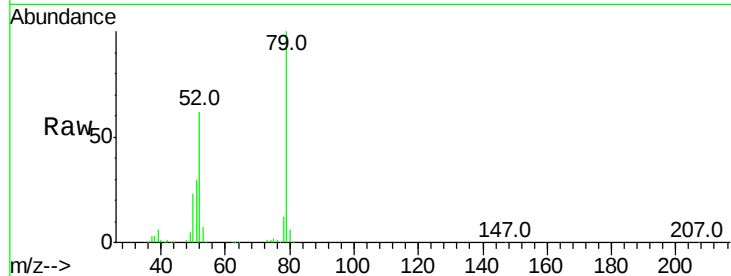
Tot Ion: 79 Resp: 374792

Ion Ratio Lower Upper

79 100

52 61.9 59.8 89.6

51 30.5 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 36.198 ng

RT: 3.28 min Scan# 203

Delta R.T. 0.05 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

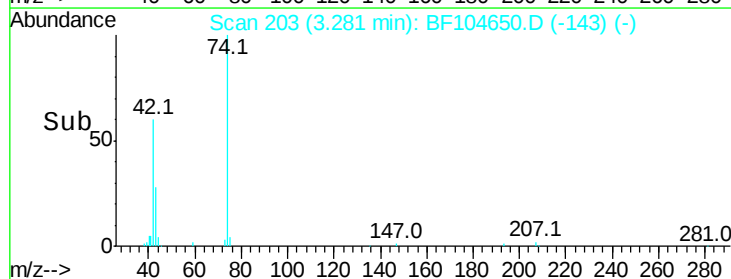
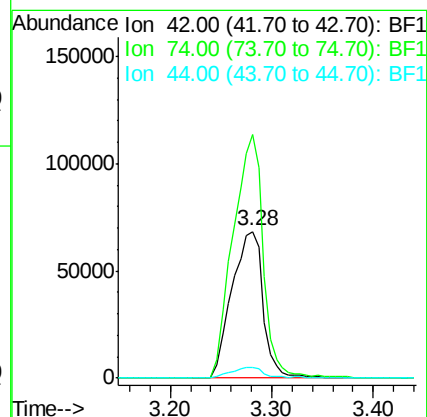
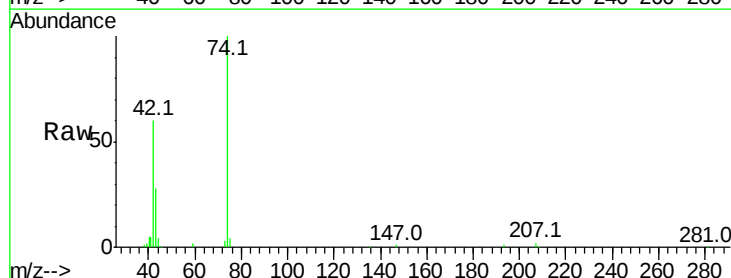
Tgt Ion: 42 Resp: 146235

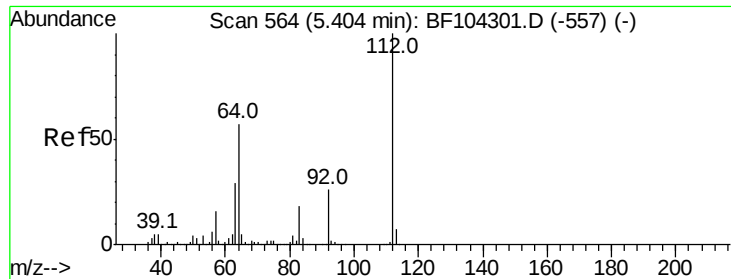
Ion Ratio Lower Upper

42 100

74 166.3 104.9 157.3#

44 7.0 6.9 10.3





#5

2-Fluorophenol

Concen: 106.819 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampled :

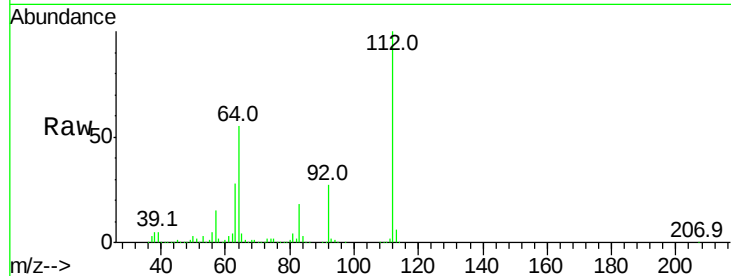
Tot Ion:112 Resp: 942325

Ion Ratio Lower Upper

112 100

64 54.6 47.9 71.9

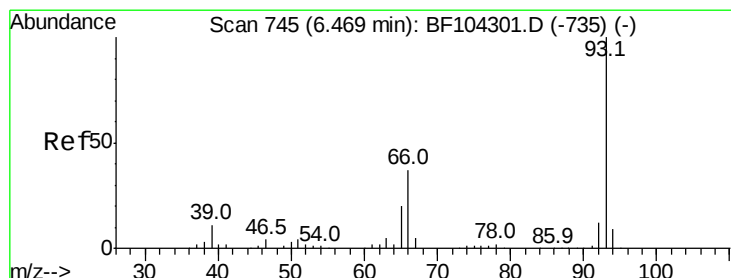
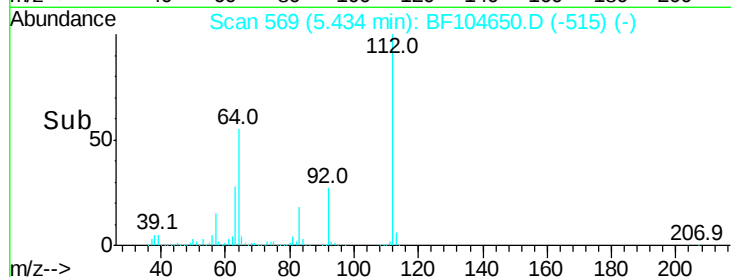
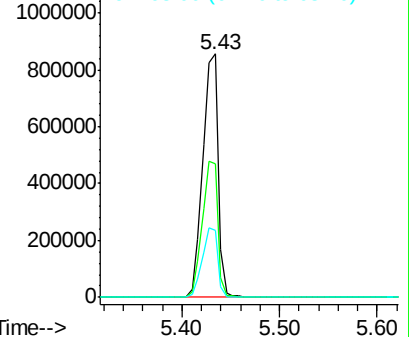
63 27.7 23.7 35.5



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



#6

Aniline

Concen: 8.381 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

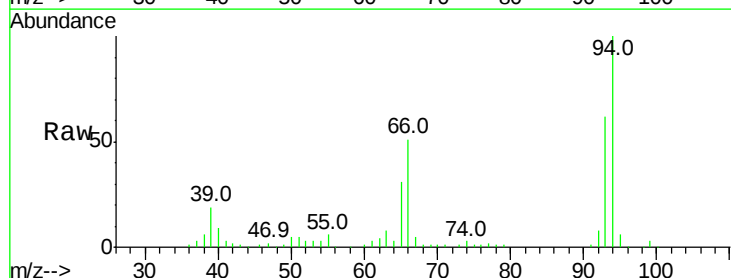
Tgt Ion: 93 Resp: 126207

Ion Ratio Lower Upper

93 100

66 83.1 32.2 48.2#

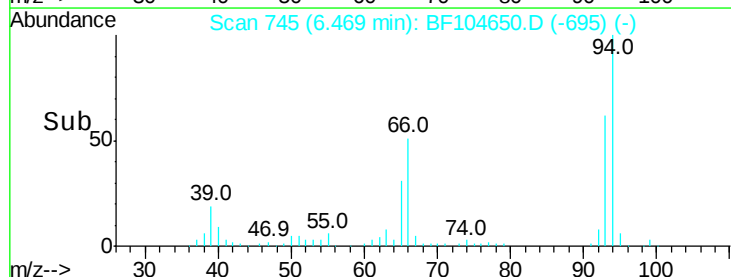
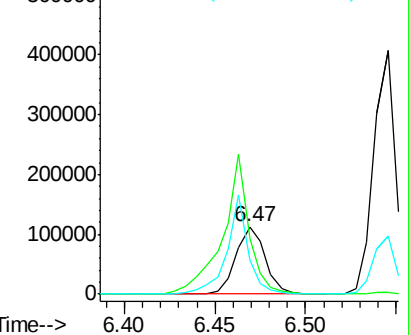
65 50.9 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.125 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

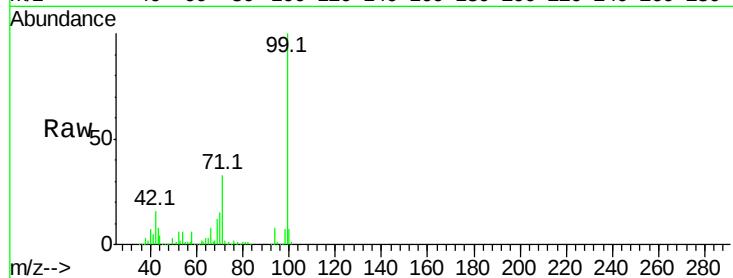
Tot Ion: 99 Resp: 1171974

Ion Ratio Lower Upper

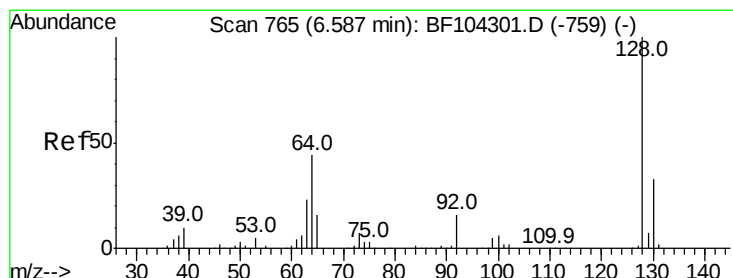
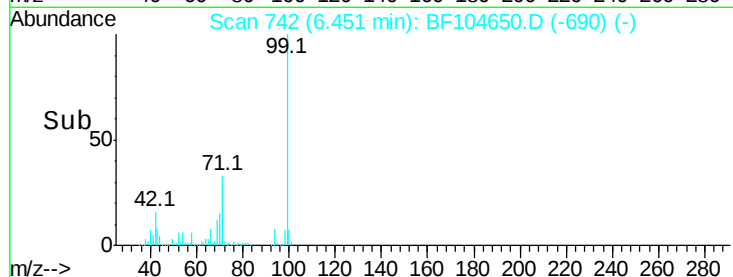
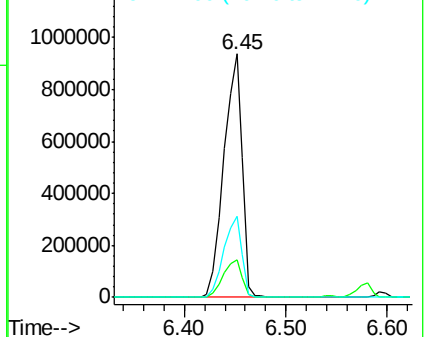
99 100

42 15.7 14.5 21.7

71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.333 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

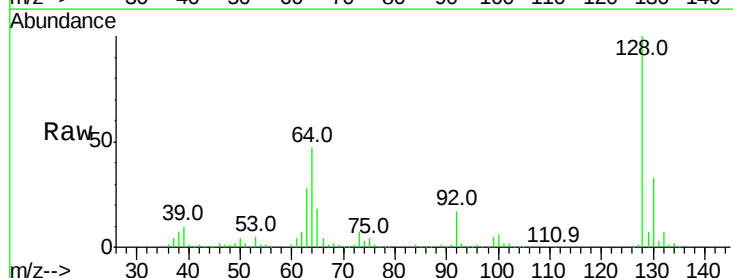
Tgt Ion:128 Resp: 356922

Ion Ratio Lower Upper

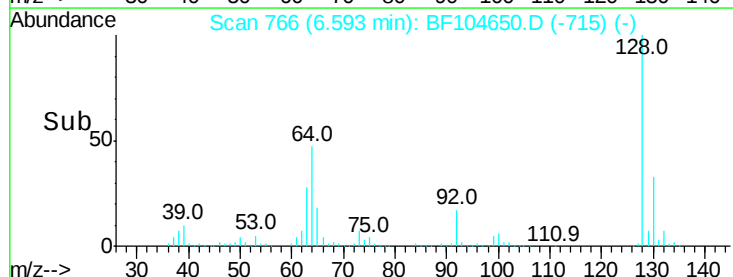
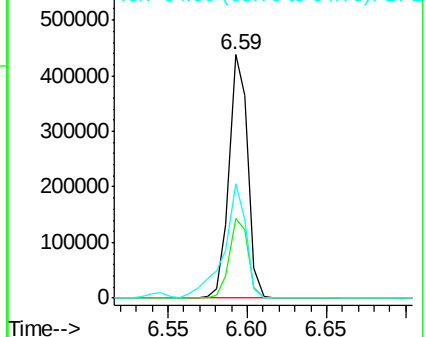
128 100

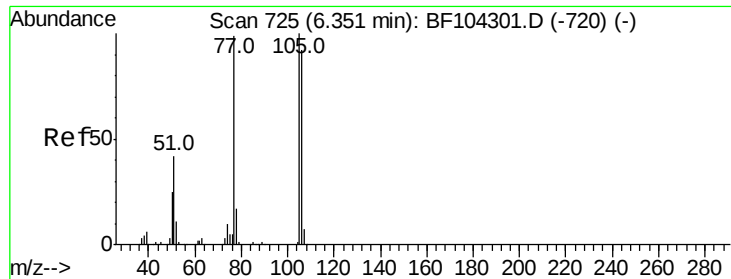
130 32.7 13.0 53.0

64 46.9 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: 35.690 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

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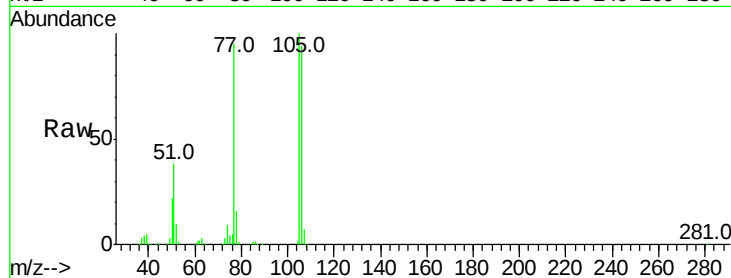
Tot Ion: 77 Resp: 202775

Ion Ratio Lower Upper

77 100

105 104.9 81.1 121.1

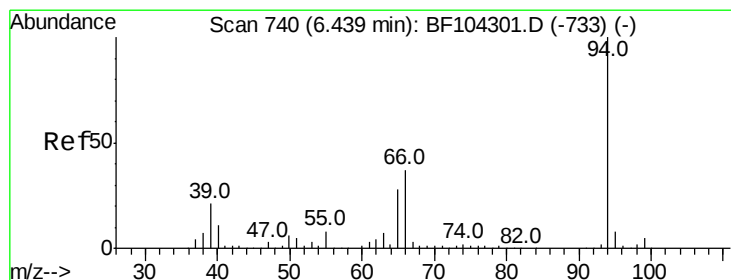
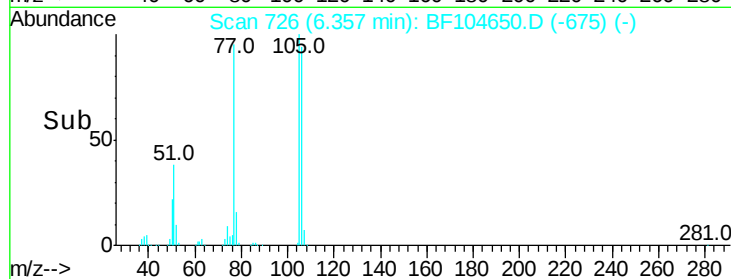
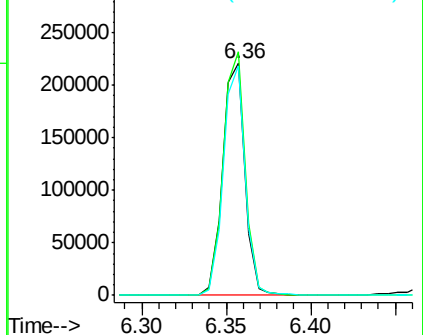
106 99.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 35.544 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

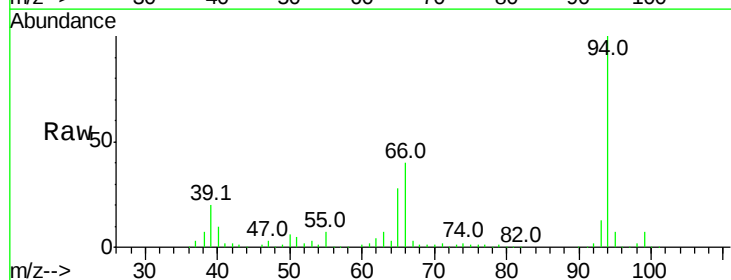
Tgt Ion: 94 Resp: 408780

Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

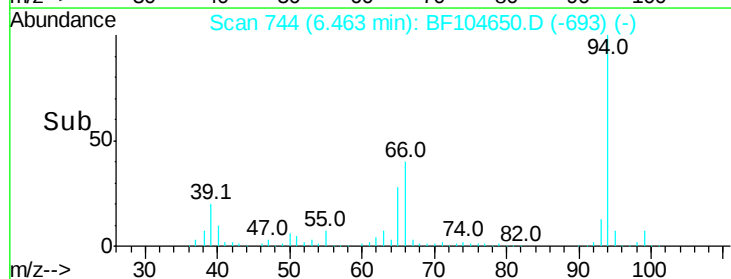
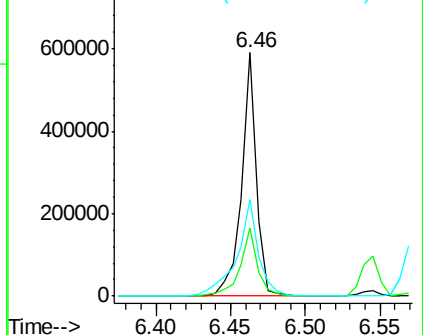
66 39.7 16.2 56.2

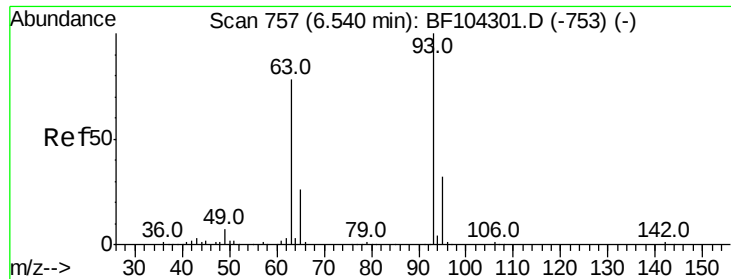


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 36.516 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

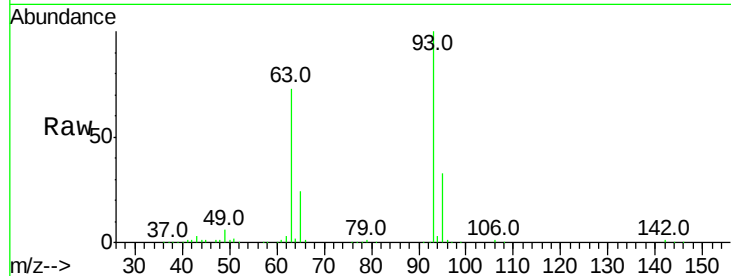
Tot Ion: 93 Resp: 335129

Ion Ratio Lower Upper

93 100

63 72.8 58.6 98.6

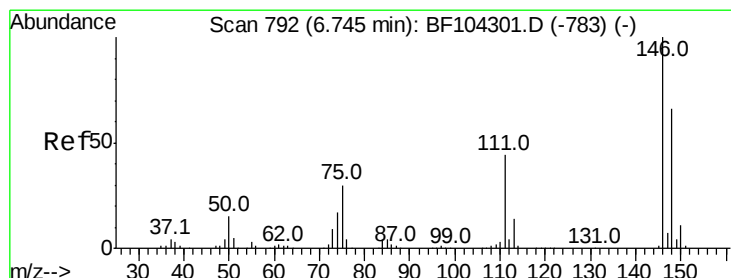
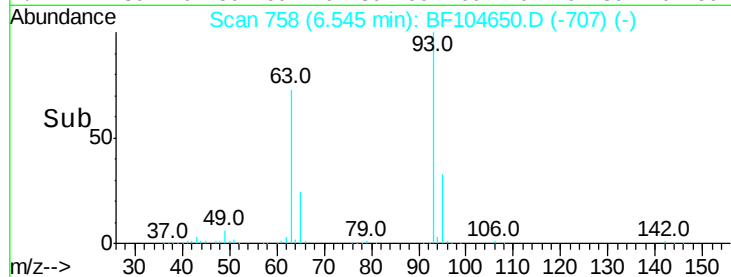
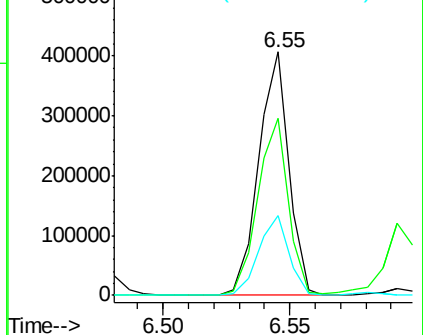
95 32.9 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 35.504 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

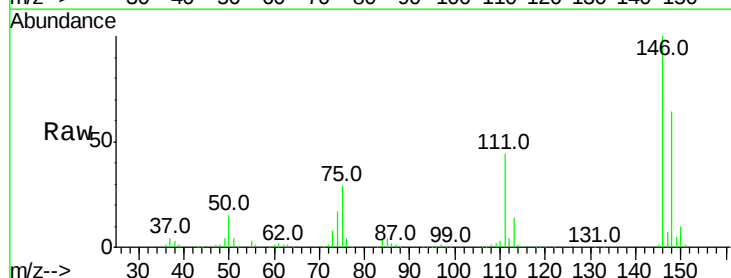
Tgt Ion: 146 Resp: 374506

Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.8

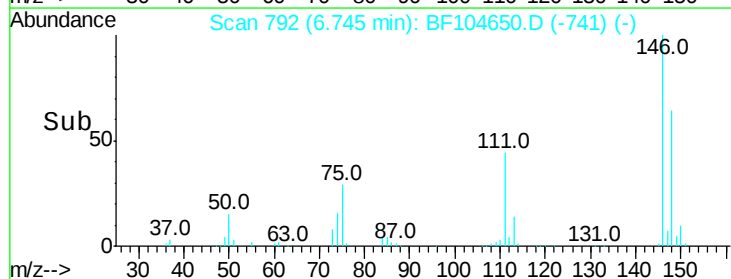
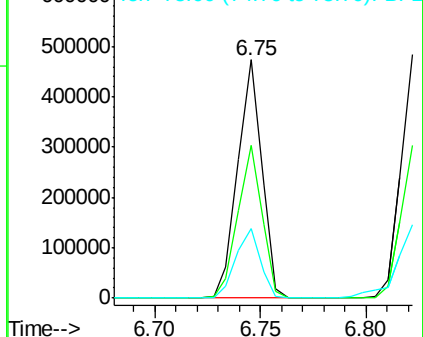
75 29.2 24.2 36.4

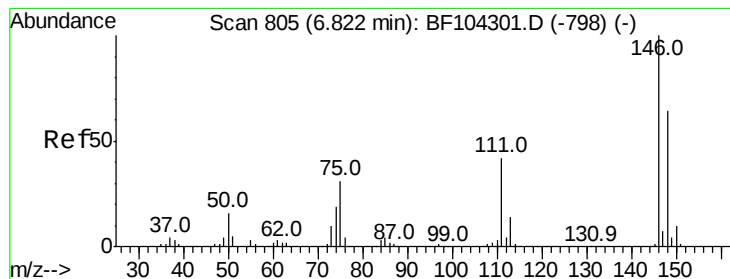


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 36.260 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

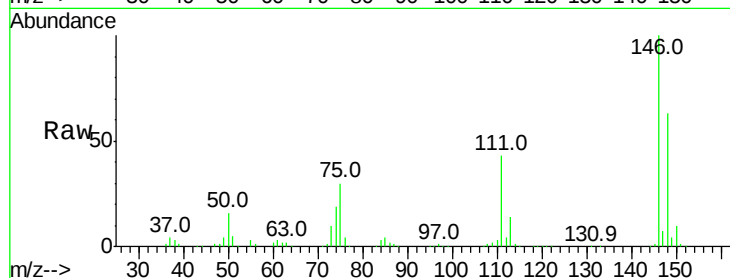
Tot Ion:146 Resp: 381277

Ion Ratio Lower Upper

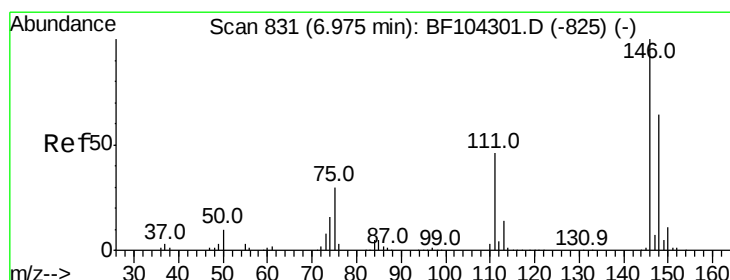
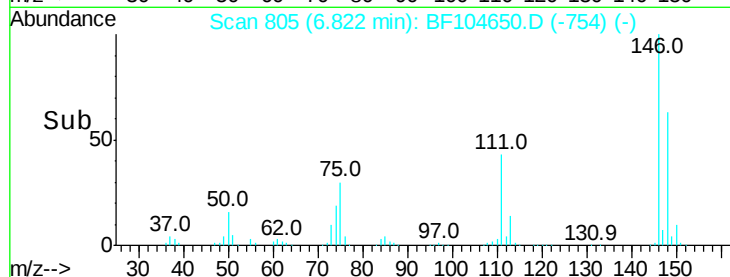
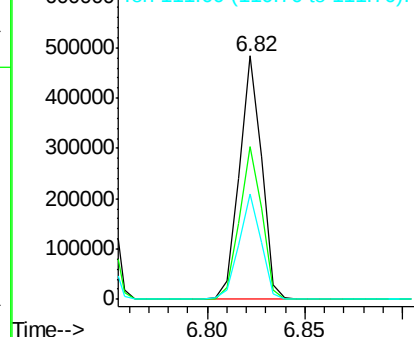
146 100

148 62.7 50.8 76.2

111 43.0 34.2 51.2



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



#14

1,2-Dichlorobenzene

Concen: 35.928 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

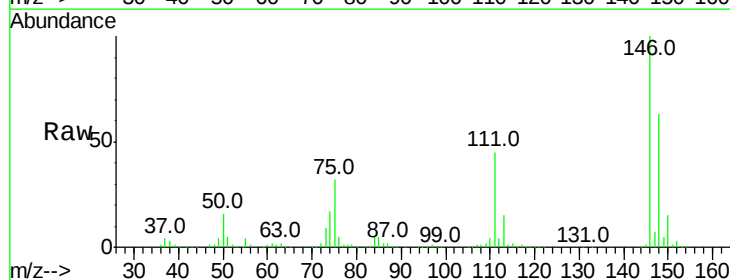
Tgt Ion:146 Resp: 350090

Ion Ratio Lower Upper

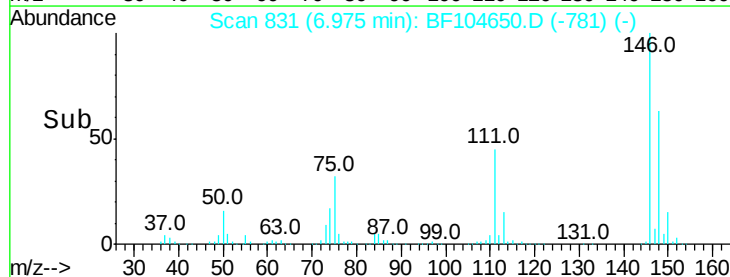
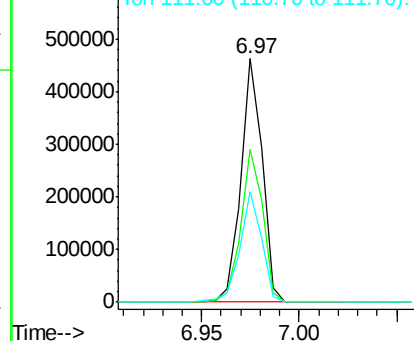
146 100

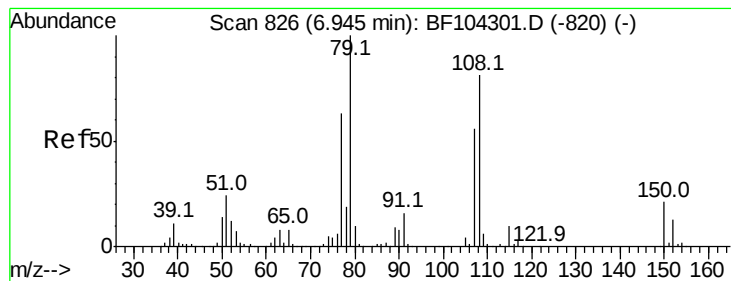
148 62.9 50.6 75.8

111 45.4 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 35.146 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :  
BNA\_F  
ClientSampled :

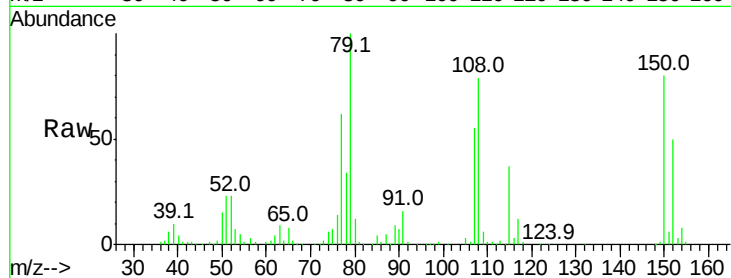
Tot Ion: 79 Resp: 289341

Ion Ratio Lower Upper

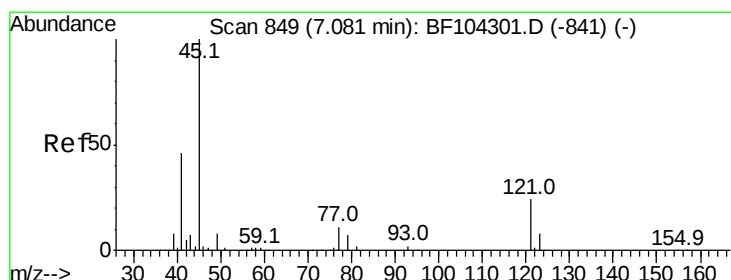
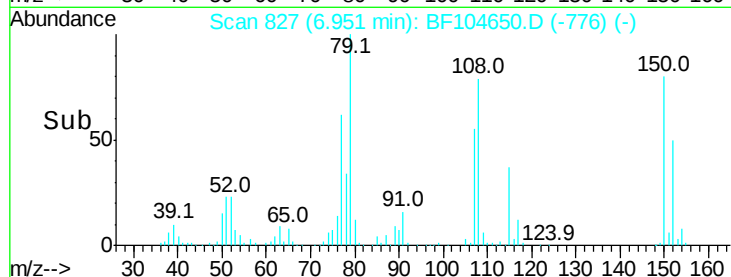
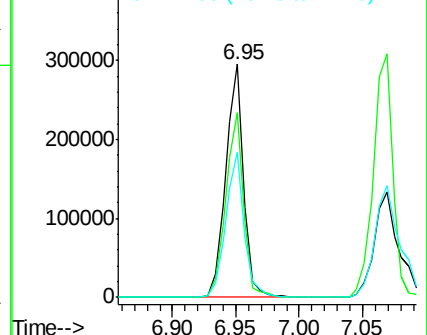
79 100

108 79.2 65.1 97.7

77 62.1 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: 34.505 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

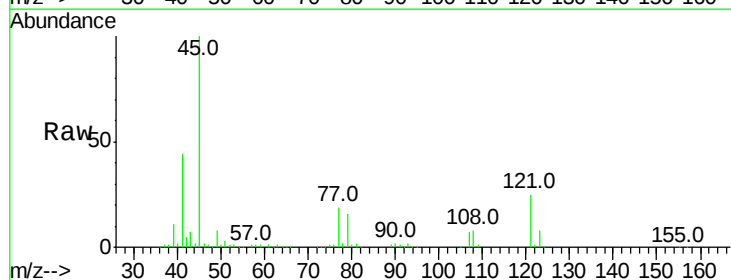
Tgt Ion: 45 Resp: 425272

Ion Ratio Lower Upper

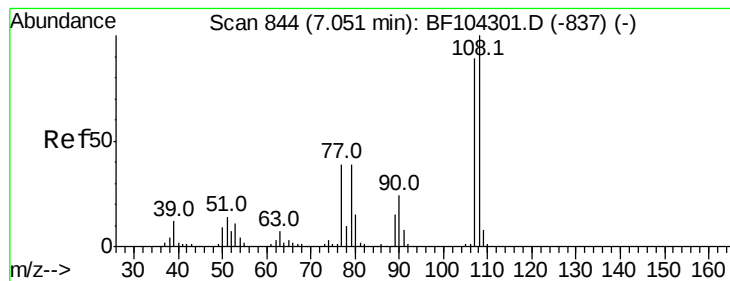
45 100

77 18.5 0.0 32.9

79 15.6 0.0 29.6



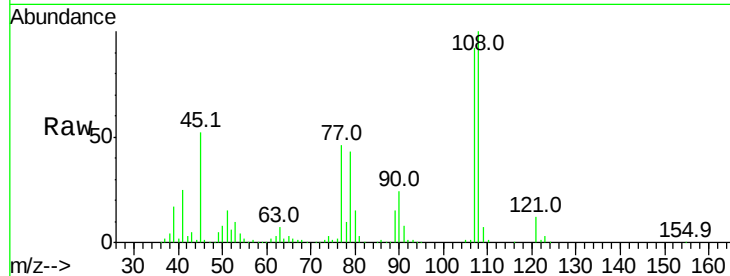
Abundance Ion 45.00 (



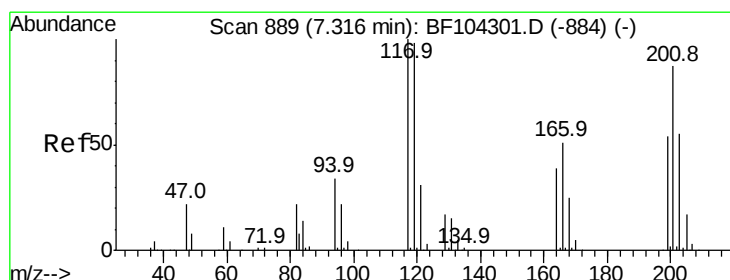
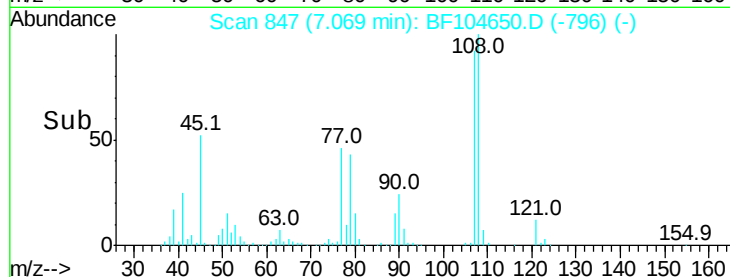
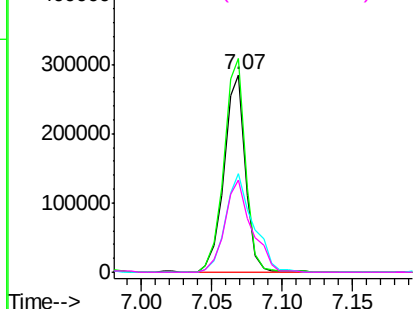
#17  
2-Methylphenol  
Concen: 37.128 ng  
RT: 7.07 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:107 Resp: 300502  
Ion Ratio Lower Upper  
107 100  
108 108.3 91.7 137.5  
77 49.7 33.8 50.8  
79 46.8 33.8 50.8

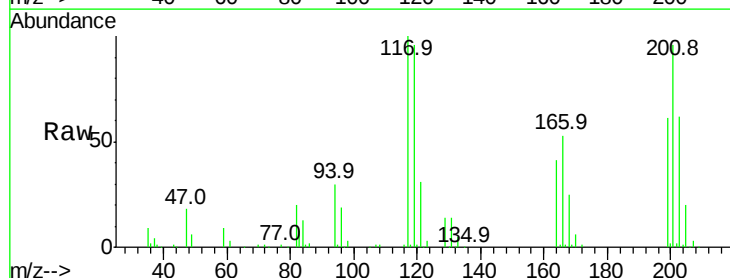


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

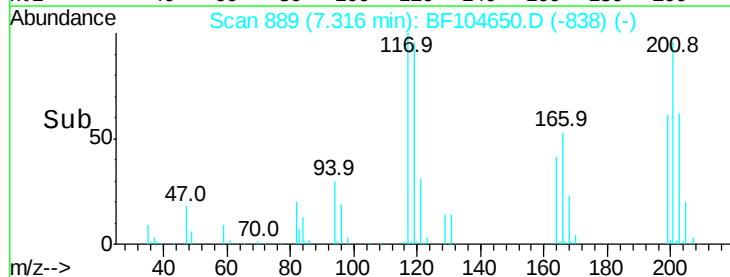
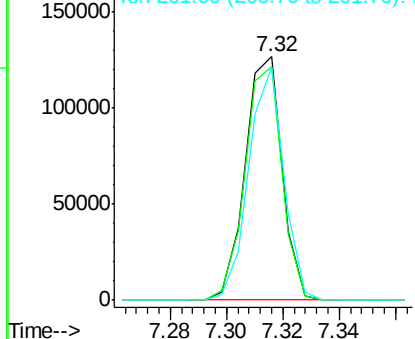


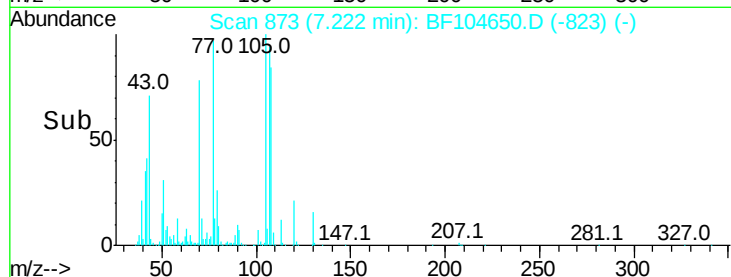
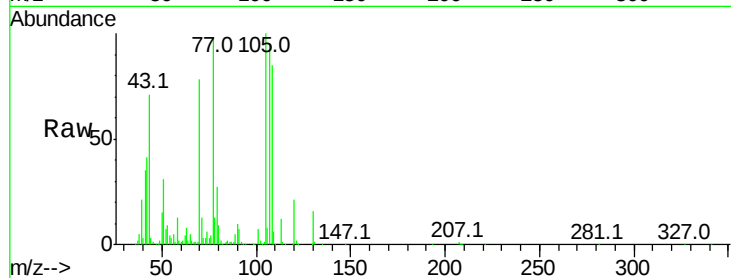
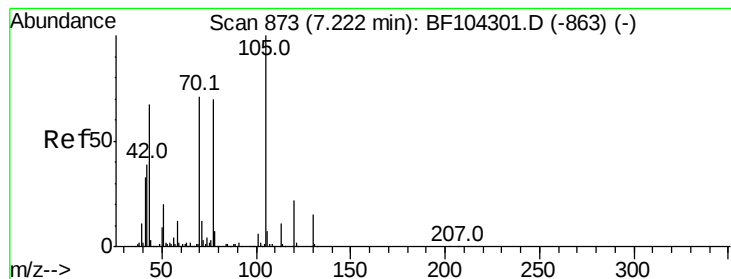
#18  
Hexachloroethane  
Concen: 30.610 ng  
RT: 7.32 min Scan# 889  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion:117 Resp: 114757  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.8 113.8  
201 95.7 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: 32.570 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 230692

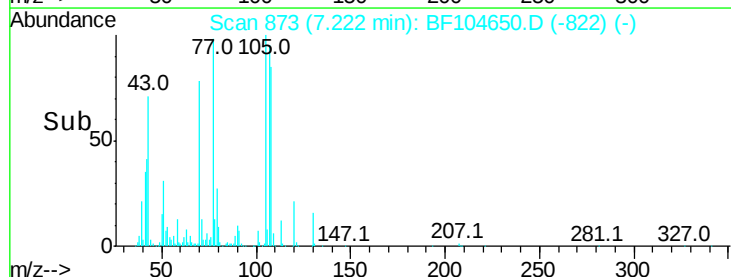
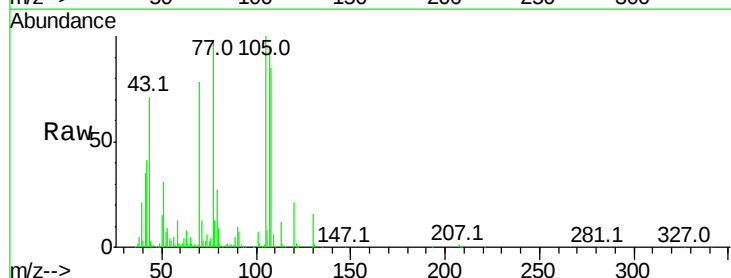
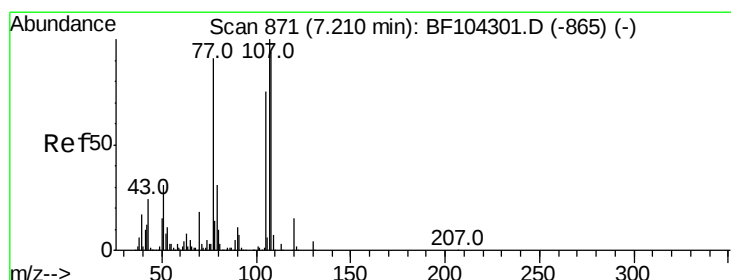
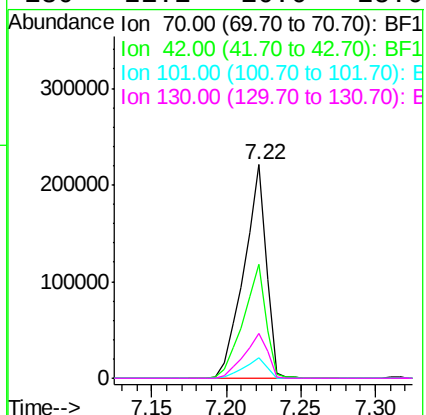
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 9.6 7.4 11.2

130 21.1 16.6 25.0



#20

3+4-Methylphenols

Concen: 36.333 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Tgt Ion:107 Resp: 364711

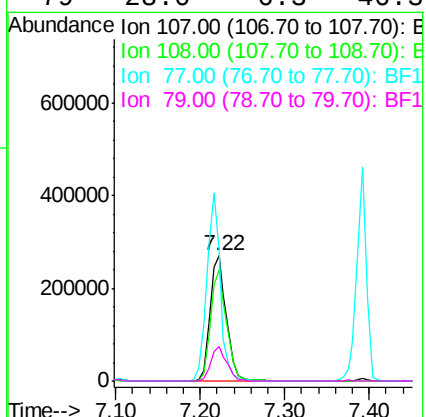
Ion Ratio Lower Upper

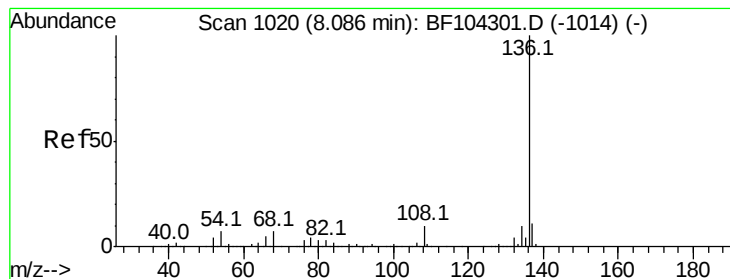
107 100

108 89.6 68.2 108.2

77 103.4 26.7 66.7#

79 28.0 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 540196

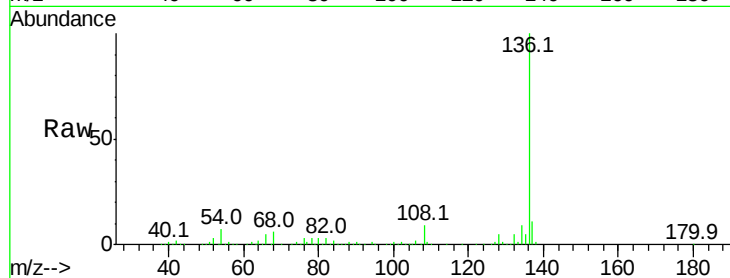
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8

68 5.8 5.0 7.4

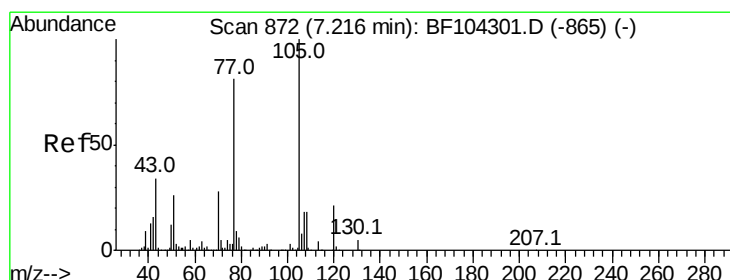
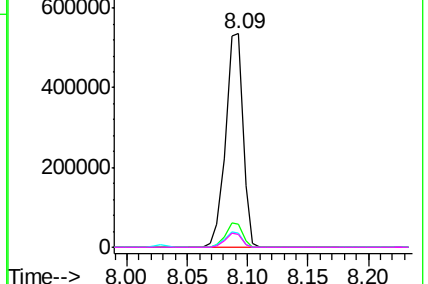
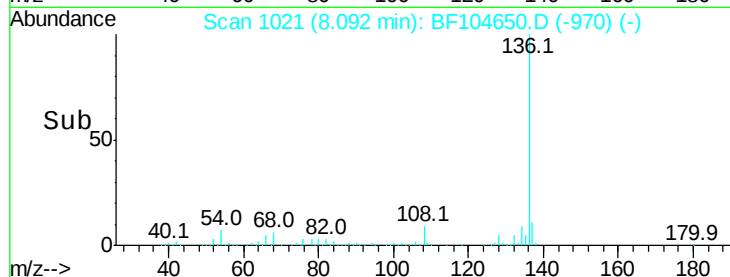


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 35.316 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Tgt Ion:105 Resp: 469679

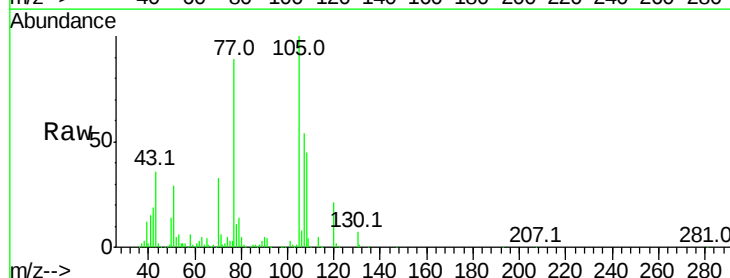
Ion Ratio Lower Upper

105 100

71 5.7 4.4 6.6

51 28.6 22.3 33.5

120 21.0 16.9 25.3

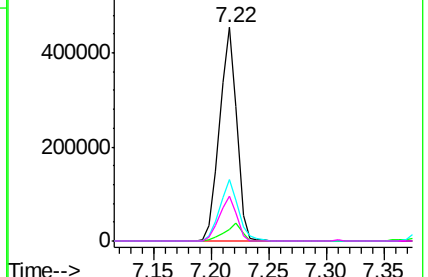
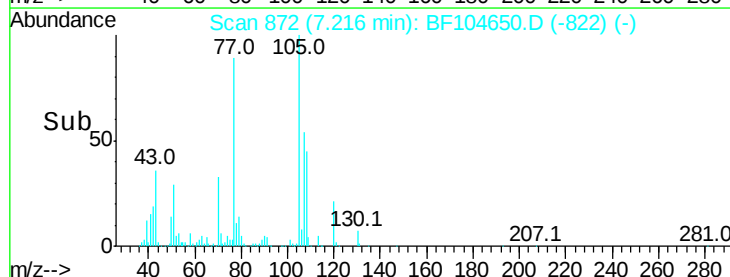


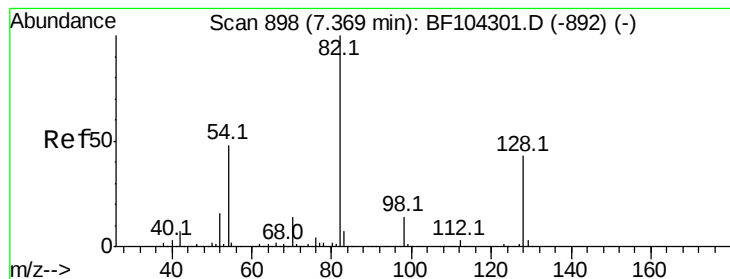
Abundance Ion 105.00 (104.70 to 105.70): E

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: 90.164 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampled :

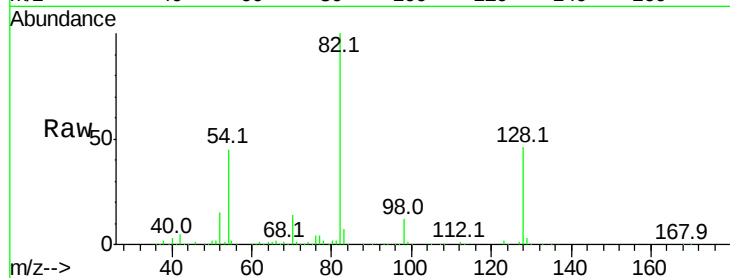
Tot Ion: 82 Resp: 745904

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

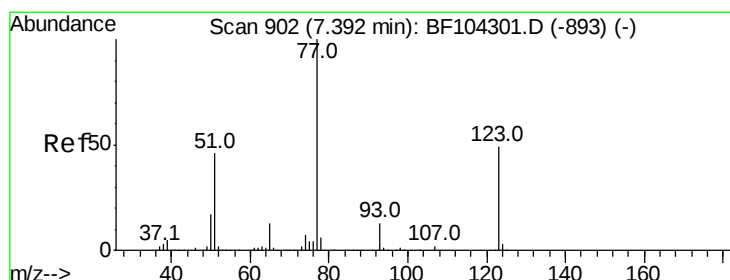
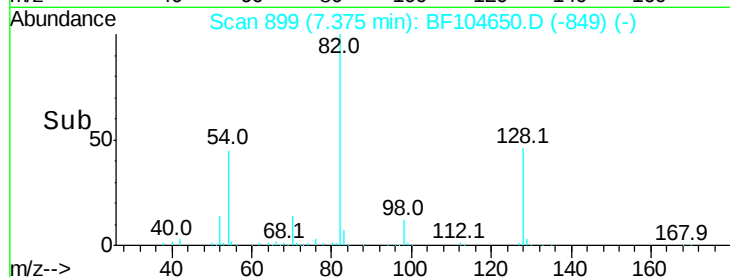
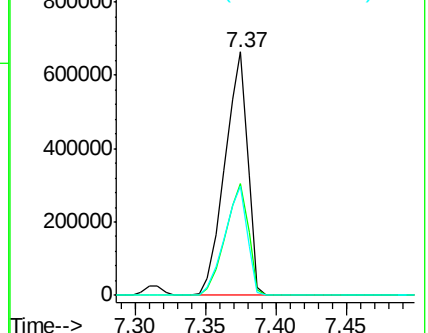
54 44.7 41.4 62.2



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: 39.699 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

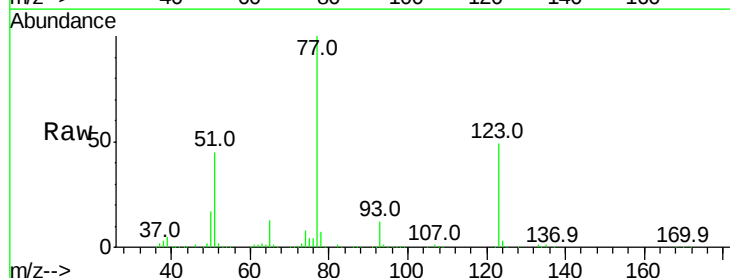
Tgt Ion: 77 Resp: 362600

Ion Ratio Lower Upper

77 100

123 49.3 37.9 56.9

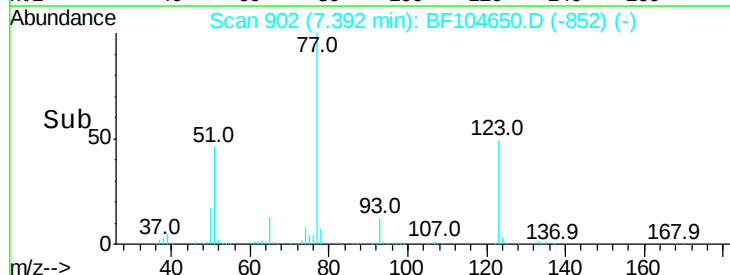
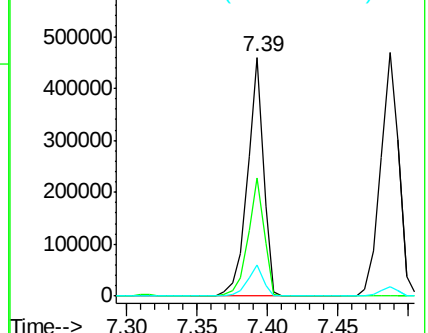
65 13.0 11.0 16.4

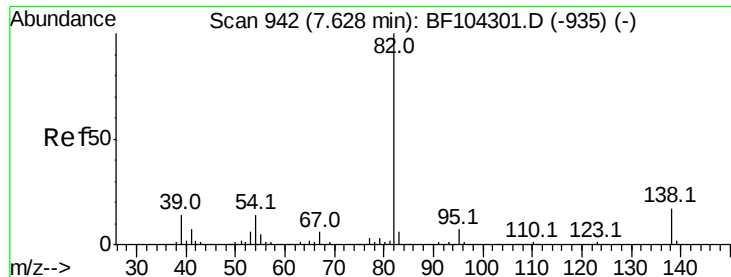


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 37.835 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

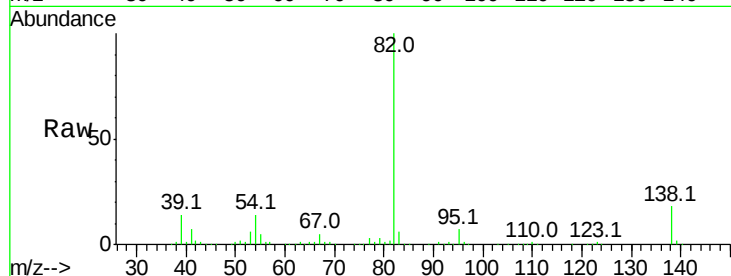
Tot Ion: 82 Resp: 661889

Ion Ratio Lower Upper

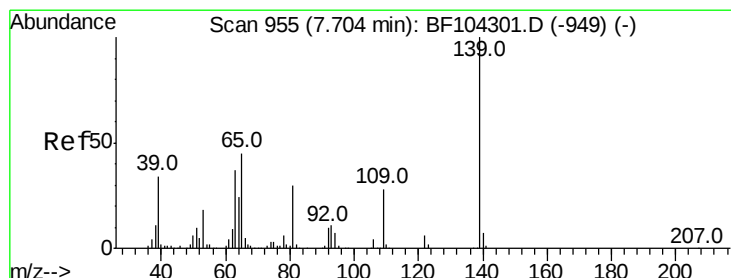
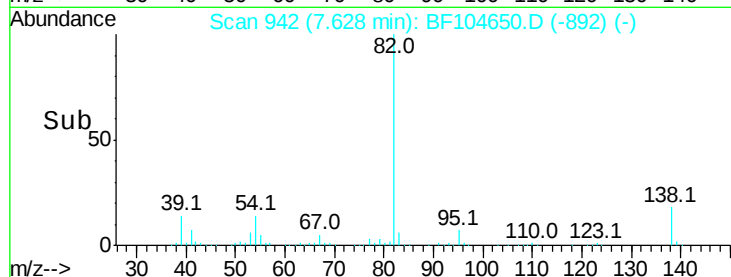
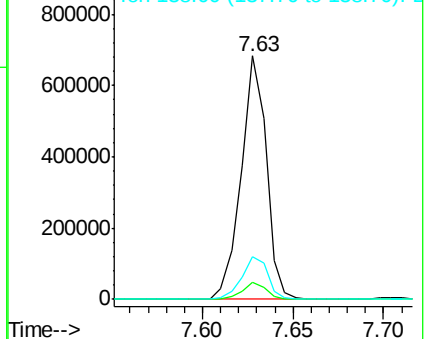
82 100

95 7.2 5.2 7.8

138 17.6 14.9 22.3



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



#26

2-Nitrophenol

Concen: 48.970 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

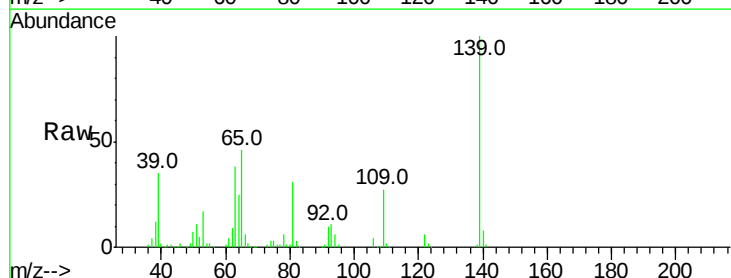
Tgt Ion: 139 Resp: 182089

Ion Ratio Lower Upper

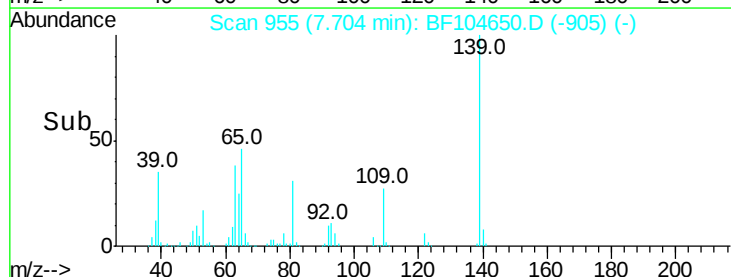
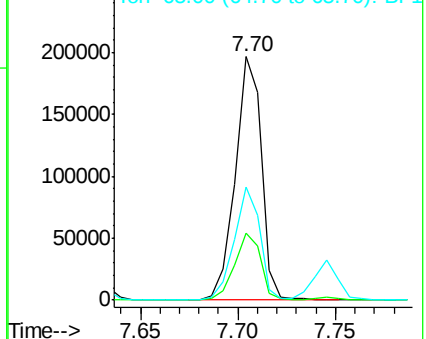
139 100

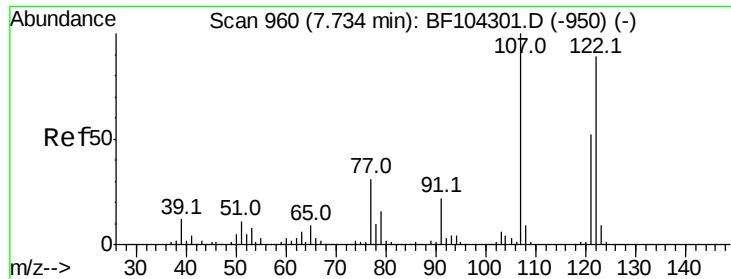
109 27.4 22.7 34.1

65 46.5 40.5 60.7



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

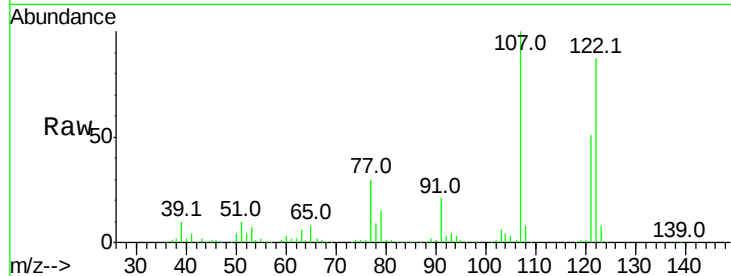




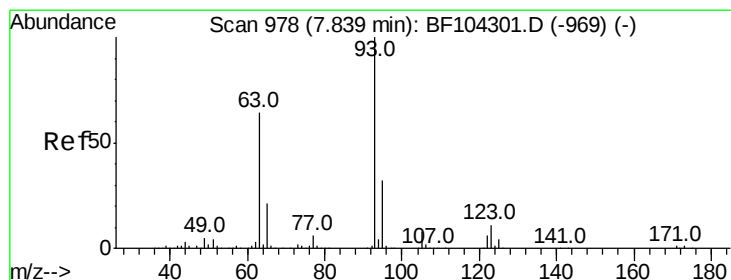
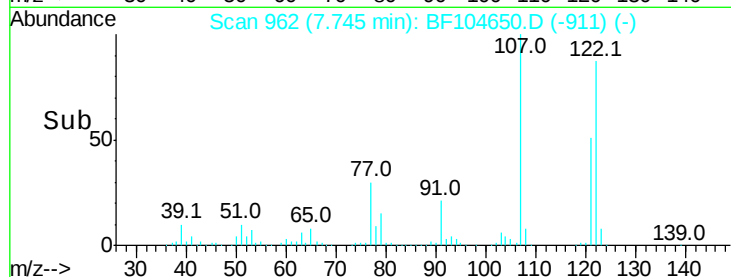
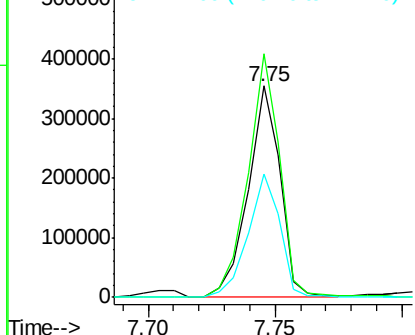
#27  
 2,4-Dimethylphenol  
 Concen: 40.400 ng  
 RT: 7.75 min Scan# 962  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:122 Resp: 311911  
 Ion Ratio Lower Upper  
 122 100  
 107 115.4 91.2 136.8  
 121 58.5 47.2 70.8

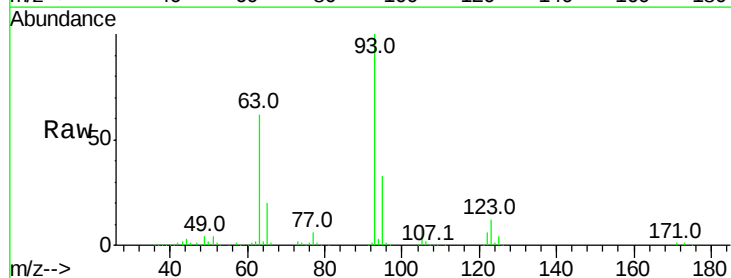


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

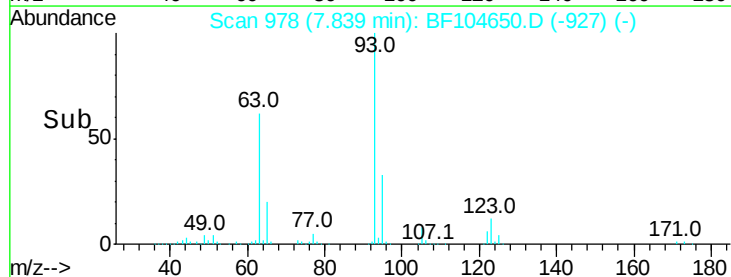
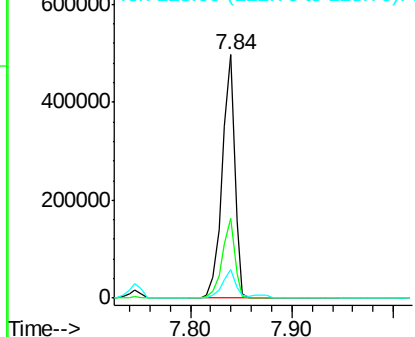


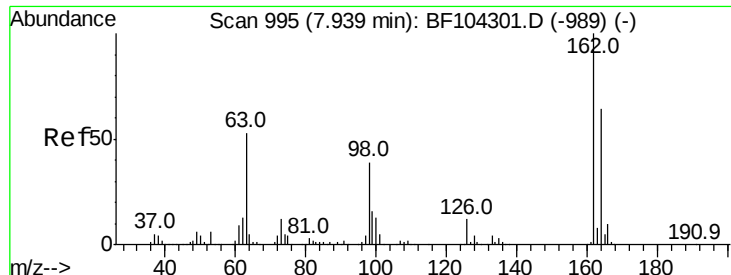
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.207 ng  
 RT: 7.84 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion: 93 Resp: 430054  
 Ion Ratio Lower Upper  
 93 100  
 95 32.9 26.3 39.5  
 123 11.7 9.8 14.6



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

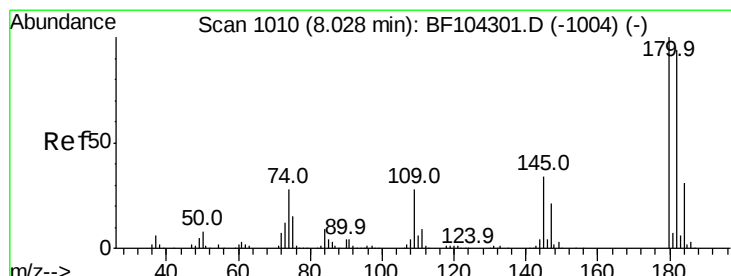
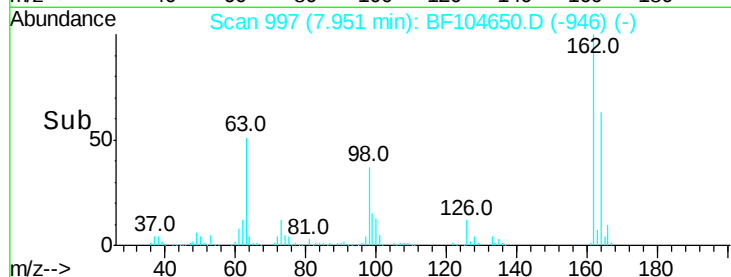
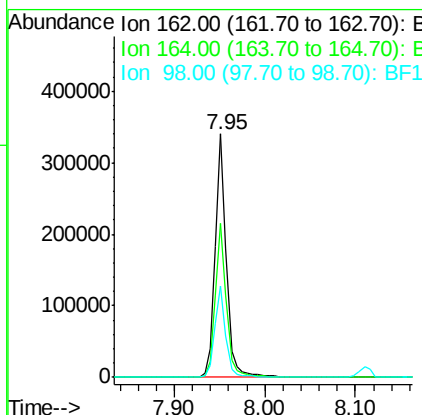
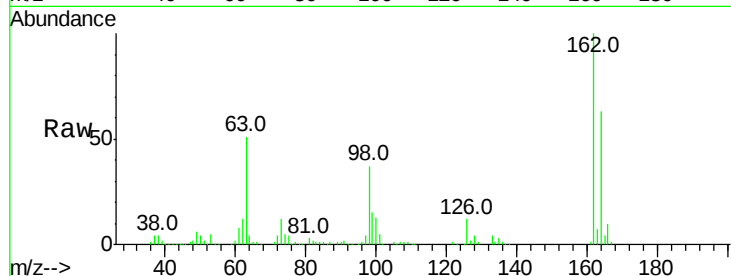




#29  
 2,4-Dichlorophenol  
 Concen: 39.951 ng  
 RT: 7.95 min Scan# 997  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

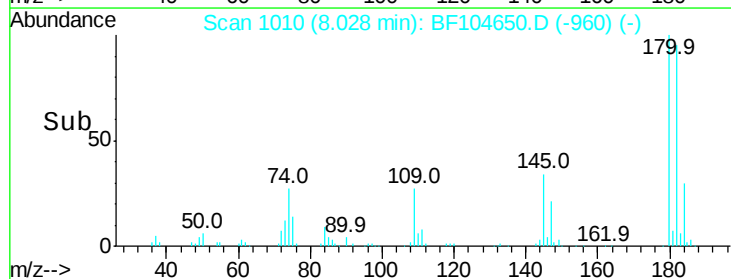
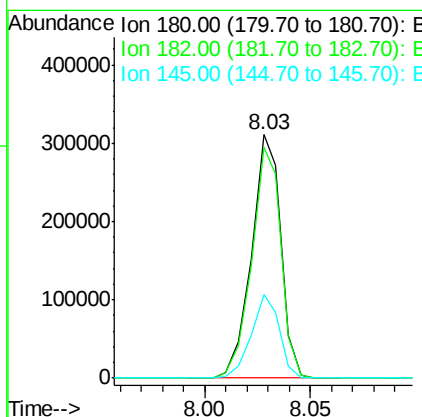
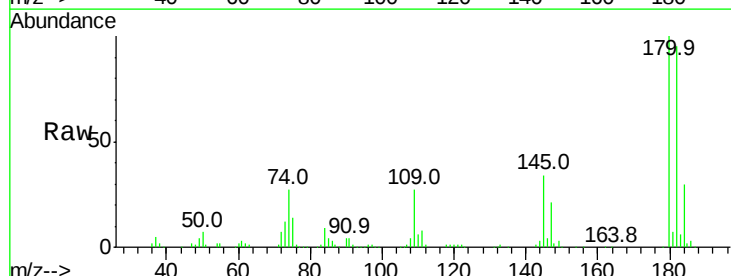
Instrument :  
 BNA\_F  
 ClientSampled :

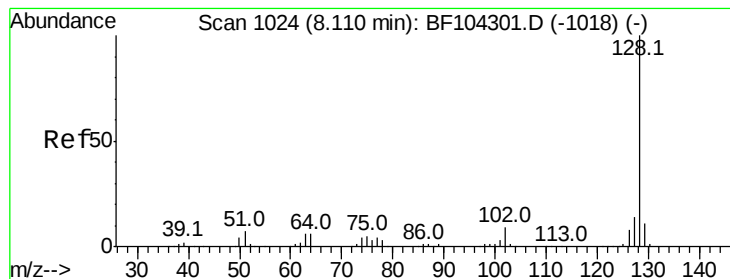
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 42.7  | 82.7  |
| 98      | 37.3  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.934 ng  
 RT: 8.03 min Scan# 1010  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 76.8  | 115.2 |
| 145     | 34.4  | 26.5  | 39.7  |





#31

Naphthalene

Concen: 36.883 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampled :

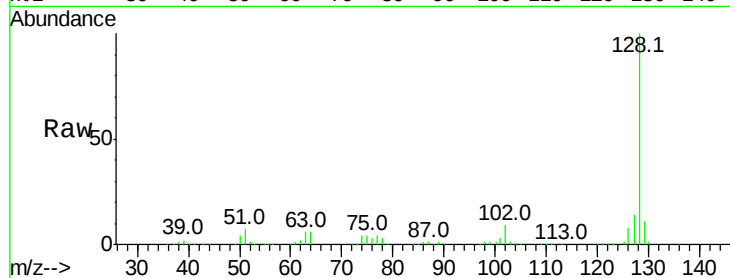
Tot Ion:128 Resp: 992110

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

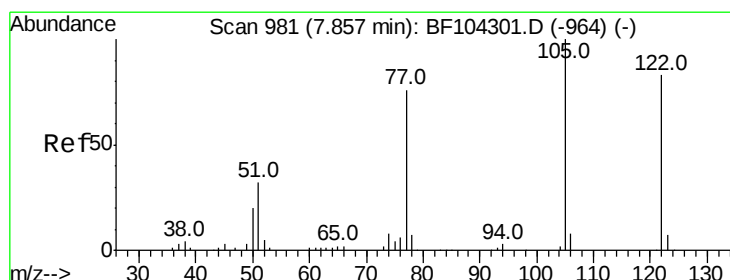
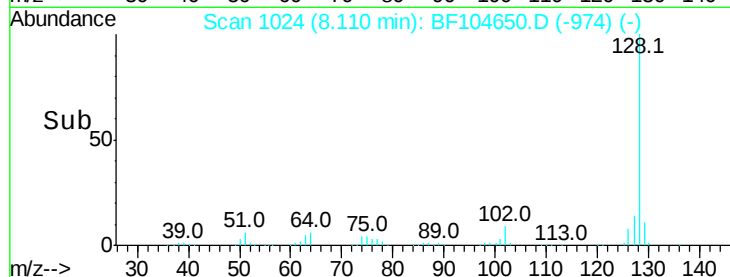
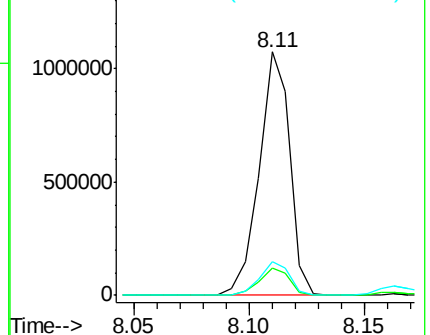
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.364 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

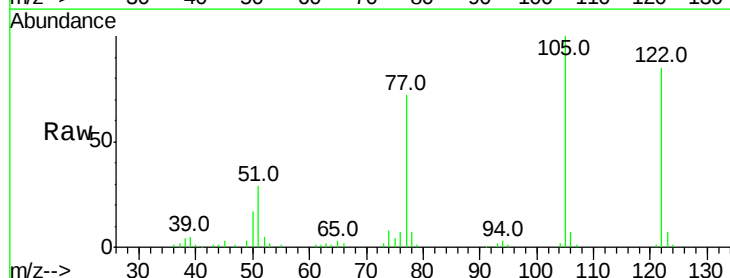
Tgt Ion:122 Resp: 211687

Ion Ratio Lower Upper

122 100

105 117.8 101.1 141.1

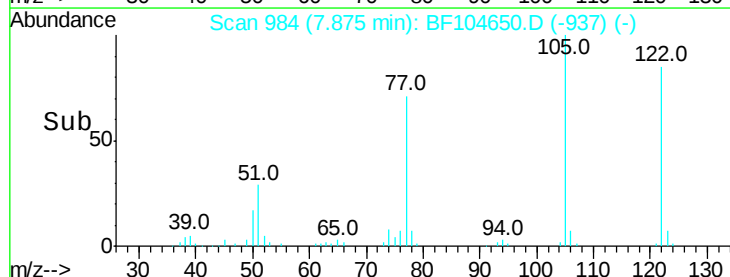
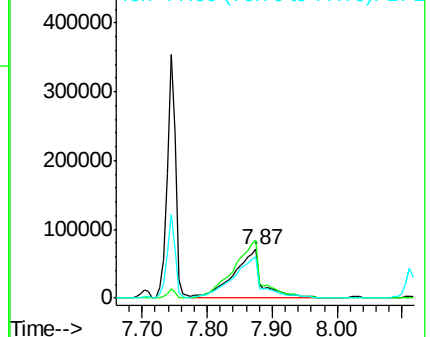
77 84.8 70.7 110.7

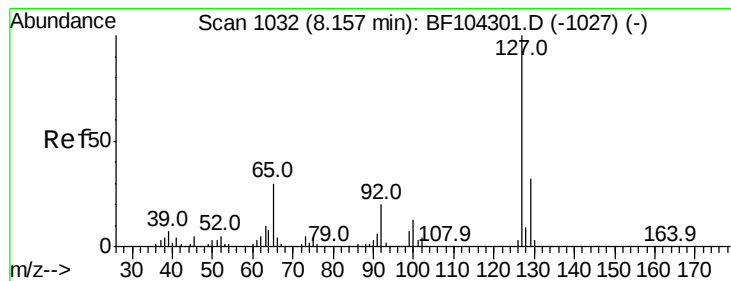


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 5.157 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 59430

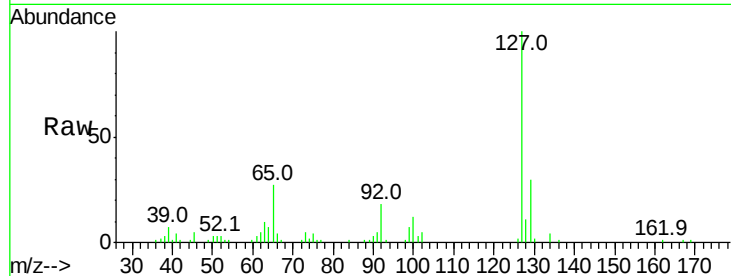
Ion Ratio Lower Upper

127 100

129 30.1 25.9 38.9

65 27.5 25.0 37.4

92 17.6 15.2 22.8

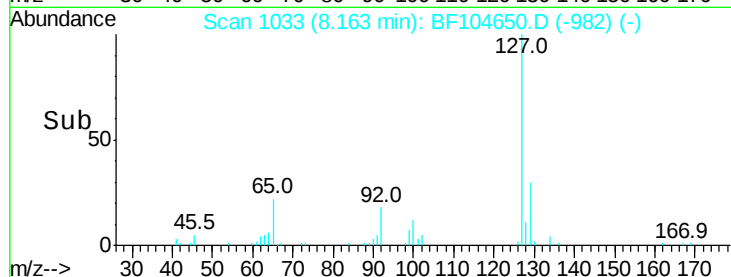


Abundance Ion 127.00 (126.70 to 127.70): E

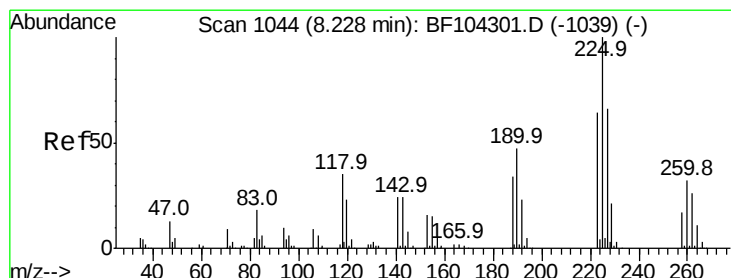
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



Time-->



#34

Hexachlorobutadiene

Concen: 36.750 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

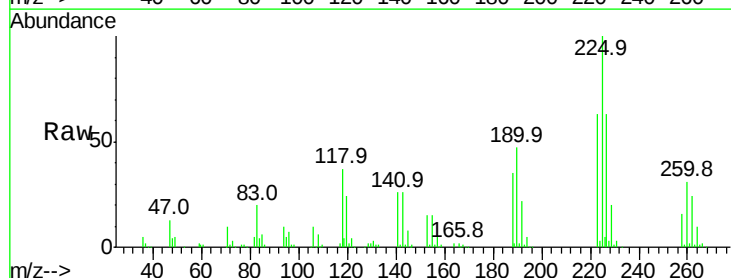
Tgt Ion:225 Resp: 162737

Ion Ratio Lower Upper

225 100

223 62.6 50.6 76.0

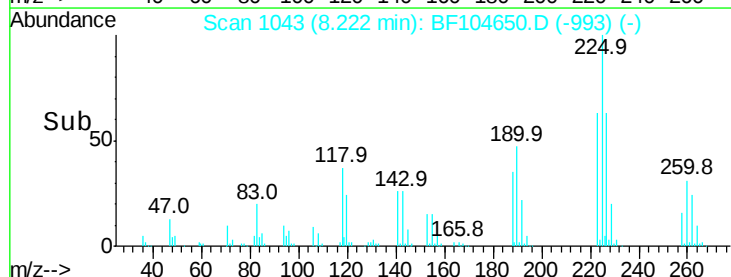
227 62.6 51.9 77.9



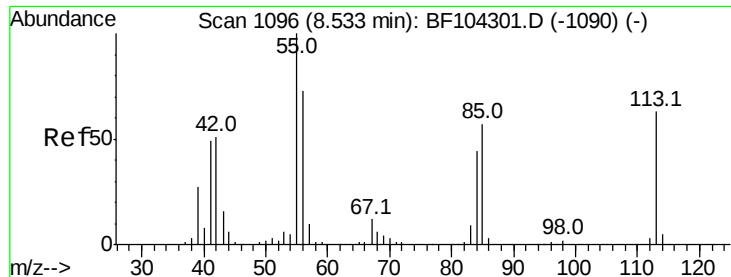
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



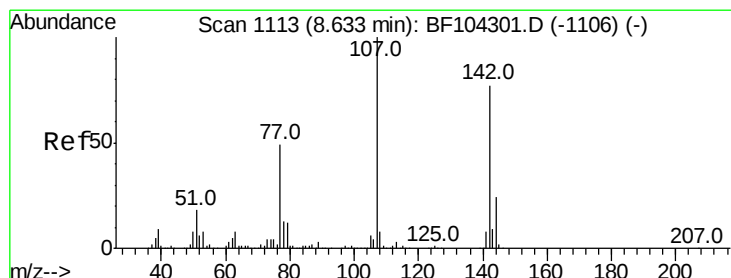
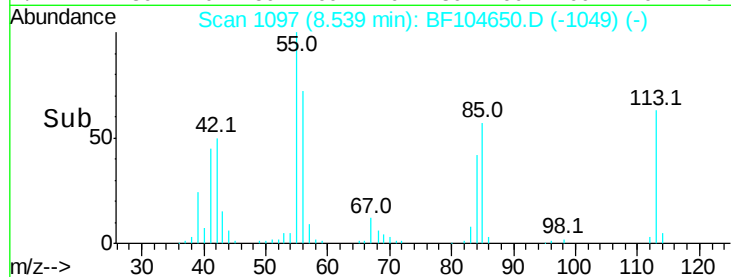
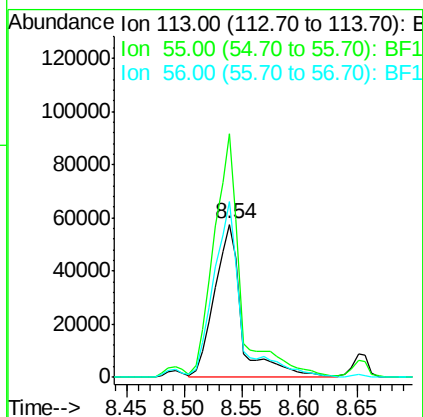
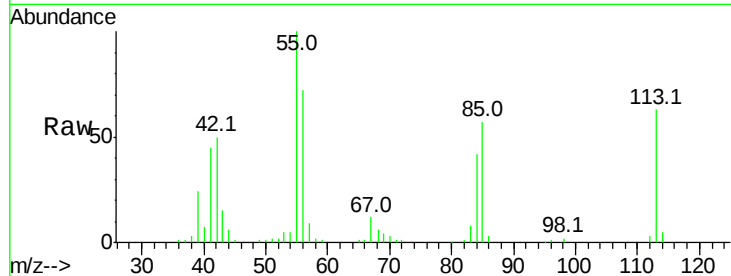
Time-->



#35  
 Caprolactam  
 Concen: 37.341 ng  
 RT: 8.54 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

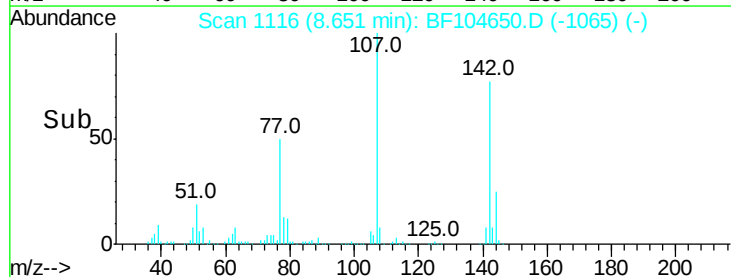
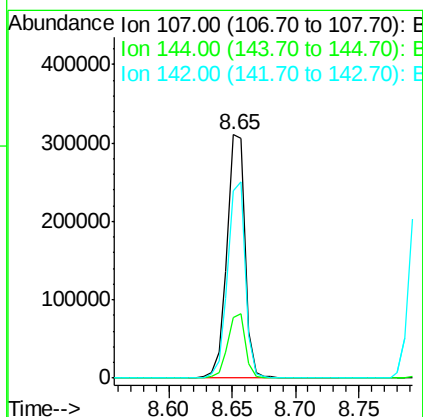
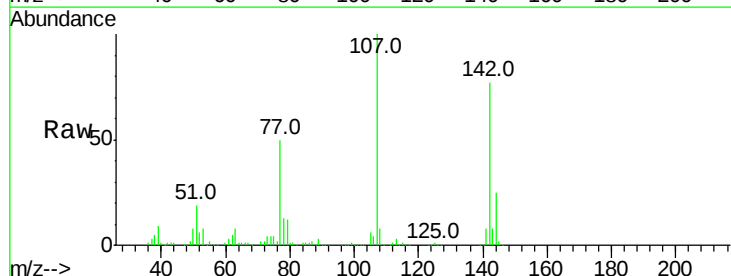
Instrument :  
 BNA\_F  
 ClientSampleId :

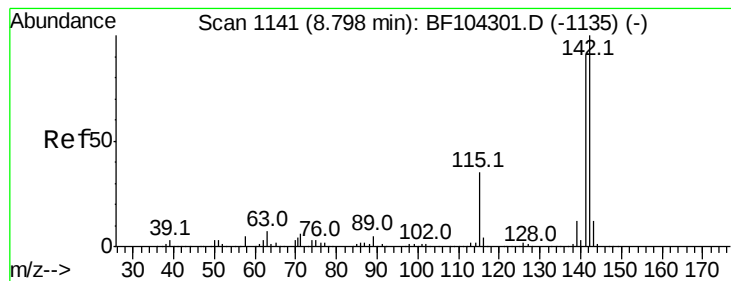
Tot Ion:113 Resp: 95961  
 Ion Ratio Lower Upper  
 113 100  
 55 159.0 163.3 203.3#  
 56 114.7 115.7 155.7#



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.883 ng  
 RT: 8.65 min Scan# 1116  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:107 Resp: 307137  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 20.5 30.7  
 142 77.0 62.0 93.0





#37

2-Methylnaphthalene

Concen: 37.321 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampled :

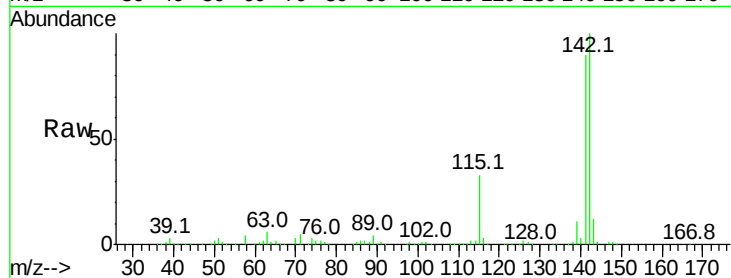
Tot Ion:142 Resp: 649371

Ion Ratio Lower Upper

142 100

141 90.0 70.8 106.2

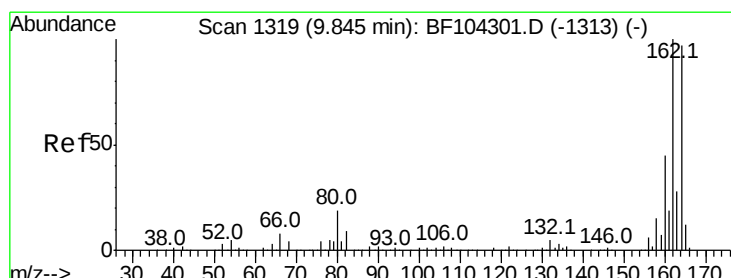
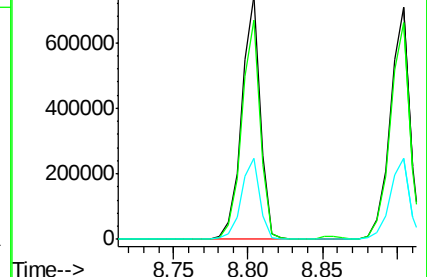
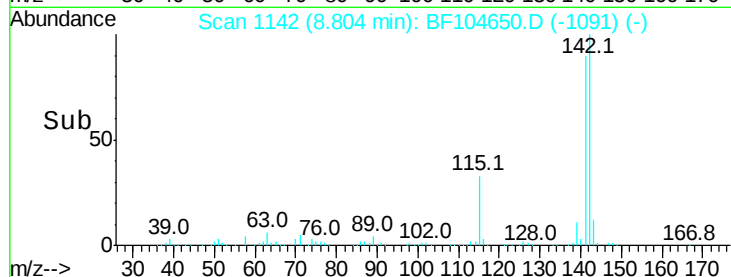
115 33.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

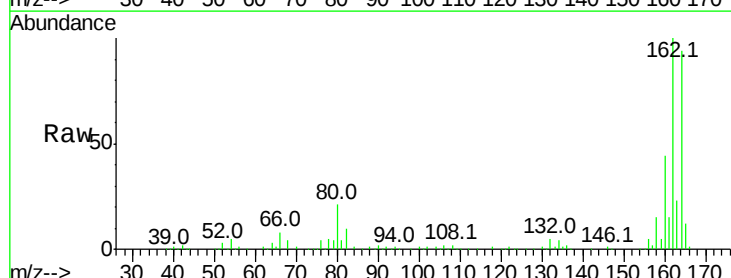
Tgt Ion:164 Resp: 231594

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

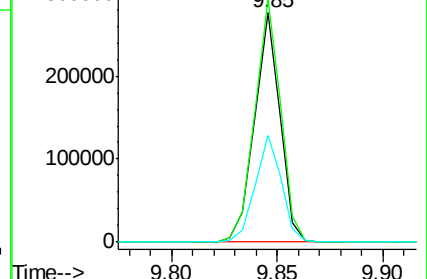
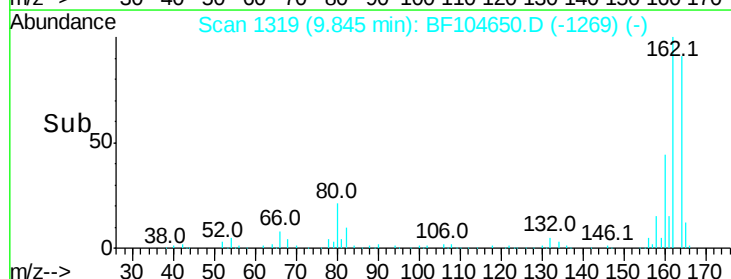
160 46.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.901 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 277786

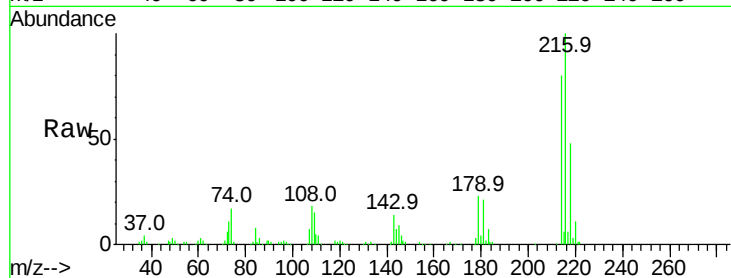
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.4

179 22.6 18.1 27.1

108 19.8 17.2 25.8

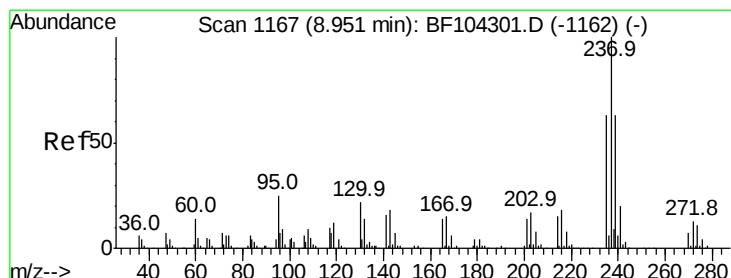
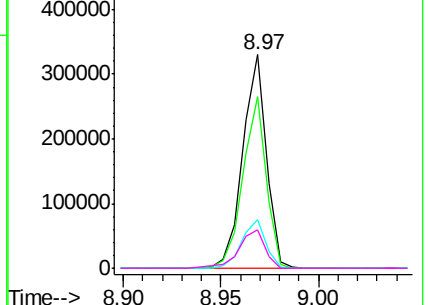
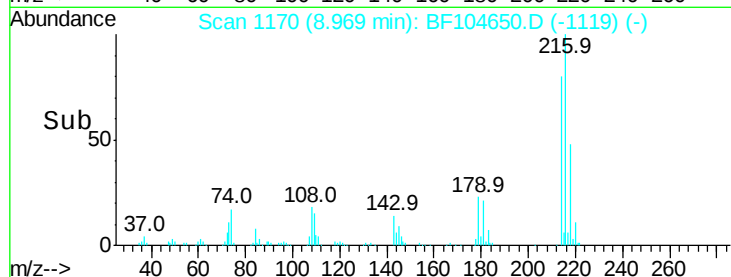


Abundance Ion 216.00 (215.70 to 216.70): E

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: 19.144 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

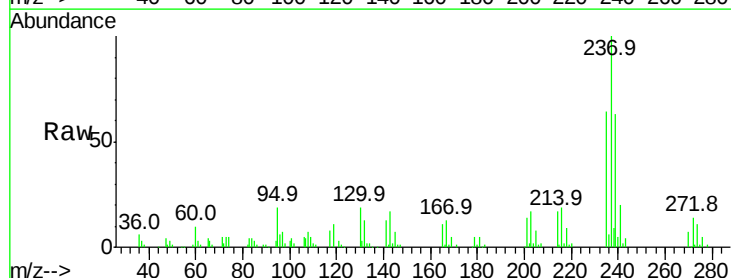
Tgt Ion:237 Resp: 71053

Ion Ratio Lower Upper

237 100

235 63.5 44.8 84.8

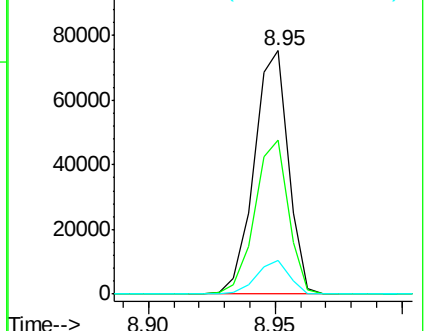
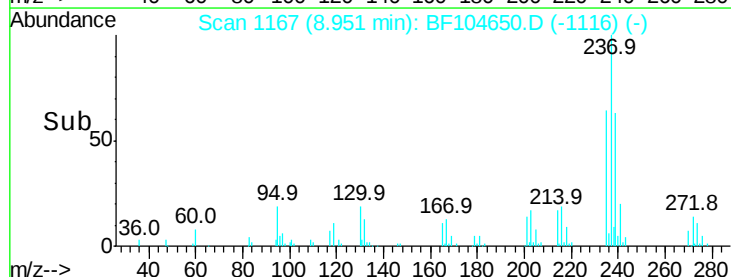
272 13.9 0.0 33.3

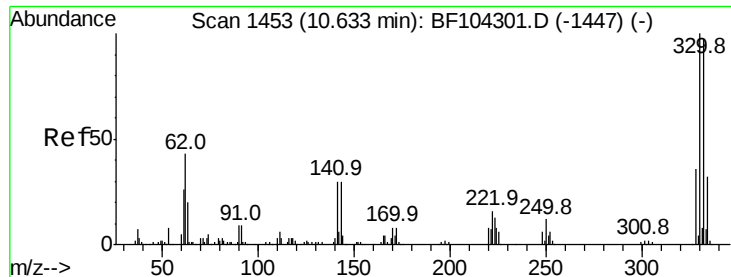


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

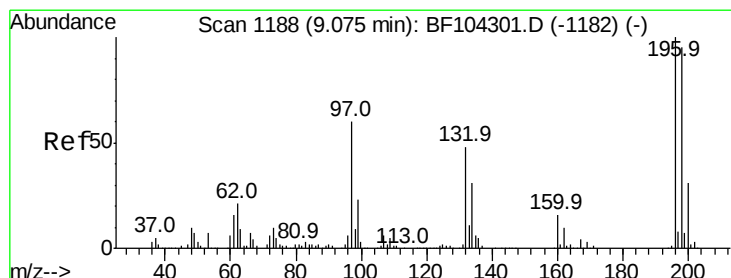
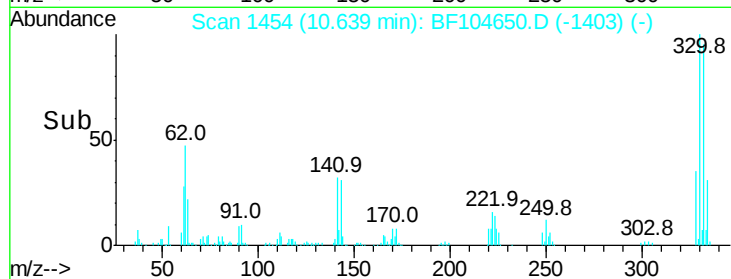
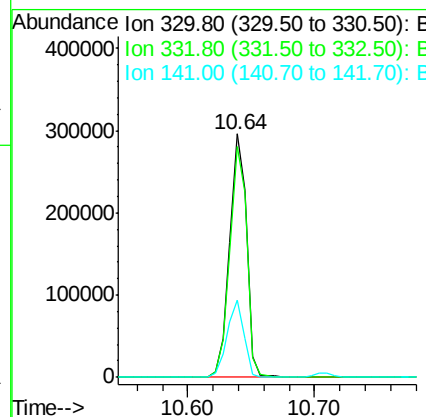
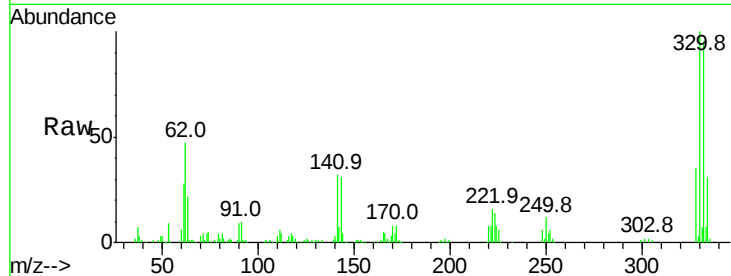




#41  
 2,4,6-Tribromophenol  
 Concen: 114.282 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

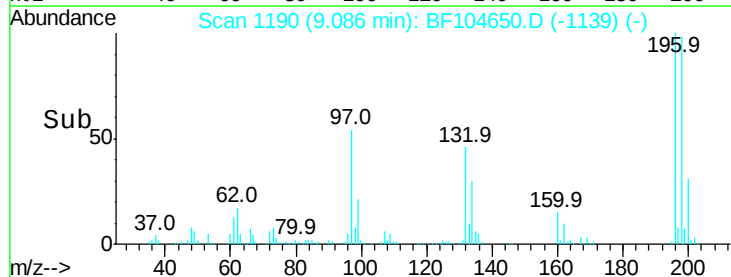
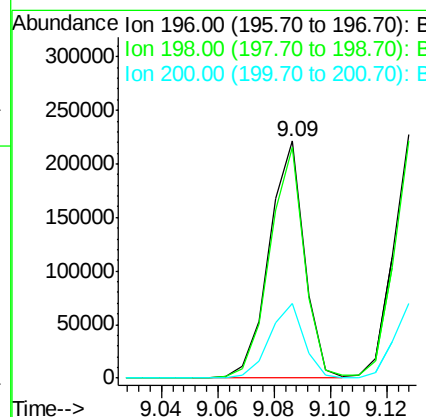
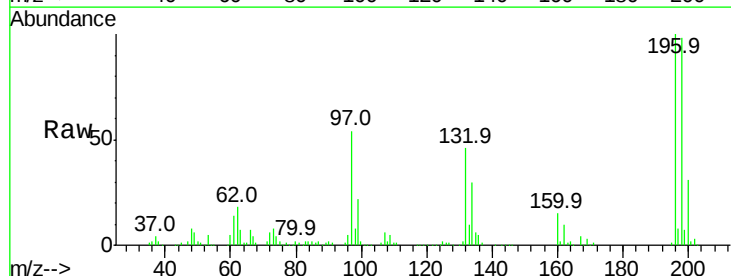
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 31.9  | 29.9  | 44.9  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 41.436 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.6  | 75.7  | 113.5 |
| 200     | 31.4  | 24.5  | 36.7  |

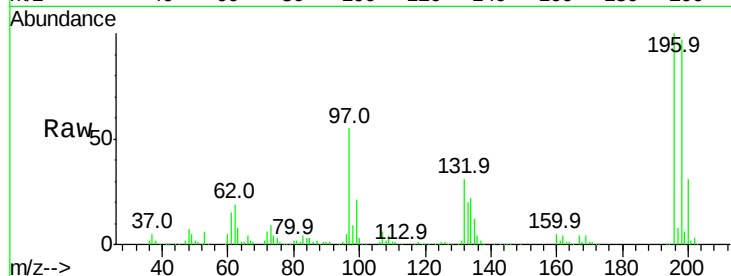




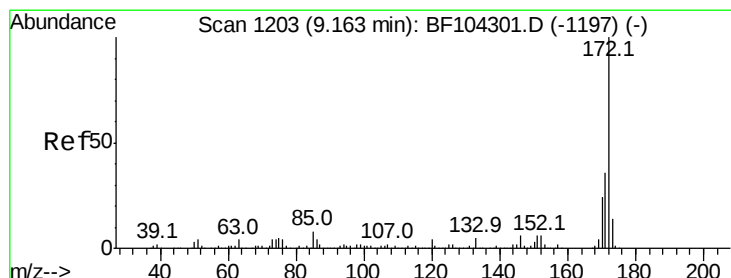
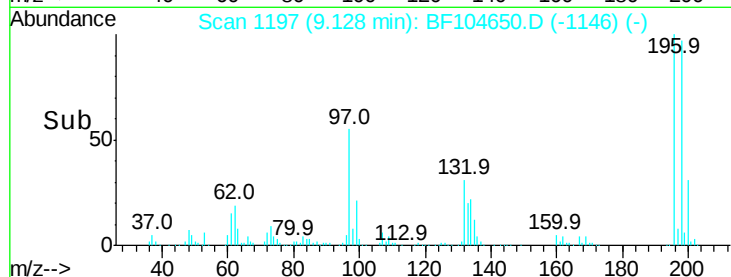
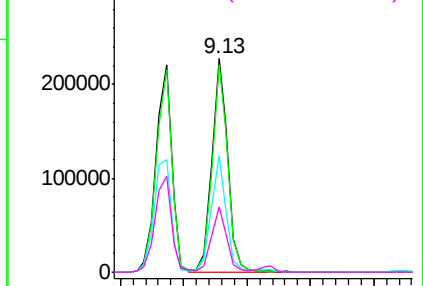
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.469 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 203262 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 97.4  | 74.6  | 112.0  |
| 97       | 54.7  | 42.9  | 64.3   |
| 132      | 30.6  | 26.3  | 39.5   |

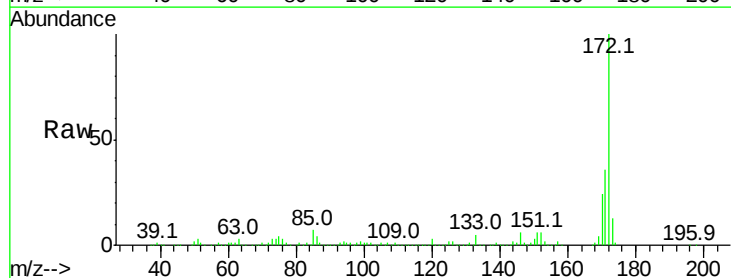


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

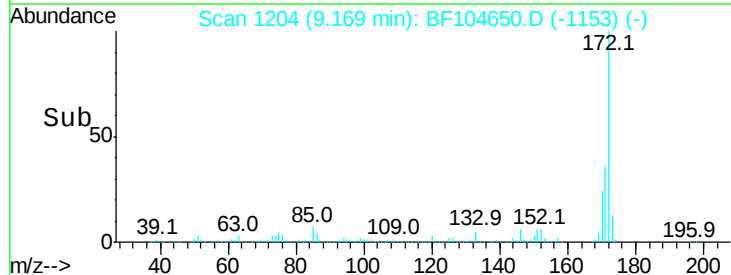
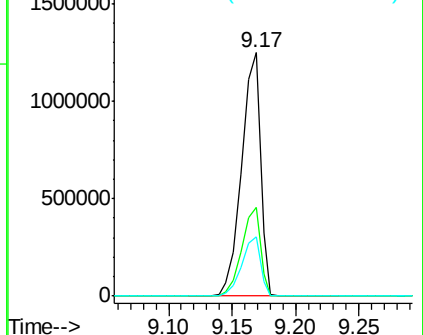


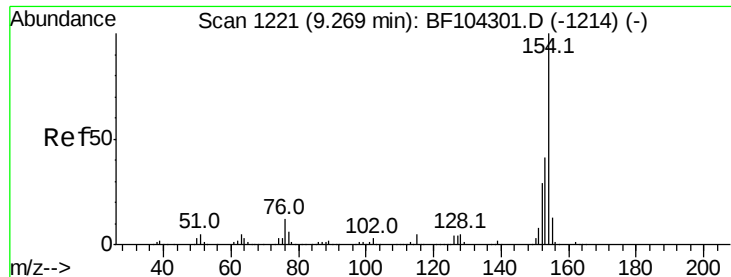
#44  
 2-Fluorobiphenyl  
 Concen: 87.376 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1280952 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.3  | 29.7  | 44.5    |
| 170      | 24.4  | 19.6  | 29.4    |



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





#45

1,1'-Biphenyl

Concen: 39.170 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

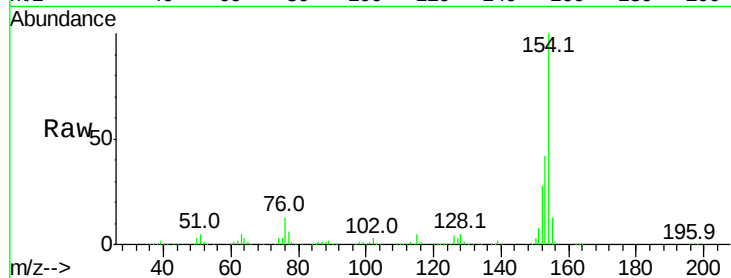
Tot Ion:154 Resp: 762080

Ion Ratio Lower Upper

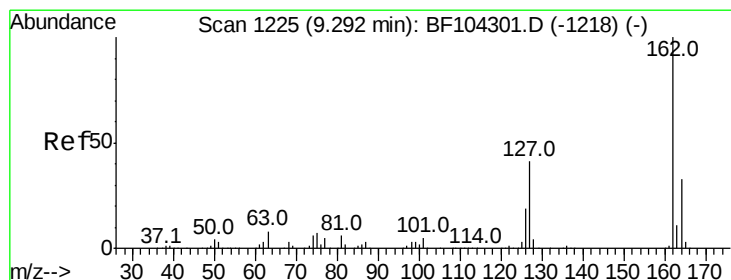
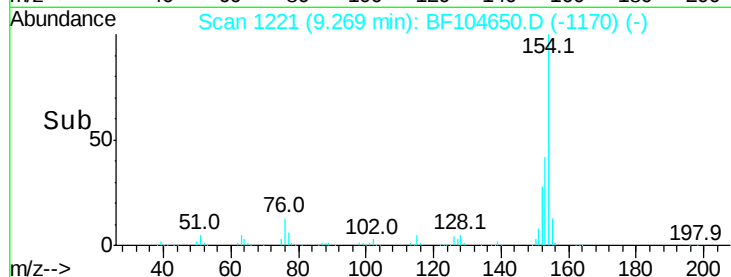
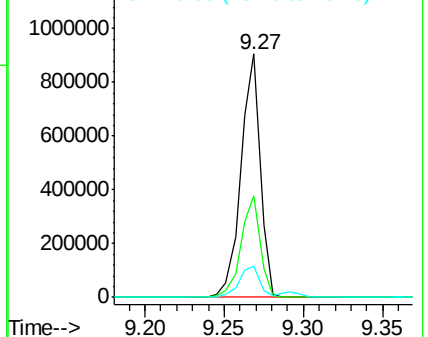
154 100

153 41.6 21.3 61.3

76 12.9 0.0 34.0



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



#46

2-Chloronaphthalene

Concen: 38.811 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

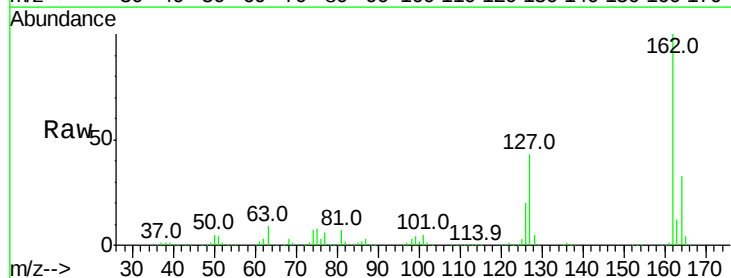
Tgt Ion:162 Resp: 596417

Ion Ratio Lower Upper

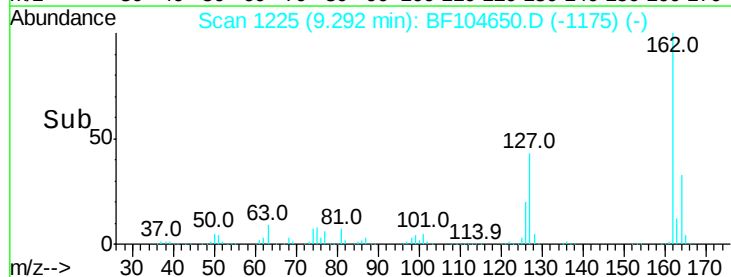
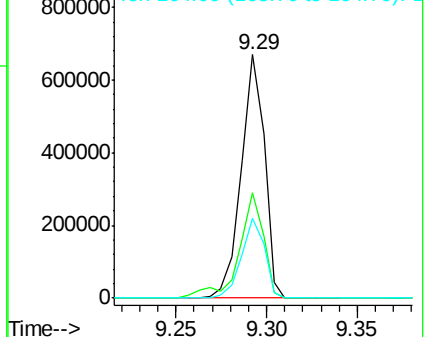
162 100

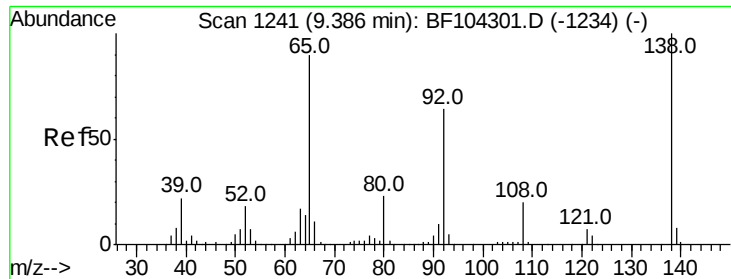
127 43.2 33.9 50.9

164 32.9 26.5 39.7



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

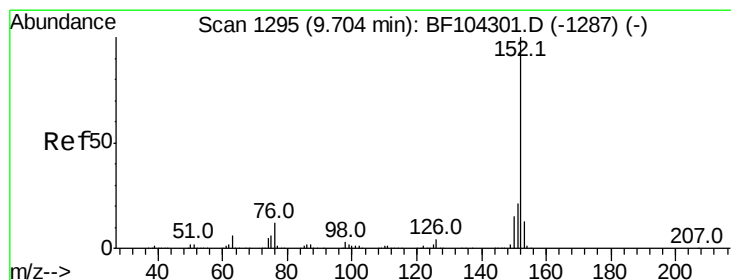
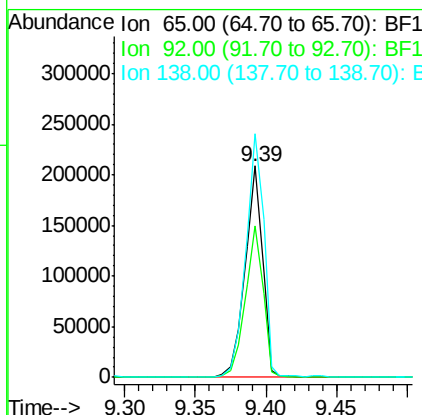
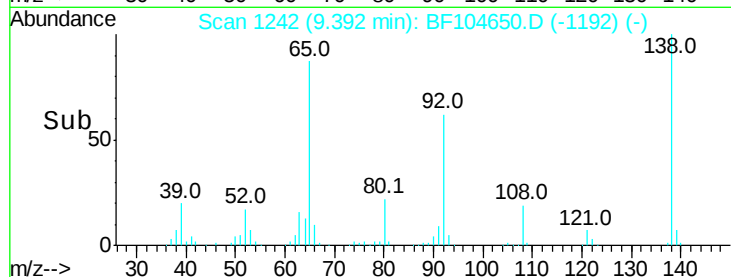
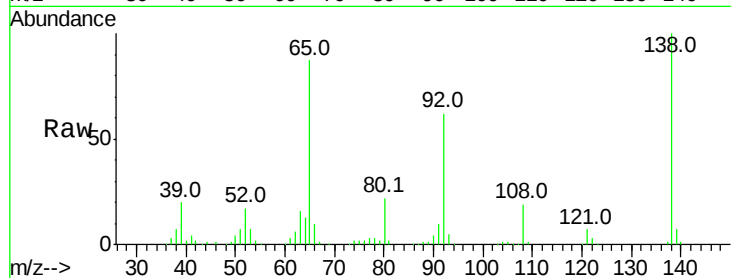




#47  
 2-Nitroaniline  
 Concen: 47.676 ng  
 RT: 9.39 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

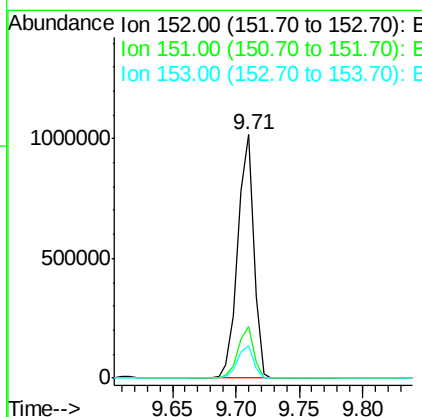
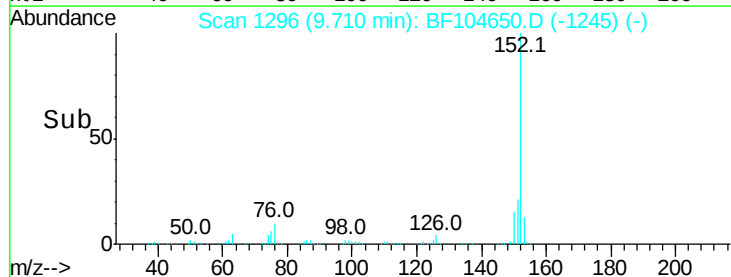
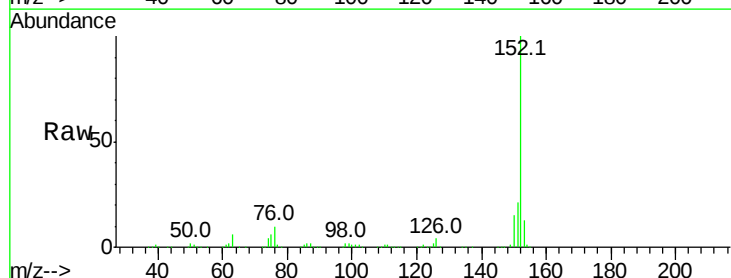
Instrument :  
 BNA\_F  
 ClientSampleId :

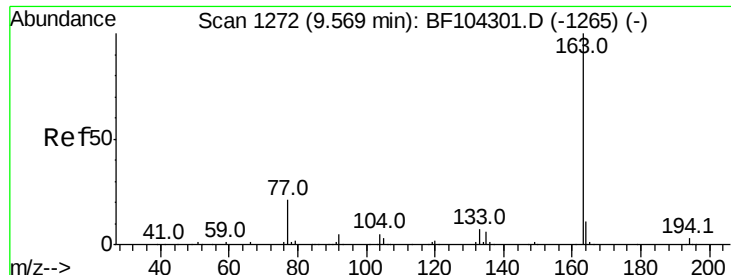
Tot Ion: 65 Resp: 181187  
 Ion Ratio Lower Upper  
 65 100  
 92 71.6 55.8 83.6  
 138 115.4 91.2 136.8



#48  
 Acenaphthylene  
 Concen: 36.546 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:152 Resp: 881159  
 Ion Ratio Lower Upper  
 152 100  
 151 21.1 16.3 24.5  
 153 13.2 10.7 16.1

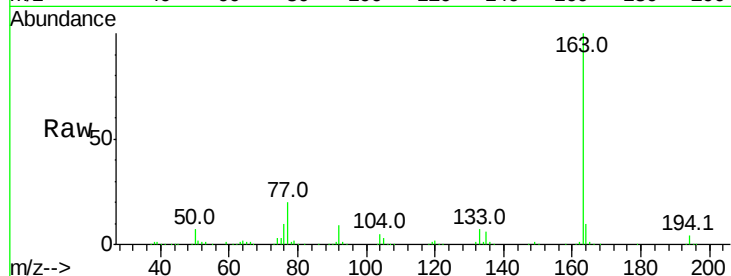




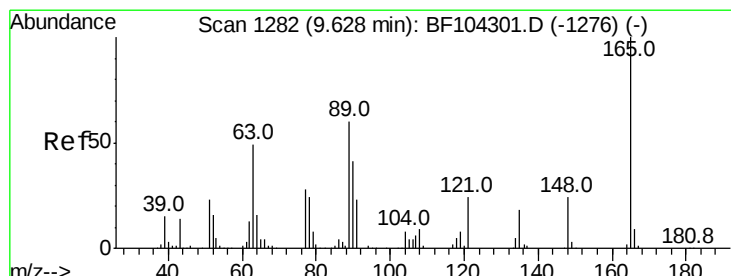
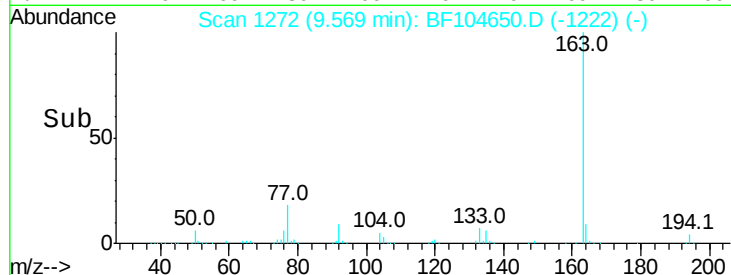
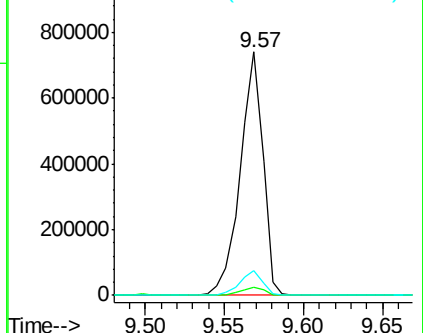
#49  
Dimethylphthalate  
Concen: 40.085 ng  
RT: 9.57 min Scan# 1272  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.7   | 4.1   |
| 164     | 10.4  | 8.2   | 12.2  |

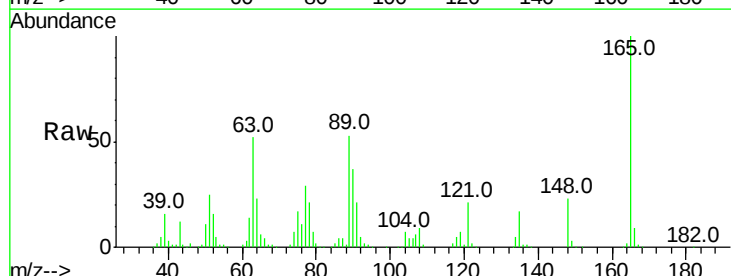


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

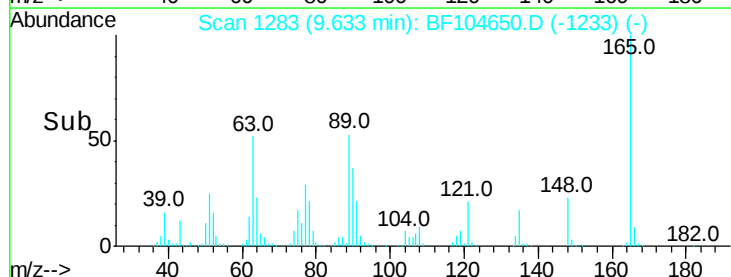
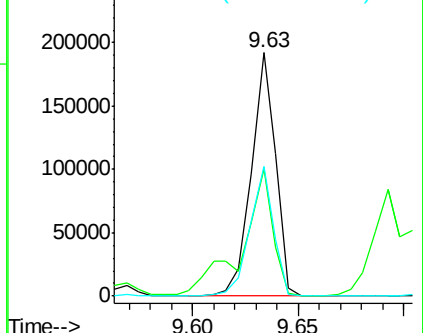


#50  
2,6-Dinitrotoluene  
Concen: 45.519 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.2  | 44.7  | 67.1  |
| 89      | 53.5  | 44.0  | 66.0  |



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





#51

Acenaphthene

Concen: 34.763 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

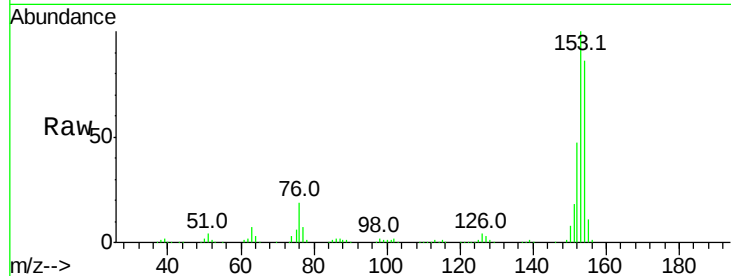
Tot Ion:154 Resp: 511398

Ion Ratio Lower Upper

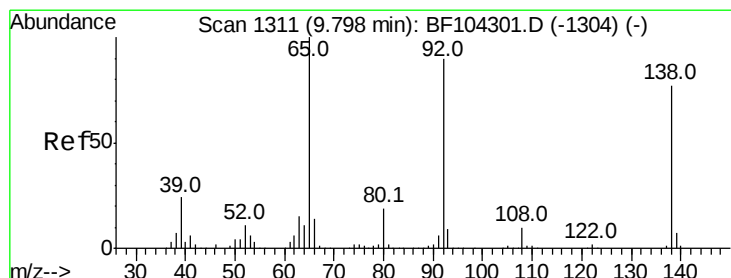
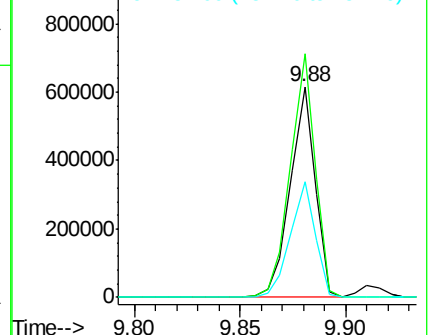
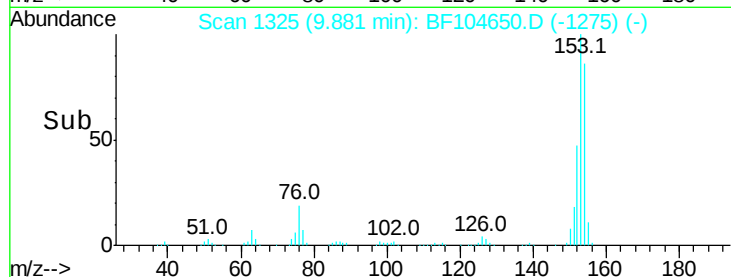
154 100

153 115.7 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: 16.267 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

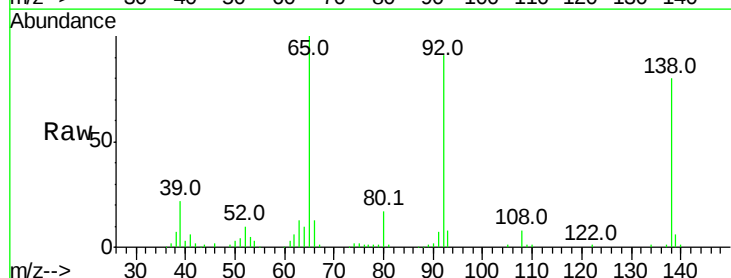
Tgt Ion:138 Resp: 64358

Ion Ratio Lower Upper

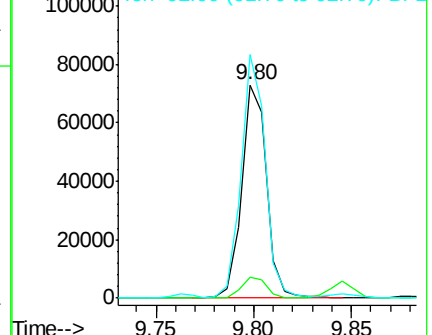
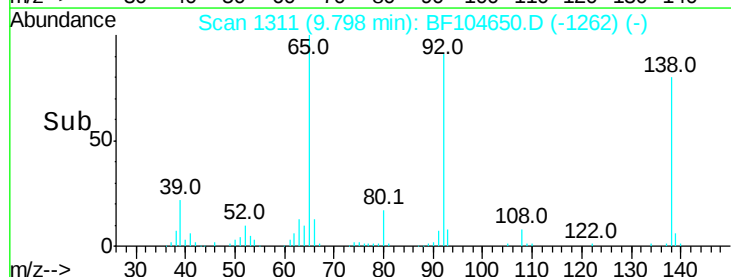
138 100

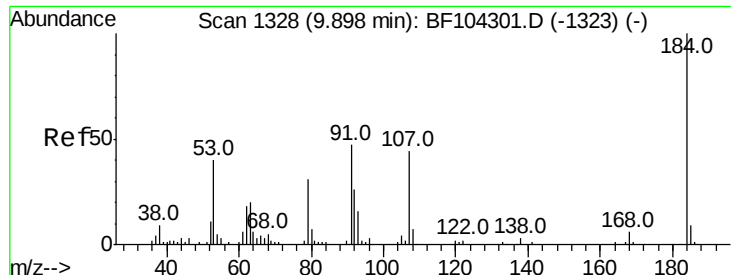
108 9.7 9.4 14.0

92 114.1 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

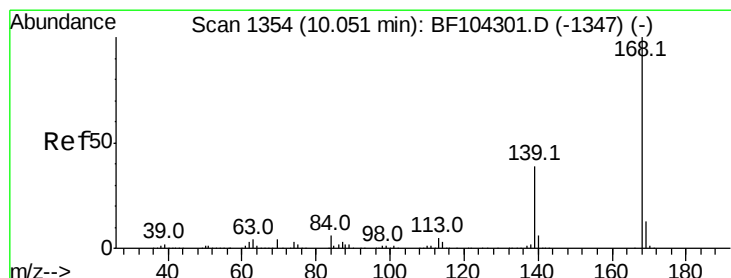
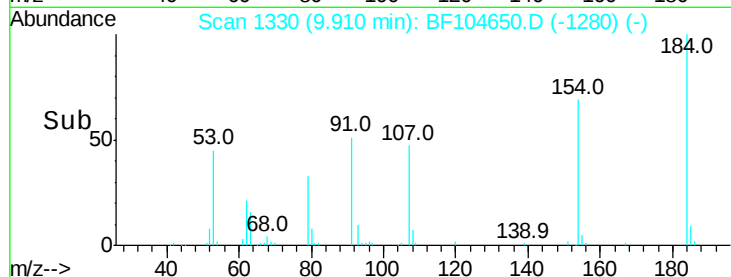
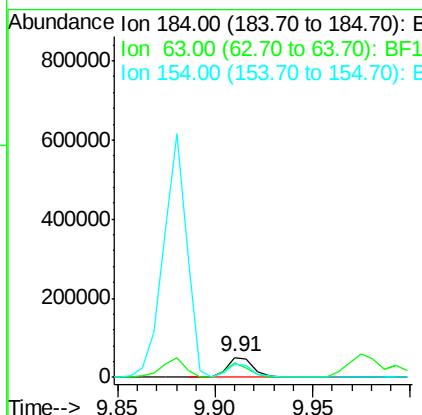
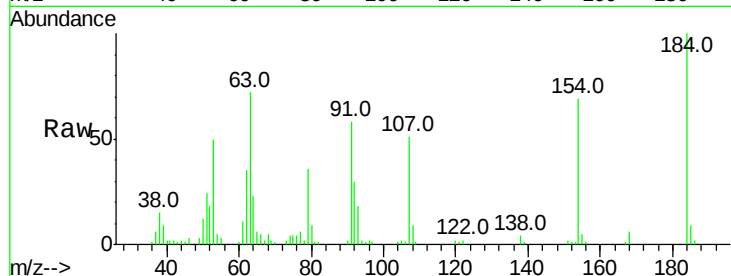




#53  
 2,4-Dinitrophenol  
 Concen: 44.944 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

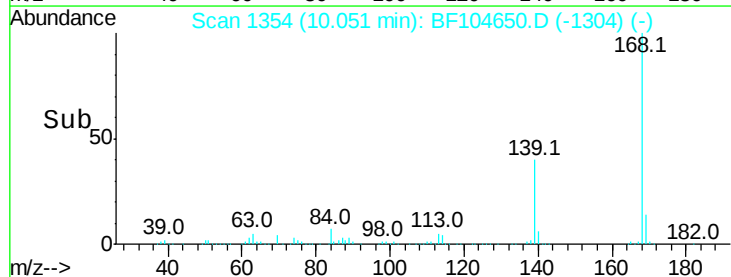
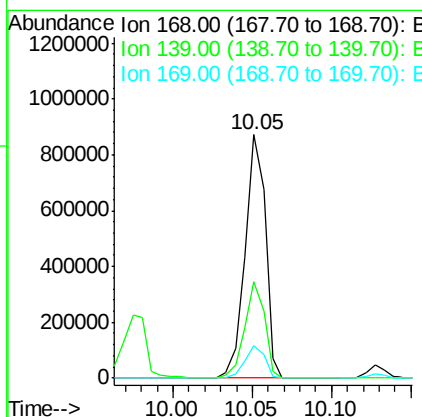
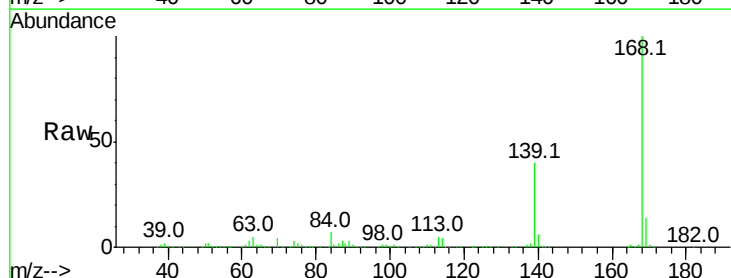
Instrument :  
 BNA\_F  
 ClientSampled :

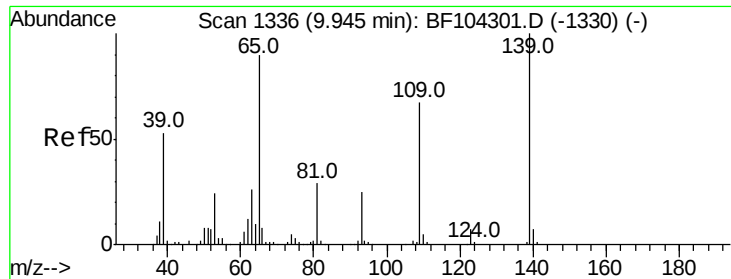
Tot Ion:184 Resp: 48683  
 Ion Ratio Lower Upper  
 184 100  
 63 71.8 54.2 81.2  
 154 68.7 184.0 276.0#



#54  
 Dibenzofuran  
 Concen: 37.700 ng  
 RT: 10.05 min Scan# 1354  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:168 Resp: 772892  
 Ion Ratio Lower Upper  
 168 100  
 139 39.6 30.1 45.1  
 169 13.6 10.9 16.3





#55

4-Nitrophenol

Concen: 75.535 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampled :

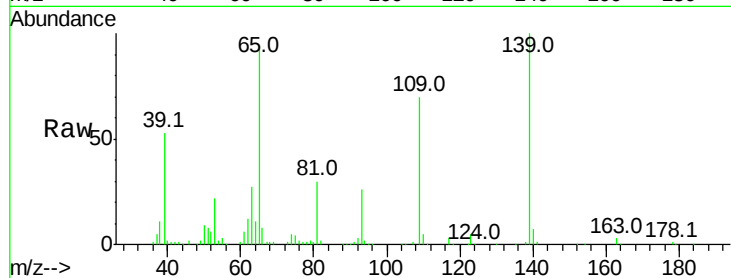
Tot Ion:139 Resp: 234744

Ion Ratio Lower Upper

139 100

109 69.6 48.4 88.4

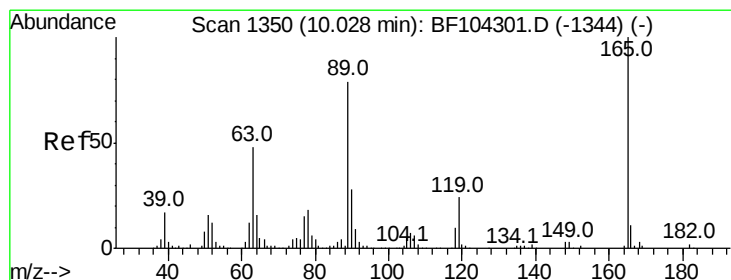
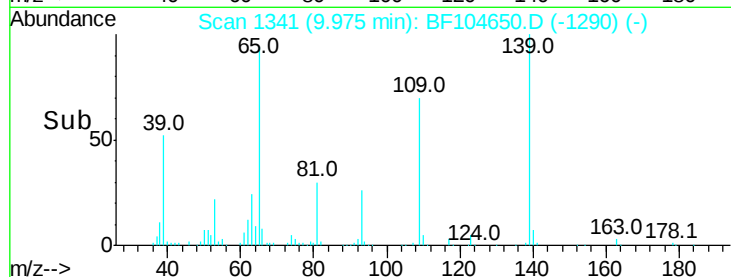
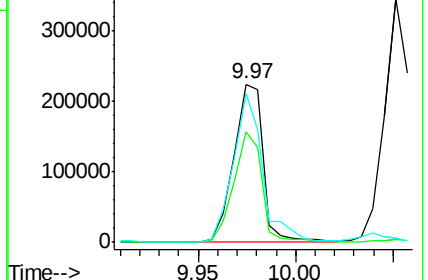
65 94.2 72.6 112.6



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: 42.487 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Tgt Ion:165 Resp: 188335

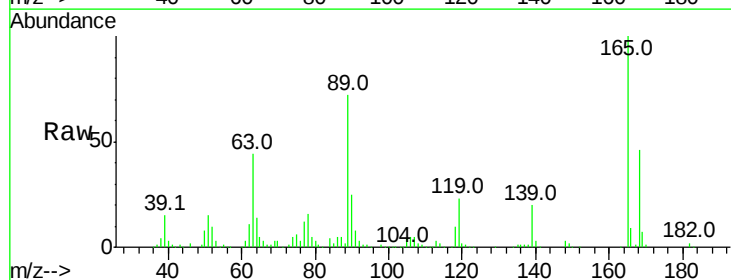
Ion Ratio Lower Upper

165 100

63 44.2 36.4 54.6

89 72.3 57.8 86.6

182 2.4 1.6 2.4#

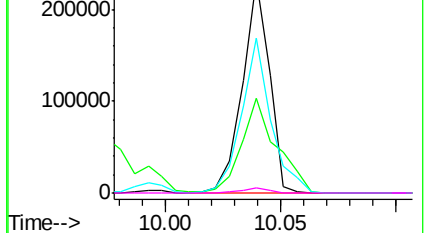


Abundance Ion 165.00 (164.70 to 165.70): E

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: 39.070 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

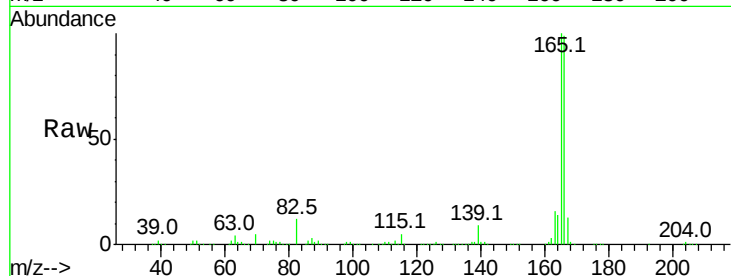
Tot Ion:166 Resp: 583015

Ion Ratio Lower Upper

166 100

165 100.8 79.8 119.8

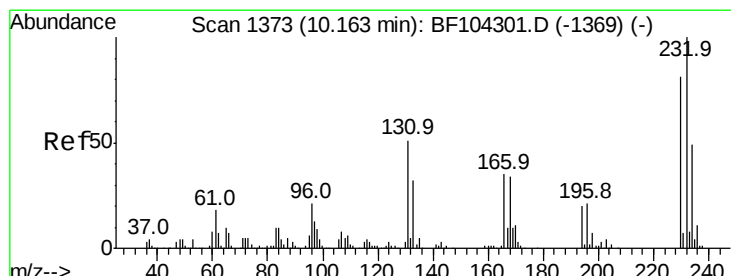
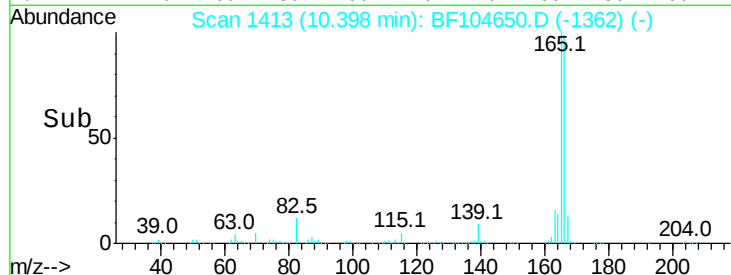
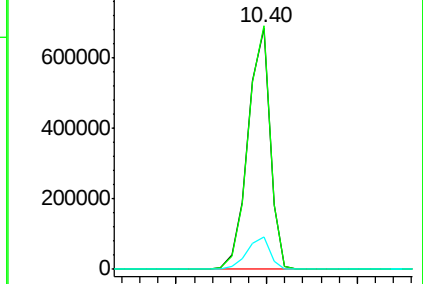
167 13.4 10.6 16.0



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: 39.141 ng

RT: 10.17 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Tgt Ion:232 Resp: 150383

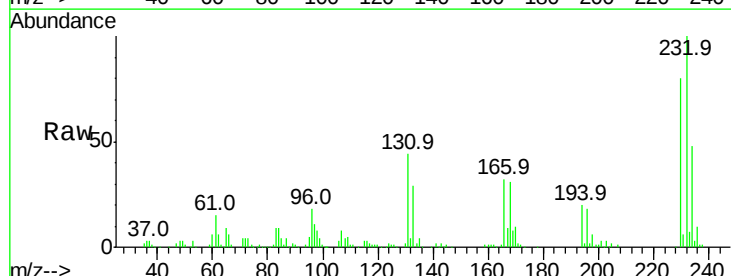
Ion Ratio Lower Upper

232 100

131 48.9 43.8 65.8

130 2.5 2.1 3.1

166 33.5 27.8 41.6

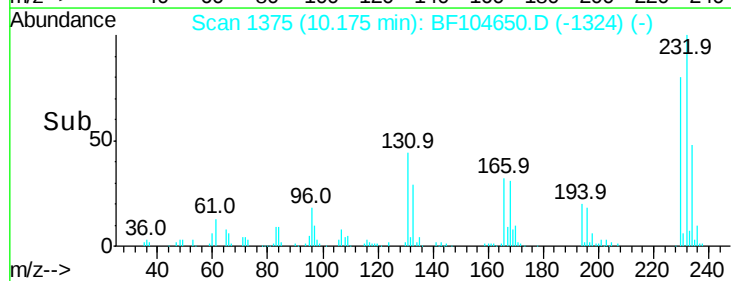
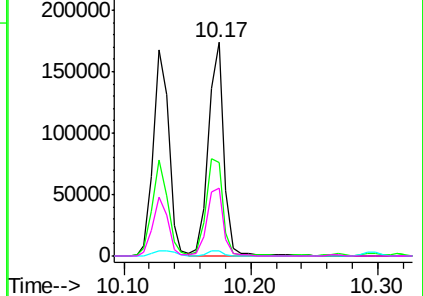


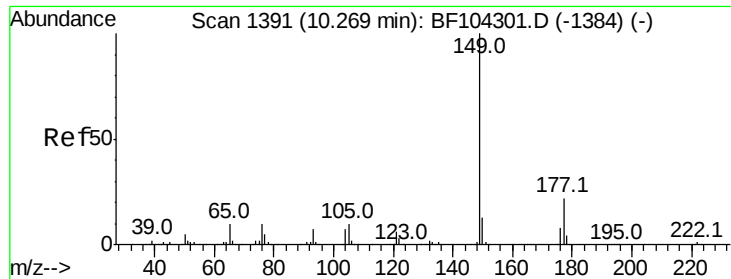
Abundance Ion 232.00 (231.70 to 232.70): E

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

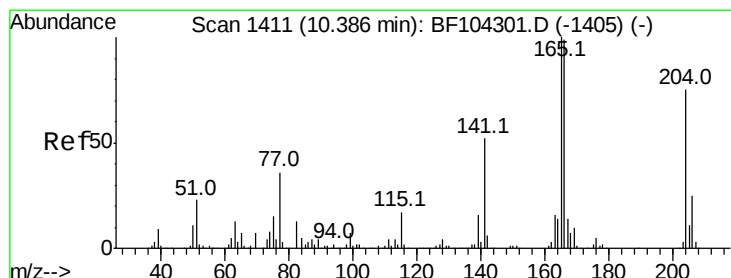
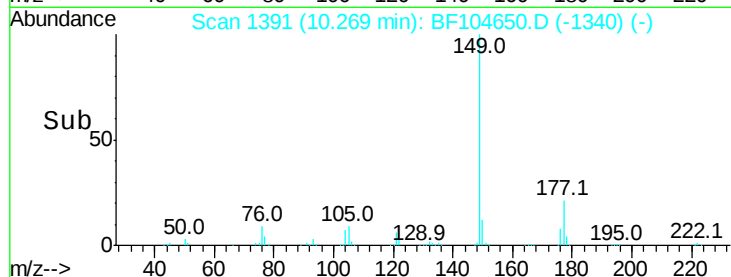
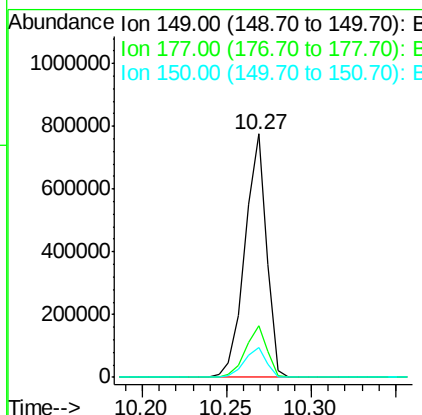
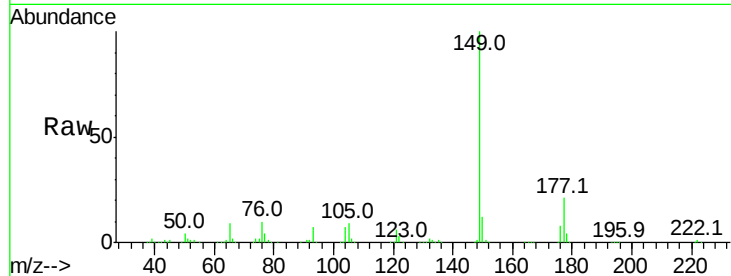




#59  
Diethylphthalate  
Concen: 38.136 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

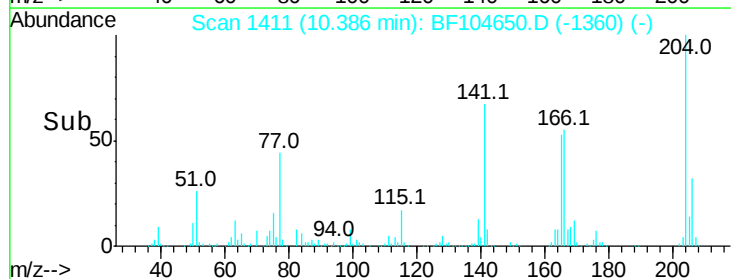
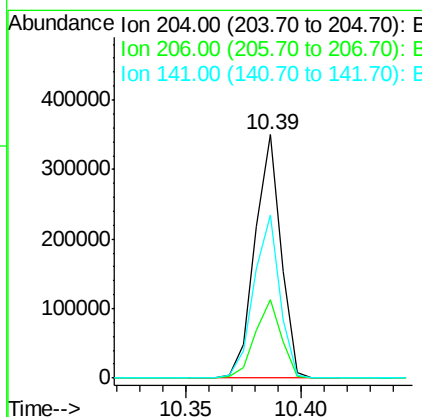
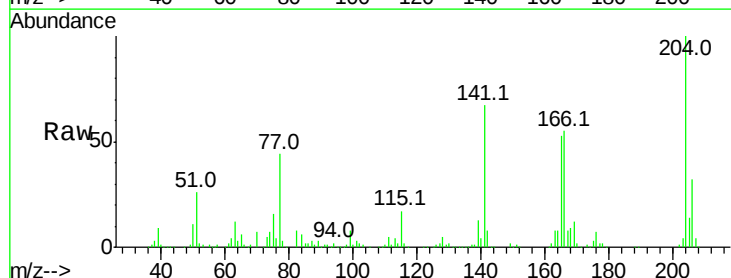
Instrument :  
BNA\_F  
ClientSampled :

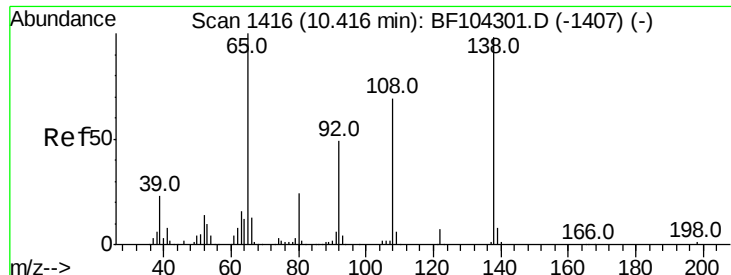
Tot Ion:149 Resp: 693648  
Ion Ratio Lower Upper  
149 100  
177 21.1 16.1 24.1  
150 12.5 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 41.646 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion:204 Resp: 276766  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.5 39.7  
141 67.2 54.6 81.8

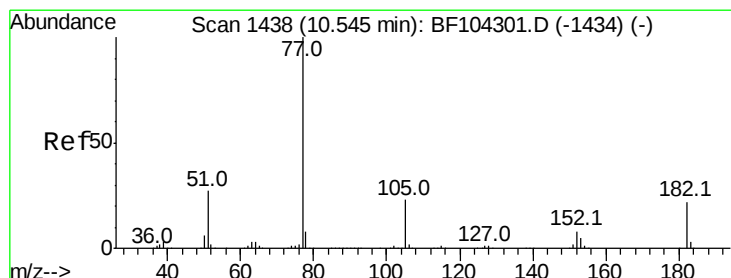
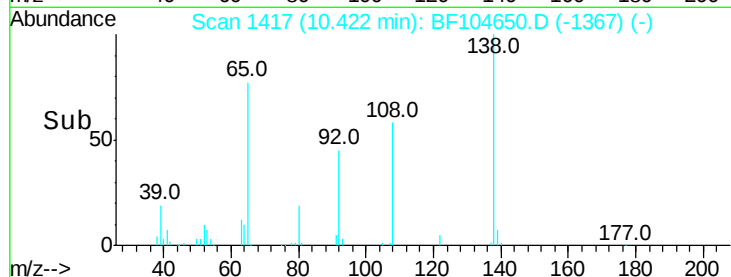
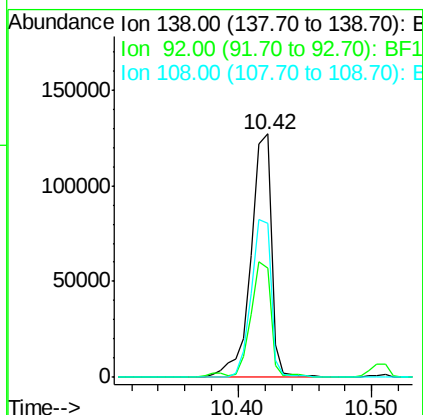
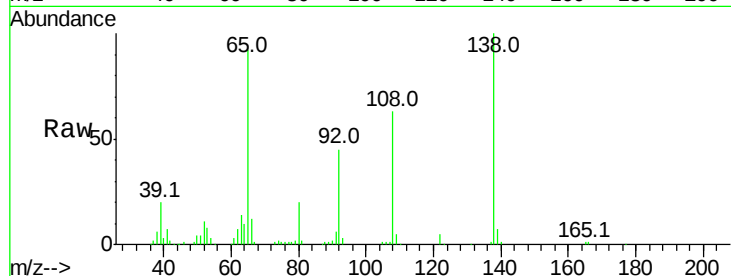




#61  
4-Nitroaniline  
Concen: 34.554 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

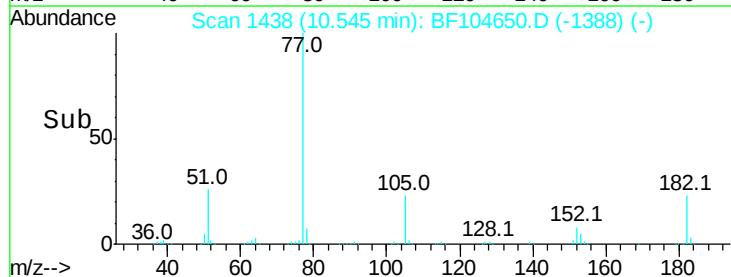
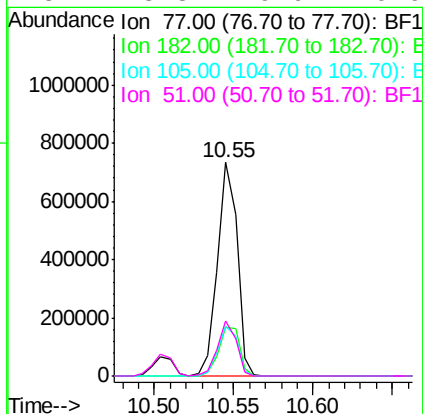
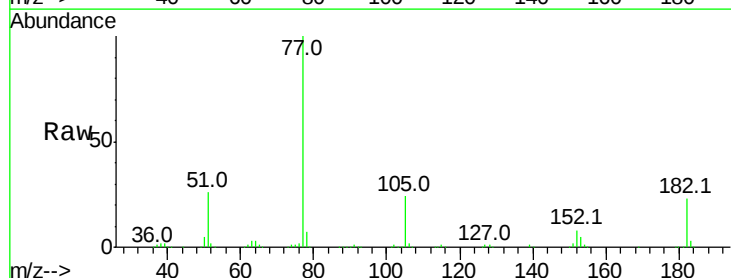
Instrument :  
BNA\_F  
ClientSampleId :

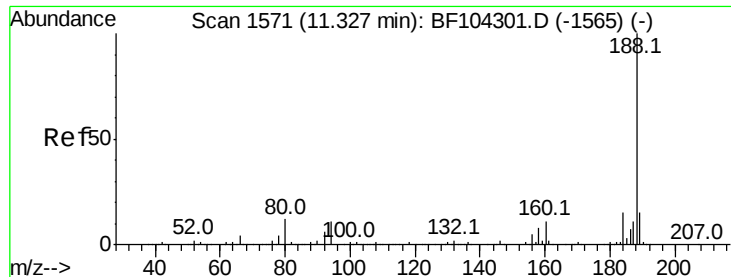
Tot Ion:138 Resp: 133664  
Ion Ratio Lower Upper  
138 100  
92 44.8 30.2 70.2  
108 63.4 52.5 92.5



#62  
Azobenzene  
Concen: 36.364 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion: 77 Resp: 631912  
Ion Ratio Lower Upper  
77 100  
182 22.6 1.7 41.7  
105 23.6 3.0 43.0  
51 25.8 9.9 49.9

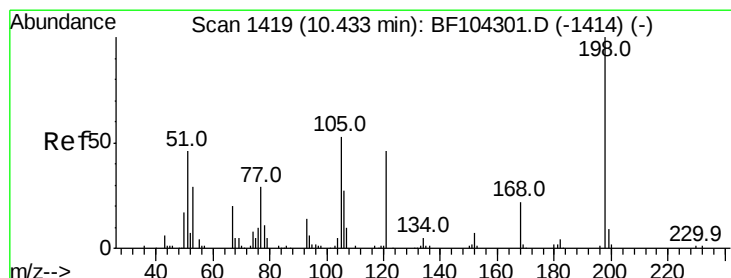
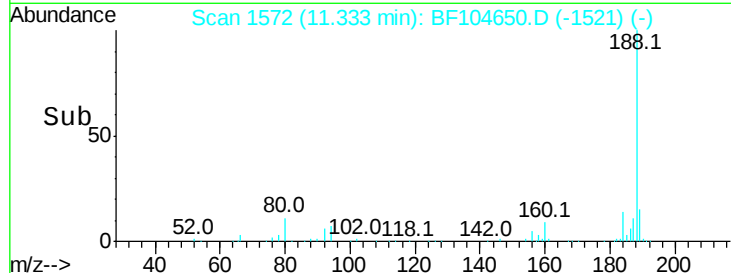
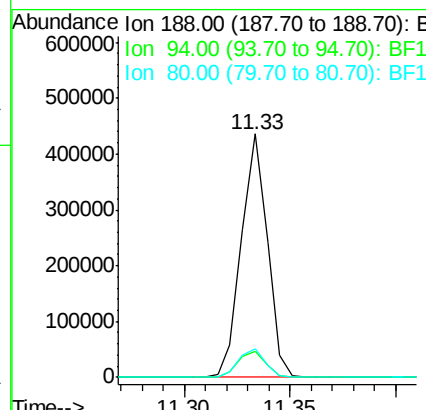
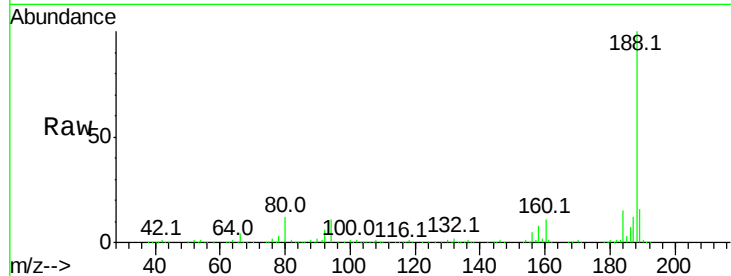




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

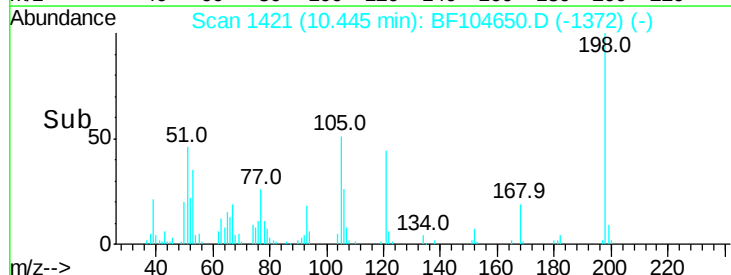
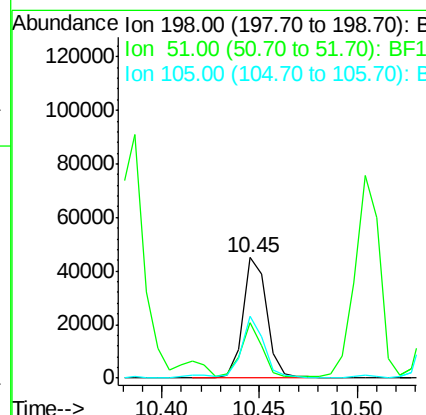
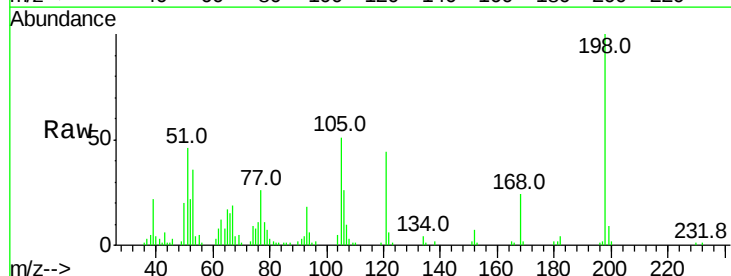
Instrument :  
 BNA\_F  
 ClientSampled :

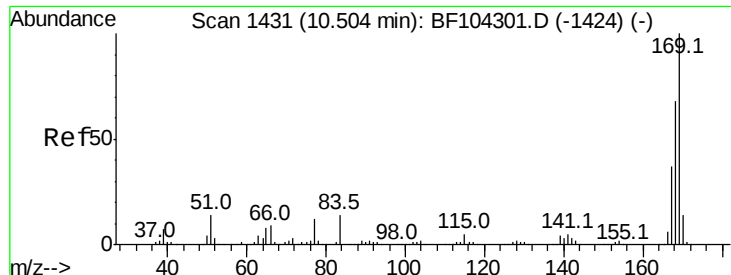
Tot Ion:188 Resp: 371461  
 Ion Ratio Lower Upper  
 188 100  
 94 10.7 8.5 12.7  
 80 11.8 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 25.300 ng  
 RT: 10.45 min Scan# 1421  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:198 Resp: 38348  
 Ion Ratio Lower Upper  
 198 100  
 51 46.5 37.7 77.7  
 105 50.9 36.3 76.3

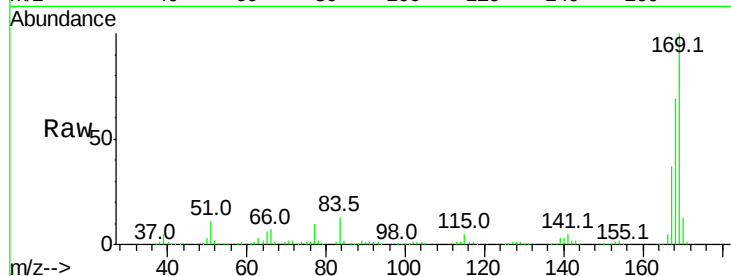




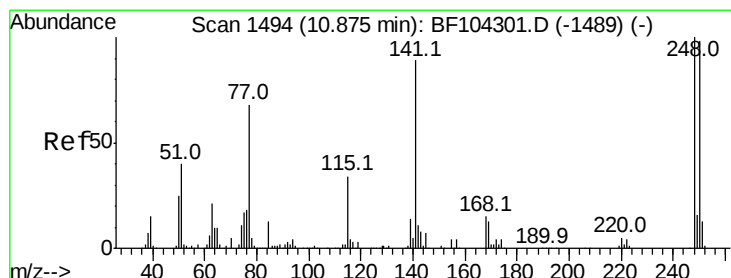
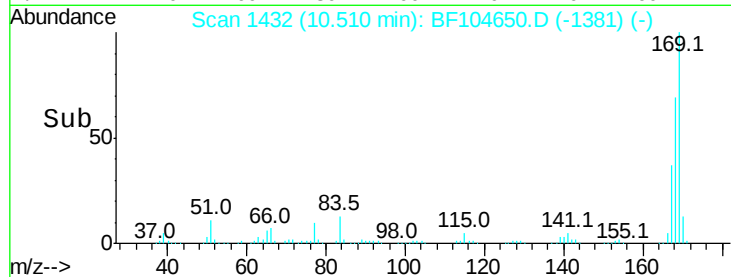
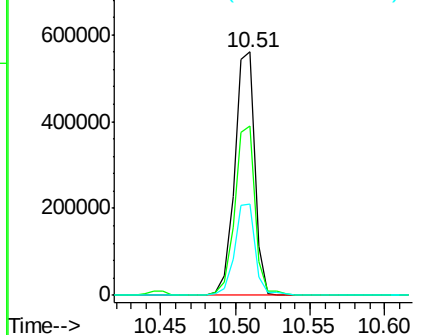
#65  
 n-Nitrosodiphenylamine  
 Concen: 41.313 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 532092  
 Ion Ratio Lower Upper  
 169 100  
 168 69.3 54.4 81.6  
 167 37.3 29.8 44.6

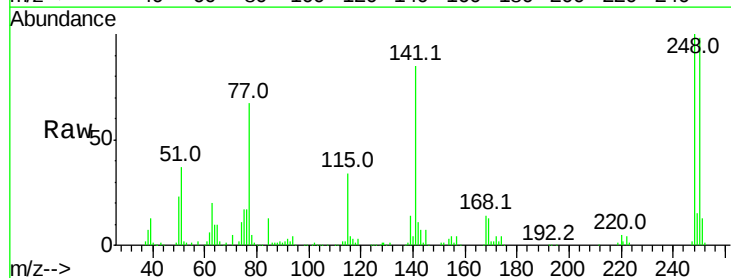


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

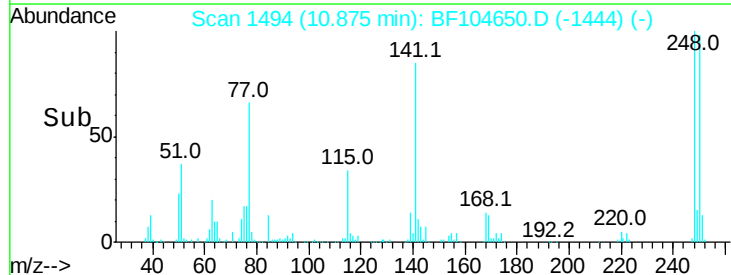
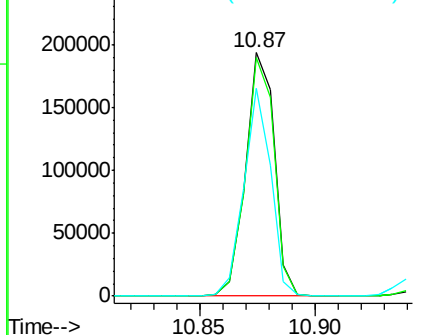


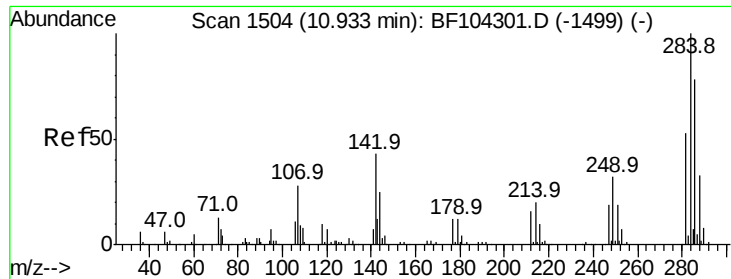
#66  
 4-Bromophenyl-phenylether  
 Concen: 42.835 ng  
 RT: 10.87 min Scan# 1494  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:248 Resp: 169246  
 Ion Ratio Lower Upper  
 248 100  
 250 97.8 76.9 115.3  
 141 85.2 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

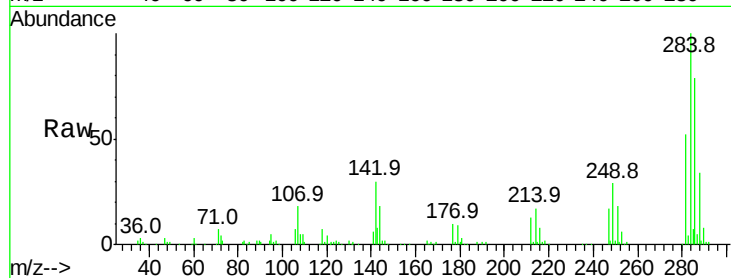




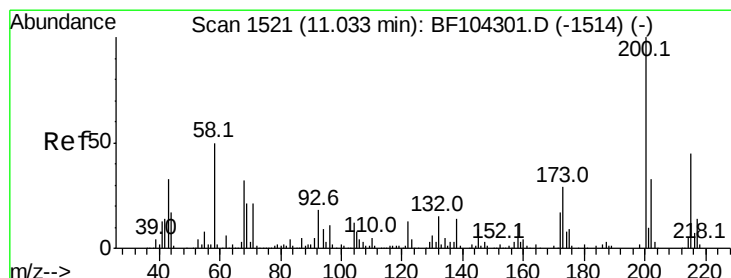
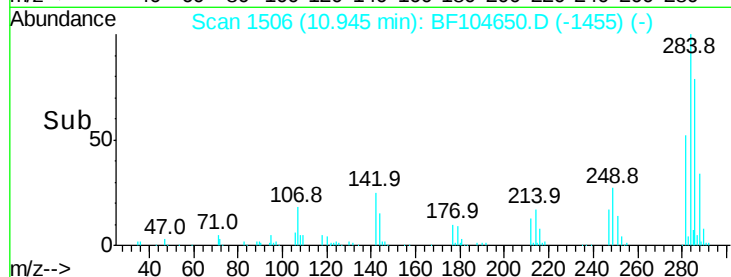
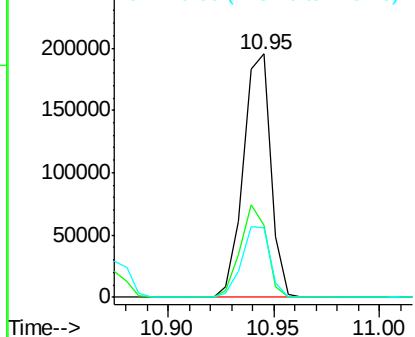
#67  
Hexachlorobenzene  
Concen: 39.824 ng  
RT: 10.95 min Scan# 1506  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:284 Resp: 177055  
Ion Ratio Lower Upper  
284 100  
142 29.6 34.6 52.0#  
249 28.5 24.8 37.2

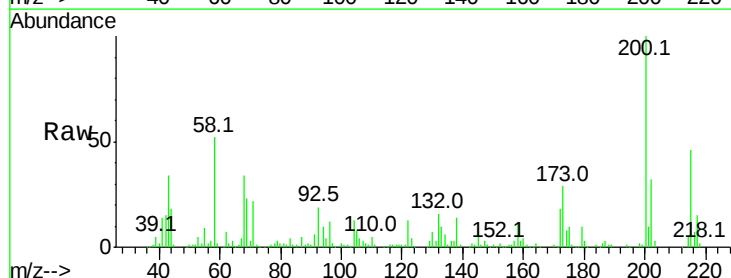


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

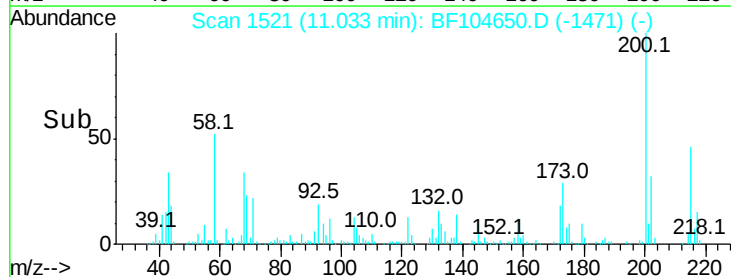
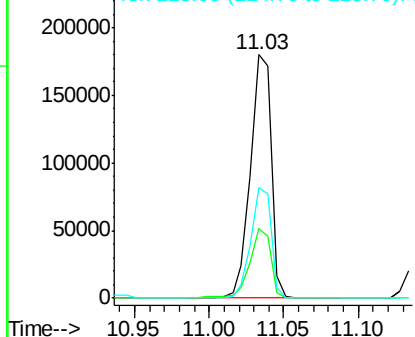


#68  
Atrazine  
Concen: 44.491 ng  
RT: 11.03 min Scan# 1521  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion:200 Resp: 172963  
Ion Ratio Lower Upper  
200 100  
173 28.7 8.6 48.6  
215 45.6 25.1 65.1



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

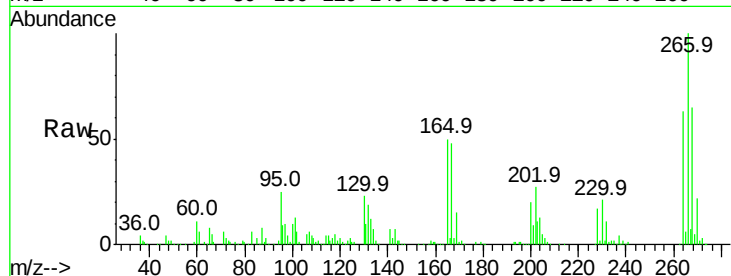




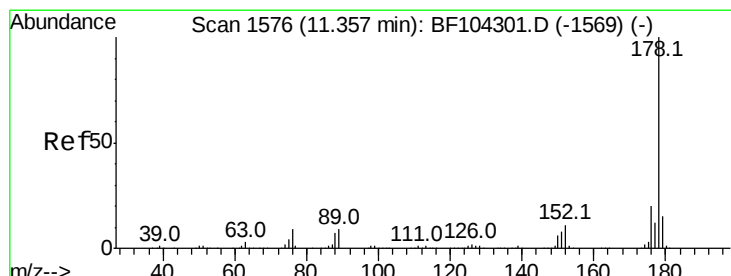
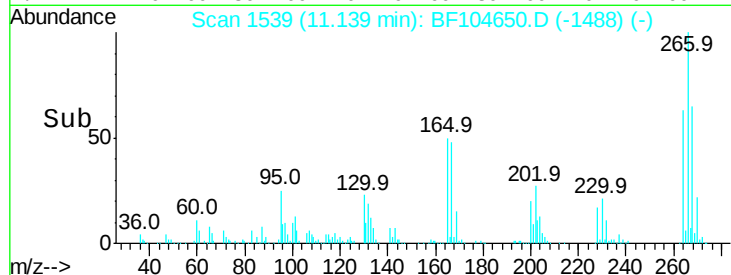
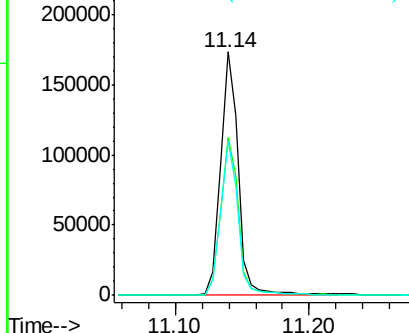
#69  
 Pentachlorophenol  
 Concen: 59.448 ng  
 RT: 11.14 min Scan# 1539  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.9  | 51.1  | 76.7  |
| 264     | 63.1  | 49.5  | 74.3  |

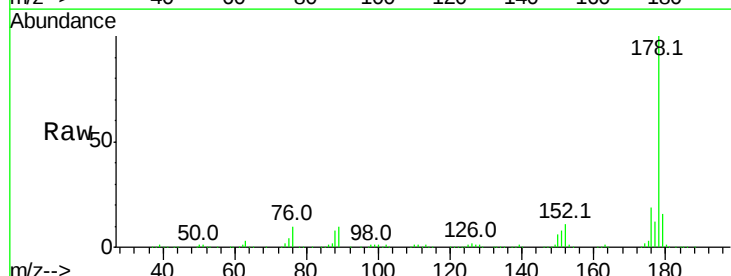


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

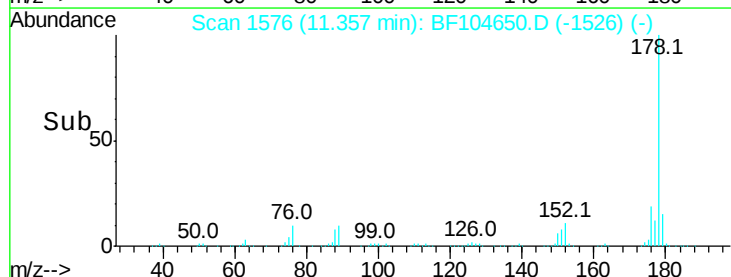
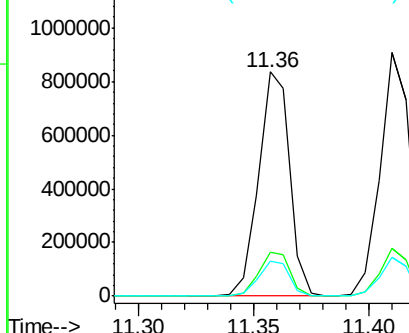


#70  
 Phenanthrene  
 Concen: 37.996 ng  
 RT: 11.36 min Scan# 1576  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.8  | 23.8  |
| 179     | 15.7  | 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

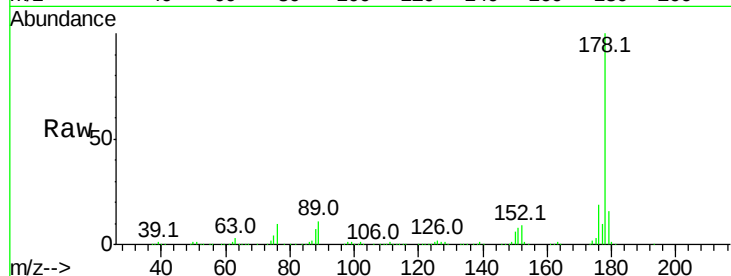




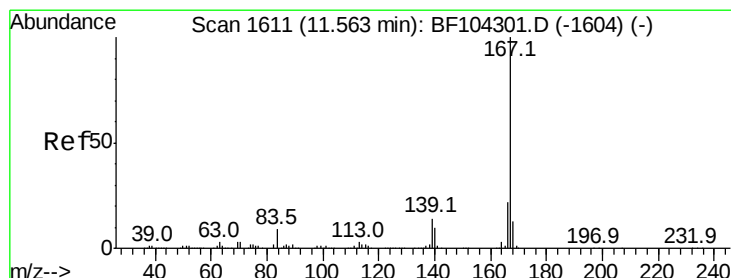
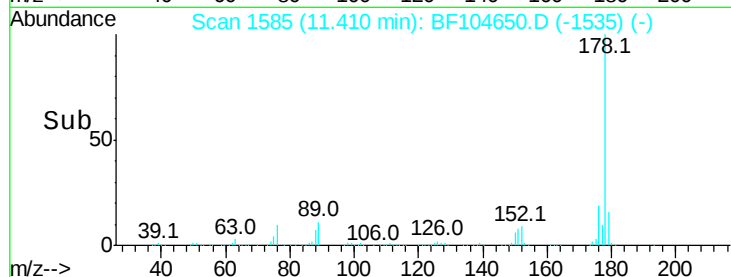
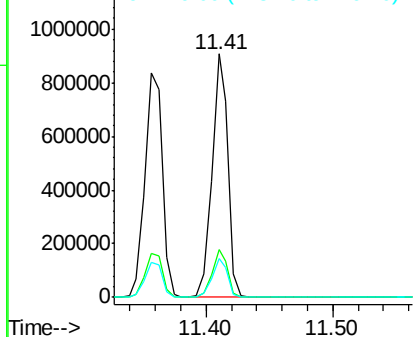
#71  
 Anthracene  
 Concen: 38.087 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 800886  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.4 23.2  
 179 15.9 12.6 19.0

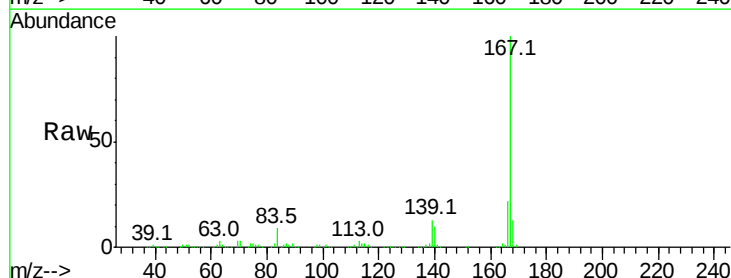


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

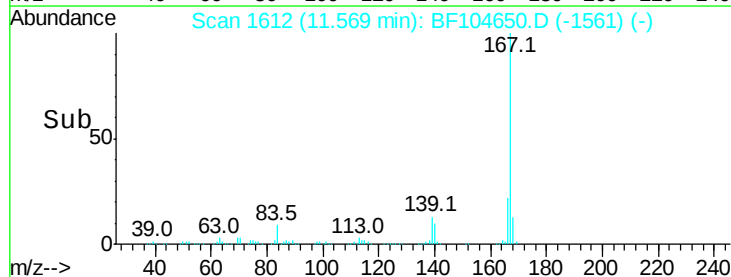
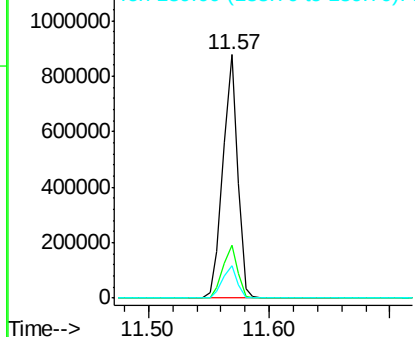


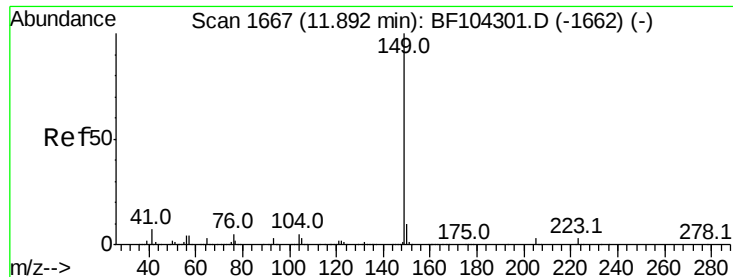
#72  
 Carbazole  
 Concen: 35.922 ng  
 RT: 11.57 min Scan# 1612  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

Tgt Ion:167 Resp: 738121  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.6 26.4  
 139 13.4 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: 39.657 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

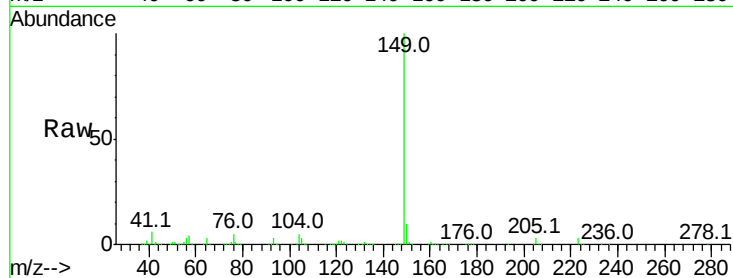
Tot Ion:149 Resp: 995422

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

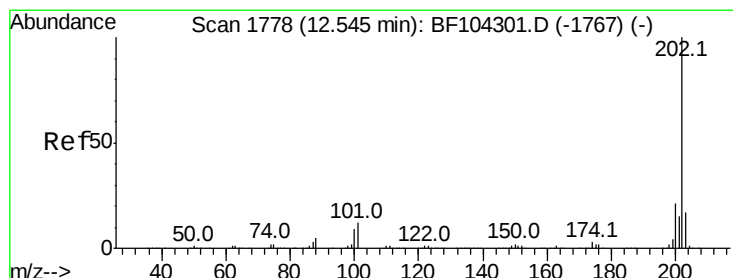
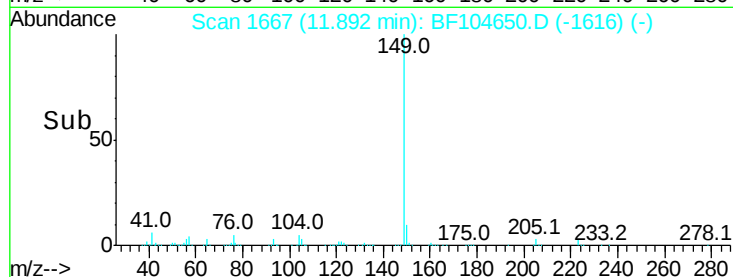
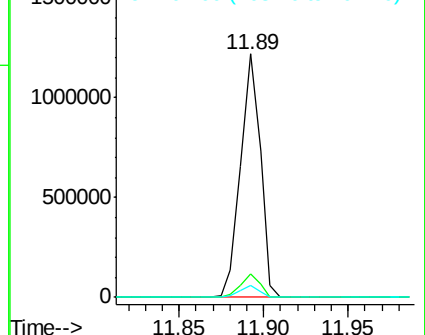
104 5.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 34.229 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

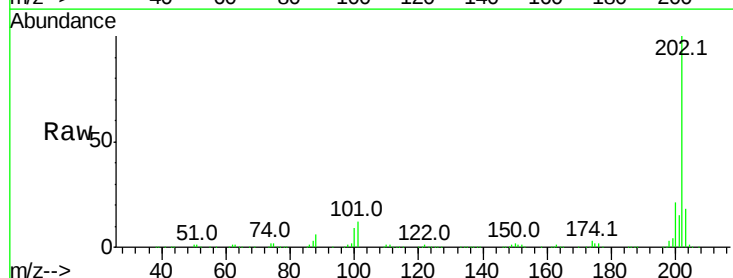
Tgt Ion:202 Resp: 739799

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

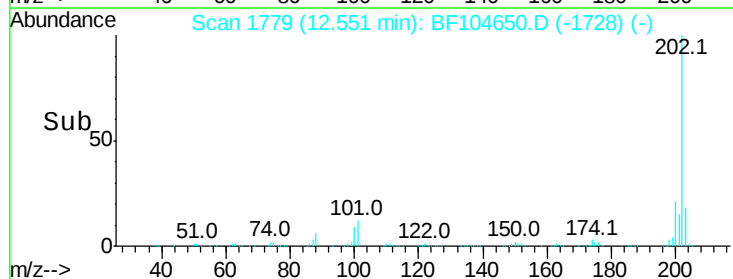
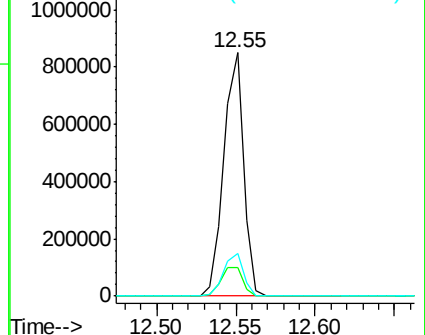
203 17.6 0.0 38.1

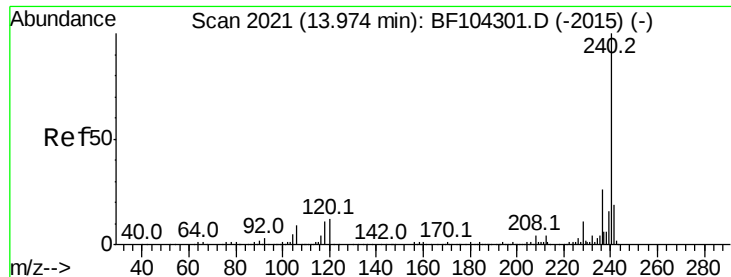


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

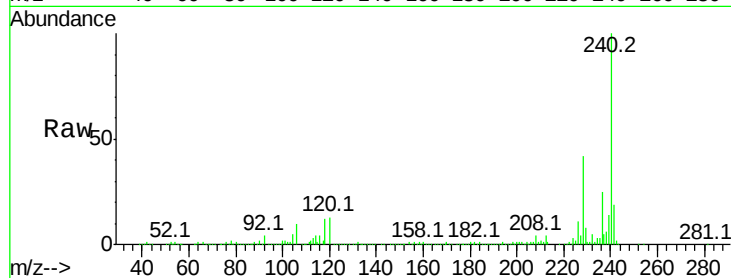
Tot Ion:240 Resp: 266918

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

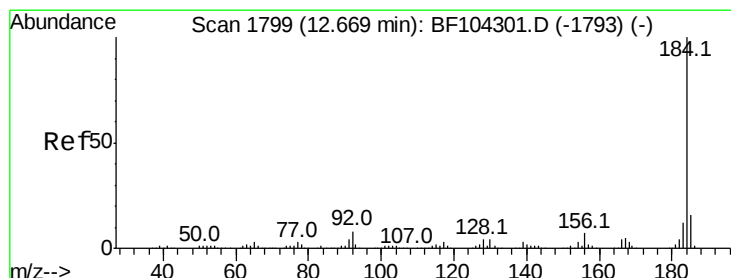
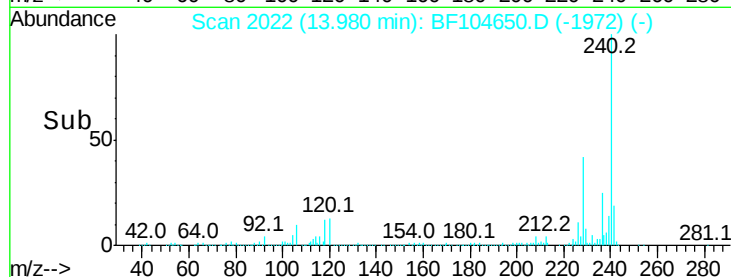
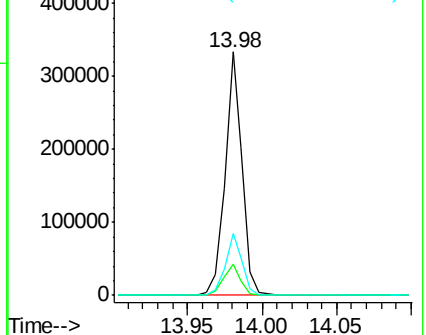
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 45.017 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

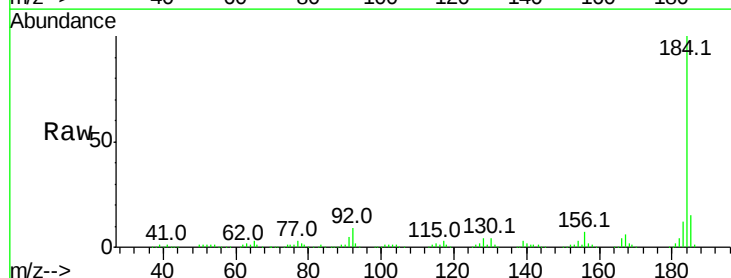
Tgt Ion:184 Resp: 393431

Ion Ratio Lower Upper

184 100

185 14.5 12.6 18.8

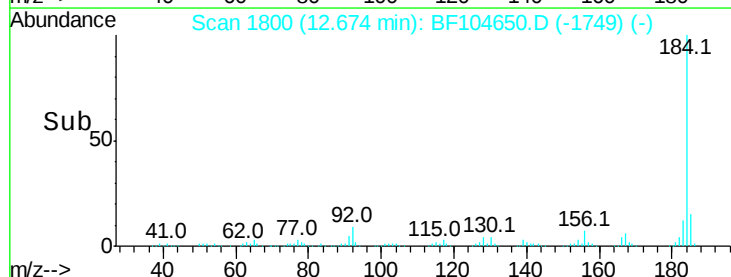
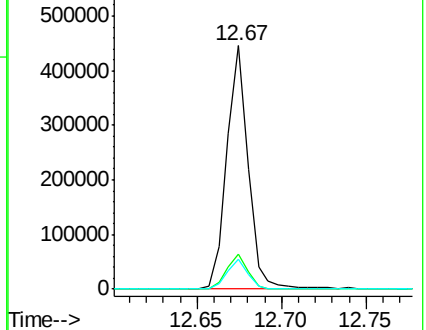
183 12.2 9.3 13.9

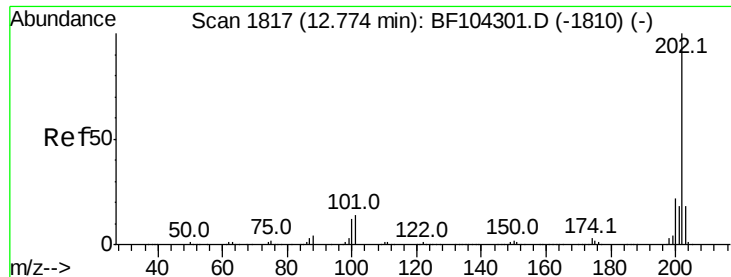


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 37.474 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

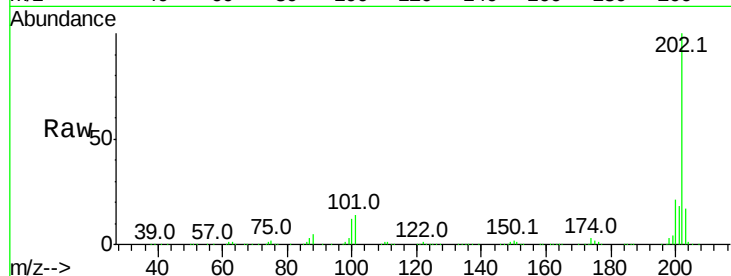
Tot Ion:202 Resp: 741415

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

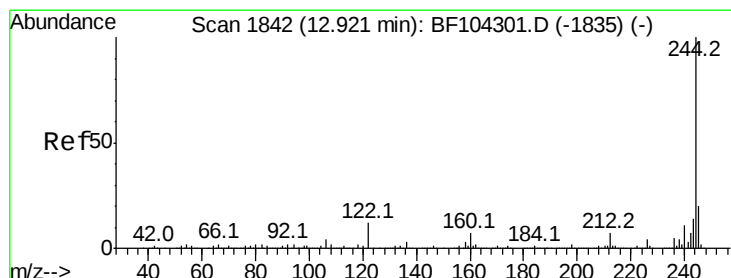
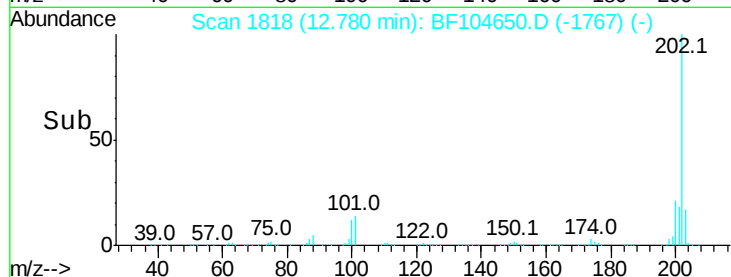
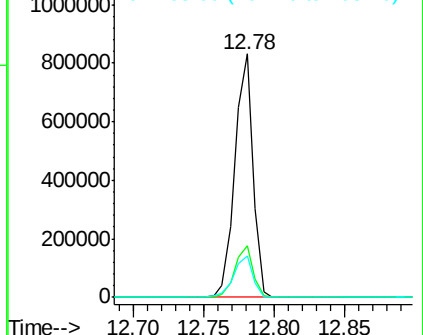
203 16.7 14.3 21.5



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: 86.620 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

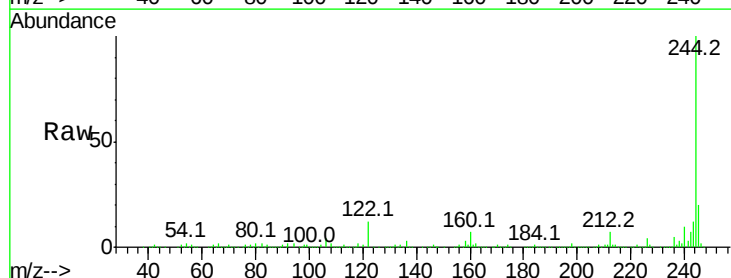
Tgt Ion:244 Resp: 1014132

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

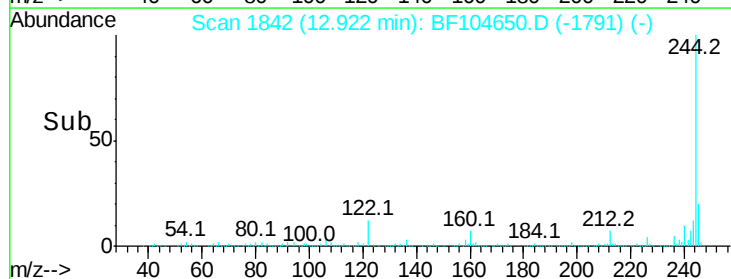
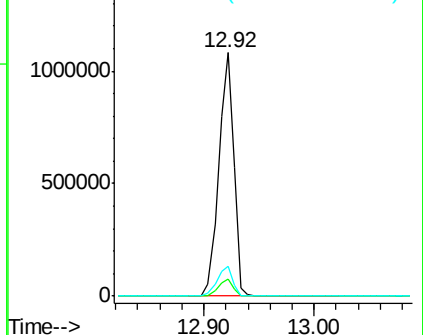
122 12.3 11.0 16.4

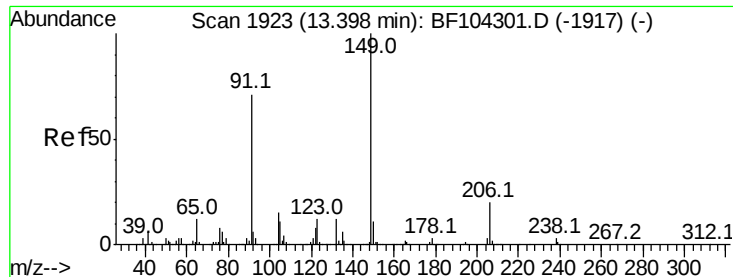


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

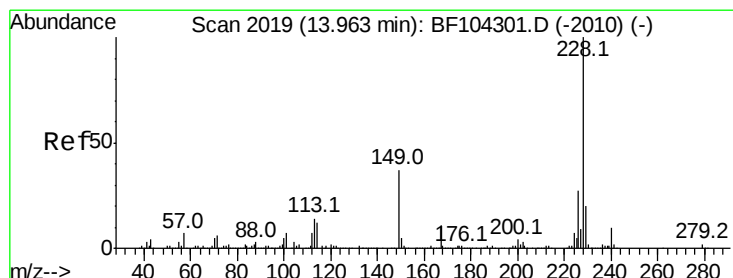
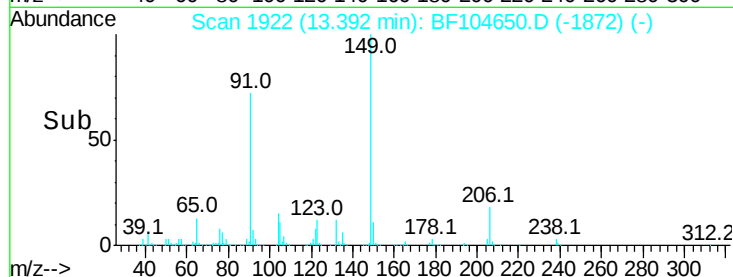
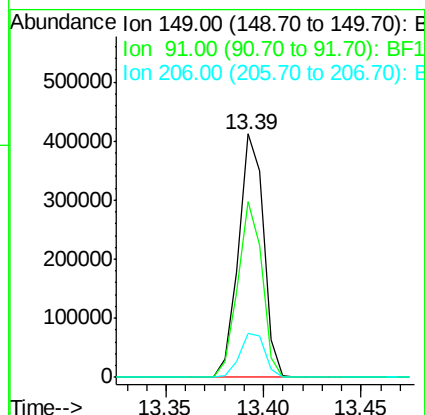
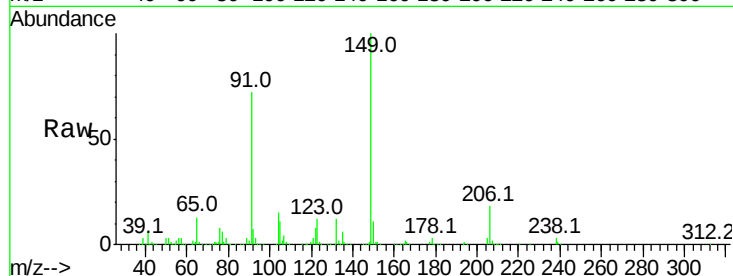




#79  
Butylbenzylphthalate  
Concen: 39.362 ng  
RT: 13.39 min Scan# 1922  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

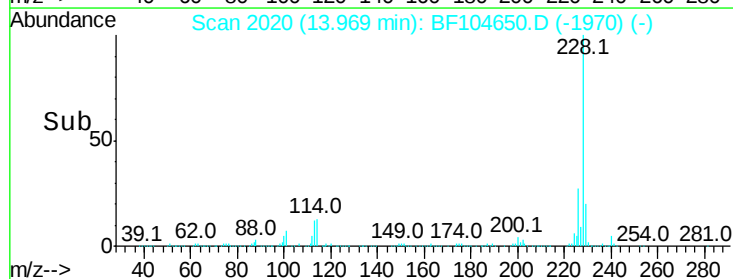
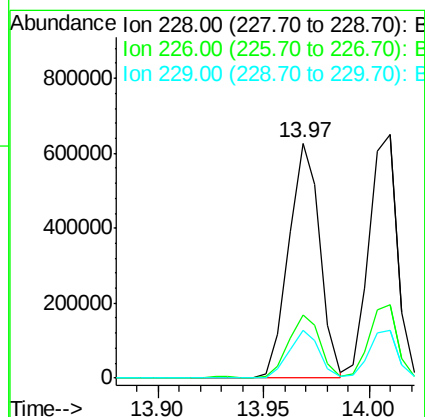
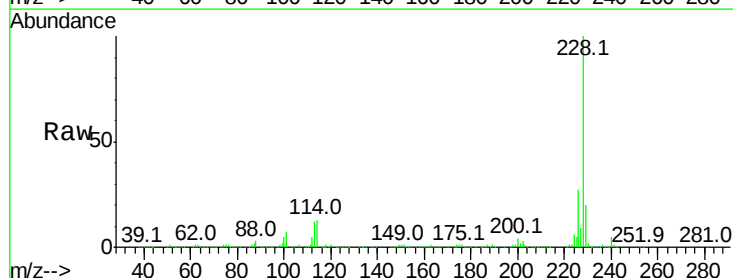
Instrument :  
BNA\_F  
ClientSampled :

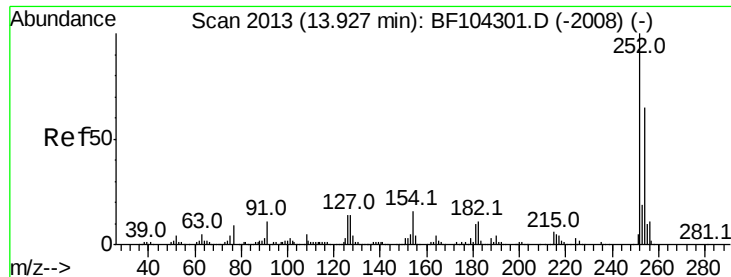
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 72.3  | 56.8  | 85.2  |
| 206     | 17.9  | 14.1  | 21.1  |



#80  
Benzo(a)anthracene  
Concen: 40.319 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.8  | 22.6  | 33.8  |
| 229     | 20.1  | 15.8  | 23.6  |

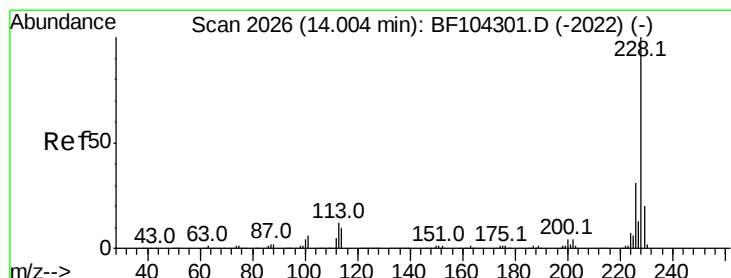
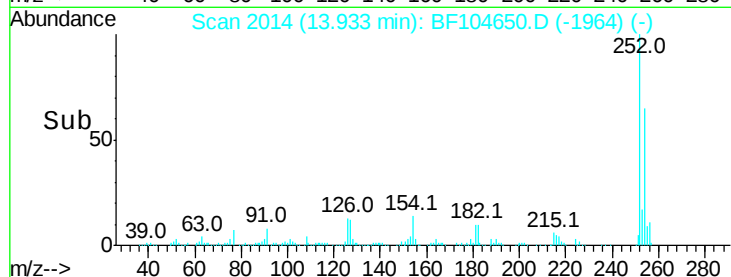
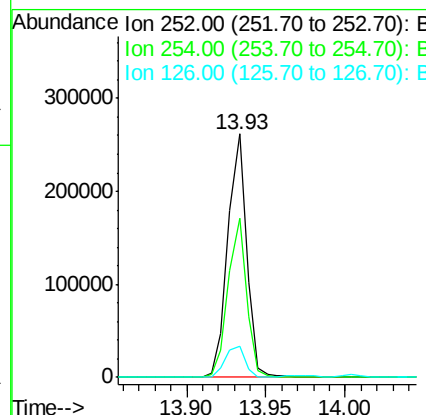




#81  
 3,3'-Dichlorobenzidine  
 Concen: 36.429 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

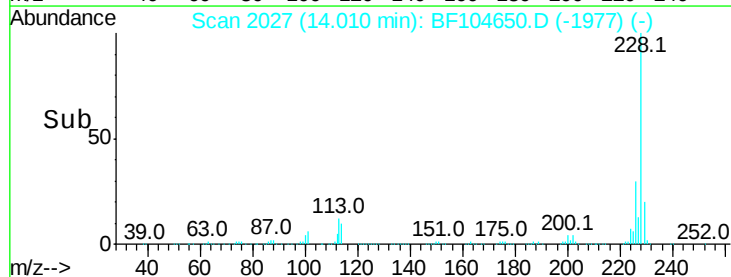
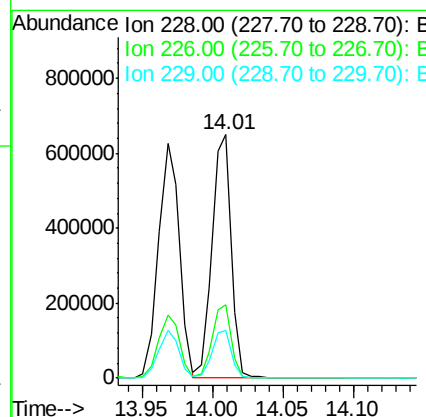
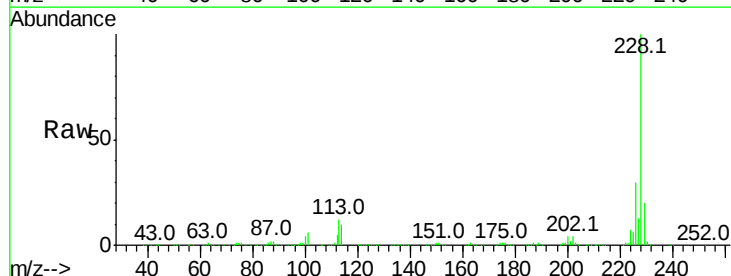
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.1  | 50.4  | 75.6  |
| 126     | 12.6  | 11.3  | 16.9  |



#82  
 Chrysene  
 Concen: 37.419 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 25.0  | 37.6  |
| 229     | 19.9  | 16.2  | 24.4  |

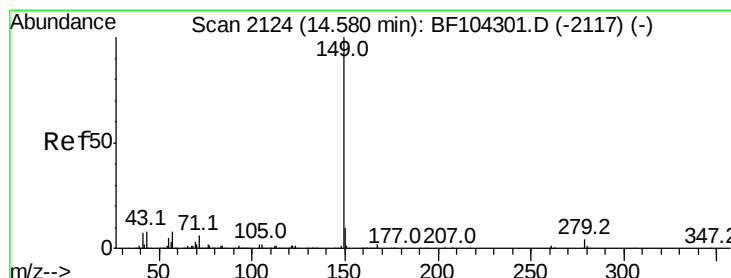
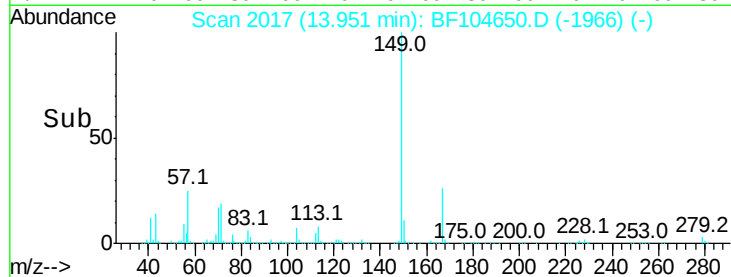
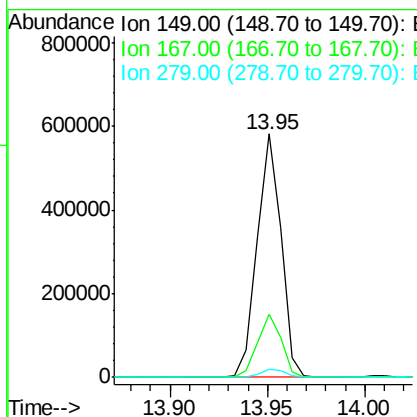
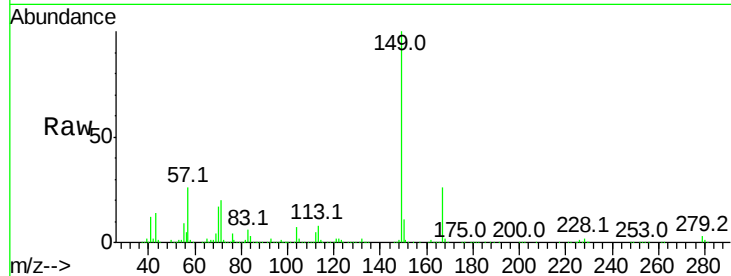




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.323 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

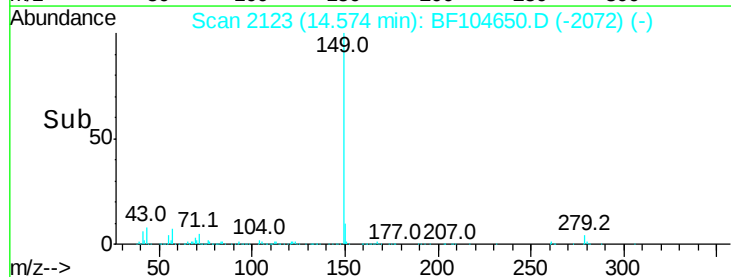
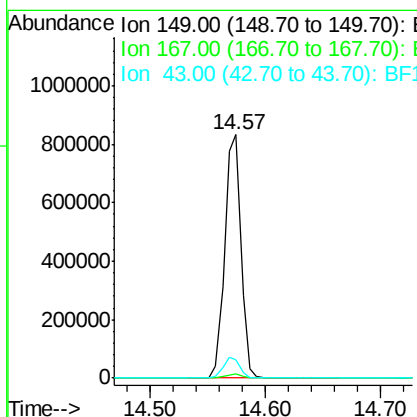
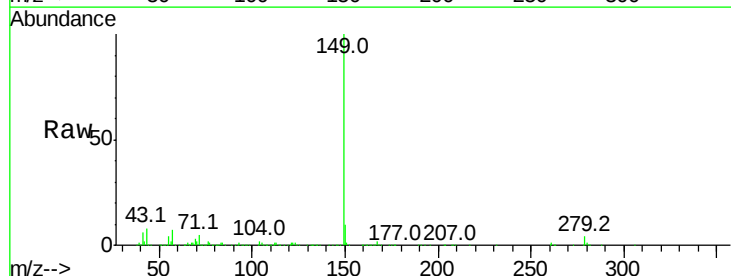
Instrument :  
 BNA\_F  
 ClientSampleId :

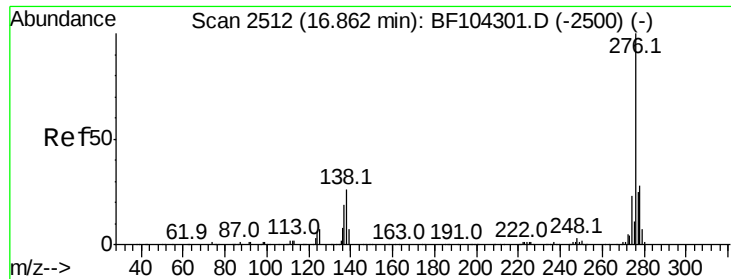
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:149 | Resp: | 495428    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 26.2  | 21.3 31.9 |
| 279         | 3.4   | 3.0 4.4   |



#84  
 Di-n-octyl phthalate  
 Concen: 40.462 ng  
 RT: 14.57 min Scan# 2123  
 Delta R.T. 0.00 min  
 Lab File: BF104650.D  
 Acq: 20 Apr 2018 1:09

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:149 | Resp: | 810569   |
| Ion Ratio   | Lower | Upper    |
| 149         | 100   |          |
| 167         | 1.6   | 1.2 1.8  |
| 43          | 8.4   | 8.4 12.6 |

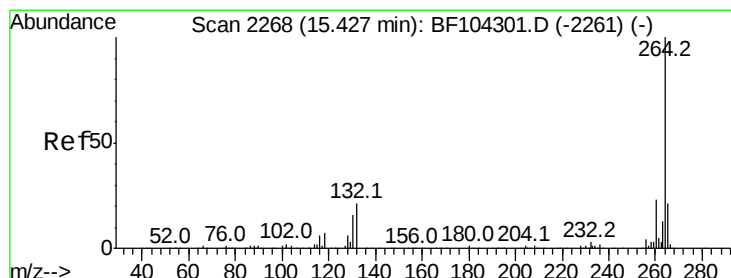
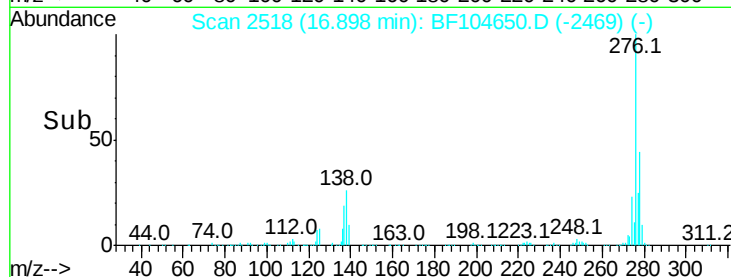
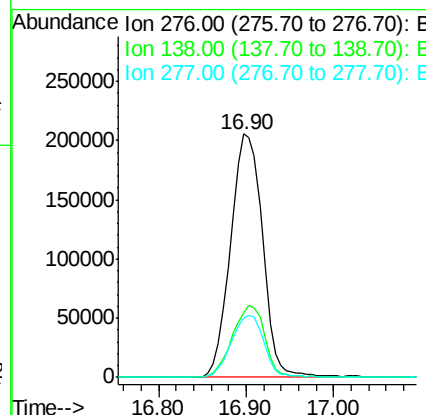
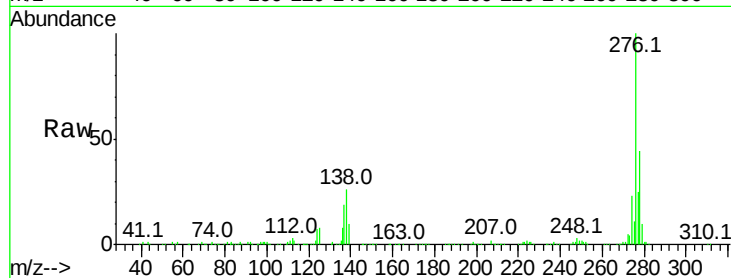




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 36.844 ng  
RT: 16.90 min Scan# 2518  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

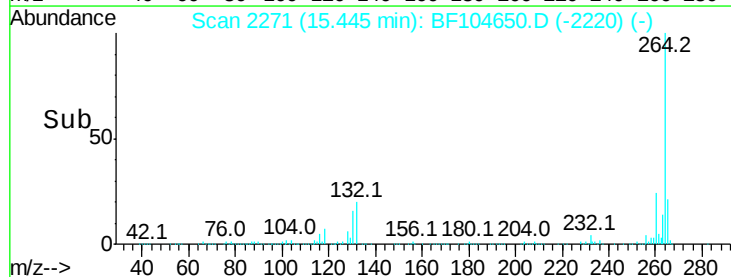
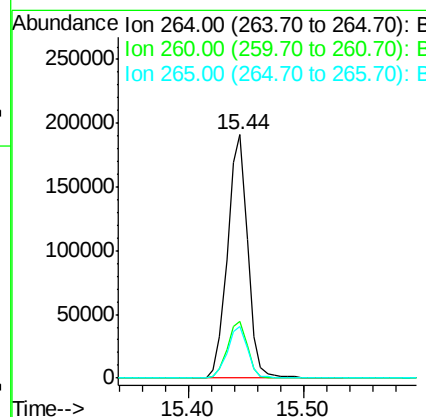
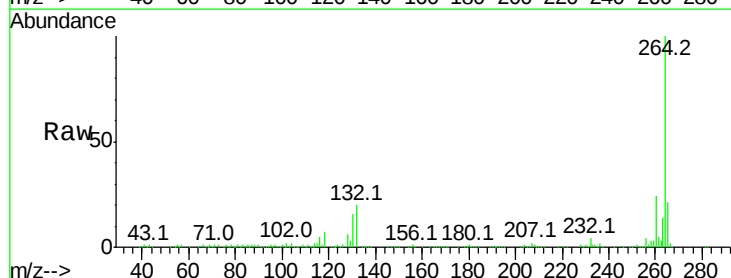
Instrument :  
BNA\_F  
ClientSampleId :

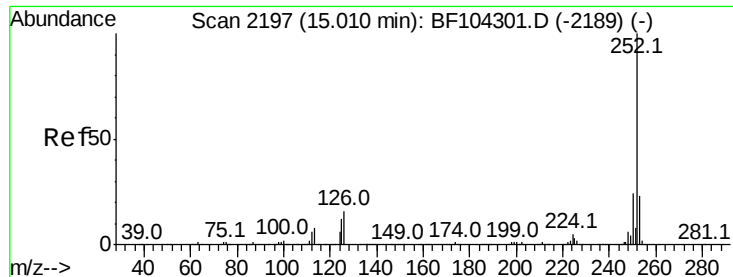
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.0  | 25.0  | 37.6  |
| 277     | 26.0  | 20.1  | 30.1  |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.1  | 17.5  | 26.3  |

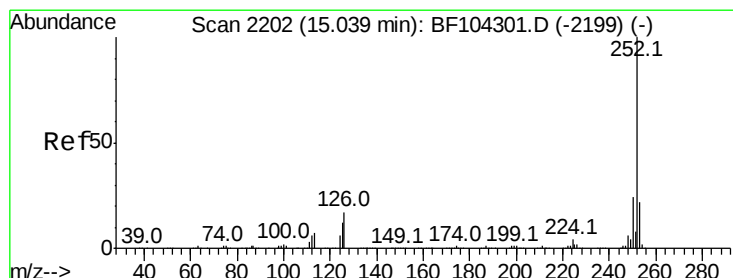
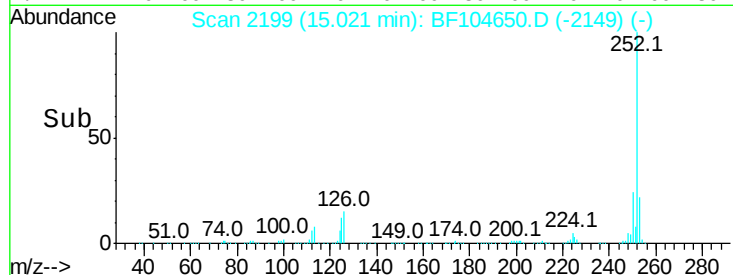
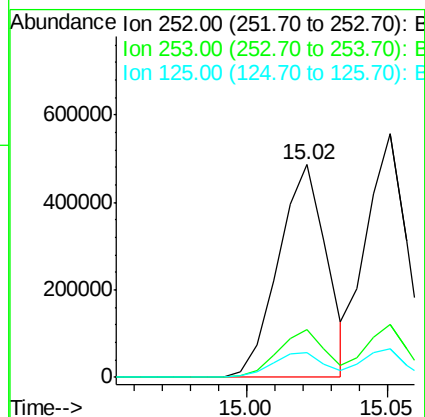
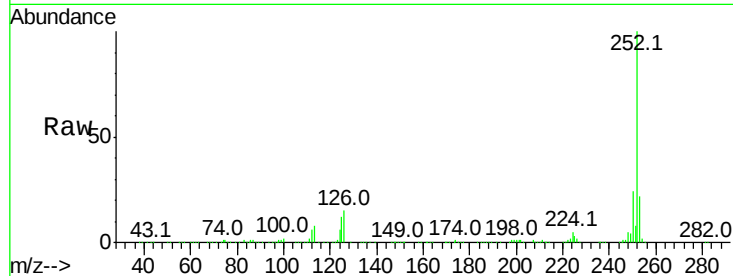




#87  
Benzo(b)fluoranthene  
Concen: 39.502 ng  
RT: 15.02 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

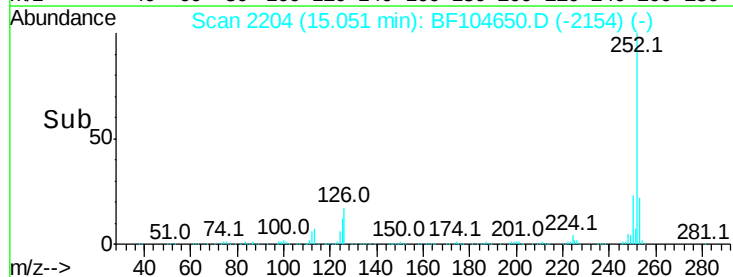
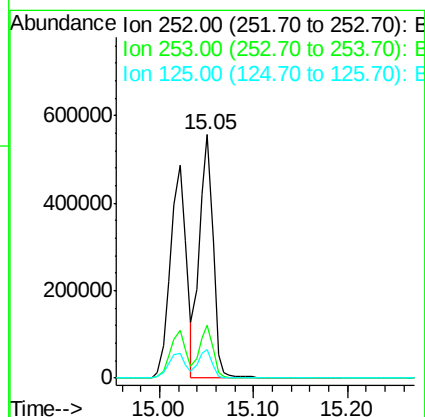
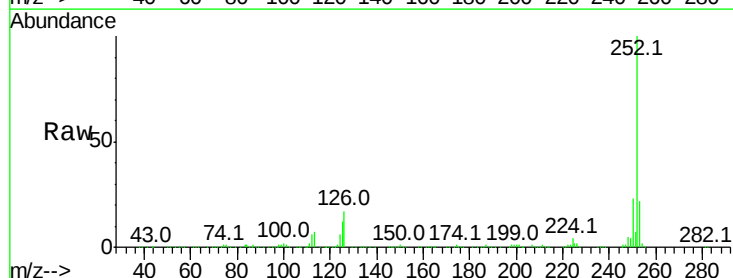
Instrument :  
BNA\_F  
ClientSampleId :

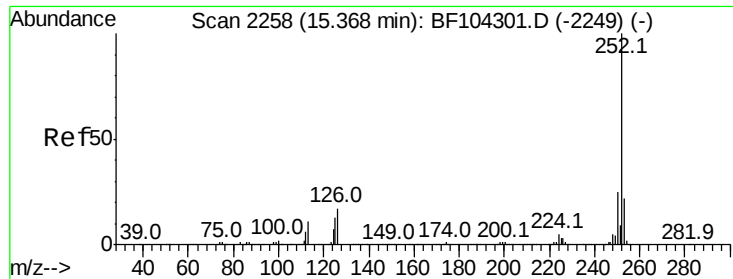
Tot Ion:252 Resp: 575168  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.0 25.6  
125 11.8 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 40.698 ng  
RT: 15.05 min Scan# 2204  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion:252 Resp: 559451  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 11.9 10.2 15.2

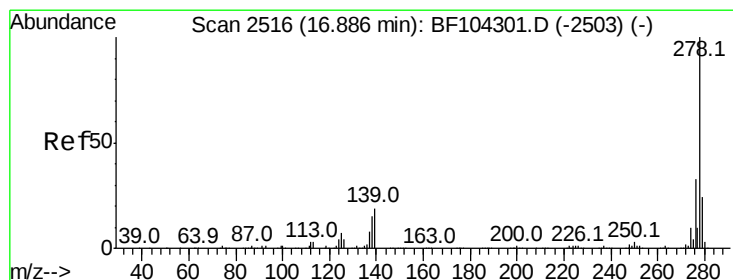
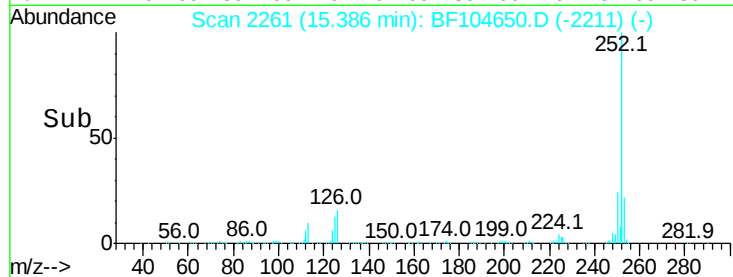
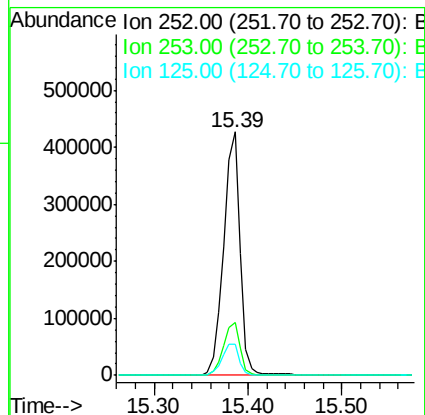
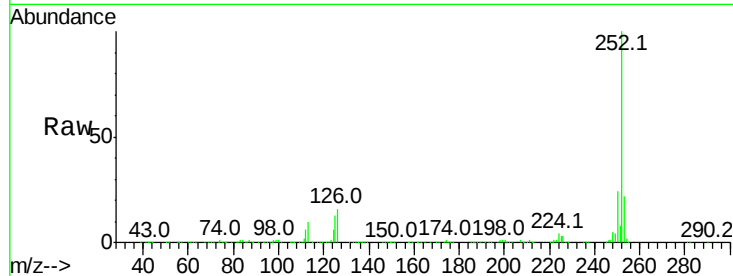




#89  
Benzo(a)pyrene  
Concen: 40.162 ng  
RT: 15.39 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

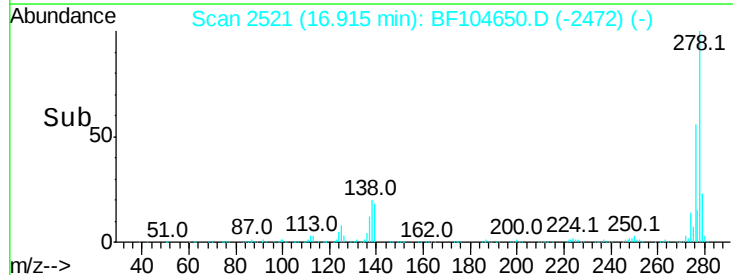
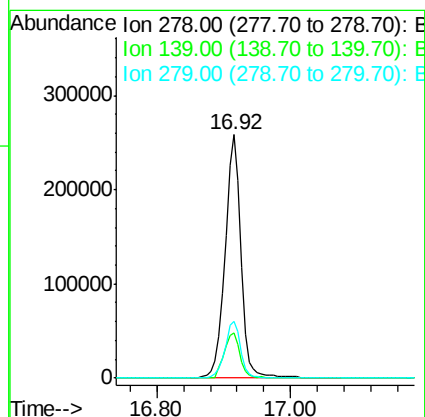
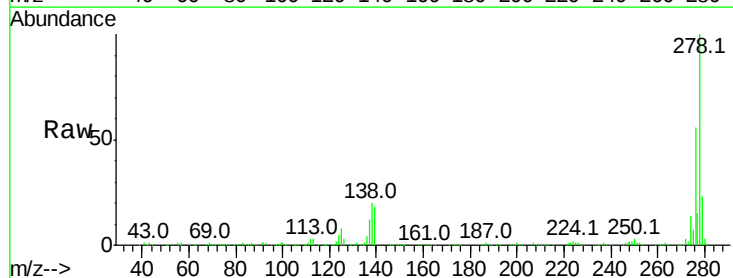
Instrument :  
BNA\_F  
ClientSampleId :

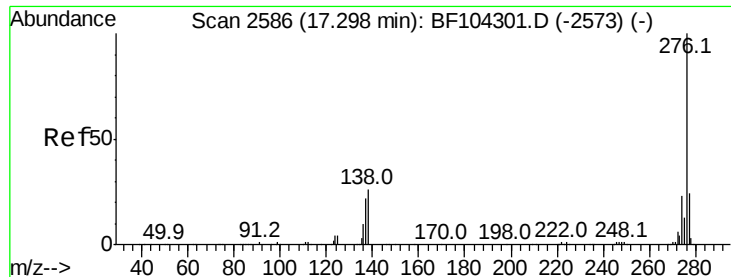
Tot Ion:252 Resp: 523229  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.1 25.7  
125 12.9 9.8 14.6



#90  
Dibenzo(a,h)anthracene  
Concen: 40.853 ng  
RT: 16.92 min Scan# 2521  
Delta R.T. -0.01 min  
Lab File: BF104650.D  
Acq: 20 Apr 2018 1:09

Tgt Ion:278 Resp: 437126  
Ion Ratio Lower Upper  
278 100  
139 18.4 15.9 23.9  
279 23.3 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 40.178 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.01 min

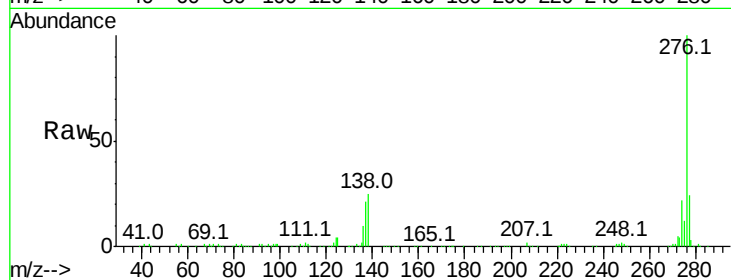
Lab File: BF104650.D

Acq: 20 Apr 2018 1:09

Instrument :

BNA\_F

ClientSampleId :



Tot Ion:276 Resp: 416501

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 24.6 21.8 32.8

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

