

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\  
 Data File : BF081542.D  
 Acq On : 9 Sep 2015 3:08  
 Operator : UM/IZ  
 Sample : G3585-04MS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

Quant Time: Sep 09 04:35:50 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 09 03:32:15 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.34  | 152  | 45870    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.63  | 136  | 176422   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.38  | 164  | 82271    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 10.84 | 188  | 145858   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.45 | 240  | 104076   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 14.75 | 264  | 88577    | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 4.90  | 112 | 156037 | 52.78  | ng | 0.02  |
| 7) Phenol-d6                | 6.02  | 99  | 416385 | 106.40 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 6.92  | 82  | 281018 | 76.85  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.16 | 330 | 10696  | 14.60  | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 8.72  | 172 | 420333 | 65.47  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.42 | 244 | 302515 | 67.66  | ng | 0.00  |

|                                |      |     |        |        |    |        |
|--------------------------------|------|-----|--------|--------|----|--------|
| Target Compounds               |      |     |        |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.72 | 88  | 45285  | 34.11  | ng | # 72   |
| 3) Pyridine                    | 2.25 | 79  | 162671 | 44.43  | ng | # 82   |
| 4) n-Nitrosodimethylamine      | 2.23 | 42  | 89008  | 43.76  | ng | # 70   |
| 6) Aniline                     | 6.01 | 93  | 102603 | 18.57  | ng | # 70   |
| 8) 2-Chlorophenol              | 6.14 | 128 | 99133  | 30.43  | ng | # 95   |
| 9) Benzaldehyde                | 5.88 | 77  | 87138  | 35.54  | ng | # 87   |
| 10) Phenol                     | 6.03 | 94  | 178208 | 39.27  | ng | # 47   |
| 11) bis(2-Chloroethyl)ether    | 6.10 | 93  | 147666 | 45.10  | ng | # 92   |
| 12) 1,3-Dichlorobenzene        | 6.28 | 146 | 144840 | 41.61  | ng | # 94   |
| 13) 1,4-Dichlorobenzene        | 6.36 | 146 | 143917 | 40.61  | ng | # 90   |
| 14) 1,2-Dichlorobenzene        | 6.51 | 146 | 121638 | 38.12  | ng | # 86   |
| 15) Benzyl Alcohol             | 6.51 | 79  | 134590 | 41.92  | ng | # 70   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.65 | 45  | 281847 | 44.91  | ng | # 5    |
| 17) 2-Methylphenol             | 6.65 | 107 | 112666 | 43.34  | ng | # 73   |
| 18) Hexachloroethane           | 6.86 | 117 | 50991  | 36.98  | ng | # 88   |
| 19) n-Nitroso-di-n-propylamine | 6.79 | 70  | 111444 | 41.84  | ng | # 88   |
| 20) 3+4-Methylphenols          | 6.81 | 107 | 144725 | 41.29  | ng | # 88   |
| 22) Acetophenone               | 6.78 | 105 | 208459 | 43.26  | ng | # 75   |
| 24) Nitrobenzene               | 6.95 | 77  | 180452 | 47.52  | ng | # 65   |
| 25) Isophorone                 | 7.19 | 82  | 279115 | 41.04  | ng | # 81   |
| 26) 2-Nitrophenol              | 7.27 | 139 | 18437  | 11.14  | ng | # 58   |
| 27) 2,4-Dimethylphenol         | 7.34 | 122 | 128194 | 44.84  | ng | # 81   |
| 28) bis(2-Chloroethoxy)methane | 7.42 | 93  | 171407 | 43.63  | ng | # 90   |
| 29) 2,4-Dichlorophenol         | 7.52 | 162 | 67235  | 27.12  | ng | # 92   |
| 30) 1,2,4-Trichlorobenzene     | 7.59 | 180 | 113267 | 42.06  | ng | # 97   |
| 31) Naphthalene                | 7.67 | 128 | 957572 | 101.77 | ng | # 99   |
| 32) Benzoic acid               | 7.34 | 122 | 128194 | 62.03  | ng | # 29   |
| 33) 4-Chloroaniline            | 7.72 | 127 | 86452  | 22.53  | ng | # 82   |
| 34) Hexachlorobutadiene        | 7.78 | 225 | 65079  | 39.71  | ng | # 96   |
| 35) Caprolactam                | 8.08 | 113 | 31119  | 40.93  | ng | # 17   |
| 36) 4-Chloro-3-methylphenol    | 8.24 | 107 | 130493 | 47.03  | ng | # 76   |
| 37) 2-Methylnaphthalene        | 8.35 | 142 | 272416 | 44.49  | ng | # 90   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.51 | 216 | 97758  | 37.57  | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 8.50 | 237 | 9026   | 7.07   | ng | # 97   |

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 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

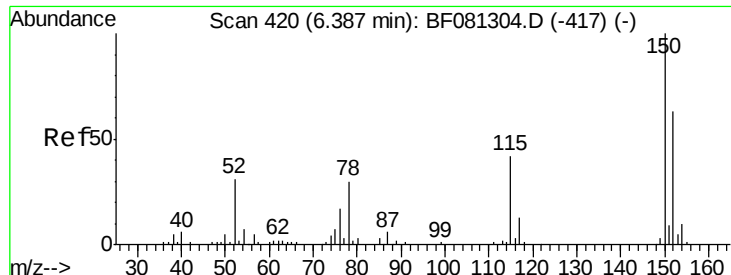
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

Quant Time: Sep 09 04:35:50 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 09 03:32:15 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.64  | 196  | 7090     | 3.95   | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 8.68  | 196  | 18848    | 10.29  | nq    | # 77     |
| 45) 1,1'-Biphenyl              | 8.81  | 154  | 283174   | 37.41  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 8.83  | 162  | 228872   | 41.87  | nq    | # 91     |
| 47) 2-Nitroaniline             | 8.95  | 65   | 104485   | 46.90  | nq    | # 74     |
| 48) Acenaphthylene             | 9.23  | 152  | 351047   | 36.20  | nq    | 96       |
| 49) Dimethylphthalate          | 9.13  | 163  | 400876   | 62.71  | nq    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.19  | 165  | 48184    | 33.21  | nq    | # 1      |
| 51) Acenaphthene               | 9.42  | 154  | 204333   | 37.04  | nq    | 88       |
| 52) 3-Nitroaniline             | 9.36  | 138  | 57692    | 34.93  | nq    | # 87     |
| 54) Dibenzofuran               | 9.58  | 168  | 298200   | 37.02  | nq    | # 79     |
| 55) 4-Nitrophenol              | 9.58  | 139  | 125240   | 120.70 | nq    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.59  | 165  | 71708    | 38.82  | nq    | # 43     |
| 57) Fluorene                   | 9.92  | 166  | 259219   | 42.41  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.71  | 232  | 2814     | 2.01   | nq    | # 74     |
| 59) Diethylphthalate           | 9.83  | 149  | 300015   | 44.62  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 9.92  | 204  | 107748   | 37.82  | nq    | # 68     |
| 61) 4-Nitroaniline             | 9.95  | 138  | 55513    | 33.27  | nq    | # 14     |
| 62) Azobenzene                 | 10.08 | 77   | 317563   | 42.48  | nq    | 83       |
| 65) n-Nitrosodiphenylamine     | 10.04 | 169  | 225834   | 42.55  | nq    | 91       |
| 66) 4-Bromophenyl-phenylether  | 10.41 | 248  | 61787    | 41.89  | nq    | # 86     |
| 67) Hexachlorobenzene          | 10.46 | 284  | 58863    | 38.17  | nq    | # 67     |
| 68) Atrazine                   | 10.58 | 200  | 62330    | 40.58  | nq    | 83       |
| 69) Pentachlorophenol          | 10.67 | 266  | 727      | 9.61   | nq    | 94       |
| 70) Phenanthrene               | 10.87 | 178  | 348849   | 43.02  | nq    | 97       |
| 71) Anthracene                 | 10.91 | 178  | 317604   | 38.12  | nq    | 98       |
| 72) Carbazole                  | 11.08 | 167  | 330058   | 42.22  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.44 | 149  | 406328   | 44.02  | nq    | # 98     |
| 74) Fluoranthene               | 12.03 | 202  | 282412   | 32.17  | nq    | 90       |
| 76) Benzidine                  | 12.18 | 184  | 139843   | 31.30  | nq    | 98       |
| 77) Pyrene                     | 12.26 | 202  | 298056   | 38.66  | nq    | 98       |
| 79) Butylbenzylphthalate       | 12.91 | 149  | 146271   | 43.63  | nq    | 98       |
| 80) Benzo(a)anthracene         | 13.44 | 228  | 258777   | 39.04  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.42 | 252  | 66567    | 29.77  | nq    | # 96     |
| 82) Chrysene                   | 13.47 | 228  | 199861   | 33.64  | nq    | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 13.47 | 149  | 195468   | 44.18  | nq    | # 88     |
| 84) Di-n-octyl phthalate       | 14.08 | 149  | 314194   | 43.13  | nq    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 15.83 | 276  | 189281   | 43.42  | nq    | # 86     |
| 87) Benzo(b)fluoranthene       | 14.46 | 252  | 463023   | 73.22  | nq    | # 84     |
| 88) Benzo(k)fluoranthene       | 14.46 | 252  | 463023   | 88.24  | nq    | # 85     |
| 89) Benzo(a)pyrene             | 14.71 | 252  | 202316   | 37.75  | nq    | # 87     |
| 90) Dibenzo(a,h)anthracene     | 15.84 | 278  | 166235   | 40.15  | nq    | # 80     |
| 91) Benzo(g,h,i)perylene       | 16.15 | 276  | 142543   | 36.07  | nq    | # 71     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

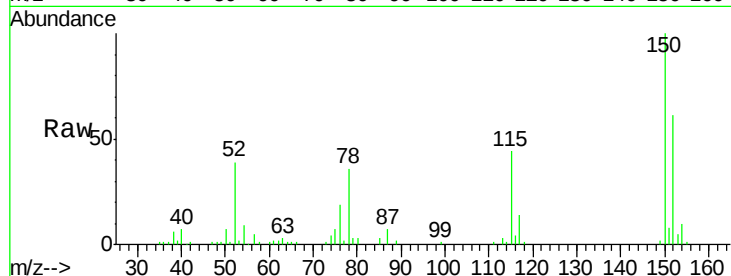
Tot Ion:152 Resp: 45870

Ion Ratio Lower Upper

152 100

150 164.6 124.7 187.1

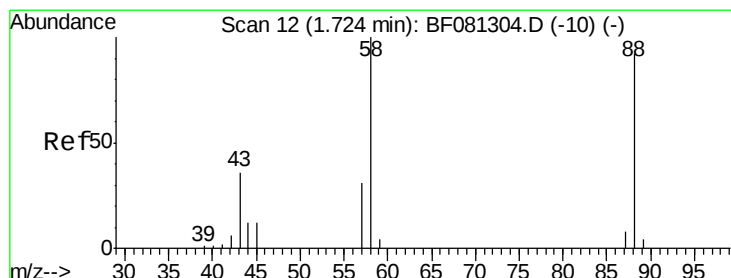
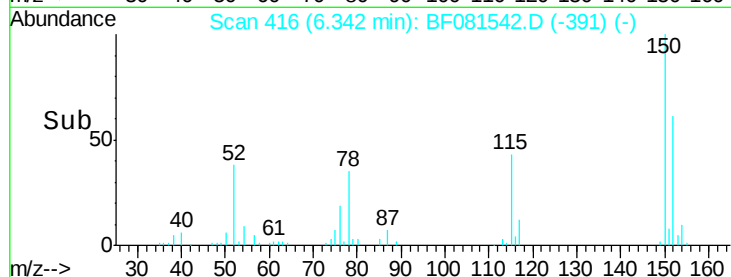
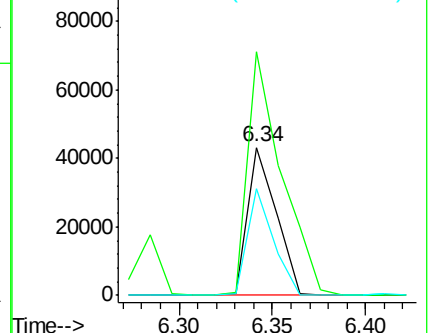
115 72.0 39.0 58.4#



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: 34.11 ng

RT: 1.72 min Scan# 12

Delta R.T. 0.06 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

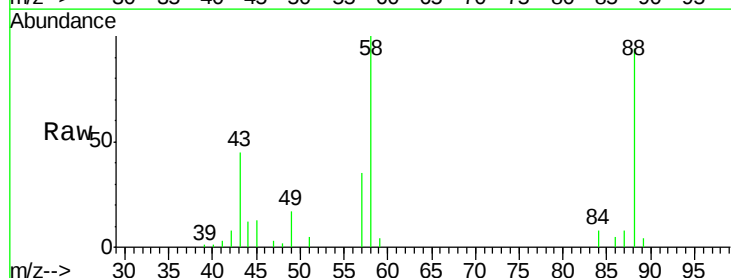
Tgt Ion: 88 Resp: 45285

Ion Ratio Lower Upper

88 100

58 115.4 77.7 116.5

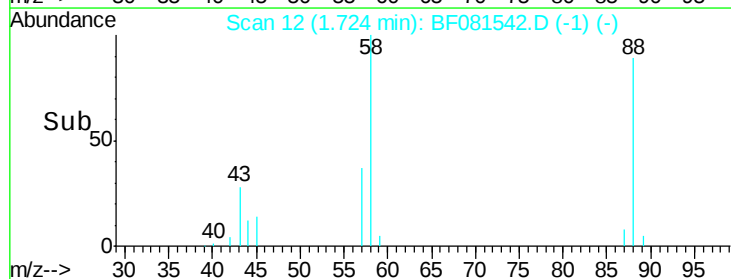
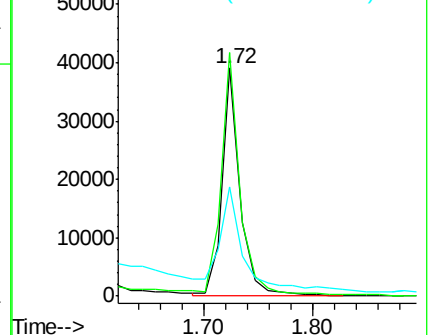
43 64.6 26.6 40.0#

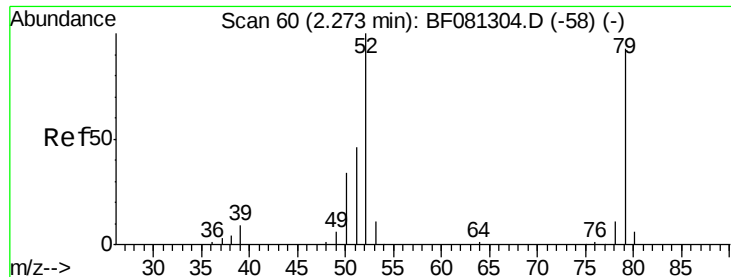


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 44.43 ng

RT: 2.25 min Scan# 58

Delta R.T. 0.05 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

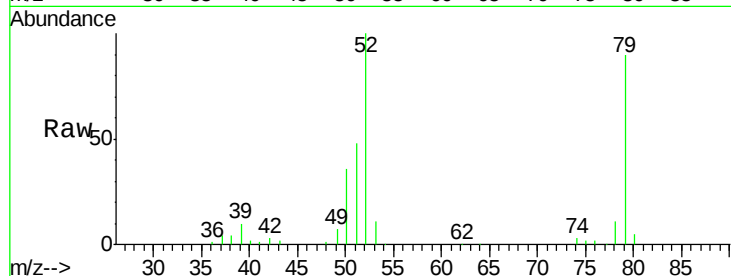
Tot Ion: 79 Resp: 162671

Ion Ratio Lower Upper

79 100

52 111.4 76.8 115.2

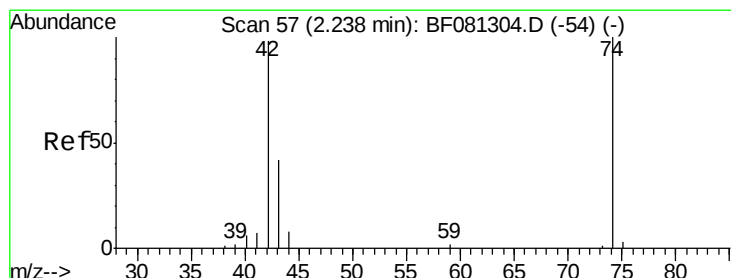
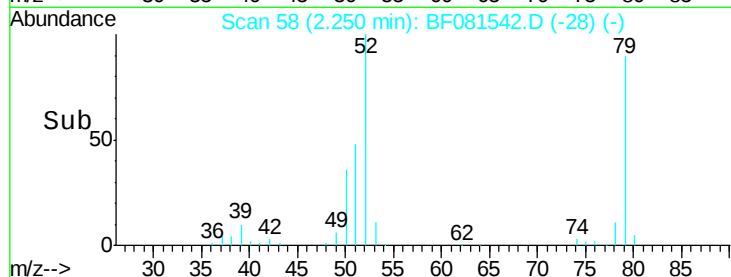
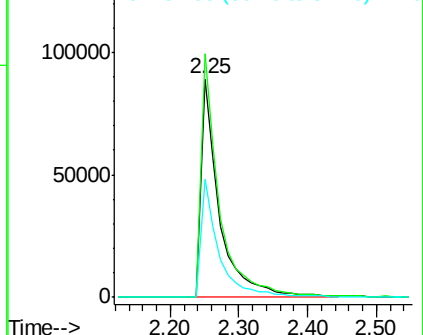
51 53.8 32.2 48.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 43.76 ng

RT: 2.23 min Scan# 56

Delta R.T. 0.05 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

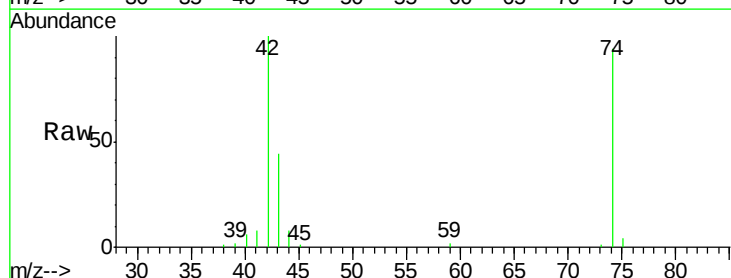
Tgt Ion: 42 Resp: 89008

Ion Ratio Lower Upper

42 100

74 94.3 105.0 157.6#

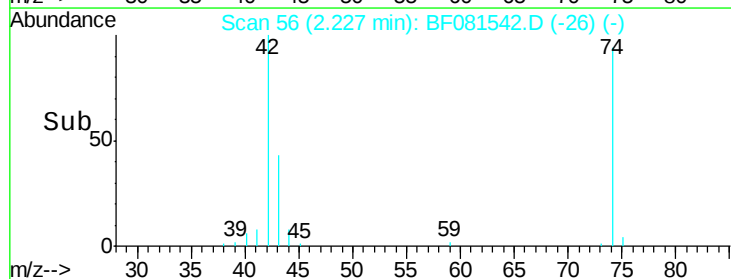
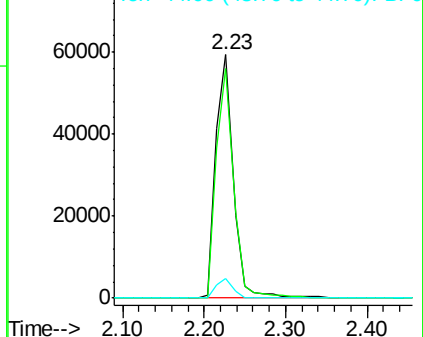
44 7.9 6.6 10.0

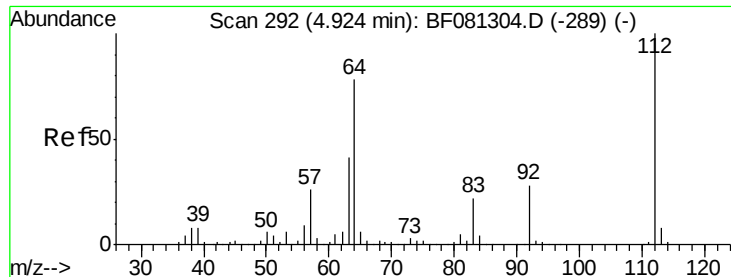


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 52.78 ng

RT: 4.90 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

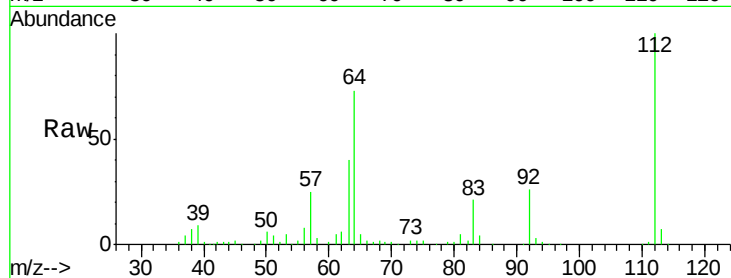
Tot Ion:112 Resp: 156037

Ion Ratio Lower Upper

112 100

64 72.6 39.7 59.5#

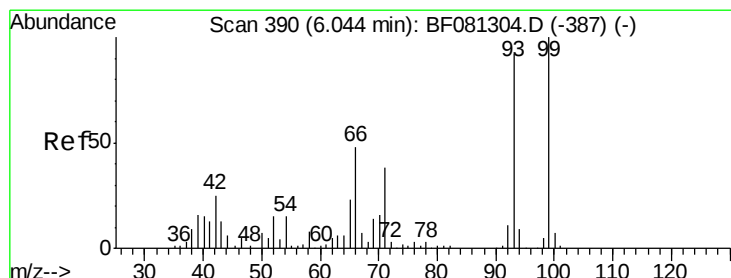
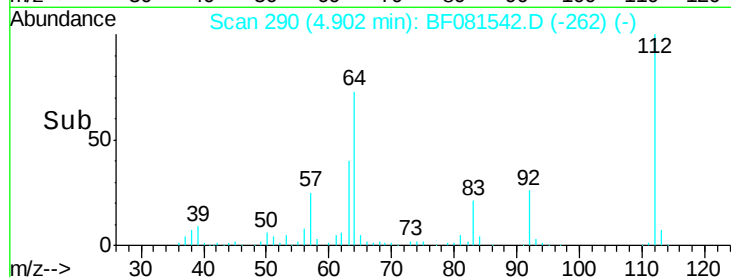
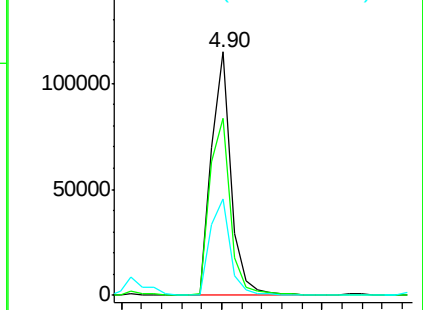
63 39.5 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.57 ng

RT: 6.01 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

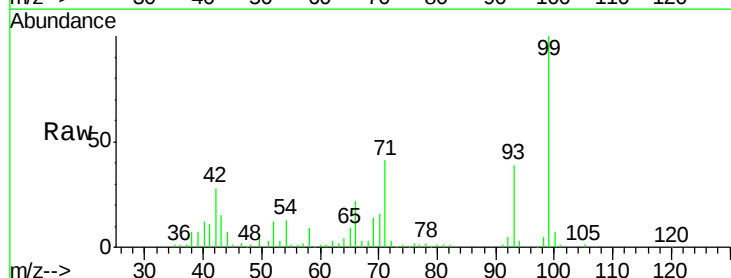
Tgt Ion: 93 Resp: 102603

Ion Ratio Lower Upper

93 100

66 57.1 27.2 40.8#

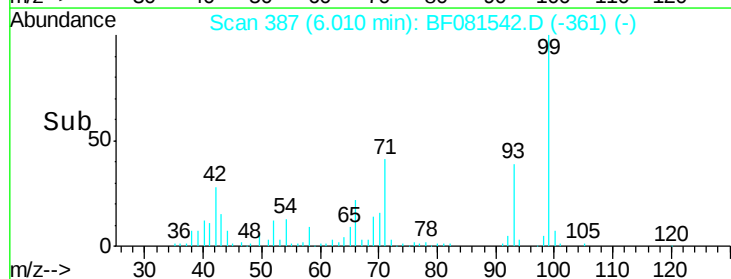
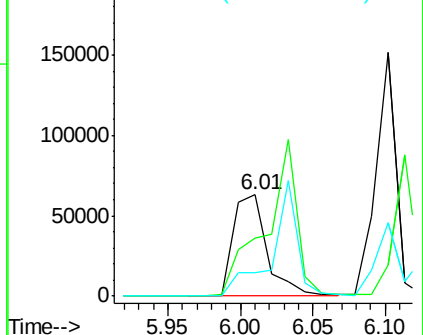
65 23.3 14.7 22.1#

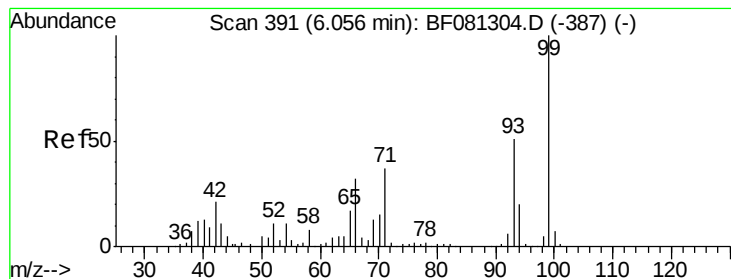


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 106.40 ng

RT: 6.02 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

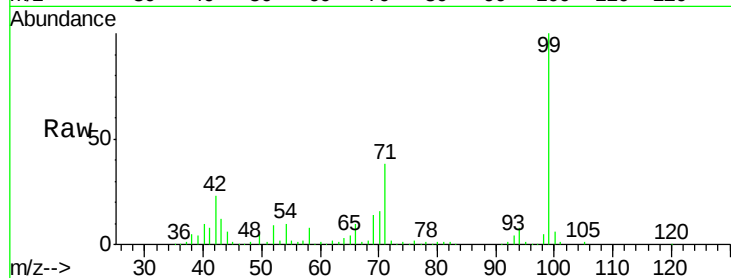
Tot Ion: 99 Resp: 416385

Ion Ratio Lower Upper

99 100

42 23.4 13.7 20.5#

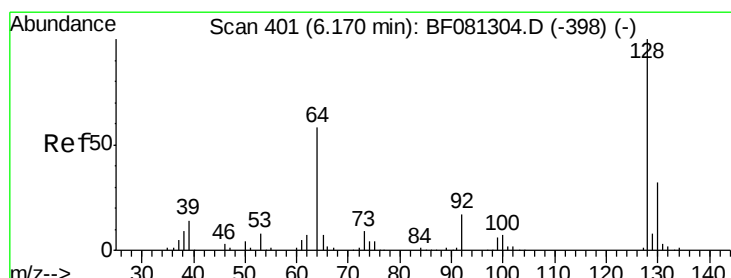
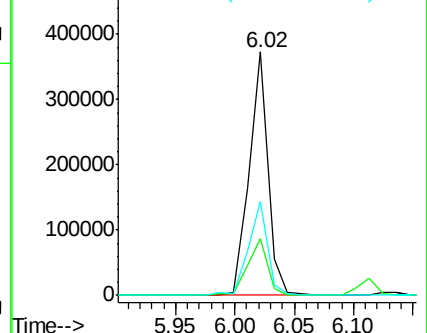
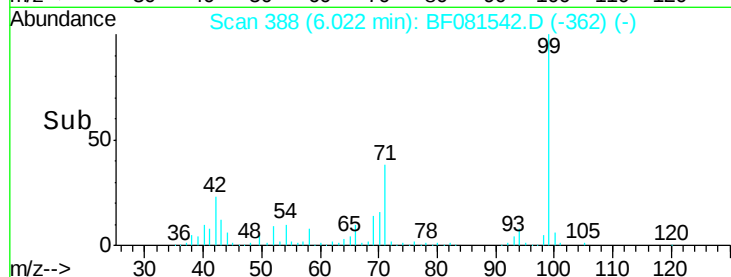
71 38.3 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 30.43 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

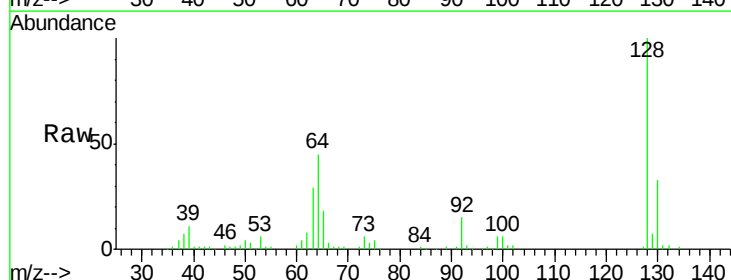
Tgt Ion: 128 Resp: 99133

Ion Ratio Lower Upper

128 100

130 33.5 12.2 52.2

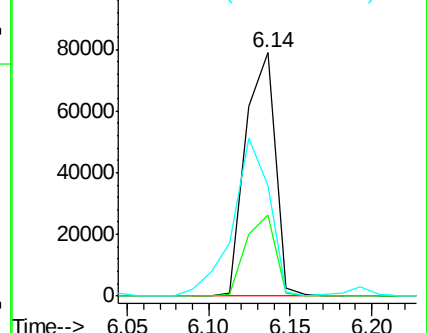
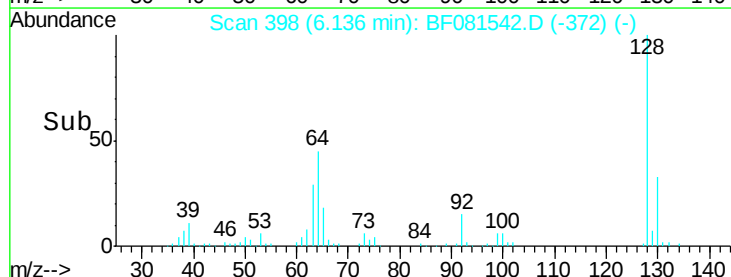
64 45.1 20.5 60.5

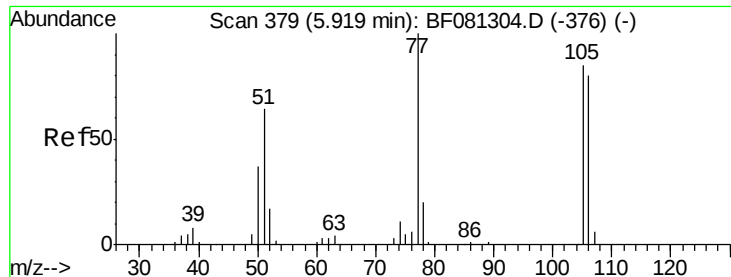


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 35.54 ng

RT: 5.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

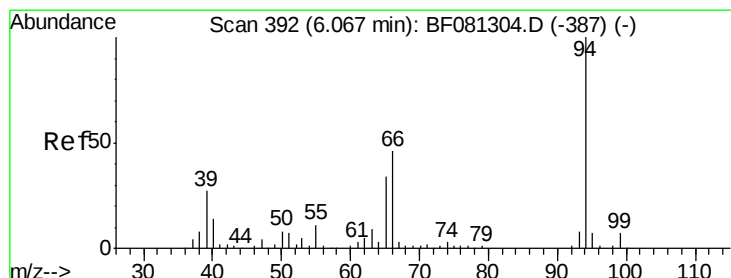
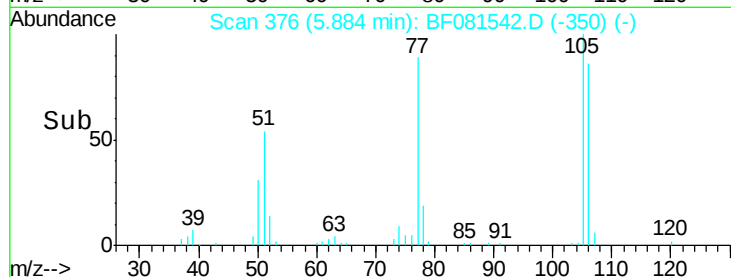
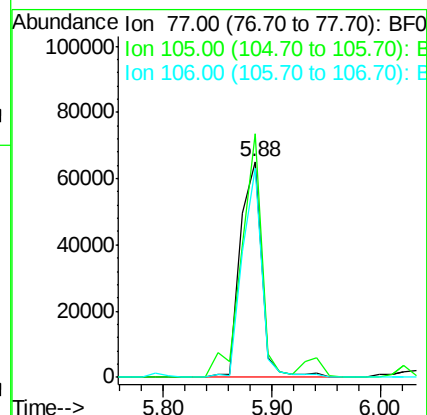
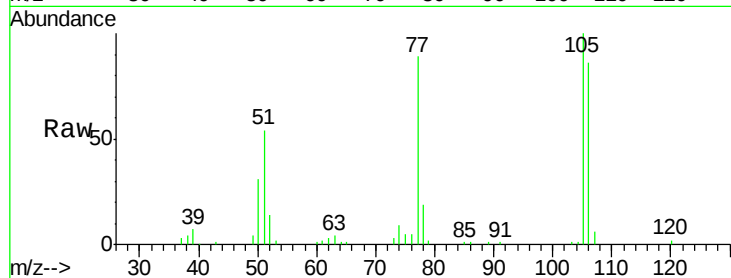
Tot Ion: 77 Resp: 87138

Ion Ratio Lower Upper

77 100

105 112.7 91.6 131.6

106 96.5 102.6 142.6#



#10

Phenol

Concen: 39.27 ng

RT: 6.03 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

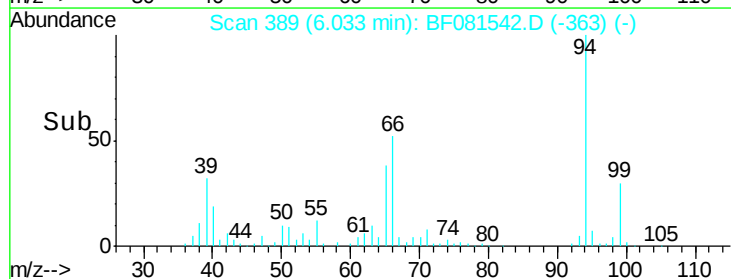
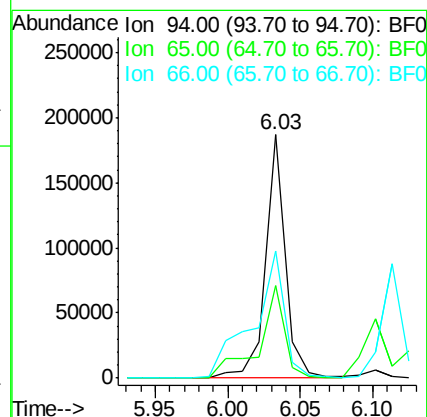
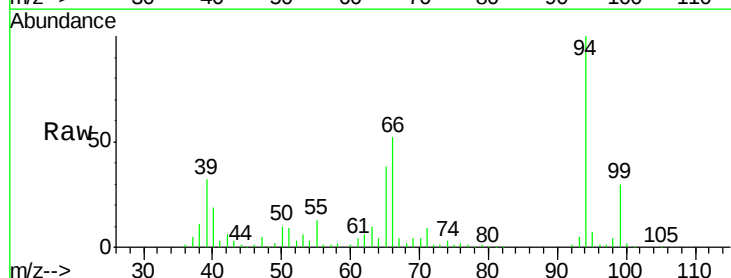
Tgt Ion: 94 Resp: 178208

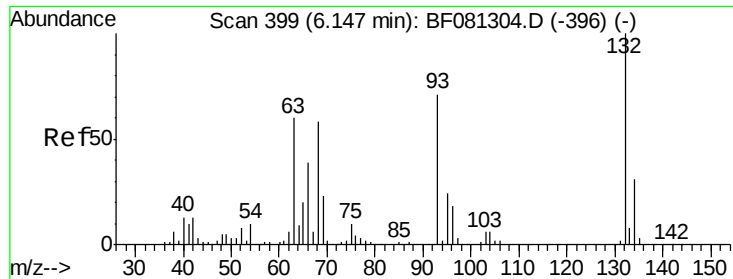
Ion Ratio Lower Upper

94 100

65 38.3 0.7 40.7

66 52.2 0.8 40.8#





#11

bis(2-Chloroethyl)ether

Concen: 45.10 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

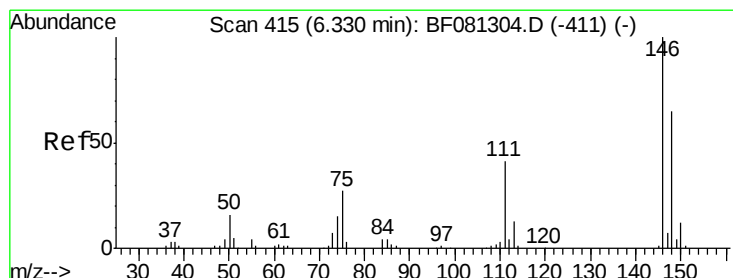
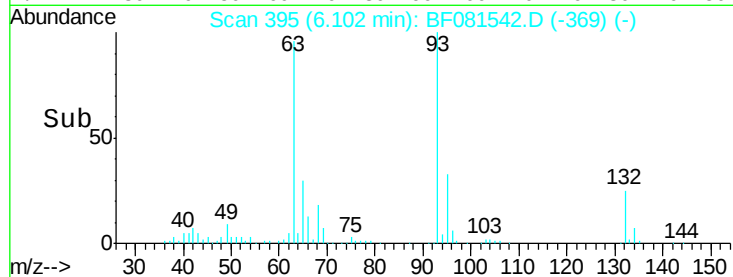
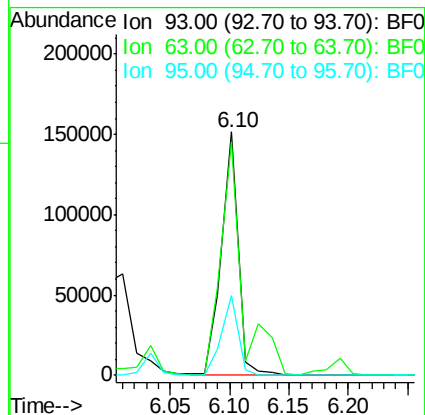
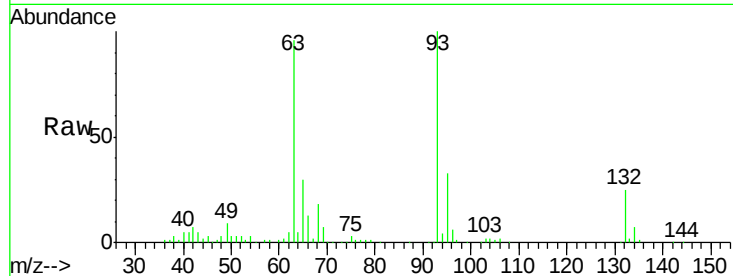
Tot Ion: 93 Resp: 147666

Ion Ratio Lower Upper

93 100

63 95.7 65.6 105.6

95 33.0 13.6 53.6



#12

1,3-Dichlorobenzene

Concen: 41.61 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

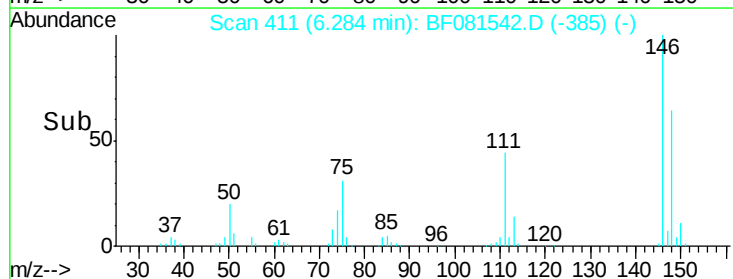
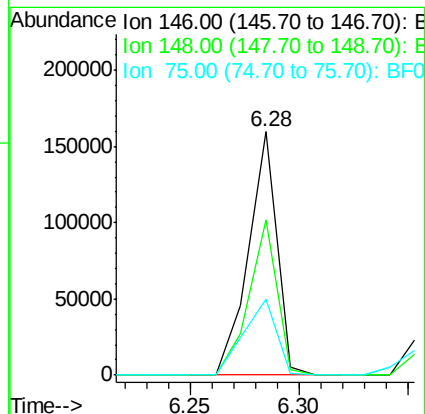
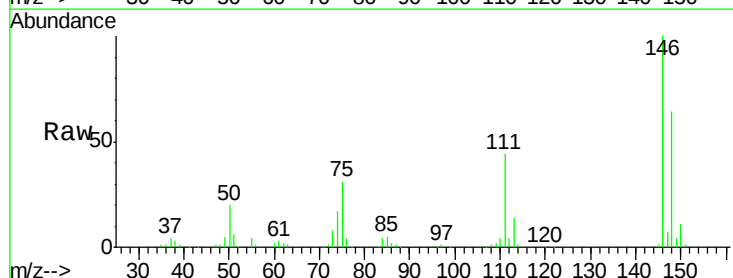
Tgt Ion: 146 Resp: 144840

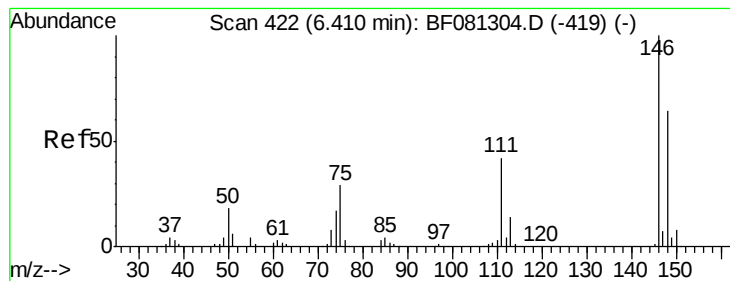
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.4

75 31.0 15.0 22.6#





#13

1,4-Dichlorobenzene

Concen: 40.61 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

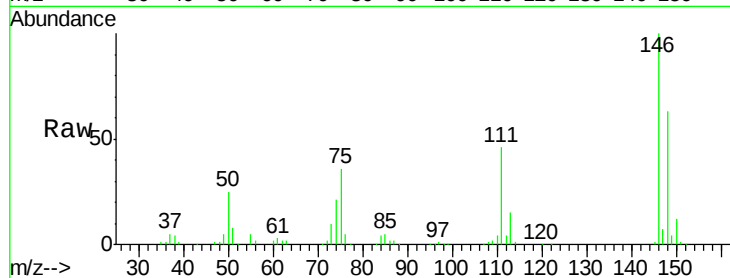
Tot Ion:146 Resp: 143917

Ion Ratio Lower Upper

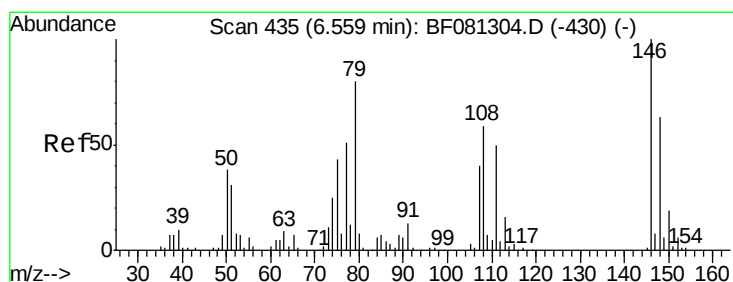
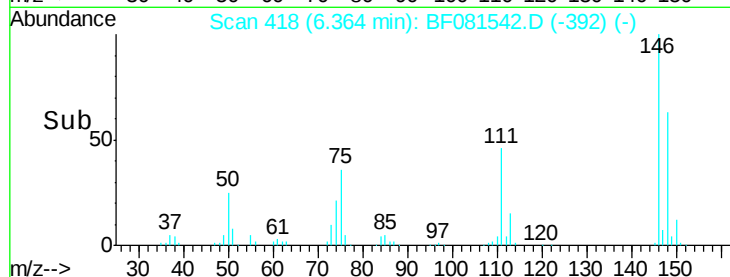
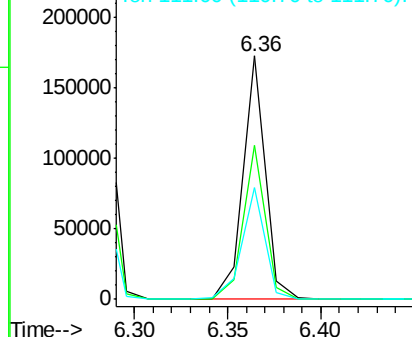
146 100

148 63.5 51.8 77.6

111 45.7 24.9 37.3#



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



#14

1,2-Dichlorobenzene

Concen: 38.12 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

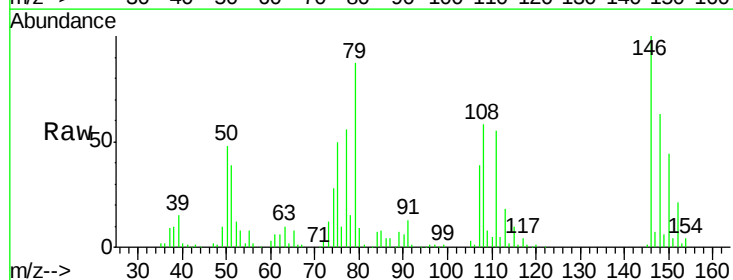
Tgt Ion:146 Resp: 121638

Ion Ratio Lower Upper

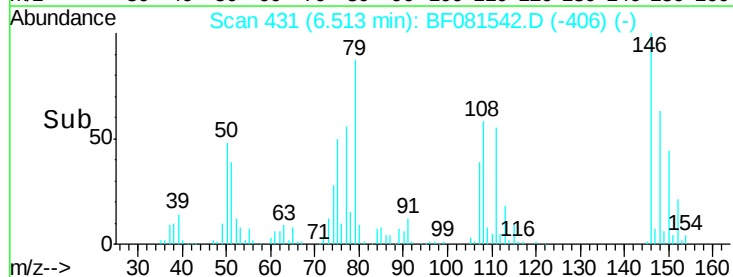
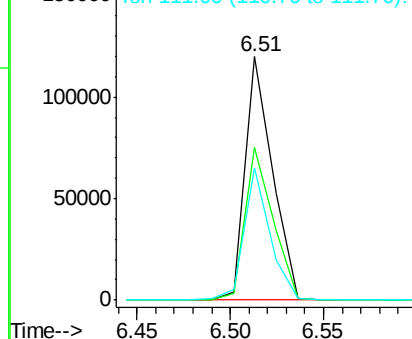
146 100

148 62.6 52.7 79.1

111 54.6 28.8 43.2#



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





#15

Benzyl Alcohol

Concen: 41.92 ng

RT: 6.51 min Scan# 431

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

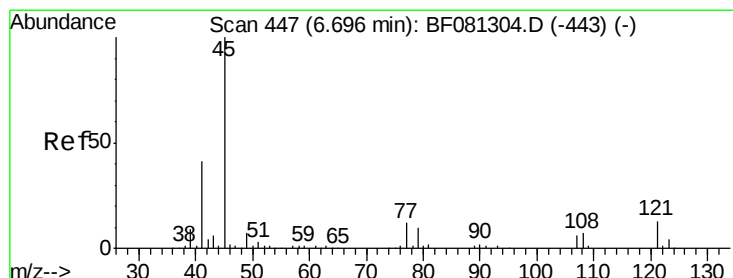
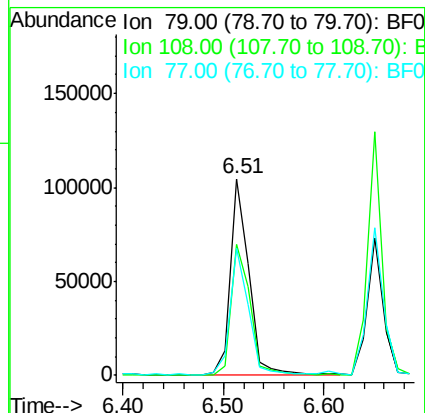
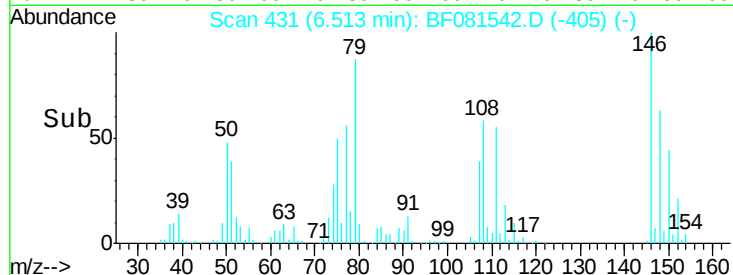
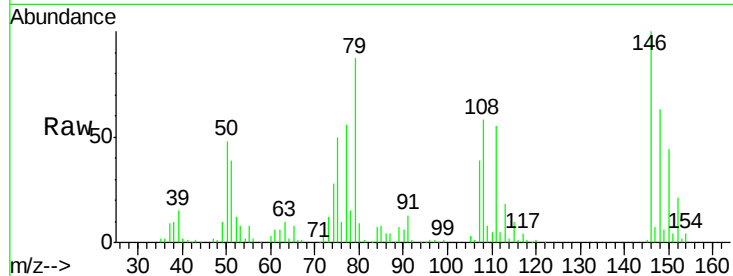
Tot Ion: 79 Resp: 134590

Ion Ratio Lower Upper

79 100

108 66.7 88.6 132.8#

77 64.8 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.91 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

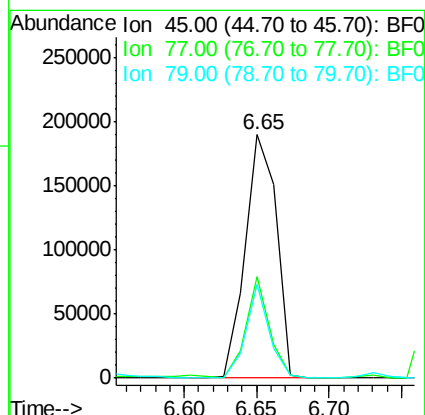
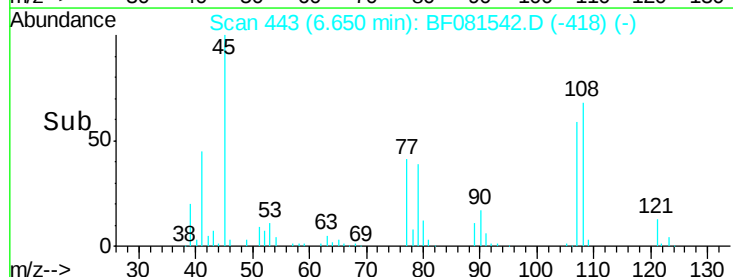
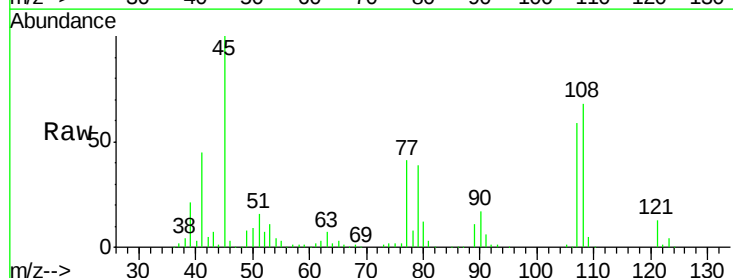
Tgt Ion: 45 Resp: 281847

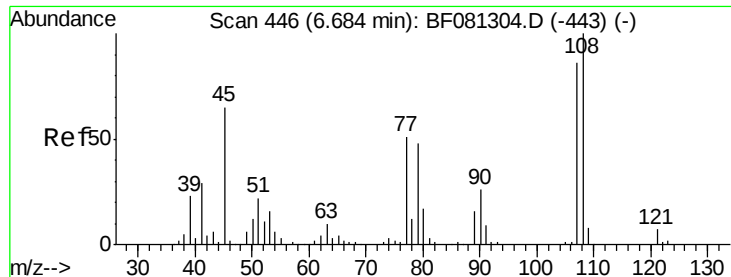
Ion Ratio Lower Upper

45 100

77 41.5 0.0 28.1#

79 38.6 0.0 26.0#

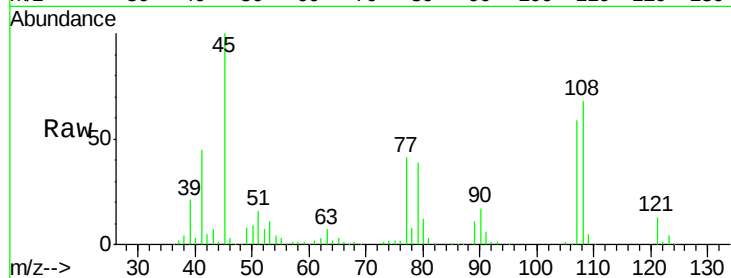




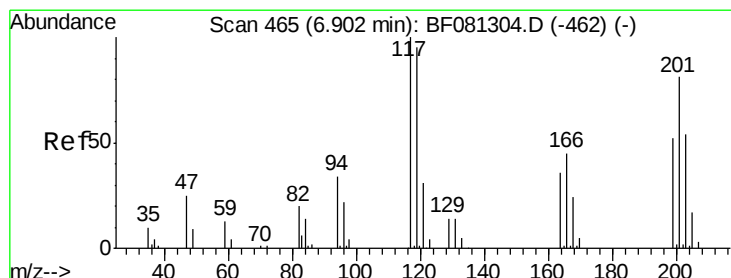
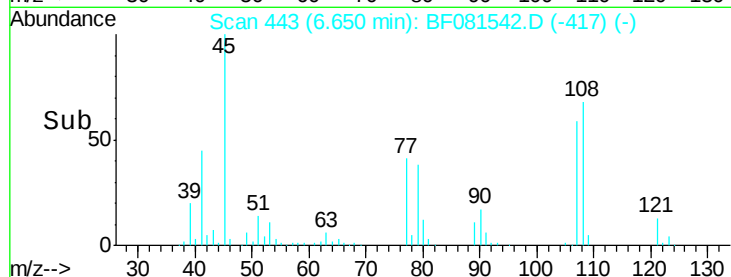
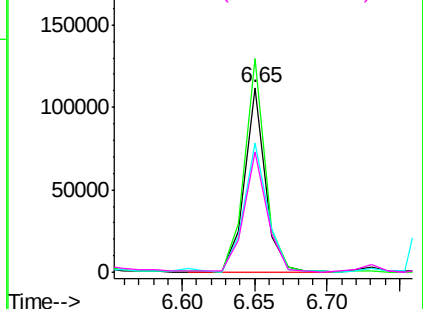
#17  
2-Methylphenol  
Concen: 43.34 ng  
RT: 6.65 min Scan# 443  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion:107 Resp: 112666  
Ion Ratio Lower Upper  
107 100  
108 115.6 96.6 145.0  
77 70.3 23.3 34.9#  
79 65.3 22.0 33.0#

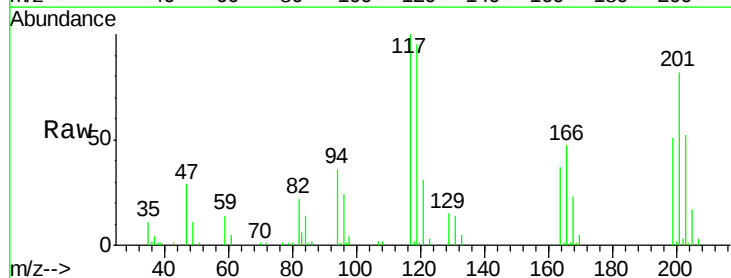


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

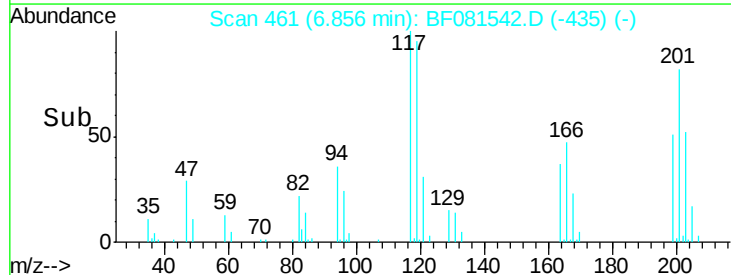
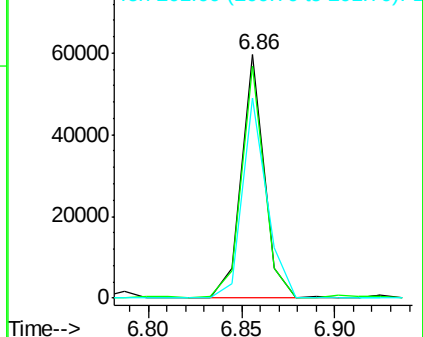


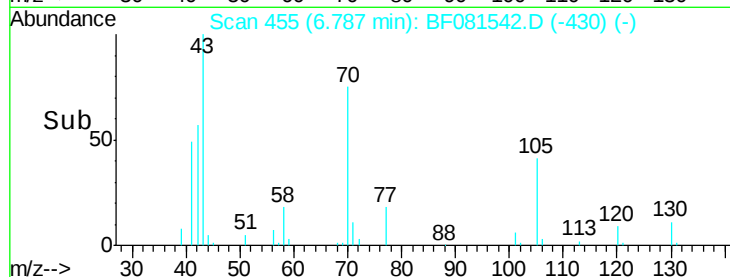
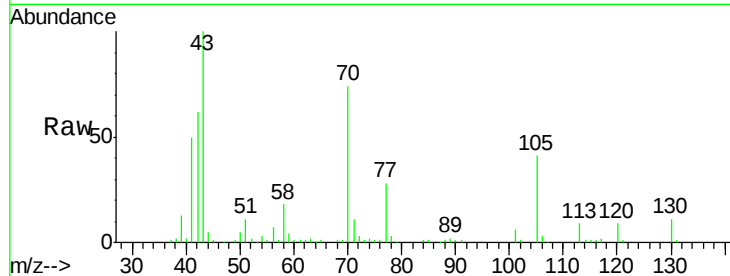
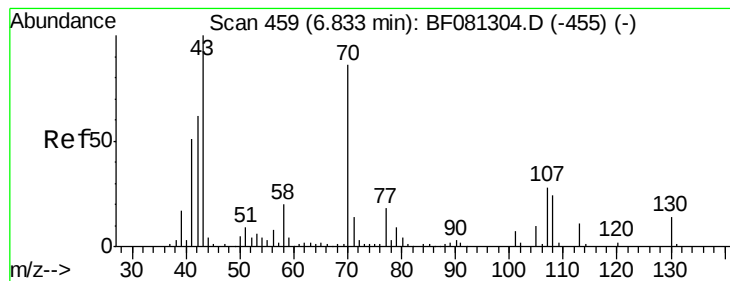
#18  
Hexachloroethane  
Concen: 36.98 ng  
RT: 6.86 min Scan# 461  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:117 Resp: 50991  
Ion Ratio Lower Upper  
117 100  
119 95.3 83.8 125.6  
201 82.2 55.1 82.7



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: 41.84 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

Tot Ion: 70 Resp: 111444

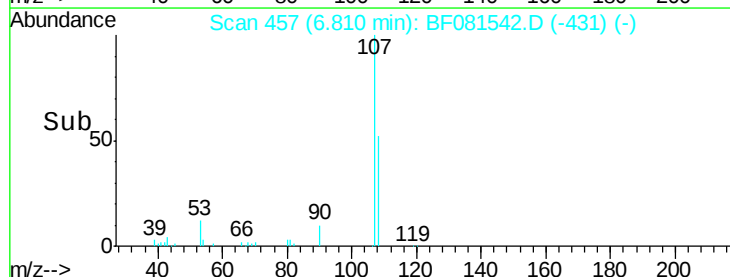
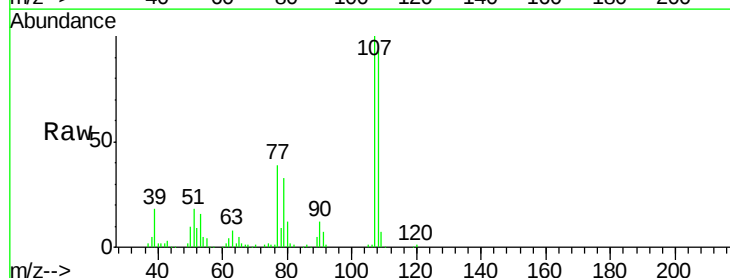
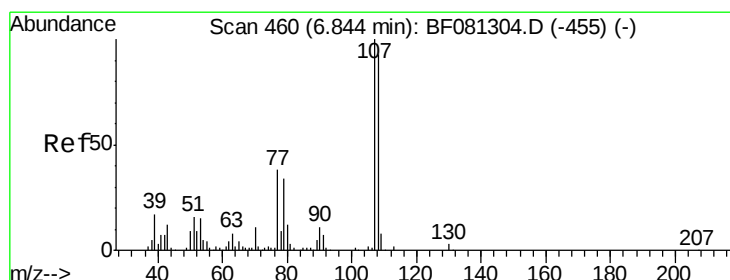
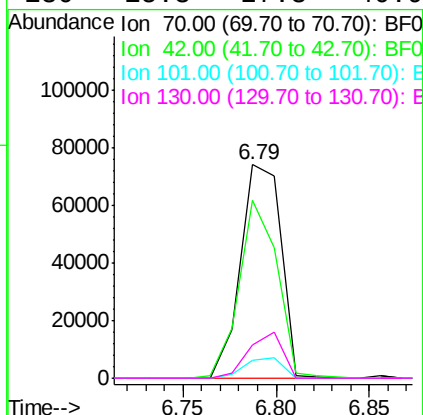
Ion Ratio Lower Upper

70 100

42 83.3 63.8 95.6

101 8.6 9.2 13.8#

130 15.3 27.3 40.9#



#20

3+4-Methylphenols

Concen: 41.29 ng

RT: 6.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Tgt Ion: 107 Resp: 144725

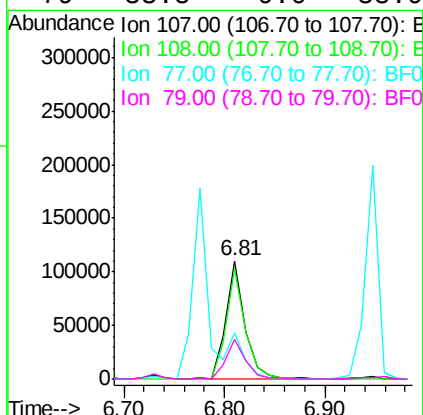
Ion Ratio Lower Upper

107 100

108 93.0 74.6 114.6

77 39.3 0.7 40.7

79 33.5 0.0 38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

Tot Ion:136 Resp: 176422

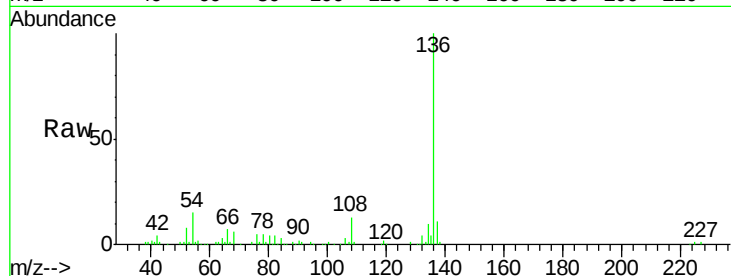
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 14.6 8.2 12.2#

68 6.1 5.8 8.6

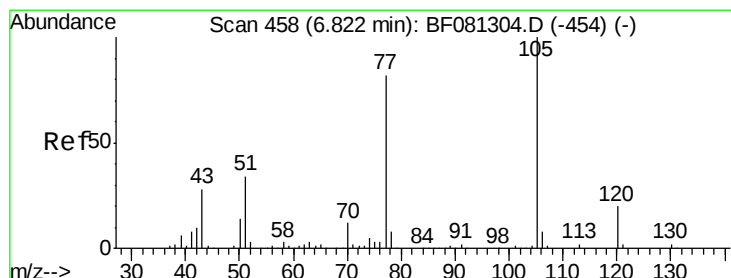
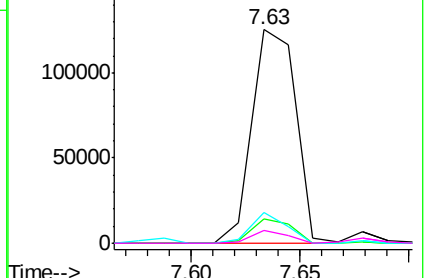
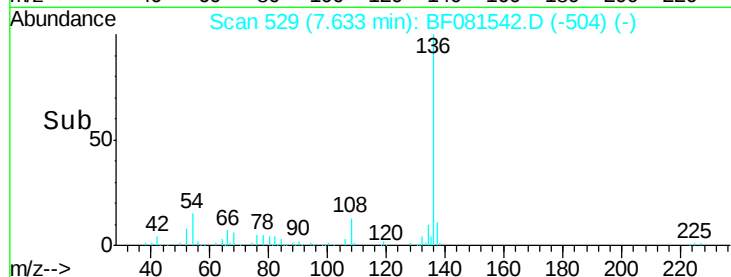


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 43.26 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Tgt Ion:105 Resp: 208459

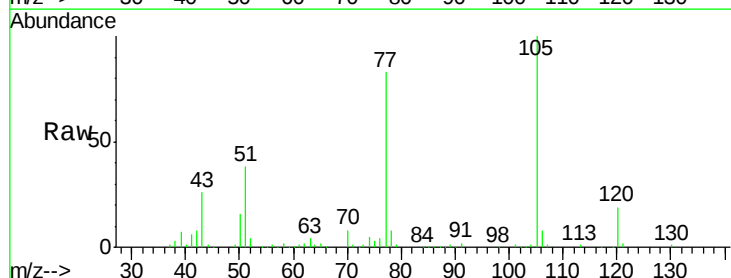
Ion Ratio Lower Upper

105 100

71 1.4 4.7 7.1#

51 37.6 22.0 33.0#

120 19.1 30.1 45.1#

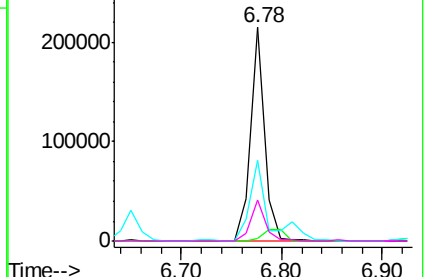
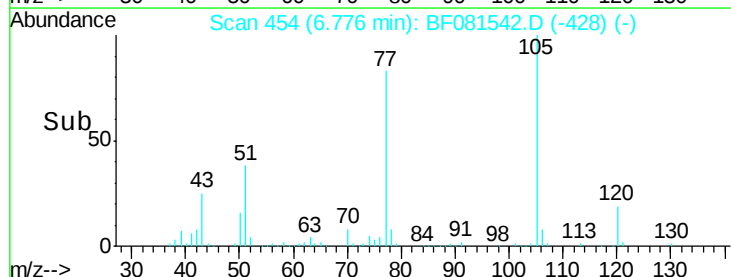


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

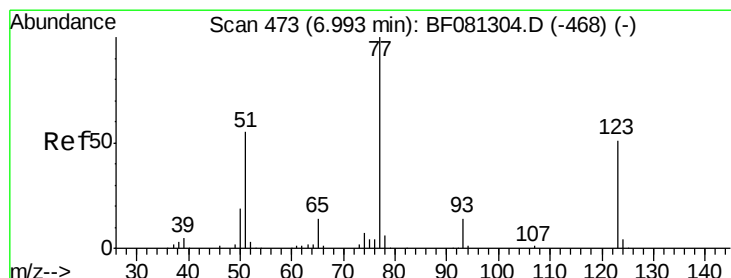
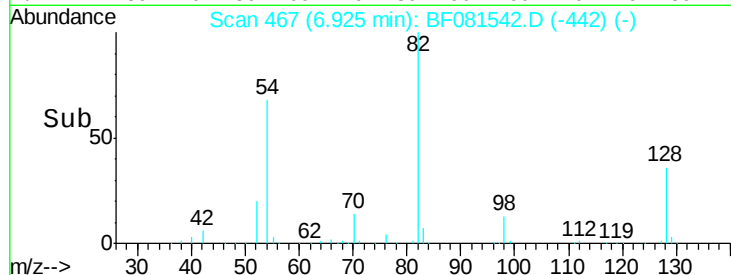
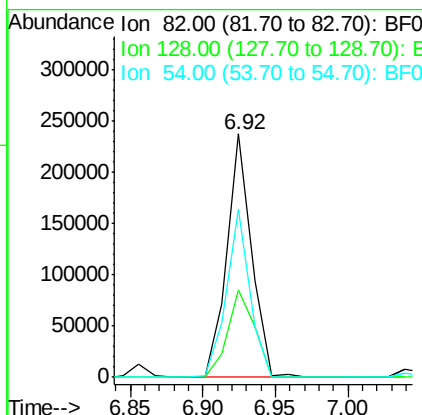
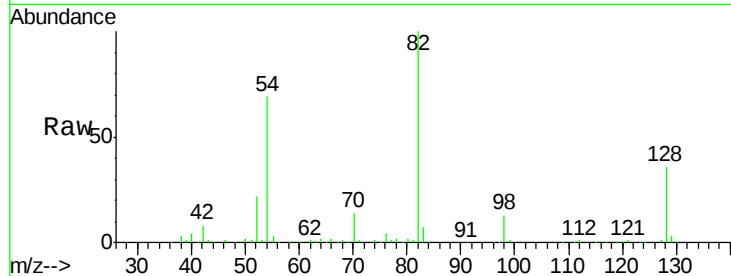




#23  
Nitrobenzene-d5  
Concen: 76.85 ng  
RT: 6.92 min Scan# 467  
Delta R.T. -0.01 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

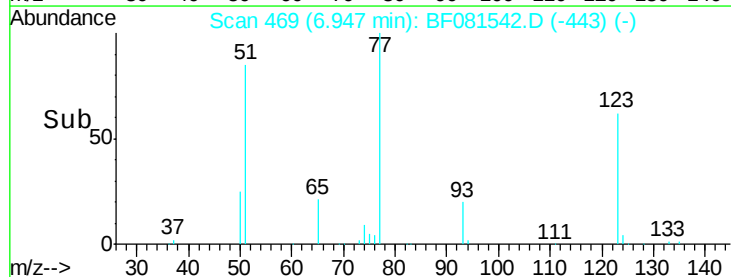
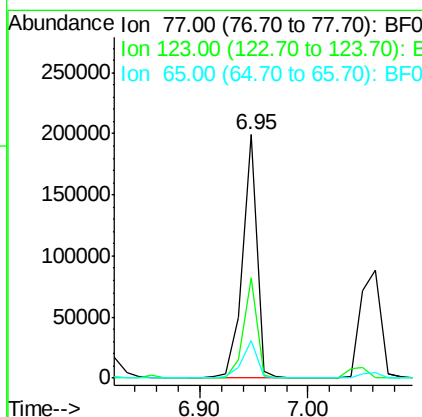
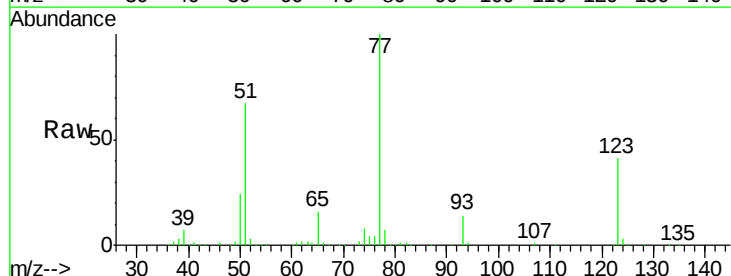
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion: 82 Resp: 281018  
Ion Ratio Lower Upper  
82 100  
128 35.8 51.0 76.6#  
54 69.2 47.5 71.3



#24  
Nitrobenzene  
Concen: 47.52 ng  
RT: 6.95 min Scan# 469  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion: 77 Resp: 180452  
Ion Ratio Lower Upper  
77 100  
123 41.0 59.8 89.8#  
65 15.6 10.2 15.4#





#25

Isophorone

Concen: 41.04 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

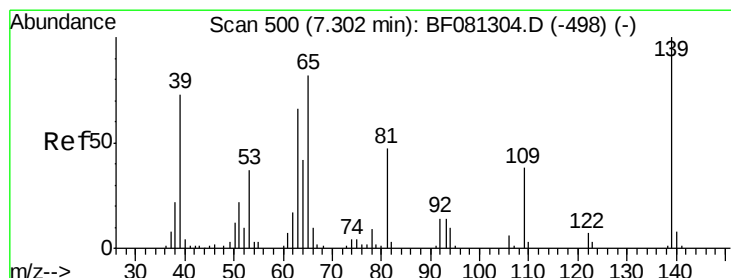
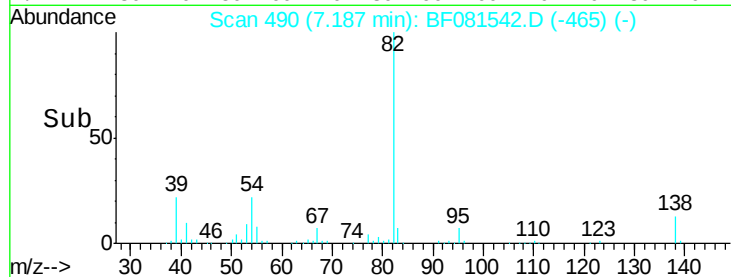
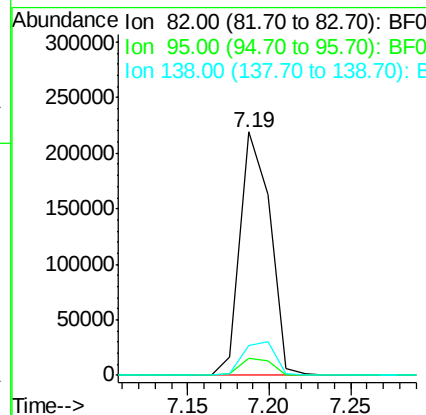
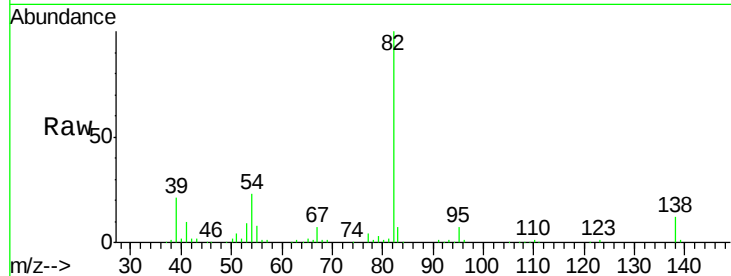
Tot Ion: 82 Resp: 279115

Ion Ratio Lower Upper

82 100

95 7.1 4.0 6.0#

138 12.5 18.3 27.5#



#26

2-Nitrophenol

Concen: 11.14 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

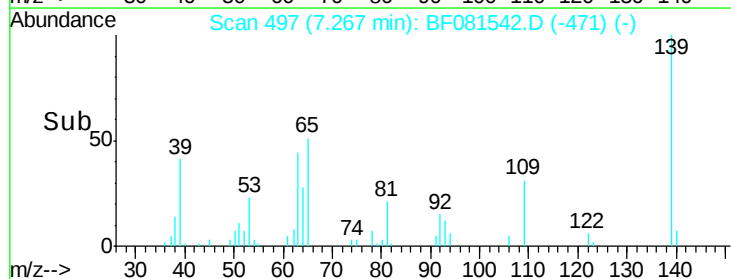
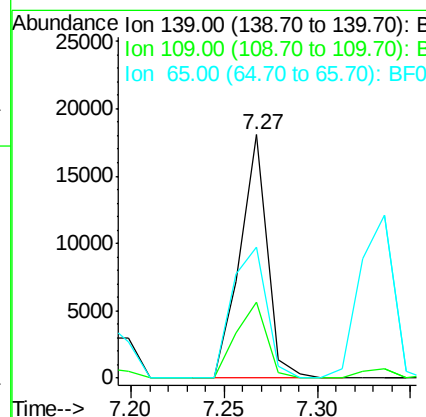
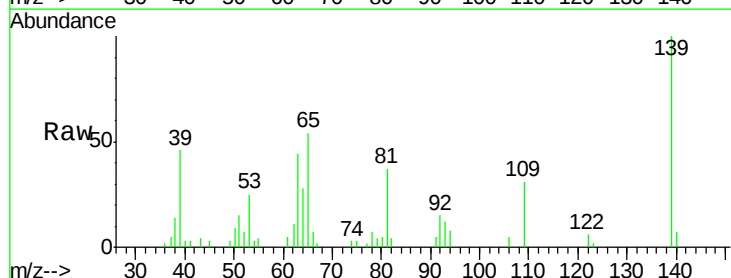
Tgt Ion: 139 Resp: 18437

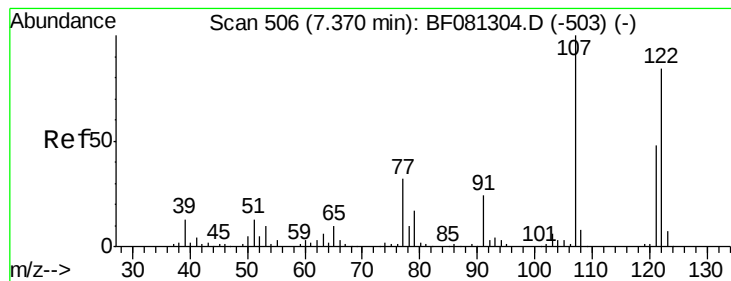
Ion Ratio Lower Upper

139 100

109 31.2 11.0 16.4#

65 53.6 24.7 37.1#

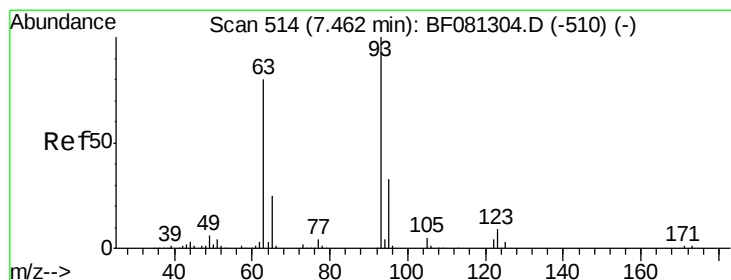
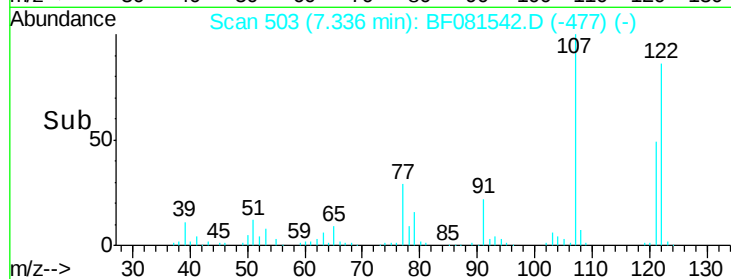
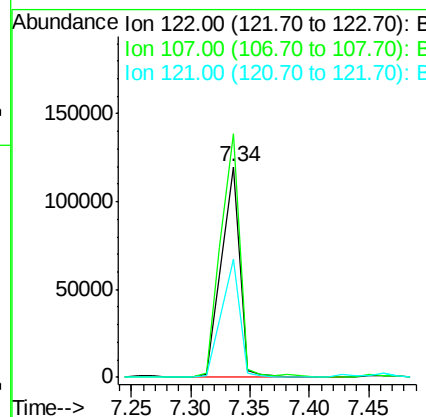
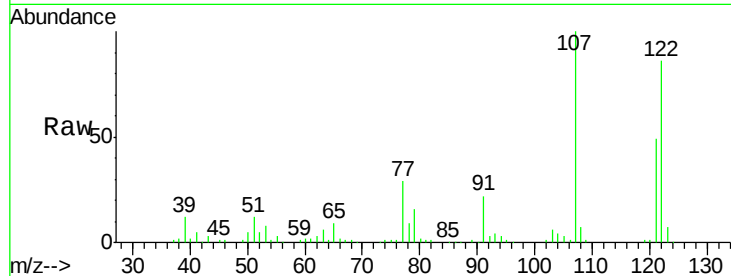




#27  
 2,4-Dimethylphenol  
 Concen: 44.84 ng  
 RT: 7.34 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

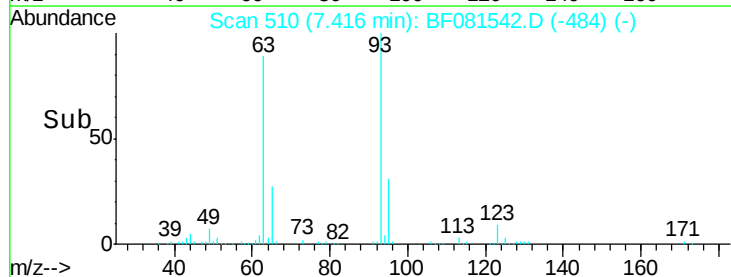
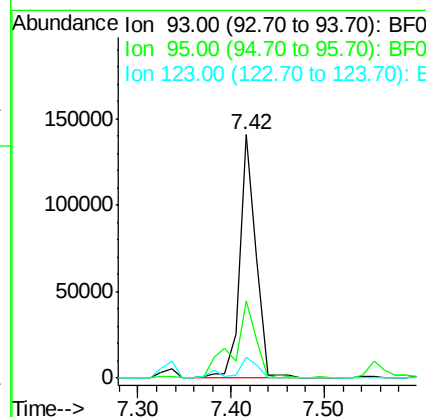
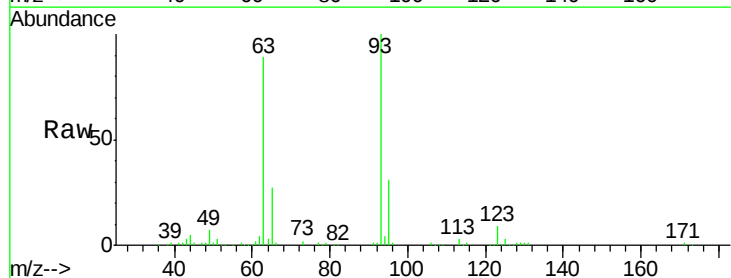
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

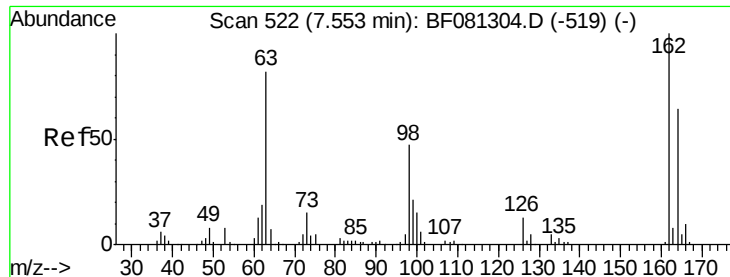
Tot Ion:122 Resp: 128194  
 Ion Ratio Lower Upper  
 122 100  
 107 115.7 71.8 107.6#  
 121 56.2 42.3 63.5



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.63 ng  
 RT: 7.42 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion: 93 Resp: 171407  
 Ion Ratio Lower Upper  
 93 100  
 95 31.5 27.5 41.3  
 123 8.7 13.7 20.5#

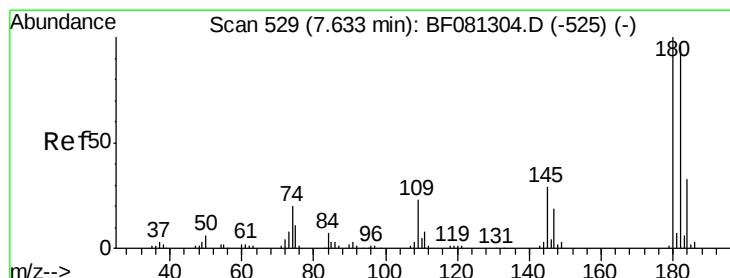
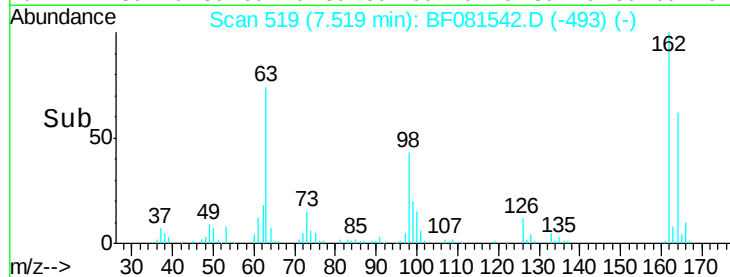
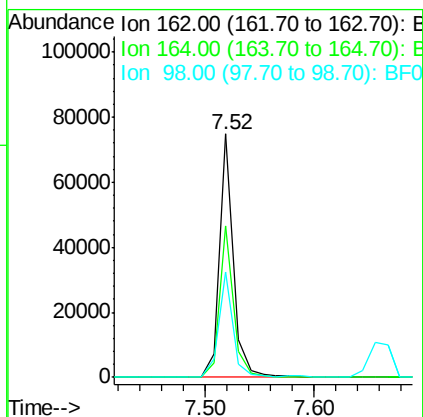
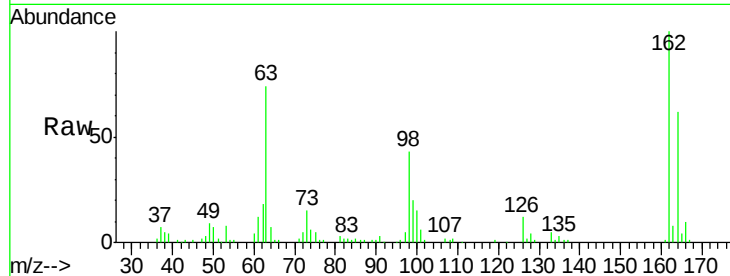




#29  
 2,4-Dichlorophenol  
 Concen: 27.12 ng  
 RT: 7.52 min Scan# 519  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

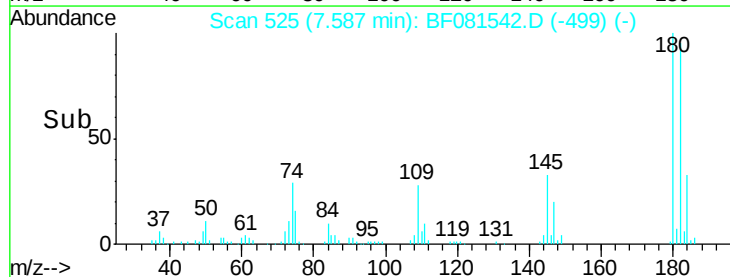
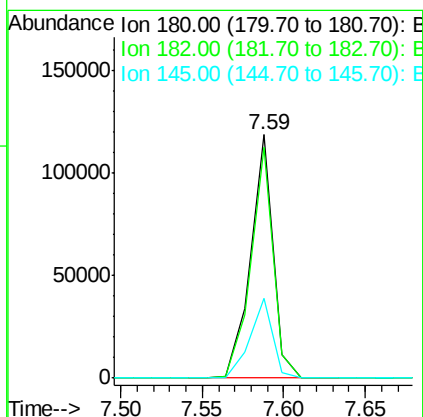
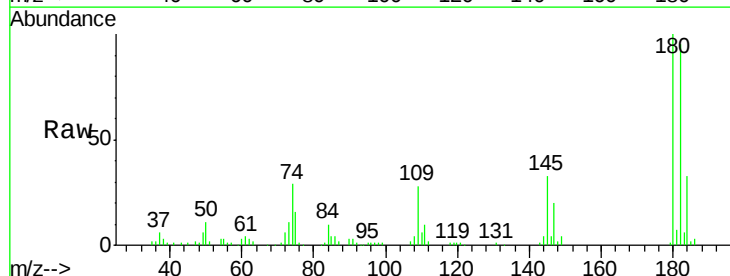
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

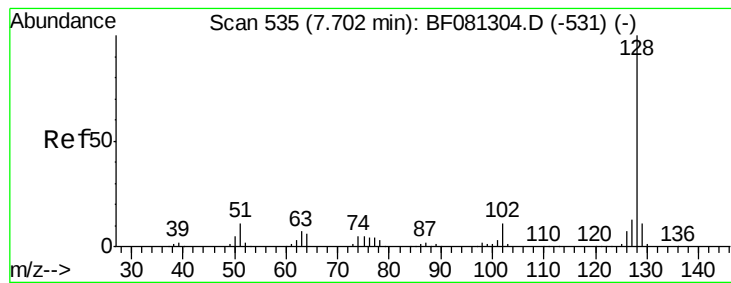
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.0  | 44.9  | 84.9  |
| 98      | 43.1  | 13.0  | 53.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.06 ng  
 RT: 7.59 min Scan# 525  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 77.1  | 115.7 |
| 145     | 32.9  | 23.3  | 34.9  |





#31

Naphthalene

Concen: 101.77 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

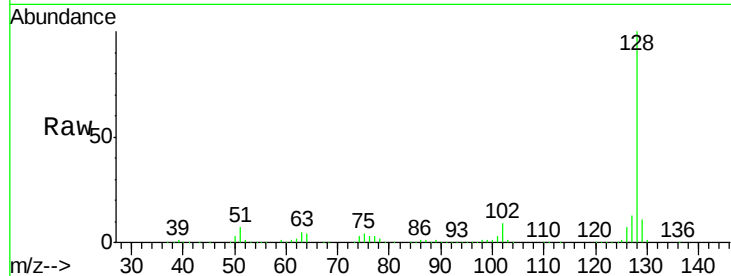
Tot Ion:128 Resp: 957572

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

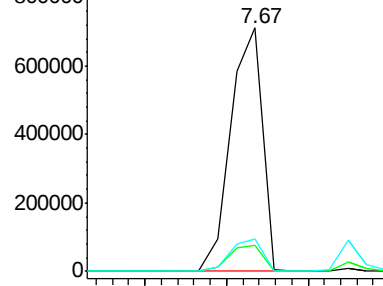
127 13.1 9.9 14.9



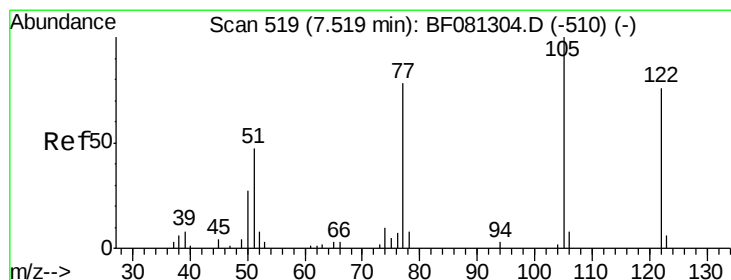
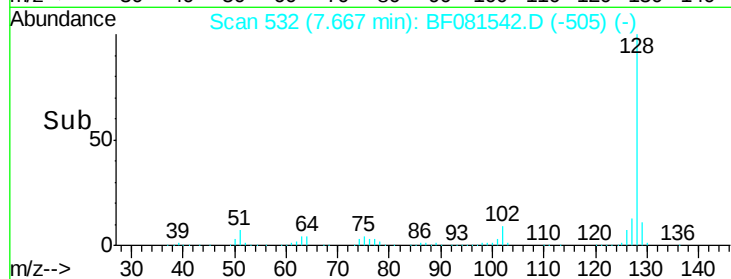
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#32

Benzoic acid

Concen: 62.03 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.14 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

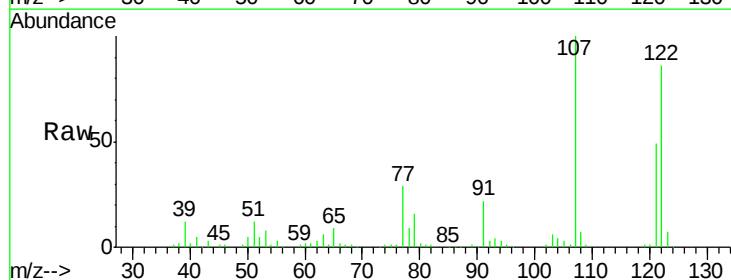
Tgt Ion:122 Resp: 128194

Ion Ratio Lower Upper

122 100

105 3.9 76.1 116.1#

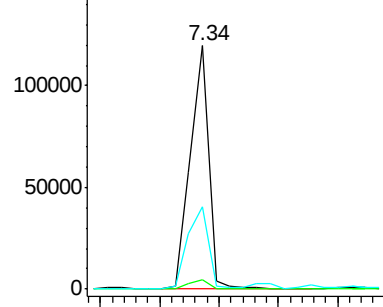
77 34.0 40.5 80.5#



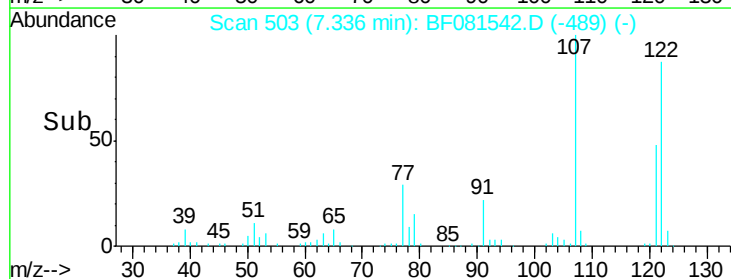
Abundance Ion 122.00 (121.70 to 122.70): E

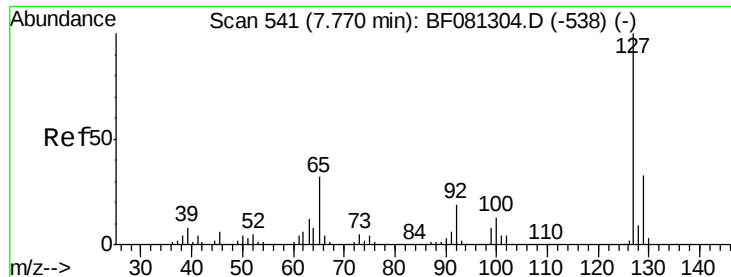
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



Time-->

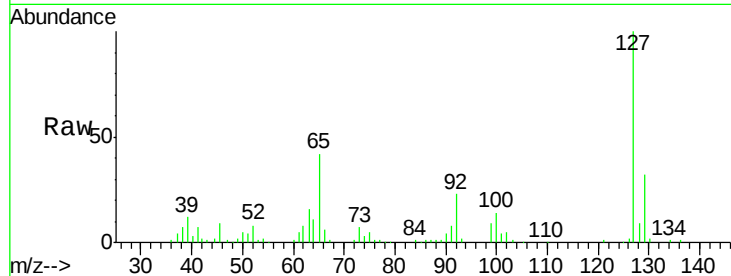




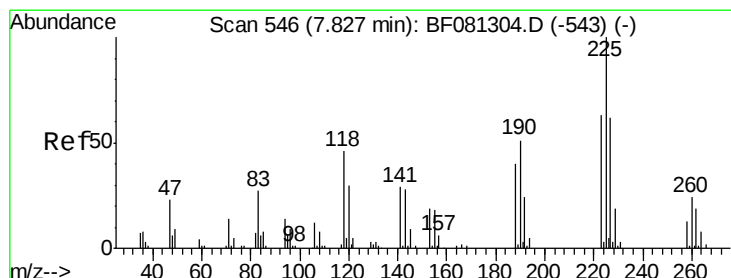
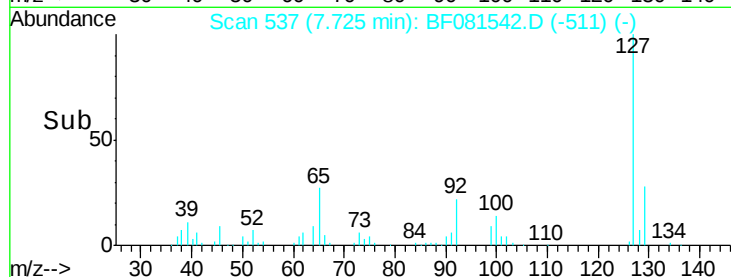
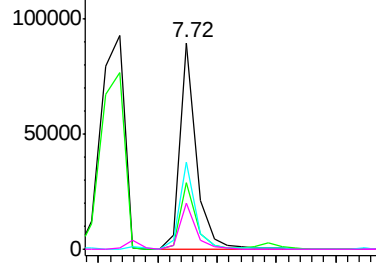
#33  
4-Chloroaniline  
Concen: 22.53 ng  
RT: 7.72 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 86452 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.3  | 25.8  | 38.6  |
| 65       | 42.1  | 17.9  | 26.9  |
| 92       | 22.6  | 10.5  | 15.7  |

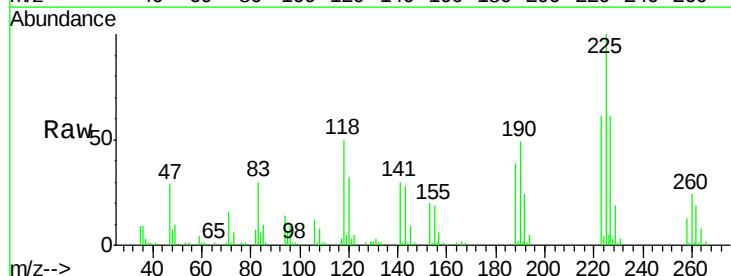


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

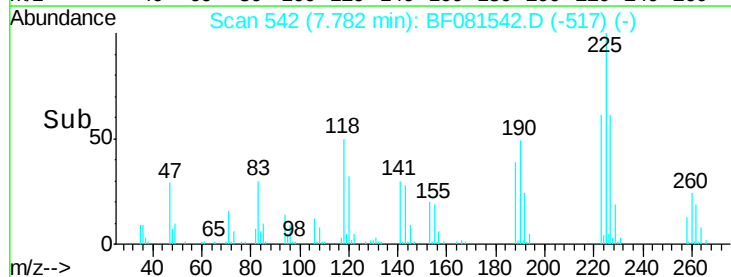
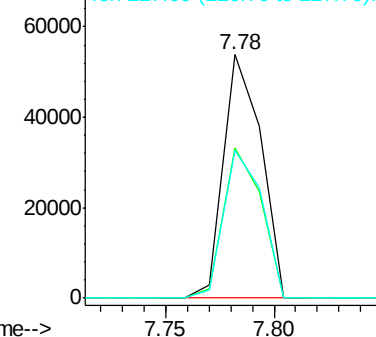


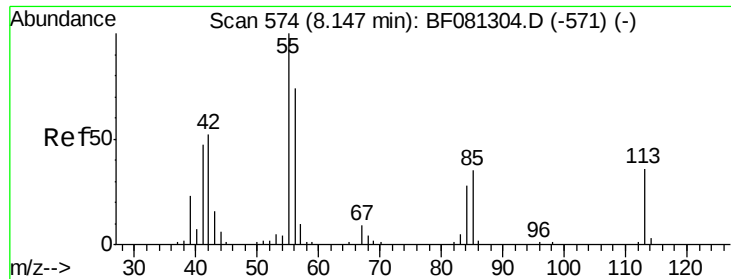
#34  
Hexachlorobutadiene  
Concen: 39.71 ng  
RT: 7.78 min Scan# 542  
Delta R.T. -0.01 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 65079 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.5  | 50.2  | 75.2  |
| 227      | 60.7  | 52.2  | 78.2  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

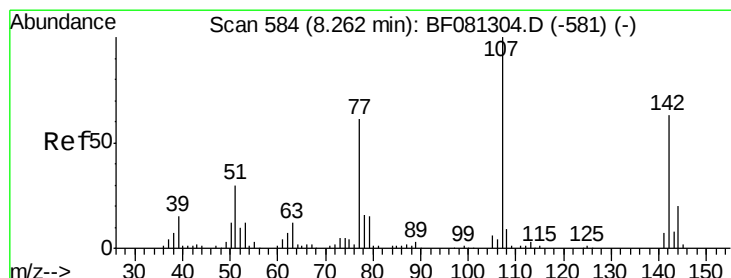
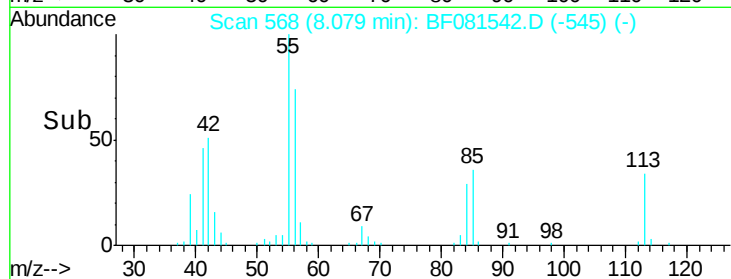
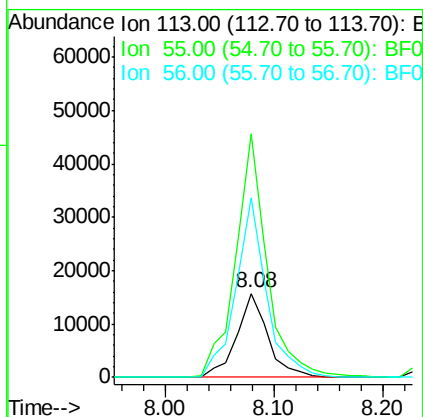
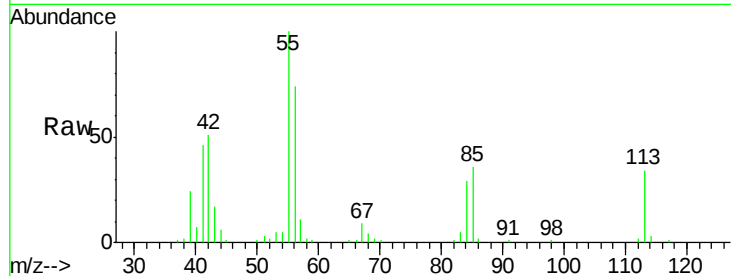




#35  
 Caprolactam  
 Concen: 40.93 ng  
 RT: 8.08 min Scan# 568  
 Delta R.T. -0.03 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

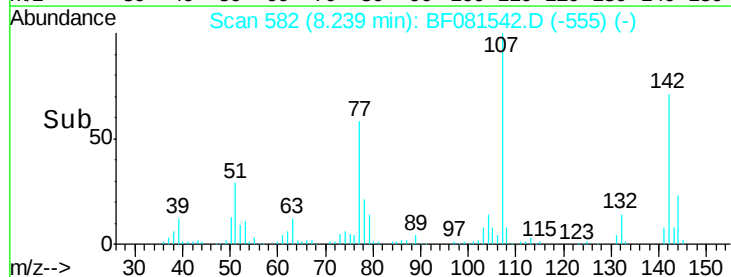
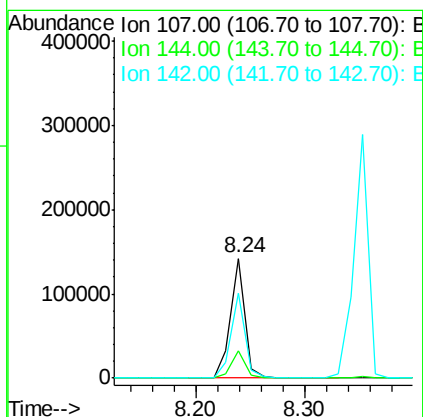
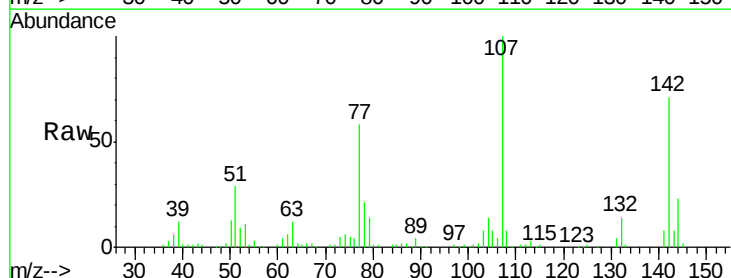
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

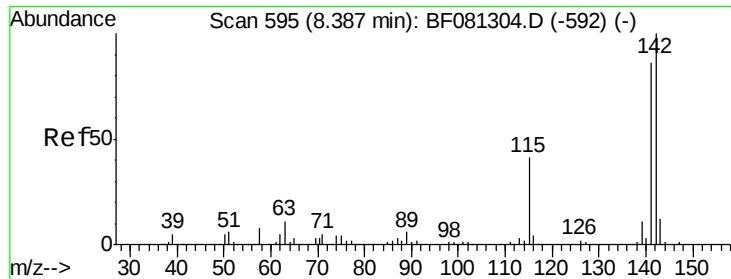
Tot Ion:113 Resp: 31119  
 Ion Ratio Lower Upper  
 113 100  
 55 290.4 152.4 192.4#  
 56 214.2 104.6 144.6#



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.03 ng  
 RT: 8.24 min Scan# 582  
 Delta R.T. 0.01 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:107 Resp: 130493  
 Ion Ratio Lower Upper  
 107 100  
 144 22.9 25.4 38.0#  
 142 71.0 77.3 115.9#

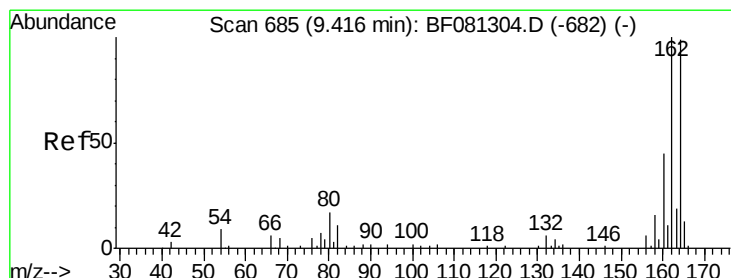
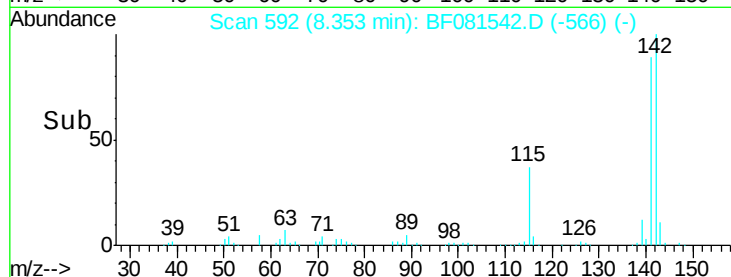
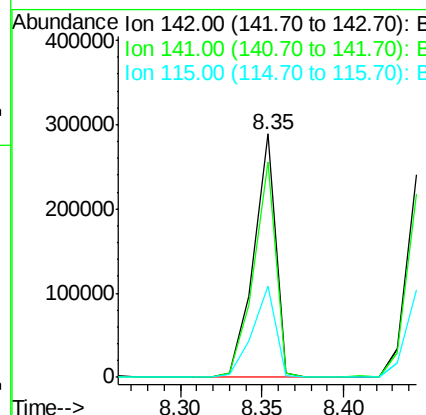
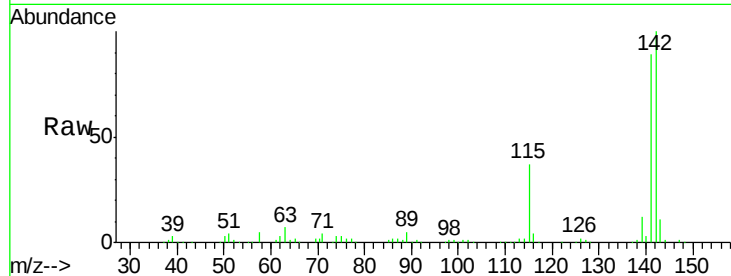




#37  
 2-Methylnaphthalene  
 Concen: 44.49 ng  
 RT: 8.35 min Scan# 592  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

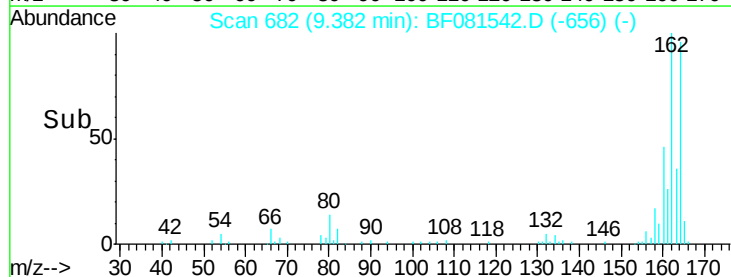
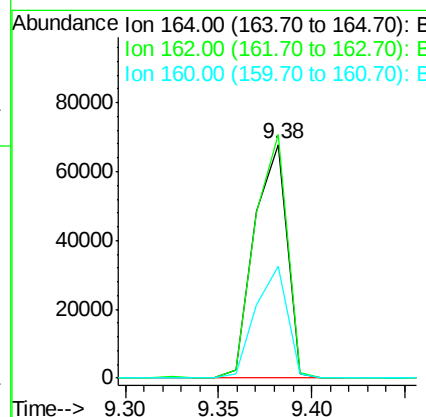
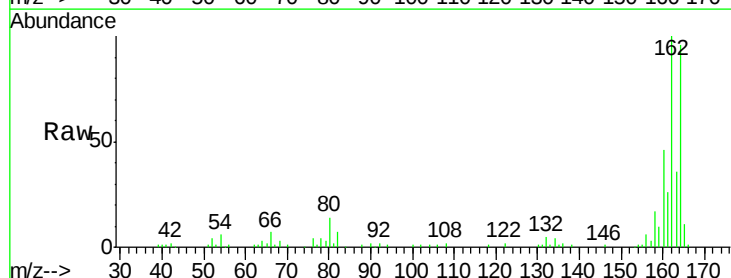
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

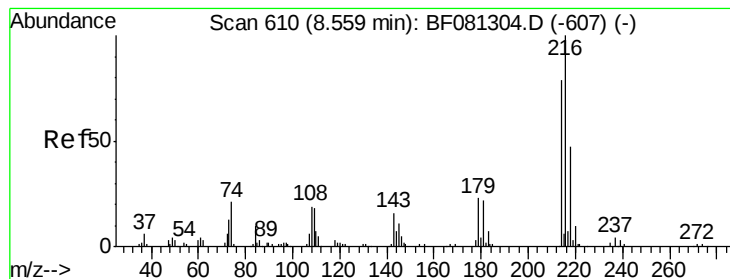
Tot Ion:142 Resp: 272416  
 Ion Ratio Lower Upper  
 142 100  
 141 88.7 67.5 101.3  
 115 37.3 18.2 27.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:164 Resp: 82271  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 75.2 112.8  
 160 47.6 31.5 47.3#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.57 ng

RT: 8.51 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

Tot Ion:216 Resp: 97758

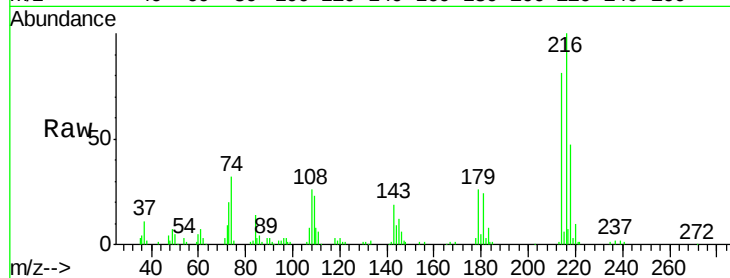
Ion Ratio Lower Upper

216 100

214 80.7 63.5 95.3

179 23.4 16.6 24.8

108 21.3 16.3 24.5

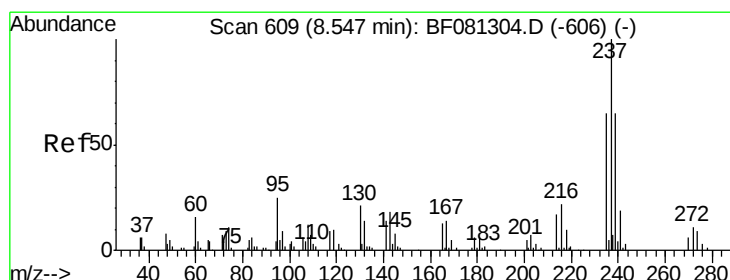
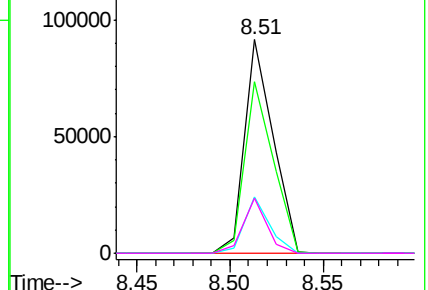
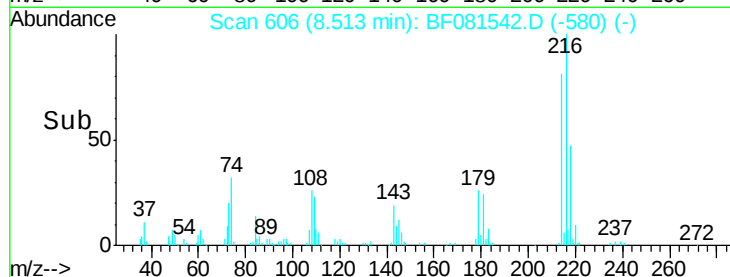


Abundance Ion 216.00 (215.70 to 216.70): E

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: 7.07 ng

RT: 8.50 min Scan# 605

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

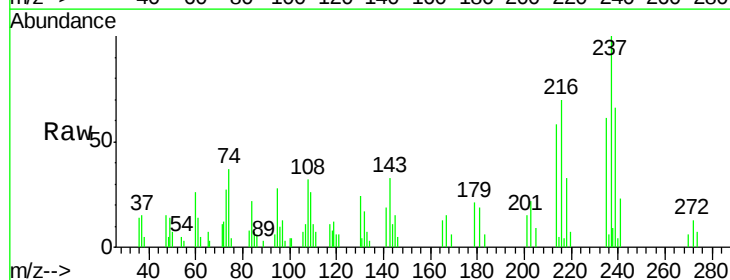
Tgt Ion:237 Resp: 9026

Ion Ratio Lower Upper

237 100

235 60.9 42.0 82.0

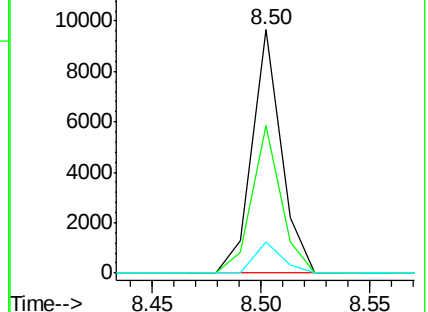
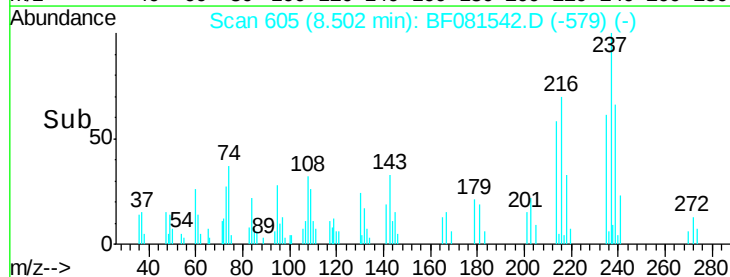
272 12.6 0.0 36.1

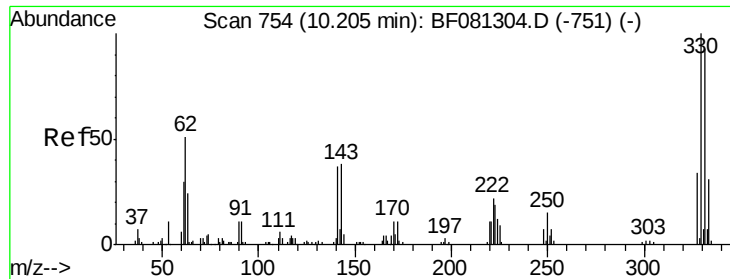


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

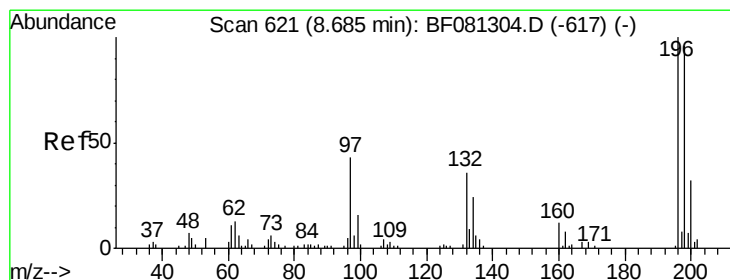
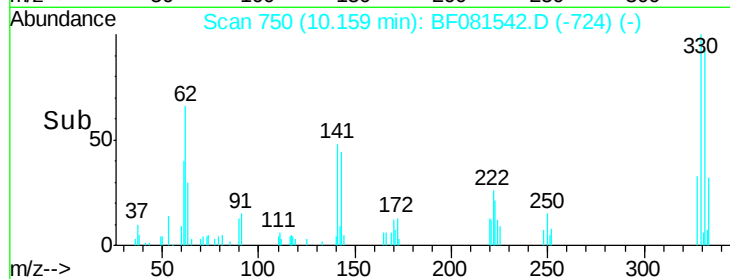
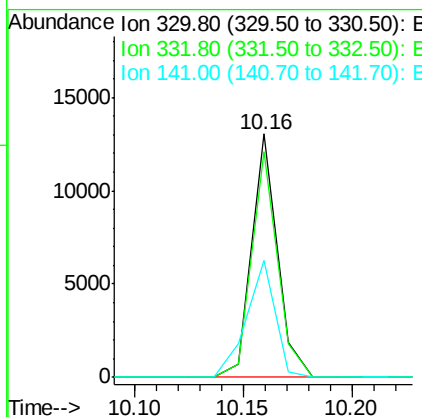
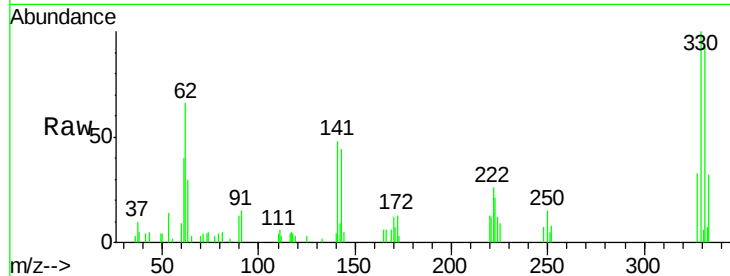




#41  
 2,4,6-Tribromophenol  
 Concen: 14.60 ng  
 RT: 10.16 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

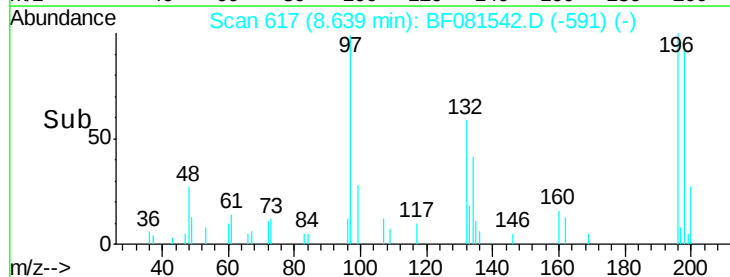
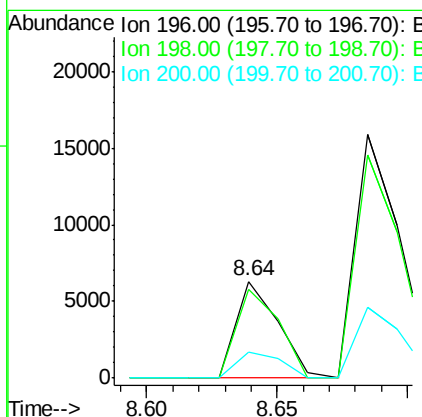
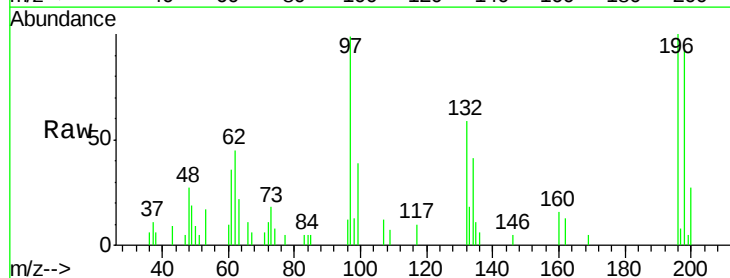
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

Tot Ion:330 Resp: 10696  
 Ion Ratio Lower Upper  
 330 100  
 332 93.8 76.6 114.8  
 141 54.1 29.7 44.5#



#42  
 2,4,6-Trichlorophenol  
 Concen: 3.95 ng  
 RT: 8.64 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:196 Resp: 7090  
 Ion Ratio Lower Upper  
 196 100  
 198 92.4 75.7 113.5  
 200 27.1 23.9 35.9

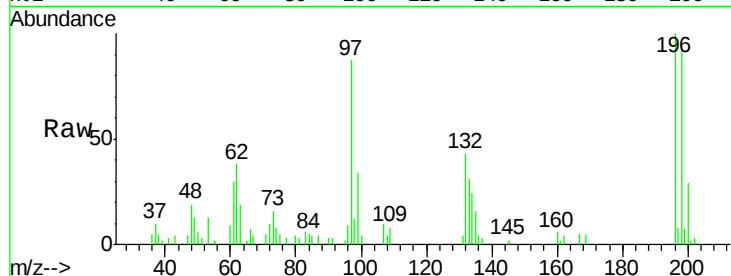




#43  
 2,4,5-Trichlorophenol  
 Concen: 10.29 ng  
 RT: 8.68 min Scan# 621  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 91.8  | 75.4  | 113.0 |
| 97      | 87.0  | 33.3  | 49.9  |
| 132     | 42.5  | 24.6  | 37.0  |



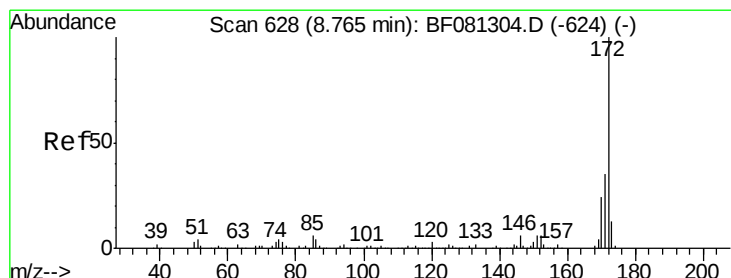
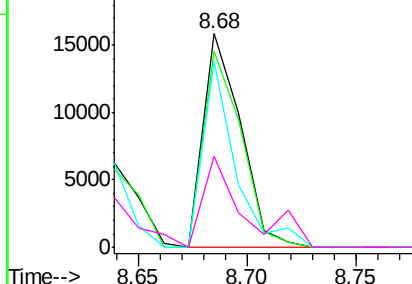
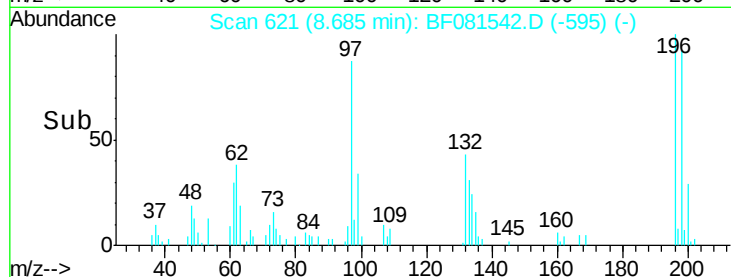
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

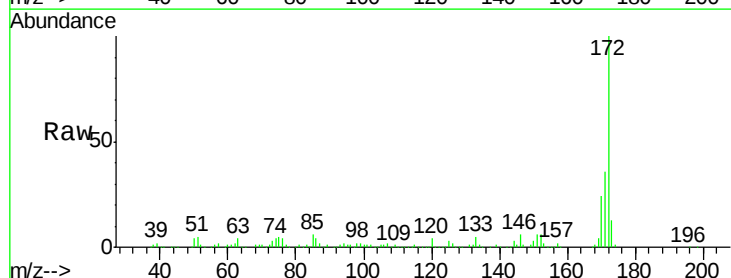
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 65.47 ng  
 RT: 8.72 min Scan# 624  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 26.1  | 39.1  |
| 170     | 24.5  | 17.4  | 26.2  |

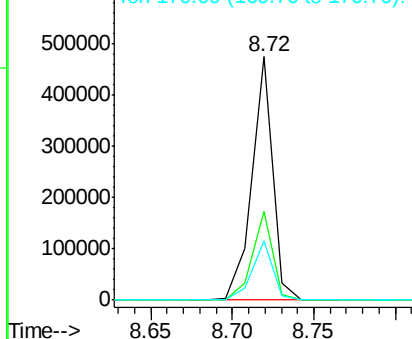
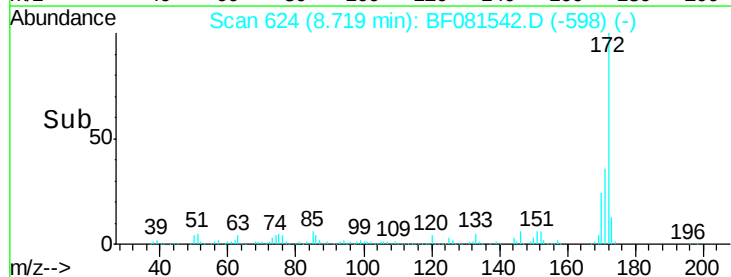


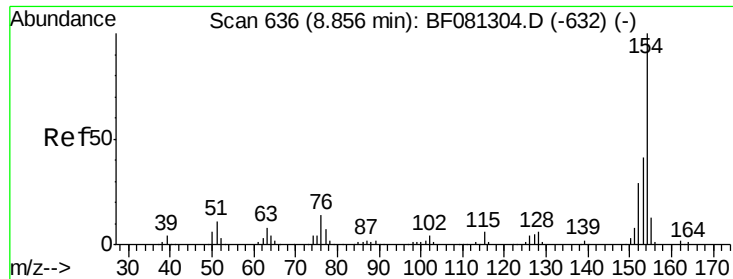
Abundance

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

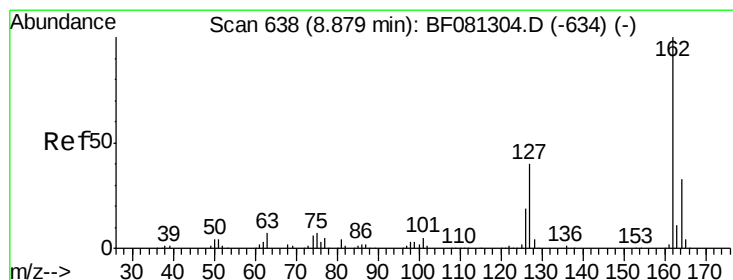
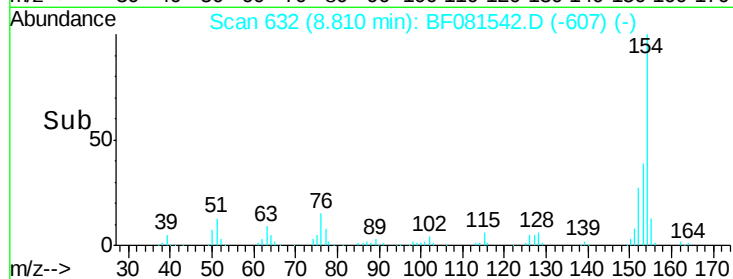
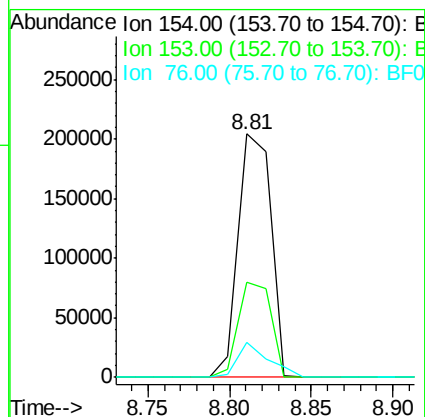
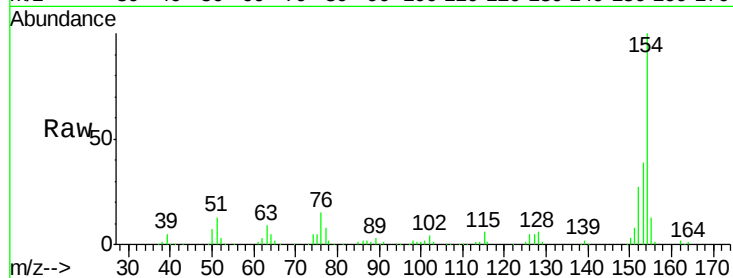




#45  
1,1'-Biphenyl  
Concen: 37.41 ng  
RT: 8.81 min Scan# 632  
Delta R.T. -0.01 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

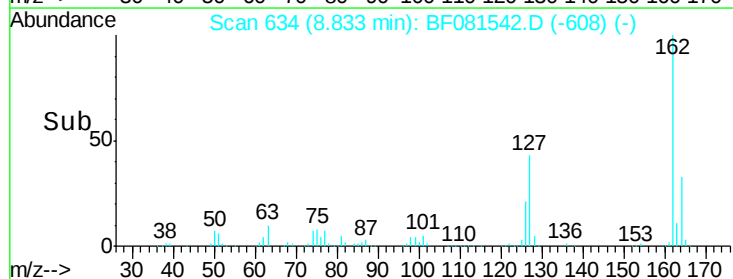
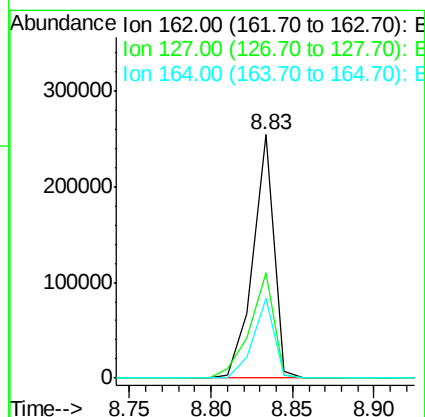
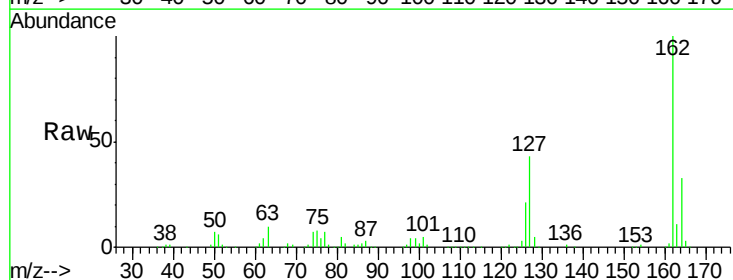
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion:154 Resp: 283174  
Ion Ratio Lower Upper  
154 100  
153 39.0 17.1 57.1  
76 14.6 0.0 31.6



#46  
2-Chloronaphthalene  
Concen: 41.87 ng  
RT: 8.83 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:162 Resp: 228872  
Ion Ratio Lower Upper  
162 100  
127 43.4 27.6 41.4#  
164 32.7 25.4 38.2

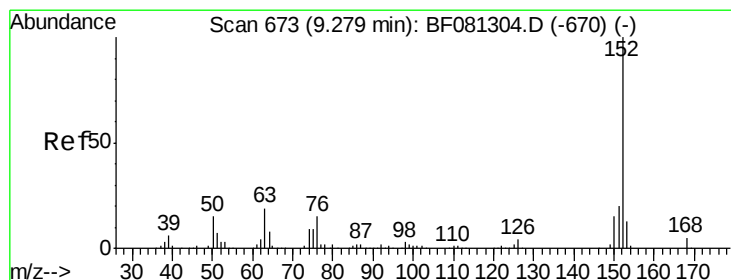
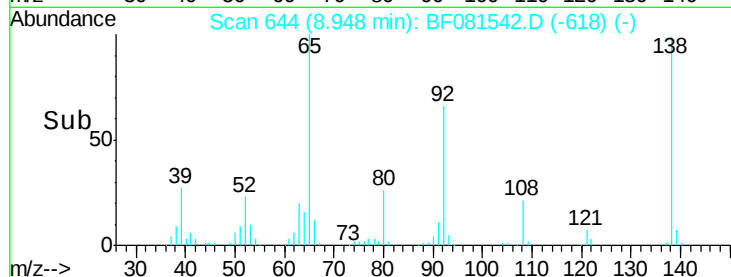
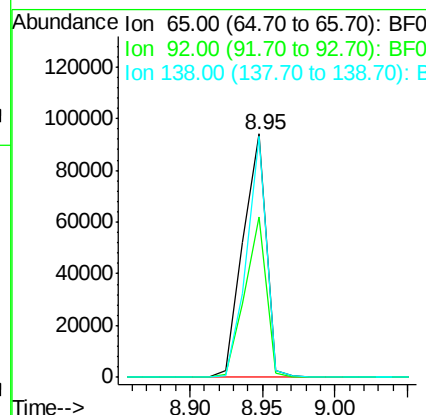
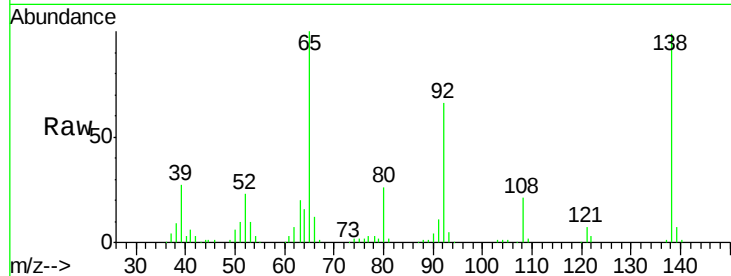




#47  
2-Nitroaniline  
Concen: 46.90 ng  
RT: 8.95 min Scan# 644  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

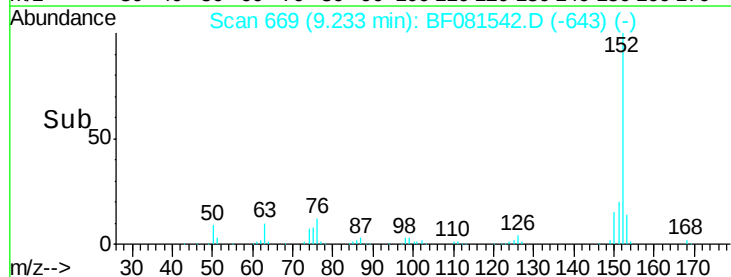
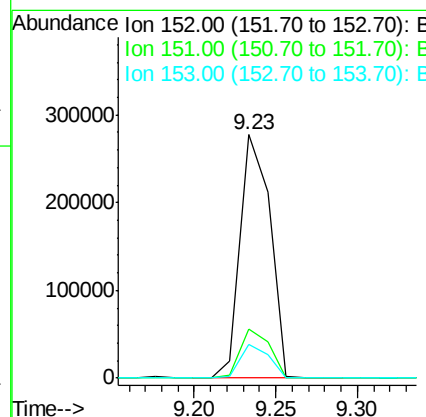
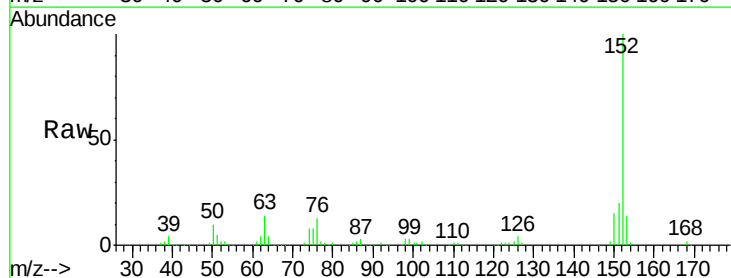
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion: 65 Resp: 104485  
Ion Ratio Lower Upper  
65 100  
92 65.9 55.4 83.0  
138 98.8 115.5 173.3#



#48  
Acenaphthylene  
Concen: 36.20 ng  
RT: 9.23 min Scan# 669  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion: 152 Resp: 351047  
Ion Ratio Lower Upper  
152 100  
151 20.4 14.6 22.0  
153 13.7 10.3 15.5

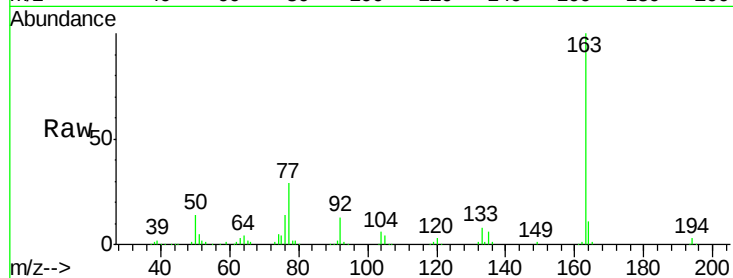




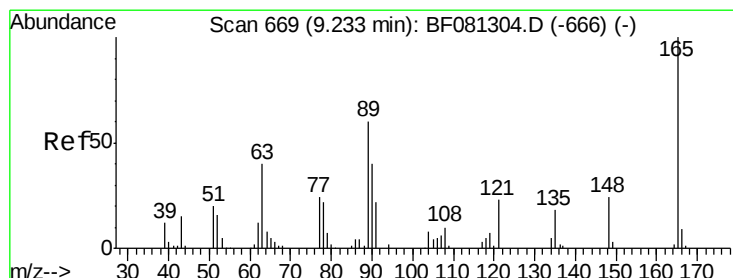
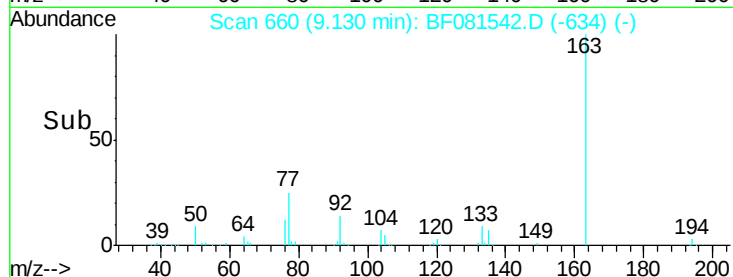
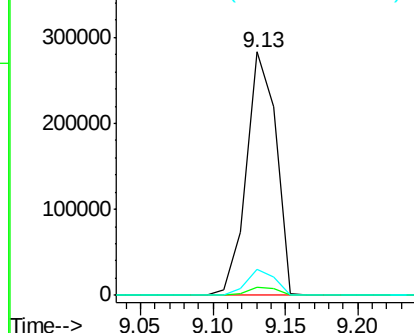
#49  
Dimethylphthalate  
Concen: 62.71 ng  
RT: 9.13 min Scan# 660  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion:163 Resp: 400876  
Ion Ratio Lower Upper  
163 100  
194 3.1 4.4 6.6#  
164 10.5 8.3 12.5

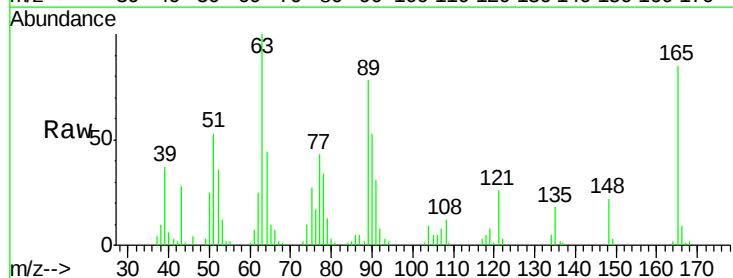


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

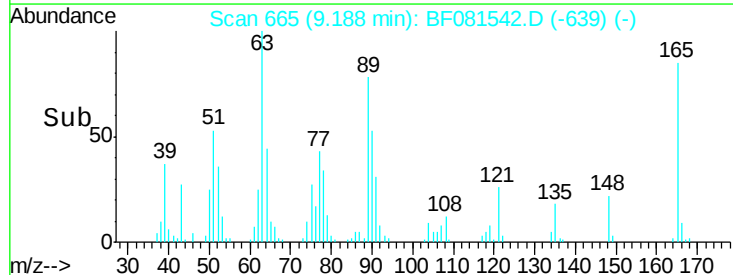
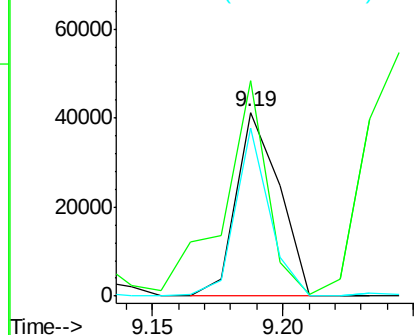


#50  
2,6-Dinitrotoluene  
Concen: 33.21 ng  
RT: 9.19 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:165 Resp: 48184  
Ion Ratio Lower Upper  
165 100  
63 117.4 32.3 48.5#  
89 91.2 28.6 43.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.04 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

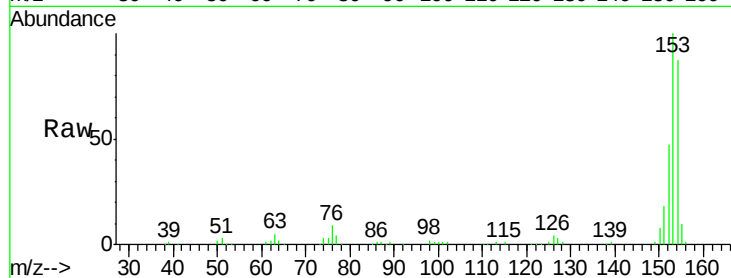
Tot Ion:154 Resp: 204333

Ion Ratio Lower Upper

154 100

153 114.8 82.1 123.1

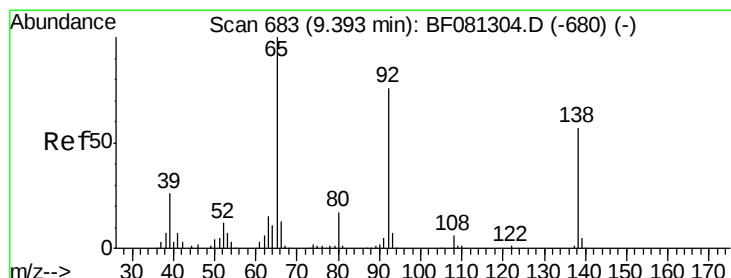
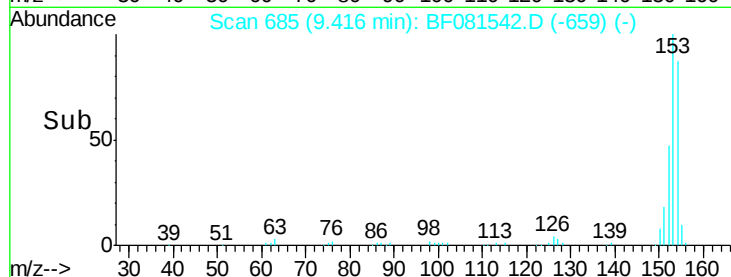
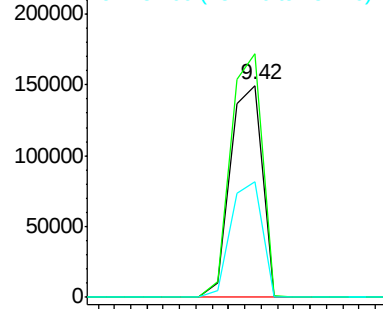
152 54.4 37.9 56.9



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: 34.93 ng

RT: 9.36 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

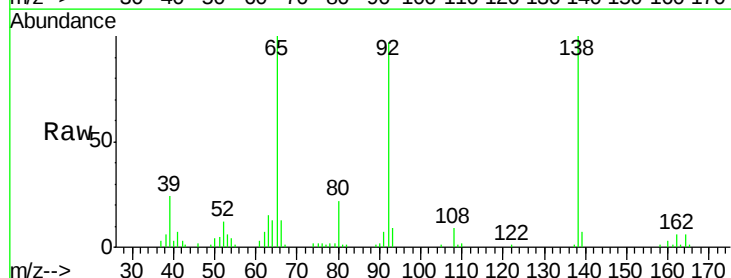
Tgt Ion:138 Resp: 57692

Ion Ratio Lower Upper

138 100

108 9.3 5.7 8.5#

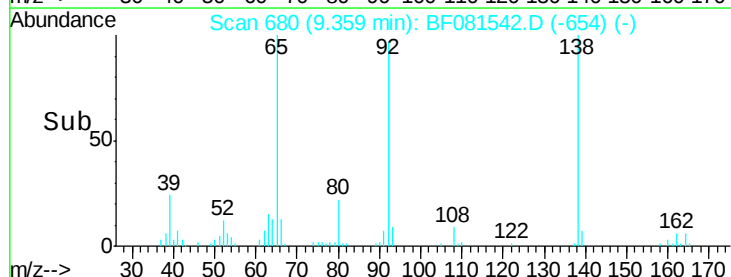
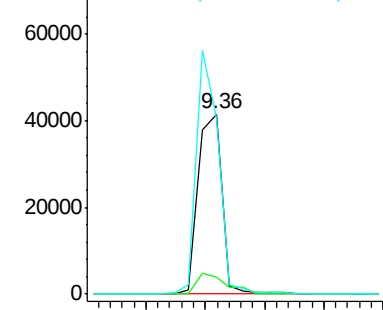
92 97.4 67.7 101.5

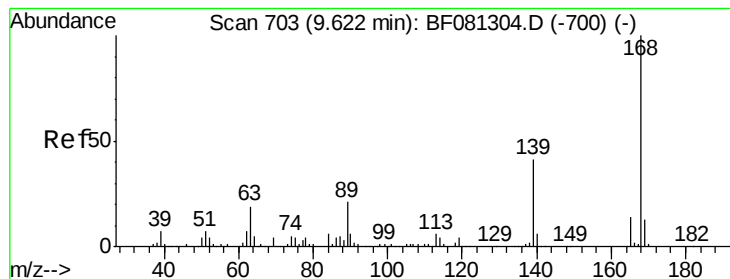


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 37.02 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

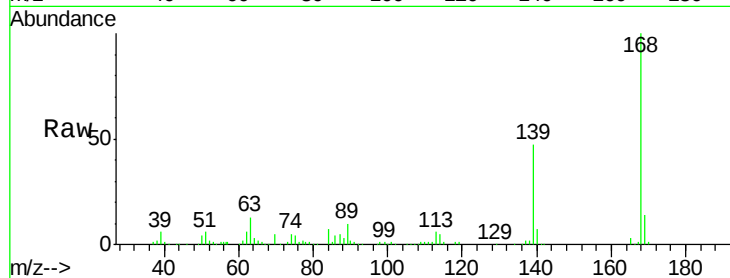
Tot Ion:168 Resp: 298200

Ion Ratio Lower Upper

168 100

139 46.6 24.2 36.2#

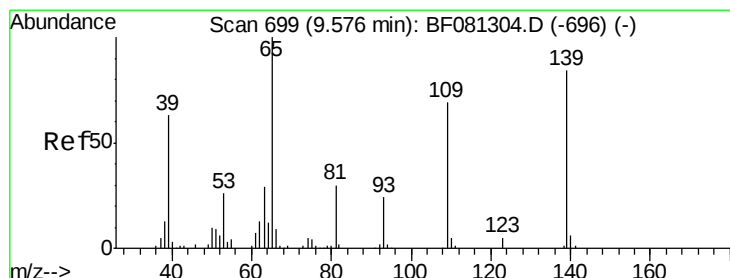
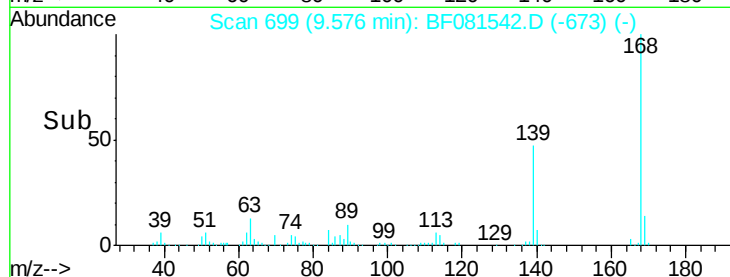
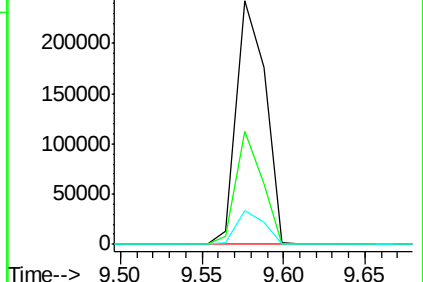
169 13.8 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 120.70 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.03 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

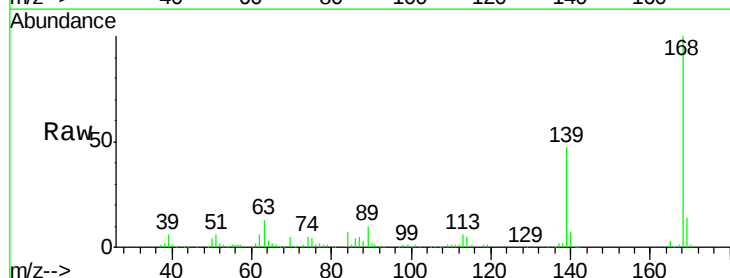
Tgt Ion:139 Resp: 125240

Ion Ratio Lower Upper

139 100

109 1.7 12.7 52.7#

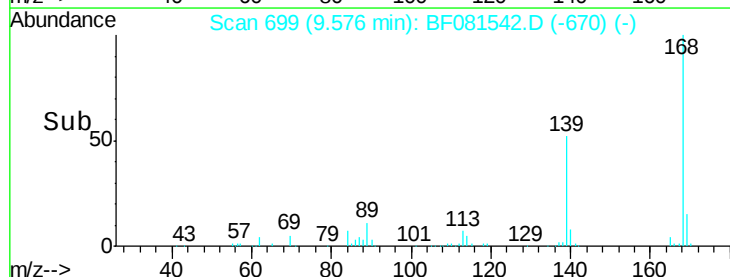
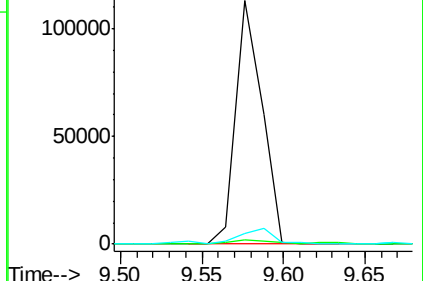
65 4.2 45.9 85.9#

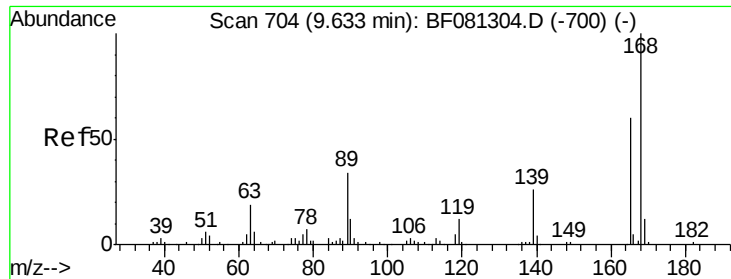


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

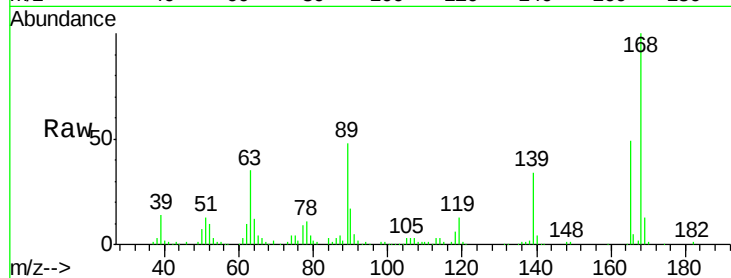




#56  
 2,4-Dinitrotoluene  
 Concen: 38.82 ng  
 RT: 9.59 min Scan# 700  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 71708      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 71.4  | 29.8 44.6# |
| 89          | 99.0  | 44.5 66.7# |
| 182         | 2.0   | 3.0 4.4#   |

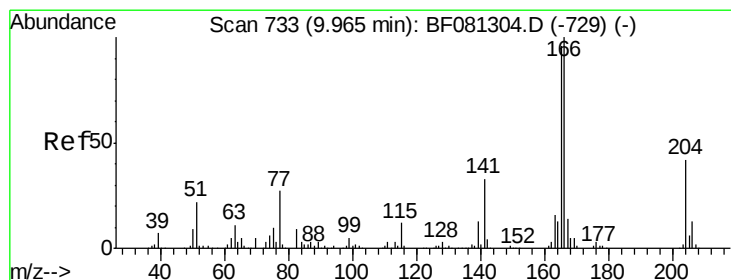
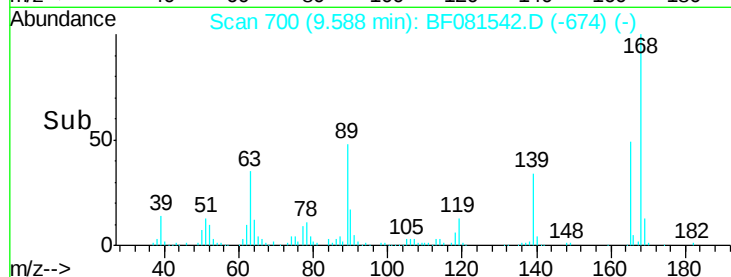
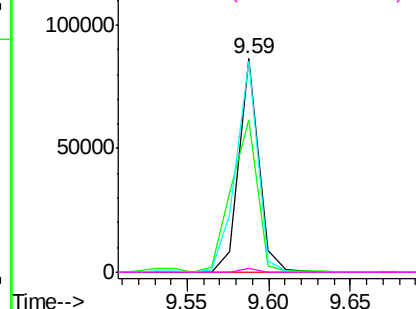


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

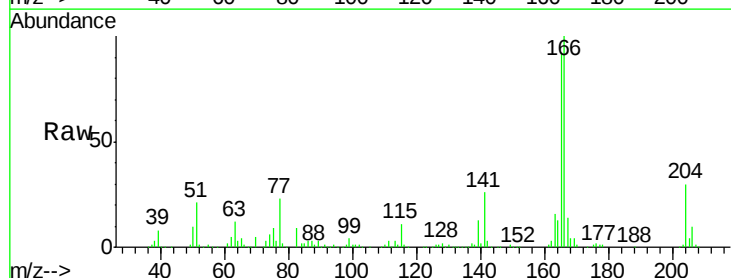
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57  
 Fluorene  
 Concen: 42.41 ng  
 RT: 9.92 min Scan# 729  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

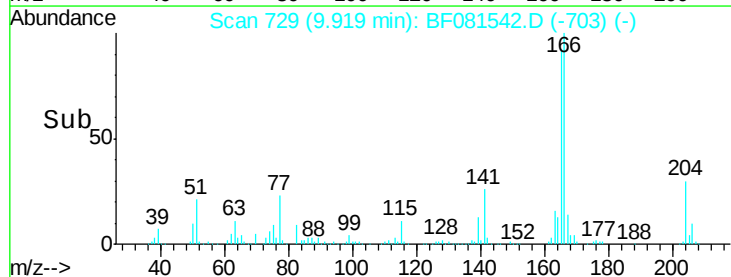
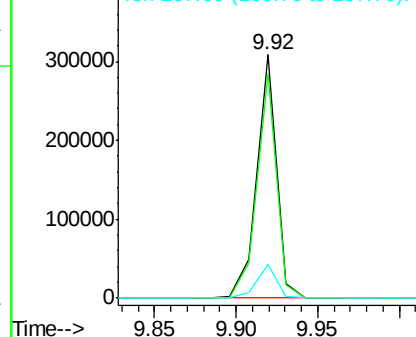
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 259219     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 92.3  | 72.6 109.0 |
| 167         | 13.9  | 10.6 16.0  |

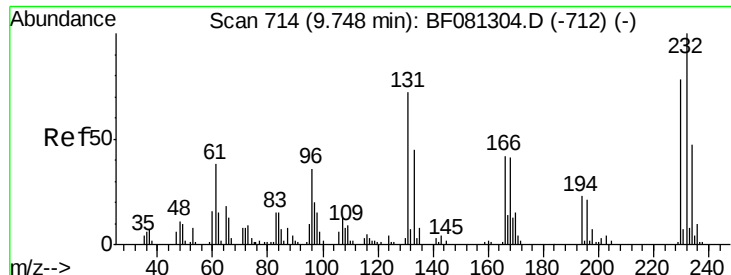


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

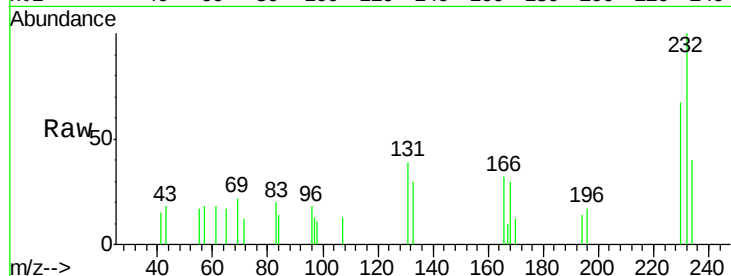




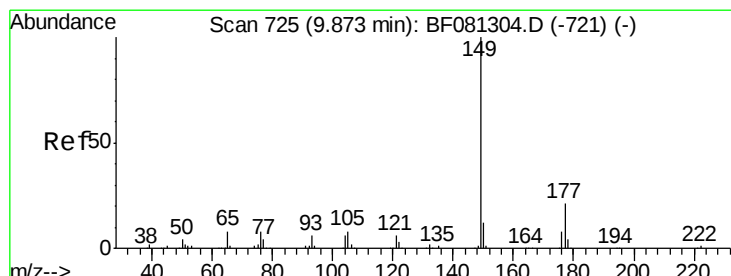
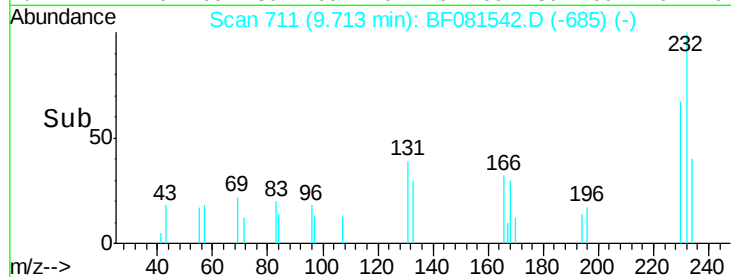
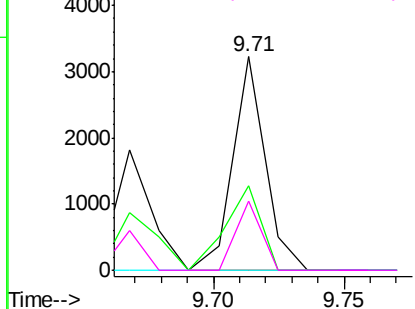
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.01 ng  
 RT: 9.71 min Scan# 711  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

Tot Ion:232 Resp: 2814  
 Ion Ratio Lower Upper  
 232 100  
 131 43.2 38.5 57.7  
 130 0.0 1.8 2.6#  
 166 0.0 25.0 37.6#

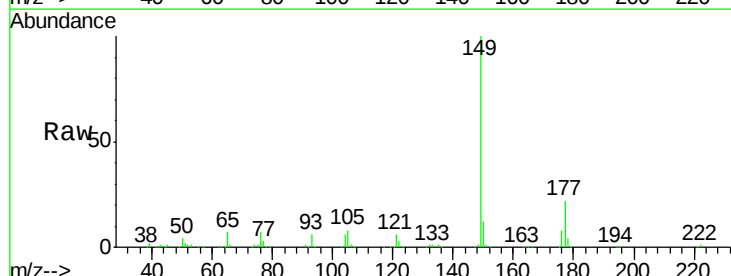


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

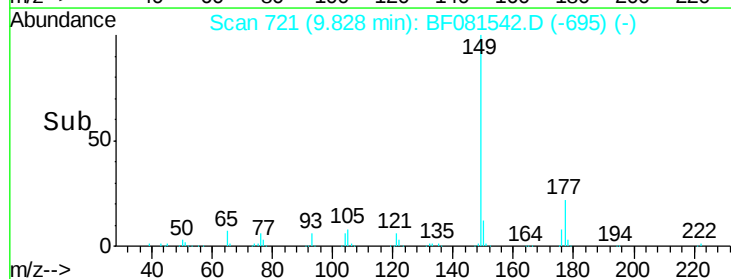
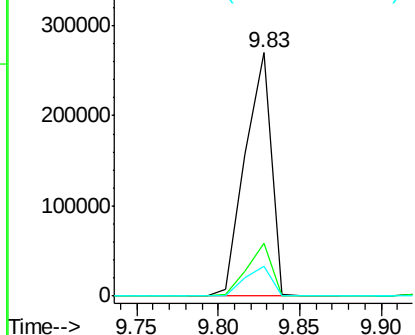


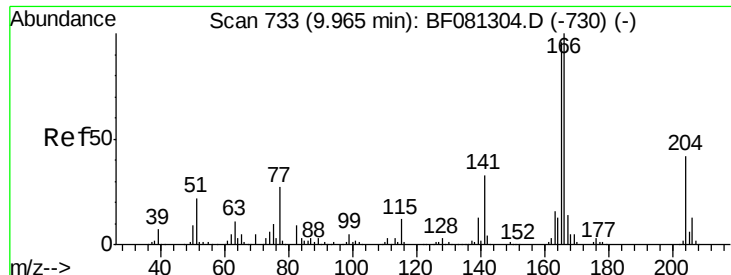
#59  
 Diethylphthalate  
 Concen: 44.62 ng  
 RT: 9.83 min Scan# 721  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:149 Resp: 300015  
 Ion Ratio Lower Upper  
 149 100  
 177 21.6 17.5 26.3  
 150 12.3 9.4 14.2



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

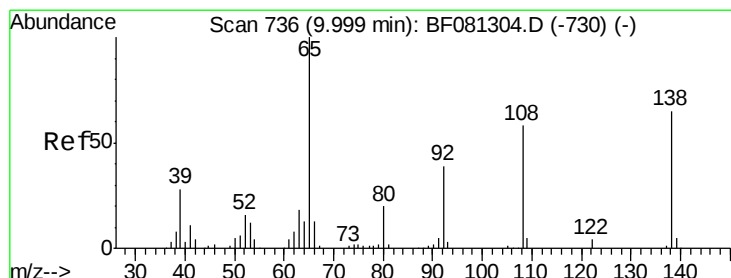
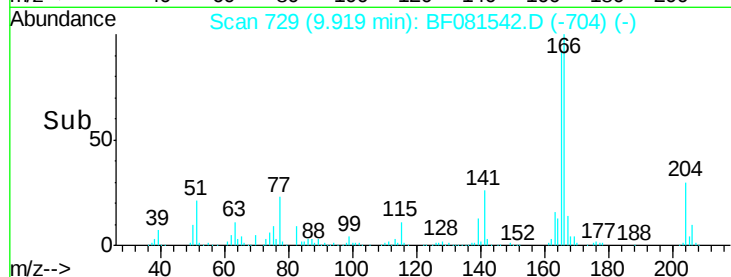
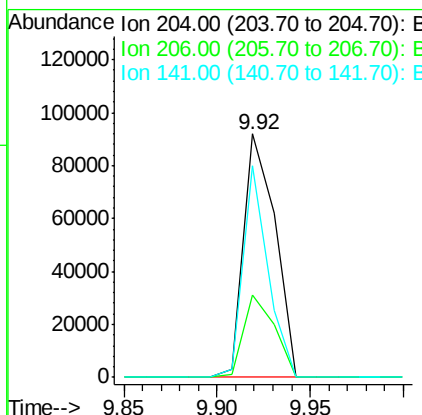
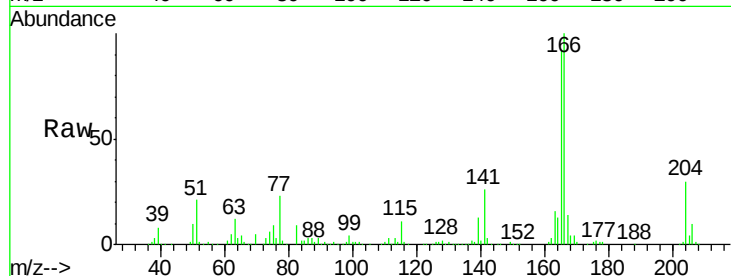




#60  
 4-Chlorophenyl-phenylether  
 Concen: 37.82 ng  
 RT: 9.92 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

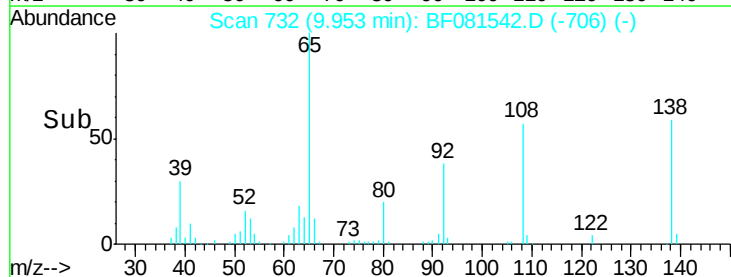
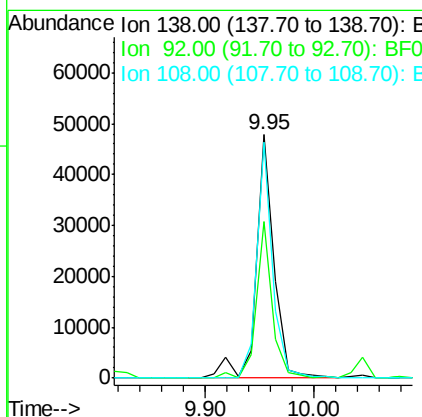
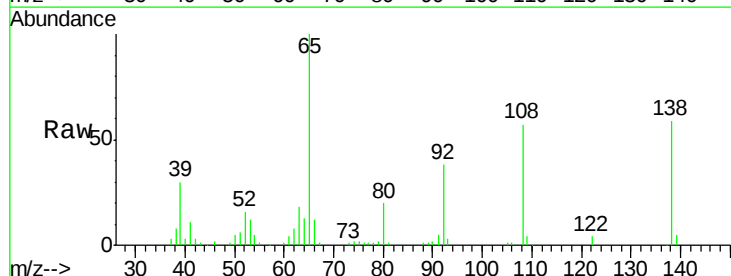
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

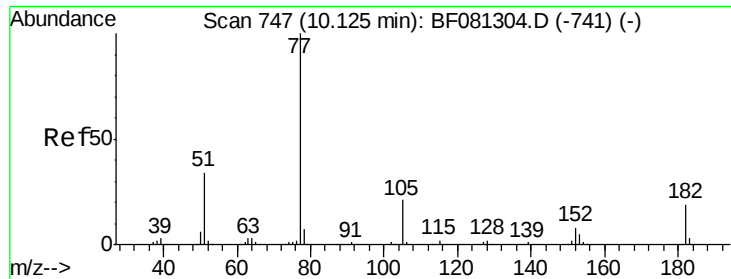
Tot Ion:204 Resp: 107748  
 Ion Ratio Lower Upper  
 204 100  
 206 33.7 24.8 37.2  
 141 86.9 42.2 63.4#



#61  
 4-Nitroaniline  
 Concen: 33.27 ng  
 RT: 9.95 min Scan# 732  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:138 Resp: 55513  
 Ion Ratio Lower Upper  
 138 100  
 92 64.1 12.6 52.6#  
 108 97.2 12.4 52.4#

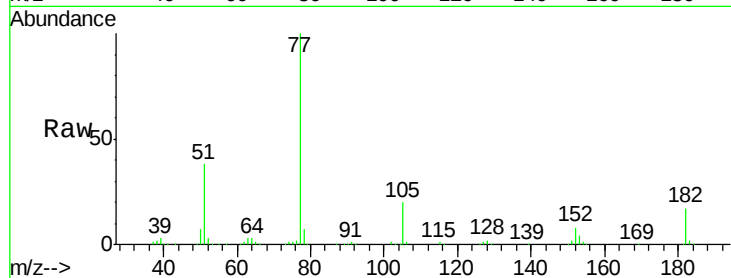




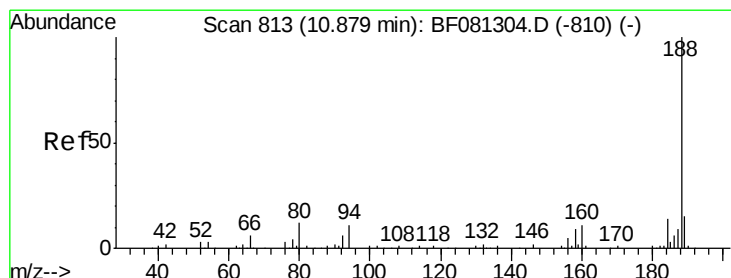
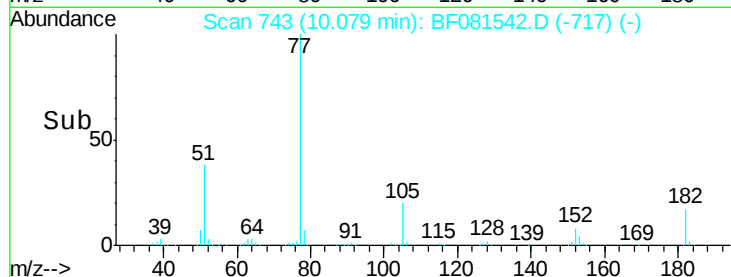
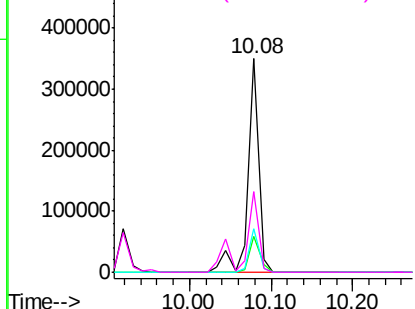
#62  
Azobenzene  
Concen: 42.48 ng  
RT: 10.08 min Scan# 743  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

Tot Ion: 77 Resp: 317563  
Ion Ratio Lower Upper  
77 100  
182 17.0 15.1 55.1  
105 20.2 3.4 43.4  
51 37.8 12.0 52.0

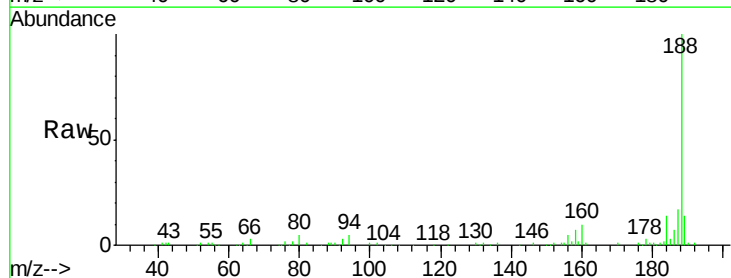


Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

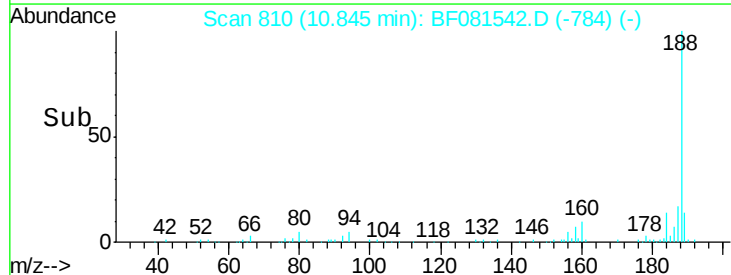
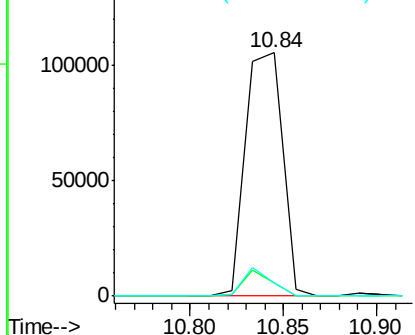


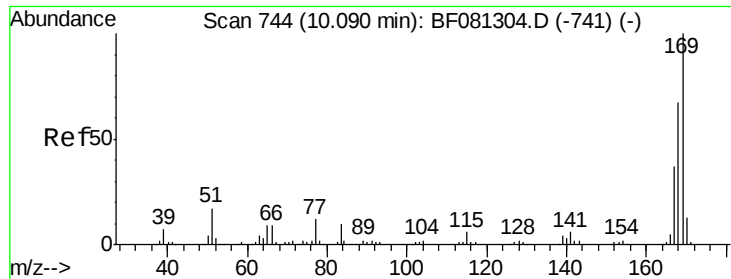
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.84 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion: 188 Resp: 145858  
Ion Ratio Lower Upper  
188 100  
94 5.2 11.1 16.7#  
80 5.4 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

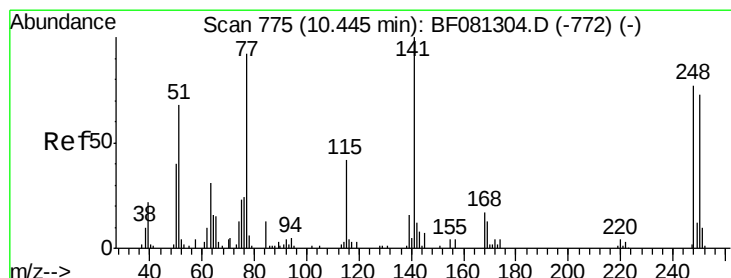
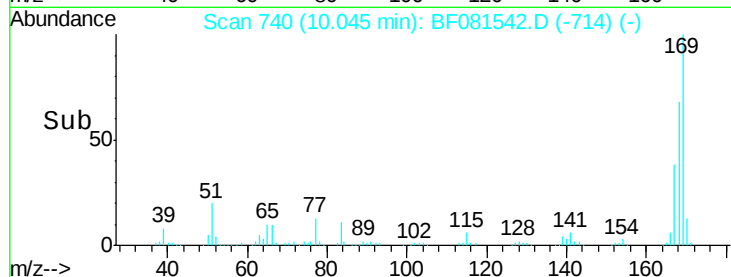
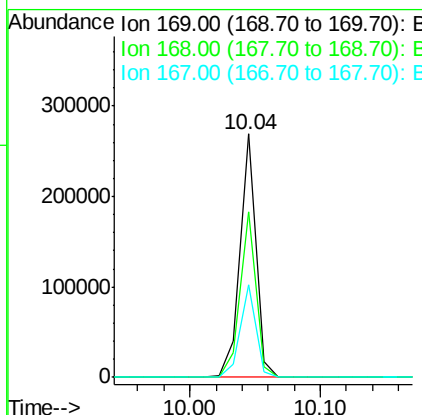
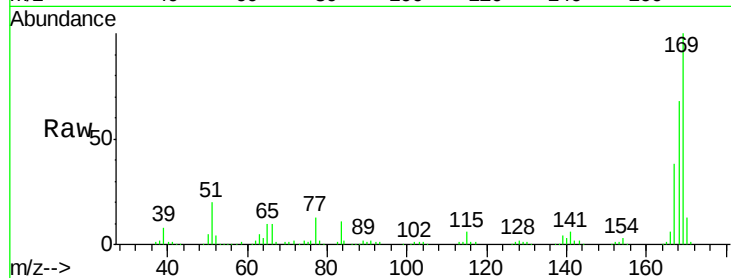




#65  
 n-Nitrosodiphenylamine  
 Concen: 42.55 ng  
 RT: 10.04 min Scan# 740  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

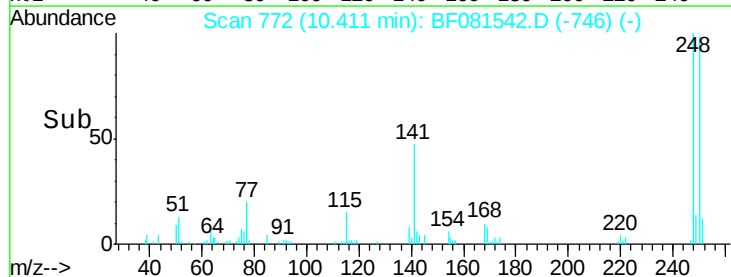
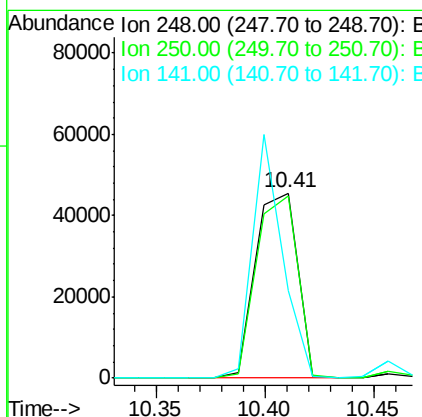
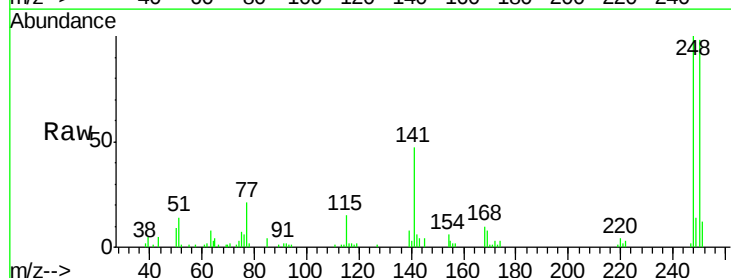
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

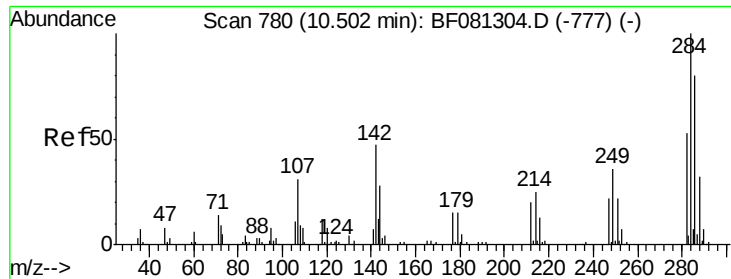
Tot Ion:169 Resp: 225834  
 Ion Ratio Lower Upper  
 169 100  
 168 68.0 48.9 73.3  
 167 37.9 26.2 39.4



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.89 ng  
 RT: 10.41 min Scan# 772  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:248 Resp: 61787  
 Ion Ratio Lower Upper  
 248 100  
 250 98.1 78.5 117.7  
 141 47.2 59.0 88.6#

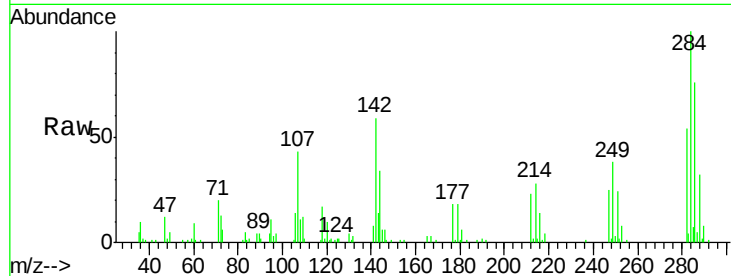




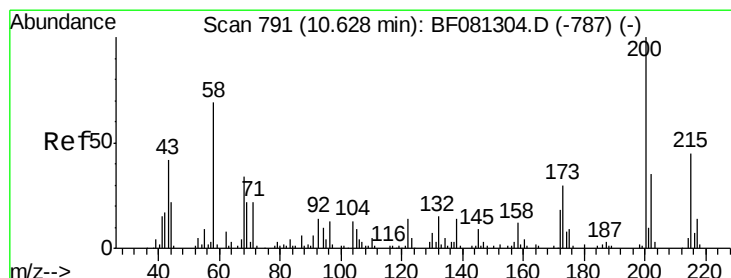
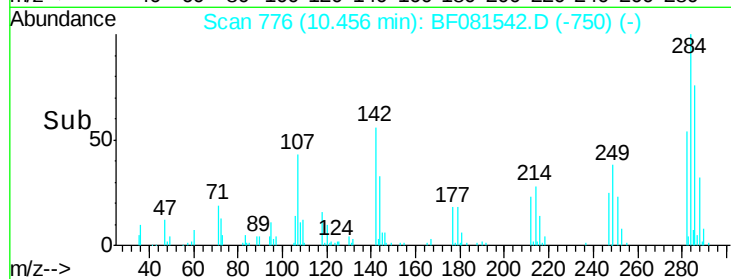
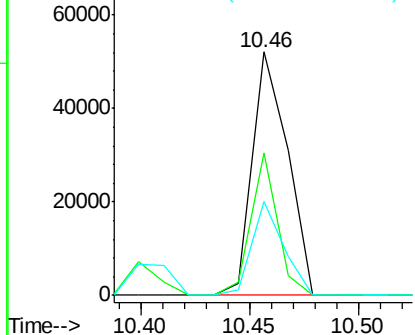
#67  
Hexachlorobenzene  
Concen: 38.17 ng  
RT: 10.46 min Scan# 776  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 58.7  | 29.5  | 44.3# |
| 249     | 38.4  | 19.5  | 29.3# |

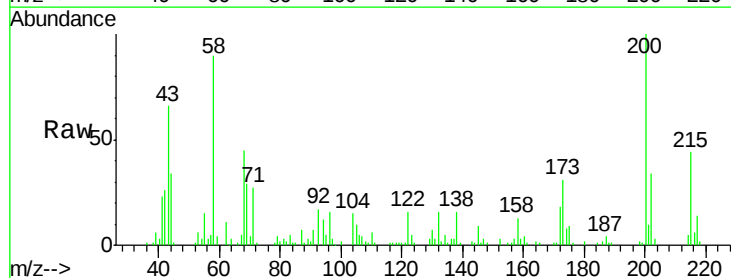


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

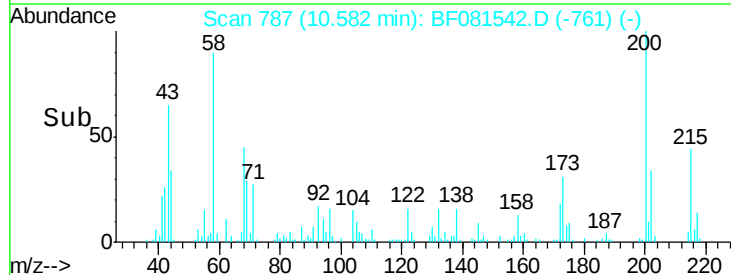
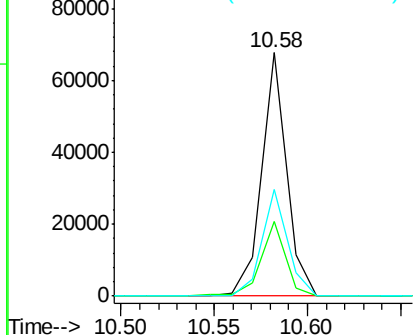


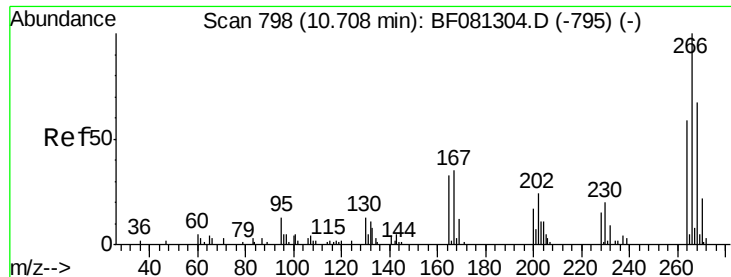
#68  
Atrazine  
Concen: 40.58 ng  
RT: 10.58 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 30.5  | 13.2  | 53.2  |
| 215     | 43.6  | 41.8  | 81.8  |



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

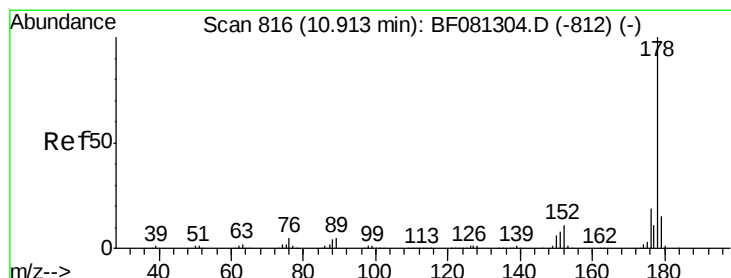
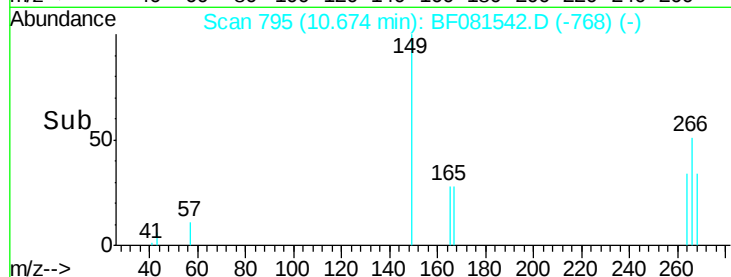
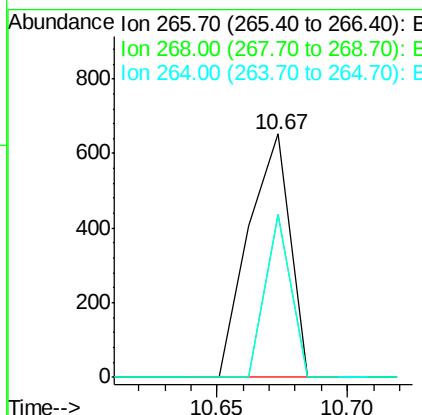
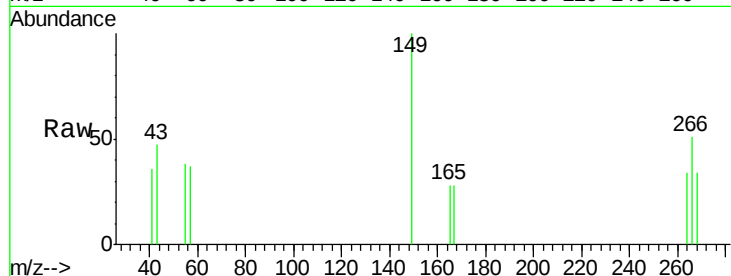




#69  
 Pentachlorophenol  
 Concen: 9.61 ng  
 RT: 10.67 min Scan# 795  
 Delta R.T. 0.01 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

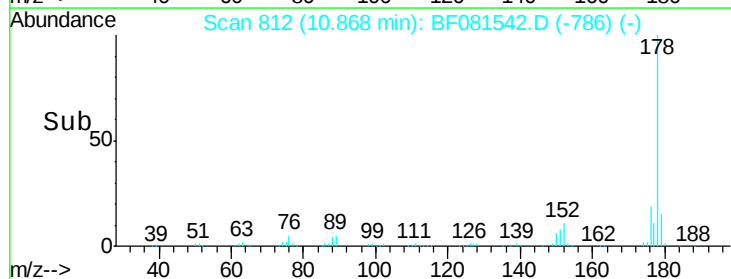
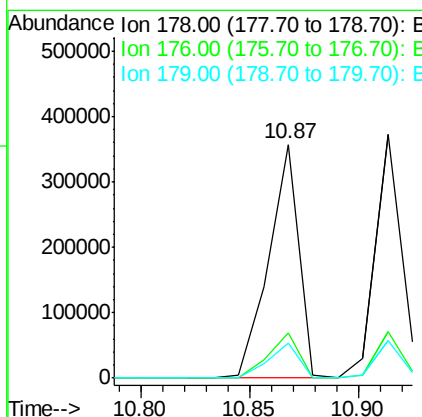
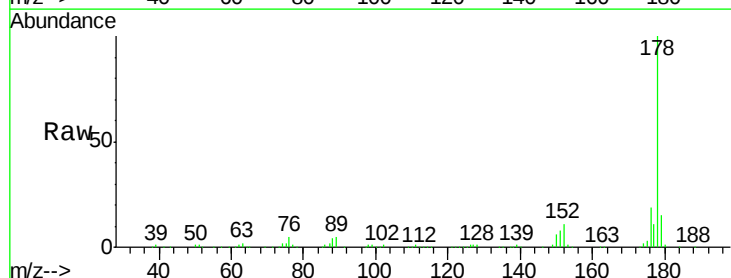
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

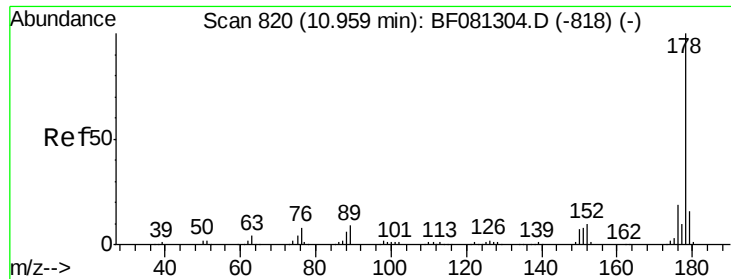
Tot Ion:266 Resp: 727  
 Ion Ratio Lower Upper  
 266 100  
 268 67.1 49.8 74.6  
 264 66.8 50.2 75.2



#70  
 Phenanthrene  
 Concen: 43.02 ng  
 RT: 10.87 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:178 Resp: 348849  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 13.8 20.8  
 179 14.9 12.2 18.2

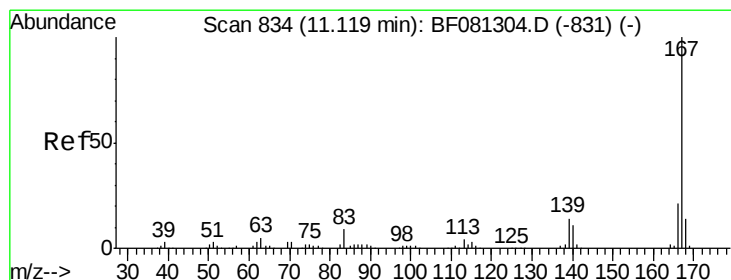
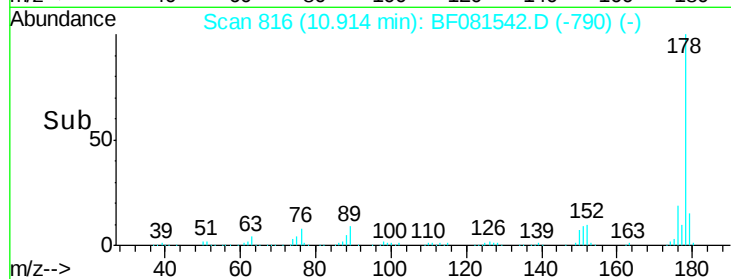
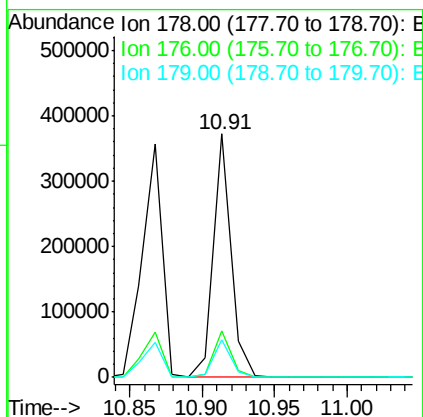
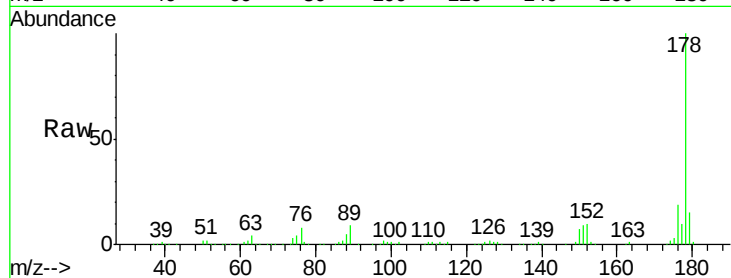




#71  
 Anthracene  
 Concen: 38.12 ng  
 RT: 10.91 min Scan# 816  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

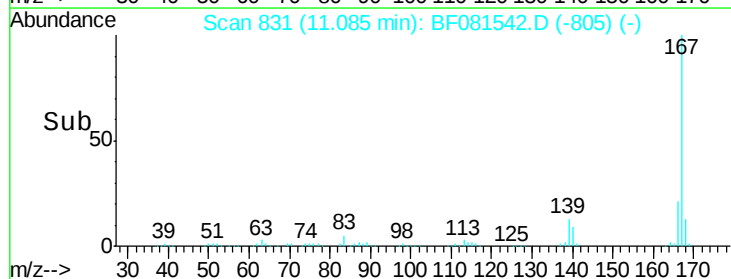
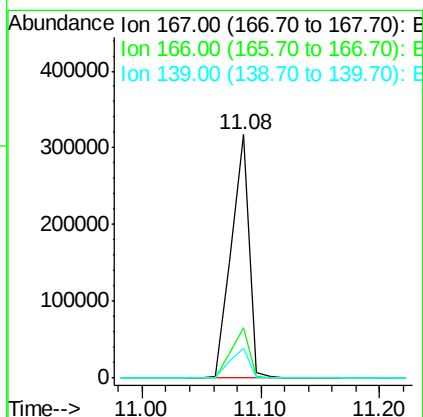
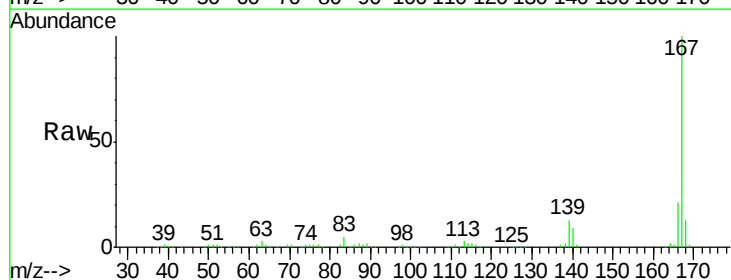
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

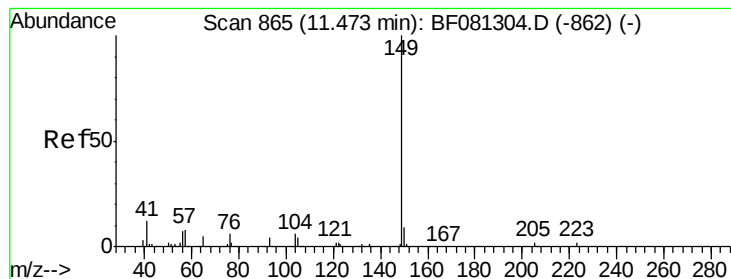
Tot Ion:178 Resp: 317604  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 14.1 21.1  
 179 15.5 12.2 18.2



#72  
 Carbazole  
 Concen: 42.22 ng  
 RT: 11.08 min Scan# 831  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:167 Resp: 330058  
 Ion Ratio Lower Upper  
 167 100  
 166 20.9 15.7 23.5  
 139 12.5 9.5 14.3





#73

Di-n-butylphthalate

Concen: 44.02 ng

RT: 11.44 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

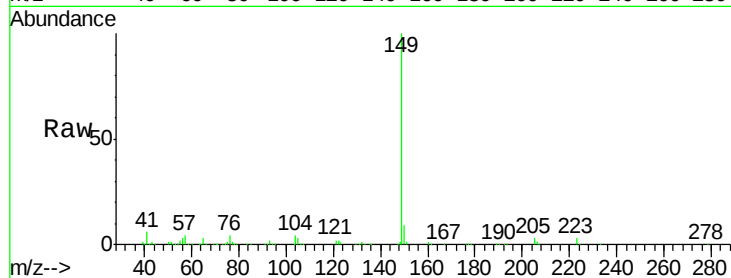
Tot Ion:149 Resp: 406328

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

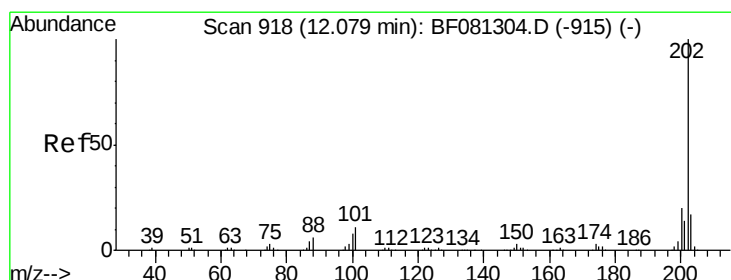
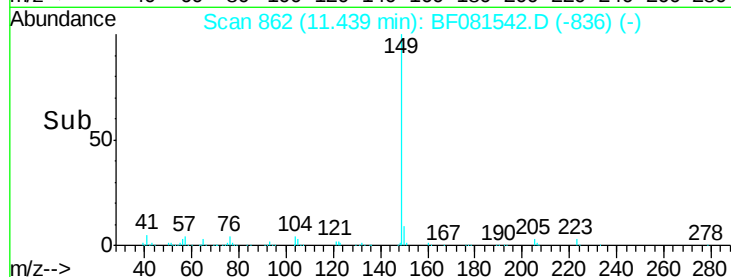
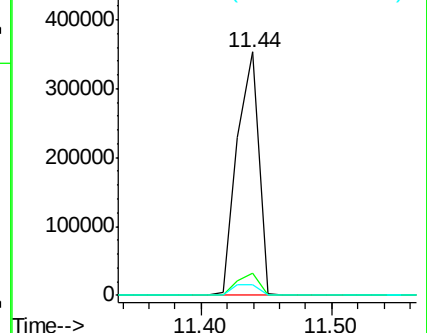
104 4.2 2.4 3.6#



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: 32.17 ng

RT: 12.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

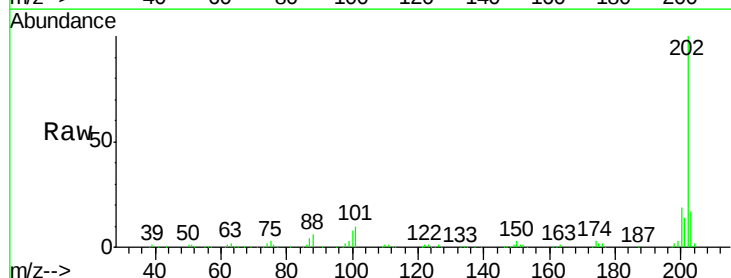
Tgt Ion:202 Resp: 282412

Ion Ratio Lower Upper

202 100

101 9.9 0.0 38.3

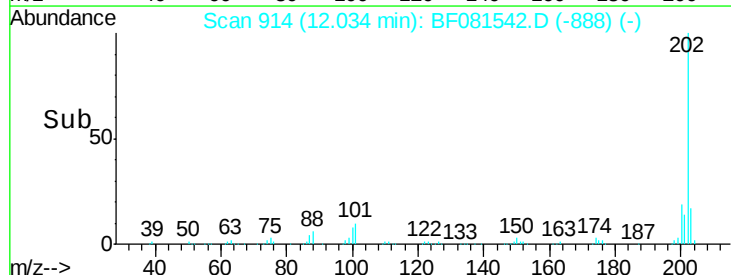
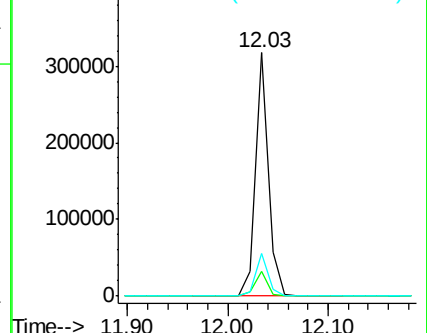
203 17.4 0.0 37.3

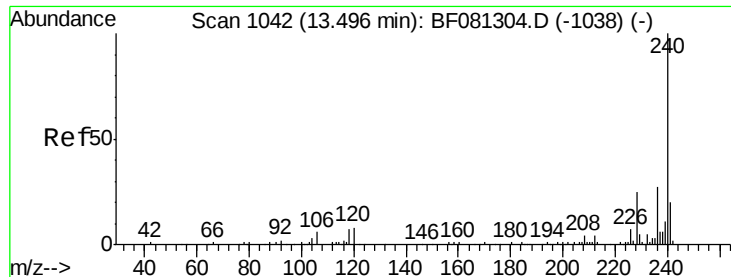


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

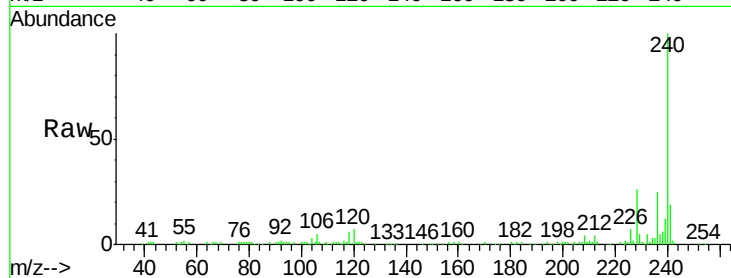
Tot Ion:240 Resp: 104076

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

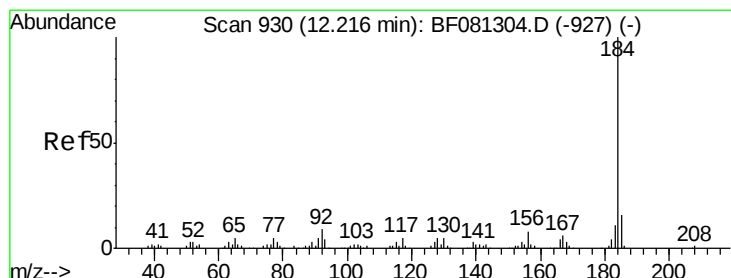
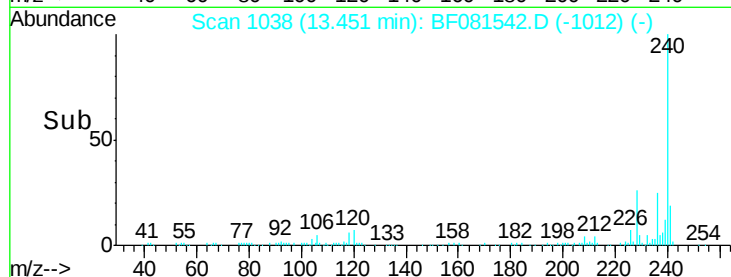
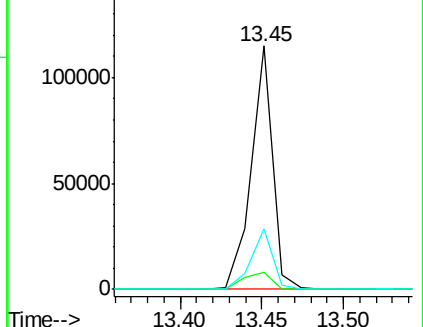
236 24.9 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 31.30 ng

RT: 12.18 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

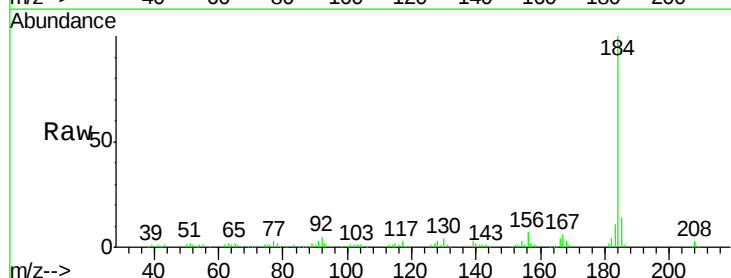
Tgt Ion:184 Resp: 139843

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.6

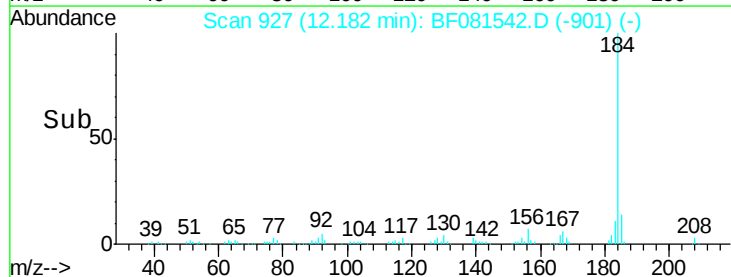
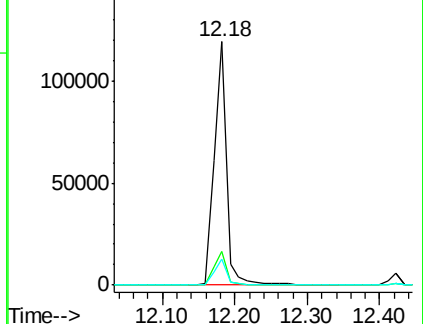
183 10.6 7.6 11.4

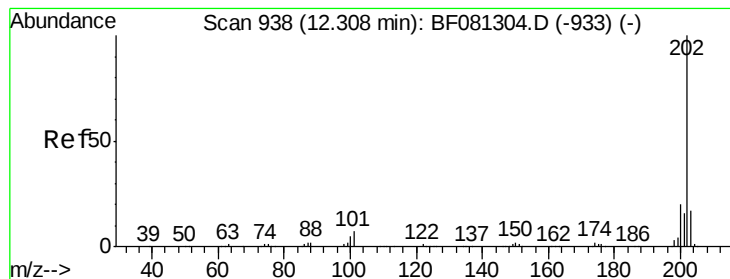


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 38.66 ng

RT: 12.26 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

Instrument :

BNA\_F

ClientSampleId :

MGP212BR(51.5-54)MS

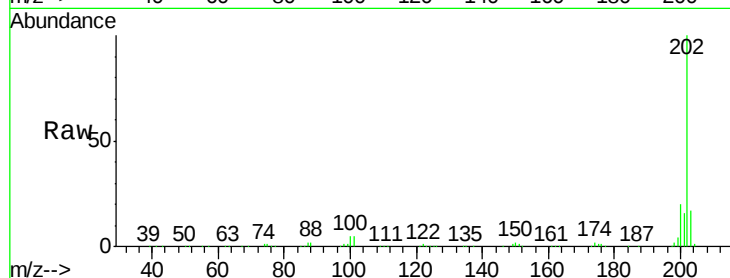
Tot Ion:202 Resp: 298056

Ion Ratio Lower Upper

202 100

200 19.7 15.0 22.4

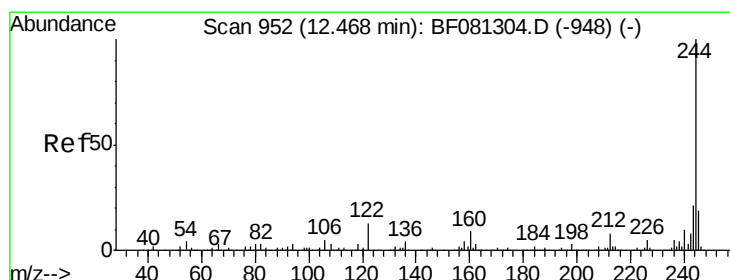
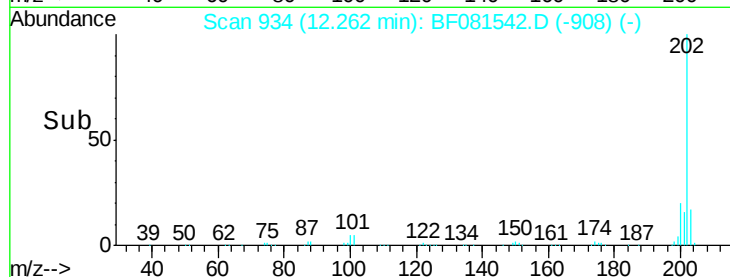
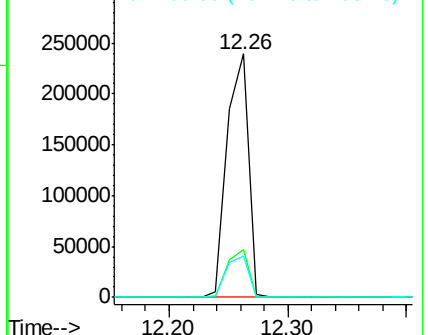
203 16.8 14.1 21.1



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: 67.66 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF081542.D

Acq: 9 Sep 2015 3:08

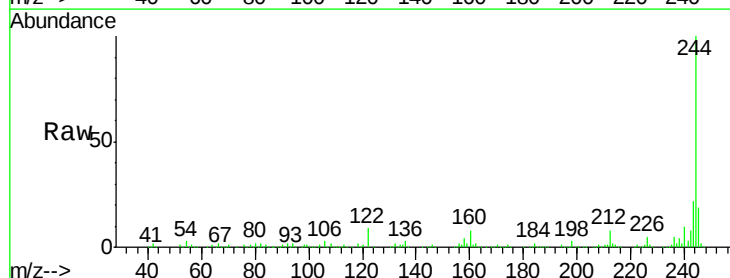
Tgt Ion:244 Resp: 302515

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

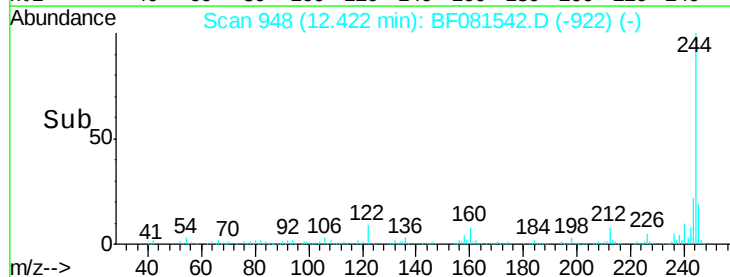
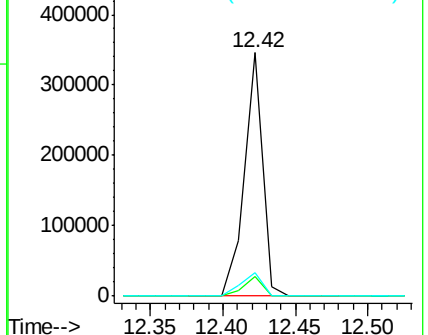
122 9.4 17.4 26.2#

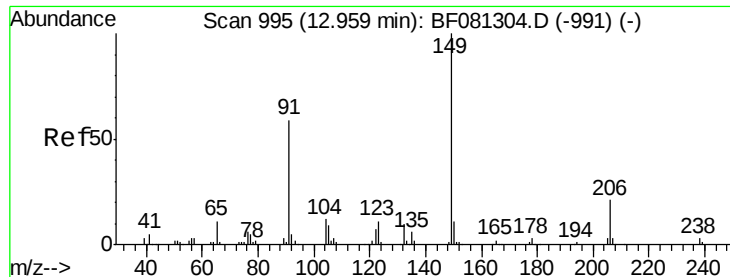


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

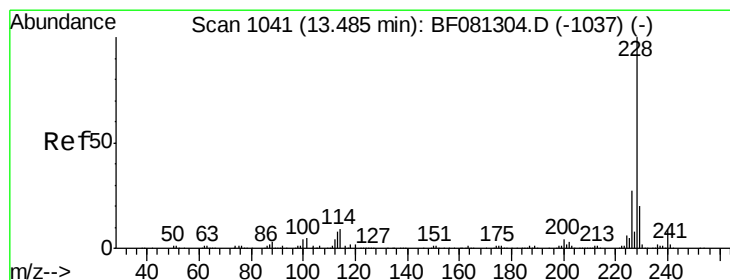
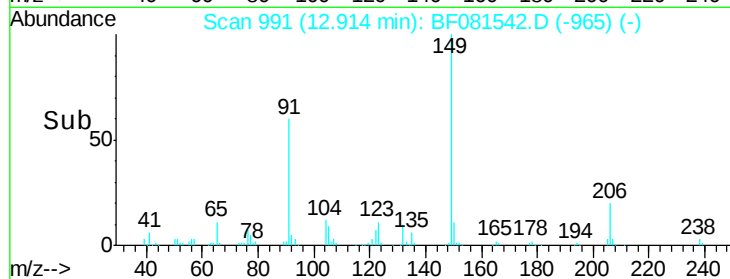
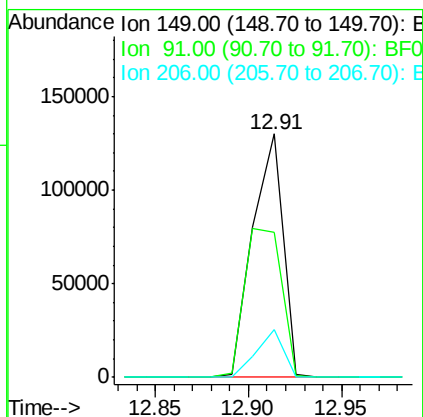
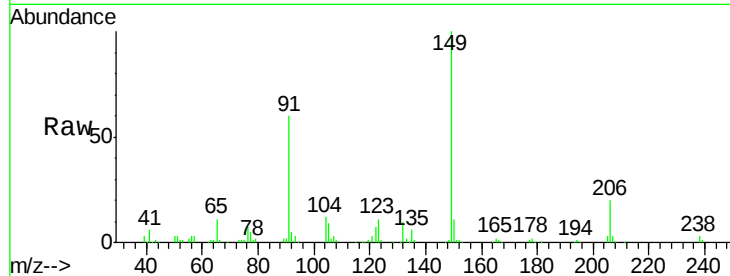




#79  
Butylbenzylphthalate  
Concen: 43.63 ng  
RT: 12.91 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

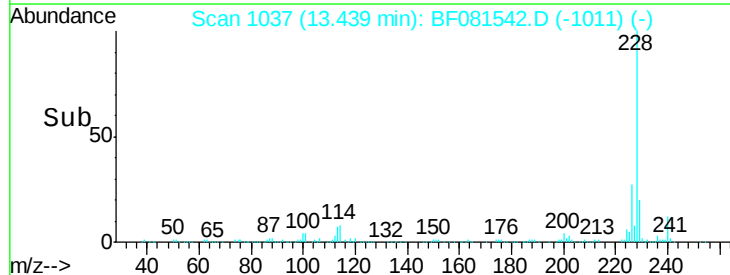
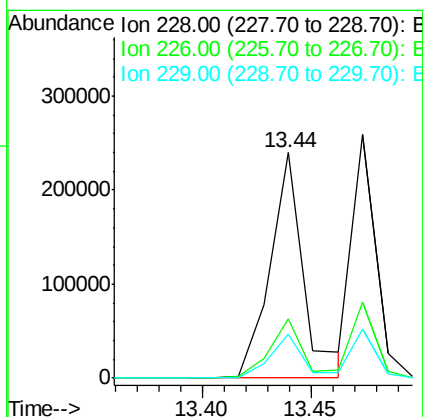
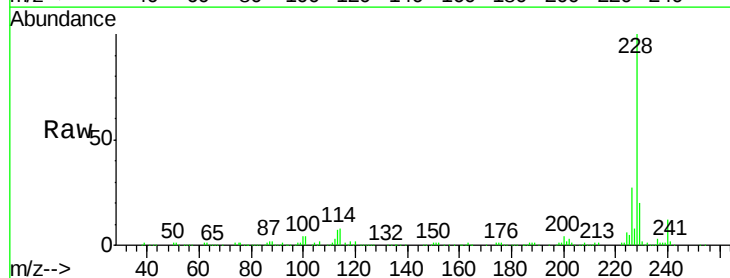
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

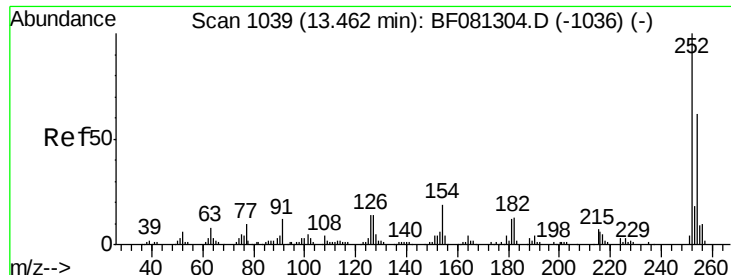
Tot Ion:149 Resp: 146271  
Ion Ratio Lower Upper  
149 100  
91 59.8 48.6 72.8  
206 19.8 14.9 22.3



#80  
Benzo(a)anthracene  
Concen: 39.04 ng  
RT: 13.44 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:228 Resp: 258777  
Ion Ratio Lower Upper  
228 100  
226 26.6 20.0 30.0  
229 19.6 15.4 23.2

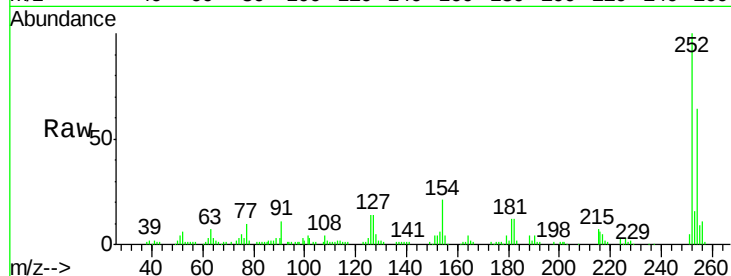




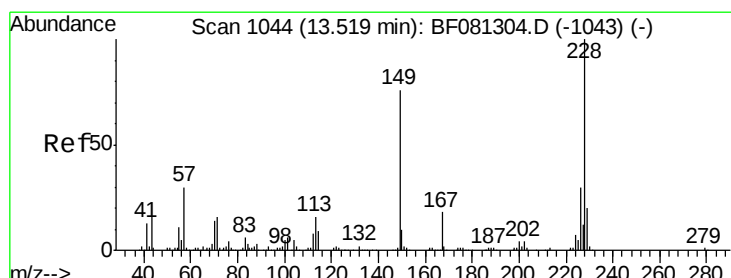
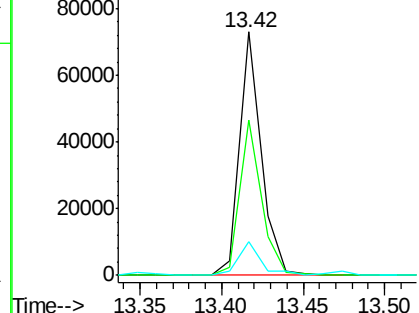
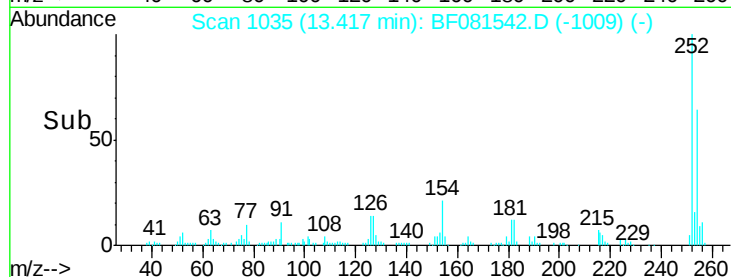
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.77 ng  
 RT: 13.42 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.5  | 51.4  | 77.2  |
| 126     | 13.9  | 16.4  | 24.6  |

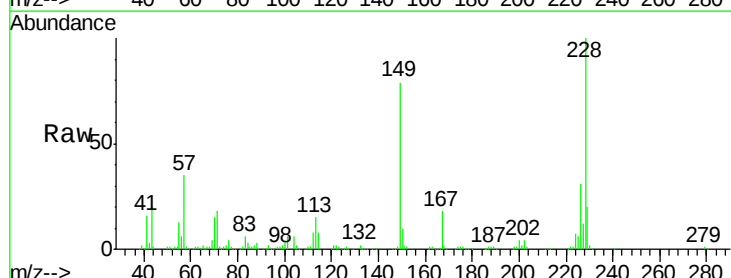


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

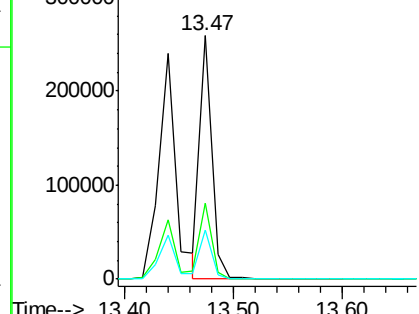
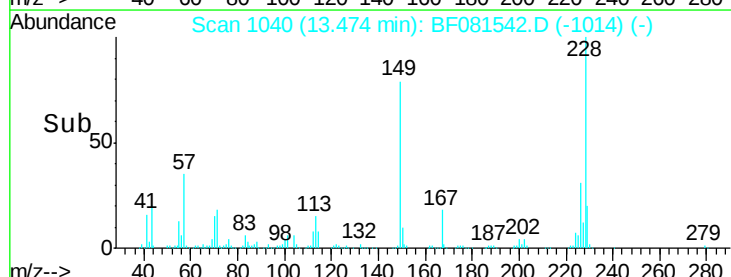


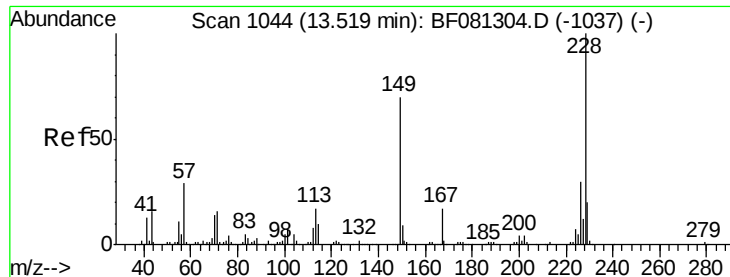
#82  
 Chrysene  
 Concen: 33.64 ng  
 RT: 13.47 min Scan# 1040  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 21.0  | 31.4  |
| 229     | 19.9  | 15.6  | 23.4  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

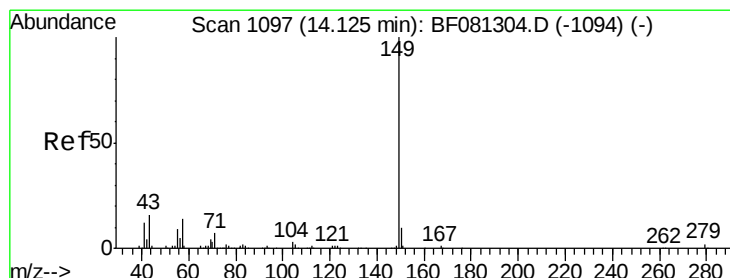
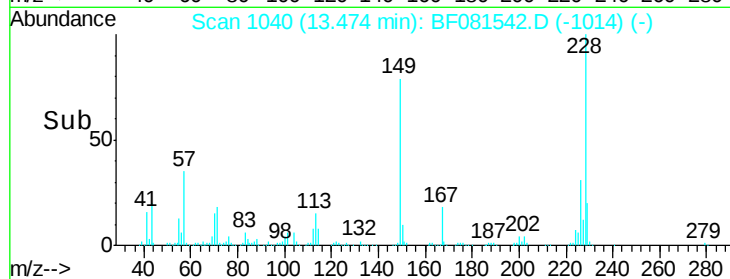
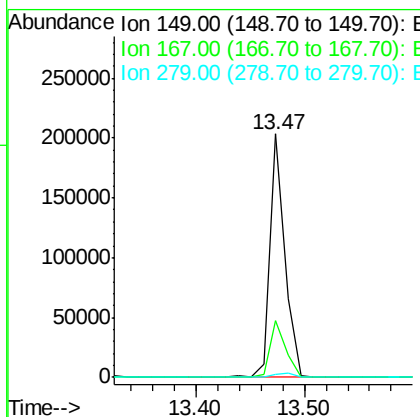
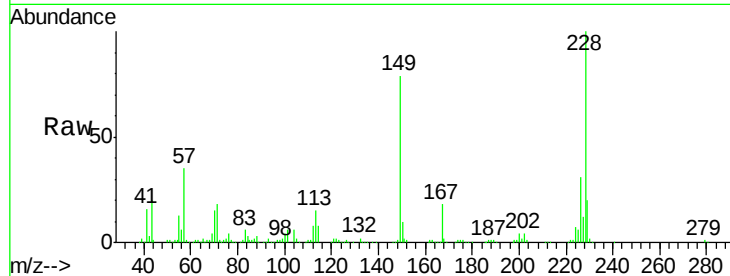




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.18 ng  
 RT: 13.47 min Scan# 1040  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

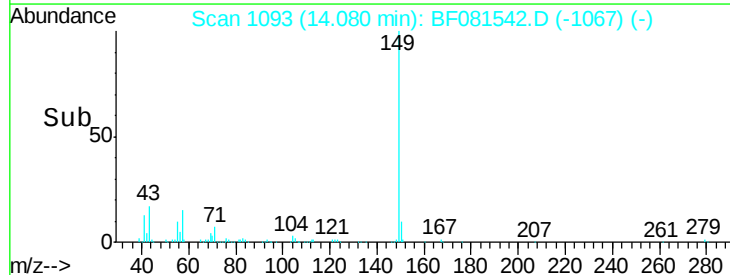
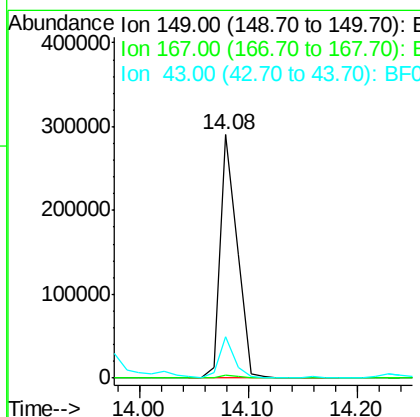
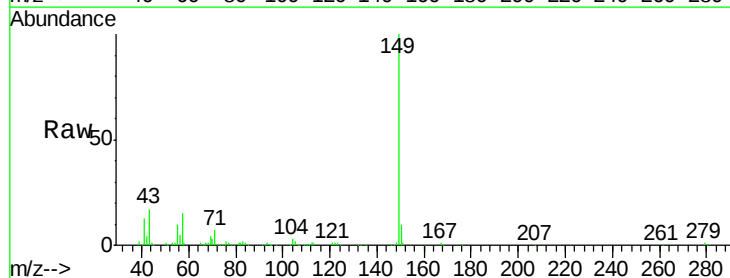
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

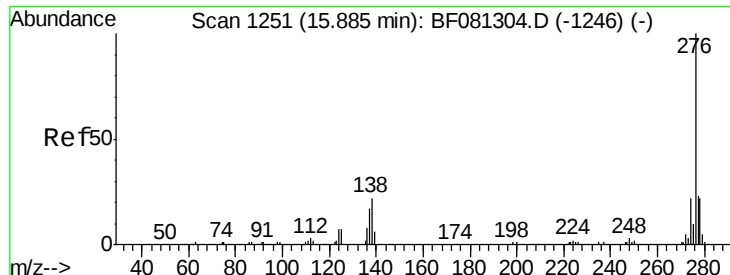
Tot Ion:149 Resp: 195468  
 Ion Ratio Lower Upper  
 149 100  
 167 23.4 24.2 36.2#  
 279 1.4 3.8 5.6#



#84  
 Di-n-octyl phthalate  
 Concen: 43.13 ng  
 RT: 14.08 min Scan# 1093  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Tgt Ion:149 Resp: 314194  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.0 1.6  
 43 15.0 10.2 15.2

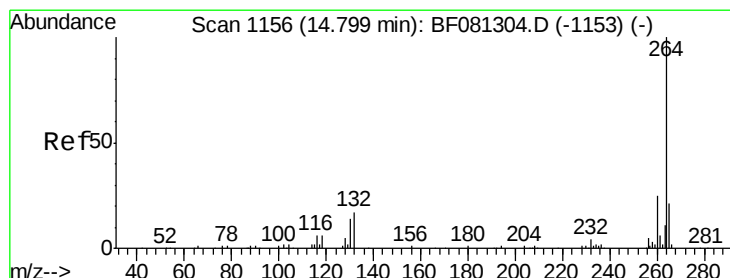
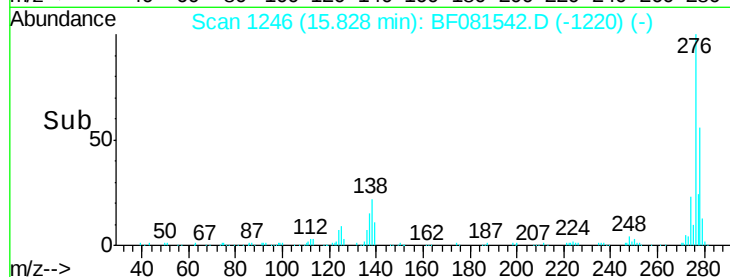
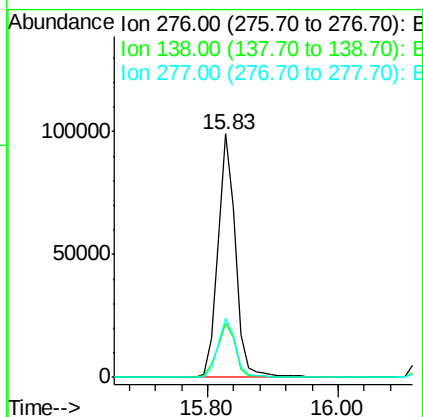
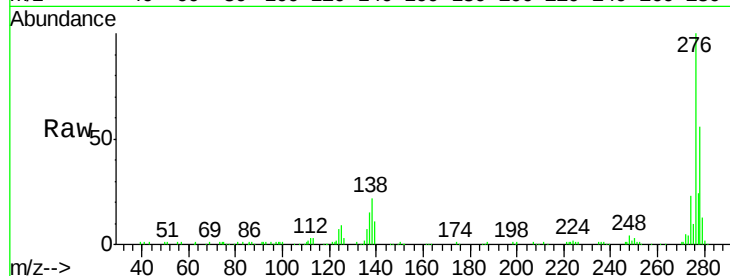




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.42 ng  
 RT: 15.83 min Scan# 1246  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

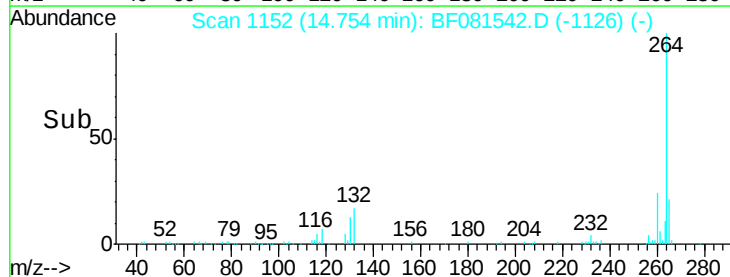
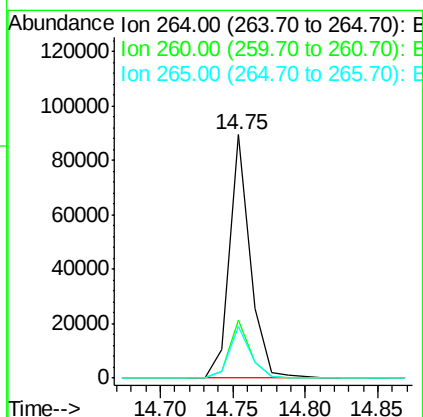
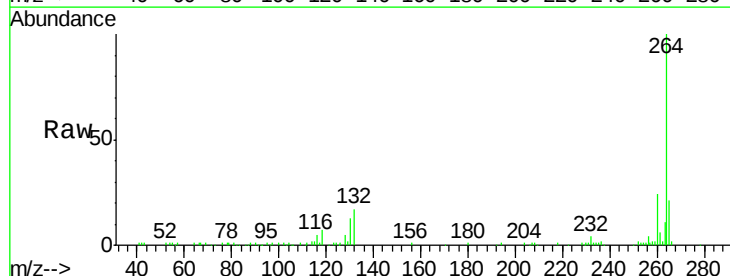
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

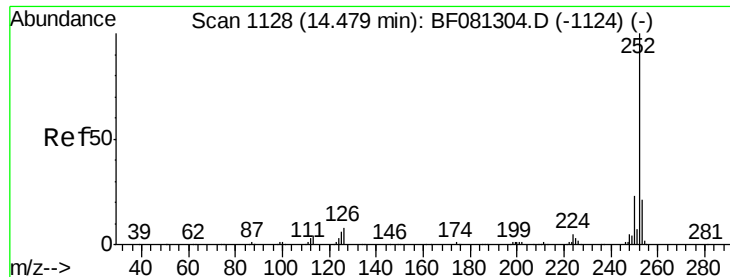
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 25.7  | 38.5# |
| 277     | 24.2  | 15.6  | 23.4# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 16.7  | 25.1  |
| 265     | 21.0  | 17.2  | 25.8  |

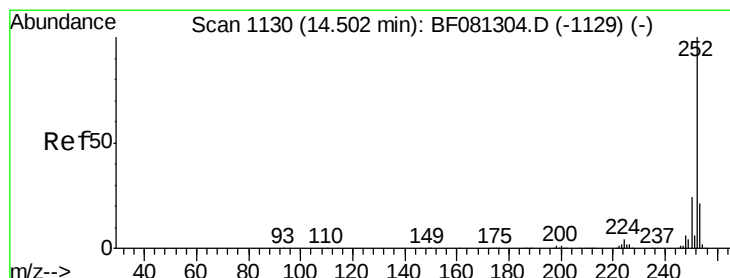
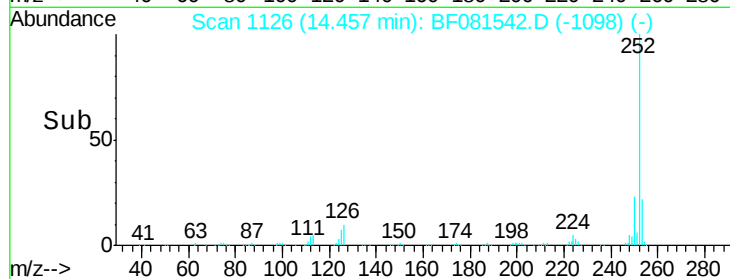
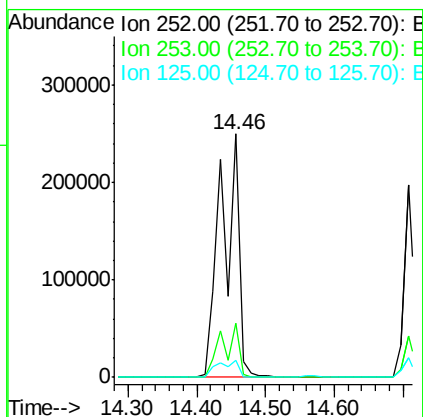
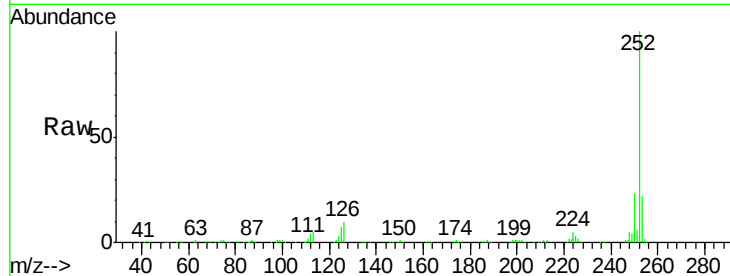




#87  
Benzo(b)fluoranthene  
Concen: 73.22 ng  
RT: 14.46 min Scan# 1126  
Delta R.T. 0.02 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

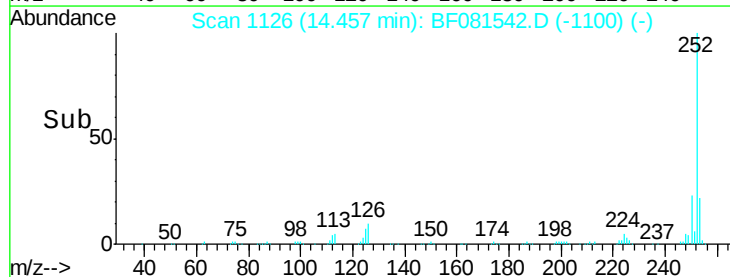
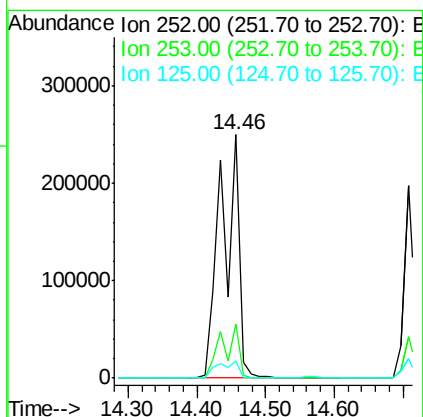
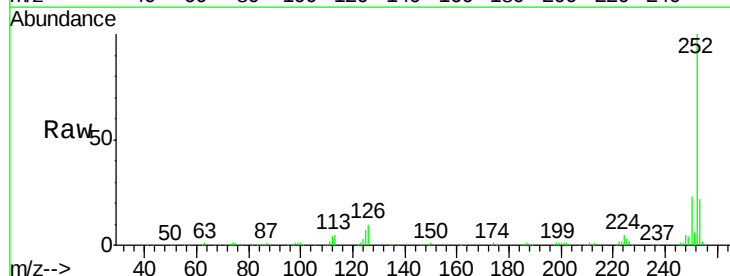
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

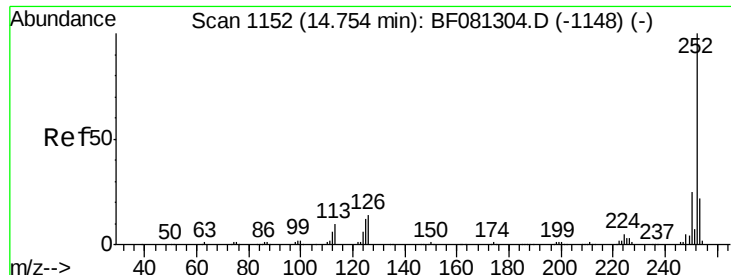
Tot Ion:252 Resp: 463023  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.5 26.3  
125 7.0 17.1 25.7#



#88  
Benzo(k)fluoranthene  
Concen: 88.24 ng  
RT: 14.46 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:252 Resp: 463023  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.0 25.4  
125 7.0 16.0 24.0#

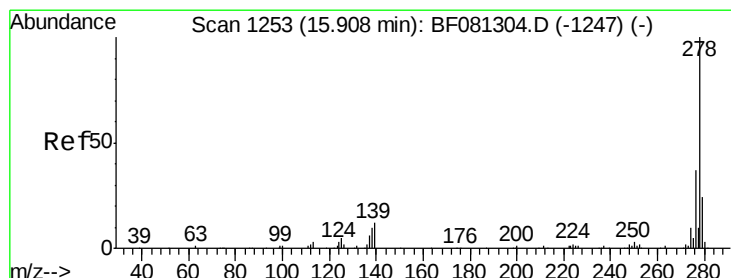
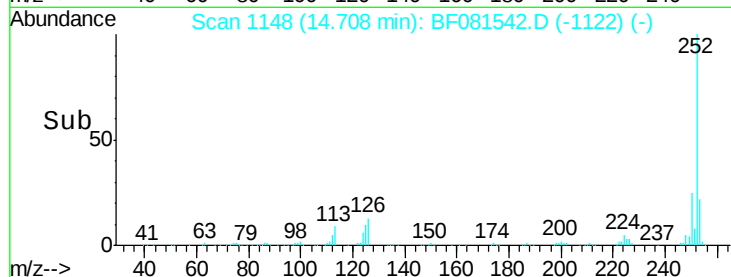
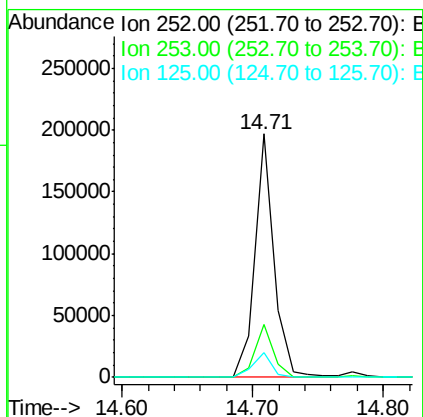
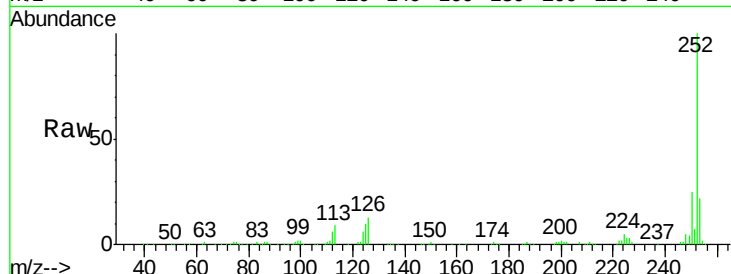




#89  
Benzo(a)pyrene  
Concen: 37.75 ng  
RT: 14.71 min Scan# 1148  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

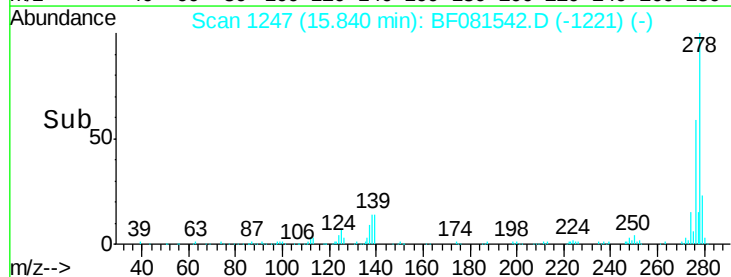
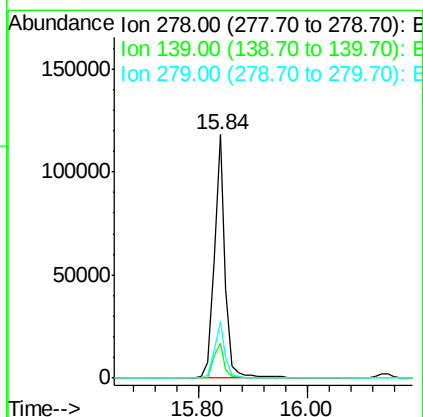
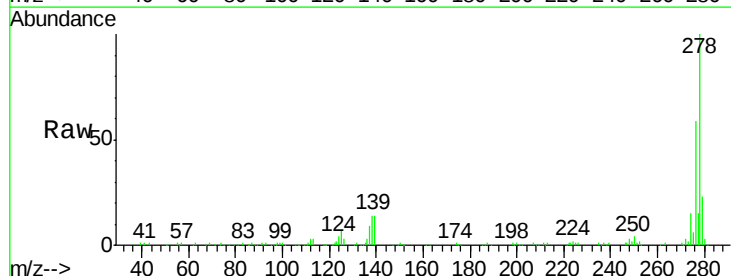
Instrument :  
BNA\_F  
ClientSampleId :  
MGP212BR(51.5-54)MS

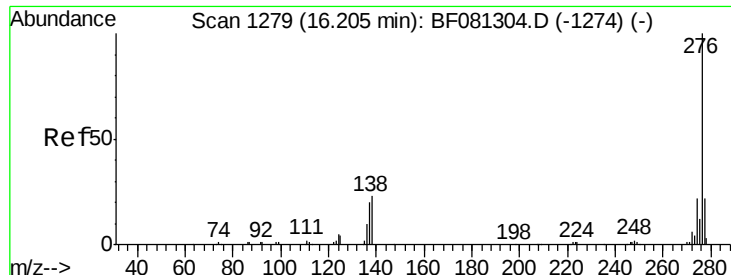
Tot Ion:252 Resp: 202316  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.2 25.8  
125 10.3 18.0 27.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 40.15 ng  
RT: 15.84 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: BF081542.D  
Acq: 9 Sep 2015 3:08

Tgt Ion:278 Resp: 166235  
Ion Ratio Lower Upper  
278 100  
139 14.5 26.3 39.5#  
279 23.2 18.2 27.4

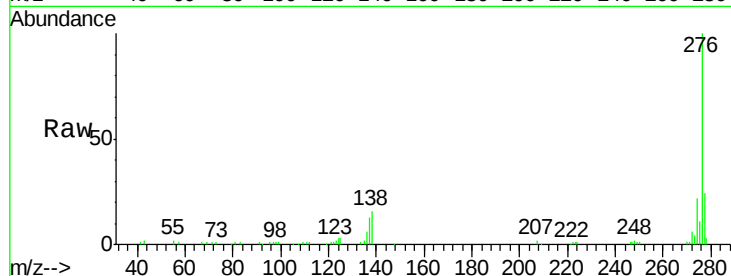




#91  
 Benzo(a,h,i)perylene  
 Concen: 36.07 ng  
 RT: 16.15 min Scan# 1274  
 Delta R.T. 0.01 min  
 Lab File: BF081542.D  
 Acq: 9 Sep 2015 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP212BR(51.5-54)MS

Tot Ion: 276 Resp: 142543  
 Ion Ratio Lower Upper  
 276 100  
 277 23.5 17.8 26.6  
 138 15.7 34.6 51.8#



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

