

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\  
 Data File : BF082238.D  
 Acq On : 13 Oct 2015 2:28  
 Operator : UM/IZ  
 Sample : G3990-13MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

Quant Time: Oct 13 06:29:37 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 13 06:28:22 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 65075    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 259983   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 127925   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.36 | 188  | 256122   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.01 | 240  | 228723   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.44 | 264  | 191252   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 222969 | 69.15  | ng | 0.01 |
| 7) Phenol-d6             | 6.47  | 99  | 188109 | 44.83  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 429035 | 110.82 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 203107 | 169.30 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.20  | 172 | 820496 | 106.37 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.95 | 244 | 874001 | 101.26 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.42 | 88  | 30806  | 19.02 | ng | 98     |
| 3) Pyridine                    | 3.15 | 79  | 62514  | 16.59 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.10 | 42  | 28668  | 17.94 | ng | # 97   |
| 6) Aniline                     | 6.49 | 93  | 146893 | 27.15 | ng | 97     |
| 8) 2-Chlorophenol              | 6.62 | 128 | 174597 | 44.36 | ng | 94     |
| 9) Benzaldehyde                | 6.38 | 77  | 117869 | 55.01 | ng | 94     |
| 10) Phenol                     | 6.48 | 94  | 81250  | 16.79 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 217628 | 53.20 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 206931 | 45.14 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 210375 | 43.94 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.85 | 146 | 212849 | 46.82 | ng | 97     |
| 15) Benzyl Alcohol             | 6.98 | 79  | 101845 | 35.16 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 302259 | 53.06 | ng | 98     |
| 17) 2-Methylphenol             | 7.10 | 107 | 111411 | 35.79 | ng | 99     |
| 18) Hexachloroethane           | 7.34 | 117 | 68071  | 41.54 | ng | # 89   |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 151189 | 51.31 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 115846 | 31.23 | ng | # 19   |
| 22) Acetophenone               | 7.25 | 105 | 278396 | 54.13 | ng | 94     |
| 24) Nitrobenzene               | 7.43 | 77  | 210488 | 50.23 | ng | # 80   |
| 25) Isophorone                 | 7.66 | 82  | 397240 | 50.84 | ng | 99     |
| 26) 2-Nitrophenol              | 7.74 | 139 | 107524 | 51.39 | ng | # 86   |
| 27) 2,4-Dimethylphenol         | 7.78 | 122 | 161276 | 47.84 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 245763 | 54.06 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 170822 | 50.69 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 180695 | 46.52 | ng | 97     |
| 31) Naphthalene                | 8.15 | 128 | 556812 | 49.41 | ng | 99     |
| 32) Benzoic acid               | 7.86 | 122 | 33755  | 14.92 | ng | 94     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 146924 | 31.39 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 103313 | 42.69 | ng | 98     |
| 35) Caprolactam                | 8.57 | 113 | 7428   | 7.59  | ng | # 80   |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 157512 | 47.80 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 412687 | 52.82 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 201923 | 53.07 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 8.98 | 237 | 169327 | 87.12 | ng | 98     |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

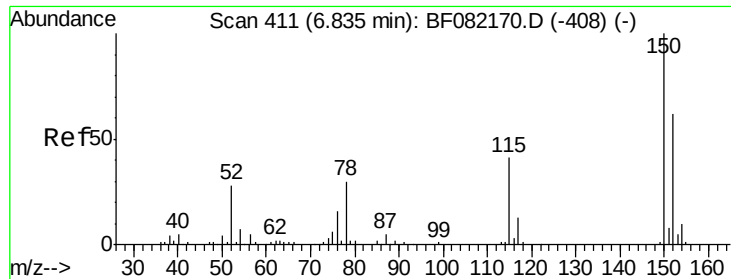
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

Quant Time: Oct 13 06:29:37 2015  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.12  | 196  | 128388   | 50.80  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.15  | 196  | 147761   | 53.97  | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 9.30  | 154  | 548264   | 56.20  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.33  | 162  | 421629   | 54.90  | nq    | 95       |
| 47) 2-Nitroaniline             | 9.43  | 65   | 128420   | 60.91  | nq    | 89       |
| 48) Acenaphthylene             | 9.74  | 152  | 628133   | 52.51  | nq    | 100      |
| 49) Dimethylphthalate          | 9.61  | 163  | 527801   | 58.59  | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.67  | 165  | 103251   | 54.32  | nq    | # 74     |
| 51) Acenaphthene               | 9.91  | 154  | 378526   | 52.71  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.84  | 138  | 71843    | 33.46  | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 9.95  | 184  | 115473   | 106.42 | nq    | 89       |
| 54) Dibenzofuran               | 10.08 | 168  | 563049   | 57.11  | nq    | 96       |
| 55) 4-Nitrophenol              | 10.01 | 139  | 45884    | 38.77  | nq    | 95       |
| 56) 2,4-Dinitrotoluene         | 10.08 | 165  | 150988   | 63.56  | nq    | 89       |
| 57) Fluorene                   | 10.42 | 166  | 441375   | 54.50  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.21 | 232  | 133643   | 59.75  | nq    | 92       |
| 59) Diethylphthalate           | 10.31 | 149  | 501759   | 59.76  | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204  | 223350   | 60.21  | nq    | # 85     |
| 61) 4-Nitroaniline             | 10.46 | 138  | 110723   | 53.17  | nq    | 95       |
| 62) Azobenzene                 | 10.58 | 77   | 479529   | 58.35  | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198  | 72505    | 50.44  | nq    | # 63     |
| 65) n-Nitrosodiphenylamine     | 10.54 | 169  | 315203   | 41.10  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.91 | 248  | 140448   | 54.79  | nq    | # 84     |
| 67) Hexachlorobenzene          | 10.97 | 284  | 147195   | 53.10  | nq    | # 77     |
| 68) Atrazine                   | 11.07 | 200  | 150028   | 61.75  | nq    | 98       |
| 69) Pentachlorophenol          | 11.18 | 266  | 157445   | 110.37 | nq    | 97       |
| 70) Phenanthrene               | 11.39 | 178  | 730087   | 58.15  | nq    | 100      |
| 71) Anthracene                 | 11.44 | 178  | 728232   | 56.29  | nq    | 99       |
| 72) Carbazole                  | 11.60 | 167  | 657504   | 55.71  | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 809620   | 55.61  | nq    | 99       |
| 74) Fluoranthene               | 12.58 | 202  | 802030   | 59.48  | nq    | 97       |
| 76) Benzidine                  | 12.71 | 184  | 197988   | 29.87  | nq    | 98       |
| 77) Pyrene                     | 12.81 | 202  | 843888   | 62.17  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.43 | 149  | 361654   | 58.38  | nq    | 94       |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 676343   | 56.83  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 117759   | 26.07  | nq    | # 97     |
| 82) Chrysene                   | 14.04 | 228  | 663833   | 52.94  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 464698   | 52.58  | nq    | # 97     |
| 84) Di-n-octyl phthalate       | 14.60 | 149  | 736156   | 48.50  | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.86 | 276  | 599639   | 60.16  | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.06 | 252  | 1197264  | 102.90 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 15.06 | 252  | 1199271  | 122.62 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.38 | 252  | 546102   | 54.61  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 495981   | 60.52  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.28 | 276  | 507220   | 63.71  | nq    | 99       |
| -----                          |       |      |          |        |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

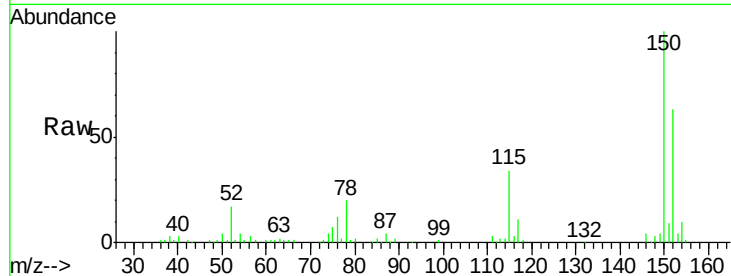
Tot Ion:152 Resp: 65075

Ion Ratio Lower Upper

152 100

150 158.3 129.0 193.4

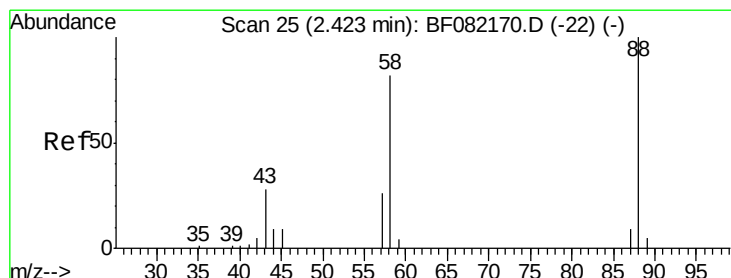
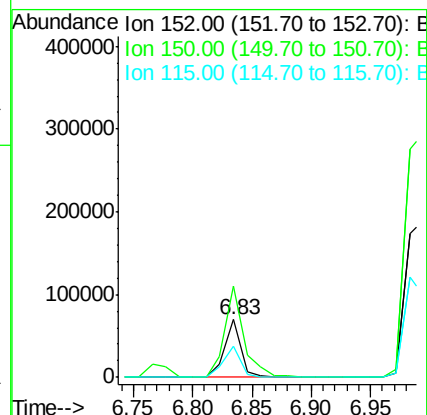
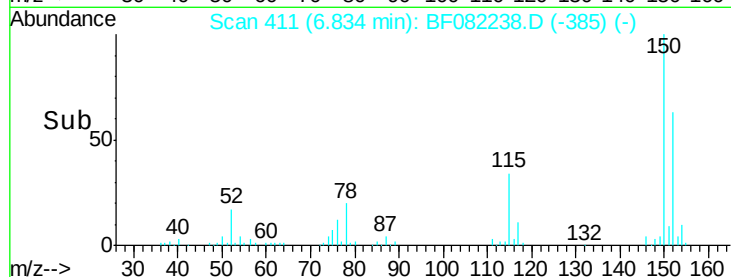
115 54.0 52.1 78.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 19.02 ng

RT: 2.42 min Scan# 25

Delta R.T. 0.06 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

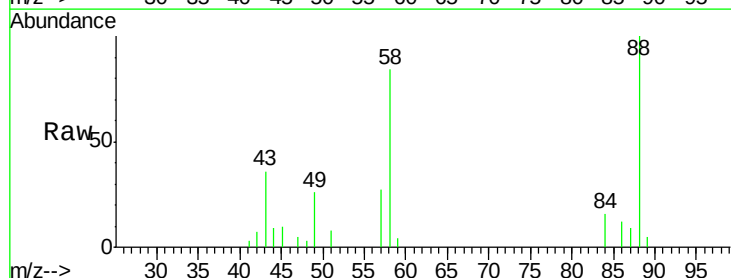
Tgt Ion: 88 Resp: 30806

Ion Ratio Lower Upper

88 100

58 81.1 66.2 99.4

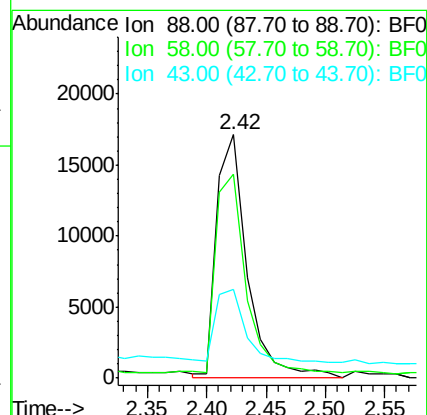
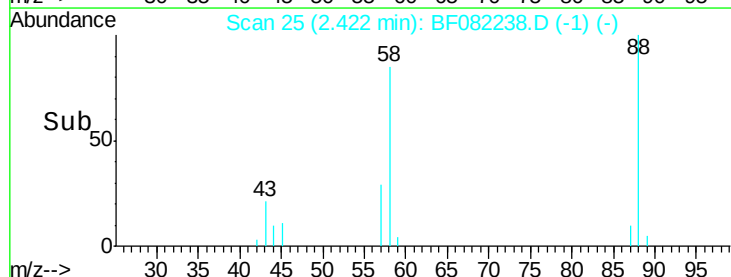
43 29.6 23.0 34.4

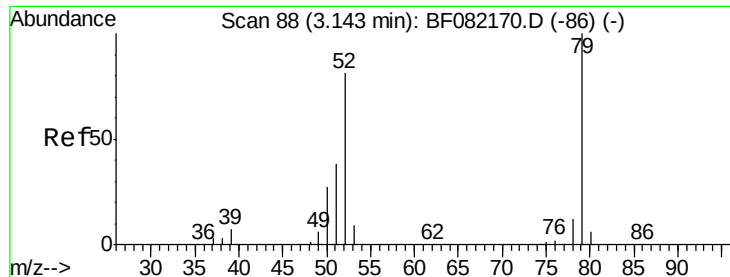


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 16.59 ng

RT: 3.15 min Scan# 89

Delta R.T. 0.07 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

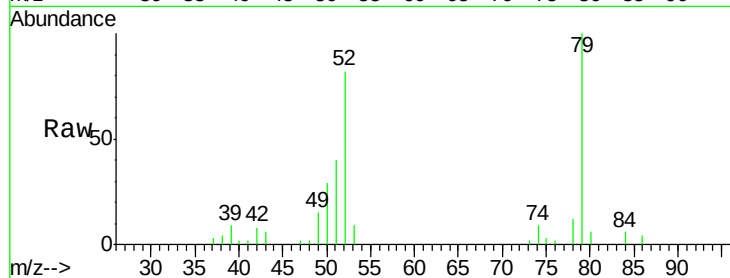
Tot Ion: 79 Resp: 62514

Ion Ratio Lower Upper

79 100

52 81.6 64.4 96.6

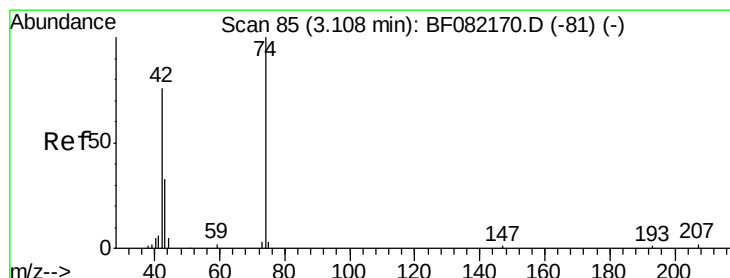
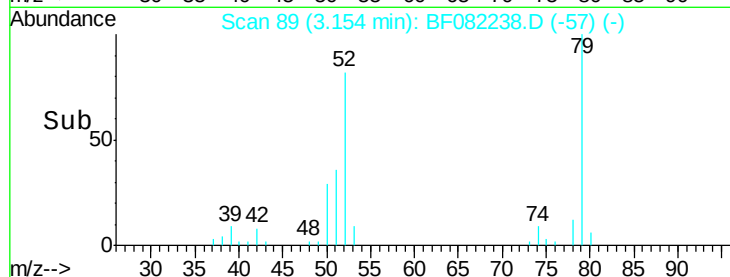
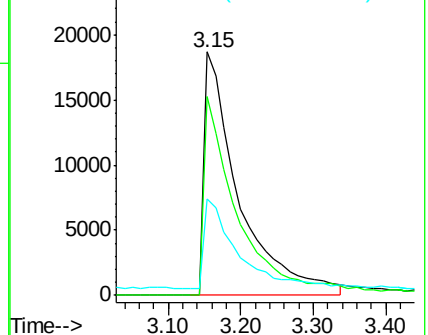
51 39.8 30.5 45.7



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: 17.94 ng

RT: 3.10 min Scan# 84

Delta R.T. 0.05 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

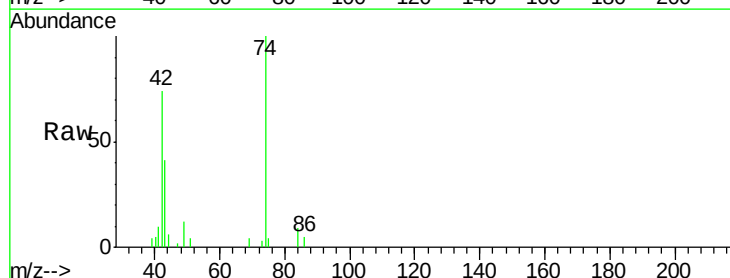
Tgt Ion: 42 Resp: 28668

Ion Ratio Lower Upper

42 100

74 135.7 105.7 158.5

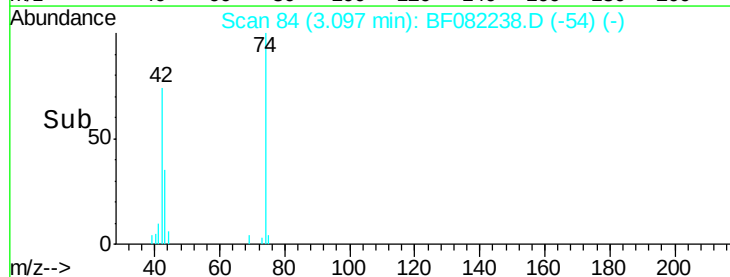
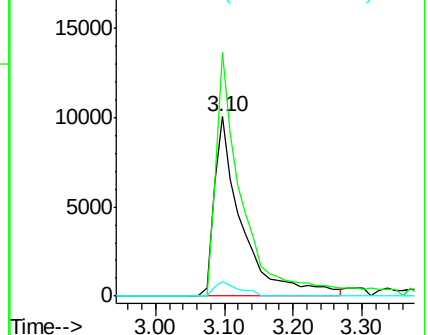
44 8.3 5.4 8.2#

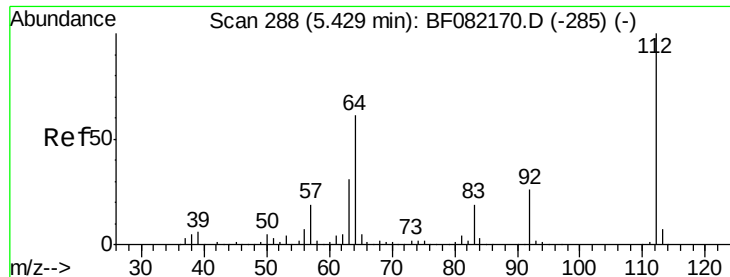


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 69.15 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

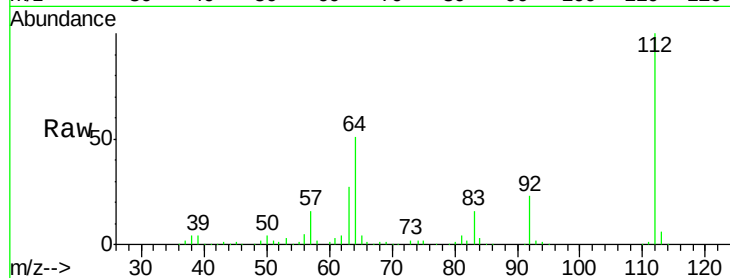
Tot Ion:112 Resp: 222969

Ion Ratio Lower Upper

112 100

64 51.4 48.6 73.0

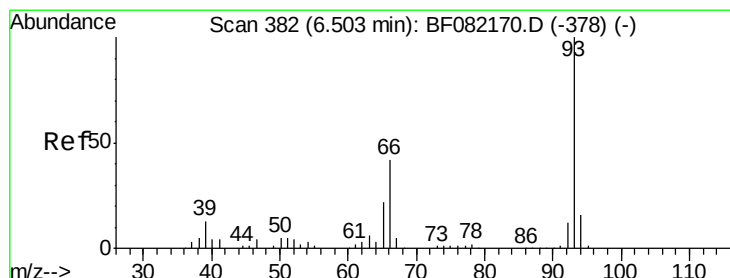
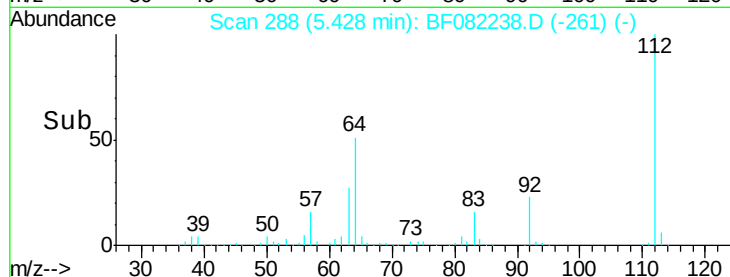
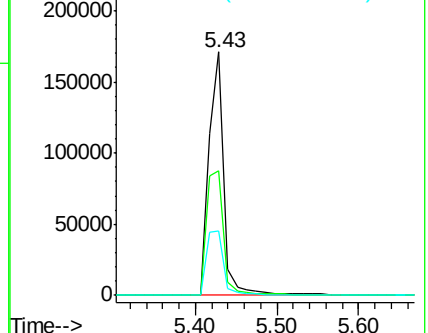
63 26.6 25.1 37.7



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: 27.15 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

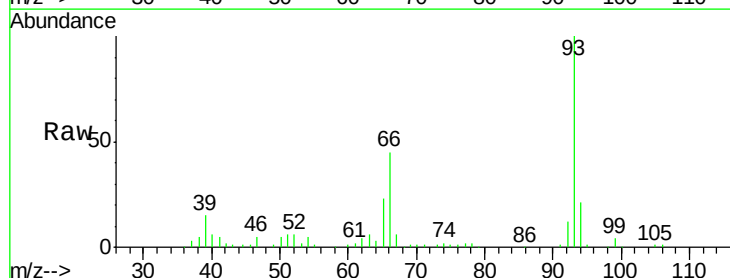
Tgt Ion: 93 Resp: 146893

Ion Ratio Lower Upper

93 100

66 45.4 34.2 51.2

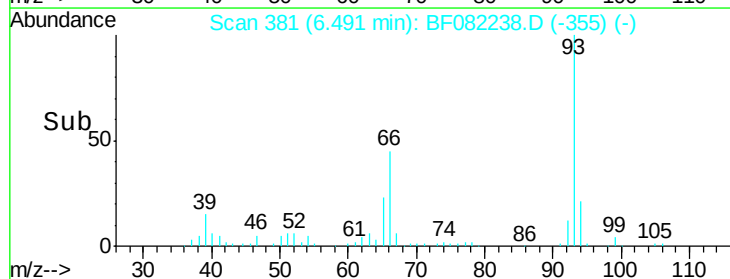
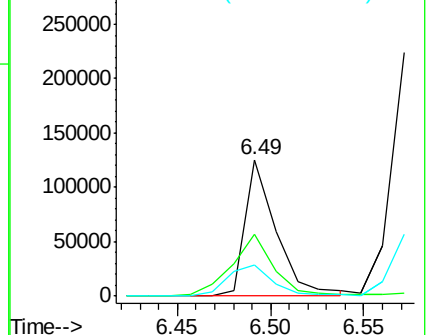
65 23.1 17.9 26.9

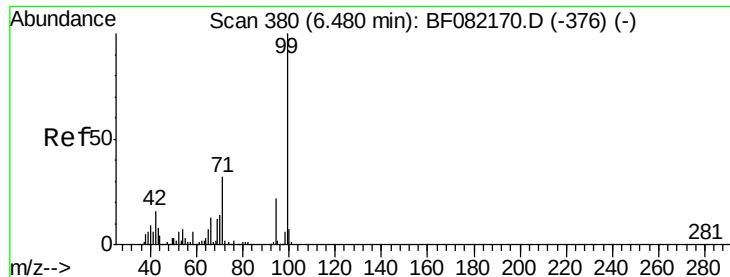


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 44.83 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

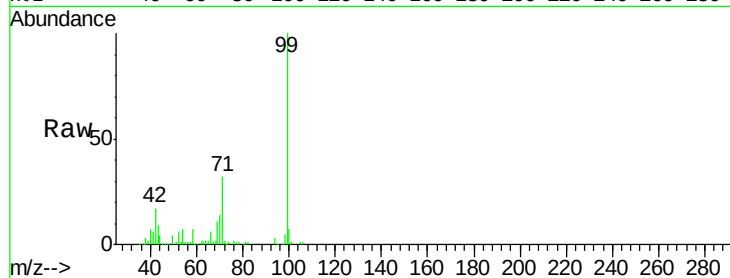
Tot Ion: 99 Resp: 188109

Ion Ratio Lower Upper

99 100

42 16.6 13.2 19.8

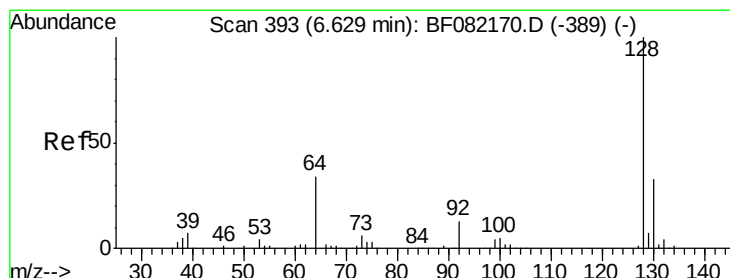
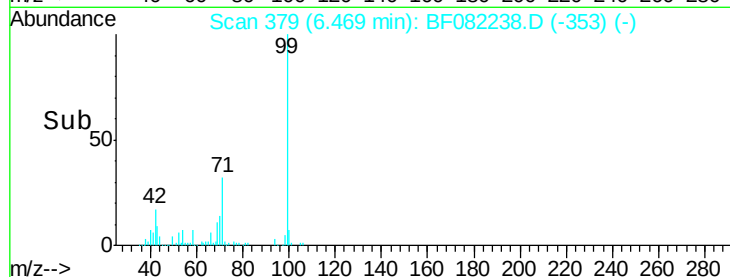
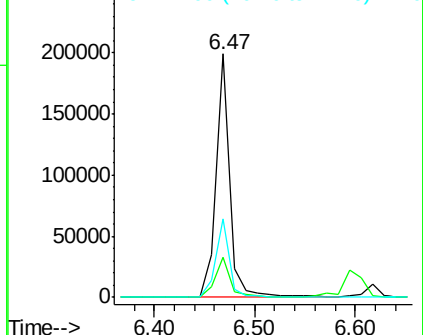
71 32.3 25.6 38.4



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: 44.36 ng

RT: 6.62 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

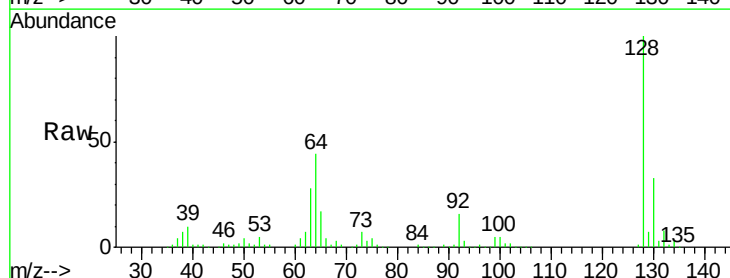
Tgt Ion: 128 Resp: 174597

Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

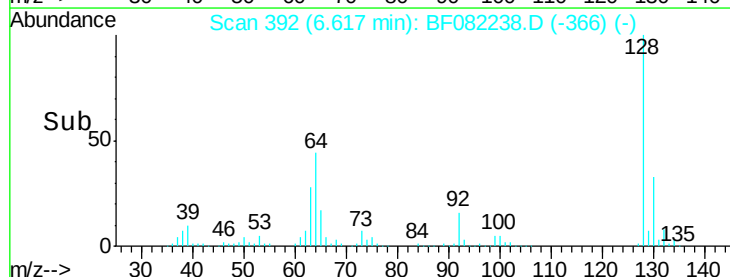
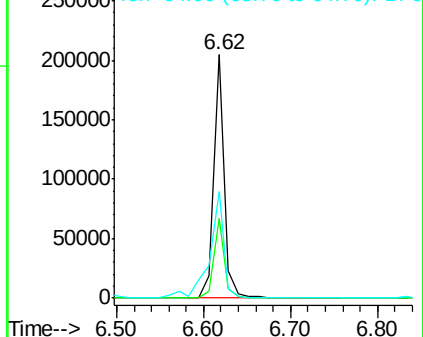
64 43.9 16.7 56.7

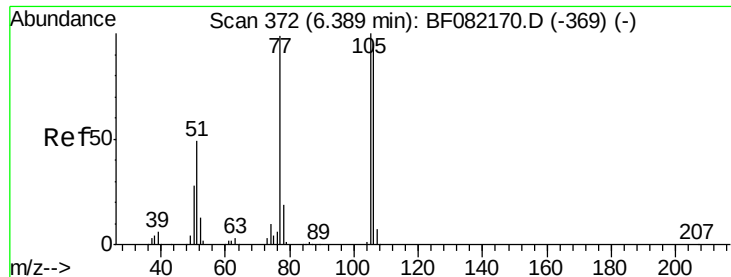


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 55.01 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

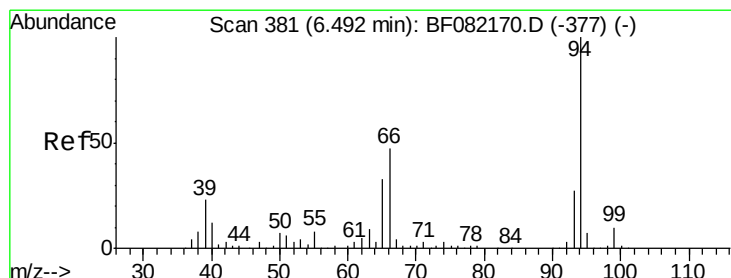
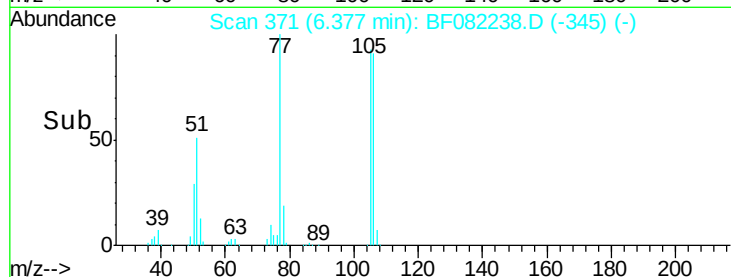
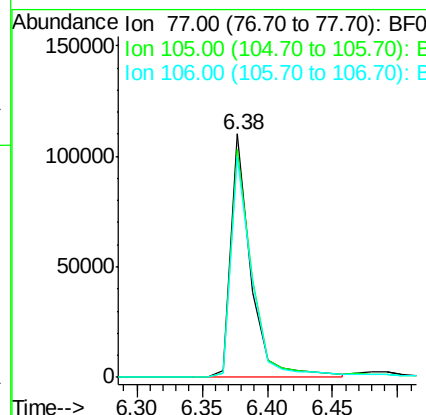
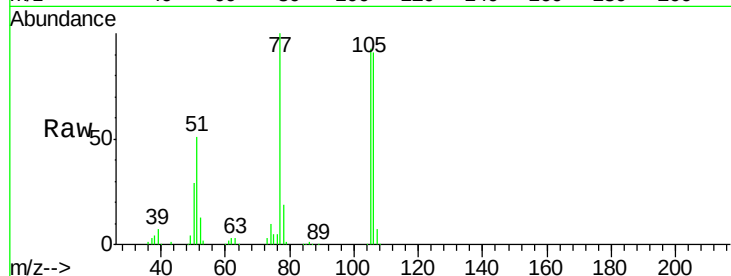
Tot Ion: 77 Resp: 117869

Ion Ratio Lower Upper

77 100

105 93.5 80.6 120.6

106 90.7 75.5 115.5



#10

Phenol

Concen: 16.79 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

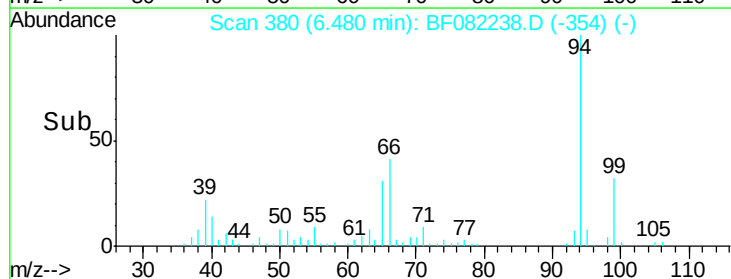
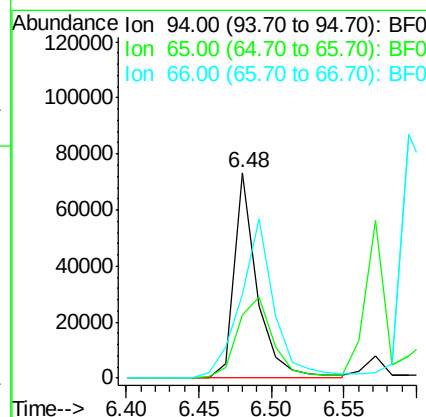
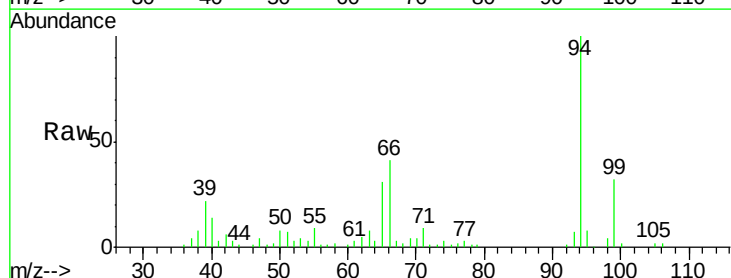
Tgt Ion: 94 Resp: 81250

Ion Ratio Lower Upper

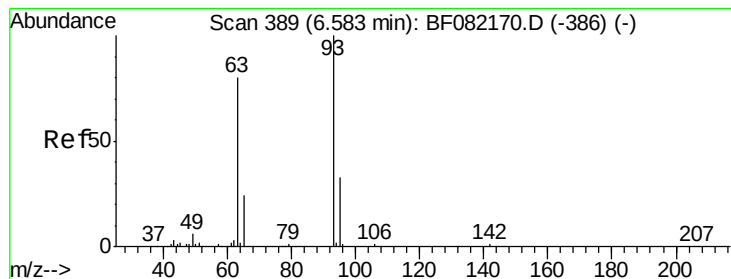
94 100

65 30.6 12.6 52.6

66 41.0 27.3 67.3







#11

bis(2-Chloroethyl)ether

Concen: 53.20 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

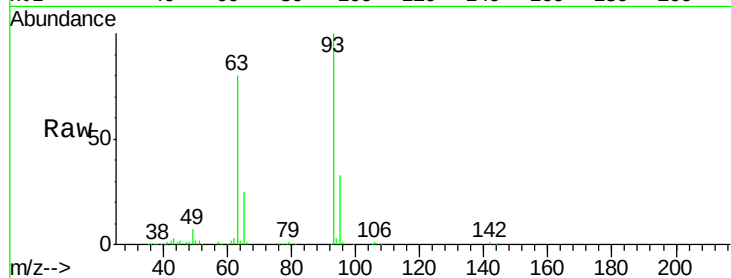
Tot Ion: 93 Resp: 217628

Ion Ratio Lower Upper

93 100

63 80.3 57.1 97.1

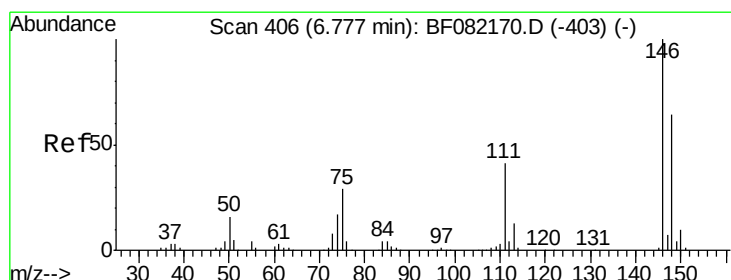
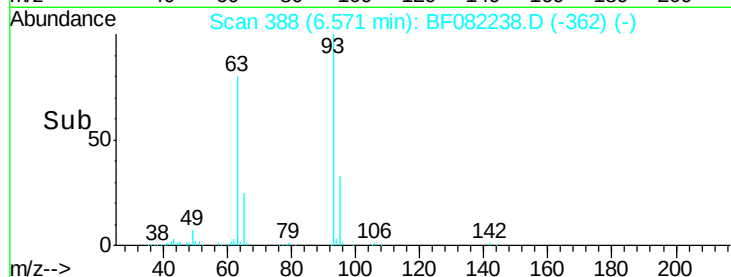
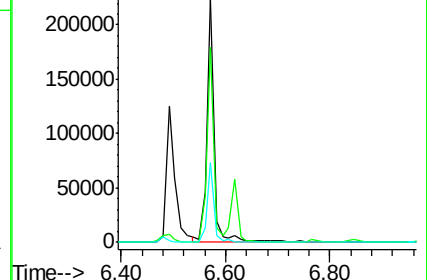
95 32.6 11.9 51.9



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 45.14 ng

RT: 6.77 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

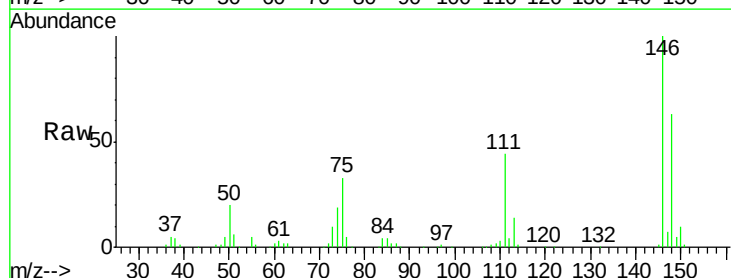
Tgt Ion: 146 Resp: 206931

Ion Ratio Lower Upper

146 100

148 62.7 51.4 77.2

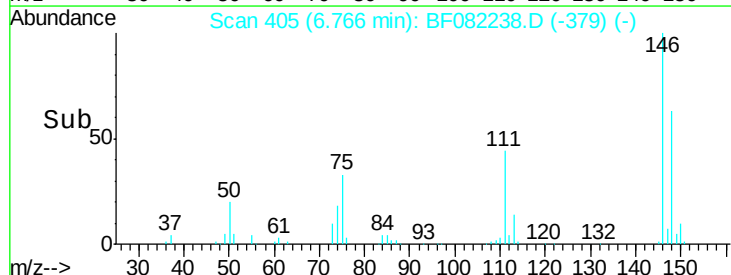
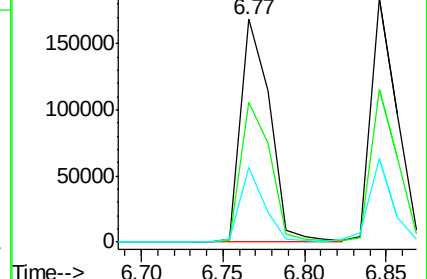
75 33.3 23.0 34.6

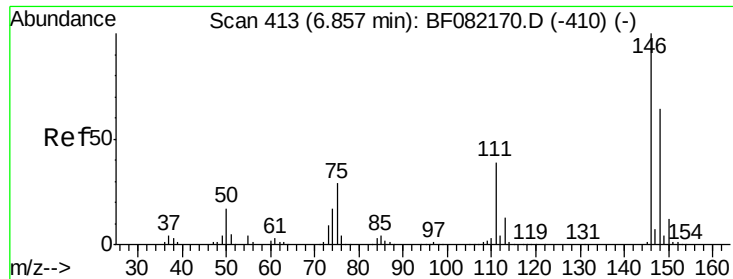


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

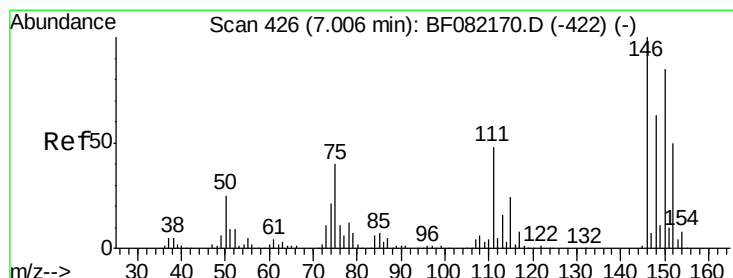
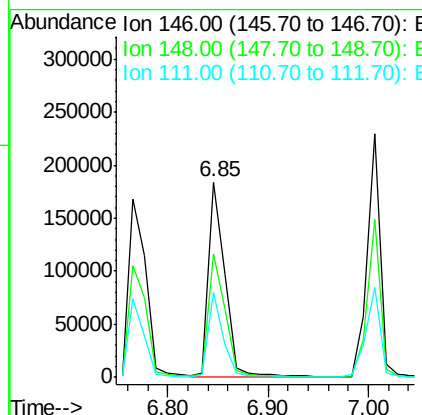
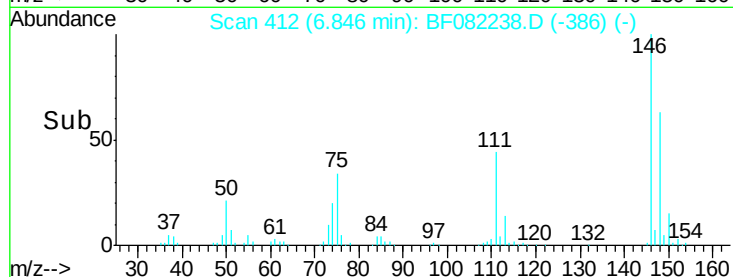
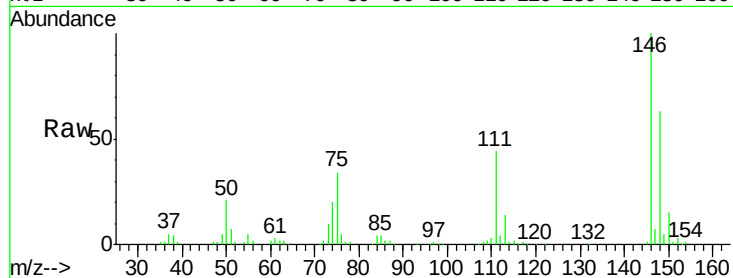




#13  
 1,4-Dichlorobenzene  
 Concen: 43.94 ng  
 RT: 6.85 min Scan# 412  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

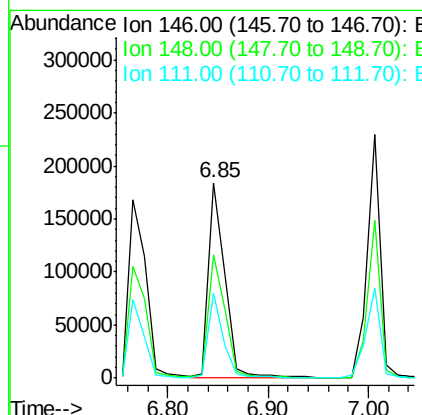
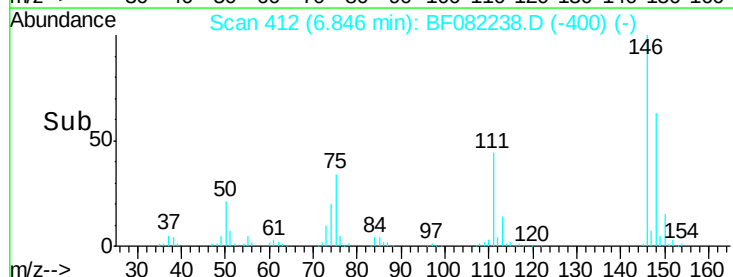
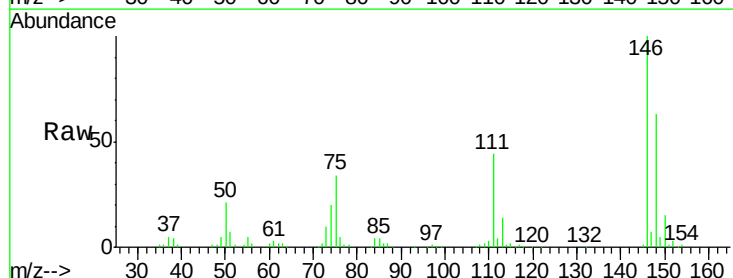
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

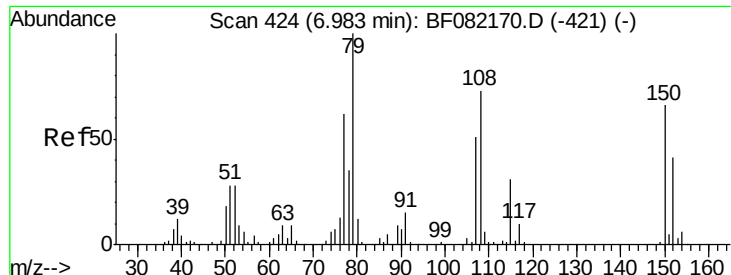
Tot Ion:146 Resp: 210375  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 51.0 76.4  
 111 43.5 31.1 46.7



#14  
 1,2-Dichlorobenzene  
 Concen: 46.82 ng  
 RT: 6.85 min Scan# 412  
 Delta R.T. -0.16 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:146 Resp: 212849  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 50.5 75.7  
 111 43.5 38.5 57.7





#15

Benzyl Alcohol

Concen: 35.16 ng

RT: 6.98 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

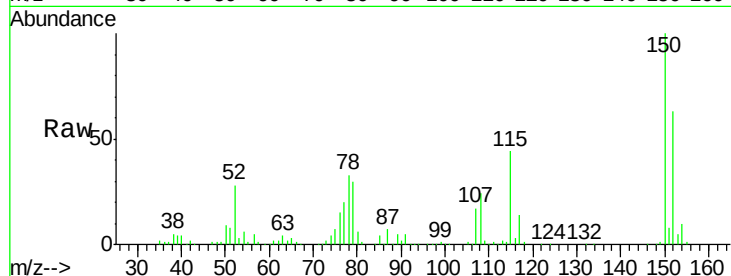
Tot Ion: 79 Resp: 101845

Ion Ratio Lower Upper

79 100

108 78.6 58.4 87.6

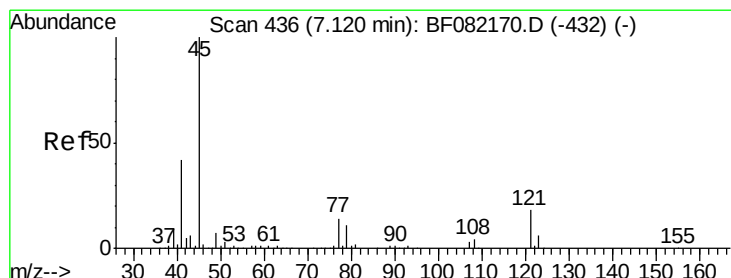
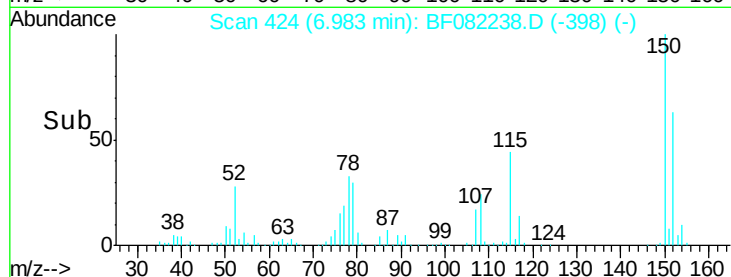
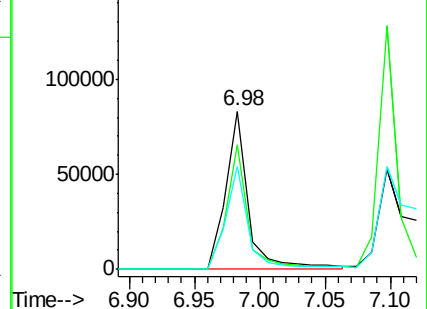
77 64.6 49.8 74.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 53.06 ng

RT: 7.12 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

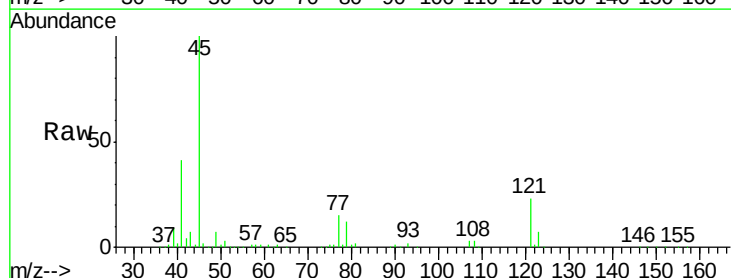
Tgt Ion: 45 Resp: 302259

Ion Ratio Lower Upper

45 100

77 15.4 0.0 34.5

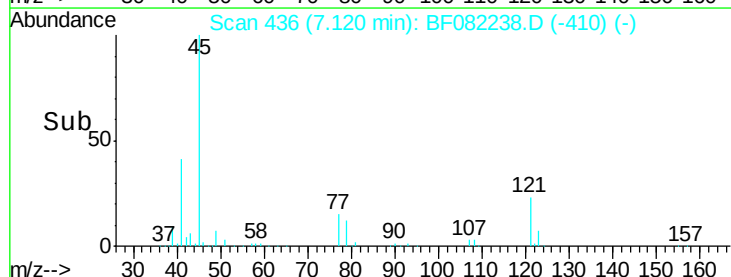
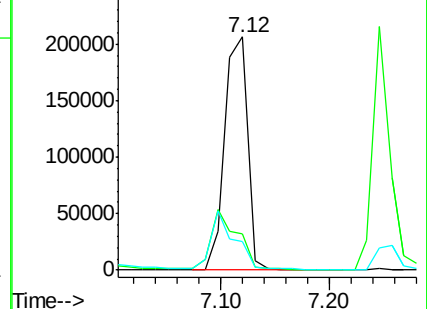
79 12.4 0.0 31.6

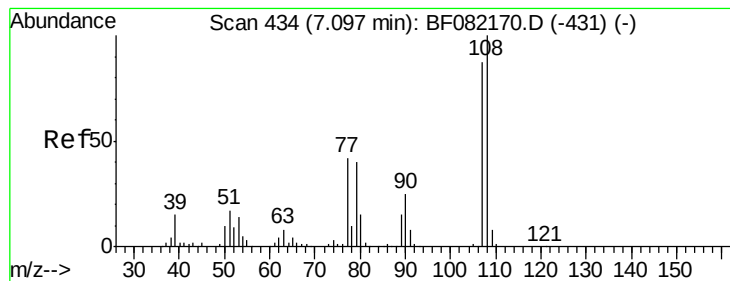


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

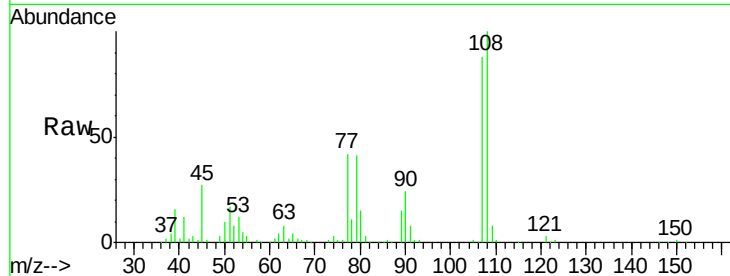




#17  
2-Methylphenol  
Concen: 35.79 ng  
RT: 7.10 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.0 | 92.2  | 138.2 |
| 77      | 47.9  | 39.6  | 59.4  |
| 79      | 46.8  | 38.2  | 57.4  |



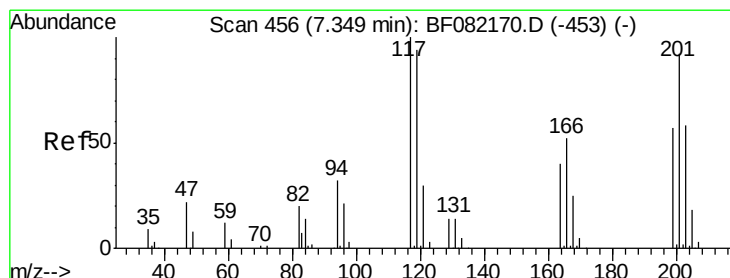
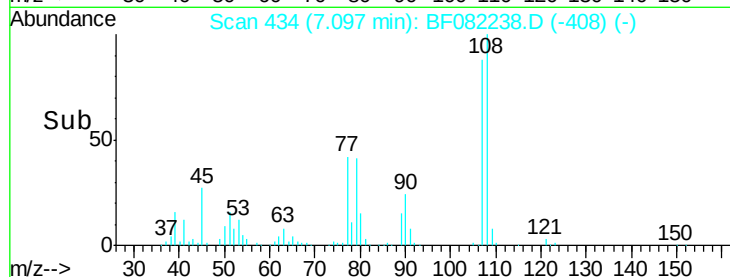
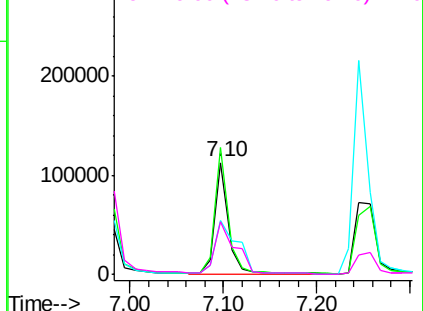
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

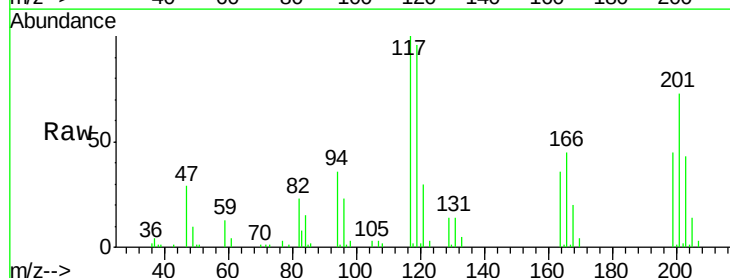
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18  
Hexachloroethane  
Concen: 41.54 ng  
RT: 7.34 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 95.6  | 75.4  | 113.2  |
| 201     | 72.6  | 73.4  | 110.0# |

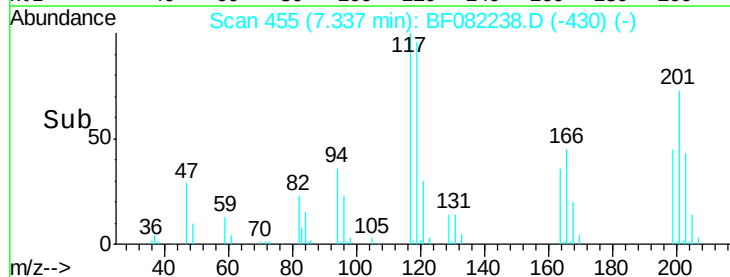
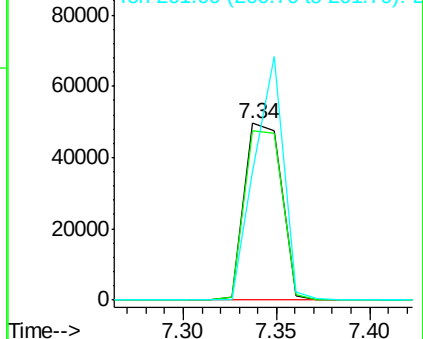


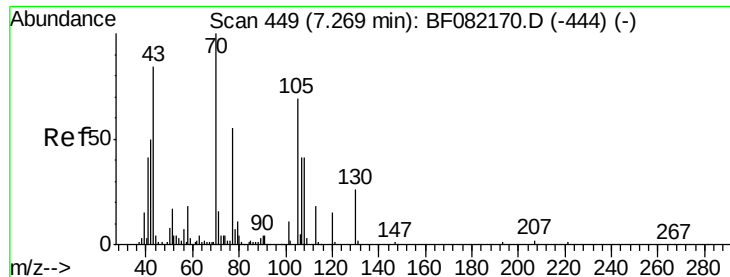
Abundance

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

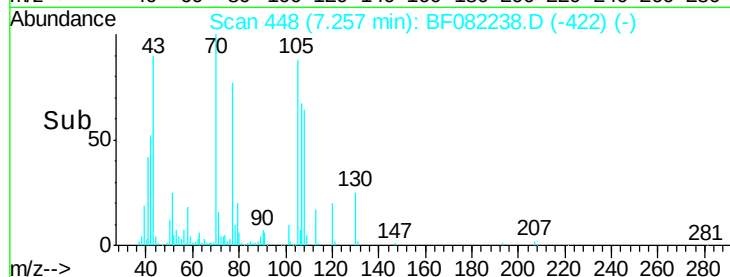
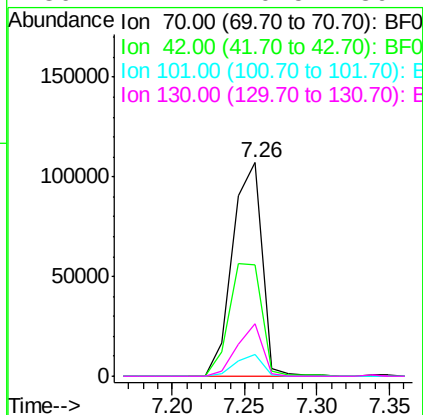
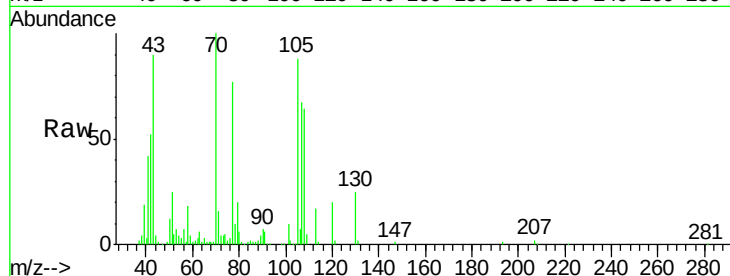




#19  
n-Nitroso-di-n-propylamine  
Concen: 51.31 ng  
RT: 7.26 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

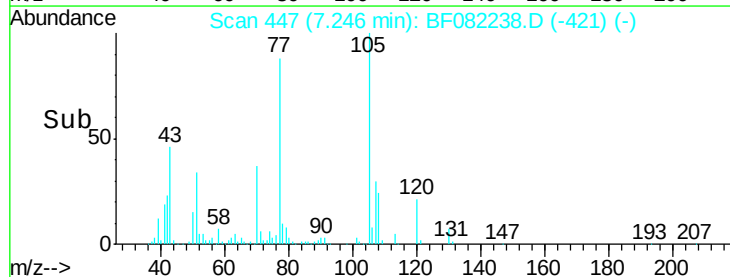
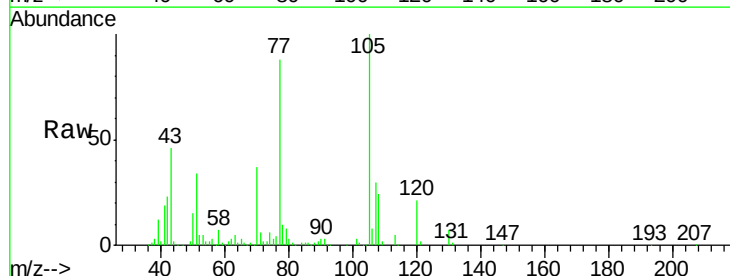
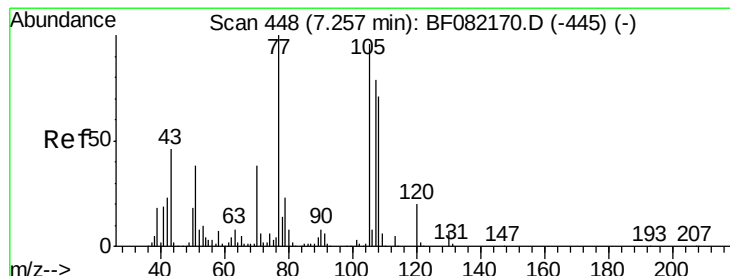
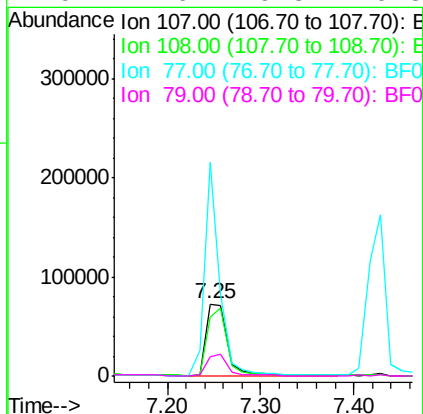
Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

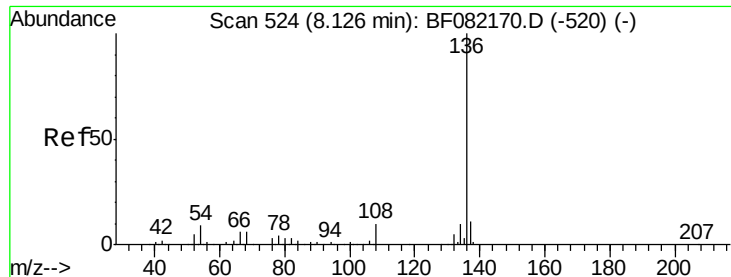
Tot Ion: 70 Resp: 151189  
Ion Ratio Lower Upper  
70 100  
42 52.4 39.8 59.8  
101 10.4 8.6 13.0  
130 24.7 20.5 30.7



#20  
3+4-Methylphenols  
Concen: 31.23 ng  
RT: 7.25 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion: 107 Resp: 115846  
Ion Ratio Lower Upper  
107 100  
108 81.5 69.9 109.9  
77 297.4 106.0 146.0#  
79 27.6 9.8 49.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

Tot Ion:136 Resp: 259983

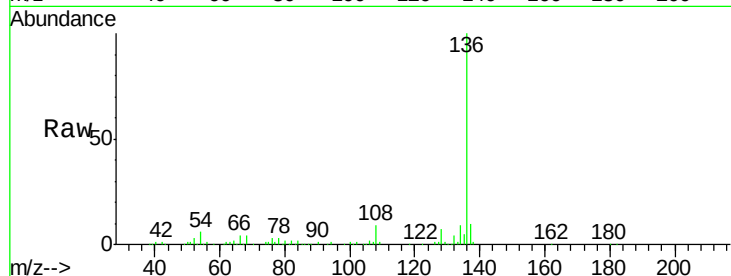
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 5.9 7.5 11.3#

68 3.9 4.6 7.0#



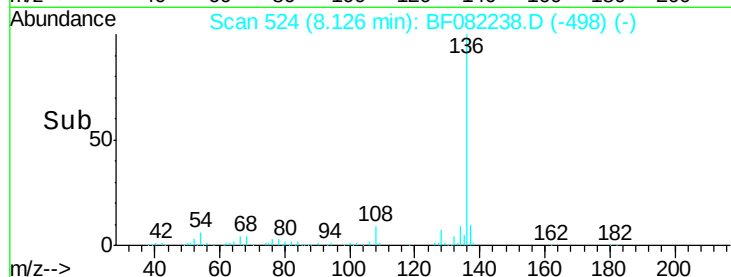
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

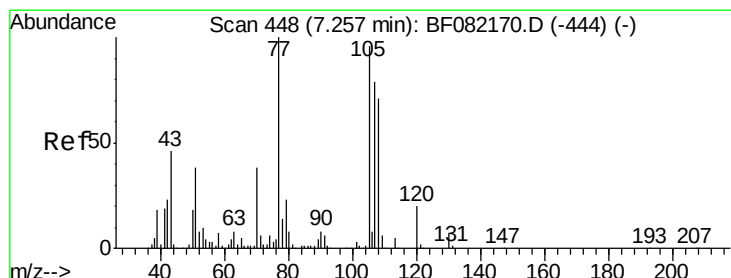
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#22

Acetophenone

Concen: 54.13 ng

RT: 7.25 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Tgt Ion:105 Resp: 278396

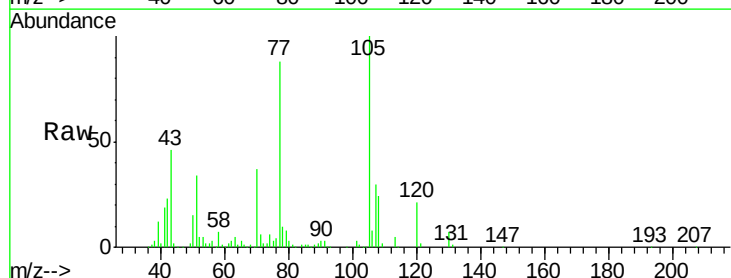
Ion Ratio Lower Upper

105 100

71 6.3 5.4 8.0

51 33.9 31.8 47.6

120 20.6 16.3 24.5



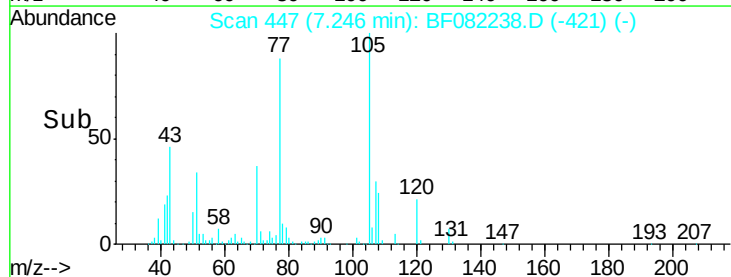
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

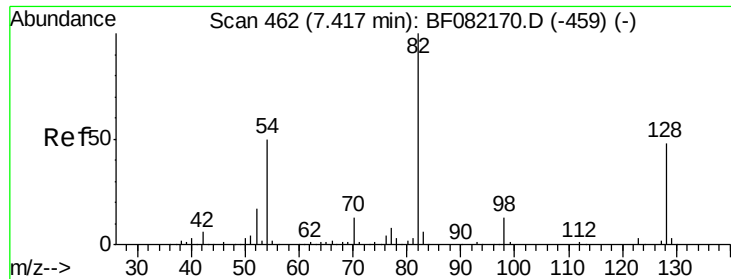
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



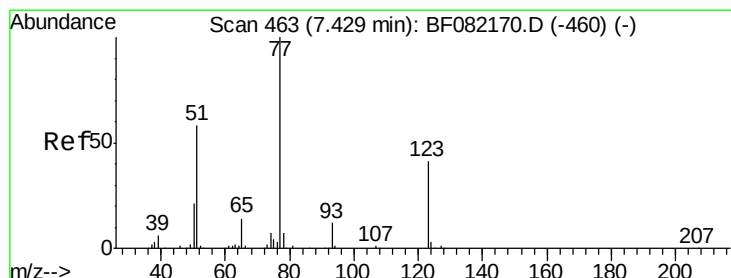
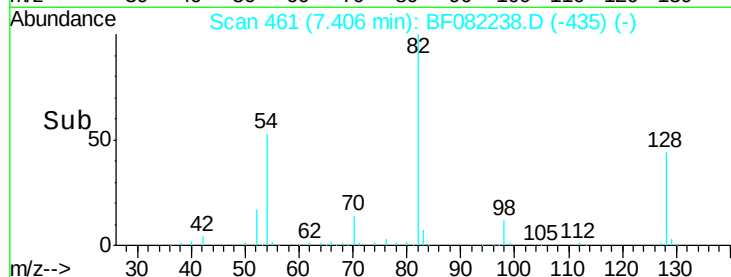
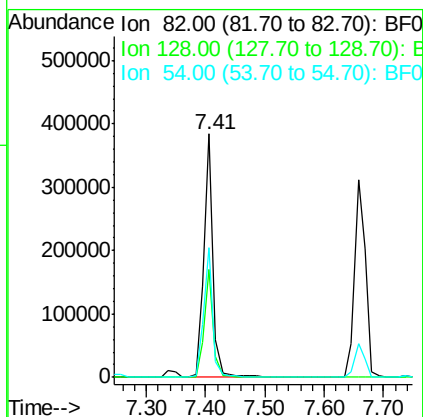
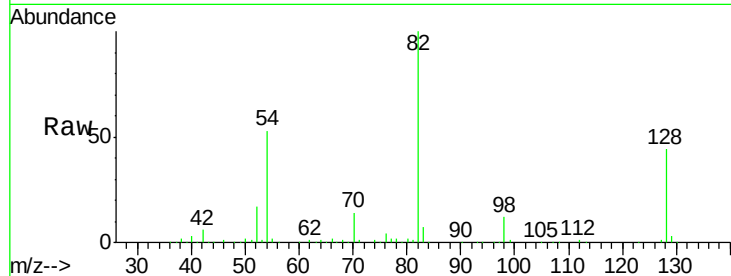
Time-->



#23  
 Nitrobenzene-d5  
 Concen: 110.82 ng  
 RT: 7.41 min Scan# 461  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

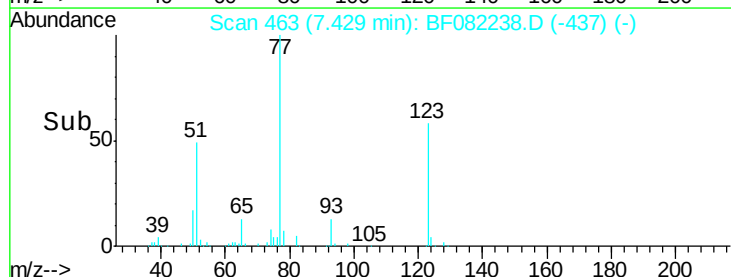
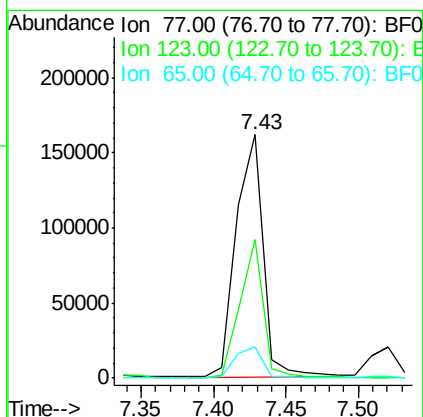
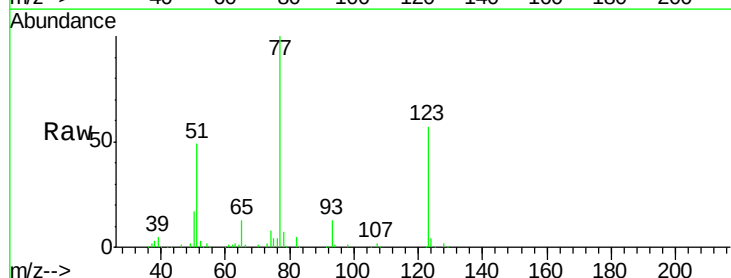
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

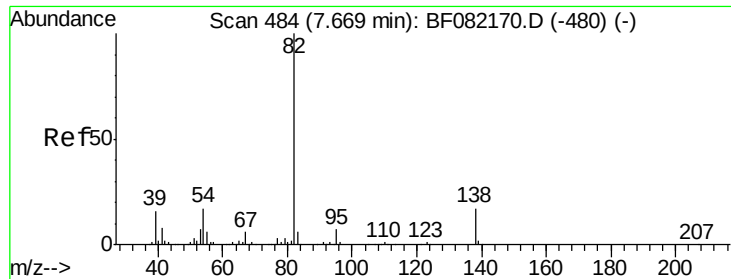
Tot Ion: 82 Resp: 429035  
 Ion Ratio Lower Upper  
 82 100  
 128 44.1 38.7 58.1  
 54 53.5 40.1 60.1



#24  
 Nitrobenzene  
 Concen: 50.23 ng  
 RT: 7.43 min Scan# 463  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion: 77 Resp: 210488  
 Ion Ratio Lower Upper  
 77 100  
 123 57.1 33.0 49.4#  
 65 13.0 11.2 16.8





#25

Isophorone

Concen: 50.84 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

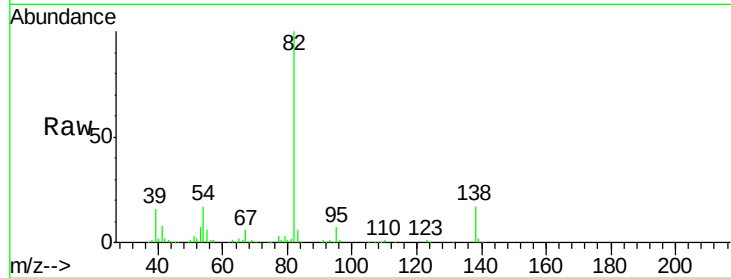
Tot Ion: 82 Resp: 397240

Ion Ratio Lower Upper

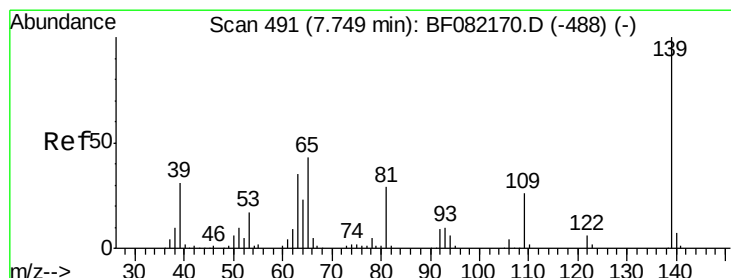
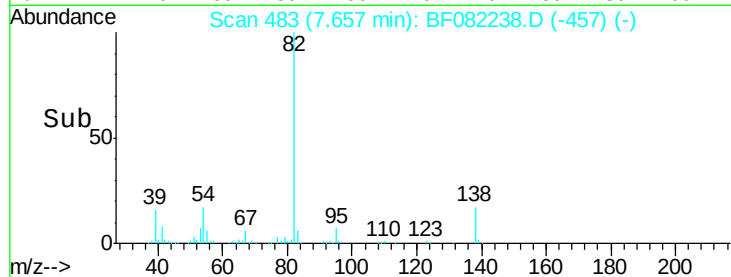
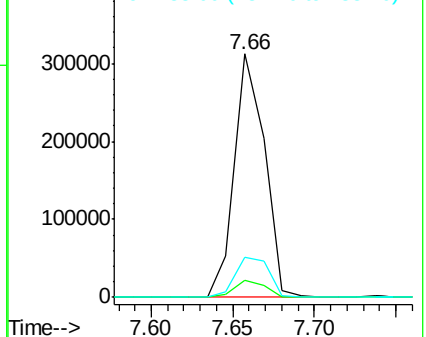
82 100

95 6.9 5.6 8.4

138 16.7 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 51.39 ng

RT: 7.74 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

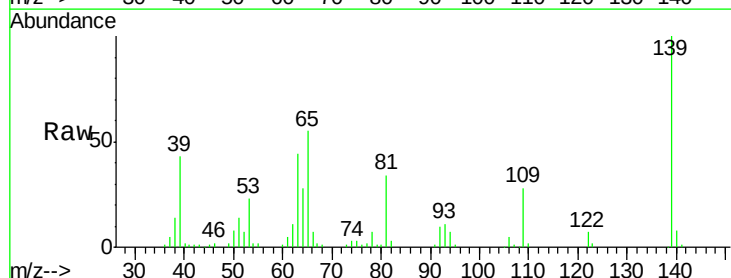
Tgt Ion: 139 Resp: 107524

Ion Ratio Lower Upper

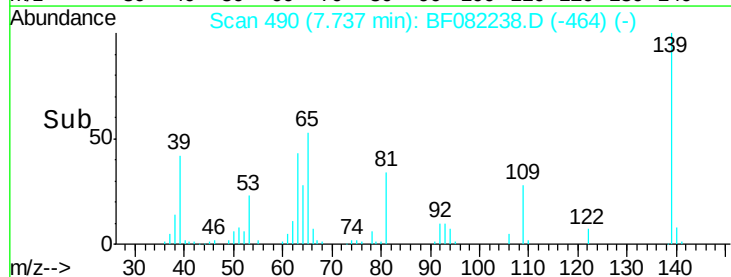
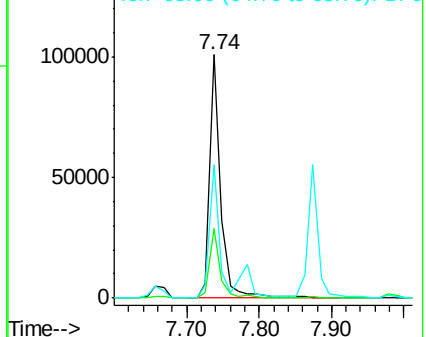
139 100

109 28.4 20.6 31.0

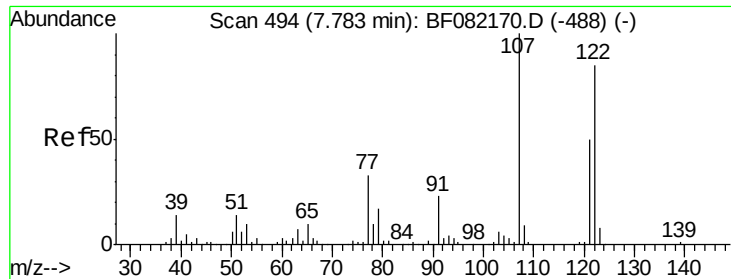
65 54.9 34.3 51.5#



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







#27

2,4-Dimethylphenol

Concen: 47.84 ng

RT: 7.78 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

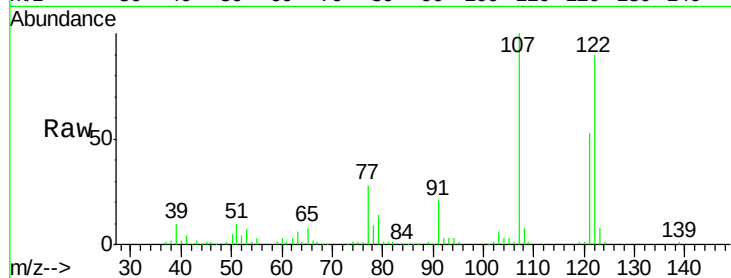
Tot Ion:122 Resp: 161276

Ion Ratio Lower Upper

122 100

107 110.8 94.0 141.0

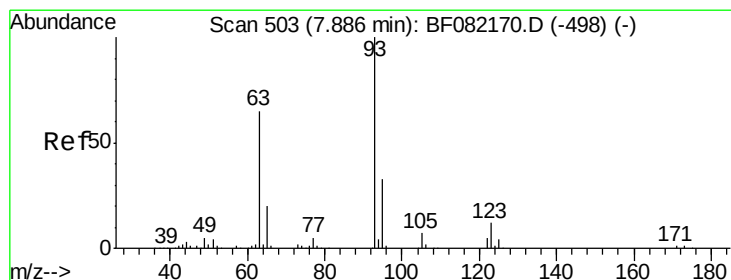
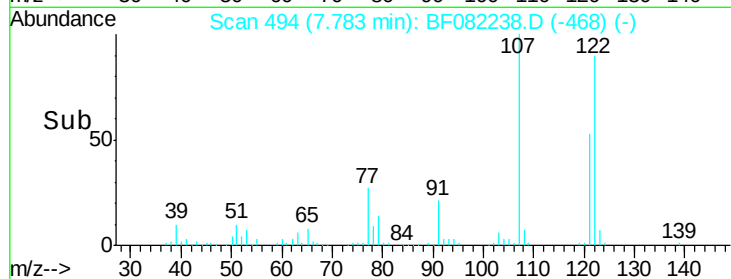
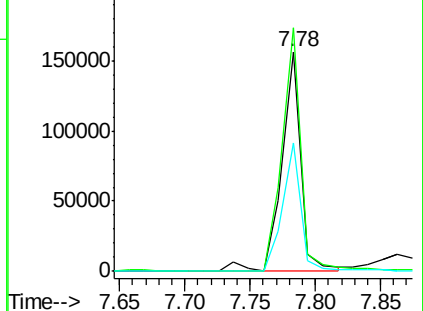
121 58.5 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 54.06 ng

RT: 7.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

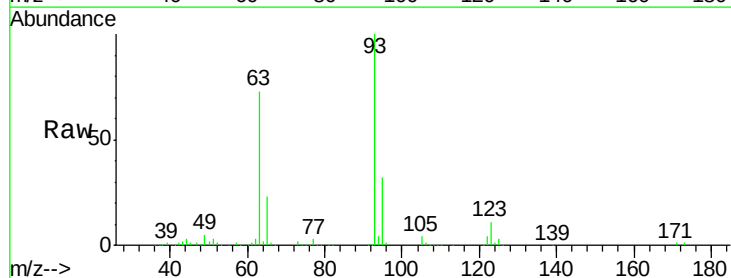
Tgt Ion: 93 Resp: 245763

Ion Ratio Lower Upper

93 100

95 32.3 26.6 39.8

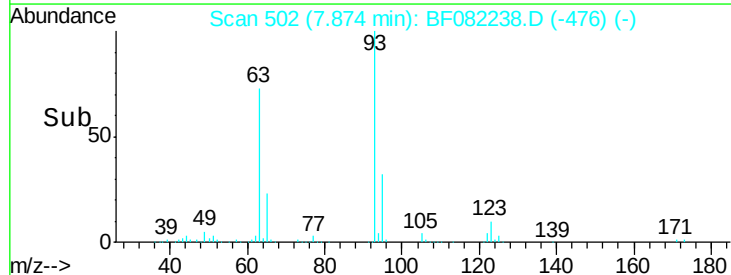
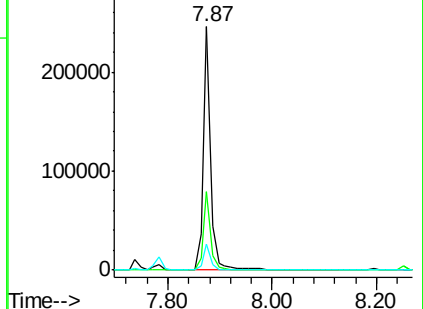
123 10.6 9.5 14.3

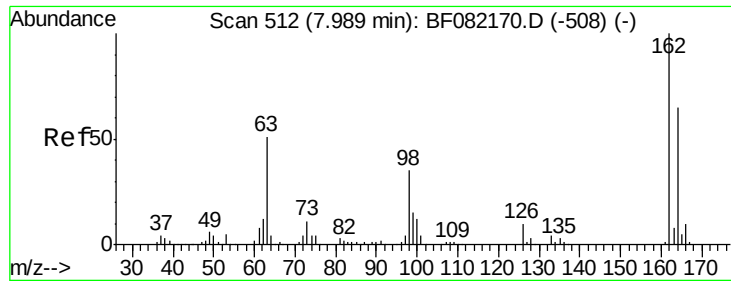


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

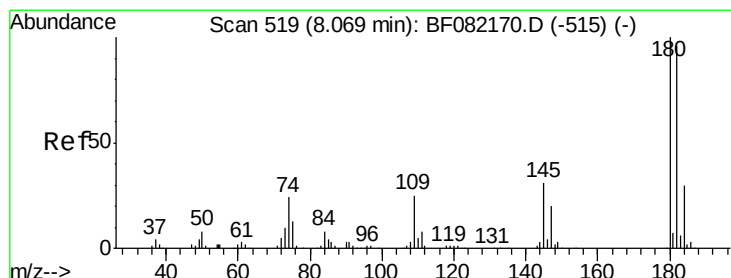
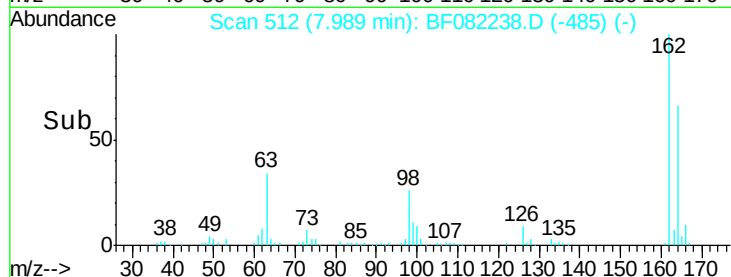
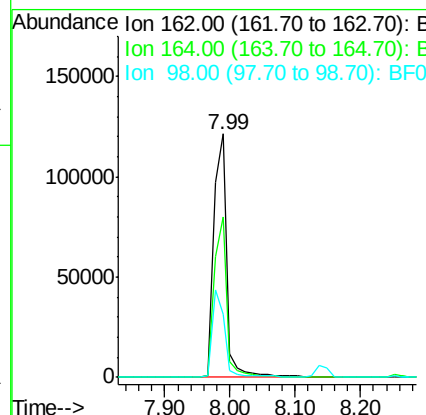
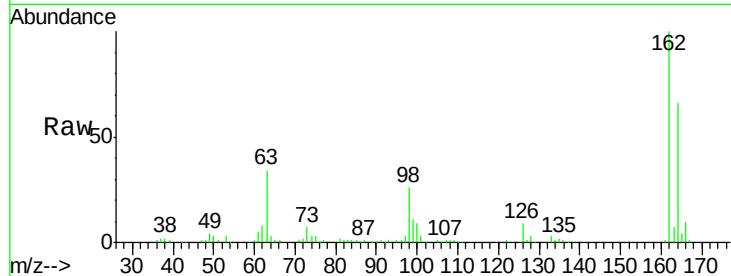




#29  
 2,4-Dichlorophenol  
 Concen: 50.69 ng  
 RT: 7.99 min Scan# 512  
 Delta R.T. 0.01 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

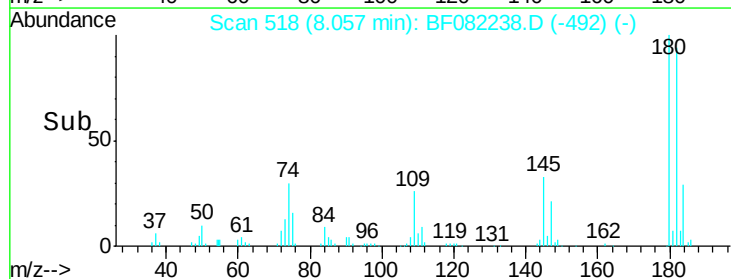
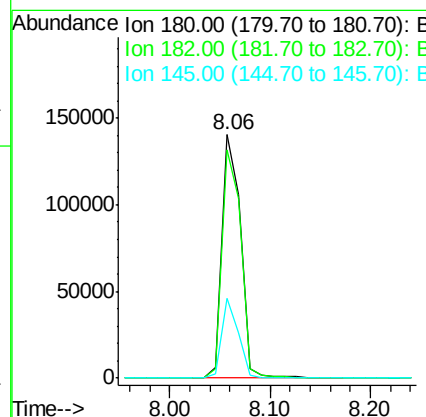
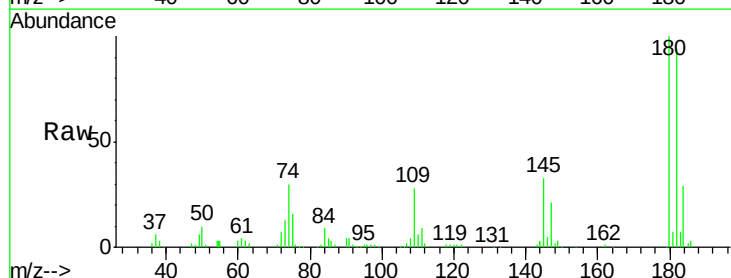
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

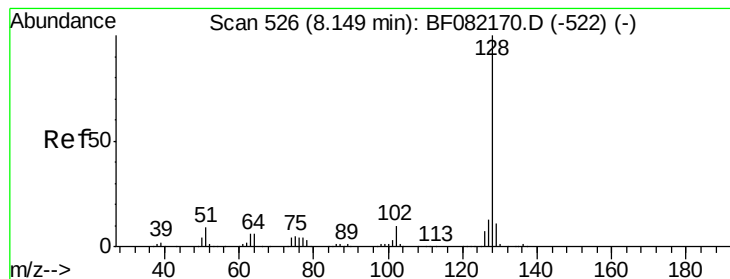
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.0  | 44.6  | 84.6  |
| 98      | 26.2  | 15.0  | 55.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.52 ng  
 RT: 8.06 min Scan# 518  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 77.0  | 115.4 |
| 145     | 32.9  | 25.0  | 37.4  |





#31

Naphthalene

Concen: 49.41 ng

RT: 8.15 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

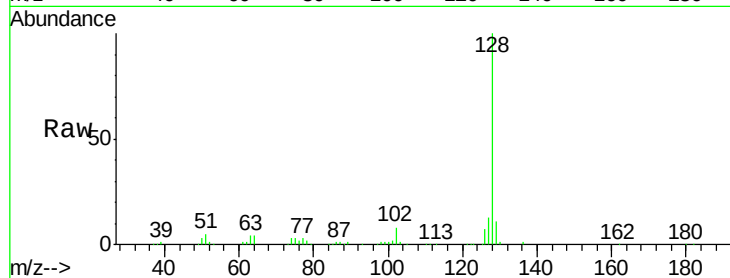
Tot Ion:128 Resp: 556812

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

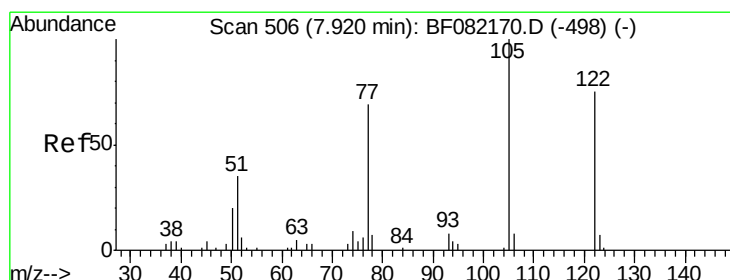
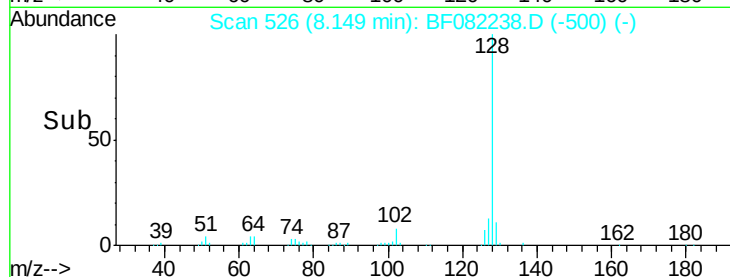
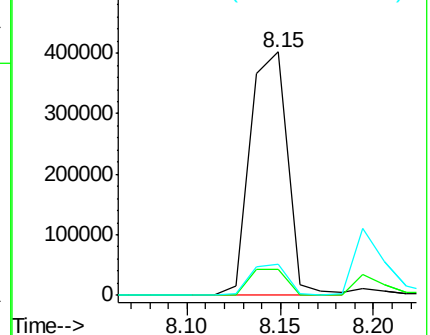
127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.92 ng

RT: 7.86 min Scan# 501

Delta R.T. -0.03 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

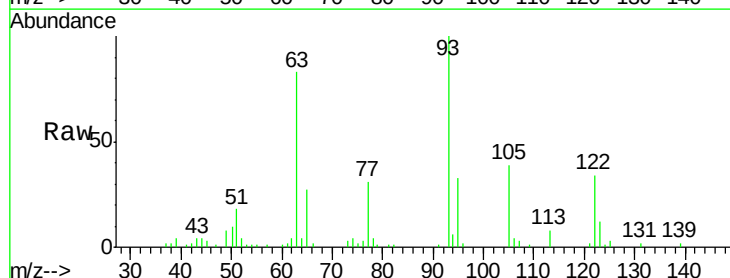
Tgt Ion:122 Resp: 33755

Ion Ratio Lower Upper

122 100

105 115.7 104.4 144.4

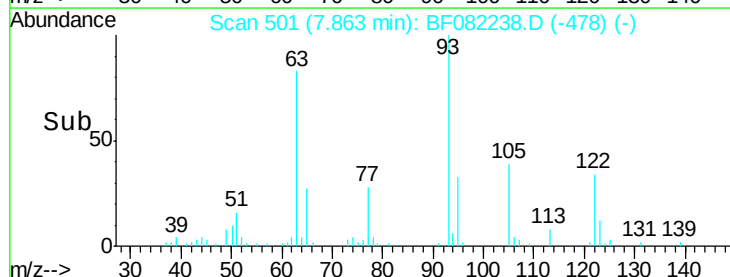
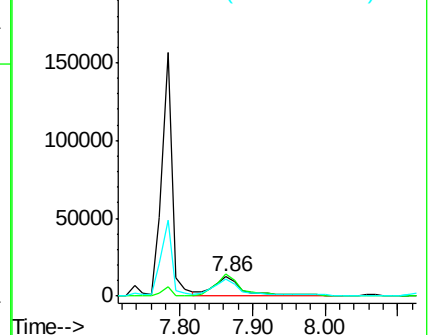
77 91.6 69.0 109.0

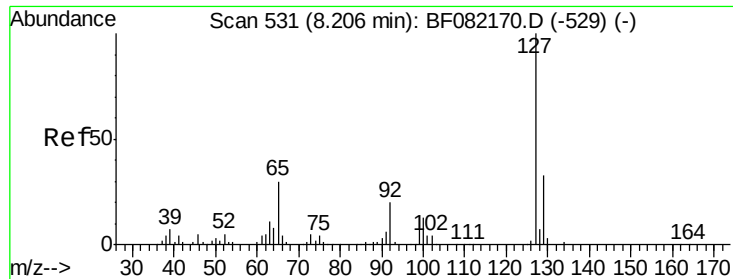


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

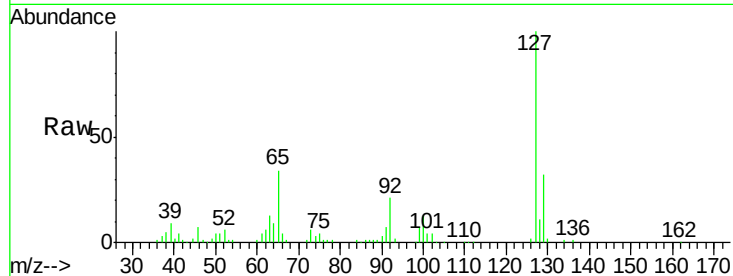




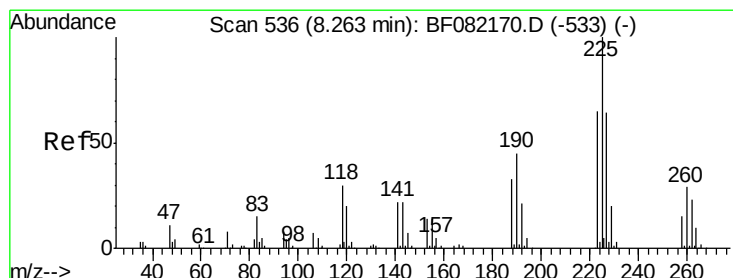
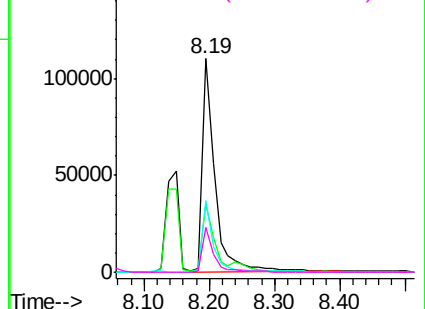
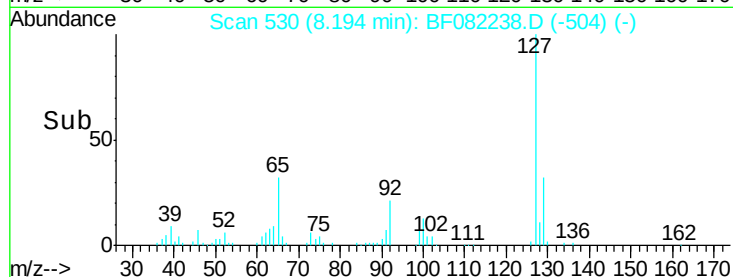
#33  
4-Chloroaniline  
Concen: 31.39 ng  
RT: 8.19 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 146924 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.0  | 26.3  | 39.5   |
| 65       | 33.6  | 24.4  | 36.6   |
| 92       | 20.9  | 15.7  | 23.5   |

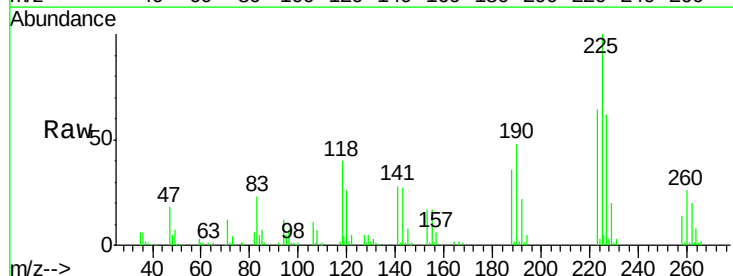


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

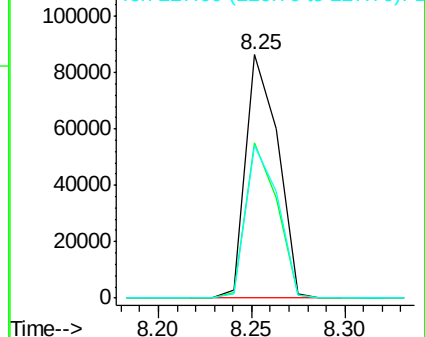
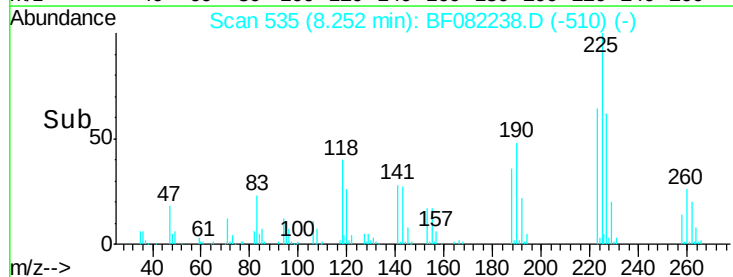


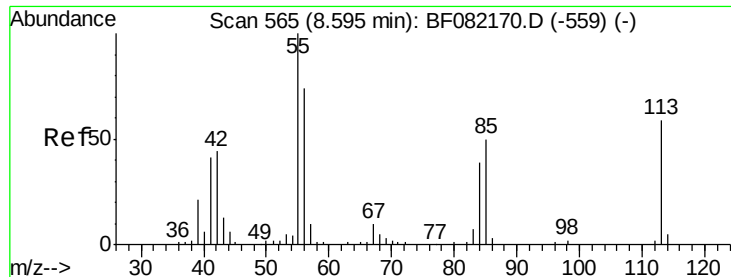
#34  
Hexachlorobutadiene  
Concen: 42.69 ng  
RT: 8.25 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 103313 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.8  | 52.2  | 78.2   |
| 227      | 62.5  | 51.3  | 76.9   |



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





#35

Caprolactam

Concen: 7.59 ng

RT: 8.57 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

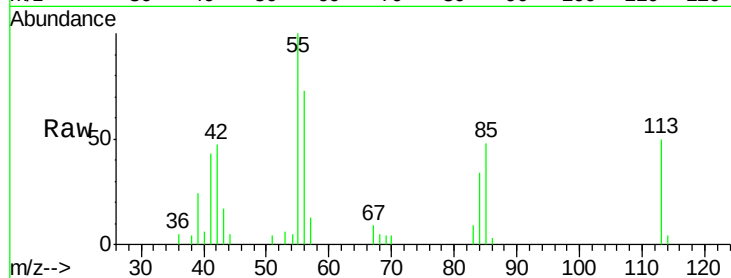
Tot Ion:113 Resp: 7428

Ion Ratio Lower Upper

113 100

55 199.1 149.7 189.7#

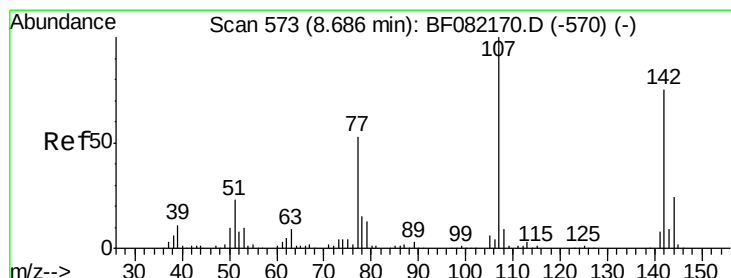
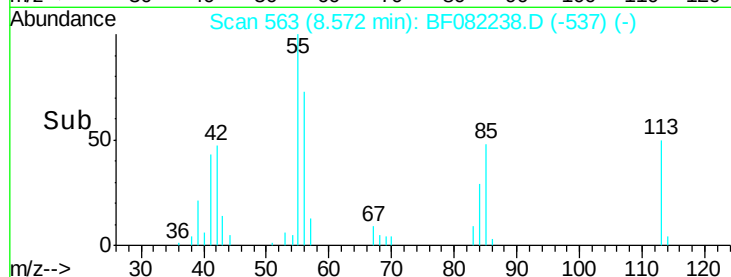
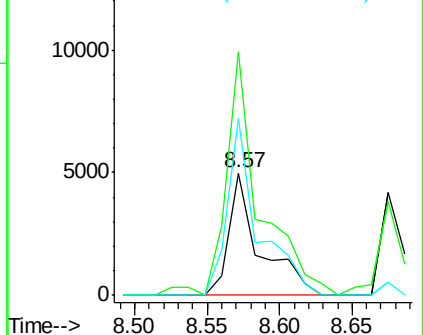
56 144.8 105.4 145.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 47.80 ng

RT: 8.67 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

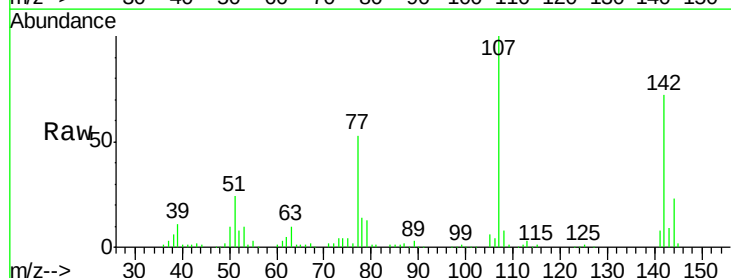
Tgt Ion:107 Resp: 157512

Ion Ratio Lower Upper

107 100

144 23.4 19.3 28.9

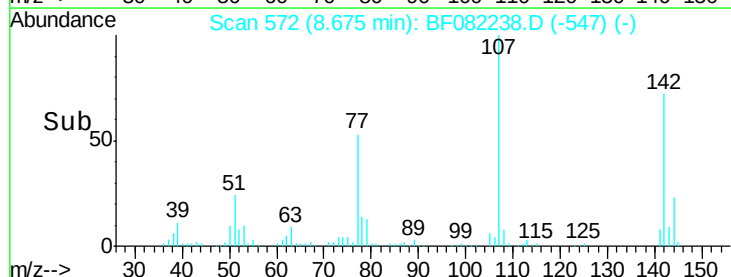
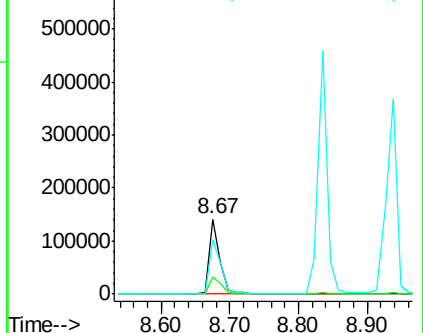
142 72.2 59.9 89.9

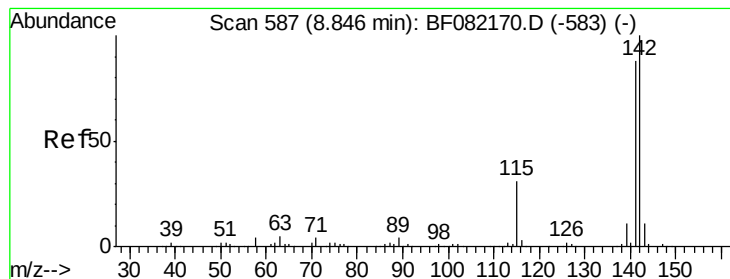


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

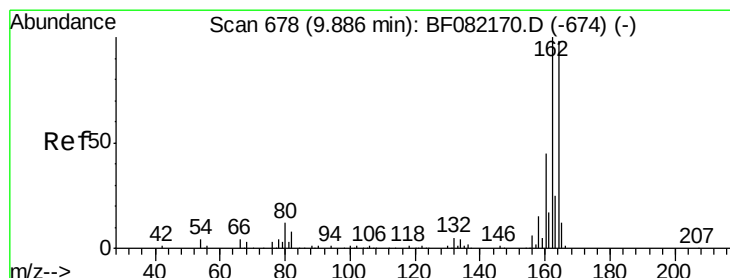
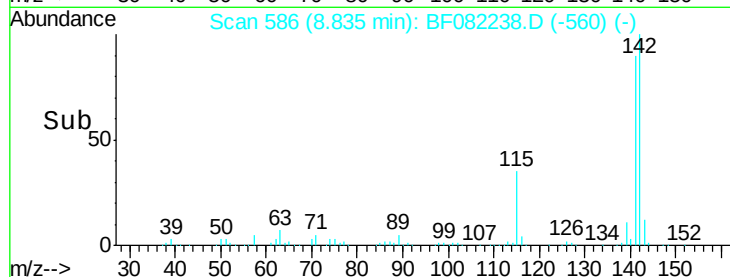
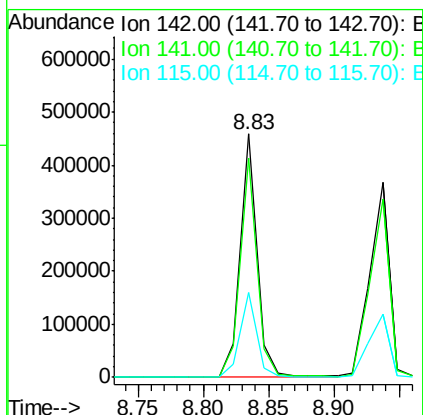
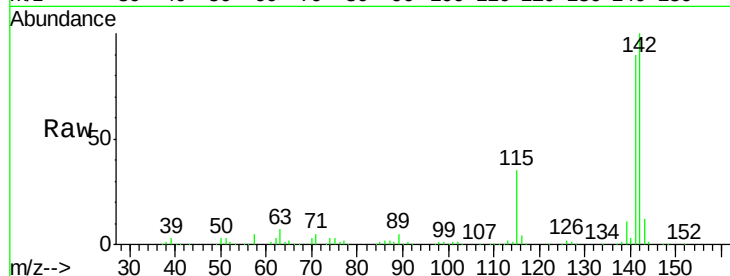




#37  
 2-Methylnaphthalene  
 Concen: 52.82 ng  
 RT: 8.83 min Scan# 586  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

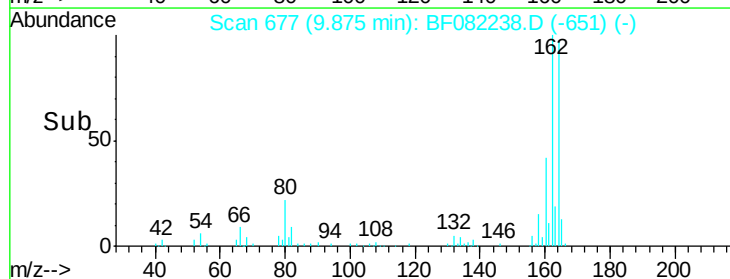
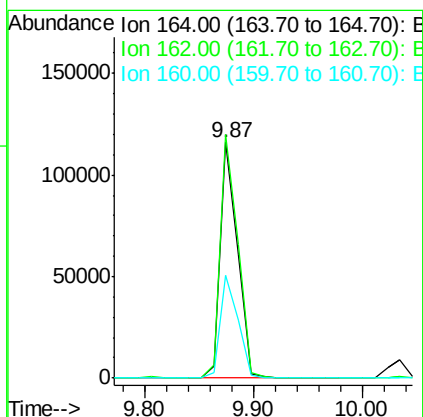
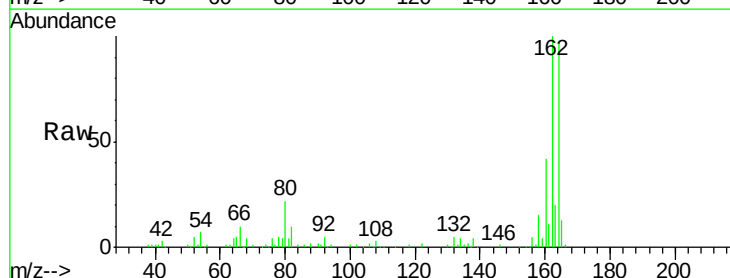
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

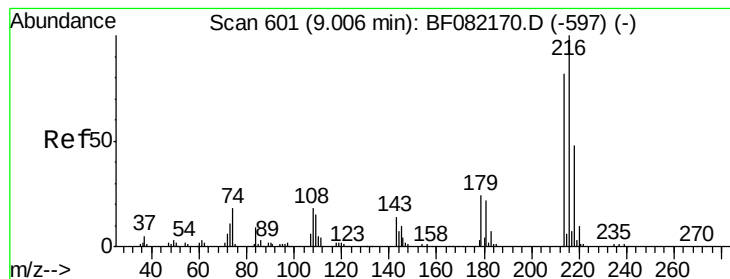
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.1  | 70.4  | 105.6 |
| 115     | 34.8  | 24.6  | 37.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 677  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.4 | 81.6  | 122.4 |
| 160     | 43.7  | 36.4  | 54.6  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 53.07 ng

RT: 9.01 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

Tot Ion:216 Resp: 201923

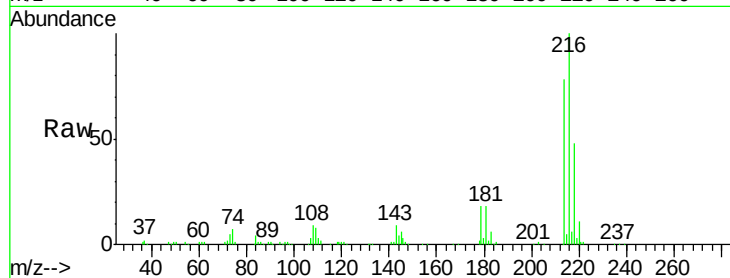
Ion Ratio Lower Upper

216 100

214 78.7 64.6 97.0

179 20.2 17.6 26.4

108 17.2 14.5 21.7

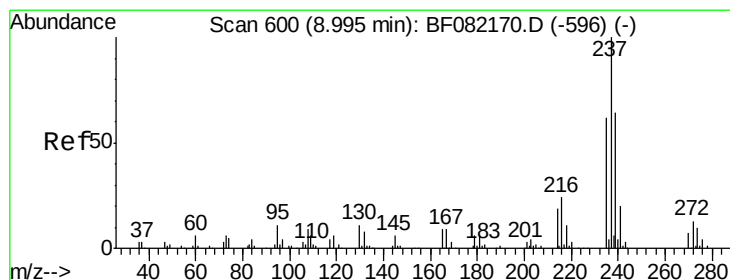
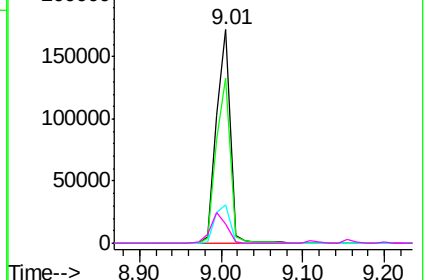
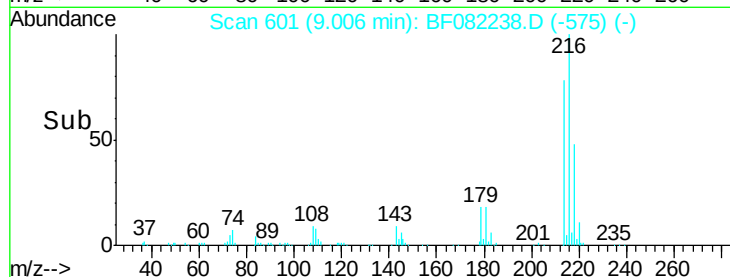


Abundance Ion 216.00 (215.70 to 216.70): E

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: 87.12 ng

RT: 8.98 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

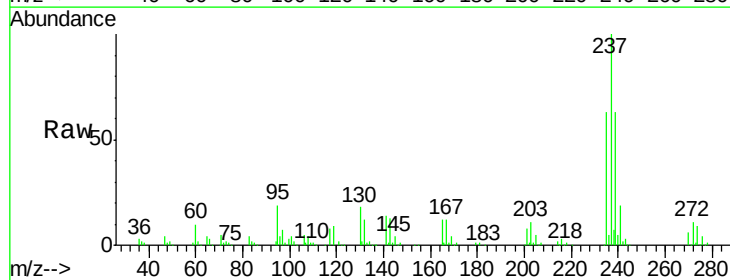
Tgt Ion:237 Resp: 169327

Ion Ratio Lower Upper

237 100

235 62.8 41.7 81.7

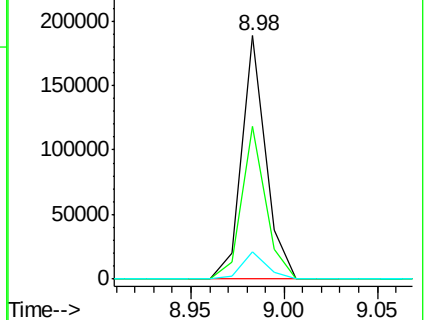
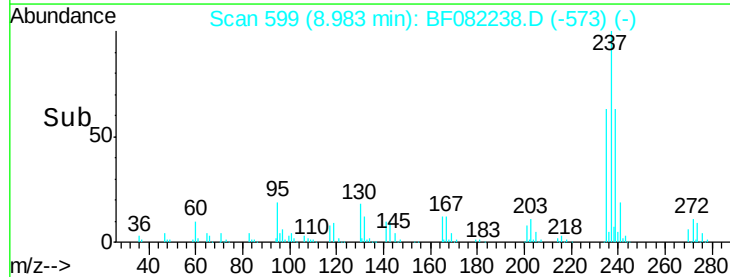
272 11.0 0.0 32.8

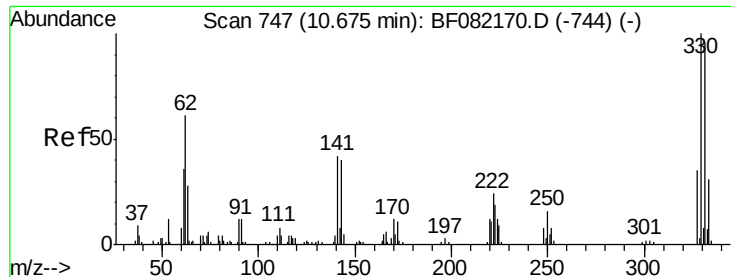


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

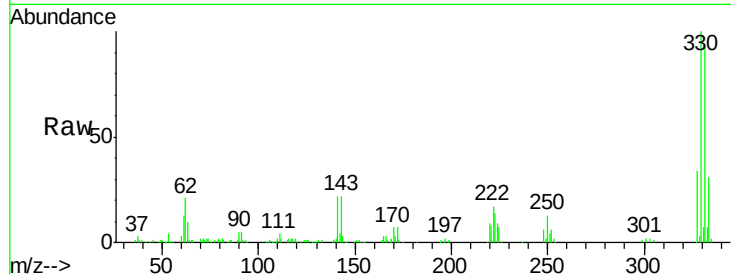




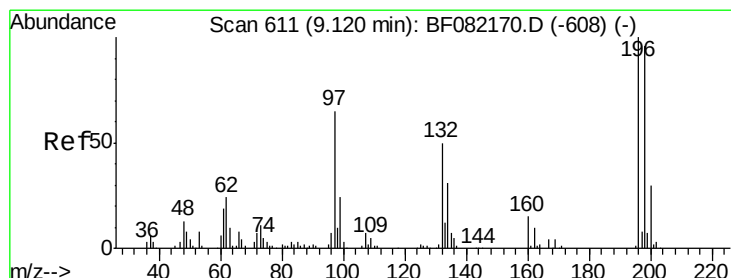
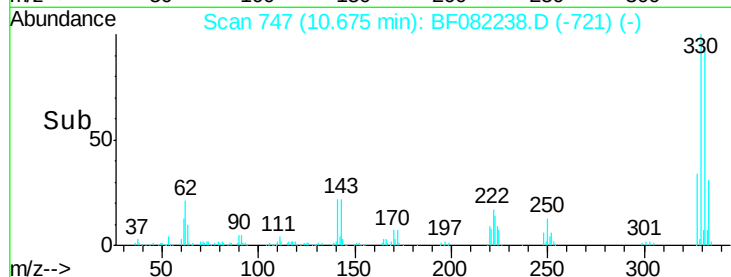
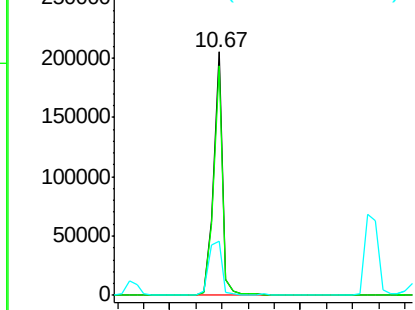
#41  
 2,4,6-Tribromophenol  
 Concen: 169.30 ng  
 RT: 10.67 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.1  | 115.7 |
| 141     | 32.4  | 29.8  | 44.8  |

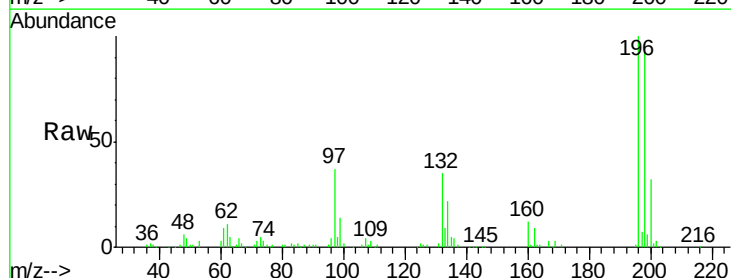


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

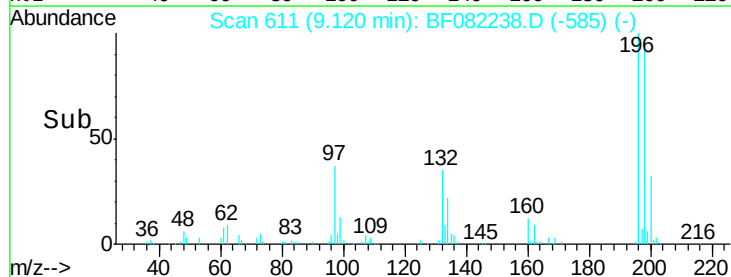
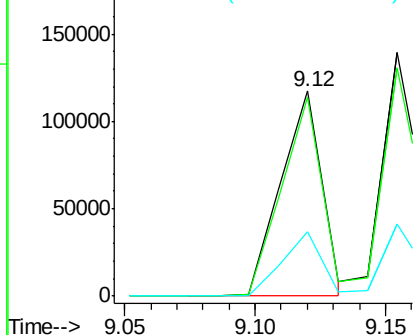


#42  
 2,4,6-Trichlorophenol  
 Concen: 50.80 ng  
 RT: 9.12 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

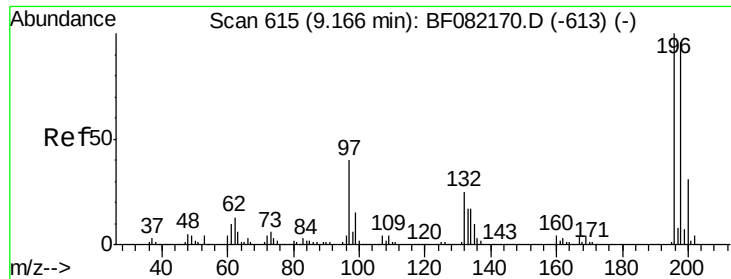
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.1  | 76.6  | 115.0 |
| 200     | 31.6  | 23.7  | 35.5  |



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



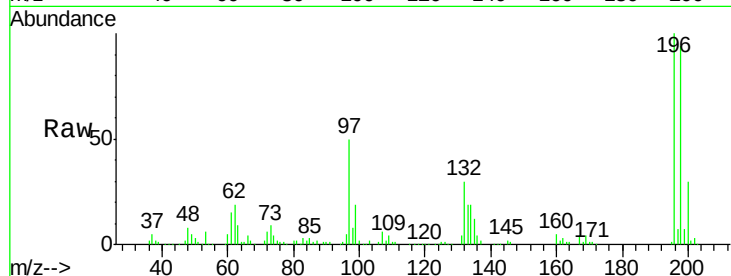




#43  
 2,4,5-Trichlorophenol  
 Concen: 53.97 ng  
 RT: 9.15 min Scan# 614  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.6  | 77.0  | 115.4 |
| 97      | 50.4  | 31.9  | 47.9  |
| 132     | 30.1  | 20.3  | 30.5  |



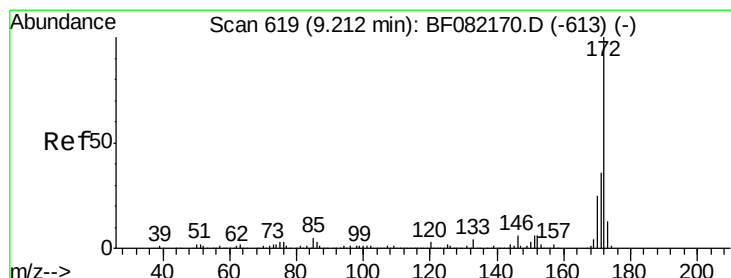
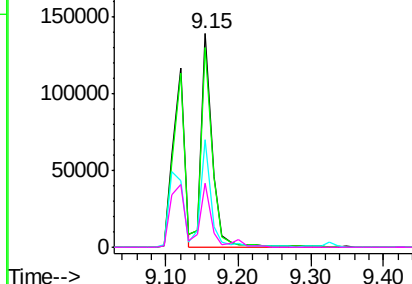
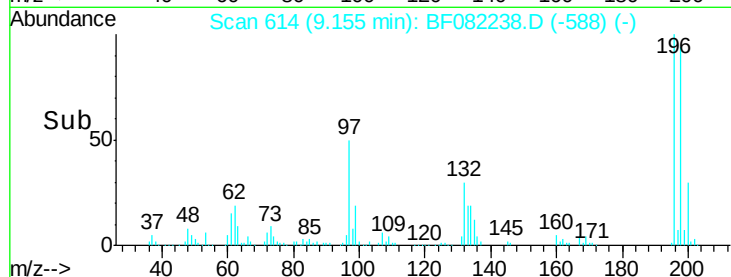
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

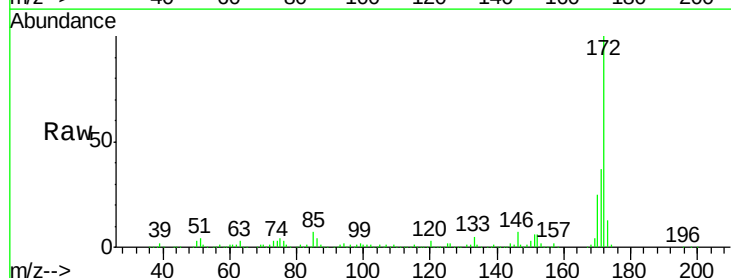
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 106.37 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 28.6  | 42.8  |
| 170     | 24.6  | 19.7  | 29.5  |

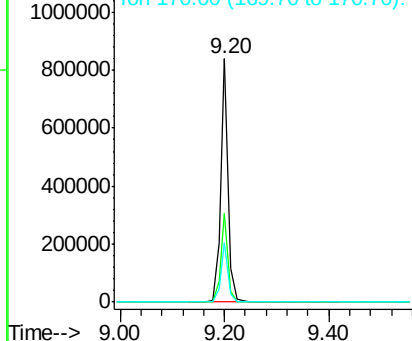
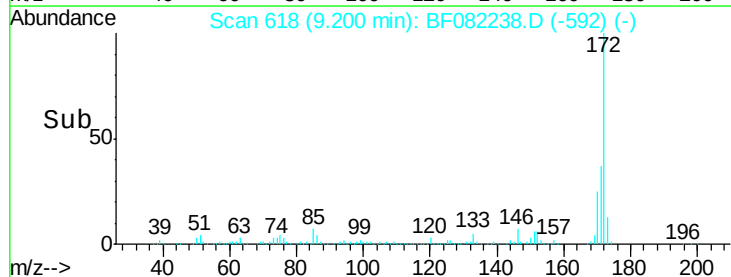


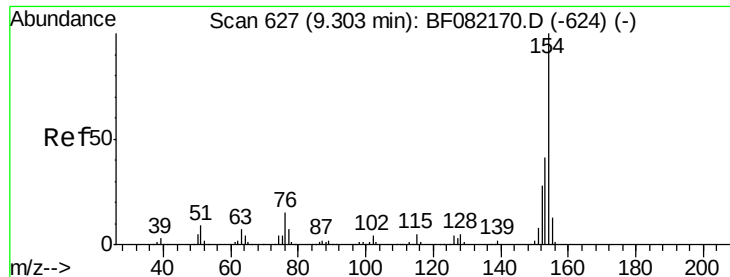
Abundance

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

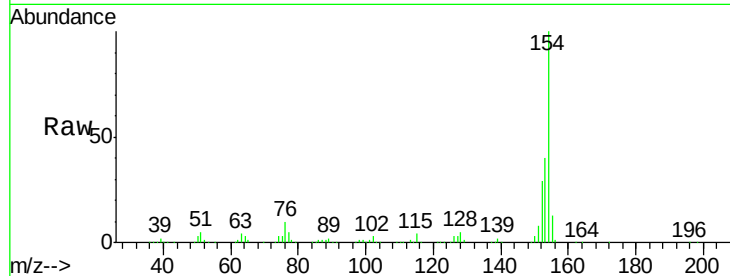




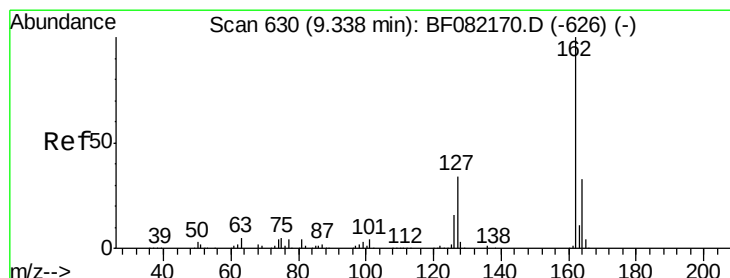
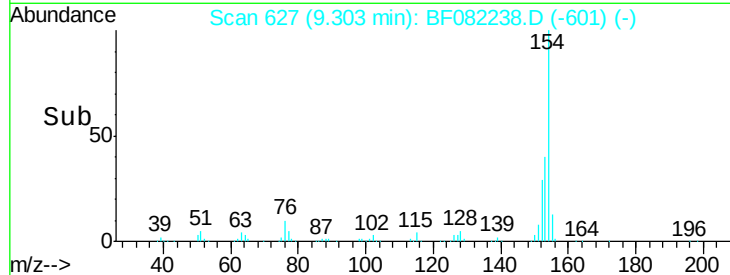
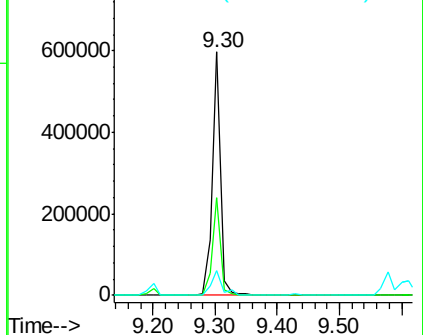
#45  
 1,1'-Biphenyl  
 Concen: 56.20 ng  
 RT: 9.30 min Scan# 627  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:154 | Resp: | 548264    |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 40.3  | 20.6 60.6 |
| 76          | 10.2  | 0.0 35.2  |

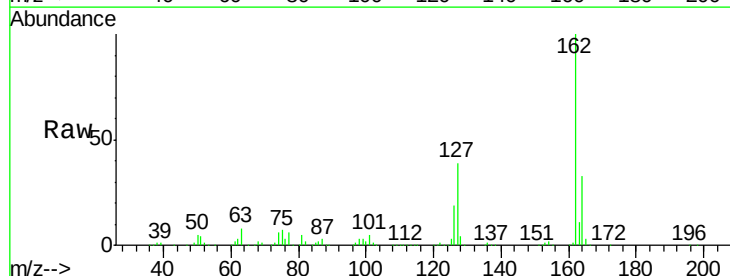


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

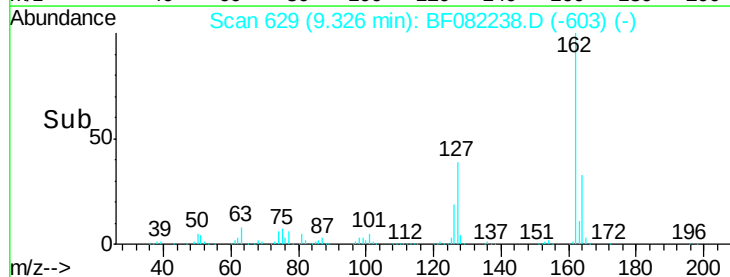
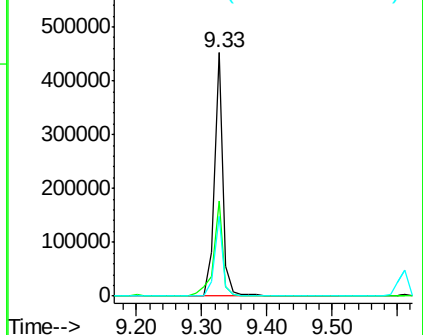


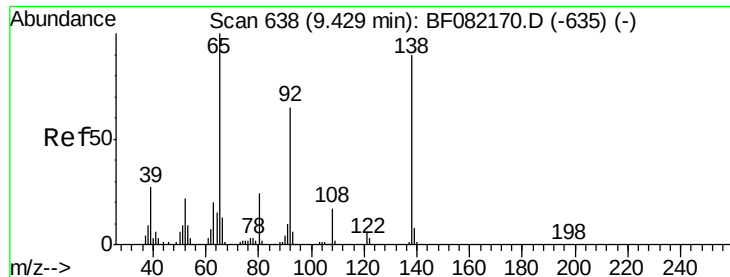
#46  
 2-Chloronaphthalene  
 Concen: 54.90 ng  
 RT: 9.33 min Scan# 629  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 421629    |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 127         | 39.0  | 27.5 41.3 |
| 164         | 32.6  | 26.6 39.8 |



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

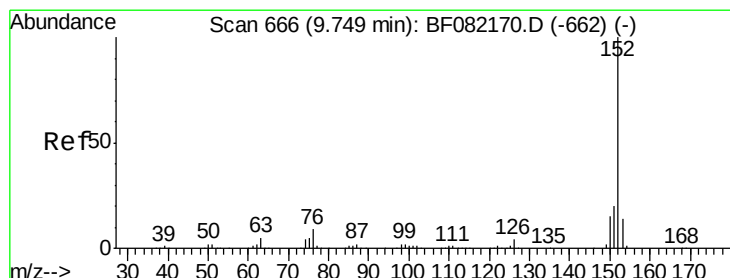
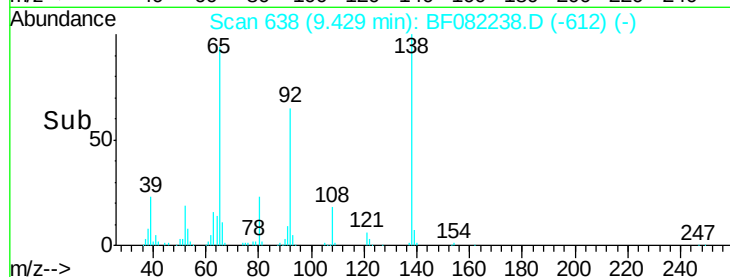
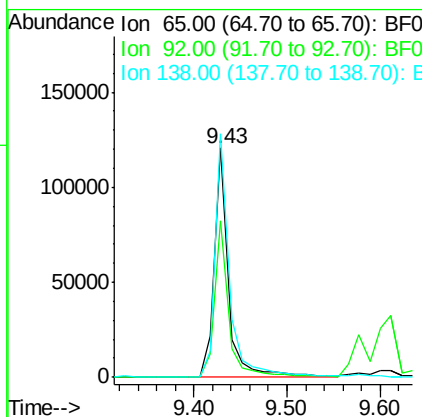
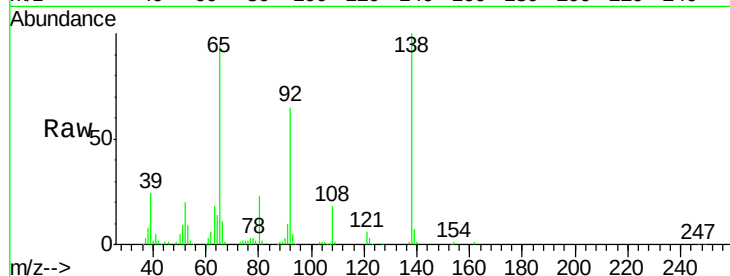




#47  
2-Nitroaniline  
Concen: 60.91 ng  
RT: 9.43 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

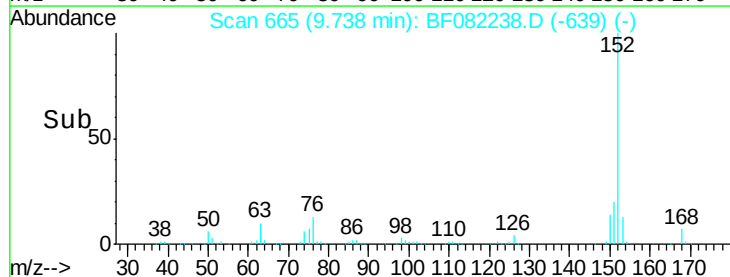
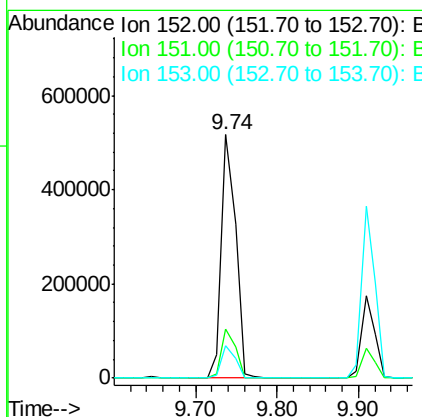
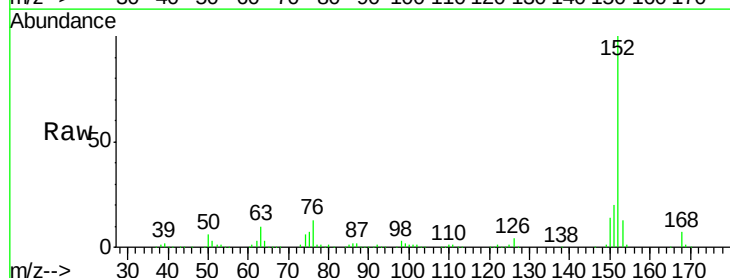
Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

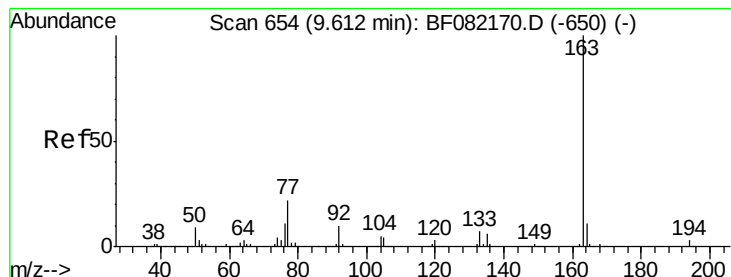
Tot Ion: 65 Resp: 128420  
Ion Ratio Lower Upper  
65 100  
92 68.5 52.3 78.5  
138 106.2 72.2 108.4



#48  
Acenaphthylene  
Concen: 52.51 ng  
RT: 9.74 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion: 152 Resp: 628133  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.4 24.6  
153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 58.59 ng

RT: 9.61 min Scan# 654

Delta R.T. 0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

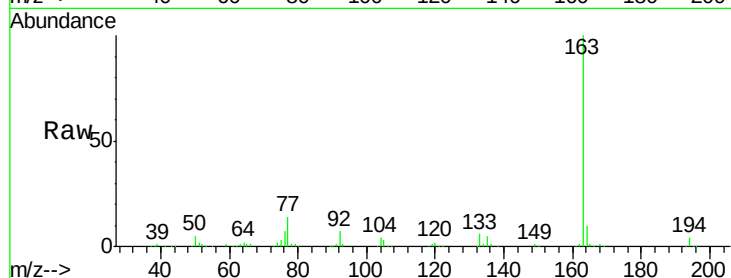
Tot Ion:163 Resp: 527801

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

164 10.0 8.5 12.7



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

600000

500000

400000

300000

200000

100000

0

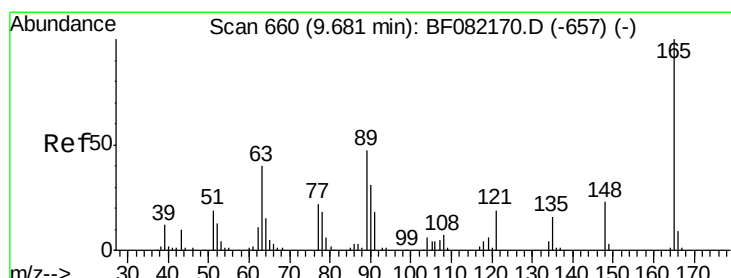
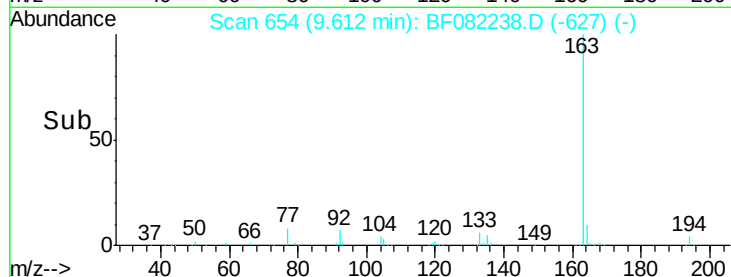
9.50

9.61

9.70

9.80

Time-->



#50

2,6-Dinitrotoluene

Concen: 54.32 ng

RT: 9.67 min Scan# 659

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

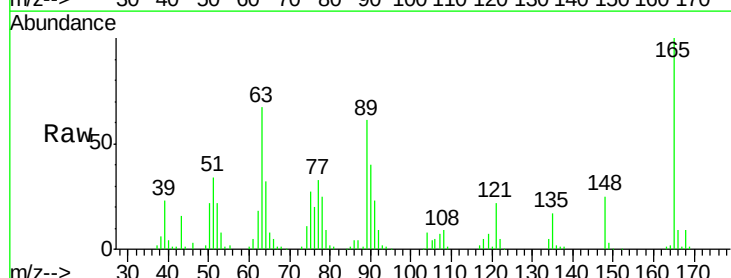
Tgt Ion:165 Resp: 103251

Ion Ratio Lower Upper

165 100

63 67.0 36.7 55.1#

89 60.5 37.8 56.6#



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

120000

100000

80000

60000

40000

20000

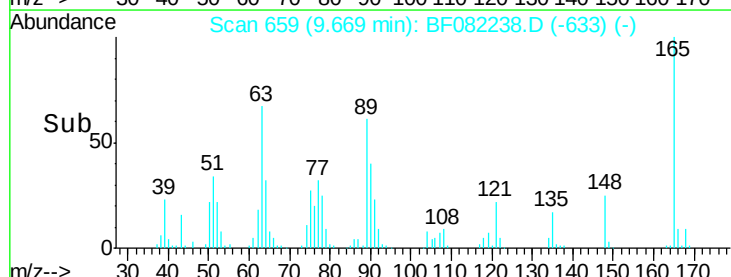
0

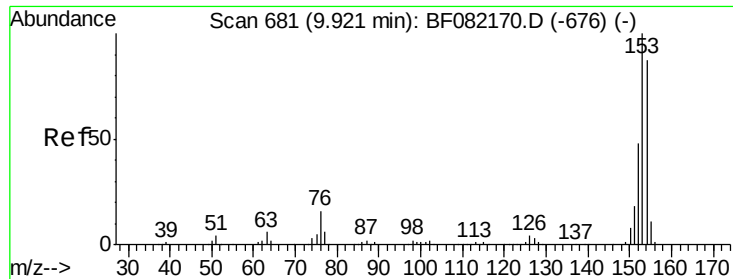
9.60

9.67

9.80

Time-->





#51

Acenaphthene

Concen: 52.71 ng

RT: 9.91 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

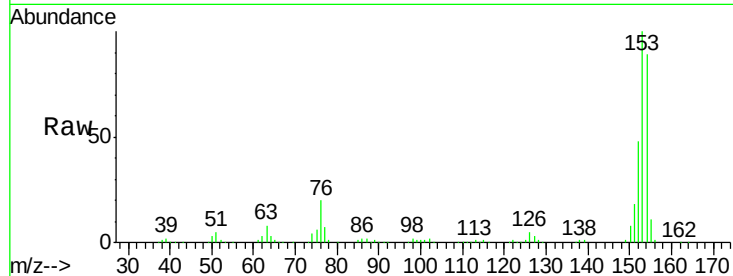
Tot Ion:154 Resp: 378526

Ion Ratio Lower Upper

154 100

153 112.8 91.4 137.2

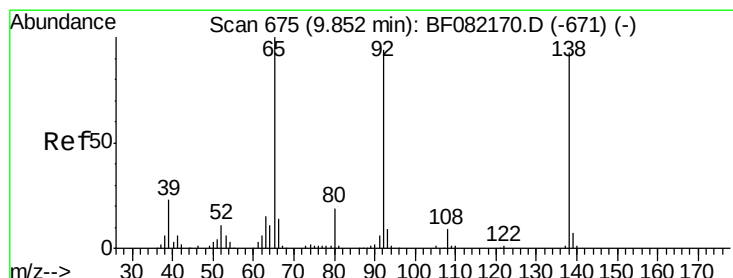
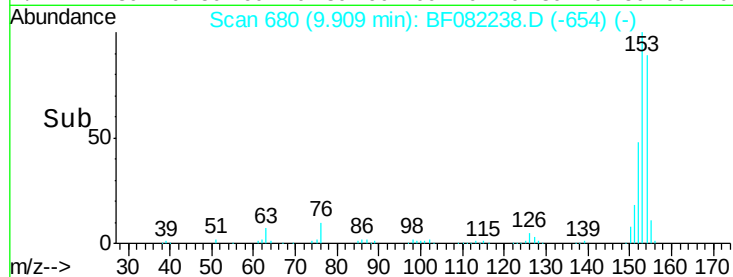
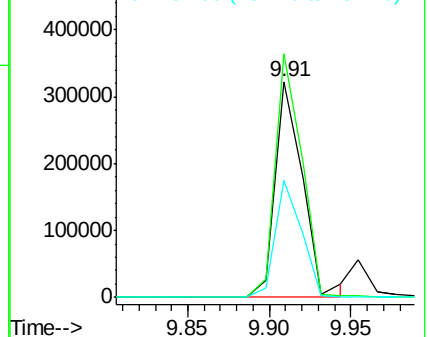
152 53.9 44.3 66.5



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: 33.46 ng

RT: 9.84 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

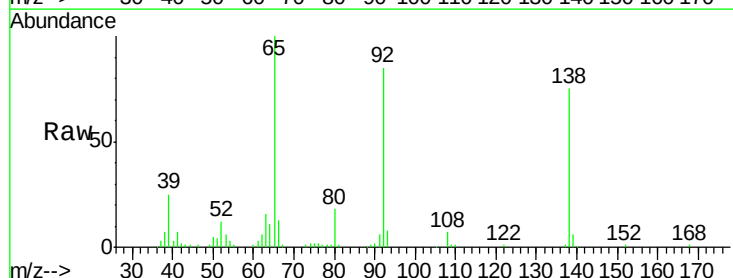
Tgt Ion:138 Resp: 71843

Ion Ratio Lower Upper

138 100

108 9.8 7.4 11.0

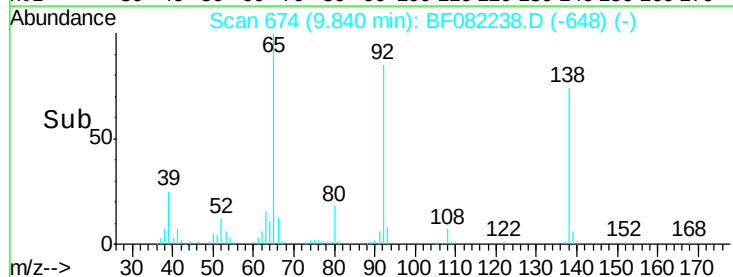
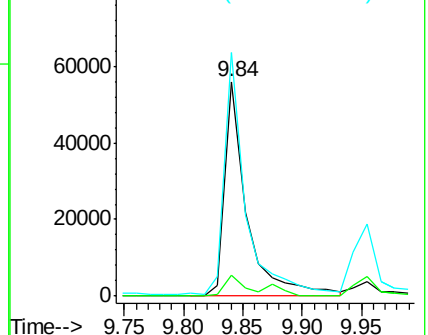
92 113.7 81.3 121.9

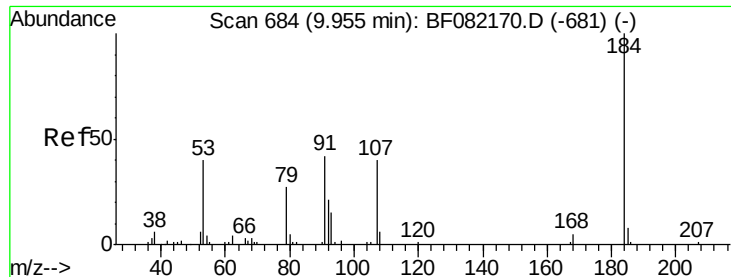


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

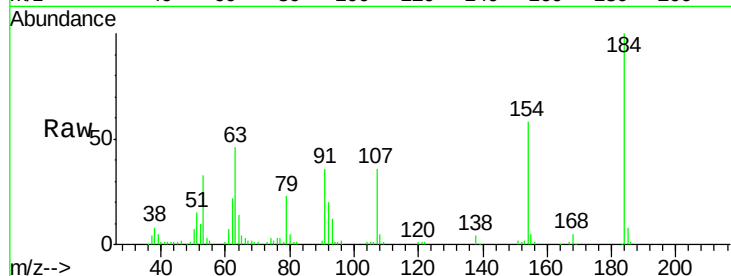




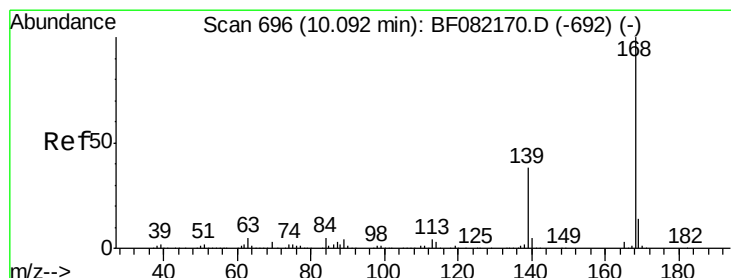
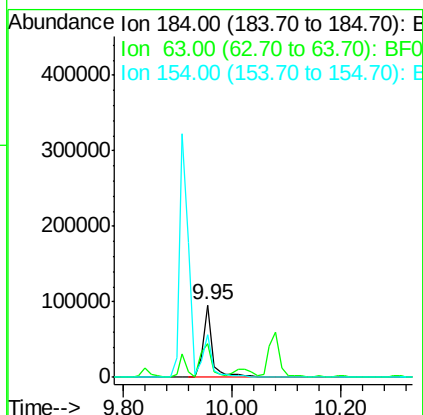
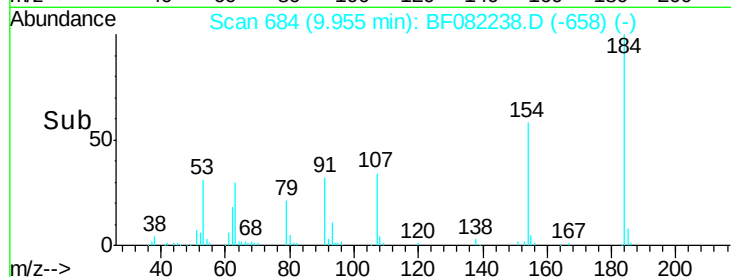
#53  
 2,4-Dinitrophenol  
 Concen: 106.42 ng  
 RT: 9.95 min Scan# 684  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

Tot Ion:184 Resp: 115473  
 Ion Ratio Lower Upper  
 184 100  
 63 46.2 45.1 67.7  
 154 58.1 51.2 76.8

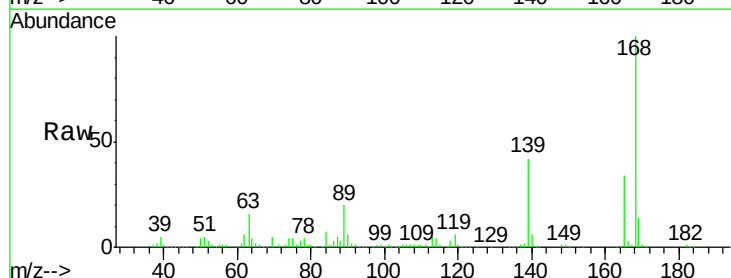


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

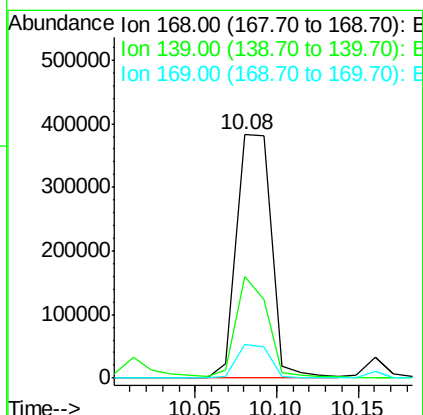
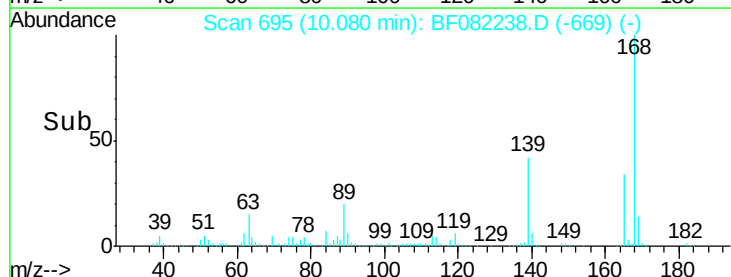


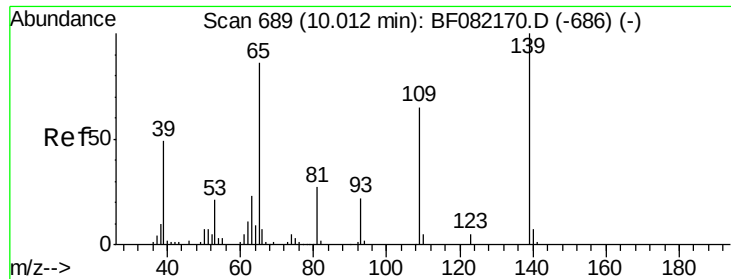
#54  
 Dibenzofuran  
 Concen: 57.11 ng  
 RT: 10.08 min Scan# 695  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:168 Resp: 563049  
 Ion Ratio Lower Upper  
 168 100  
 139 41.7 31.0 46.6  
 169 13.9 10.9 16.3



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

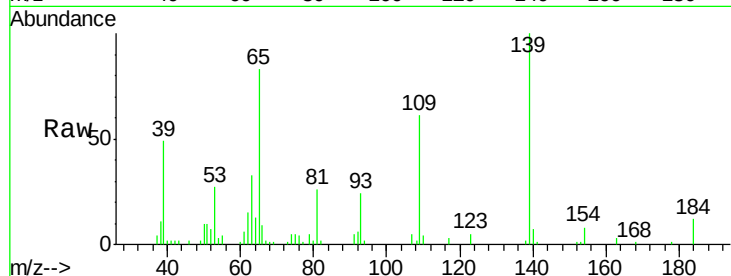




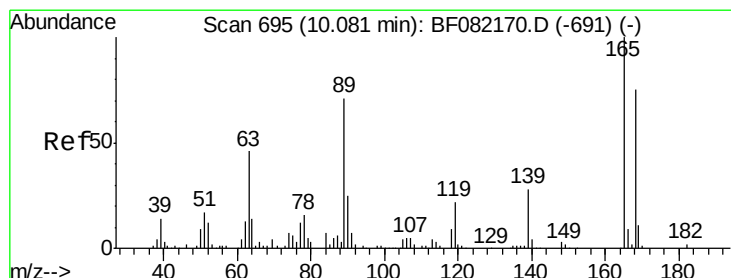
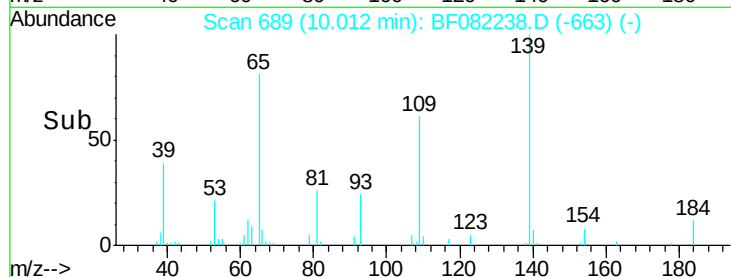
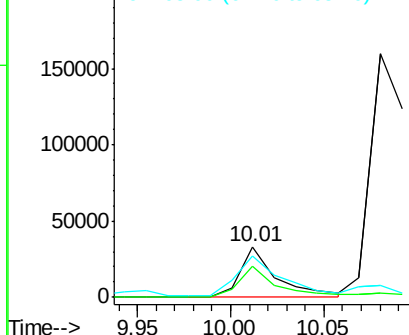
#55  
4-Nitrophenol  
Concen: 38.77 ng  
RT: 10.01 min Scan# 689  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

Tot Ion:139 Resp: 45884  
Ion Ratio Lower Upper  
139 100  
109 60.8 44.8 84.8  
65 82.8 67.7 107.7

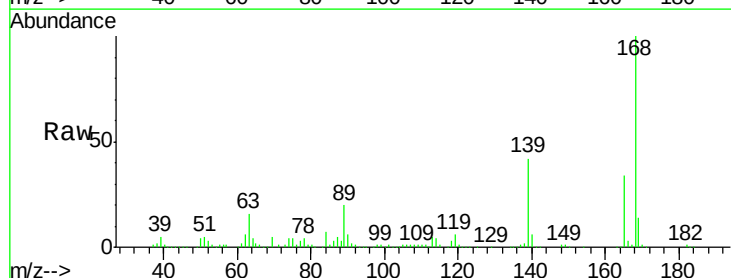


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

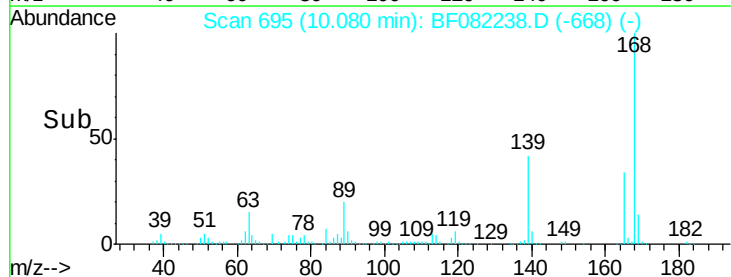
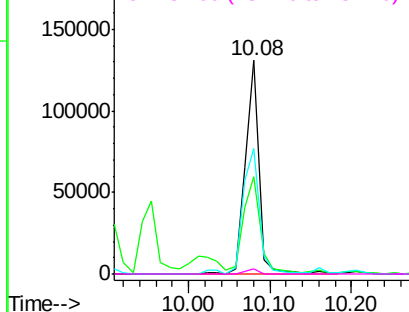


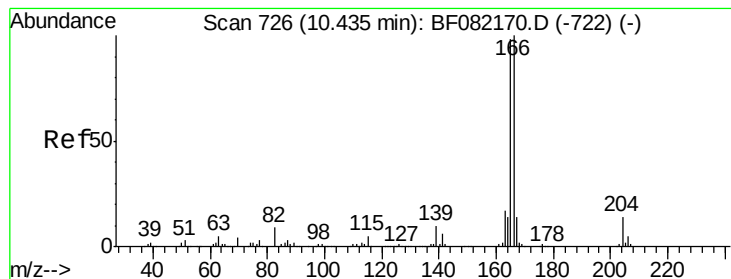
#56  
2,4-Dinitrotoluene  
Concen: 63.56 ng  
RT: 10.08 min Scan# 695  
Delta R.T. 0.01 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion:165 Resp: 150988  
Ion Ratio Lower Upper  
165 100  
63 45.5 38.6 58.0  
89 58.4 57.0 85.6  
182 2.2 1.8 2.6



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: 54.50 ng

RT: 10.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

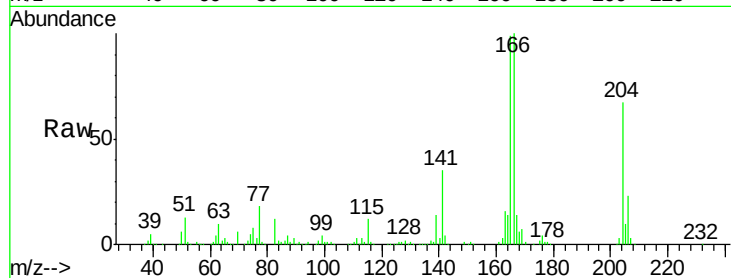
Tot Ion:166 Resp: 441375

Ion Ratio Lower Upper

166 100

165 98.9 78.3 117.5

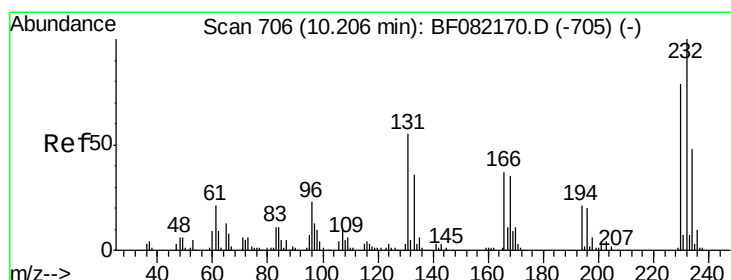
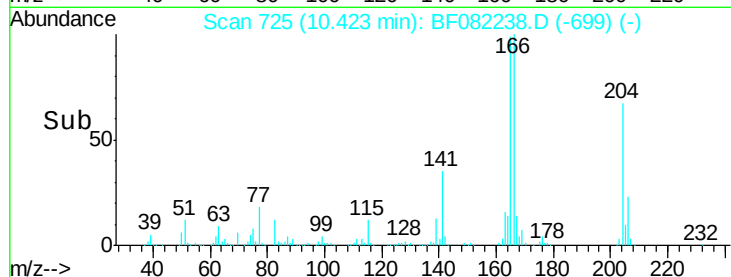
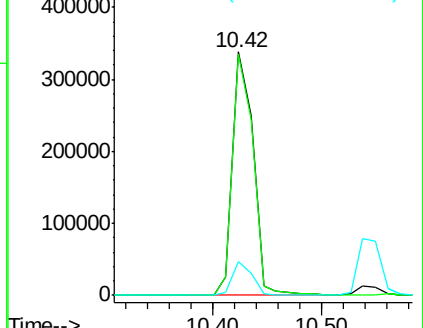
167 13.8 10.8 16.2



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: 59.75 ng

RT: 10.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Tgt Ion:232 Resp: 133643

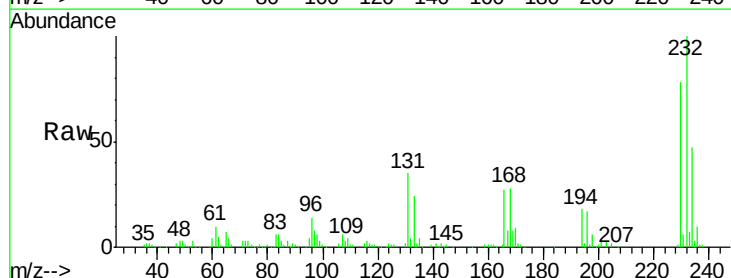
Ion Ratio Lower Upper

232 100

131 39.2 36.6 54.8

130 1.7 1.5 2.3

166 27.2 24.6 37.0

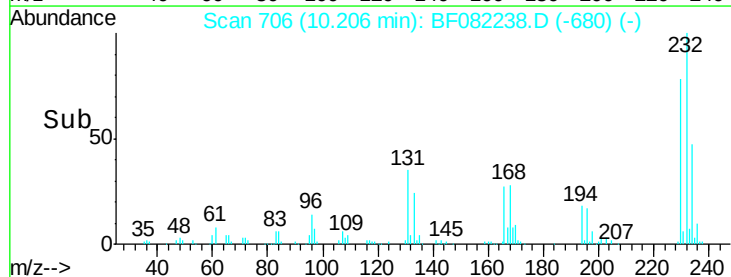
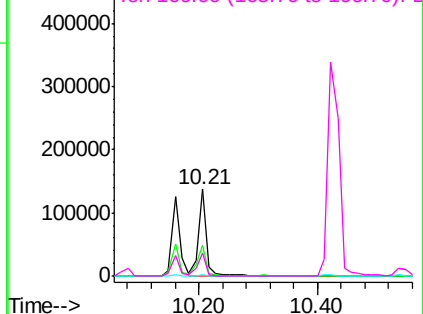


Abundance Ion 232.00 (231.70 to 232.70): E

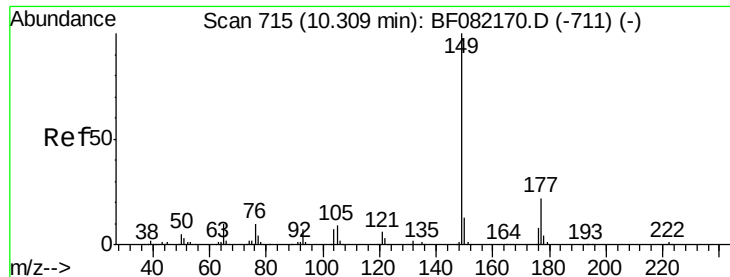
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



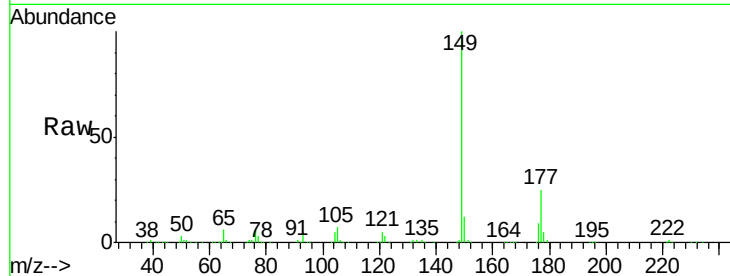




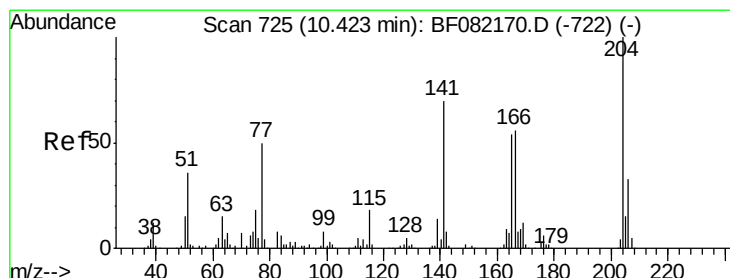
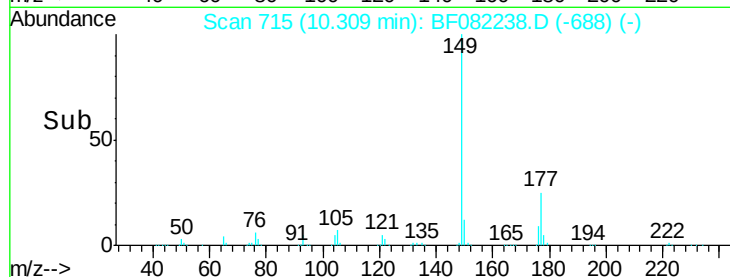
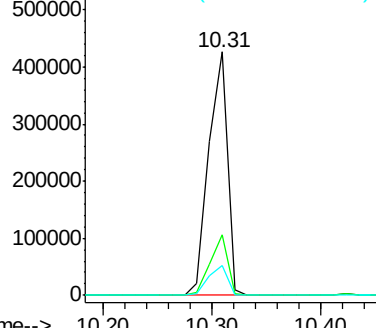
#59  
Diethylphthalate  
Concen: 59.76 ng  
RT: 10.31 min Scan# 715  
Delta R.T. 0.01 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

Tot Ion:149 Resp: 501759  
Ion Ratio Lower Upper  
149 100  
177 24.7 17.6 26.4  
150 12.3 10.3 15.5

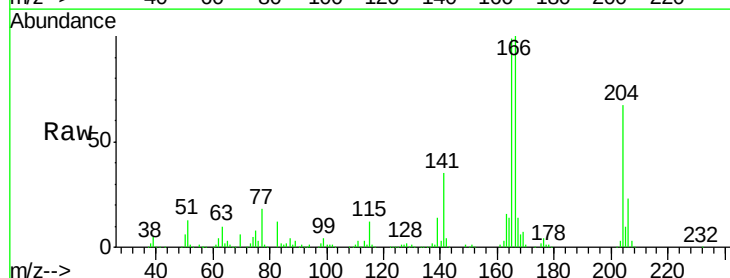


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

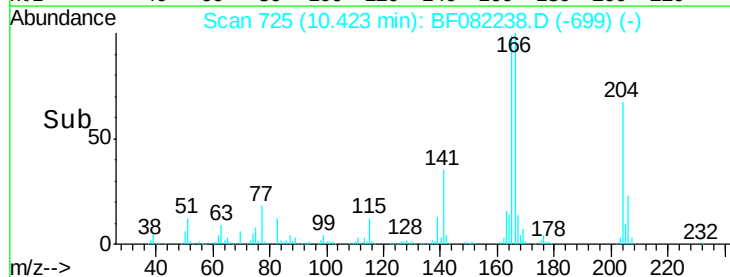
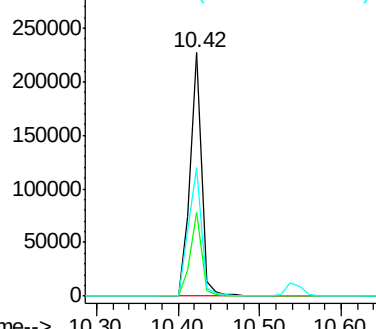


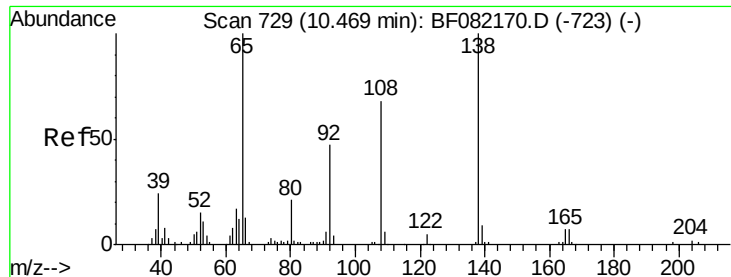
#60  
4-Chlorophenyl-phenylether  
Concen: 60.21 ng  
RT: 10.42 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion:204 Resp: 223350  
Ion Ratio Lower Upper  
204 100  
206 34.4 26.8 40.2  
141 52.6 56.1 84.1#



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

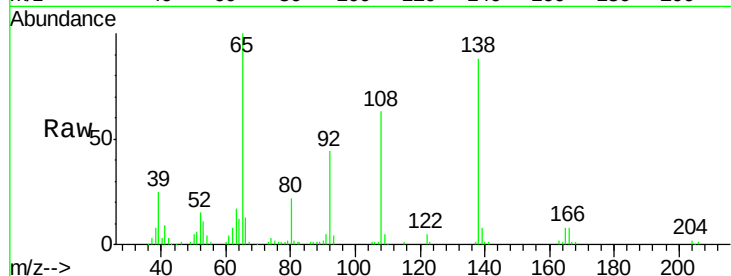




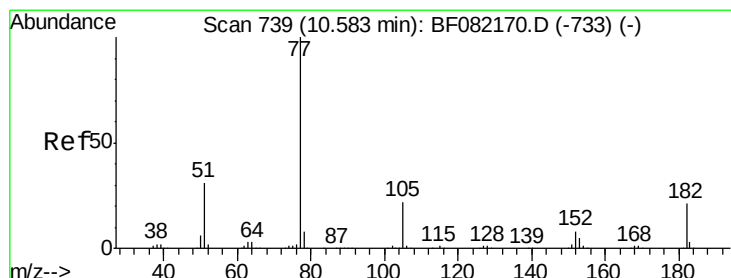
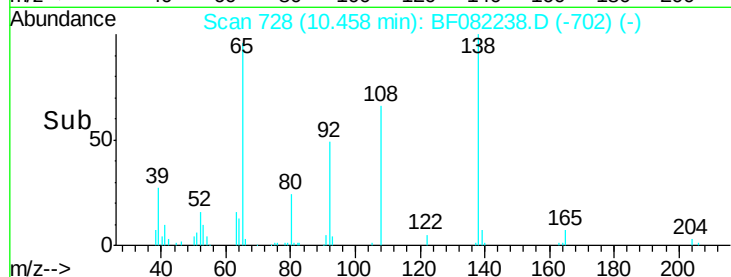
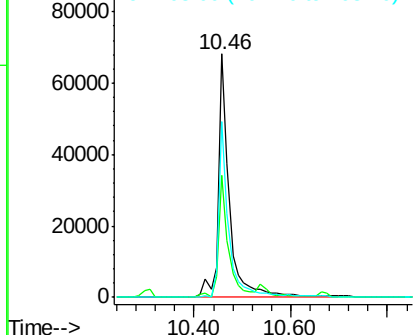
#61  
4-Nitroaniline  
Concen: 53.17 ng  
RT: 10.46 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

Tot Ion:138 Resp: 110723  
Ion Ratio Lower Upper  
138 100  
92 50.0 26.8 66.8  
108 72.0 48.4 88.4

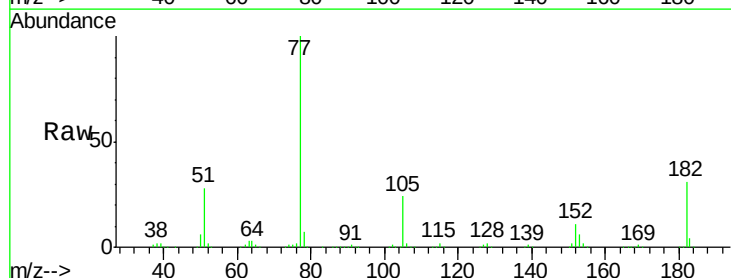


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

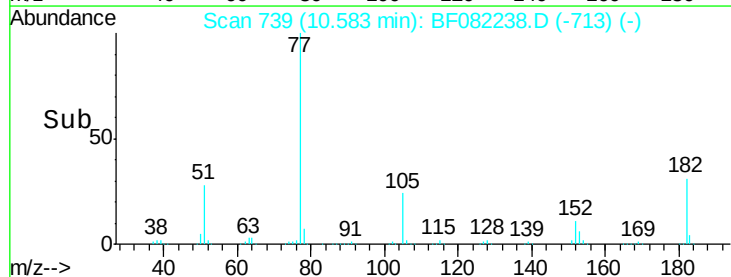
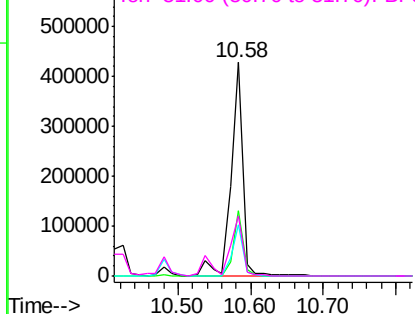


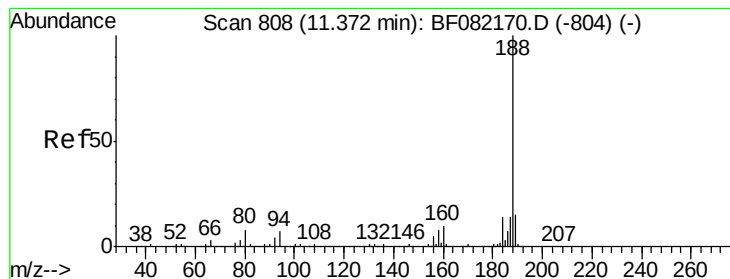
#62  
Azobenzene  
Concen: 58.35 ng  
RT: 10.58 min Scan# 739  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion: 77 Resp: 479529  
Ion Ratio Lower Upper  
77 100  
182 30.8 0.5 40.5  
105 24.1 1.8 41.8  
51 28.3 11.2 51.2



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: 11.36 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

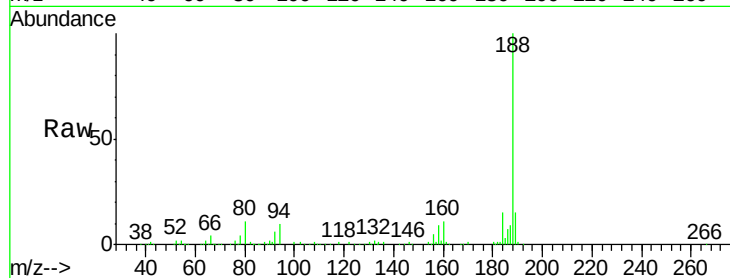
Tot Ion:188 Resp: 256122

Ion Ratio Lower Upper

188 100

94 10.5 5.8 8.6#

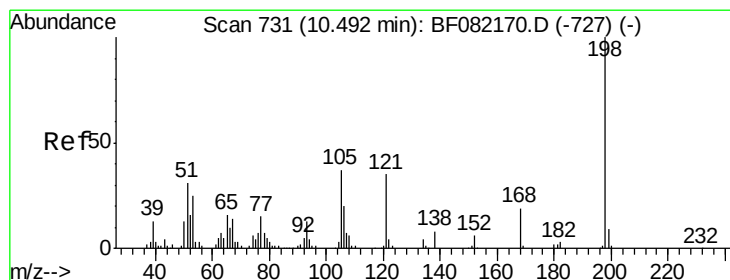
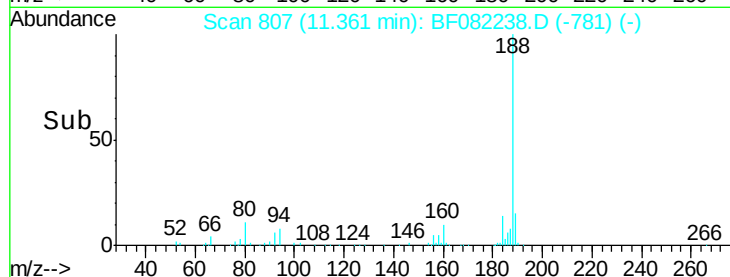
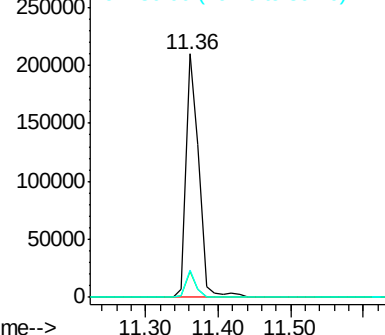
80 11.2 6.4 9.6#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 50.44 ng

RT: 10.48 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

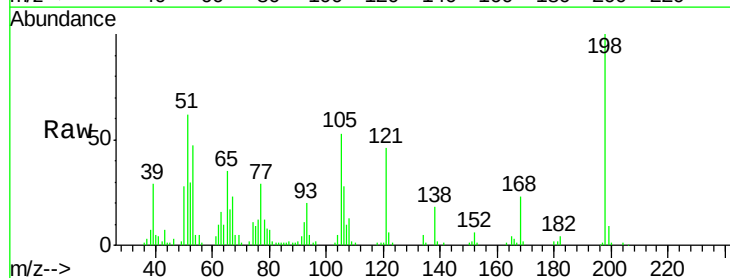
Tgt Ion:198 Resp: 72505

Ion Ratio Lower Upper

198 100

51 61.6 13.6 53.6#

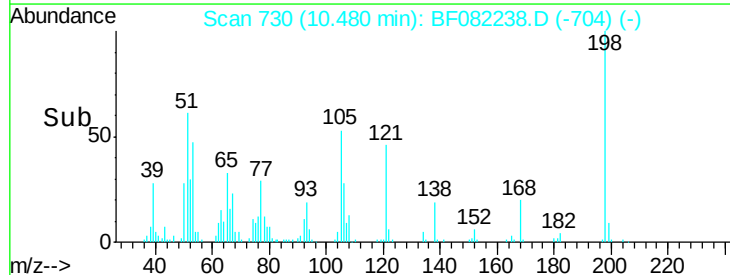
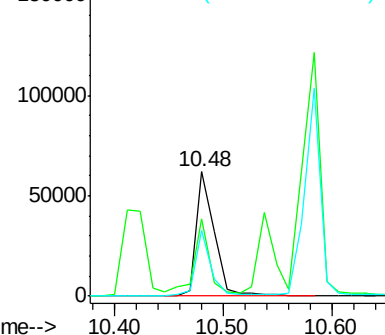
105 52.7 17.1 57.1

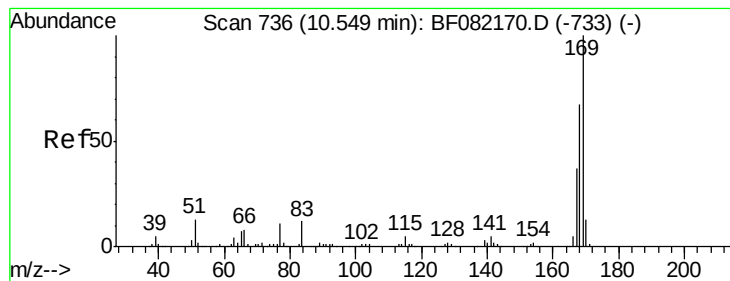


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

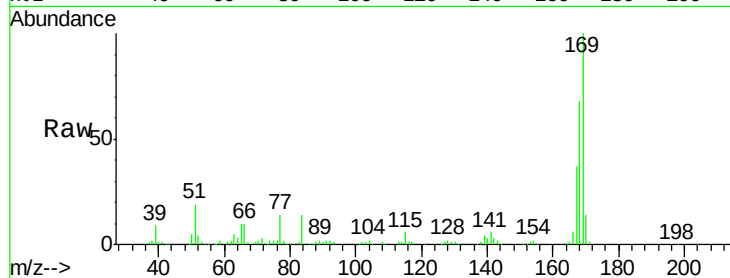




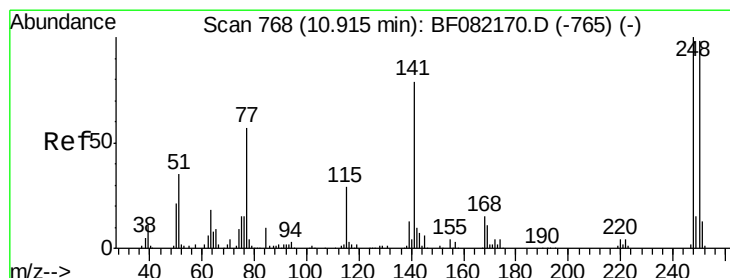
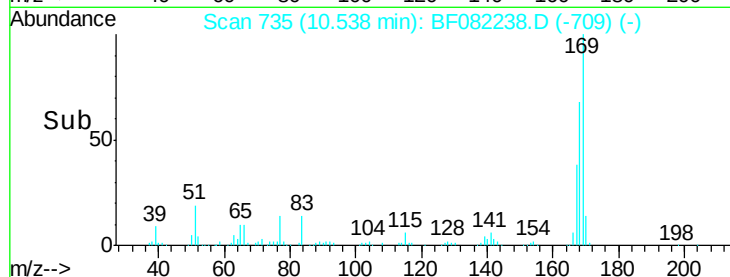
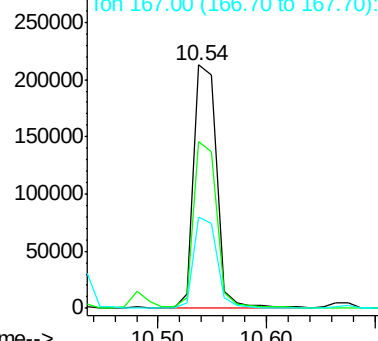
#65  
 n-Nitrosodiphenylamine  
 Concen: 41.10 ng  
 RT: 10.54 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

Tot Ion:169 Resp: 315203  
 Ion Ratio Lower Upper  
 169 100  
 168 68.4 54.0 81.0  
 167 37.5 29.6 44.4

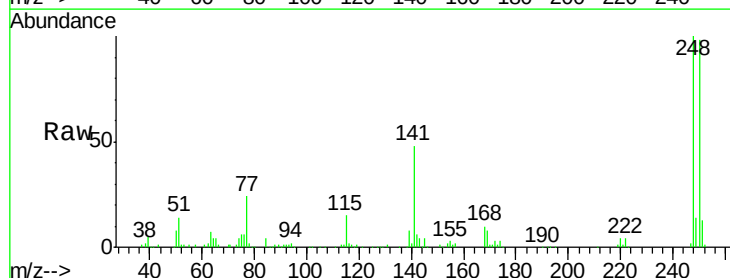


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

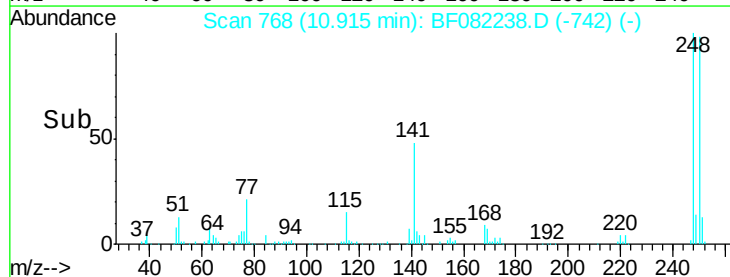
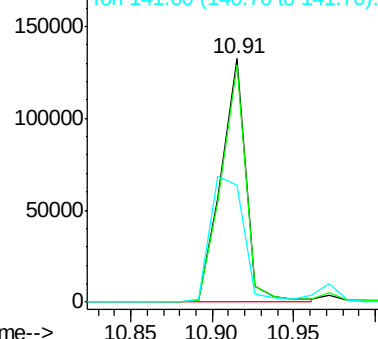


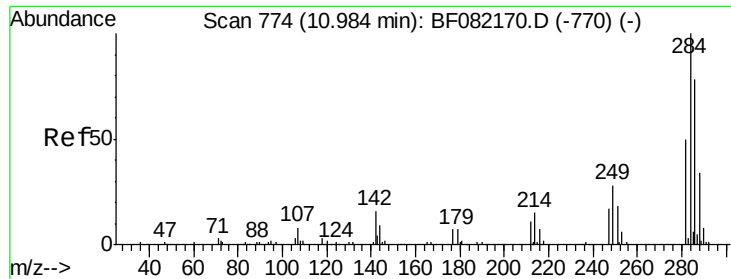
#66  
 4-Bromophenyl-phenylether  
 Concen: 54.79 ng  
 RT: 10.91 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:248 Resp: 140448  
 Ion Ratio Lower Upper  
 248 100  
 250 97.6 78.6 117.8  
 141 47.8 63.3 94.9#



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

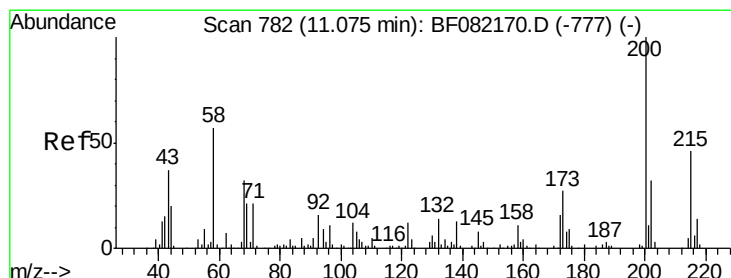
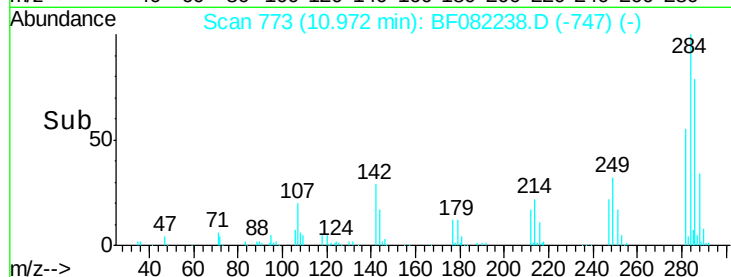
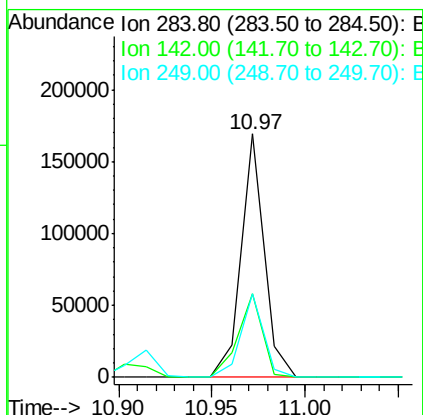
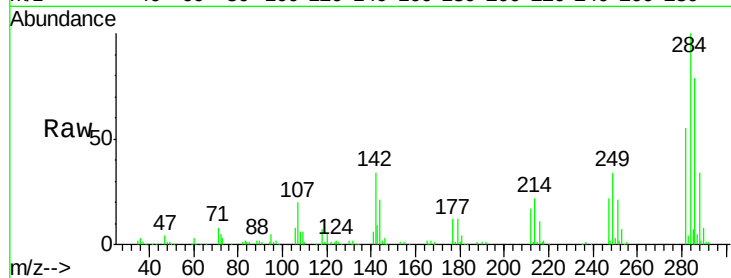




#67  
Hexachlorobenzene  
Concen: 53.10 ng  
RT: 10.97 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

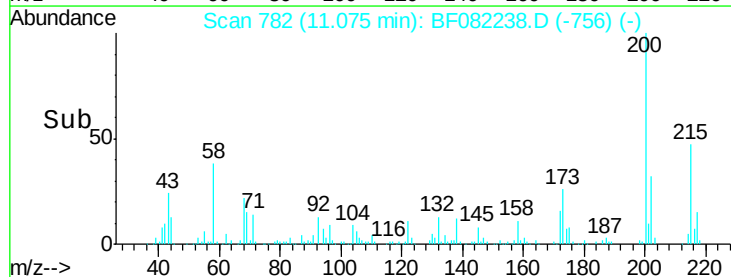
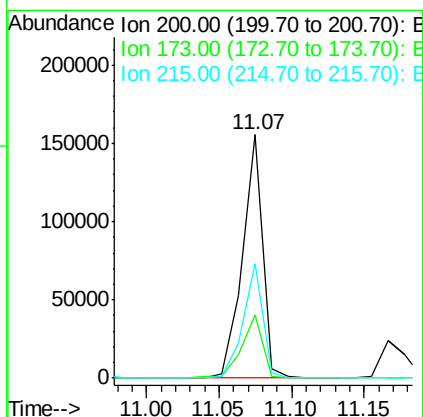
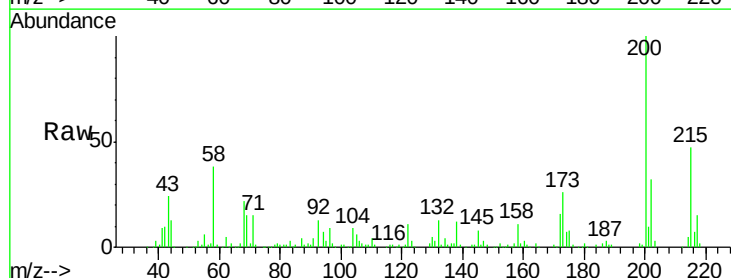
Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

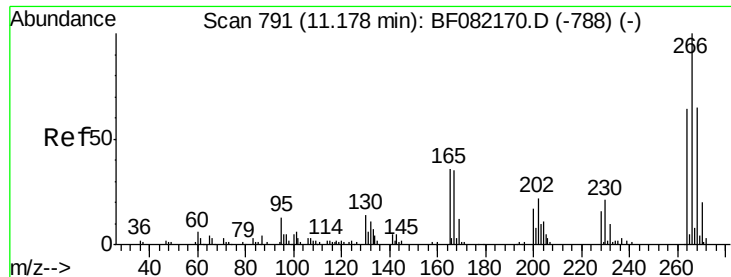
Tot Ion:284 Resp: 147195  
Ion Ratio Lower Upper  
284 100  
142 34.2 13.0 19.6#  
249 34.3 22.5 33.7#



#68  
Atrazine  
Concen: 61.75 ng  
RT: 11.07 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion:200 Resp: 150028  
Ion Ratio Lower Upper  
200 100  
173 25.8 7.3 47.3  
215 47.2 26.2 66.2

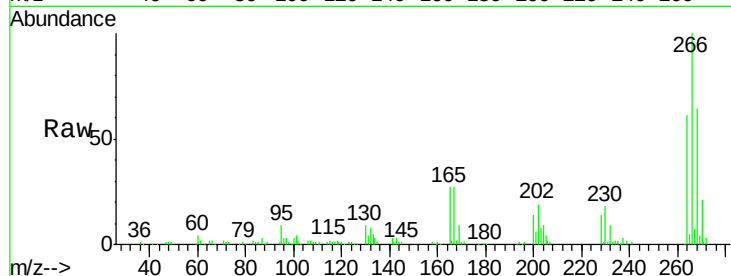




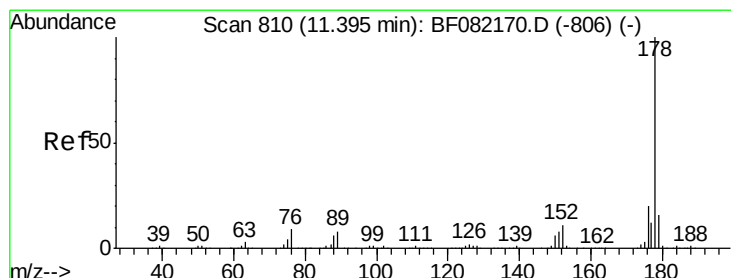
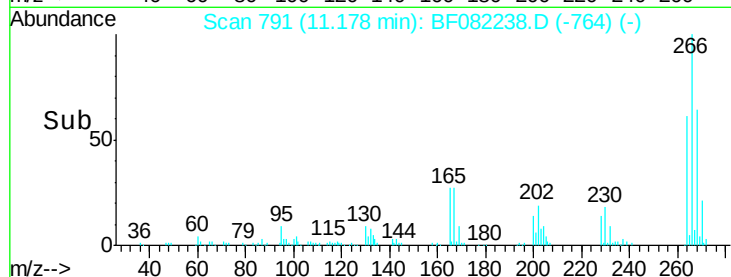
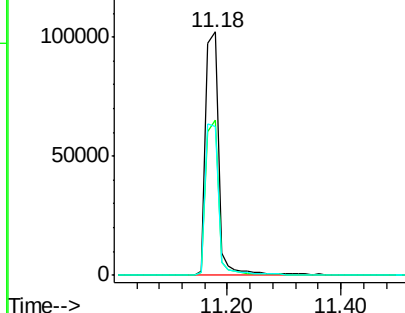
#69  
 Pentachlorophenol  
 Concen: 110.37 ng  
 RT: 11.18 min Scan# 791  
 Delta R.T. 0.01 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

Tot Ion:266 Resp: 157445  
 Ion Ratio Lower Upper  
 266 100  
 268 63.8 52.0 78.0  
 264 61.2 51.4 77.0

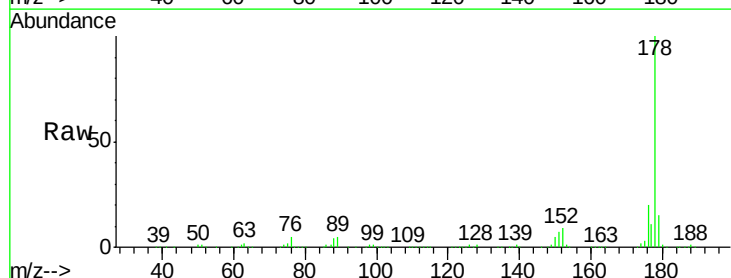


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

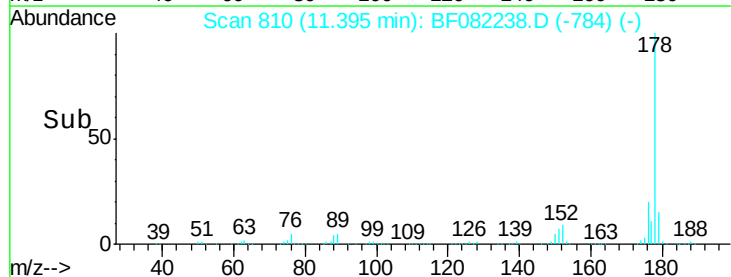
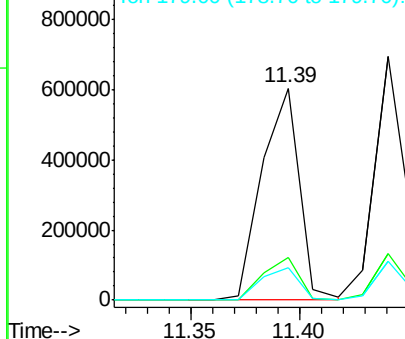


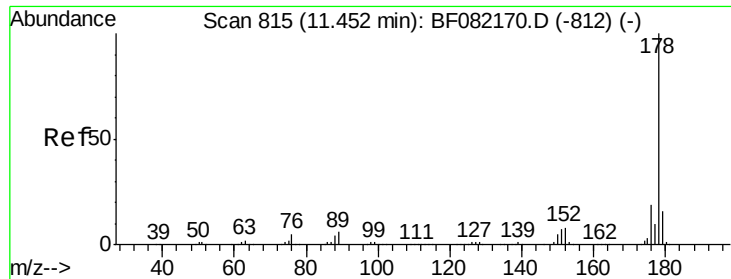
#70  
 Phenanthrene  
 Concen: 58.15 ng  
 RT: 11.39 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:178 Resp: 730087  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.0 24.0  
 179 15.5 12.6 19.0



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

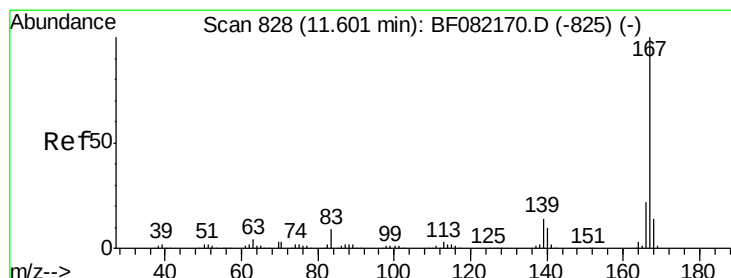
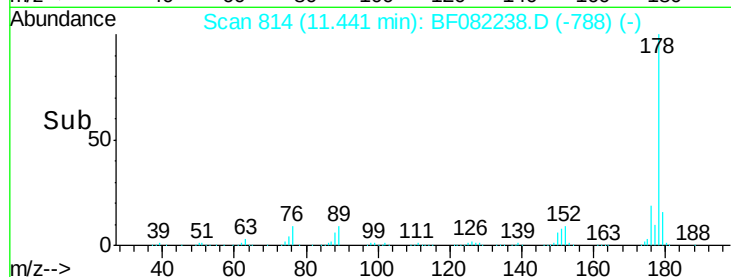
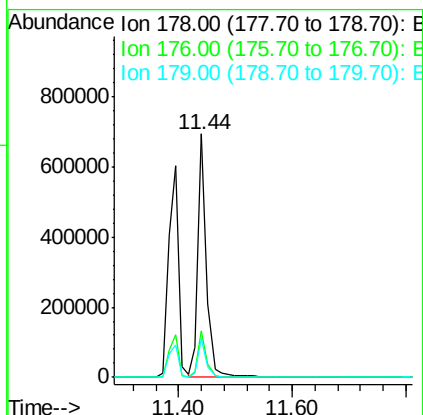
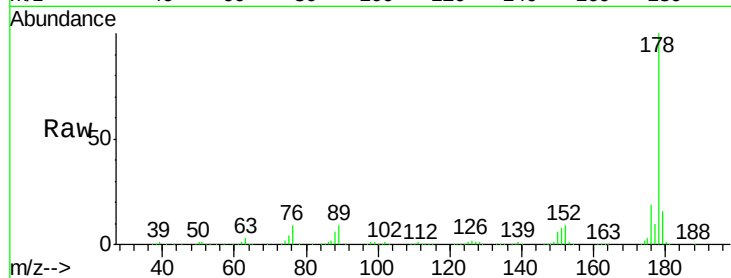




#71  
 Anthracene  
 Concen: 56.29 ng  
 RT: 11.44 min Scan# 814  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

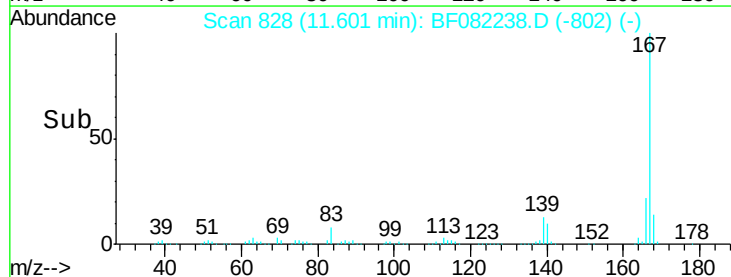
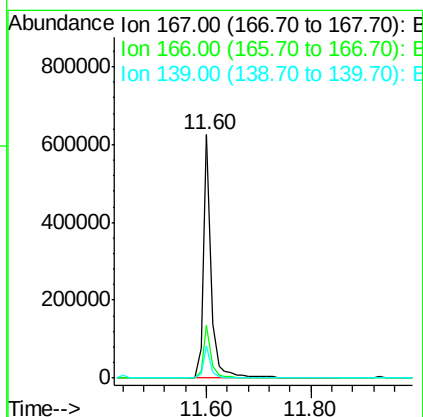
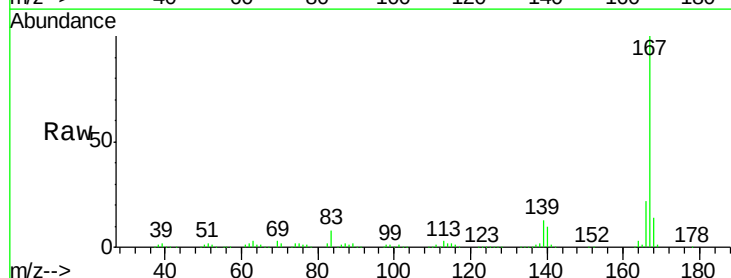
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

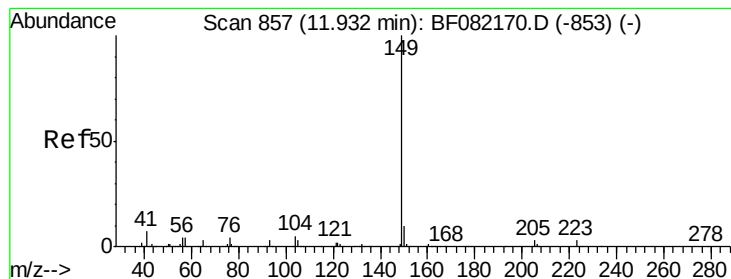
Tot Ion:178 Resp: 728232  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.0  
 179 16.2 12.5 18.7



#72  
 Carbazole  
 Concen: 55.71 ng  
 RT: 11.60 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:167 Resp: 657504  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.3 25.9  
 139 13.4 11.2 16.8





#73

Di-n-butylphthalate

Concen: 55.61 ng

RT: 11.93 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

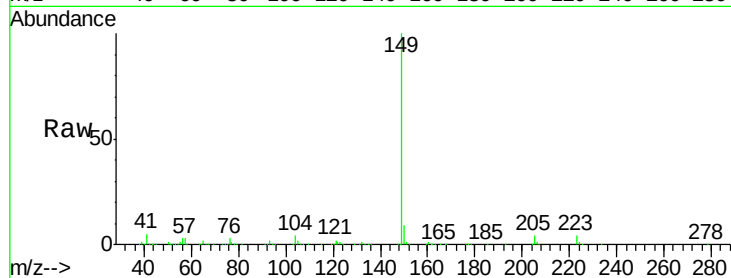
Tot Ion:149 Resp: 809620

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

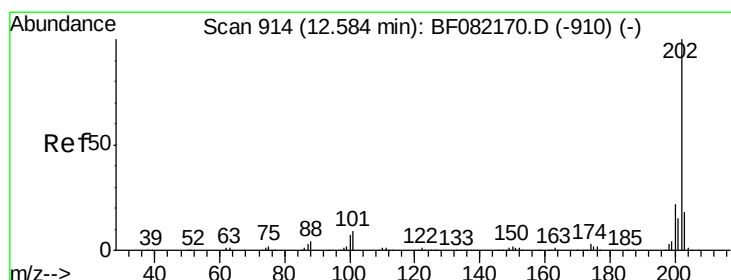
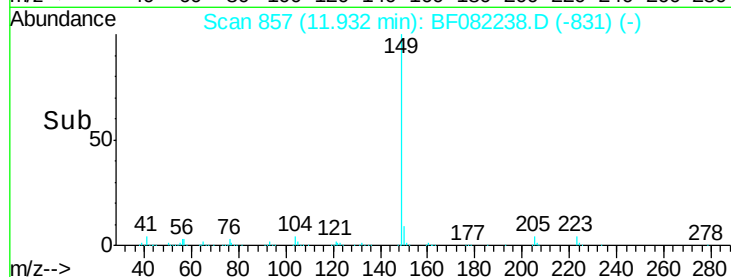
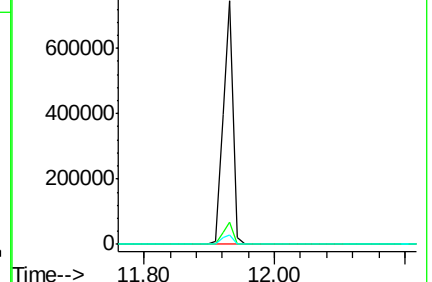
104 4.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 59.48 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

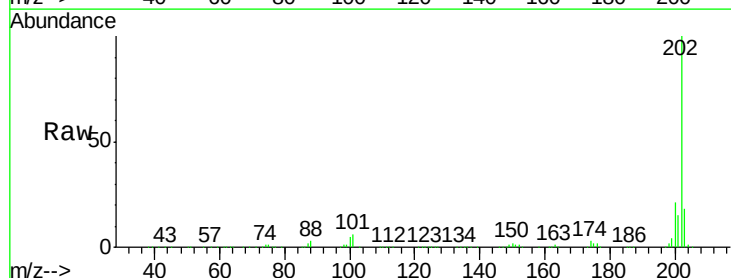
Tgt Ion:202 Resp: 802030

Ion Ratio Lower Upper

202 100

101 6.3 0.0 29.3

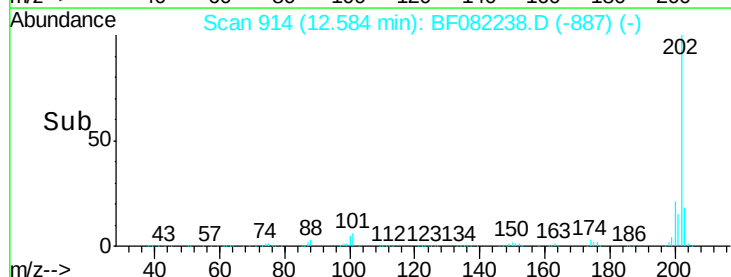
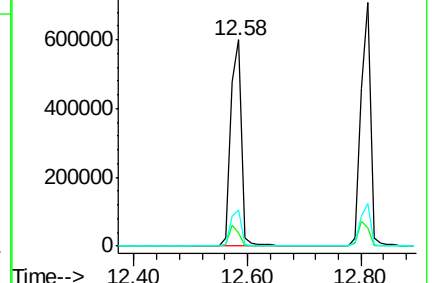
203 17.7 0.0 37.8



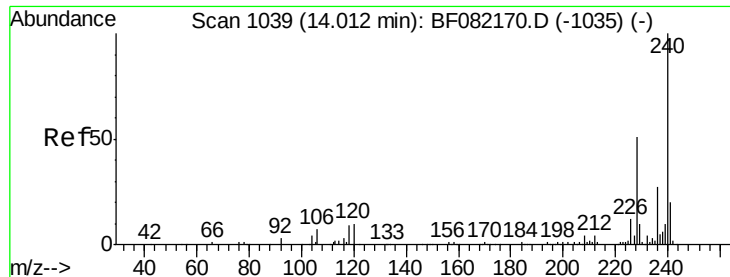
Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

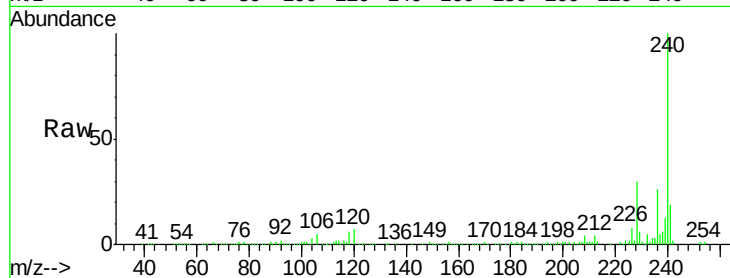
Tot Ion:240 Resp: 228723

Ion Ratio Lower Upper

240 100

120 6.7 8.1 12.1#

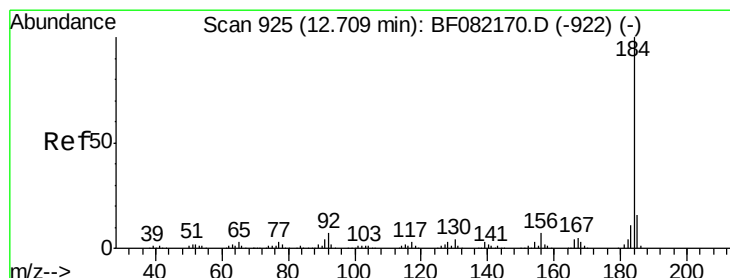
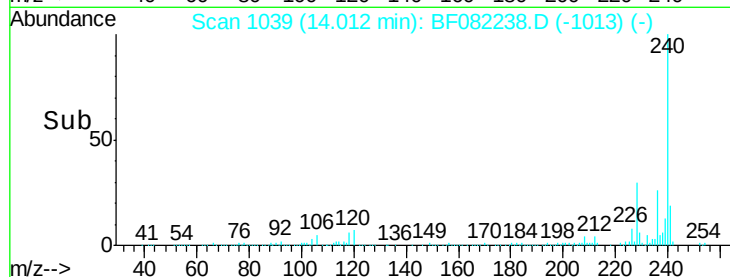
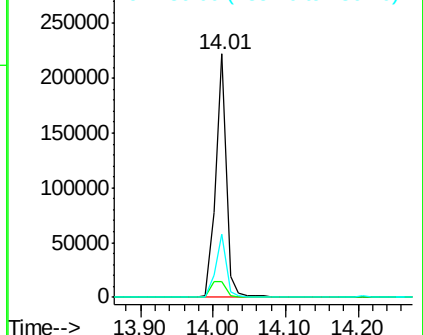
236 26.1 21.3 31.9



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: 29.87 ng

RT: 12.71 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

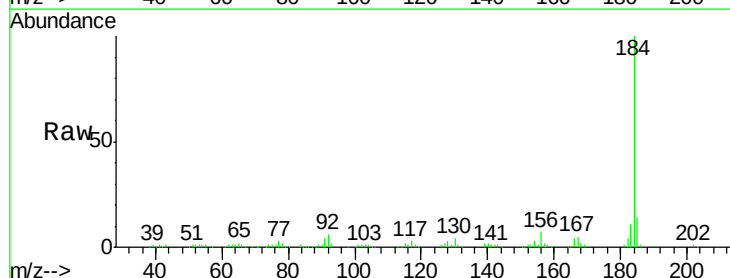
Tgt Ion:184 Resp: 197988

Ion Ratio Lower Upper

184 100

185 14.4 12.5 18.7

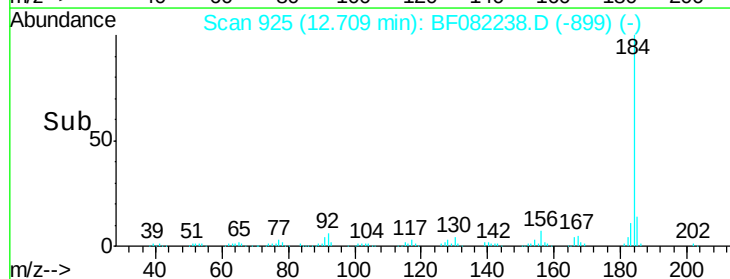
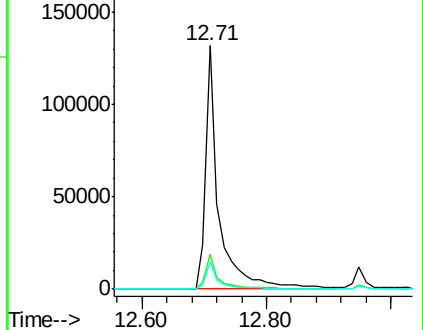
183 11.1 9.1 13.7

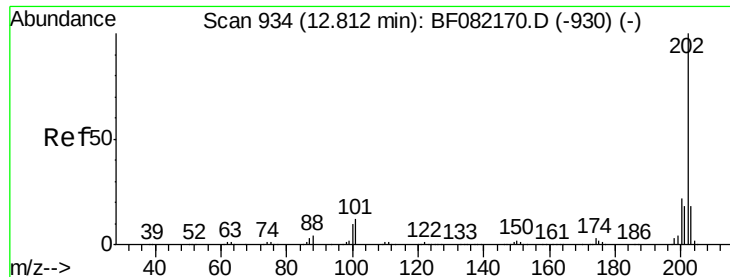


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

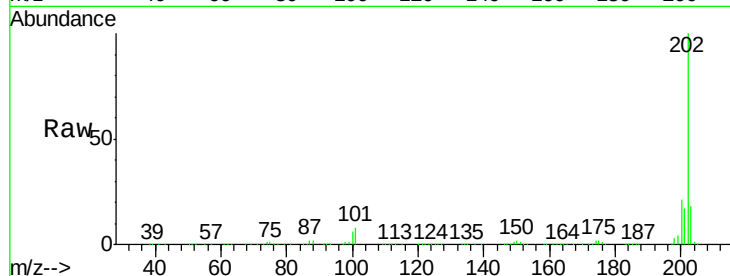




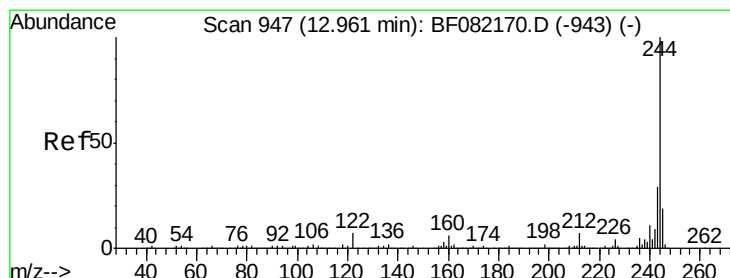
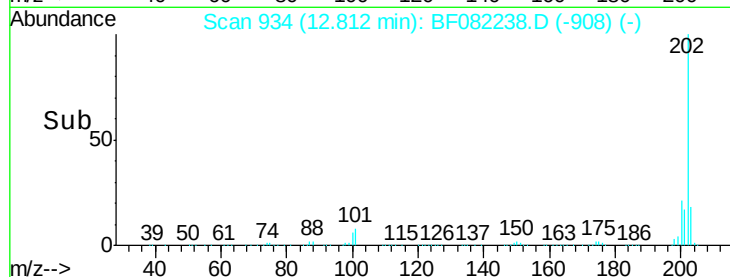
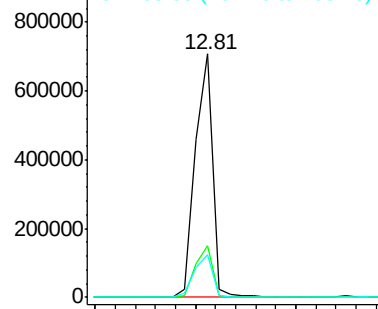
#77  
Pvrene  
Concen: 62.17 ng  
RT: 12.81 min Scan# 934  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.9  | 26.9  |
| 203     | 17.5  | 14.5  | 21.7  |

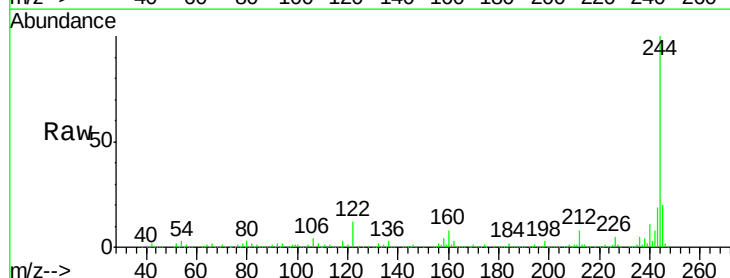


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

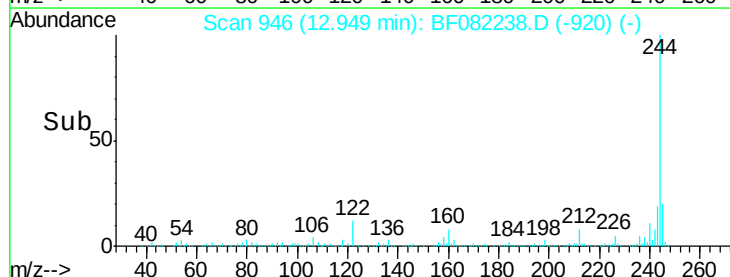
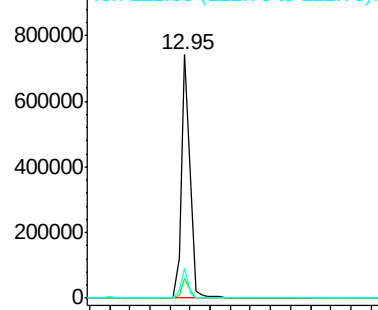


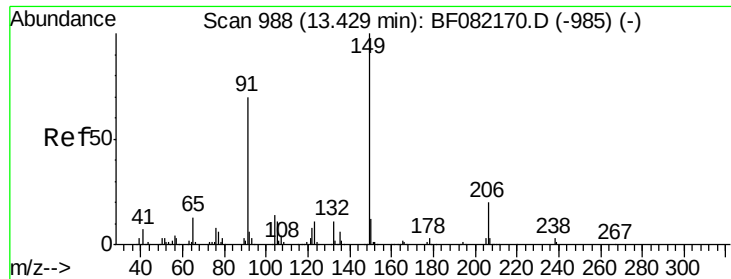
#78  
Terphenyl-d14  
Concen: 101.26 ng  
RT: 12.95 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 5.8   | 8.6   |
| 122     | 12.2  | 5.9   | 8.9   |



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

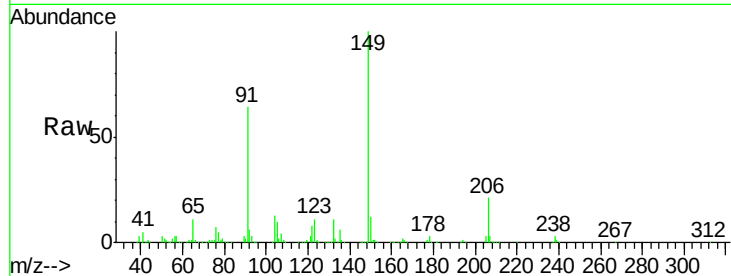




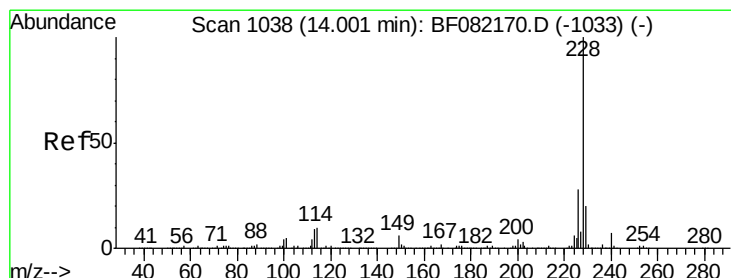
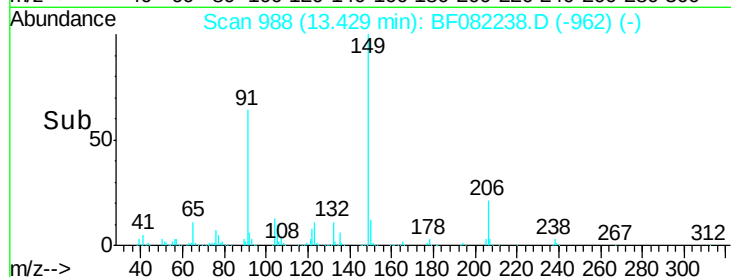
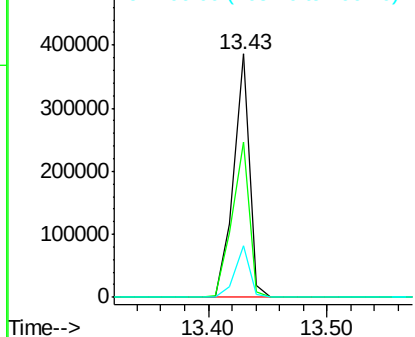
#79  
Butylbenzylphthalate  
Concen: 58.38 ng  
RT: 13.43 min Scan# 988  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(40)MS

Tot Ion:149 Resp: 361654  
Ion Ratio Lower Upper  
149 100  
91 63.9 55.7 83.5  
206 21.1 15.6 23.4

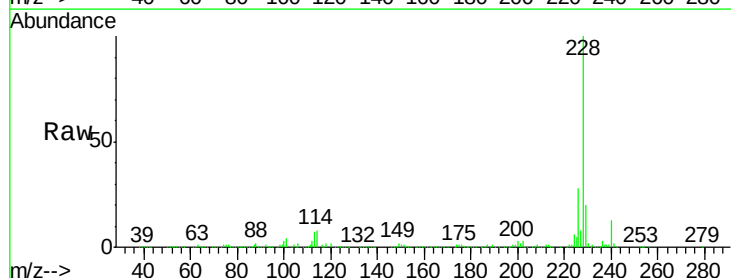


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

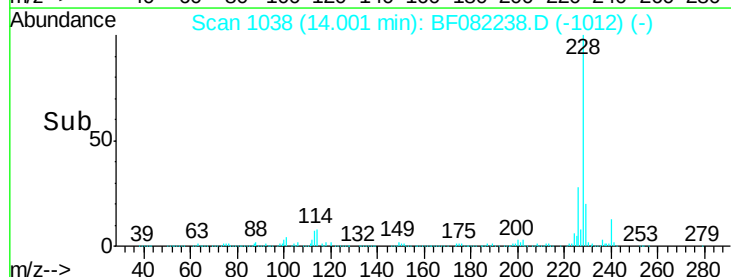
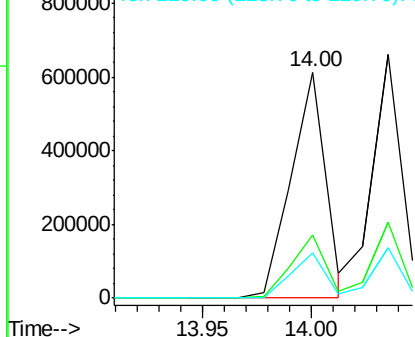


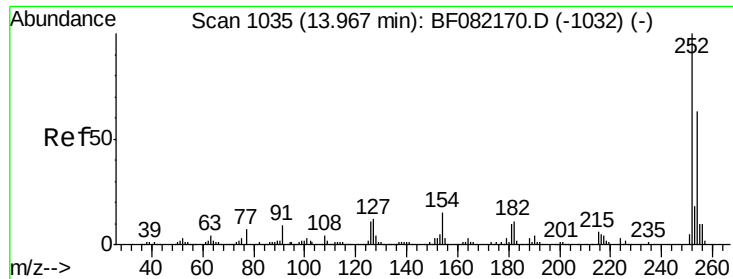
#80  
Benzo(a)anthracene  
Concen: 56.83 ng  
RT: 14.00 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: BF082238.D  
Acq: 13 Oct 2015 2:28

Tgt Ion:228 Resp: 676343  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.3 33.5  
229 20.0 16.2 24.2



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

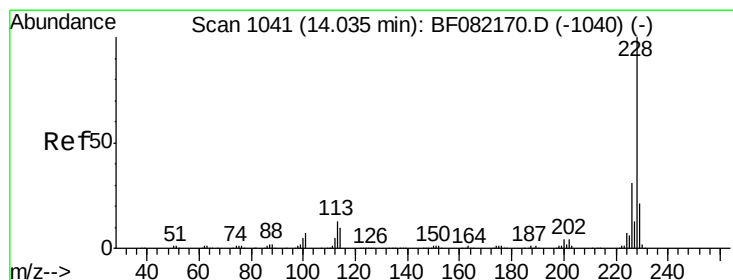
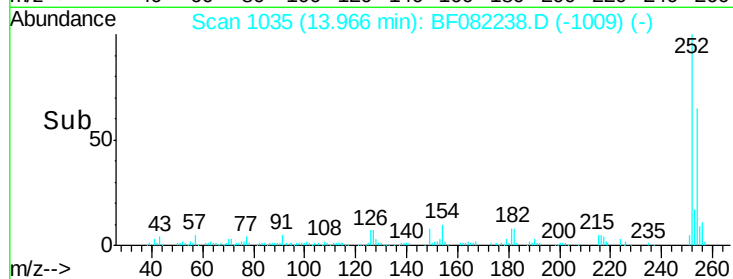
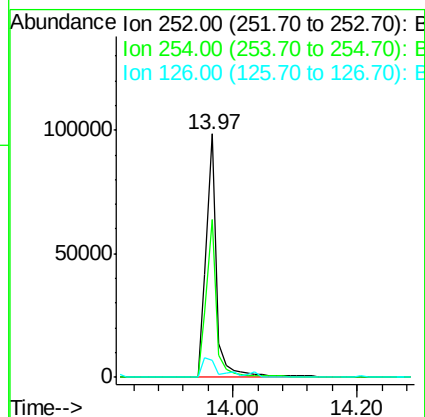
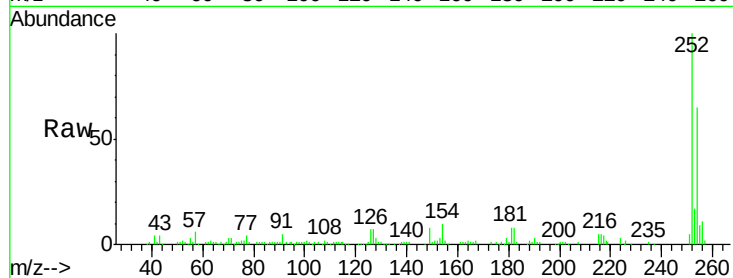




#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.07 ng  
 RT: 13.97 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

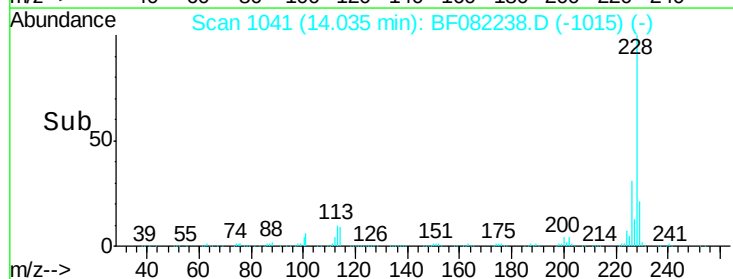
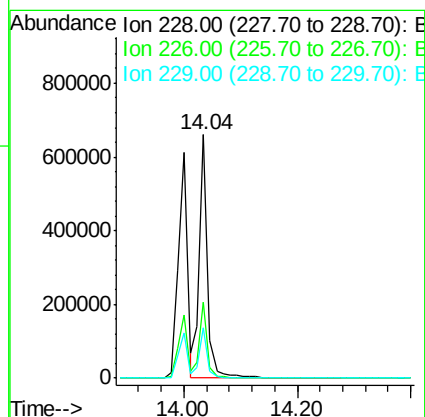
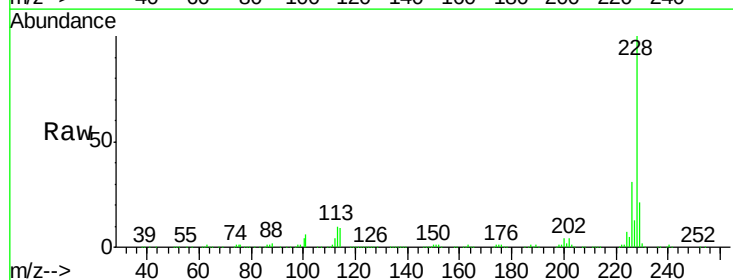
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

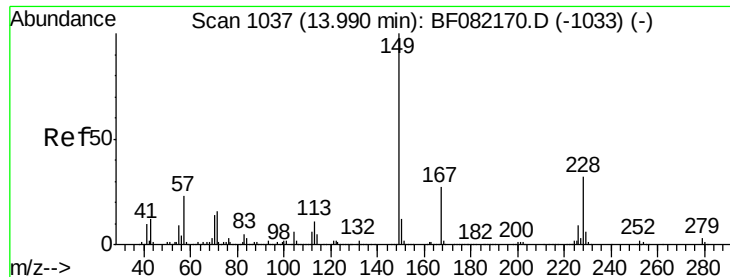
Tot Ion:252 Resp: 117759  
 Ion Ratio Lower Upper  
 252 100  
 254 64.6 50.7 76.1  
 126 7.2 9.0 13.6#



#82  
 Chrysene  
 Concen: 52.94 ng  
 RT: 14.04 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:228 Resp: 663833  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 24.4 36.6  
 229 20.5 16.3 24.5

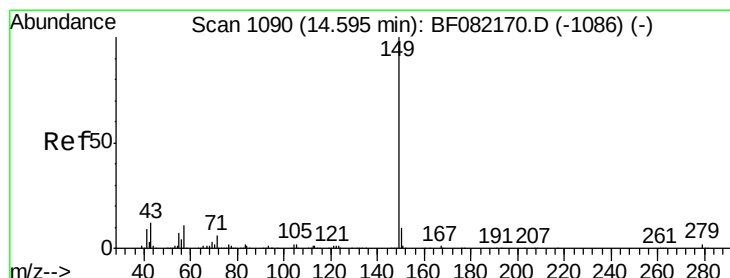
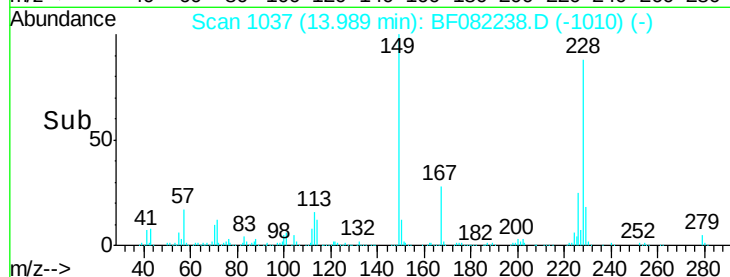
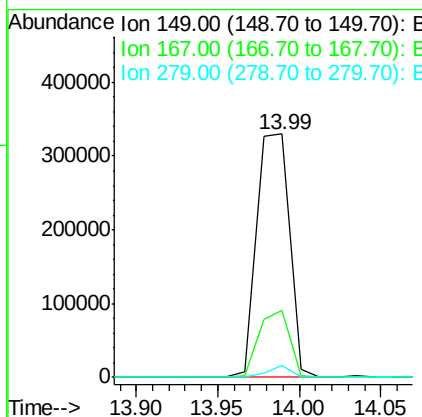
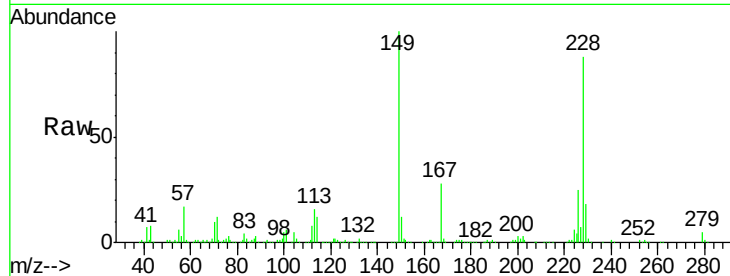




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 52.58 ng  
 RT: 13.99 min Scan# 1037  
 Delta R.T. 0.01 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

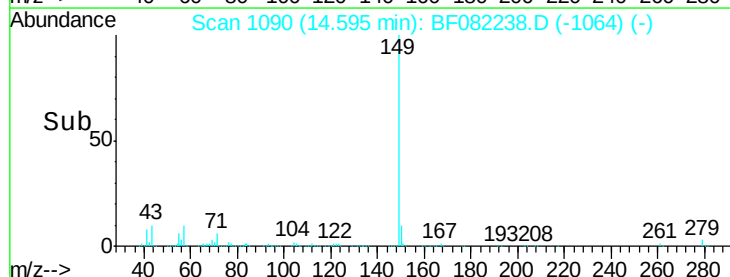
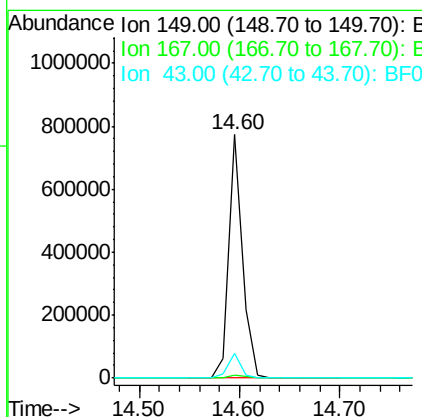
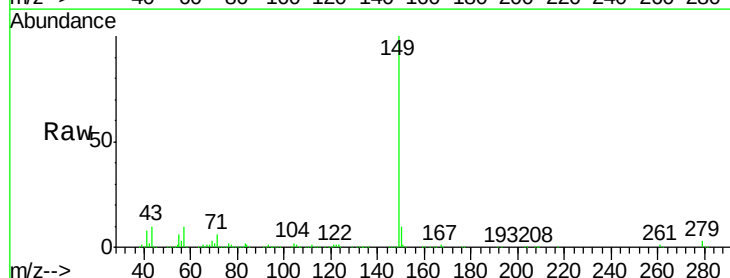
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

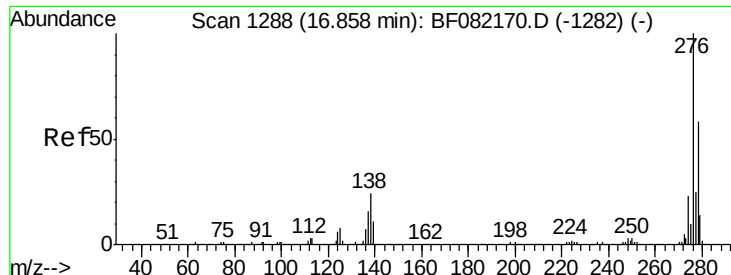
Tot Ion:149 Resp: 464698  
 Ion Ratio Lower Upper  
 149 100  
 167 27.8 21.3 31.9  
 279 5.0 2.6 4.0#



#84  
 Di-n-octyl phthalate  
 Concen: 48.50 ng  
 RT: 14.60 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Tgt Ion:149 Resp: 736156  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.3 1.9  
 43 9.5 7.4 11.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 60.16 ng

RT: 16.86 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

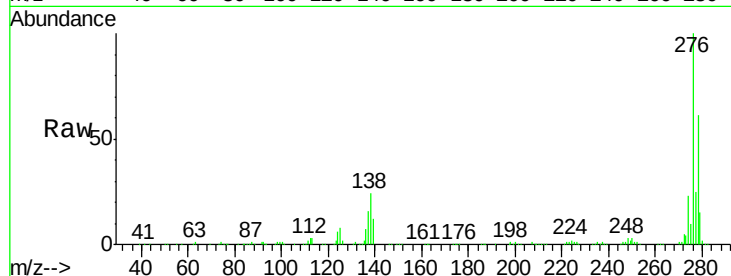
Tot Ion:276 Resp: 599639

Ion Ratio Lower Upper

276 100

138 24.6 19.7 29.5

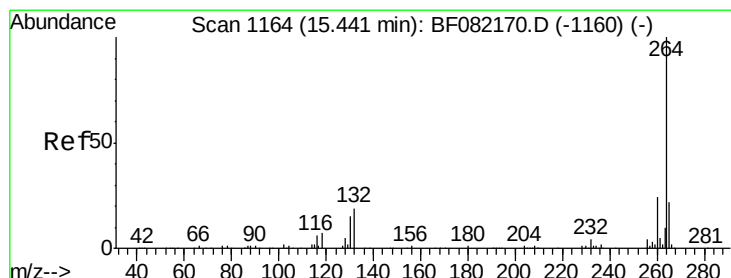
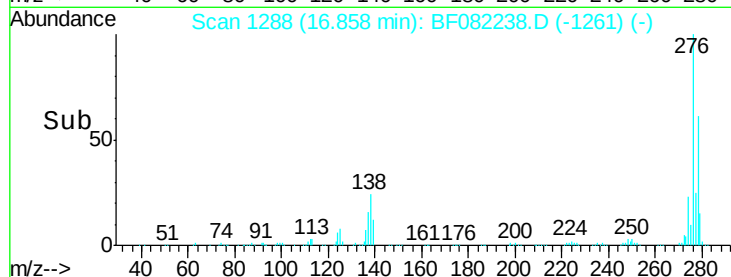
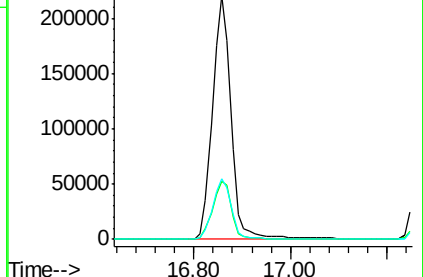
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

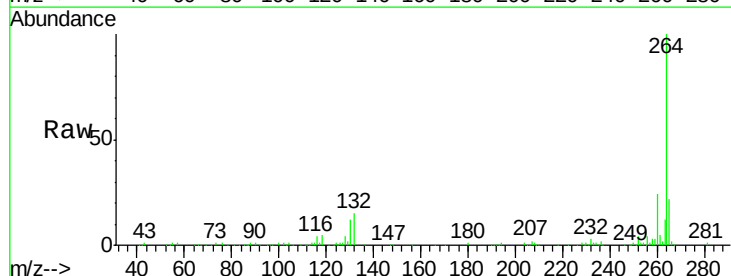
Tgt Ion:264 Resp: 191252

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

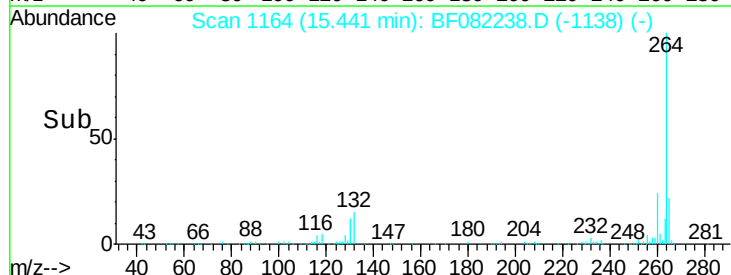
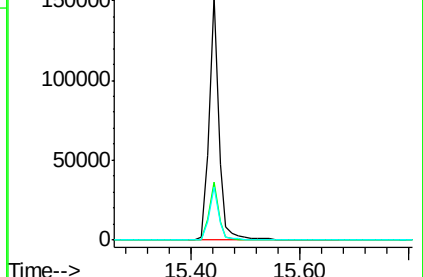
265 21.6 17.3 25.9

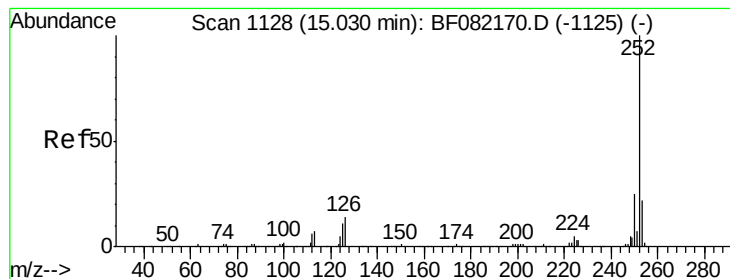


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 102.90 ng

RT: 15.06 min Scan# 1131

Delta R.T. 0.03 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

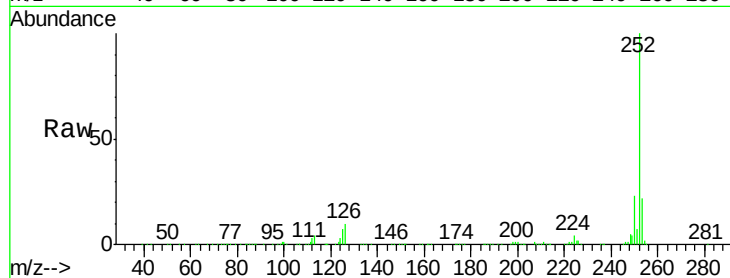
Tot Ion:252 Resp: 1197264

Ion Ratio Lower Upper

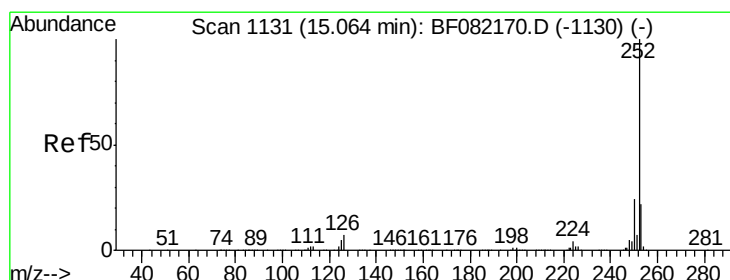
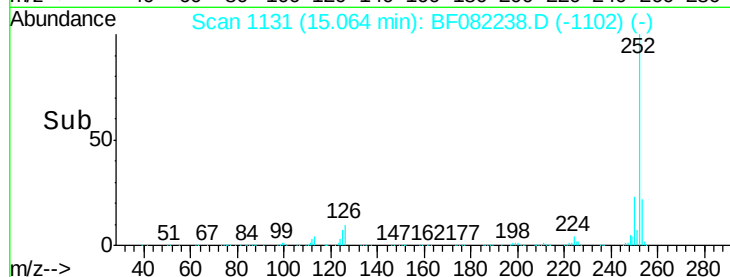
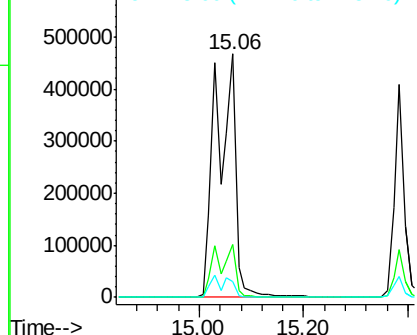
252 100

253 21.7 18.0 27.0

125 6.7 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 122.62 ng

RT: 15.06 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

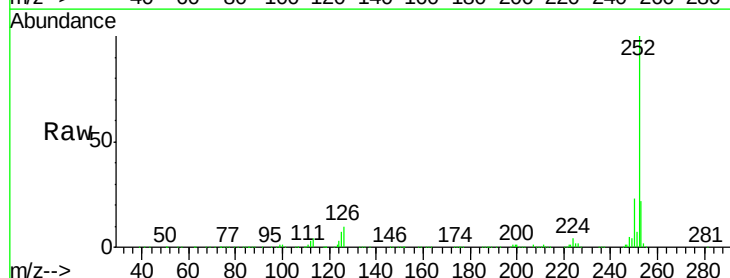
Tgt Ion:252 Resp: 1199271

Ion Ratio Lower Upper

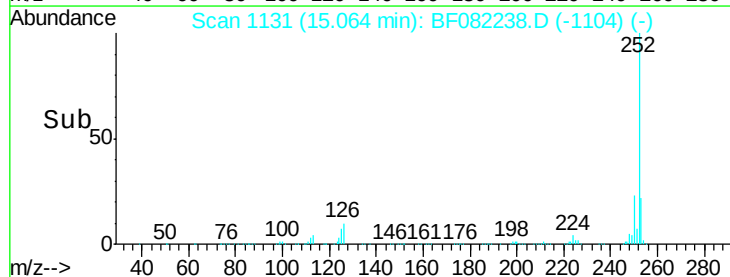
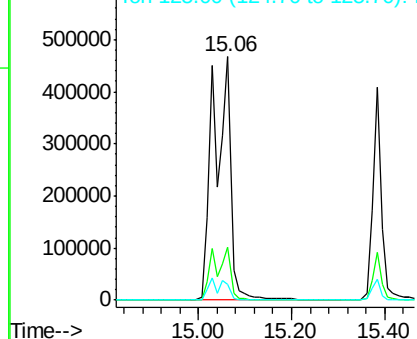
252 100

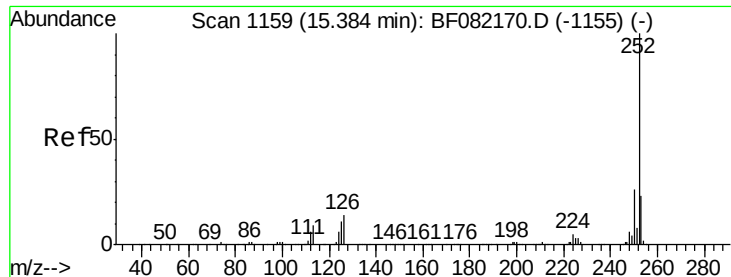
253 21.7 17.8 26.6

125 6.7 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 54.61 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

Instrument :

BNA\_F

ClientSampleId :

TE-PMW(40)MS

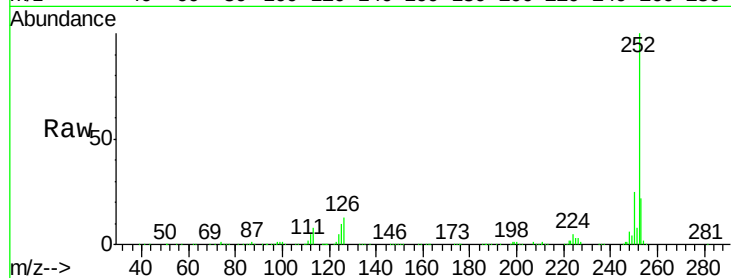
Tot Ion:252 Resp: 546102

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

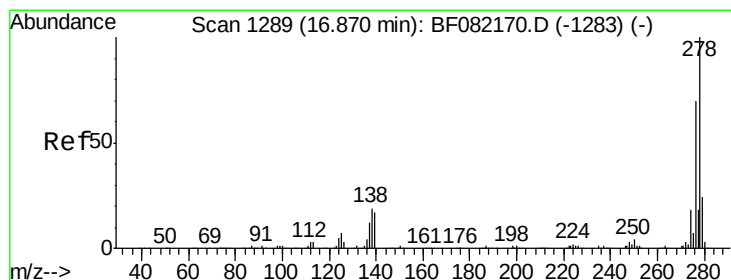
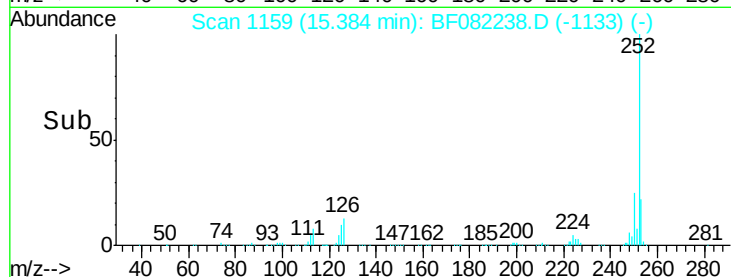
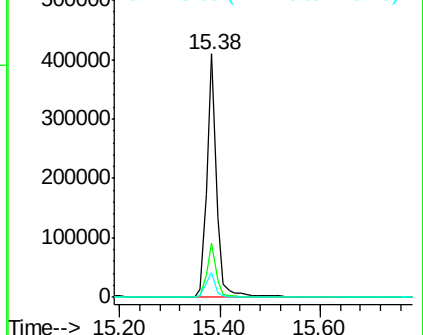
125 10.0 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 60.52 ng

RT: 16.87 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF082238.D

Acq: 13 Oct 2015 2:28

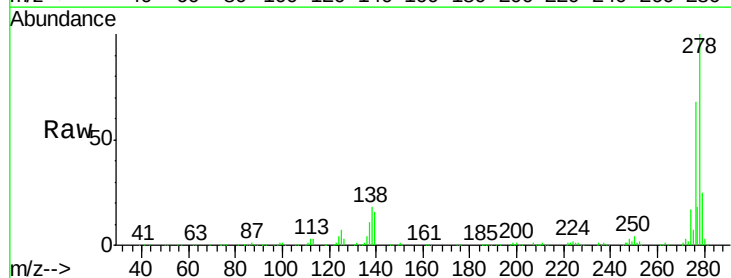
Tgt Ion:278 Resp: 495981

Ion Ratio Lower Upper

278 100

139 16.4 13.3 19.9

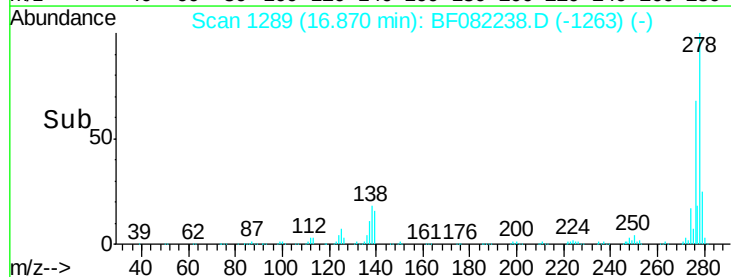
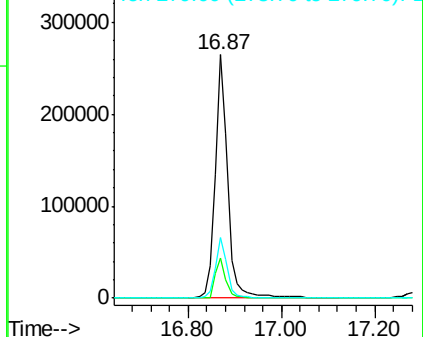
279 24.8 18.9 28.3



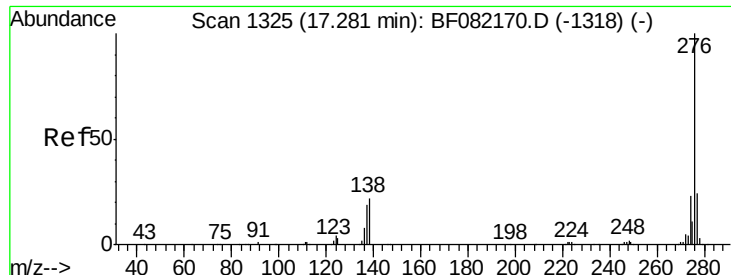
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







#91  
 Benzo(a,h,i)perylene  
 Concen: 63.71 ng  
 RT: 17.28 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: BF082238.D  
 Acq: 13 Oct 2015 2:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(40)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.8  | 28.2  |
| 138     | 22.0  | 17.4  | 26.2  |

