

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081115\  
 Data File : BF080962.D  
 Acq On : 11 Aug 2015 15:25  
 Operator : UM/IZ  
 Sample : PB84904BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Quant Time: Aug 12 00:34:59 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.78  | 152  | 58741    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.08  | 136  | 234442   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.82  | 164  | 103598   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 214417   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.93 | 240  | 179012   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.32 | 264  | 159954   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.39  | 112  | 436048   | 121.29 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 645721   | 131.07 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 406481   | 82.01  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 129402   | 113.70 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 611930   | 83.16  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.89 | 244  | 704528   | 81.29  | ng    | -0.02    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.45 | 88   | 61658    | 36.16 | ng    | 98     |
| 3) Pyridine                    | 3.14 | 79   | 174244   | 36.03 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.09 | 42   | 101317   | 41.04 | ng    | 98     |
| 6) Aniline                     | 6.45 | 93   | 196769   | 27.18 | ng    | 96     |
| 8) 2-Chlorophenol              | 6.57 | 128  | 152880   | 36.75 | ng    | # 80   |
| 9) Benzaldehyde                | 6.33 | 77   | 125172   | 37.69 | ng    | 98     |
| 10) Phenol                     | 6.44 | 94   | 249950   | 42.76 | ng    | 80     |
| 11) bis(2-Chloroethyl)ether    | 6.52 | 93   | 153945   | 35.27 | ng    | 91     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146  | 165951   | 37.59 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146  | 161881   | 35.29 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146  | 143322   | 34.56 | ng    | 99     |
| 15) Benzyl Alcohol             | 6.93 | 79   | 144872   | 35.93 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45   | 291345   | 33.18 | ng    | 98     |
| 17) 2-Methylphenol             | 7.05 | 107  | 122970   | 34.63 | ng    | # 92   |
| 18) Hexachloroethane           | 7.30 | 117  | 61995    | 35.27 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70   | 113962   | 31.65 | ng    | 95     |
| 20) 3+4-Methylphenols          | 7.21 | 107  | 163930   | 36.75 | ng    | # 80   |
| 22) Acetophenone               | 7.20 | 105  | 214515   | 37.34 | ng    | # 96   |
| 24) Nitrobenzene               | 7.37 | 77   | 164314   | 32.20 | ng    | 99     |
| 25) Isophorone                 | 7.62 | 82   | 311235   | 32.65 | ng    | 98     |
| 26) 2-Nitrophenol              | 7.69 | 139  | 75804    | 35.30 | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122  | 147950   | 36.80 | ng    | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93   | 175818   | 30.73 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162  | 111810   | 33.85 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180  | 136133   | 37.70 | ng    | 99     |
| 31) Naphthalene                | 8.09 | 128  | 439152   | 33.98 | ng    | 99     |
| 32) Benzoic acid               | 7.86 | 122  | 85748    | 35.63 | ng    | 88     |
| 33) 4-Chloroaniline            | 8.14 | 127  | 100252   | 19.09 | ng    | 96     |
| 34) Hexachlorobutadiene        | 8.21 | 225  | 70958    | 33.03 | ng    | 98     |
| 35) Caprolactam                | 8.52 | 113  | 29666    | 24.96 | ng    | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107  | 152872   | 37.92 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 8.78 | 142  | 299600   | 36.42 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216  | 120012   | 37.58 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 8.94 | 237  | 160133   | 91.89 | ng    | 96     |

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 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

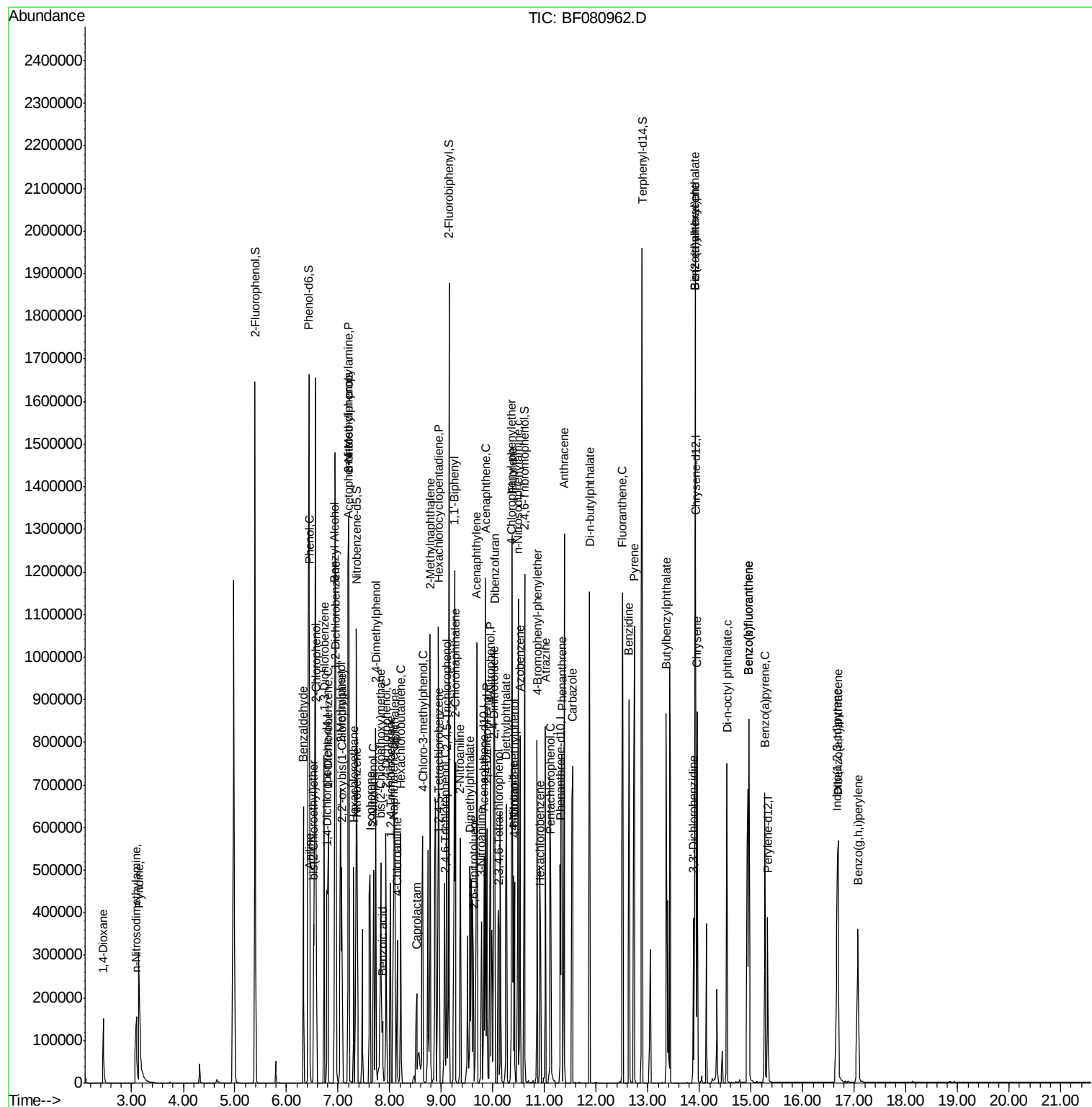
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 92562    | 39.54 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 98152    | 41.61 | nq #  | 87       |
| 45) 1,1'-Biphenyl              | 9.25  | 154  | 393001   | 44.20 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 279539   | 40.33 | nq    | 100      |
| 47) 2-Nitroaniline             | 9.37  | 65   | 103758   | 37.33 | nq    | 95       |
| 48) Acenaphthylene             | 9.69  | 152  | 446670   | 37.06 | nq    | 100      |
| 49) Dimethylphthalate          | 9.56  | 163  | 319281   | 37.10 | nq #  | 97       |
| 50) 2,6-Dinitrotoluene         | 9.62  | 165  | 68785    | 38.69 | nq #  | 51       |
| 51) Acenaphthene               | 9.86  | 154  | 303895   | 41.18 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 47052    | 21.47 | nq    | 100      |
| 53) 2,4-Dinitrophenol          | 9.88  | 184  | 67426    | 63.78 | nq #  | 58       |
| 54) Dibenzofuran               | 10.03 | 168  | 380623   | 38.14 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.95  | 139  | 131425   | 80.11 | nq #  | 66       |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 99176    | 41.69 | nq #  | 75       |
| 57) Fluorene                   | 10.37 | 166  | 313519   | 40.61 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.11 | 232  | 71305    | 38.20 | nq    | 99       |
| 59) Diethylphthalate           | 10.26 | 149  | 331125   | 36.97 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204  | 124538   | 33.11 | nq    | 97       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 76213    | 33.79 | nq    | 97       |
| 62) Azobenzene                 | 10.52 | 77   | 361063   | 36.05 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 43540    | 32.77 | nq #  | 63       |
| 65) n-Nitrosodiphenylamine     | 10.49 | 169  | 273682   | 36.74 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.85 | 248  | 84466    | 37.19 | nq    | 99       |
| 67) Hexachlorobenzene          | 10.92 | 284  | 93852    | 37.17 | nq    | 97       |
| 68) Atrazine                   | 11.01 | 200  | 79579    | 36.44 | nq    | 98       |
| 69) Pentachlorophenol          | 11.12 | 266  | 108303   | 73.77 | nq    | 96       |
| 70) Phenanthrene               | 11.33 | 178  | 444212   | 36.59 | nq    | 99       |
| 71) Anthracene                 | 11.38 | 178  | 457547   | 38.06 | nq    | 100      |
| 72) Carbazole                  | 11.54 | 167  | 452321   | 38.65 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 507985   | 34.71 | nq    | 100      |
| 74) Fluoranthene               | 12.51 | 202  | 536468   | 40.87 | nq    | 97       |
| 76) Benzidine                  | 12.64 | 184  | 331260   | 45.96 | nq    | 98       |
| 77) Pyrene                     | 12.74 | 202  | 578875   | 43.77 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.36 | 149  | 215404   | 33.79 | nq #  | 63       |
| 80) Benzo(a)anthracene         | 13.92 | 228  | 424704   | 37.56 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.88 | 252  | 73186    | 17.79 | nq #  | 96       |
| 82) Chrysene                   | 13.95 | 228  | 398779   | 36.83 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149  | 308125   | 34.74 | nq #  | 95       |
| 84) Di-n-octyl phthalate       | 14.53 | 149  | 509563   | 33.88 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.67 | 276  | 374865   | 36.38 | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 14.96 | 252  | 781586   | 70.27 | nq #  | 97       |
| 88) Benzo(k)fluoranthene       | 14.96 | 252  | 781586   | 80.32 | nq    | 100      |
| 89) Benzo(a)pyrene             | 15.27 | 252  | 355222   | 37.16 | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 16.68 | 278  | 310531   | 36.73 | nq    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.07 | 276  | 305880   | 37.19 | nq    | 96       |

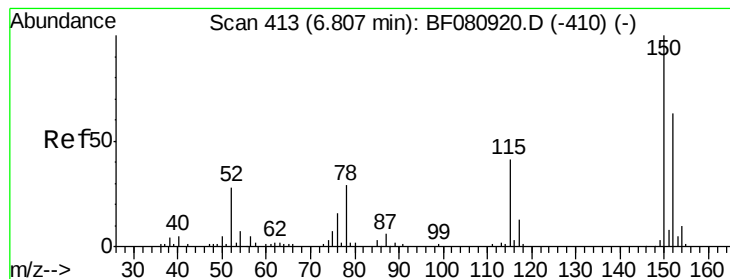
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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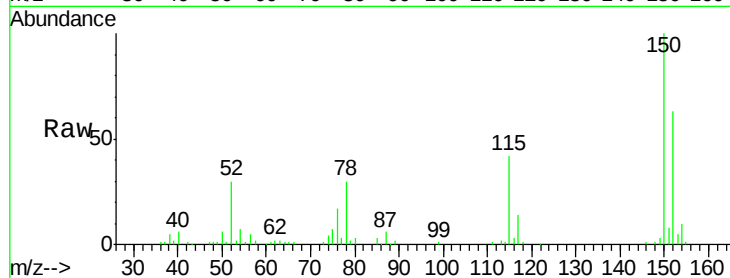


#1

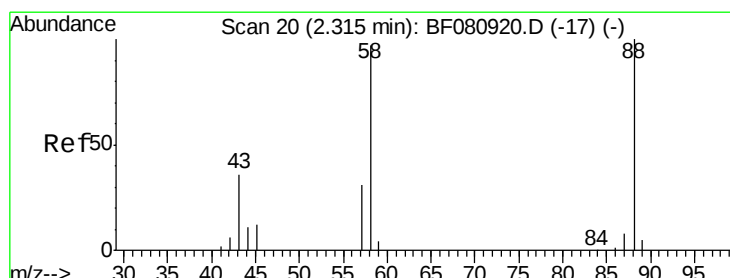
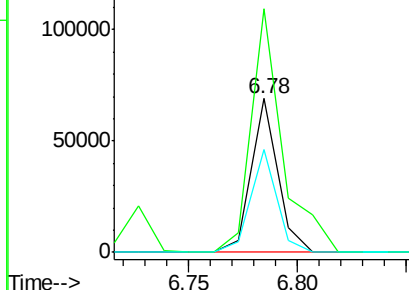
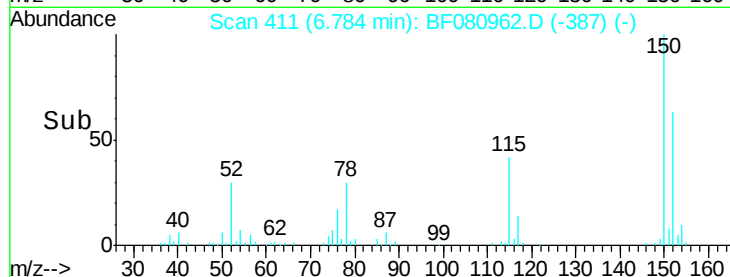
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.78 min Scan# 411  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Instrument :  
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PB84904BS

Tot Ion:152 Resp: 58741  
Ion Ratio Lower Upper  
152 100  
150 158.6 127.4 191.2  
115 67.3 52.6 78.8



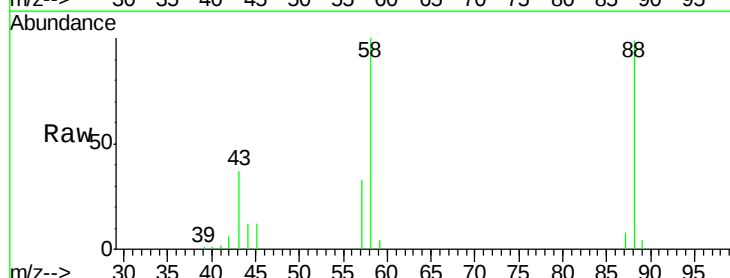
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



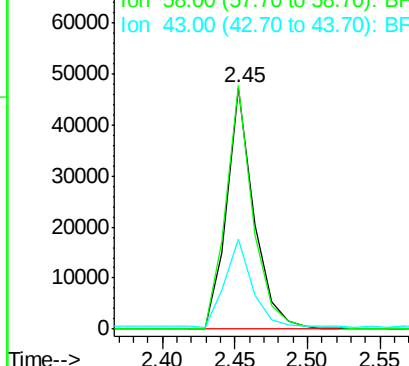
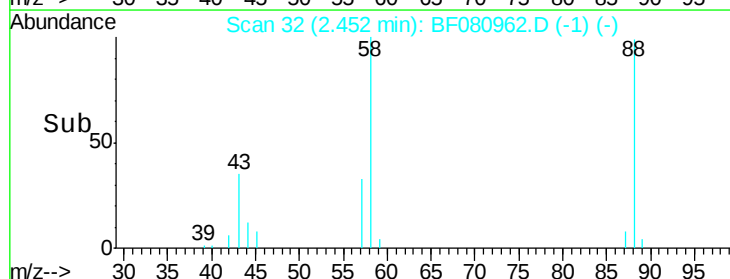
#2

1,4-Dioxane  
Concen: 36.16 ng  
RT: 2.45 min Scan# 32  
Delta R.T. 0.14 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion: 88 Resp: 61658  
Ion Ratio Lower Upper  
88 100  
58 100.7 79.3 118.9  
43 37.8 28.3 42.5



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: 36.03 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.11 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

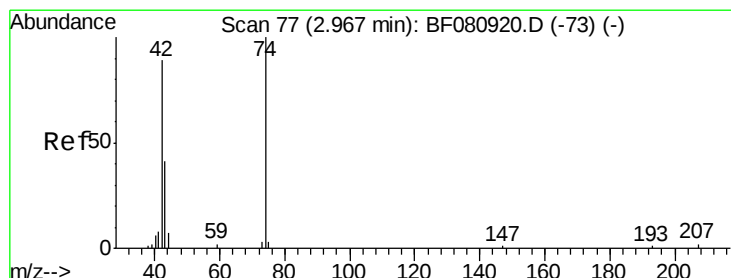
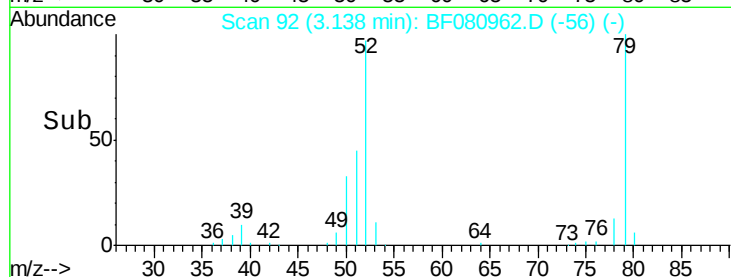
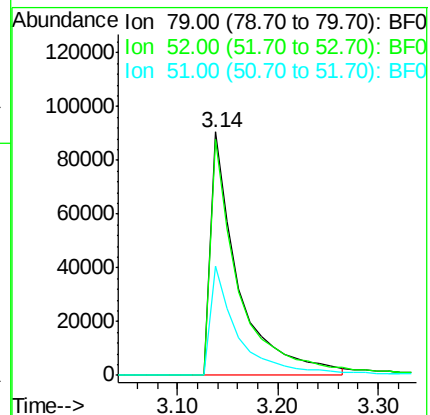
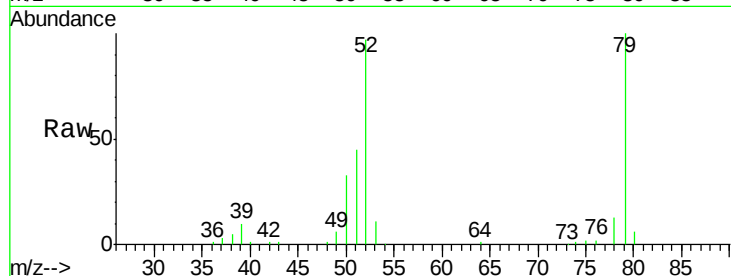
Tot Ion: 79 Resp: 174244

Ion Ratio Lower Upper

79 100

52 96.8 77.2 115.8

51 44.8 35.0 52.4



#4

n-Nitrosodimethylamine

Concen: 41.04 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.13 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

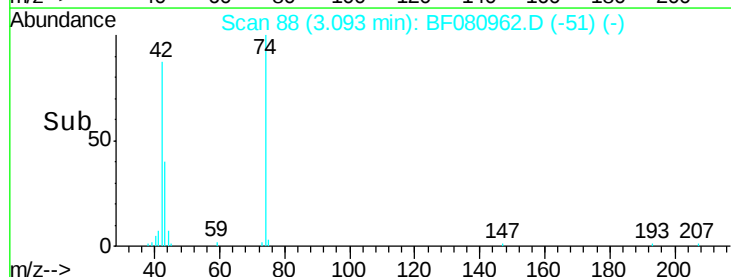
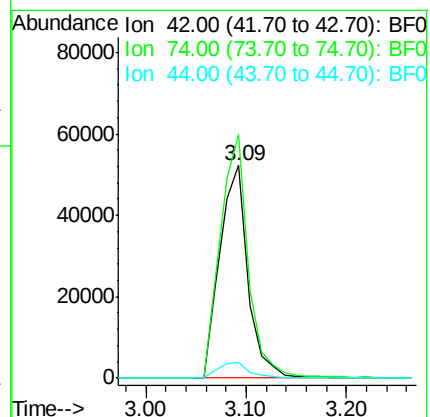
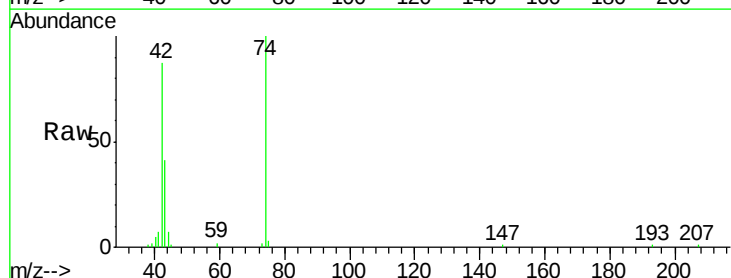
Tgt Ion: 42 Resp: 101317

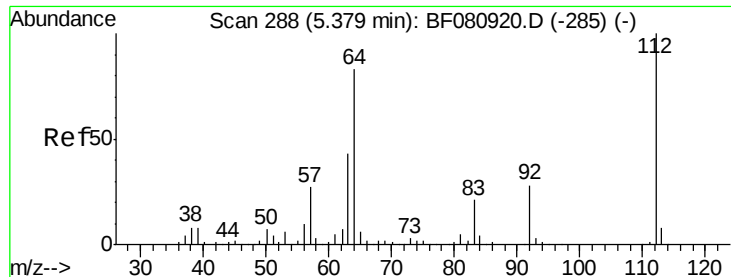
Ion Ratio Lower Upper

42 100

74 114.6 89.8 134.8

44 7.5 6.5 9.7





#5

2-Fluorophenol

Concen: 121.29 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

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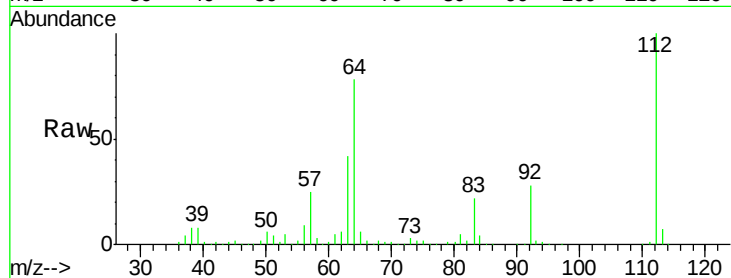
Tot Ion:112 Resp: 436048

Ion Ratio Lower Upper

112 100

64 78.1 66.1 99.1

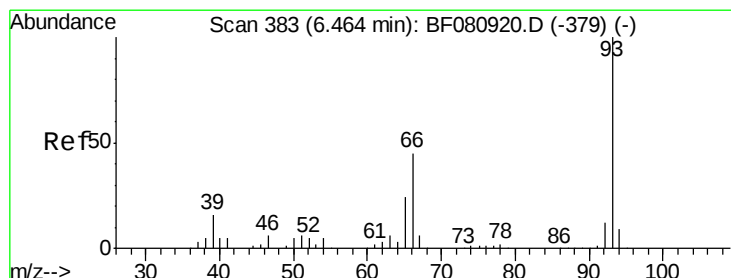
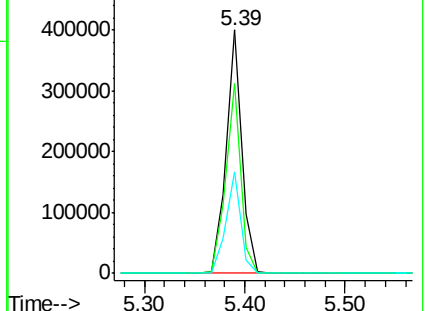
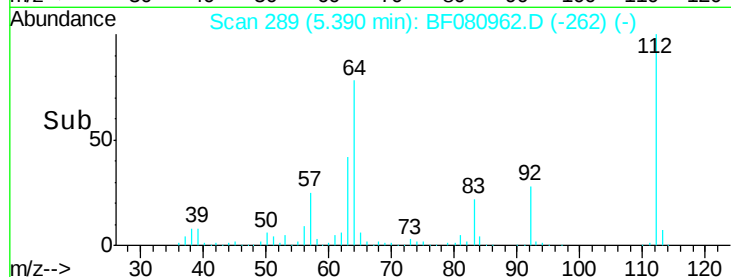
63 41.6 34.6 52.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.18 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

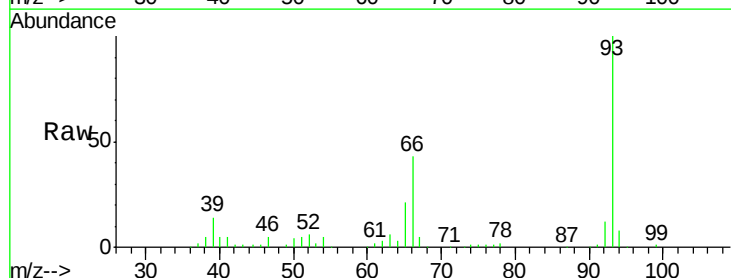
Tgt Ion: 93 Resp: 196769

Ion Ratio Lower Upper

93 100

66 42.9 36.2 54.4

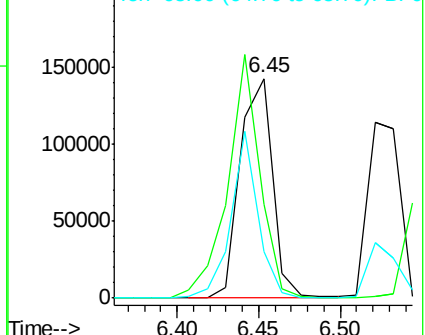
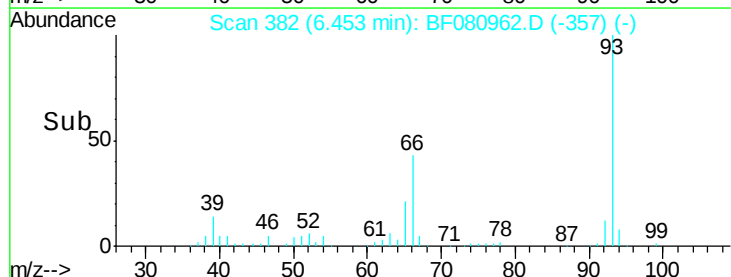
65 21.4 19.0 28.4

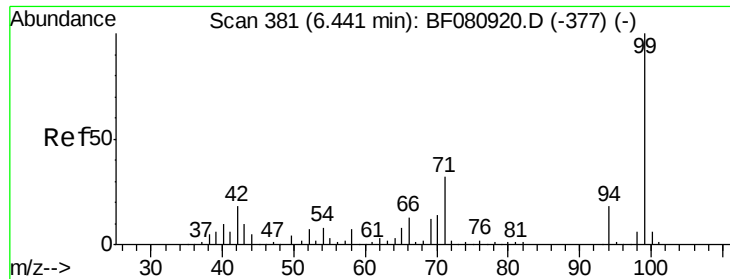


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 131.07 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

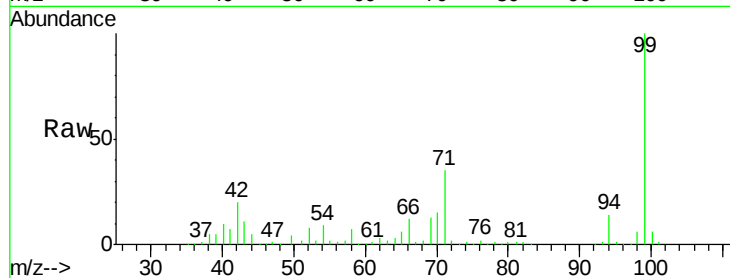
Tot Ion: 99 Resp: 645721

Ion Ratio Lower Upper

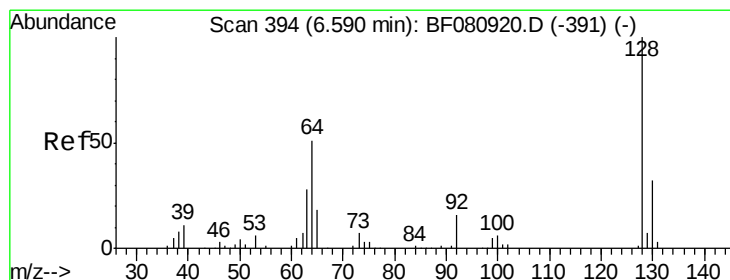
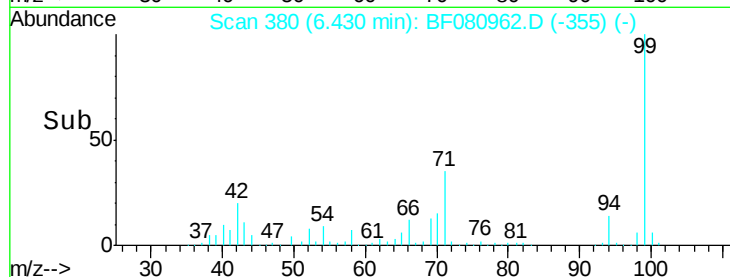
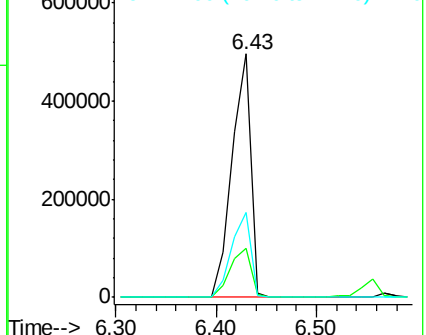
99 100

42 20.1 14.4 21.6

71 35.1 25.8 38.8



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: 36.75 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

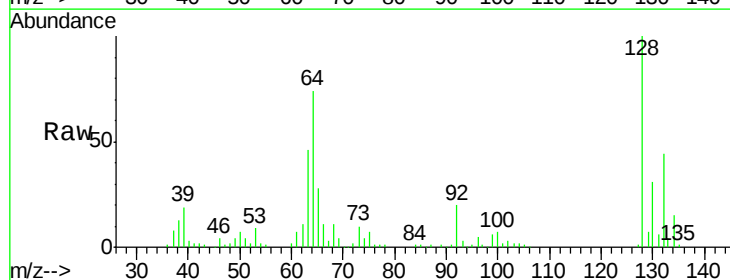
Tgt Ion: 128 Resp: 152880

Ion Ratio Lower Upper

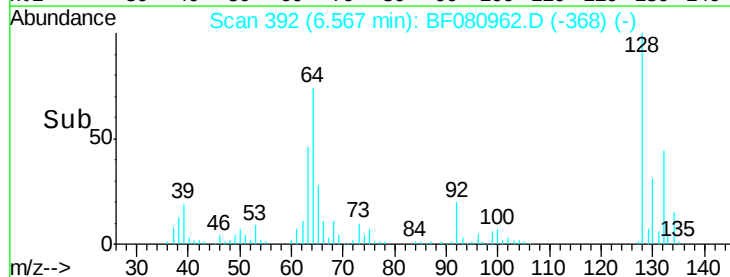
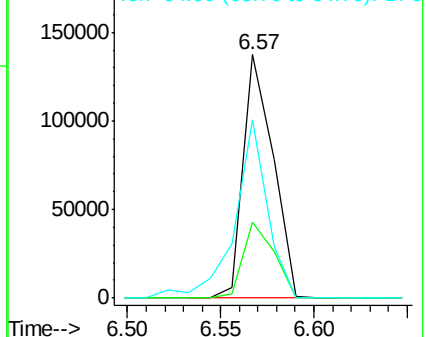
128 100

130 31.0 12.4 52.4

64 73.5 32.1 72.1#



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

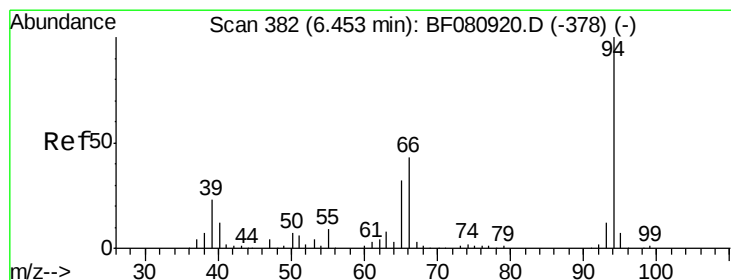
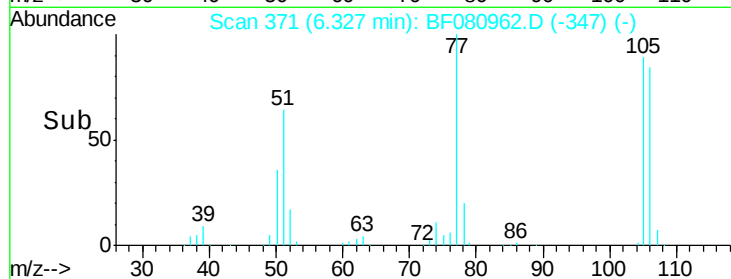
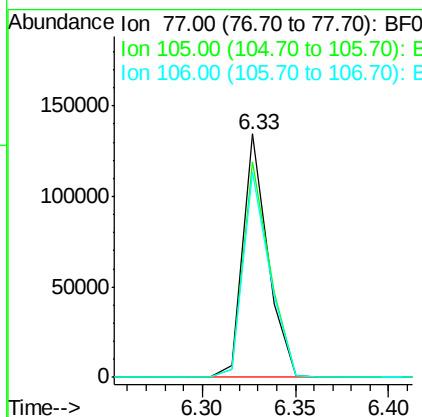
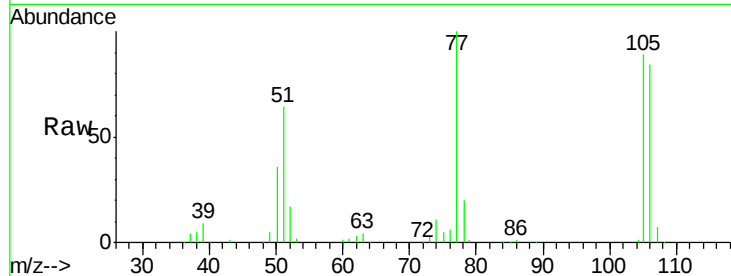




#9  
Benzaldehyde  
Concen: 37.69 ng  
RT: 6.33 min Scan# 371  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

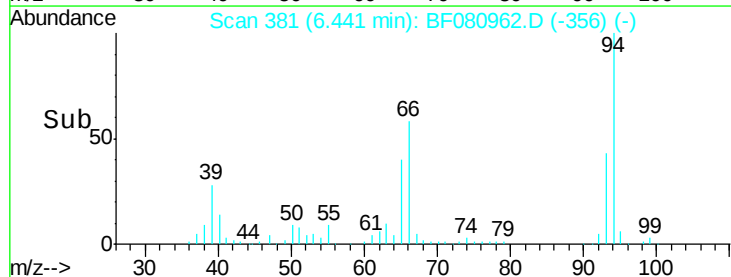
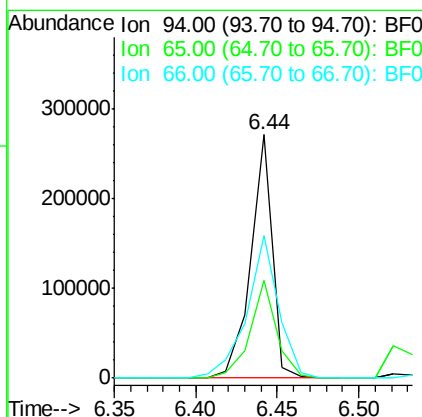
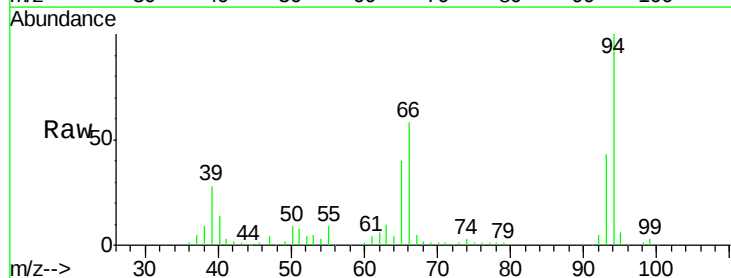
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

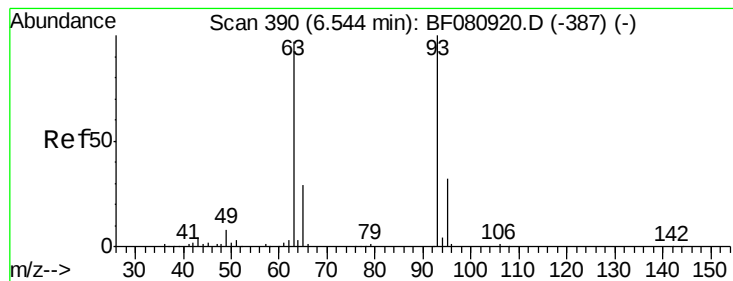
Tot Ion: 77 Resp: 125172  
Ion Ratio Lower Upper  
77 100  
105 88.6 71.6 111.6  
106 84.5 65.7 105.7



#10  
Phenol  
Concen: 42.76 ng  
RT: 6.44 min Scan# 381  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion: 94 Resp: 249950  
Ion Ratio Lower Upper  
94 100  
65 39.9 11.8 51.8  
66 58.4 22.9 62.9

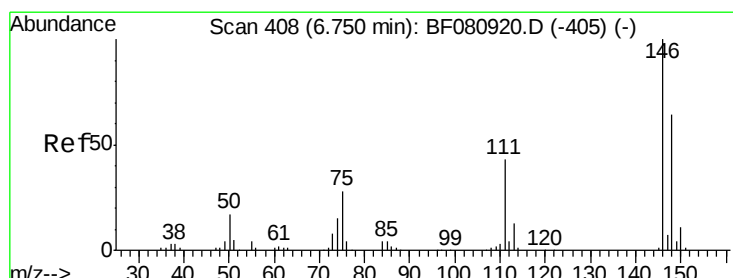
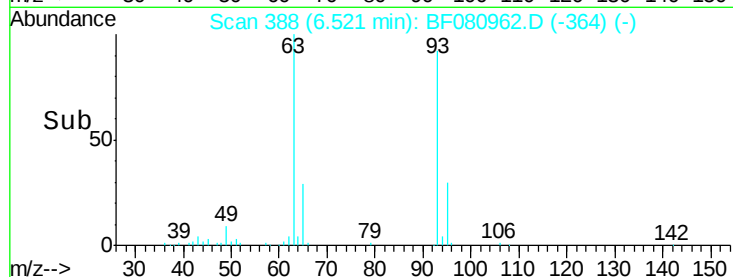
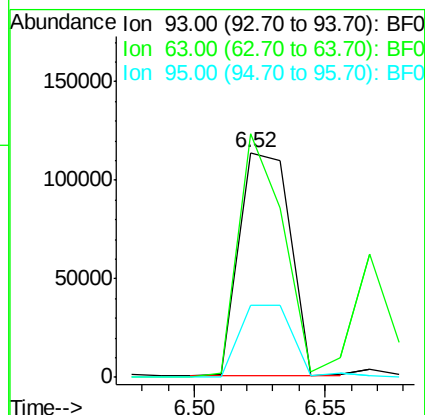
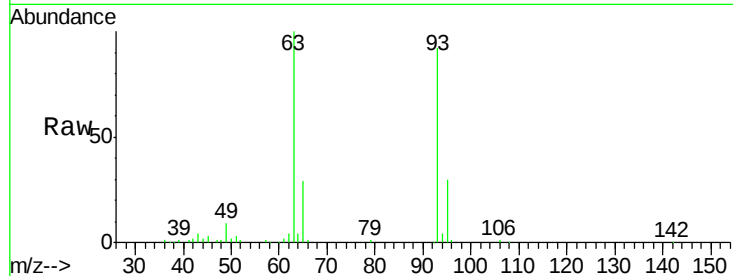




#11  
 bis(2-Chloroethyl)ether  
 Concen: 35.27 ng  
 RT: 6.52 min Scan# 388  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

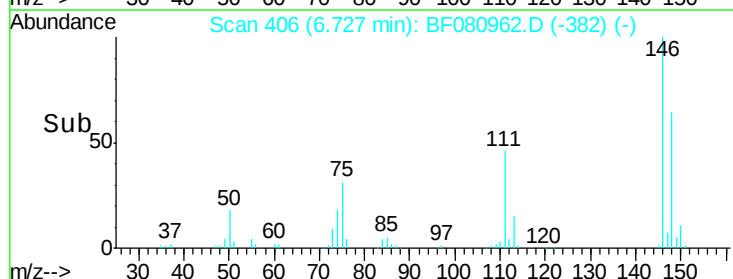
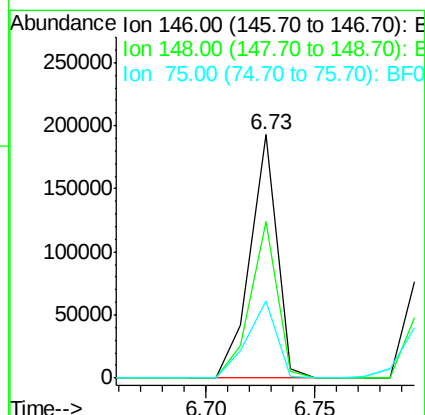
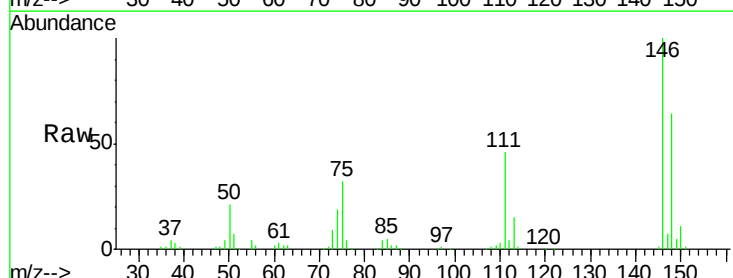
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Tot Ion: 93 Resp: 153945  
 Ion Ratio Lower Upper  
 93 100  
 63 108.3 76.7 116.7  
 95 32.2 12.3 52.3



#12  
 1,3-Dichlorobenzene  
 Concen: 37.59 ng  
 RT: 6.73 min Scan# 406  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion: 146 Resp: 165951  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 51.4 77.0  
 75 31.7 22.2 33.4

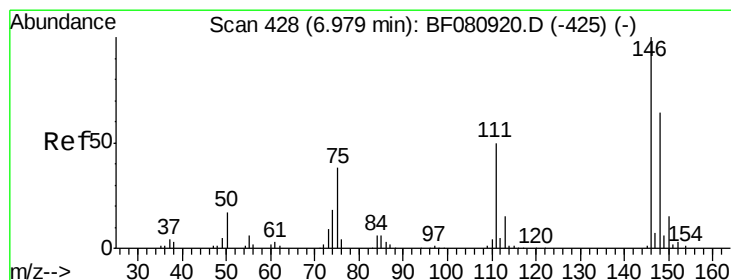
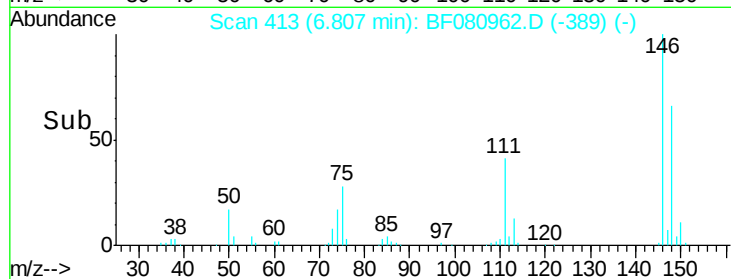
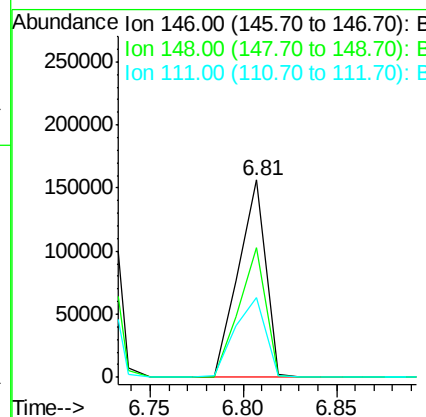
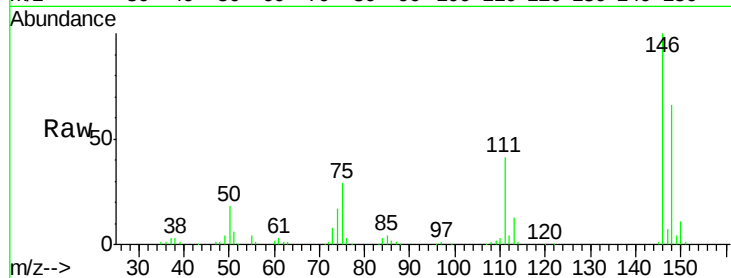




#13  
 1,4-Dichlorobenzene  
 Concen: 35.29 ng  
 RT: 6.81 min Scan# 413  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

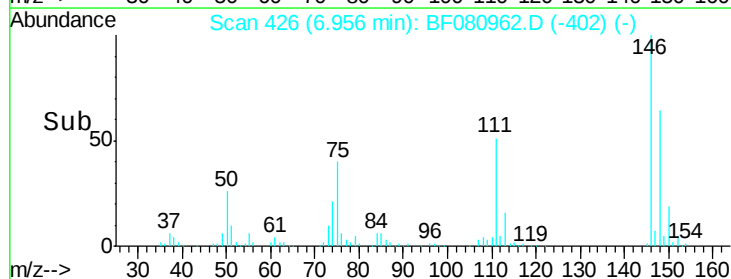
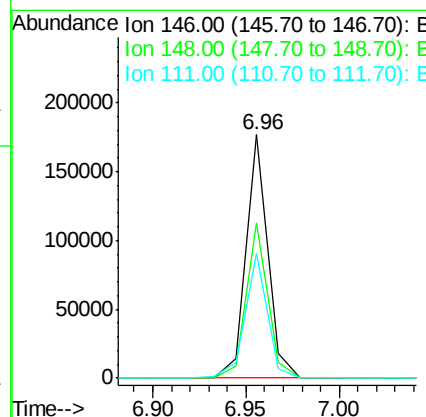
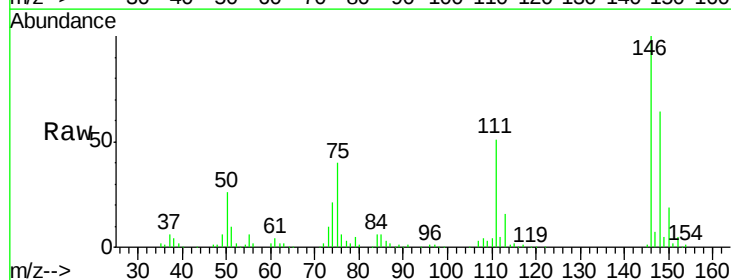
Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB84904BS

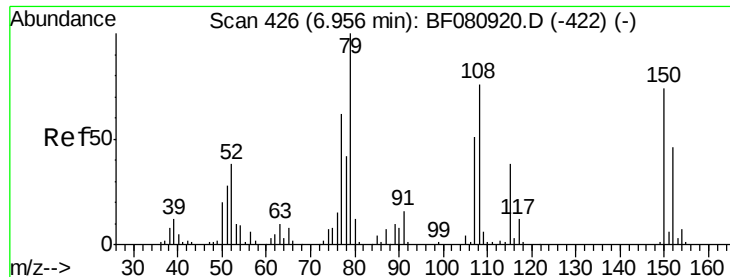
Tot Ion:146 Resp: 161881  
 Ion Ratio Lower Upper  
 146 100  
 148 65.9 52.2 78.4  
 111 40.7 31.5 47.3



#14  
 1,2-Dichlorobenzene  
 Concen: 34.56 ng  
 RT: 6.96 min Scan# 426  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:146 Resp: 143322  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 51.1 76.7  
 111 51.3 40.0 60.0





#15

Benzyl Alcohol

Concen: 35.93 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleID :

PB84904BS

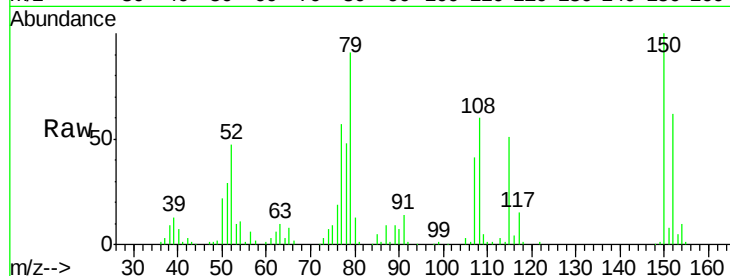
Tot Ion: 79 Resp: 144872

Ion Ratio Lower Upper

79 100

108 65.3 60.9 91.3

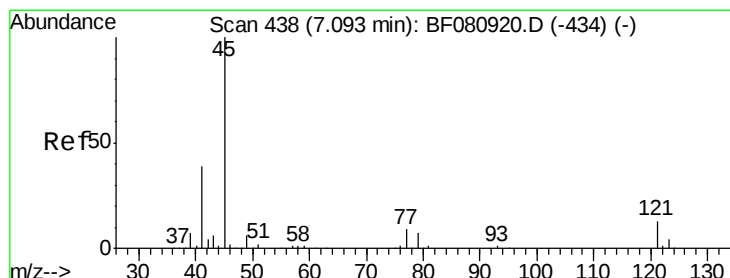
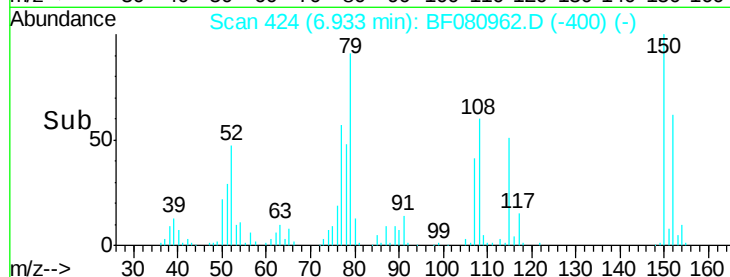
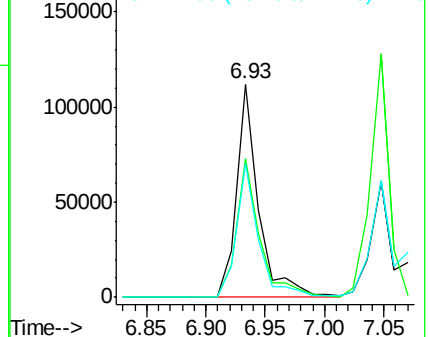
77 62.8 49.4 74.0



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: 33.18 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

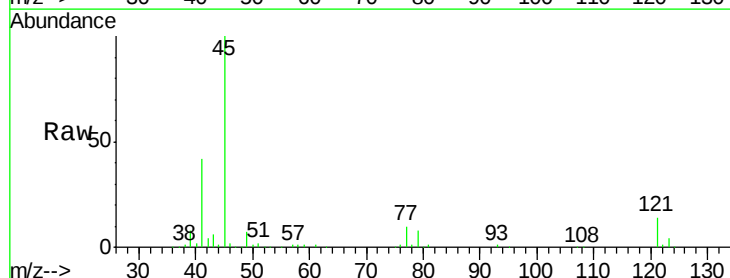
Tgt Ion: 45 Resp: 291345

Ion Ratio Lower Upper

45 100

77 10.4 0.0 29.6

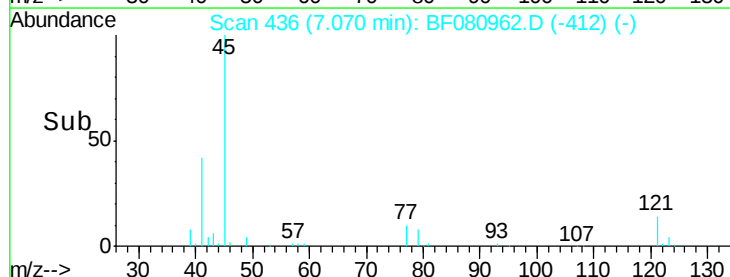
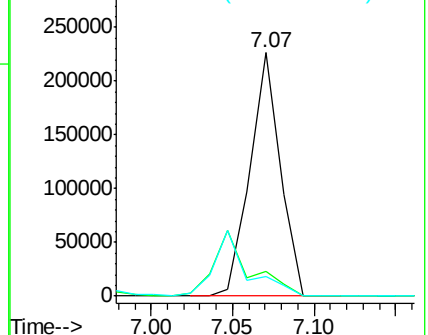
79 8.0 0.0 27.7

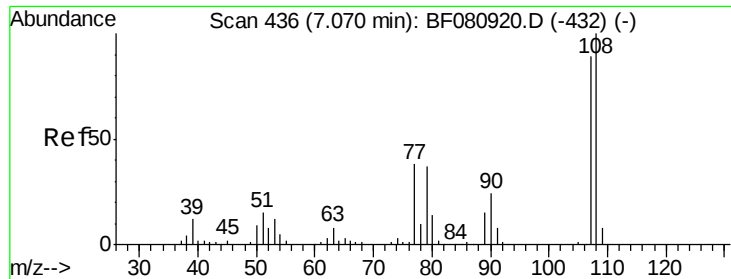


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 34.63 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

Tot Ion:107 Resp: 122970

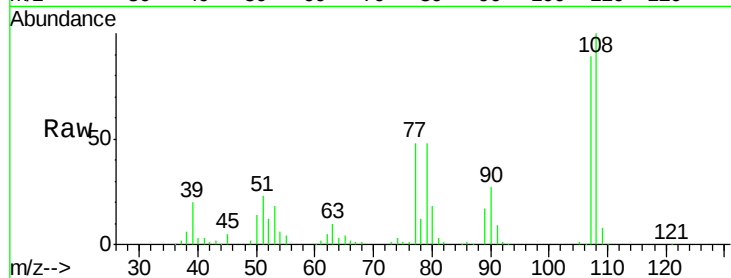
Ion Ratio Lower Upper

107 100

108 111.9 90.3 135.5

77 53.8 34.6 51.8#

79 53.2 33.6 50.4#

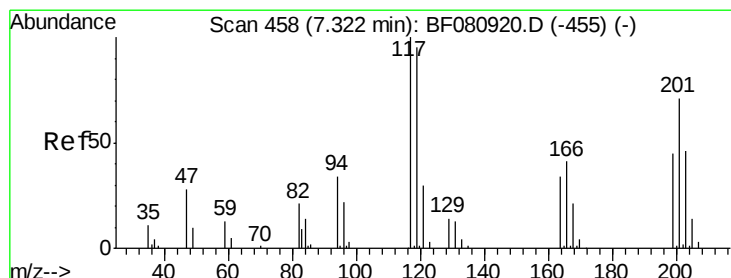
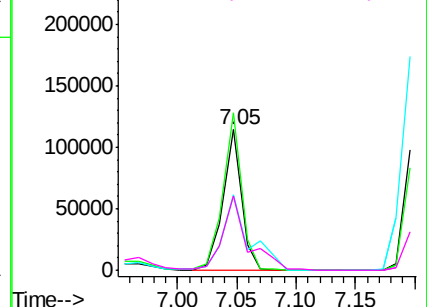
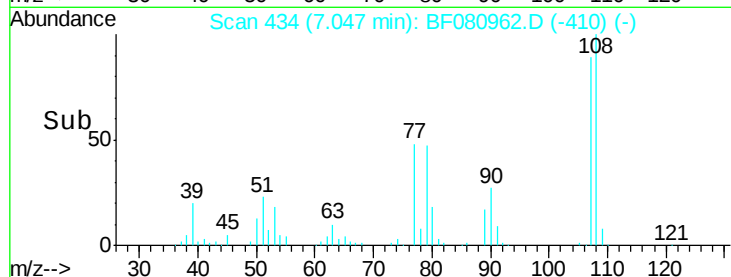


Abundance Ion 107.00 (106.70 to 107.70): E

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: 35.27 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

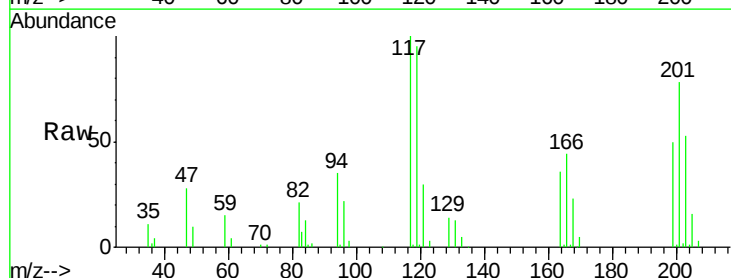
Tgt Ion:117 Resp: 61995

Ion Ratio Lower Upper

117 100

119 94.7 76.3 114.5

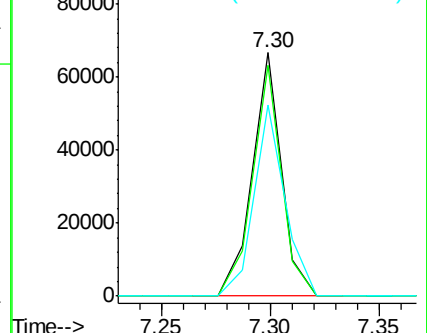
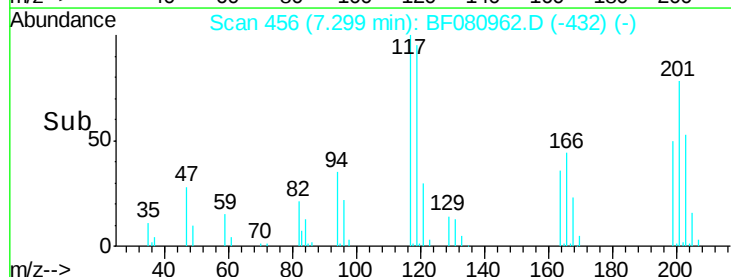
201 78.4 57.0 85.6

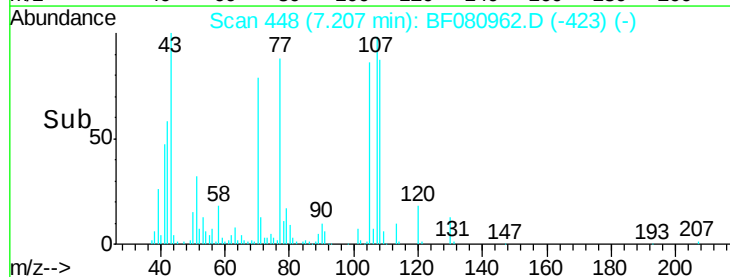
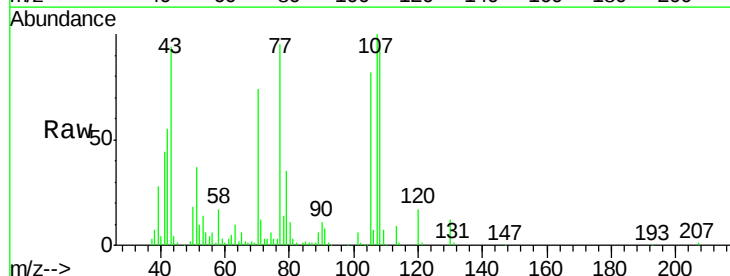
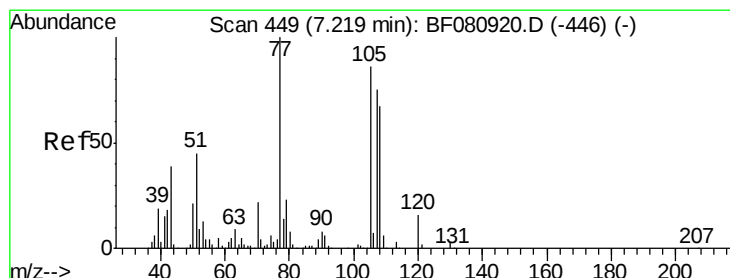
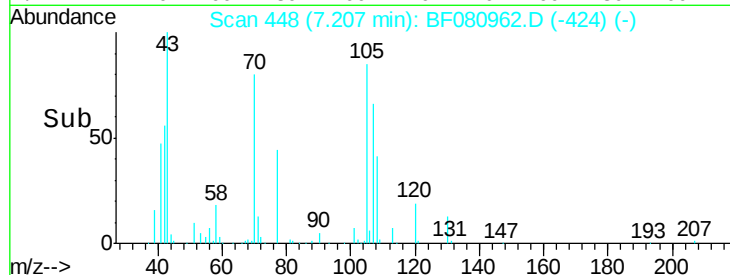
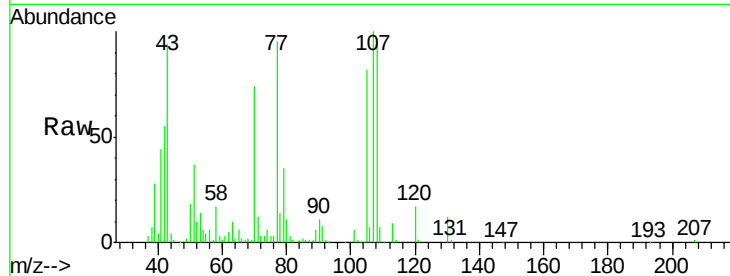
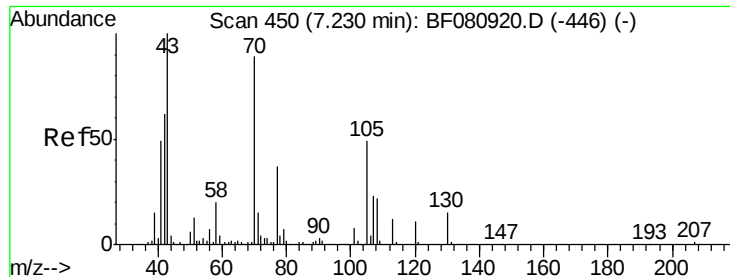


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

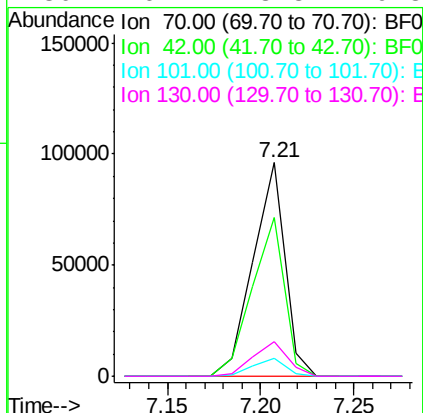




#19  
n-Nitroso-di-n-propylamine  
Concen: 31.65 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

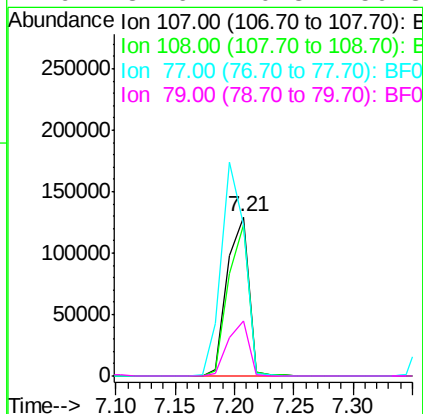
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

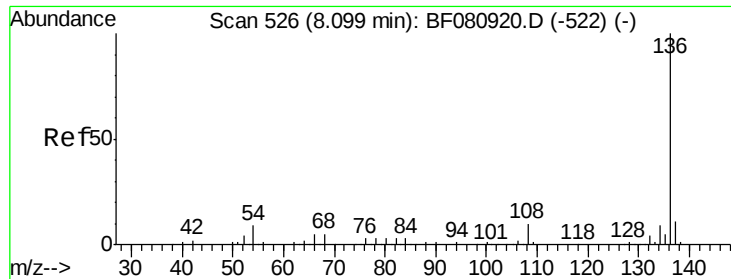
Tot Ion: 70 Resp: 113962  
Ion Ratio Lower Upper  
70 100  
42 74.1 55.7 83.5  
101 8.6 7.0 10.6  
130 16.1 13.8 20.8



#20  
3+4-Methylphenols  
Concen: 36.75 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:107 Resp: 163930  
Ion Ratio Lower Upper  
107 100  
108 94.9 69.2 109.2  
77 94.9 113.0 153.0#  
79 34.6 10.3 50.3

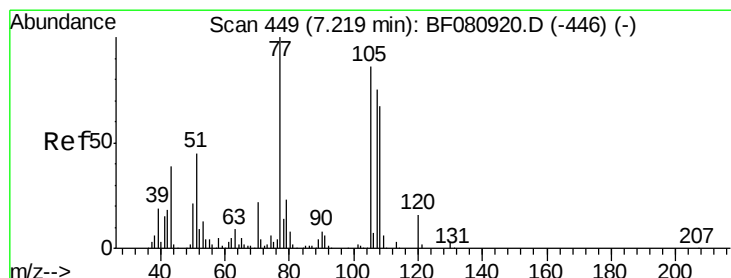
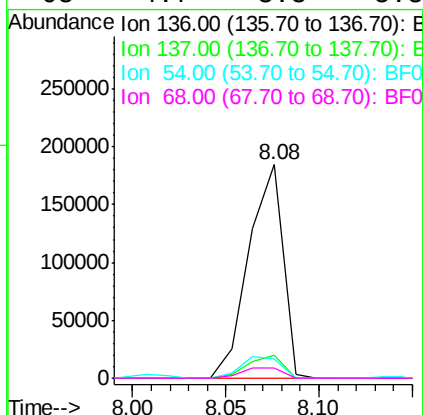
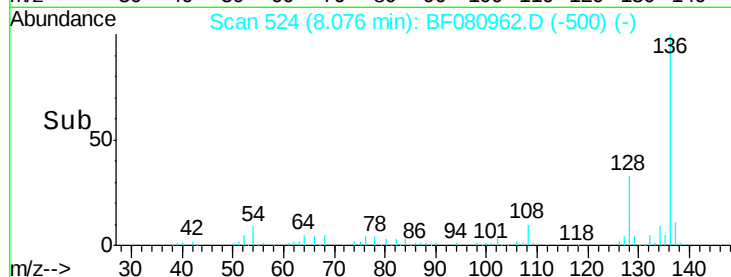
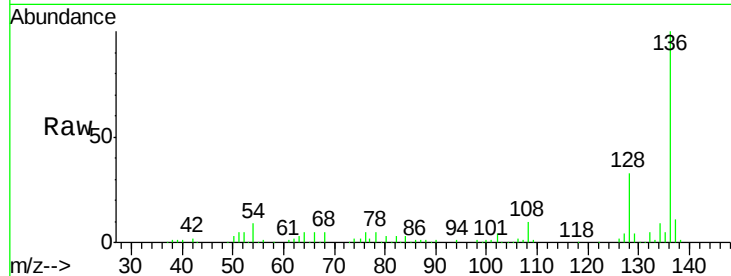




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

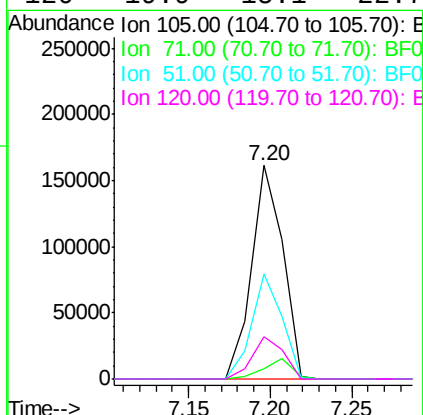
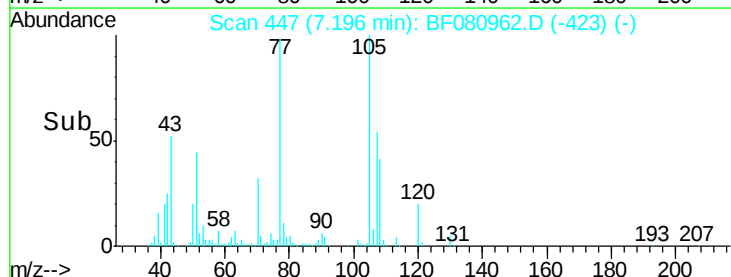
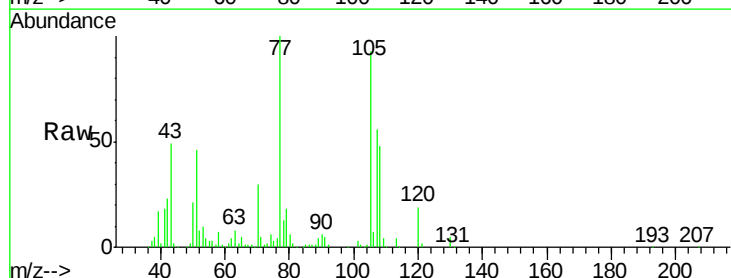
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 234442   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.5 12.7 |
| 54          | 8.9   | 7.1 10.7 |
| 68          | 4.7   | 3.8 5.8  |



#22  
Acetophenone  
Concen: 37.34 ng  
RT: 7.20 min Scan# 447  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 214515    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 5.0   | 3.3 4.9#  |
| 51          | 49.2  | 41.8 62.6 |
| 120         | 19.9  | 15.1 22.7 |

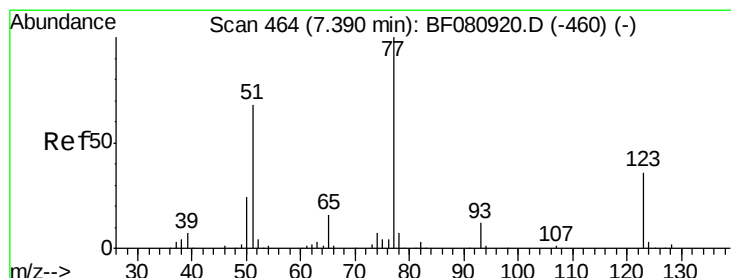
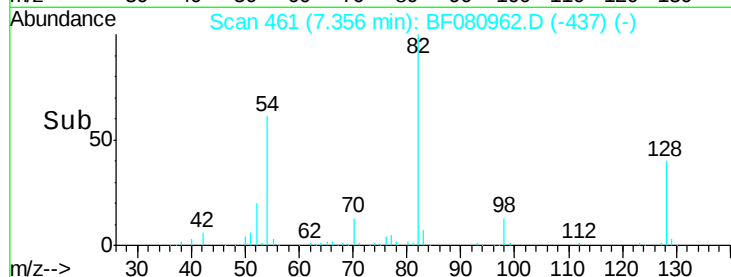
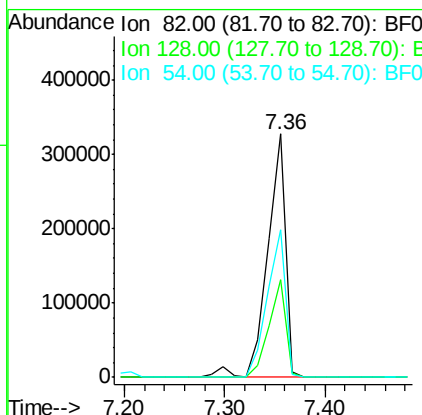
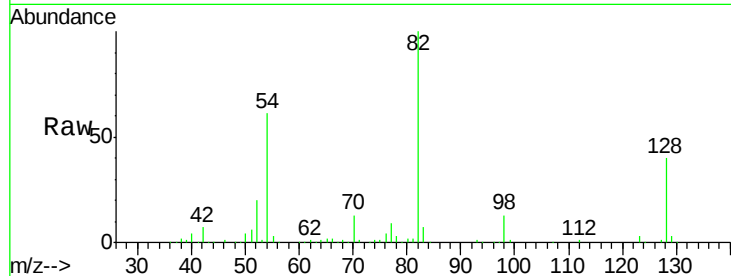




#23  
 Nitrobenzene-d5  
 Concen: 82.01 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

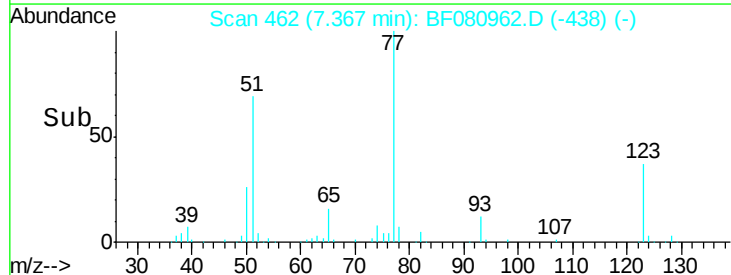
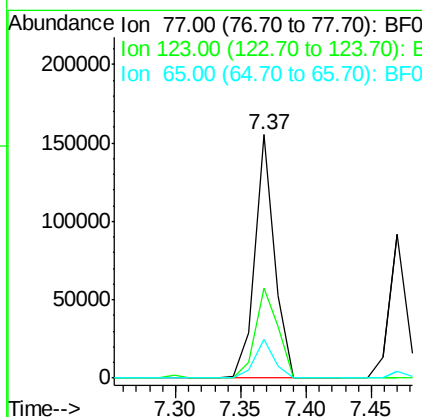
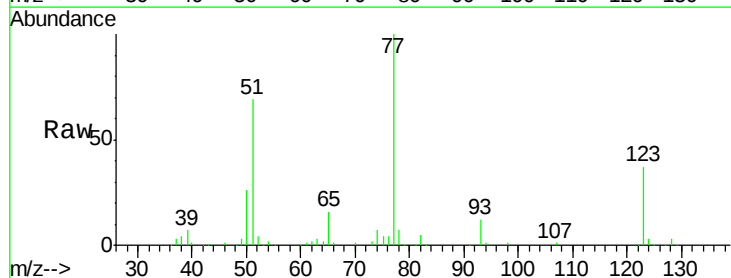
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

| Tot Ion   | 82   | Resp  | 406481 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 40.0 | 34.1  | 51.1   |
| 54        | 60.8 | 46.5  | 69.7   |



#24  
 Nitrobenzene  
 Concen: 32.20 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

| Tgt Ion   | 77   | Resp  | 164314 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 36.9 | 28.7  | 43.1   |
| 65        | 15.8 | 12.5  | 18.7   |





#25

Isophorone

Concen: 32.65 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

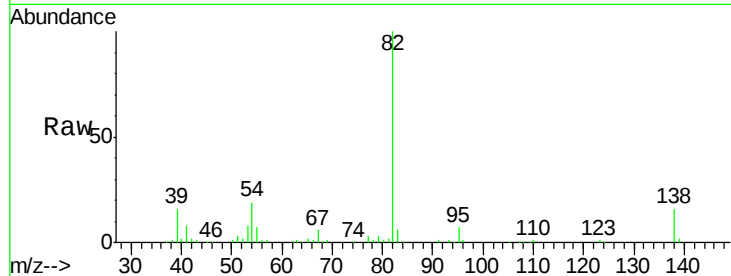
Tot Ion: 82 Resp: 311235

Ion Ratio Lower Upper

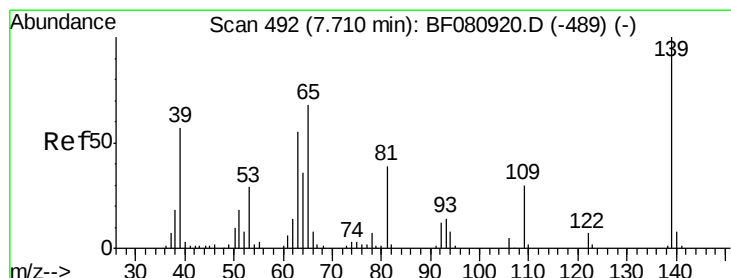
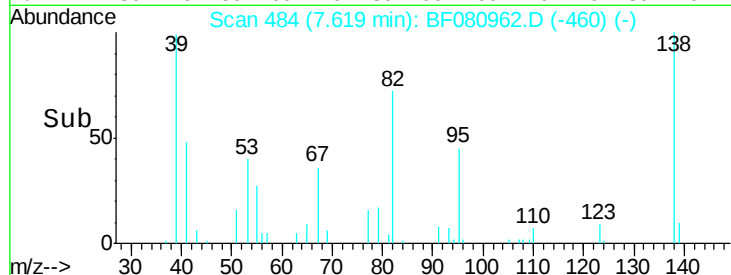
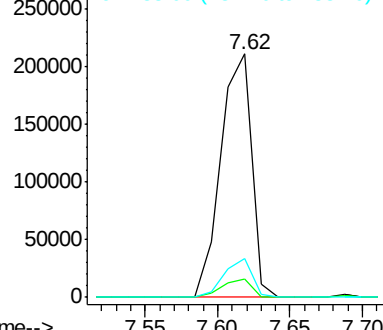
82 100

95 7.3 5.8 8.6

138 16.2 14.1 21.1



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: 35.30 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

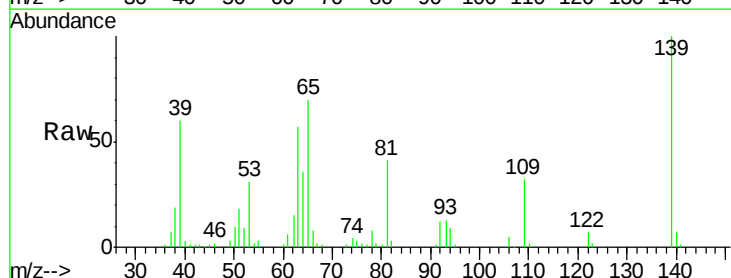
Tgt Ion: 139 Resp: 75804

Ion Ratio Lower Upper

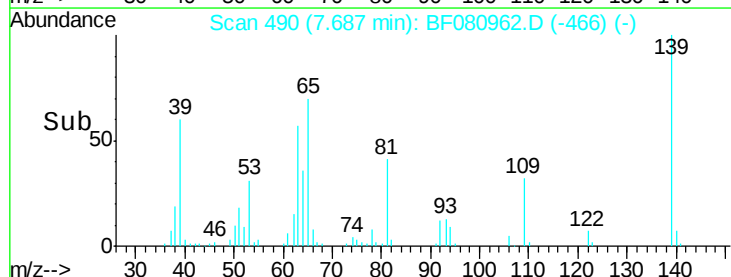
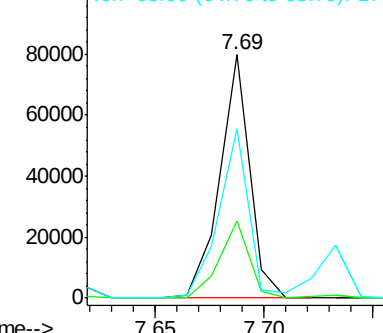
139 100

109 32.0 24.1 36.1

65 69.8 54.0 81.0



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

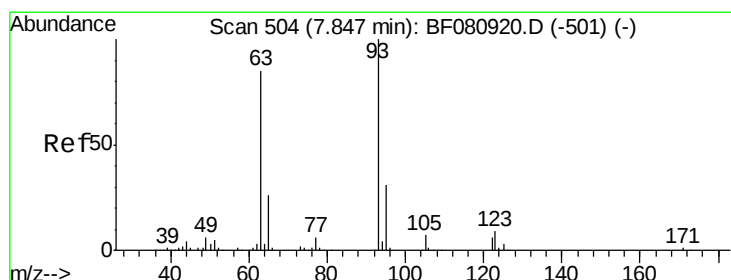
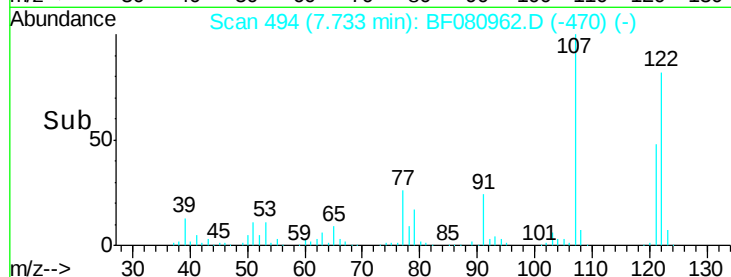
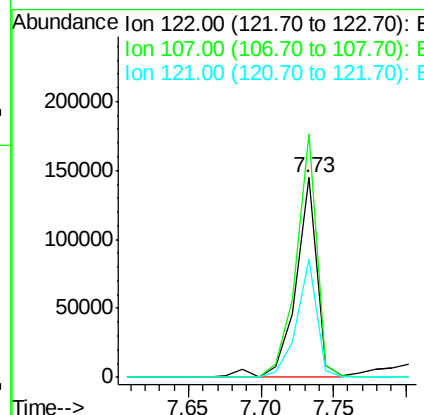
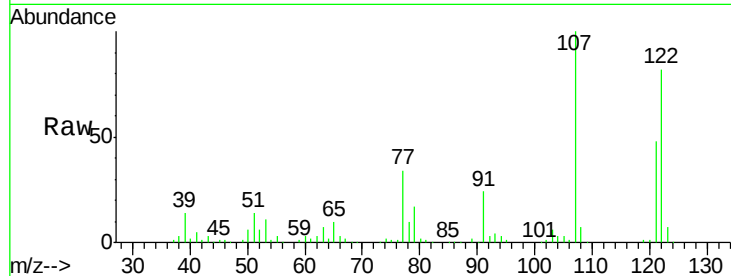




#27  
 2,4-Dimethylphenol  
 Concen: 36.80 ng  
 RT: 7.73 min Scan# 494  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

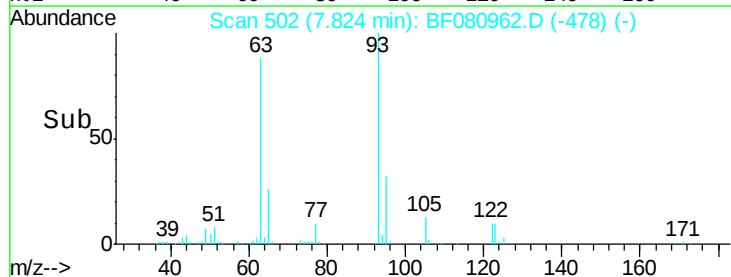
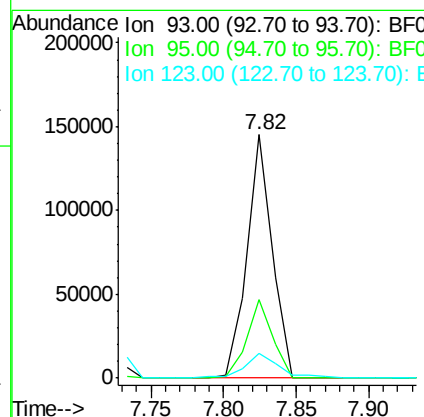
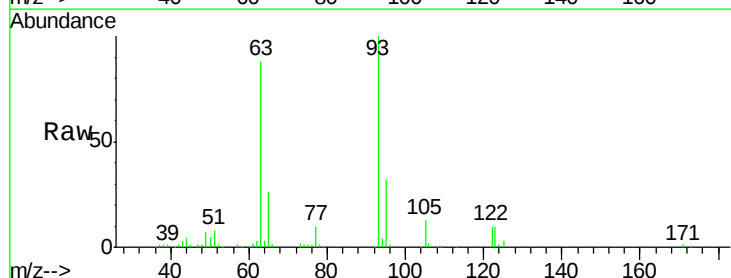
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

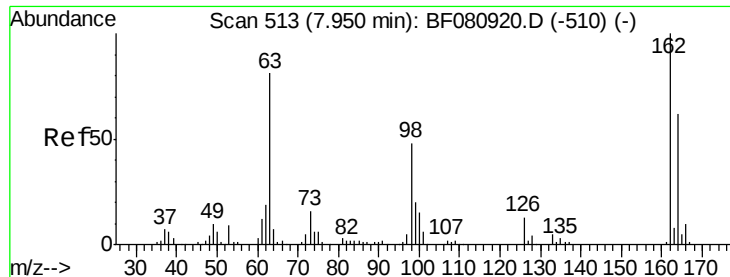
Tot Ion:122 Resp: 147950  
 Ion Ratio Lower Upper  
 122 100  
 107 122.0 90.2 135.4  
 121 59.1 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 30.73 ng  
 RT: 7.82 min Scan# 502  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion: 93 Resp: 175818  
 Ion Ratio Lower Upper  
 93 100  
 95 32.0 25.0 37.4  
 123 10.0 7.4 11.0

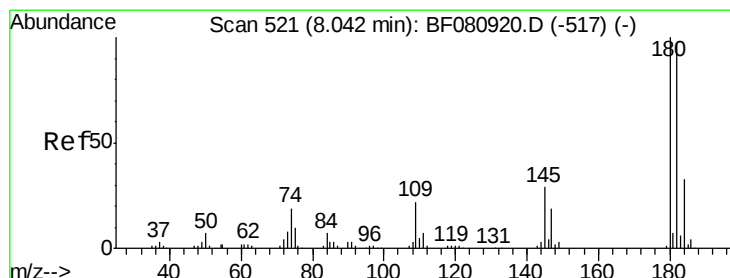
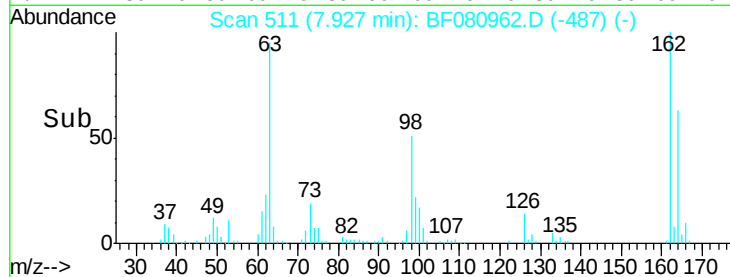
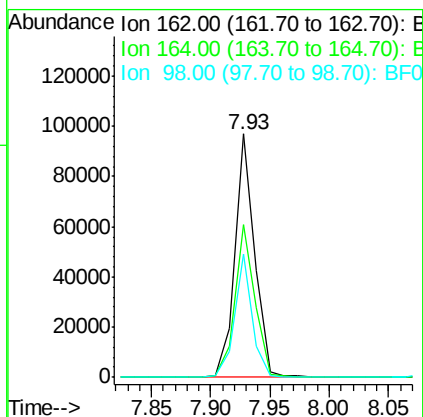
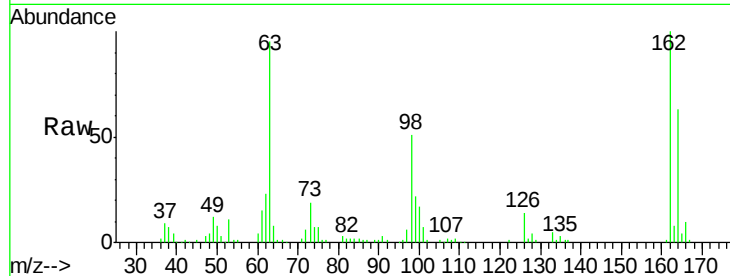




#29  
 2,4-Dichlorophenol  
 Concen: 33.85 ng  
 RT: 7.93 min Scan# 511  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

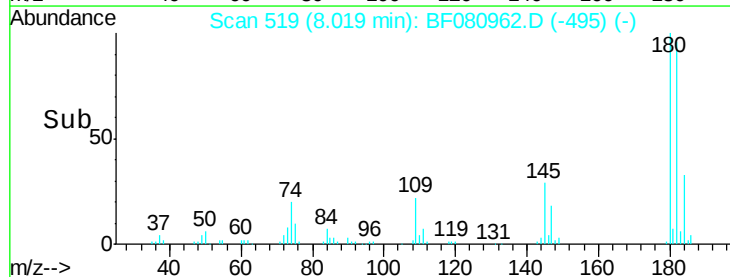
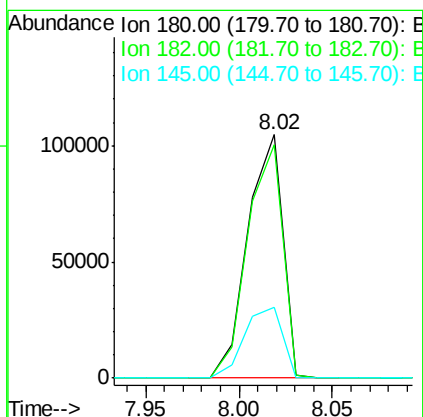
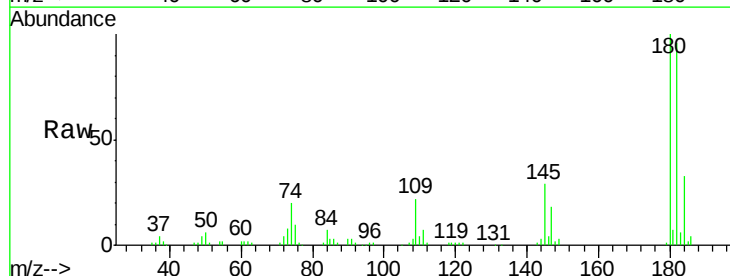
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

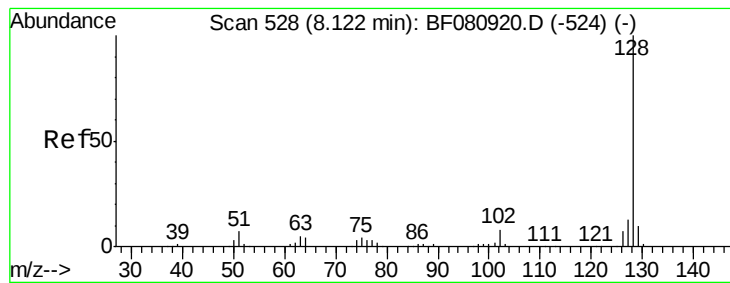
Tot Ion:162 Resp: 111810  
 Ion Ratio Lower Upper  
 162 100  
 164 62.7 42.3 82.3  
 98 50.8 27.7 67.7



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.70 ng  
 RT: 8.02 min Scan# 519  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:180 Resp: 136133  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 77.4 116.0  
 145 29.2 23.2 34.8





#31

Naphthalene

Concen: 33.98 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

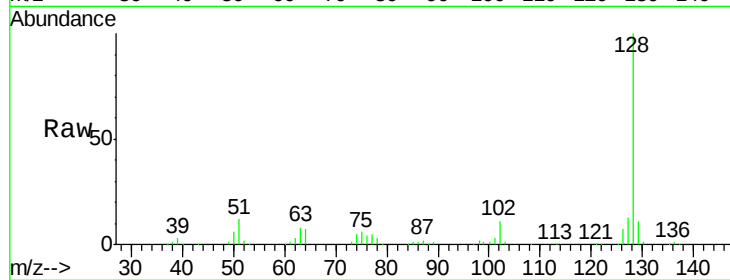
Tot Ion:128 Resp: 439152

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

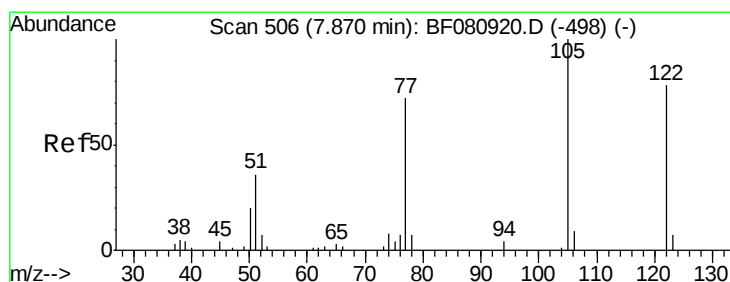
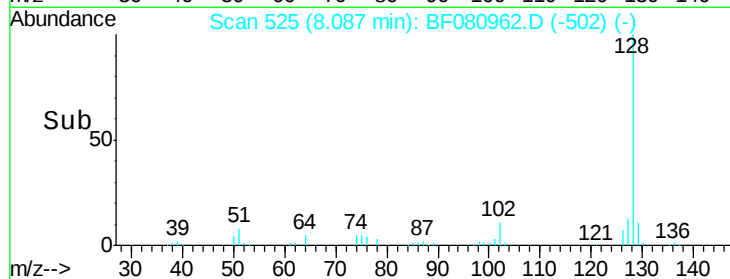
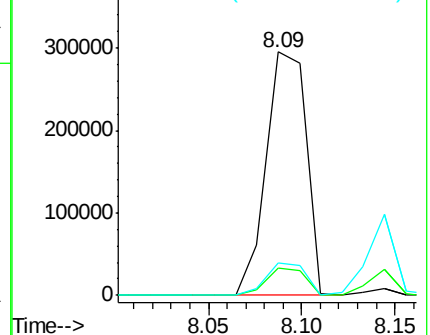
127 13.2 10.5 15.7



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: 35.63 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

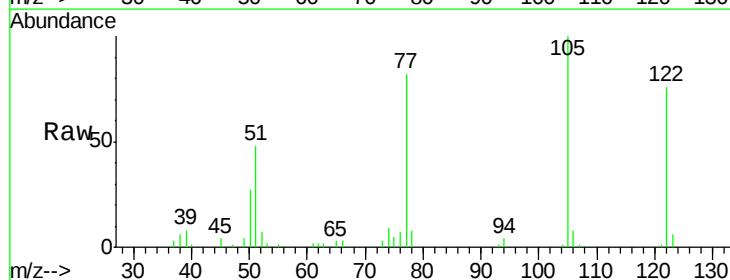
Tgt Ion:122 Resp: 85748

Ion Ratio Lower Upper

122 100

105 131.2 103.6 143.6

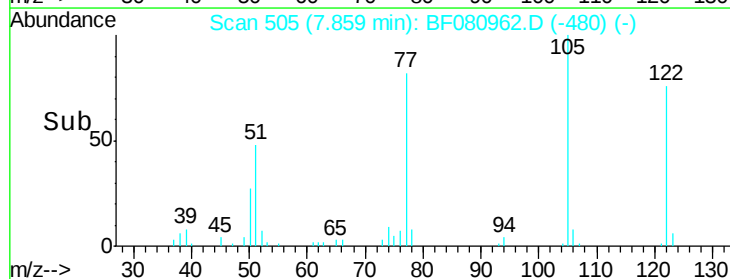
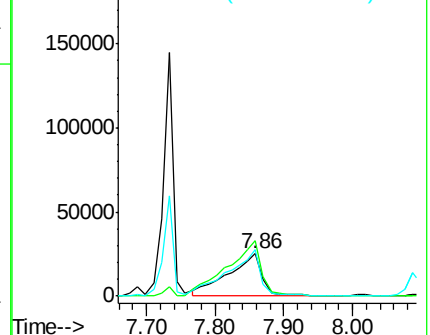
77 108.2 70.4 110.4



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

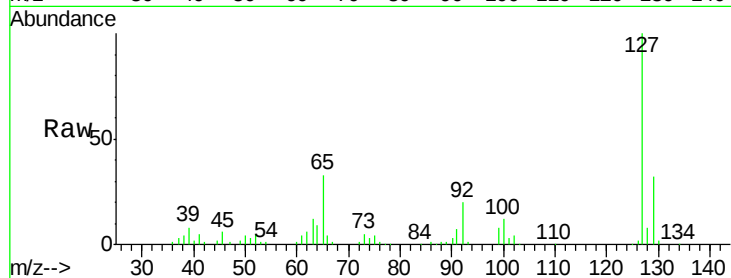




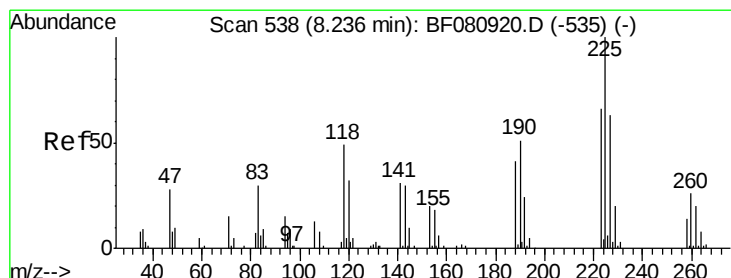
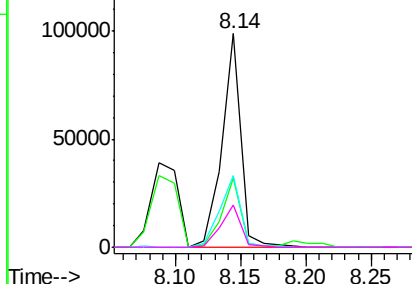
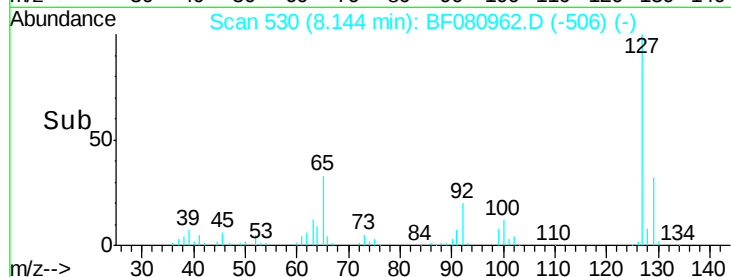
#33  
4-Chloroaniline  
Concen: 19.09 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 100252    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 32.4  | 25.9 38.9 |
| 65          | 33.4  | 30.6 45.8 |
| 92          | 19.6  | 16.9 25.3 |

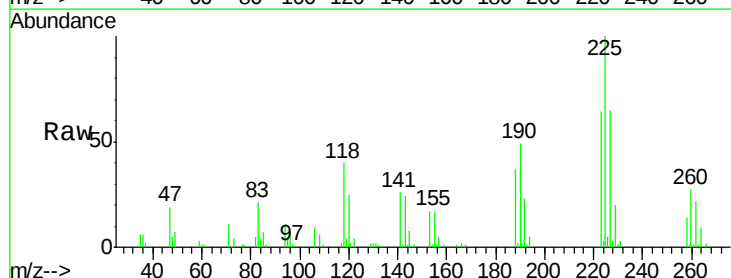


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

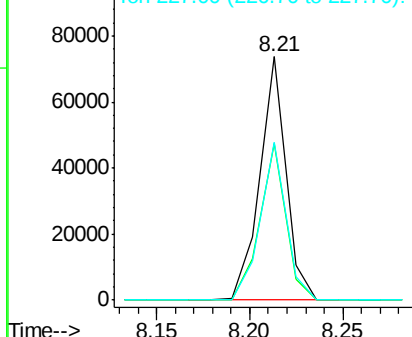
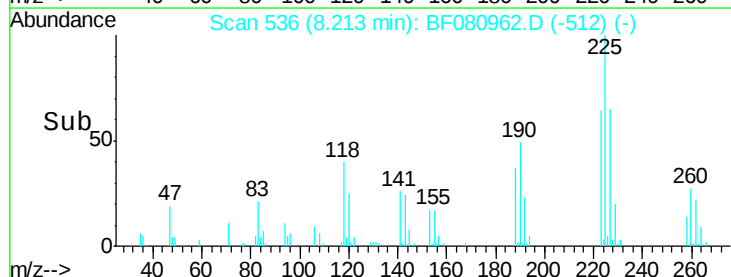


#34  
Hexachlorobutadiene  
Concen: 33.03 ng  
RT: 8.21 min Scan# 536  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 70958     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.3  | 52.5 78.7 |
| 227         | 65.0  | 50.3 75.5 |



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

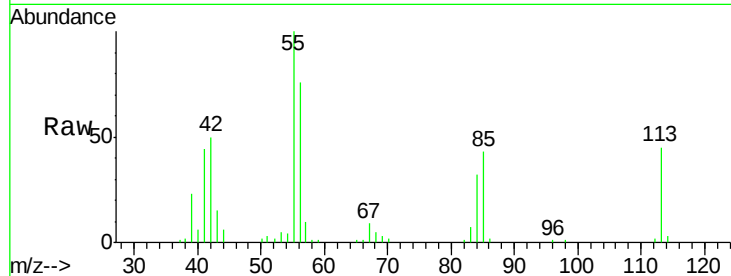




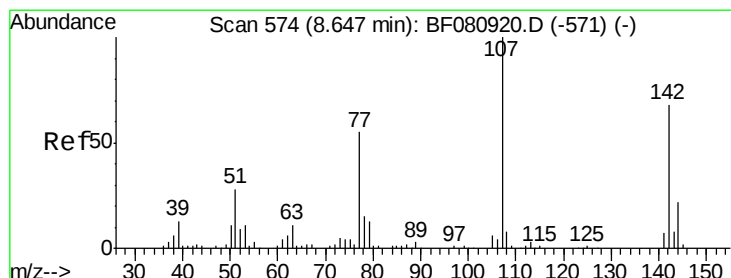
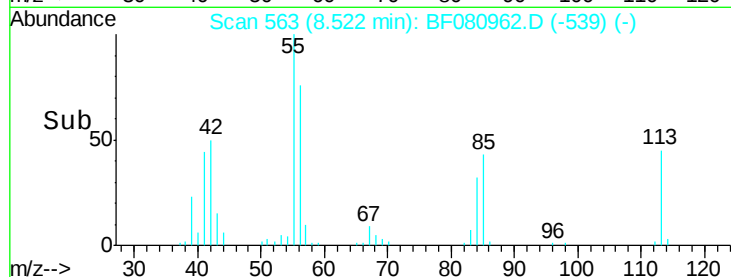
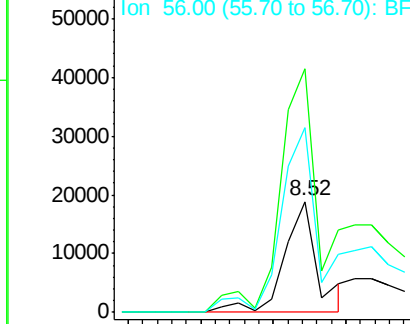
#35  
Caprolactam  
Concen: 24.96 ng  
RT: 8.52 min Scan# 563  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

Tot Ion:113 Resp: 29666  
Ion Ratio Lower Upper  
113 100  
55 220.0 196.4 236.4  
56 166.4 137.9 177.9

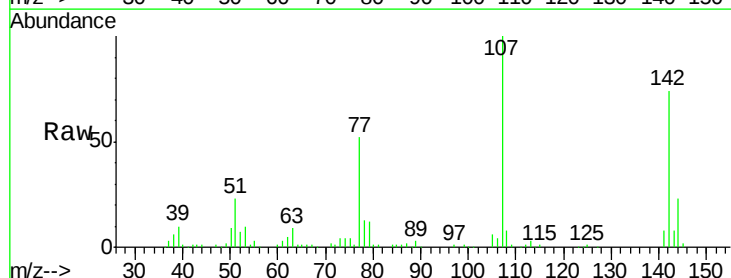


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

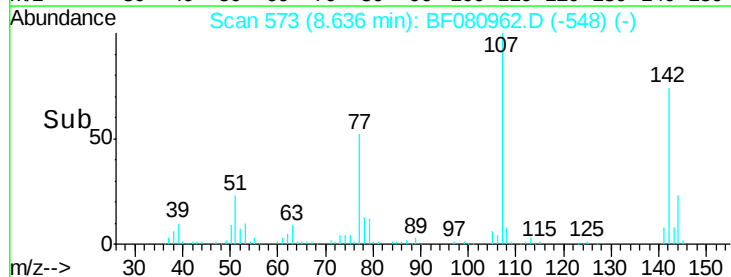
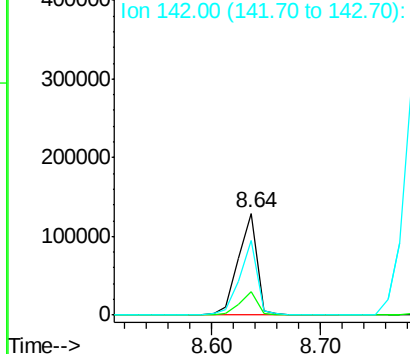


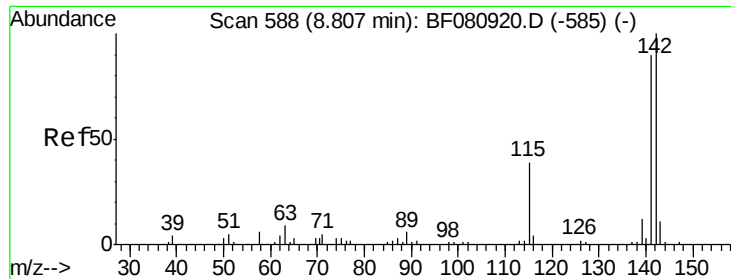
#36  
4-Chloro-3-methylphenol  
Concen: 37.92 ng  
RT: 8.64 min Scan# 573  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:107 Resp: 152872  
Ion Ratio Lower Upper  
107 100  
144 23.4 17.3 25.9  
142 73.9 54.4 81.6



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

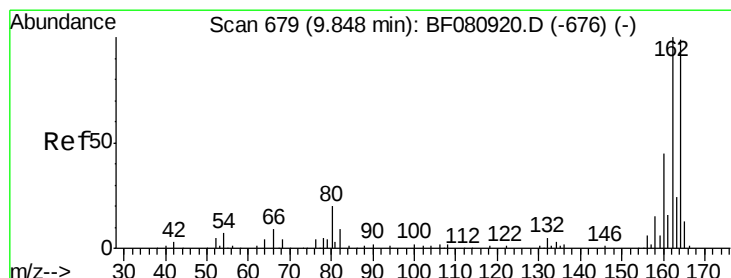
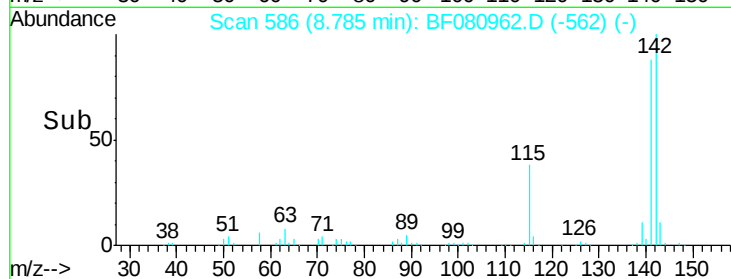
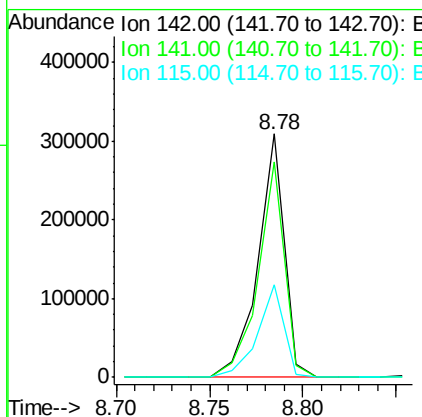
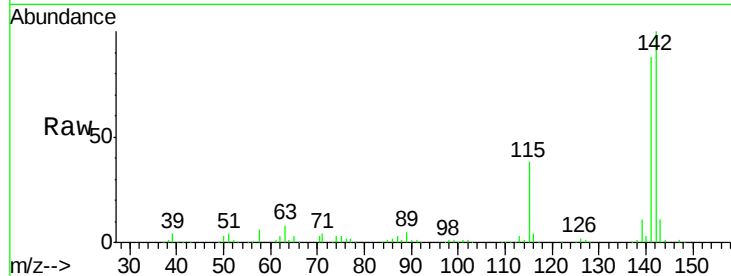




#37  
 2-Methylnaphthalene  
 Concen: 36.42 ng  
 RT: 8.78 min Scan# 586  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

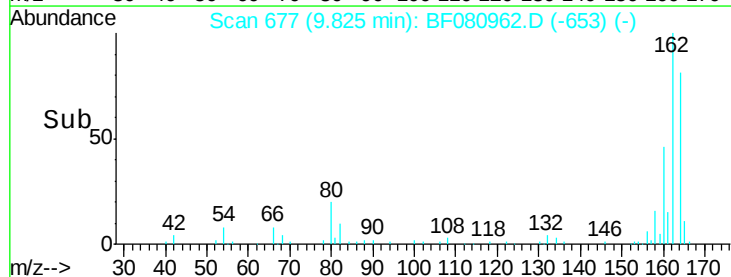
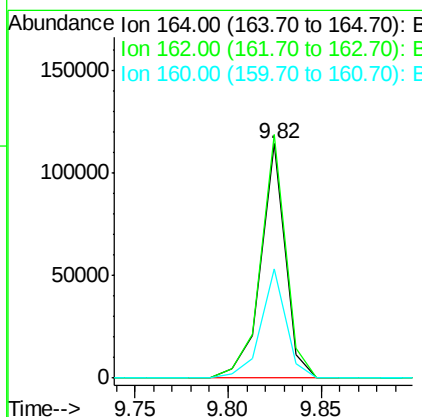
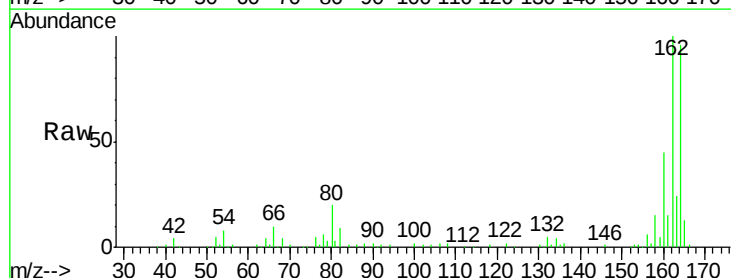
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

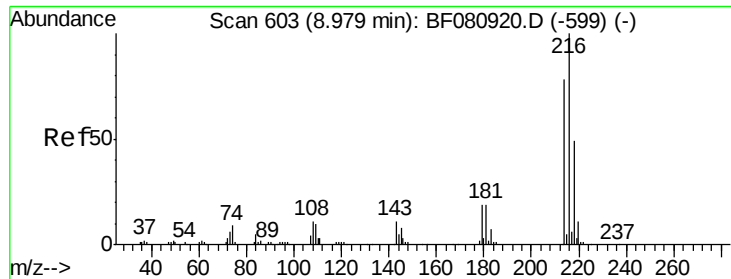
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 71.7  | 107.5 |
| 115     | 37.8  | 30.9  | 46.3  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 677  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 80.5  | 120.7 |
| 160     | 46.6  | 36.6  | 54.8  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.58 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

Tot Ion:216 Resp: 120012

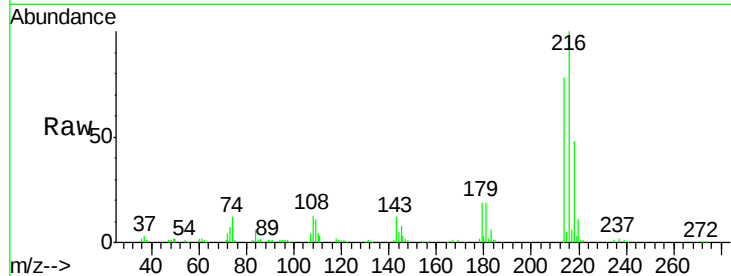
Ion Ratio Lower Upper

216 100

214 79.8 63.0 94.4

179 21.9 17.2 25.8

108 23.1 16.1 24.1

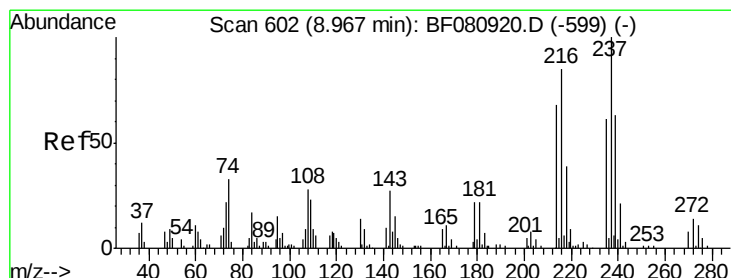
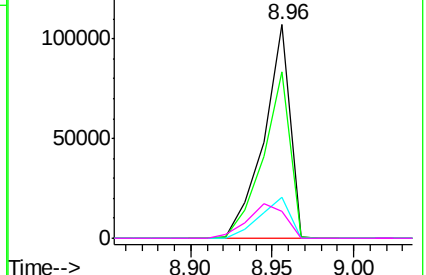
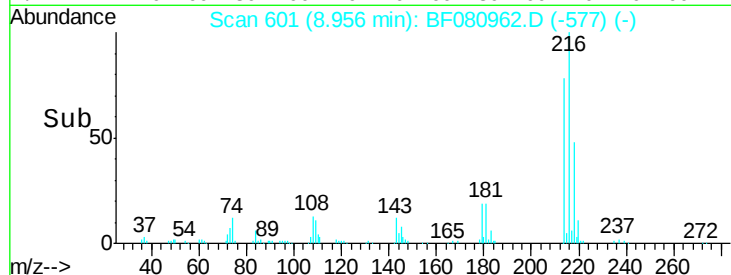


Abundance Ion 216.00 (215.70 to 216.70): E

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: 91.89 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

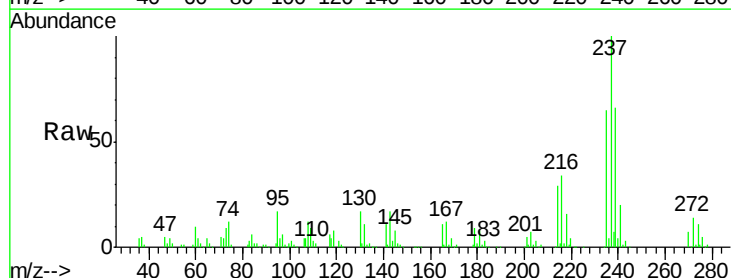
Tgt Ion:237 Resp: 160133

Ion Ratio Lower Upper

237 100

235 64.5 41.3 81.3

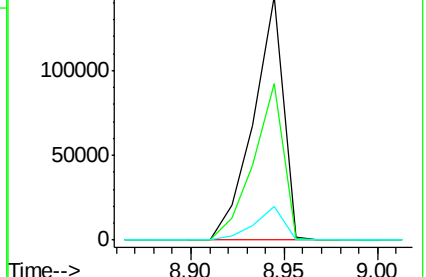
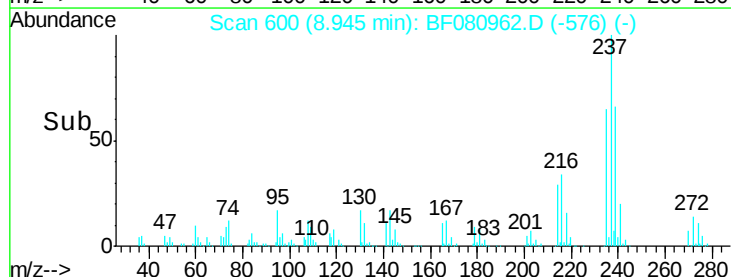
272 14.0 0.0 33.6

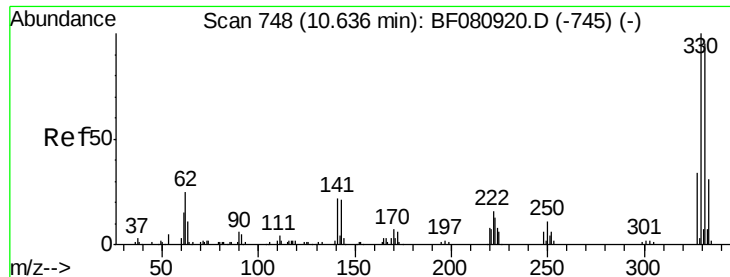


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

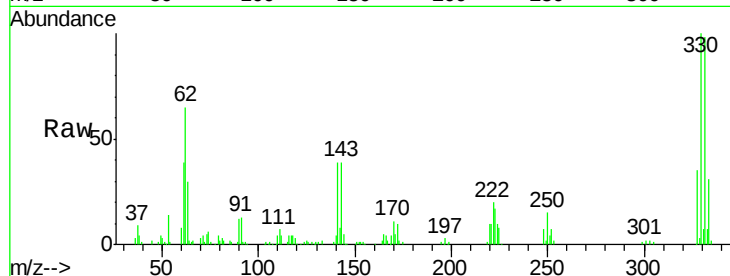




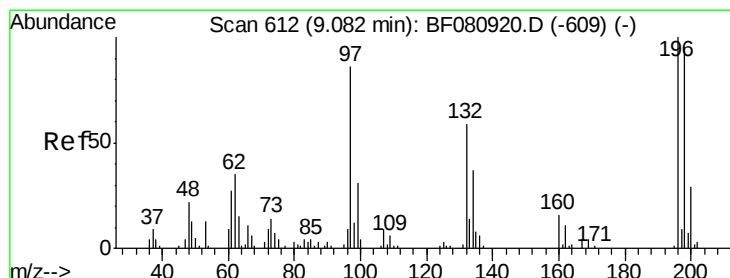
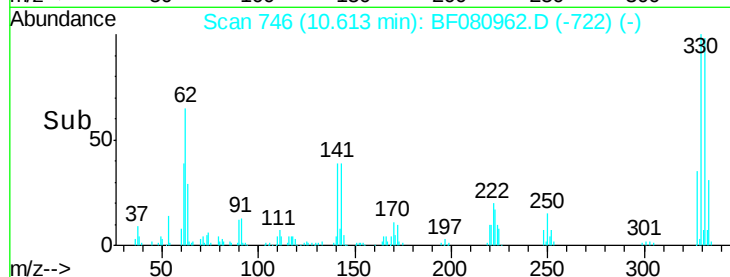
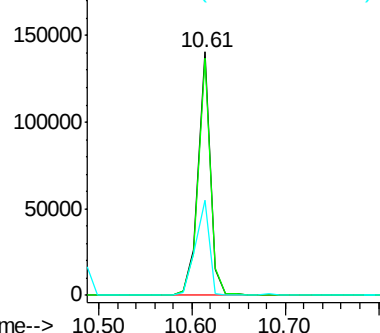
#41  
 2,4,6-Tribromophenol  
 Concen: 113.70 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.2  | 114.4 |
| 141     | 44.4  | 27.8  | 41.8# |

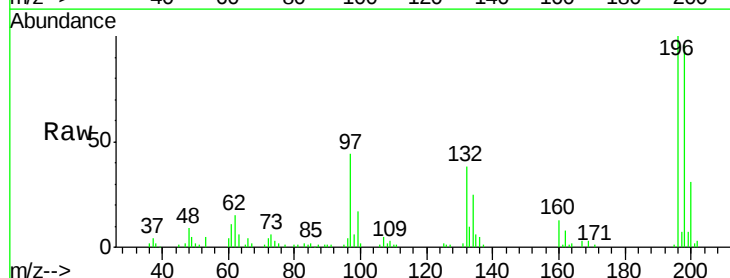


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

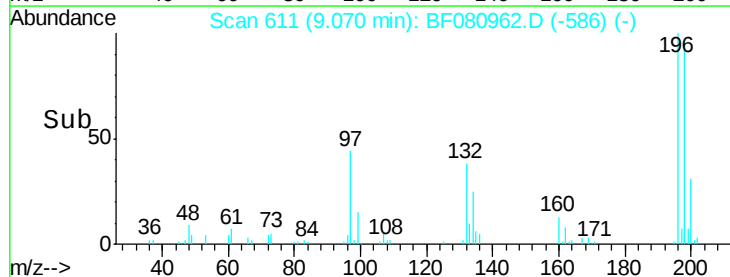
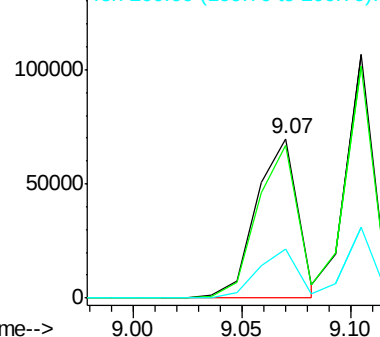


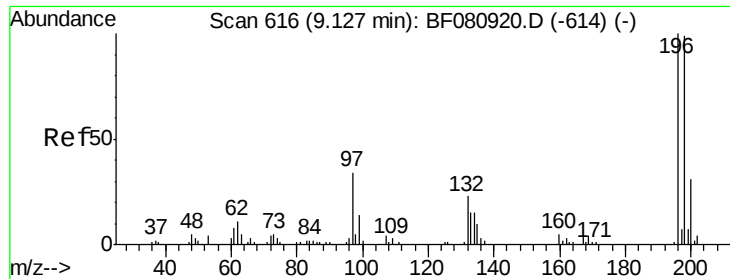
#42  
 2,4,6-Trichlorophenol  
 Concen: 39.54 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 75.9  | 113.9 |
| 200     | 30.9  | 23.1  | 34.7  |



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

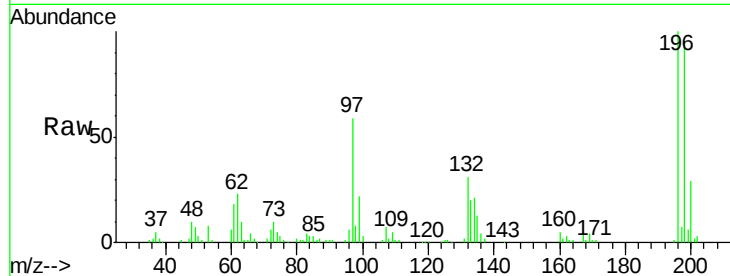




#43  
 2,4,5-Trichlorophenol  
 Concen: 41.61 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.3  | 78.9  | 118.3 |
| 97      | 58.7  | 29.1  | 43.7# |
| 132     | 30.9  | 19.1  | 28.7# |



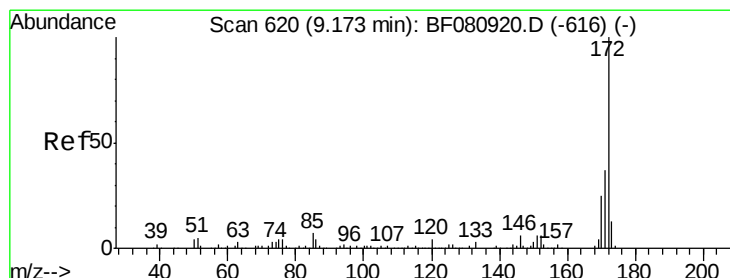
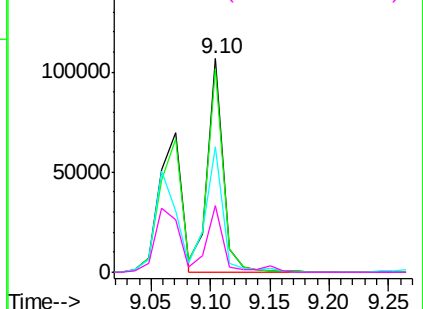
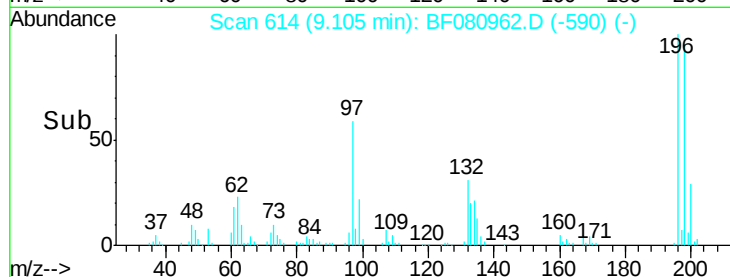
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

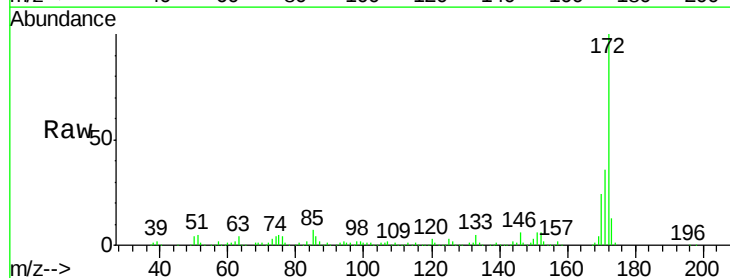
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 83.16 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.4  | 44.0  |
| 170     | 24.3  | 19.7  | 29.5  |

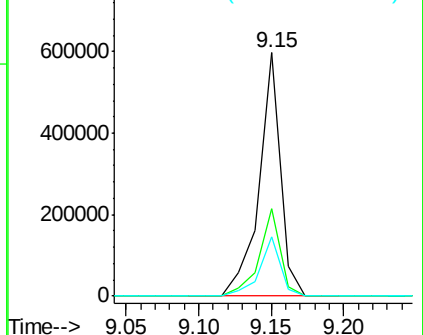
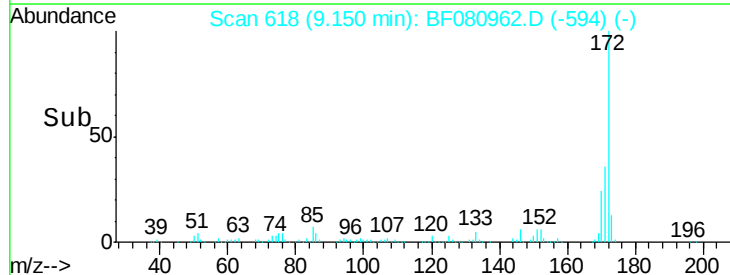


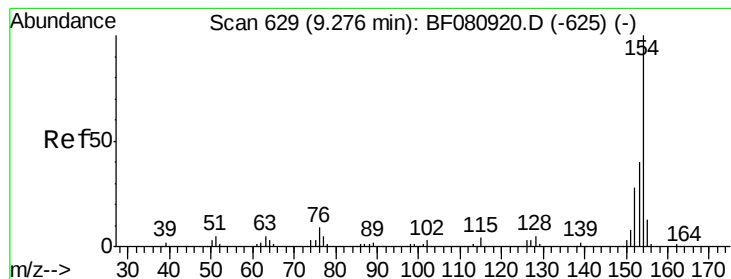
Abundance

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: 44.20 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

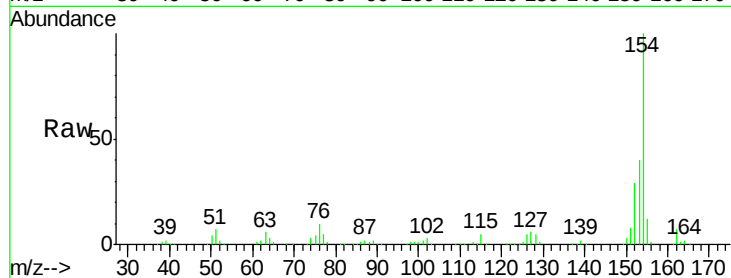
Tot Ion:154 Resp: 393001

Ion Ratio Lower Upper

154 100

153 39.6 20.1 60.1

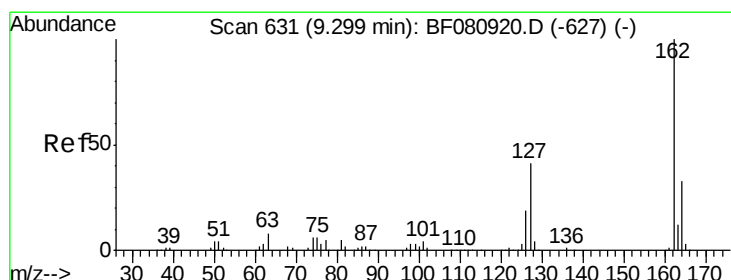
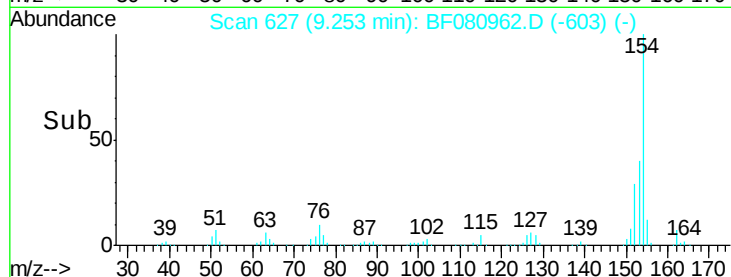
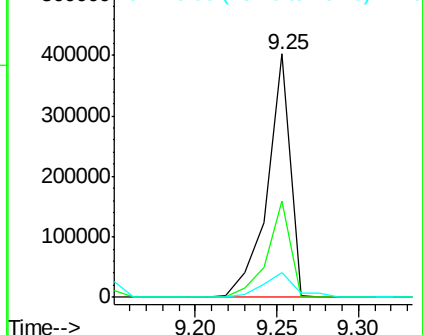
76 10.1 0.0 29.3



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: 40.33 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

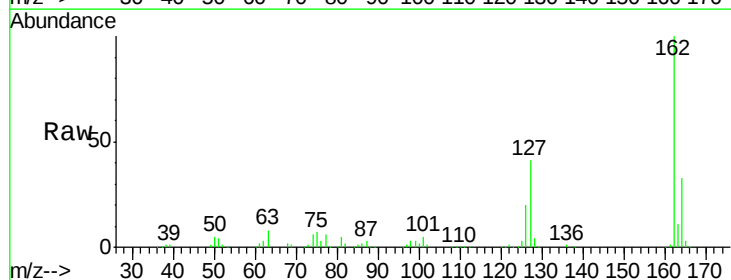
Tgt Ion:162 Resp: 279539

Ion Ratio Lower Upper

162 100

127 40.8 32.5 48.7

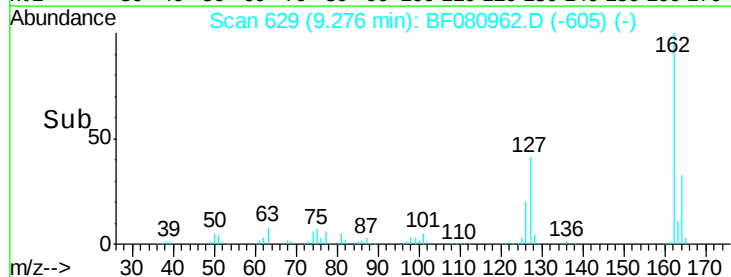
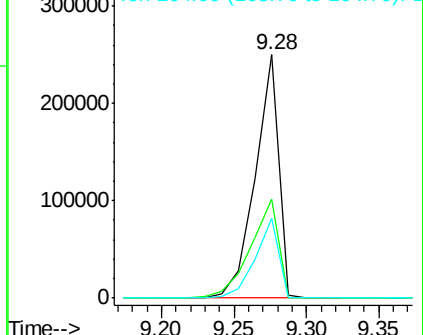
164 32.9 26.2 39.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

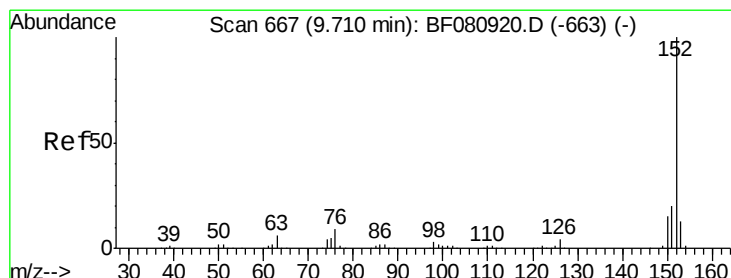
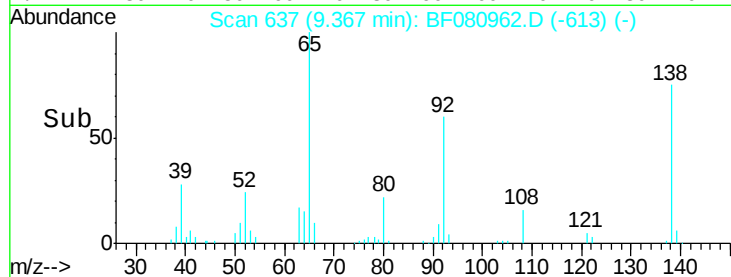
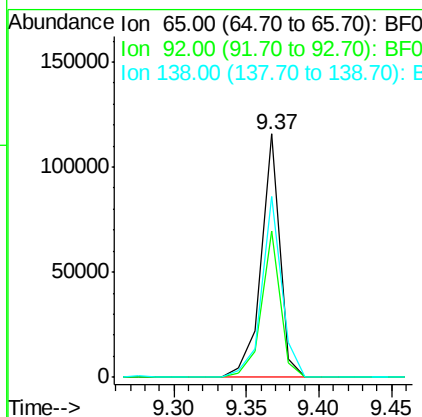
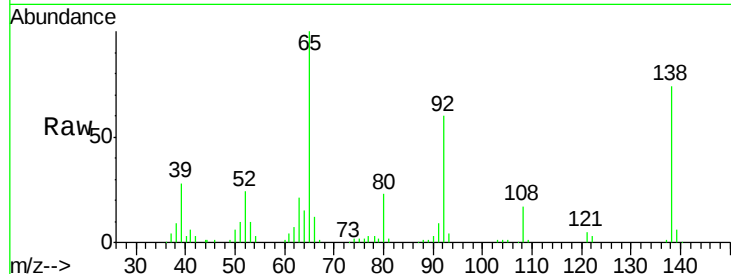




#47  
 2-Nitroaniline  
 Concen: 37.33 ng  
 RT: 9.37 min Scan# 637  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

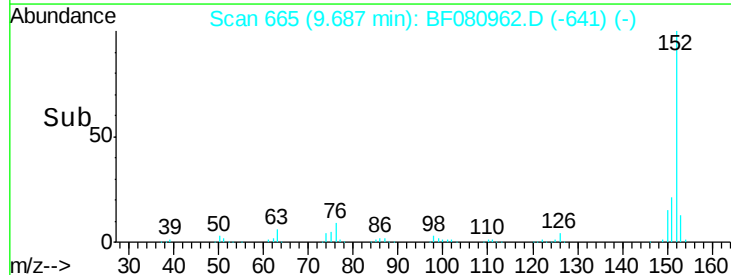
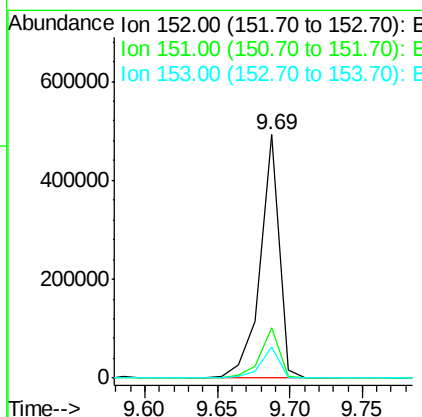
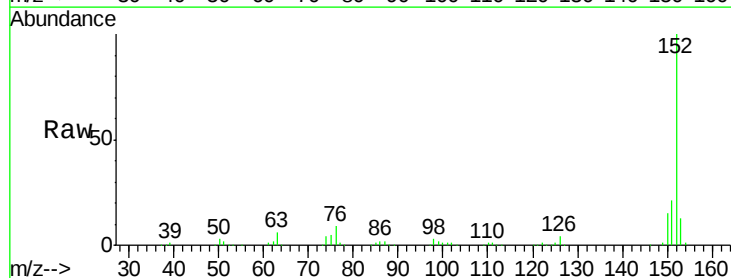
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Tot Ion: 65 Resp: 103758  
 Ion Ratio Lower Upper  
 65 100  
 92 60.2 48.0 72.0  
 138 74.5 66.1 99.1



#48  
 Acenaphthylene  
 Concen: 37.06 ng  
 RT: 9.69 min Scan# 665  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion: 152 Resp: 446670  
 Ion Ratio Lower Upper  
 152 100  
 151 20.6 16.3 24.5  
 153 12.9 10.5 15.7

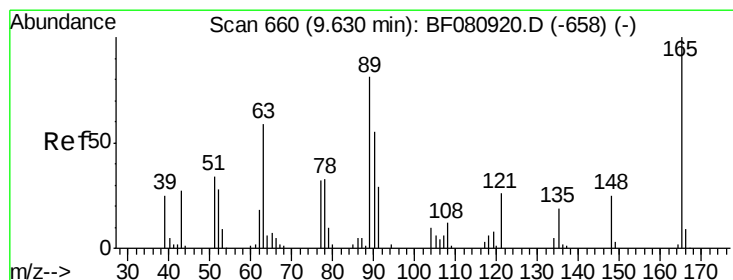
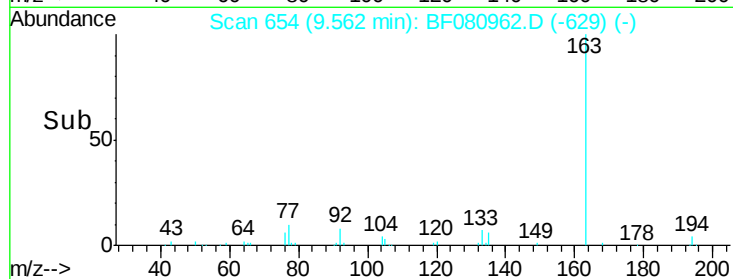
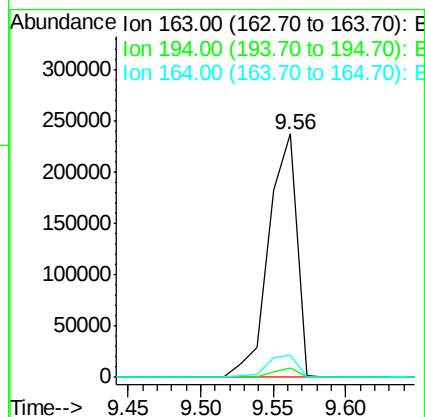
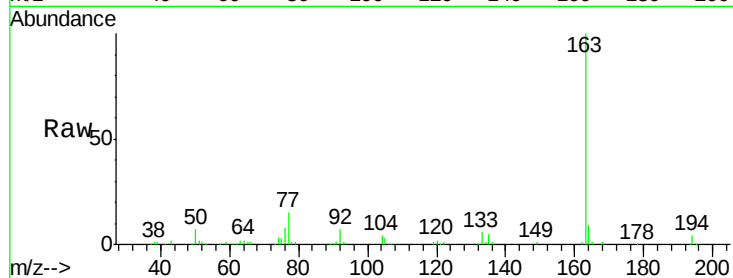




#49  
Dimethylphthalate  
Concen: 37.10 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

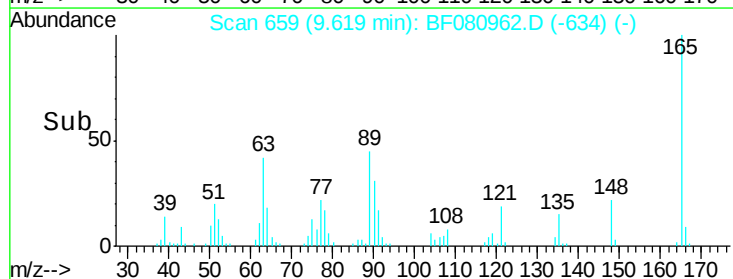
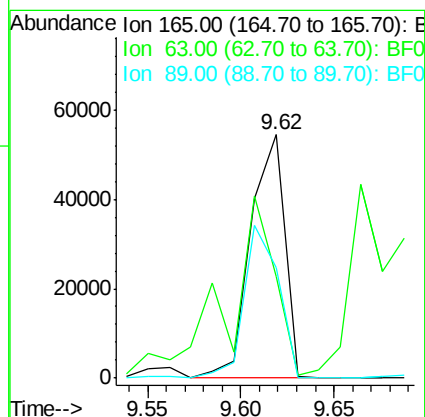
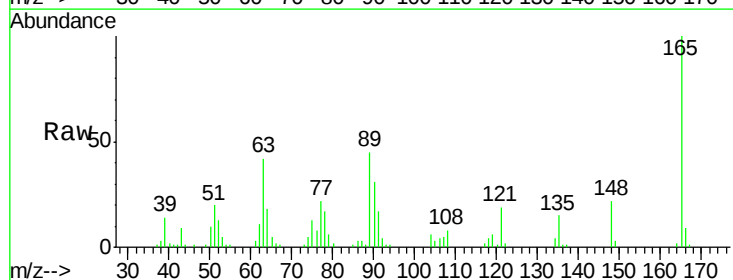
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

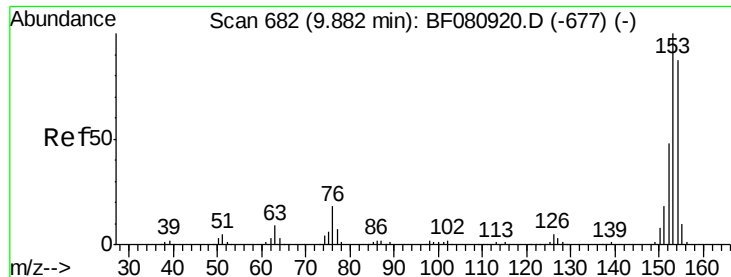
Tot Ion:163 Resp: 319281  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.4 3.6#  
164 9.3 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 38.69 ng  
RT: 9.62 min Scan# 659  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:165 Resp: 68785  
Ion Ratio Lower Upper  
165 100  
63 41.6 77.6 116.4#  
89 45.5 64.5 96.7#





#51

Acenaphthene

Concen: 41.18 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

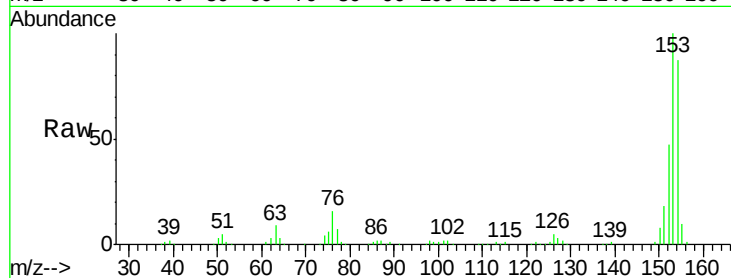
Tot Ion:154 Resp: 303895

Ion Ratio Lower Upper

154 100

153 114.9 91.4 137.2

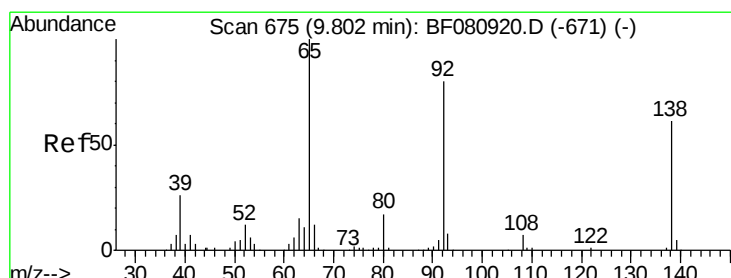
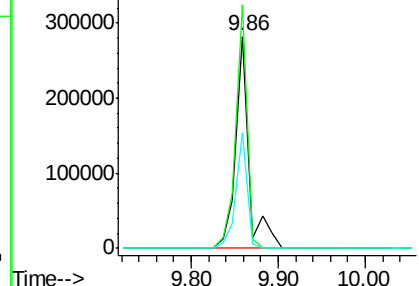
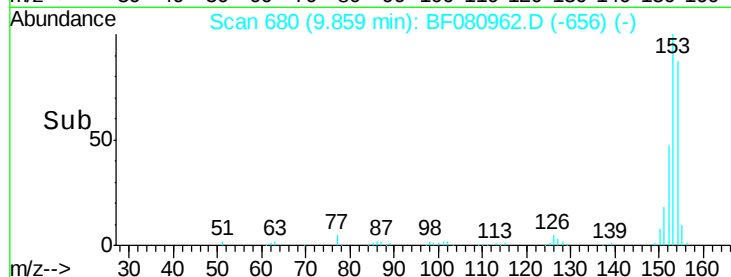
152 54.5 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 21.47 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

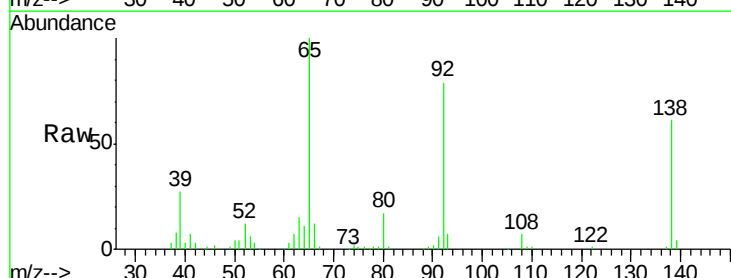
Tgt Ion:138 Resp: 47052

Ion Ratio Lower Upper

138 100

108 11.0 8.7 13.1

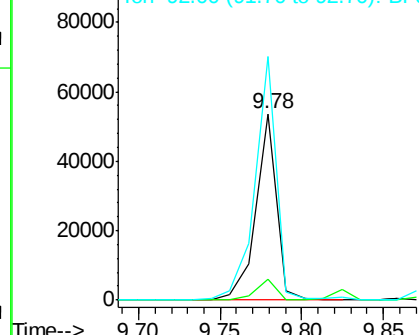
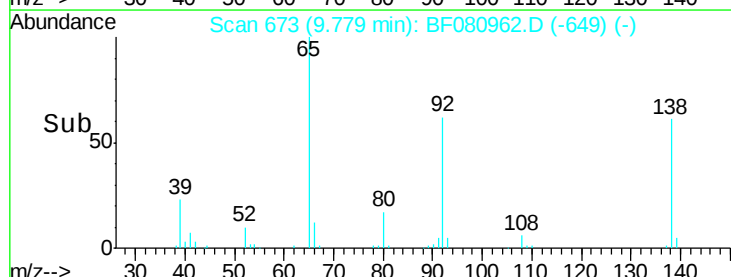
92 130.8 104.4 156.6

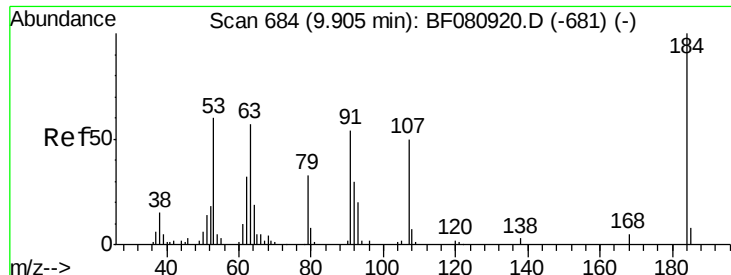


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

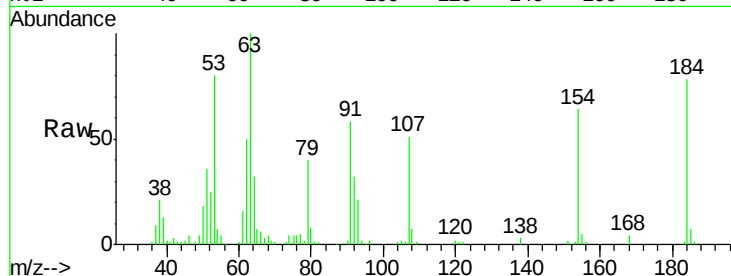




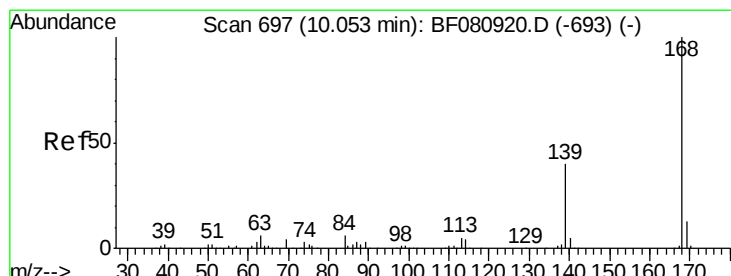
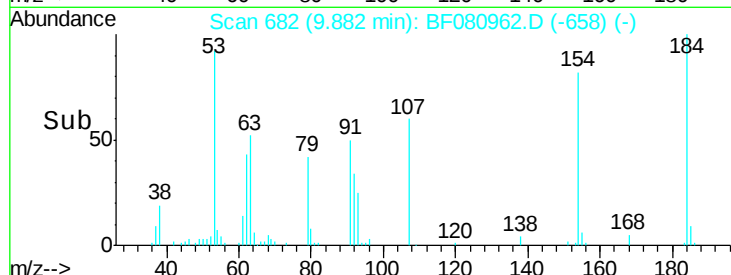
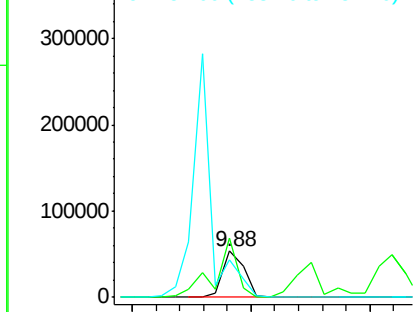
#53  
 2,4-Dinitrophenol  
 Concen: 63.78 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Tot Ion:184 Resp: 67426  
 Ion Ratio Lower Upper  
 184 100  
 63 128.3 59.7 89.5#  
 154 81.9 53.8 80.8#

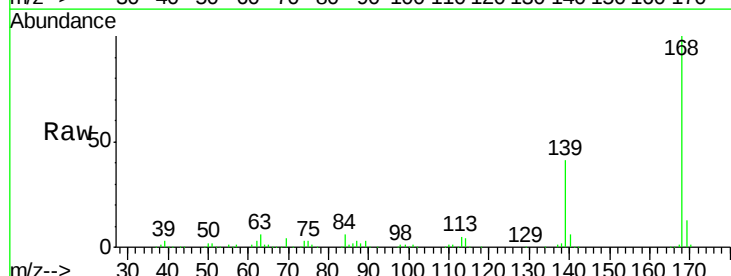


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

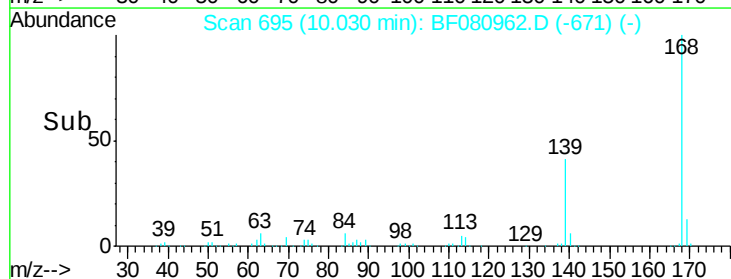
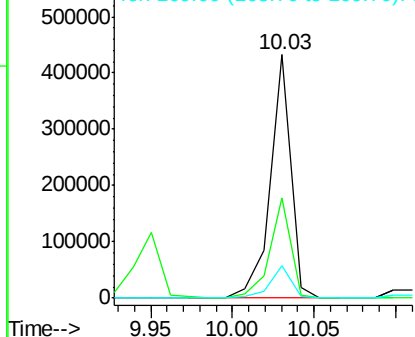


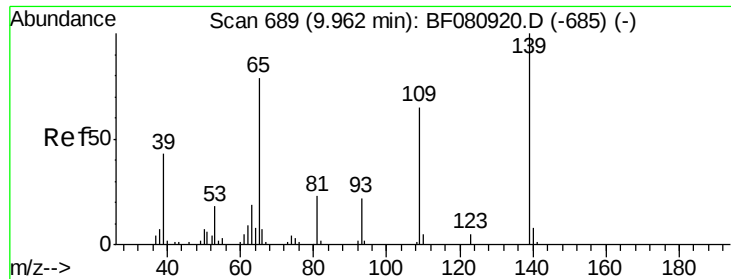
#54  
 Dibenzofuran  
 Concen: 38.14 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:168 Resp: 380623  
 Ion Ratio Lower Upper  
 168 100  
 139 41.2 31.9 47.9  
 169 13.4 10.6 15.8



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





#55

4-Nitrophenol

Concen: 80.11 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

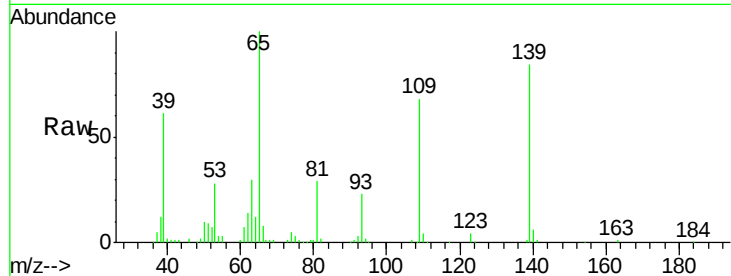
Tot Ion:139 Resp: 131425

Ion Ratio Lower Upper

139 100

109 80.4 44.7 84.7

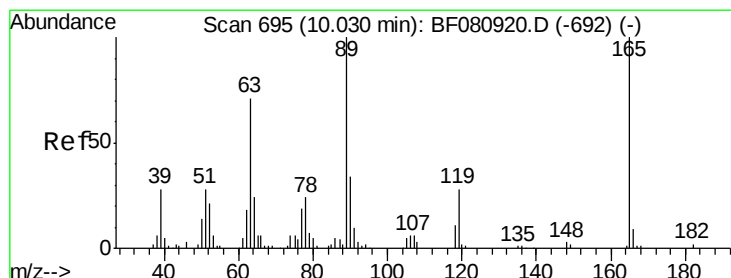
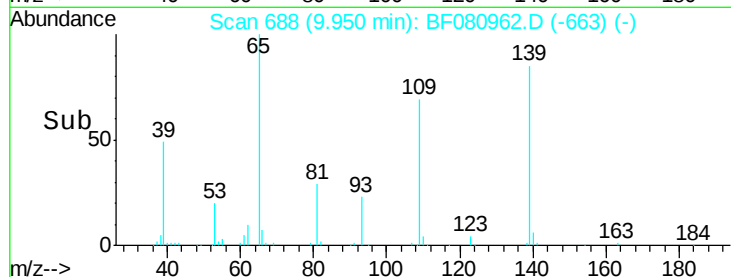
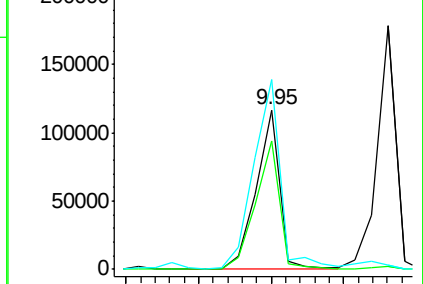
65 118.8 59.5 99.5#



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



#56

2,4-Dinitrotoluene

Concen: 41.69 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Tgt Ion:165 Resp: 99176

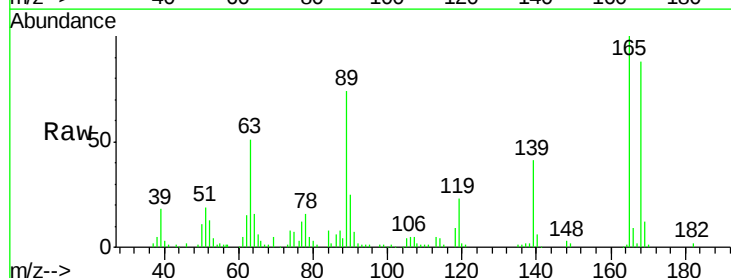
Ion Ratio Lower Upper

165 100

63 51.2 56.7 85.1#

89 73.7 80.4 120.6#

182 2.1 1.5 2.3

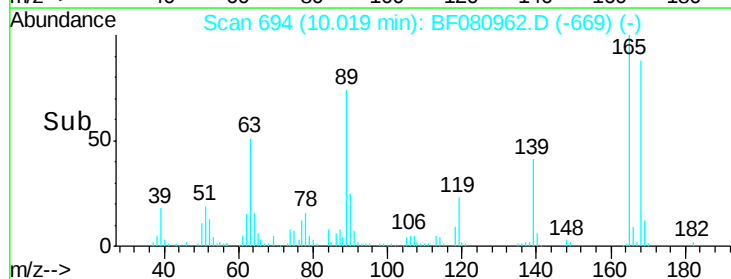
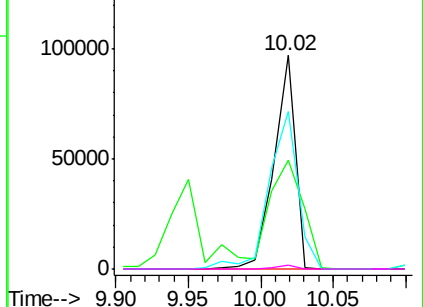


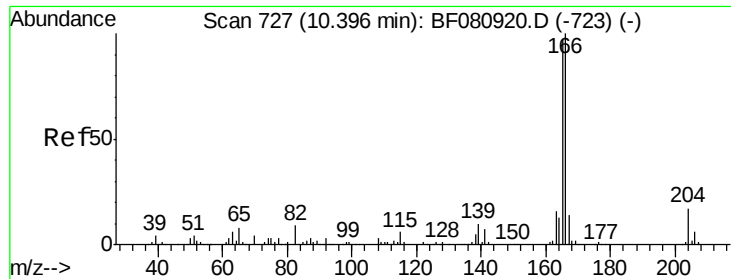
Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.61 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

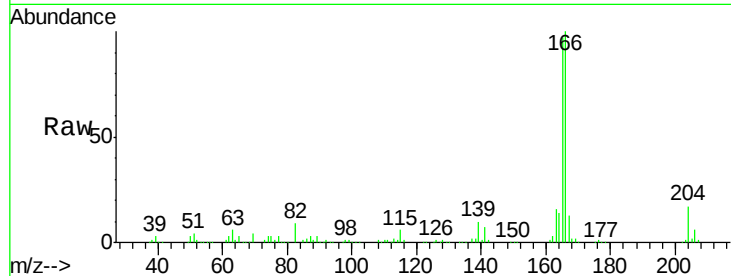
Tot Ion:166 Resp: 313519

Ion Ratio Lower Upper

166 100

165 96.7 77.2 115.8

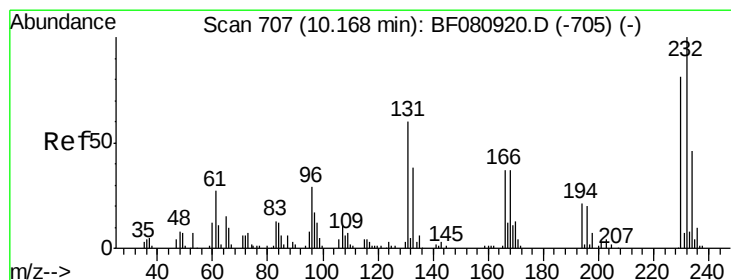
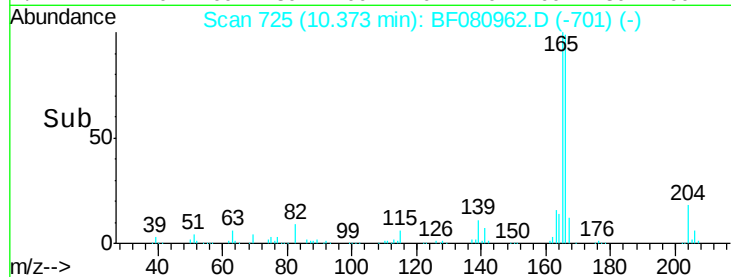
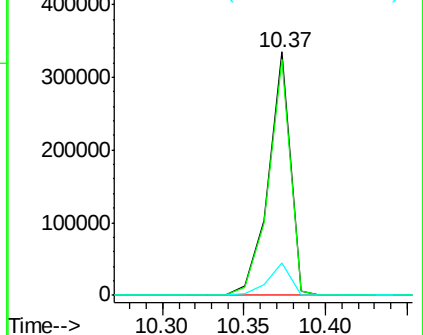
167 13.4 10.8 16.2



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: 38.20 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Tgt Ion:232 Resp: 71305

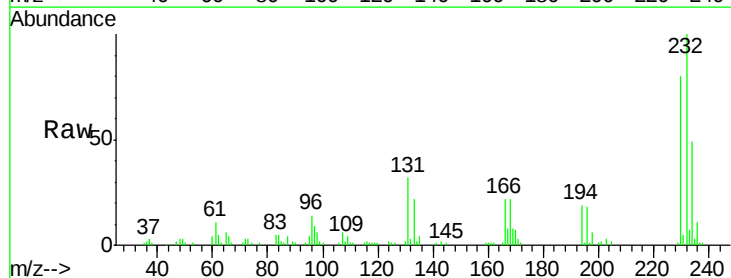
Ion Ratio Lower Upper

232 100

131 48.4 39.4 59.2

130 2.4 2.1 3.1

166 27.3 21.7 32.5

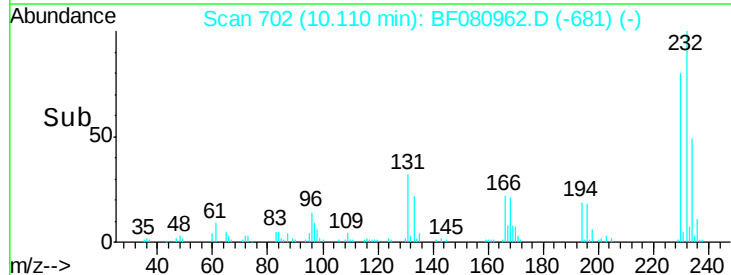
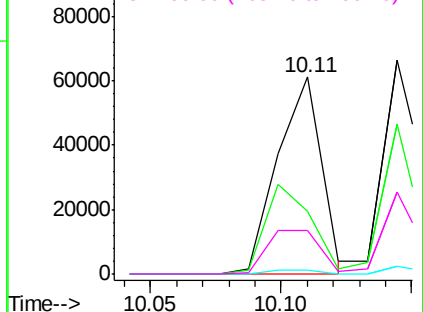


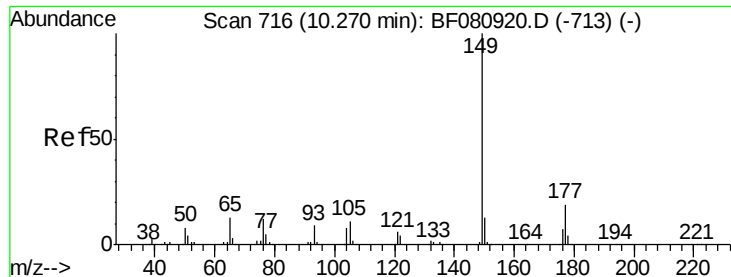
Abundance Ion 232.00 (231.70 to 232.70): E

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

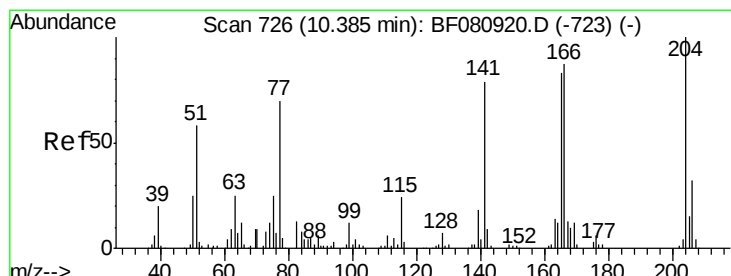
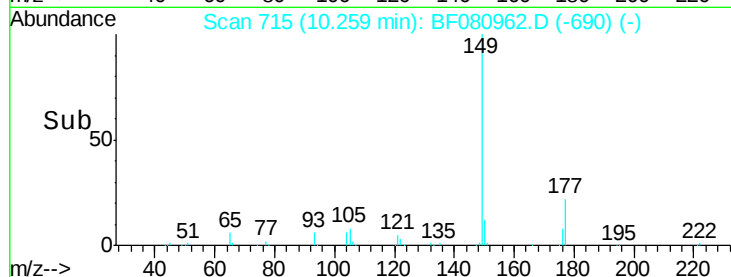
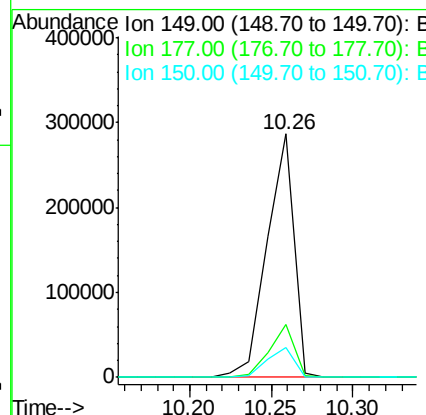
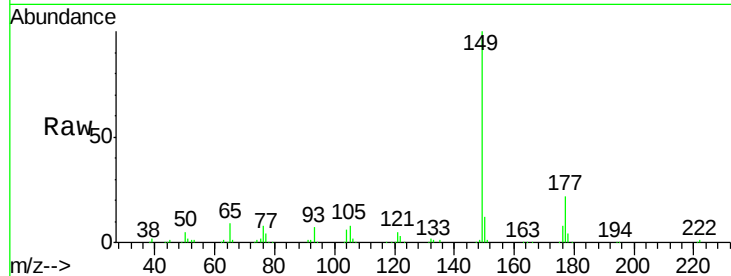




#59  
Diethylphthalate  
Concen: 36.97 ng  
RT: 10.26 min Scan# 715  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

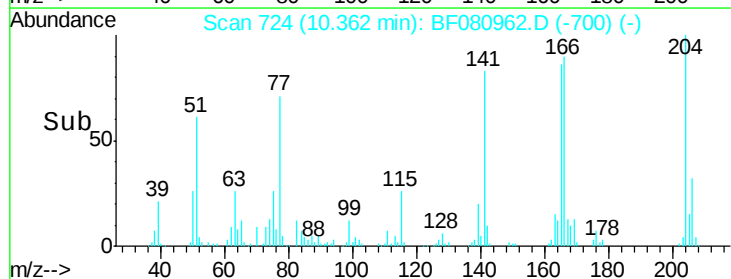
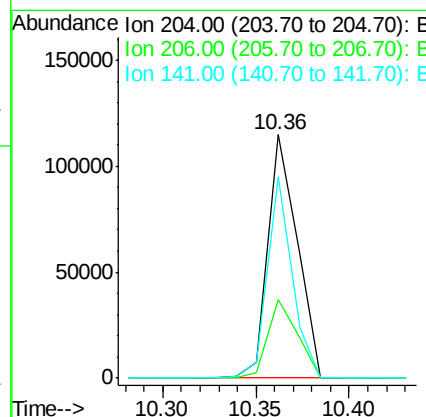
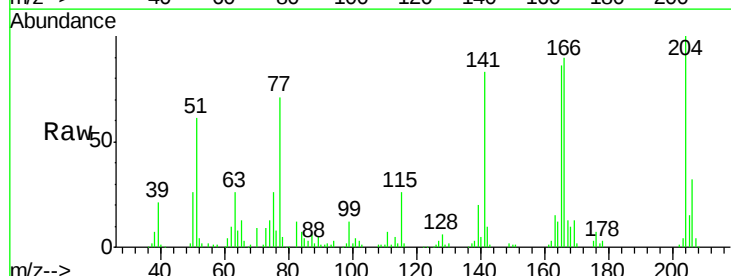
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

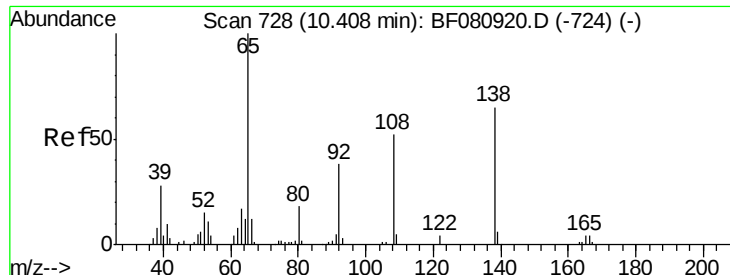
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.7  | 15.0  | 22.4  |
| 150     | 12.5  | 10.4  | 15.6  |



#60  
4-Chlorophenyl-phenylether  
Concen: 33.11 ng  
RT: 10.36 min Scan# 724  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 25.5  | 38.3  |
| 141     | 82.6  | 63.4  | 95.0  |

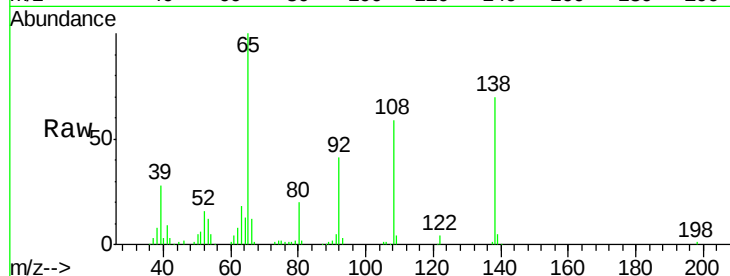




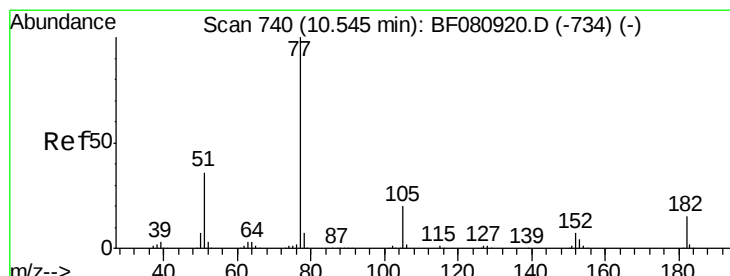
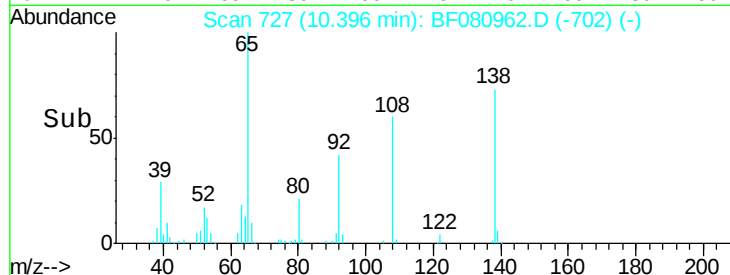
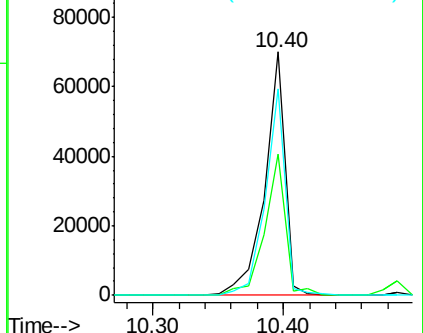
#61  
4-Nitroaniline  
Concen: 33.79 ng  
RT: 10.40 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

Tot Ion:138 Resp: 76213  
Ion Ratio Lower Upper  
138 100  
92 58.0 38.1 78.1  
108 84.6 59.9 99.9

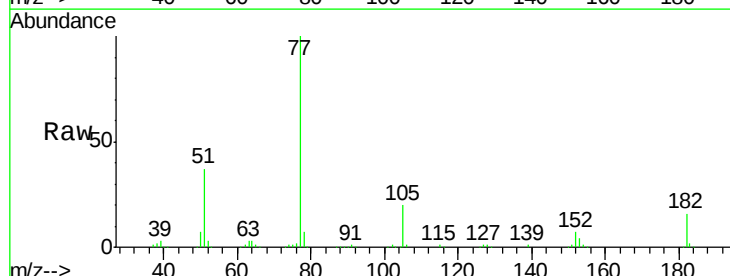


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

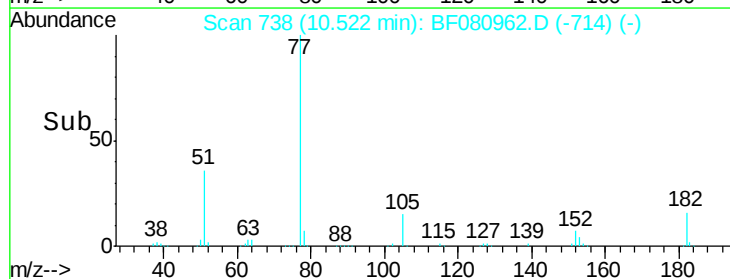
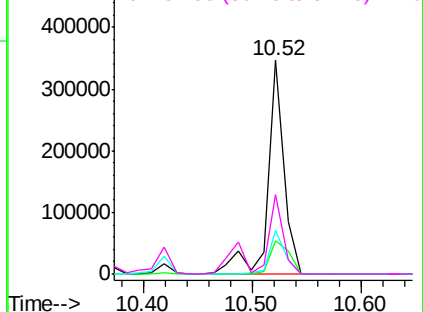


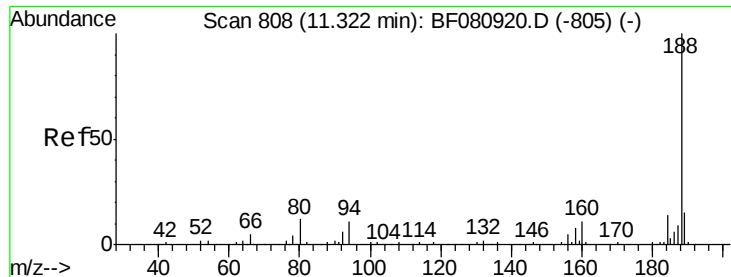
#62  
Azobenzene  
Concen: 36.05 ng  
RT: 10.52 min Scan# 738  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion: 77 Resp: 361063  
Ion Ratio Lower Upper  
77 100  
182 15.8 0.0 35.5  
105 20.1 0.5 40.5  
51 37.0 15.6 55.6



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

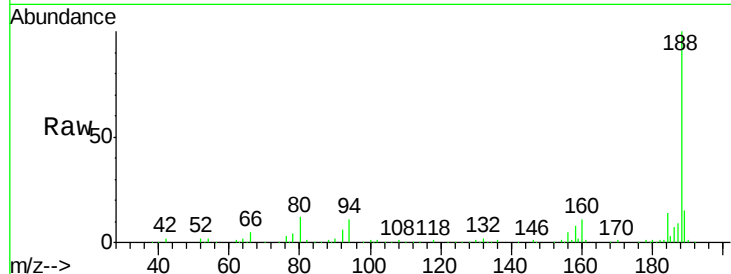




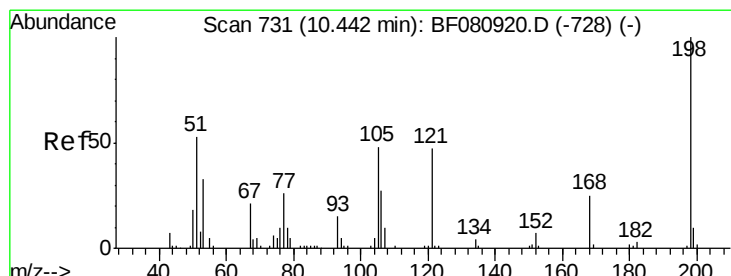
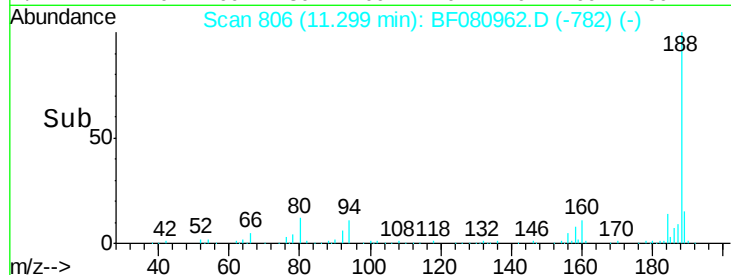
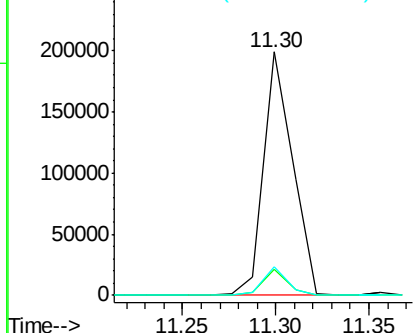
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 806  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Tot Ion:188 Resp: 214417  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 8.8 13.2  
 80 11.8 9.5 14.3

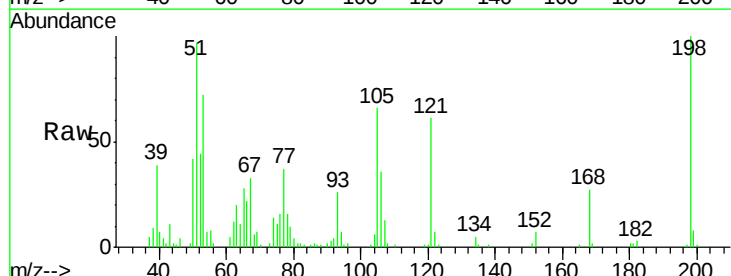


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

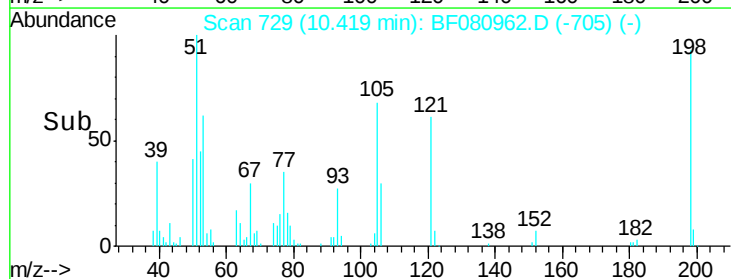
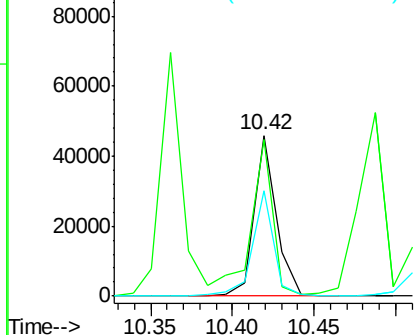


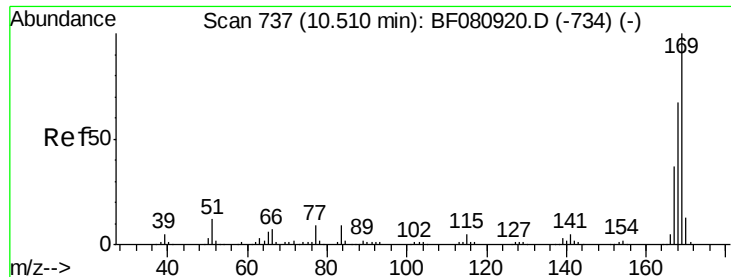
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 32.77 ng  
 RT: 10.42 min Scan# 729  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:198 Resp: 43540  
 Ion Ratio Lower Upper  
 198 100  
 51 97.2 40.3 80.3#  
 105 65.6 29.6 69.6



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: 36.74 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

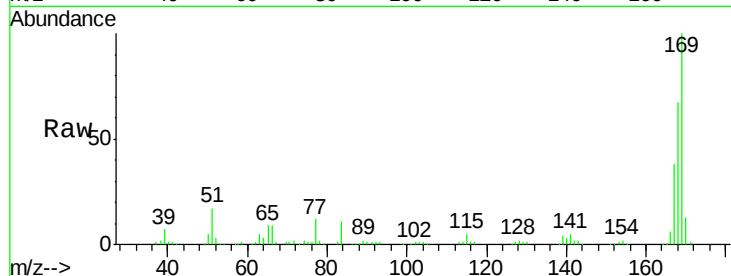
Tot Ion:169 Resp: 273682

Ion Ratio Lower Upper

169 100

168 66.9 53.7 80.5

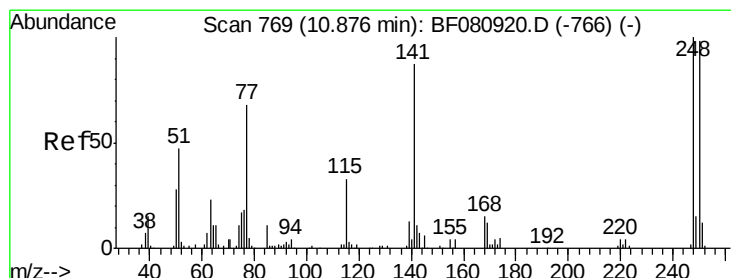
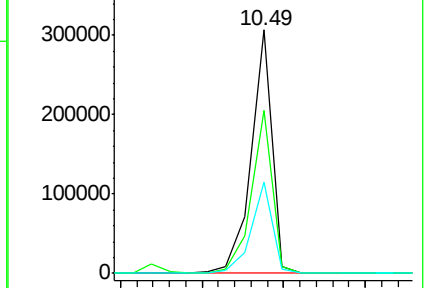
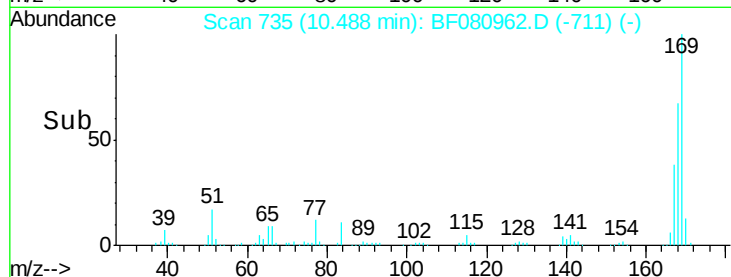
167 37.6 29.3 43.9



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: 37.19 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

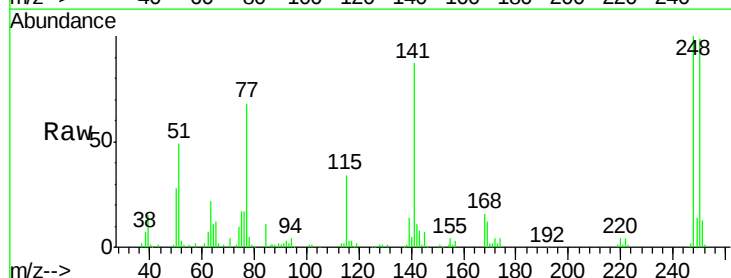
Tgt Ion:248 Resp: 84466

Ion Ratio Lower Upper

248 100

250 98.5 78.1 117.1

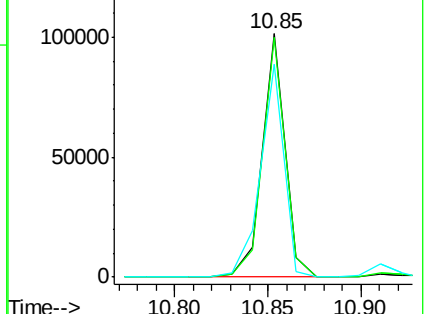
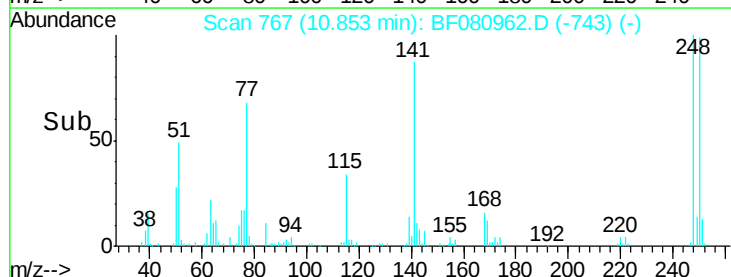
141 87.2 69.6 104.4

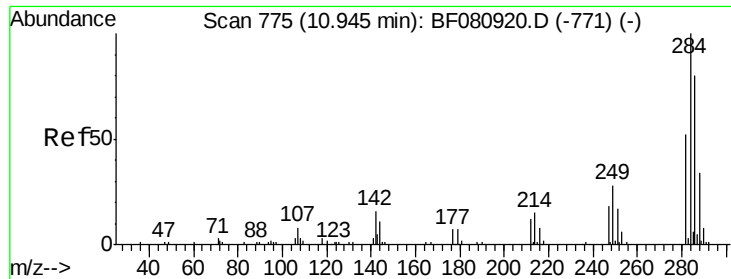


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

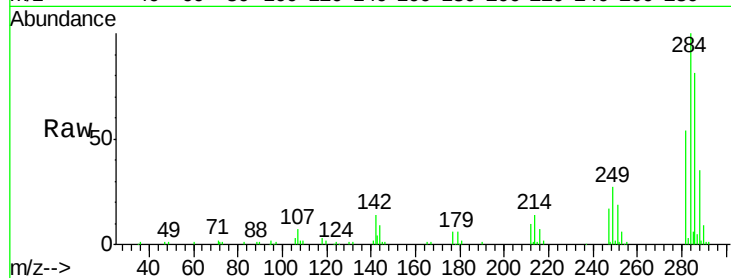




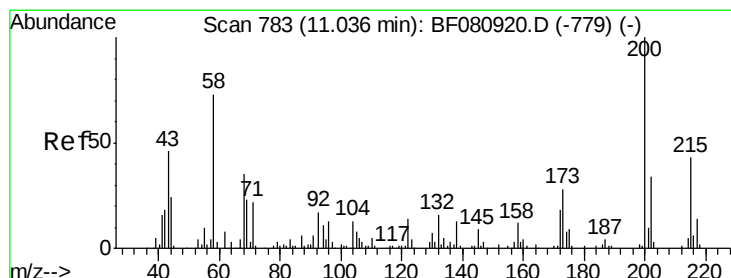
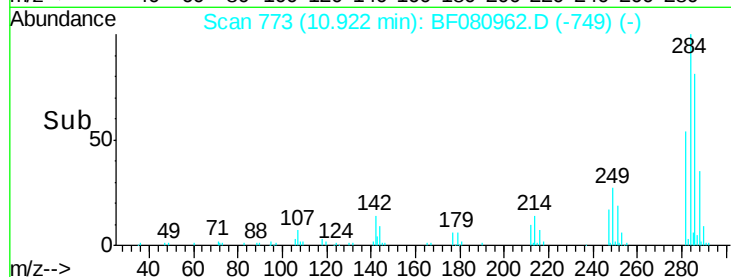
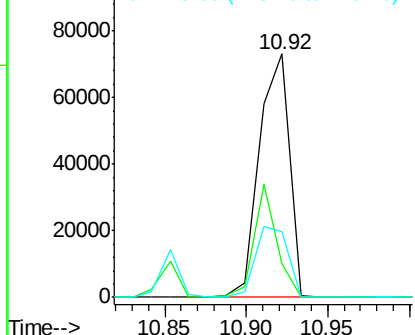
#67  
Hexachlorobenzene  
Concen: 37.17 ng  
RT: 10.92 min Scan# 773  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

Tot Ion:284 Resp: 93852  
Ion Ratio Lower Upper  
284 100  
142 13.8 12.8 19.2  
249 26.9 22.5 33.7

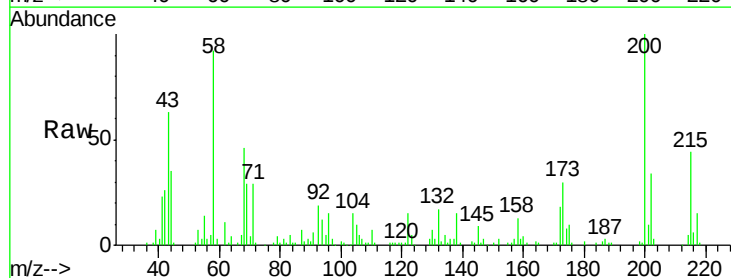


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

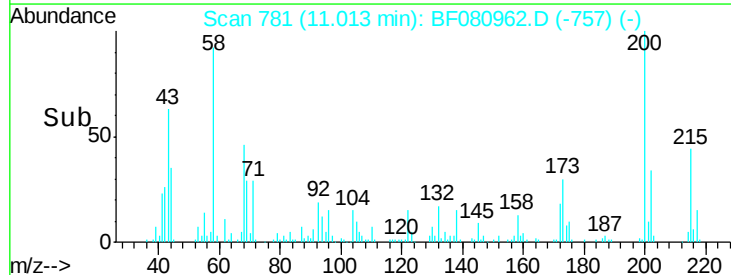
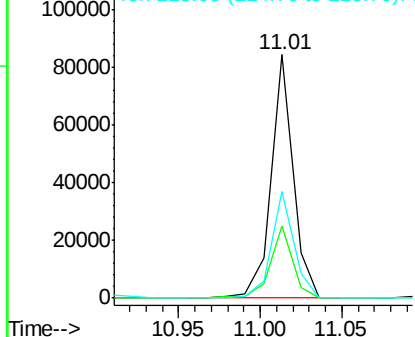


#68  
Atrazine  
Concen: 36.44 ng  
RT: 11.01 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:200 Resp: 79579  
Ion Ratio Lower Upper  
200 100  
173 29.6 8.4 48.4  
215 43.8 22.7 62.7



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

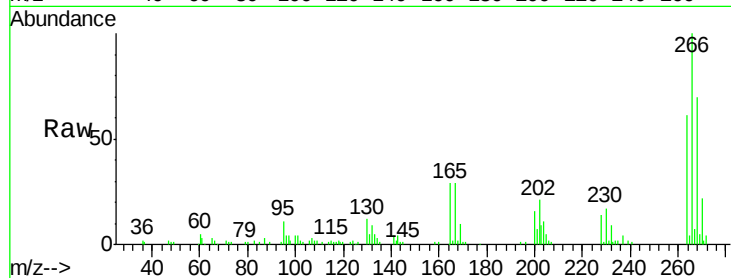




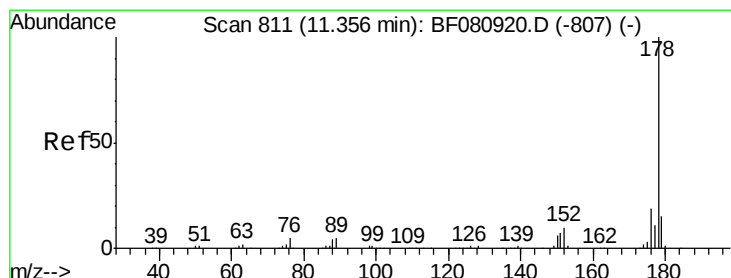
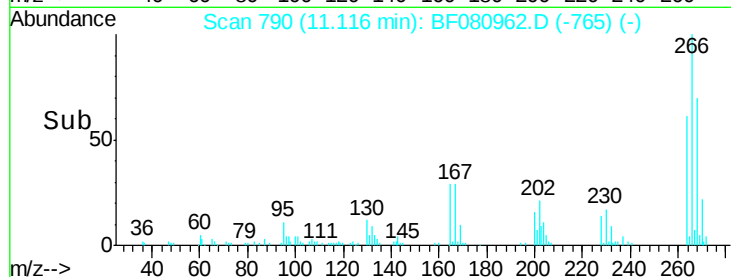
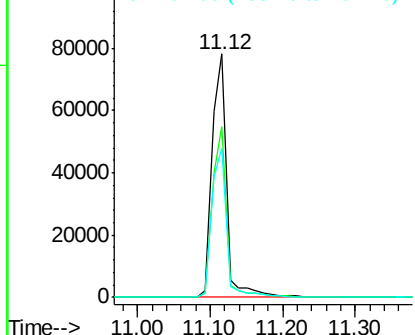
#69  
 Pentachlorophenol  
 Concen: 73.77 ng  
 RT: 11.12 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

Tot Ion:266 Resp: 108303  
 Ion Ratio Lower Upper  
 266 100  
 268 70.1 51.6 77.4  
 264 61.4 50.1 75.1

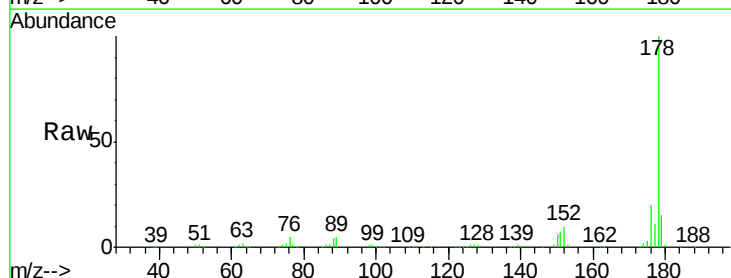


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

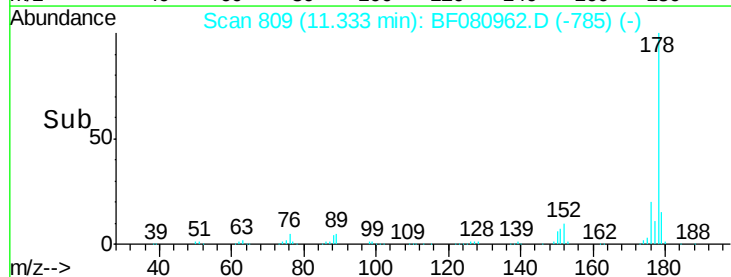
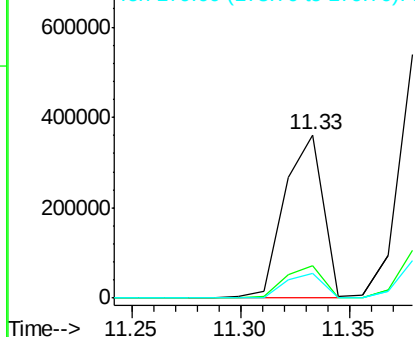


#70  
 Phenanthrene  
 Concen: 36.59 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:178 Resp: 444212  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.6 23.4  
 179 15.3 11.9 17.9



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

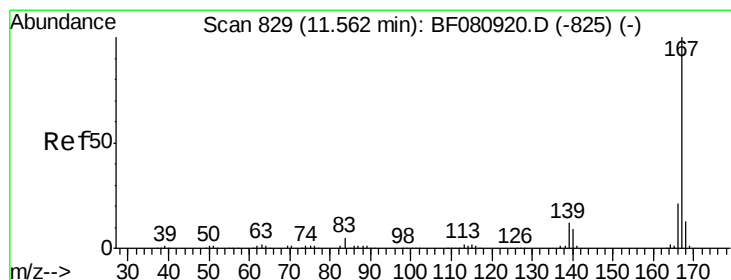
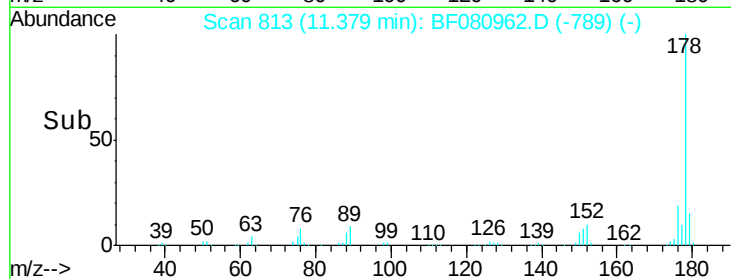
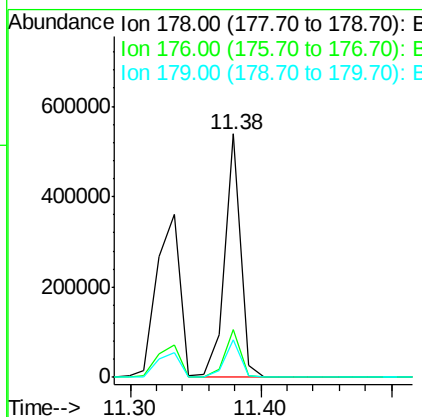
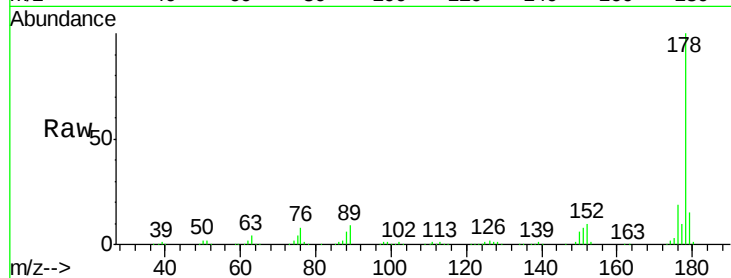




#71  
 Anthracene  
 Concen: 38.06 ng  
 RT: 11.38 min Scan# 813  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

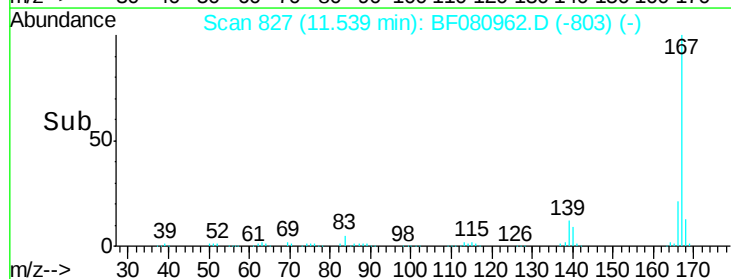
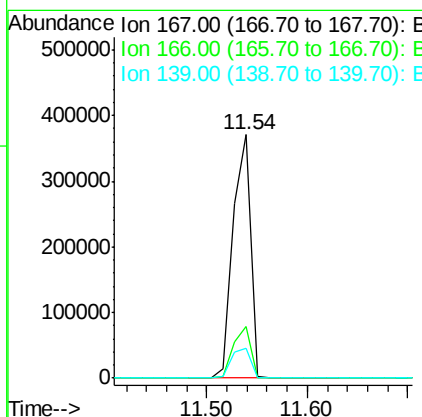
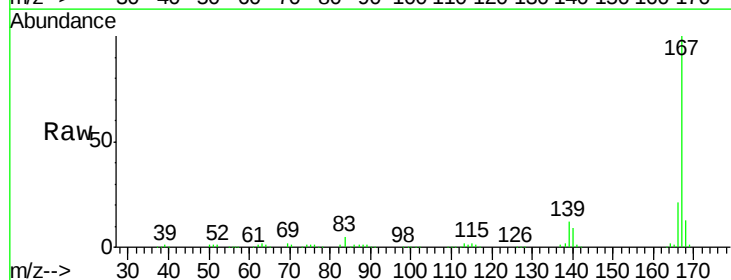
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

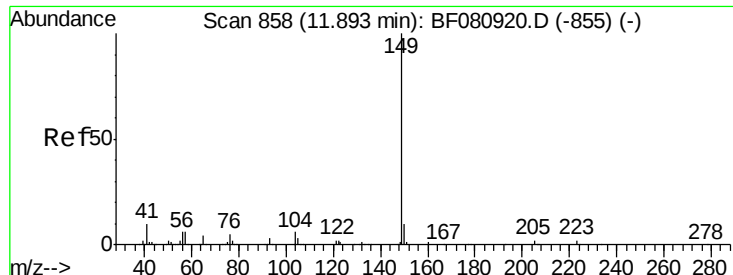
Tot Ion:178 Resp: 457547  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.5 23.3  
 179 15.4 12.6 18.8



#72  
 Carbazole  
 Concen: 38.65 ng  
 RT: 11.54 min Scan# 827  
 Delta R.T. -0.02 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:167 Resp: 452321  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.1 25.7  
 139 12.0 9.2 13.8





#73

Di-n-butylphthalate

Concen: 34.71 ng

RT: 11.87 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

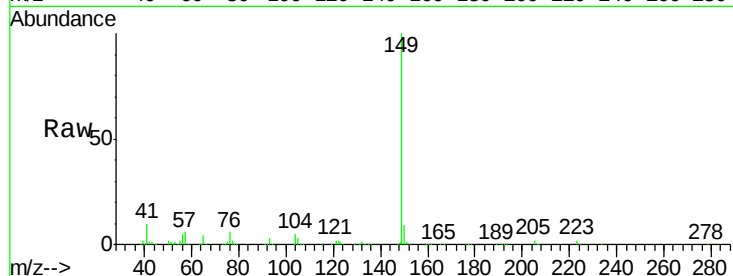
Tot Ion:149 Resp: 507985

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

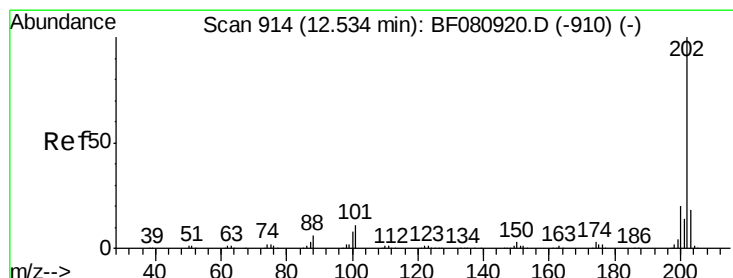
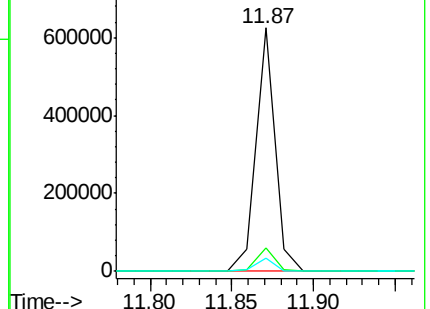
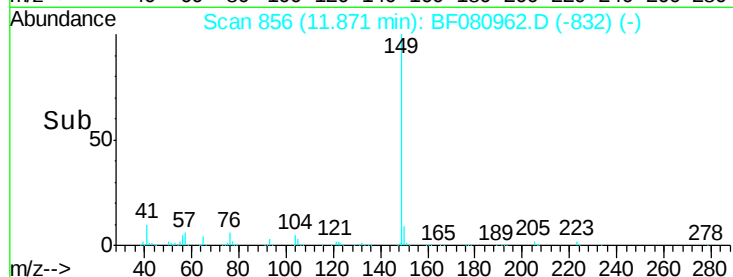
104 5.3 4.4 6.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.87 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

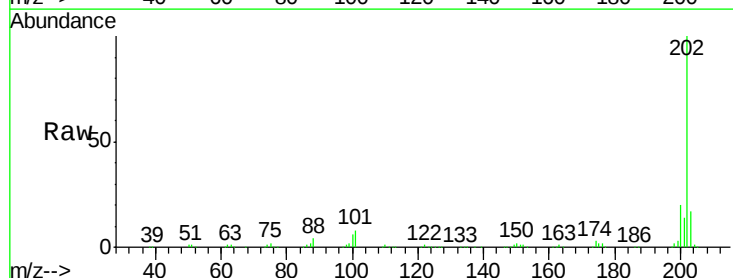
Tgt Ion:202 Resp: 536468

Ion Ratio Lower Upper

202 100

101 8.0 0.0 30.5

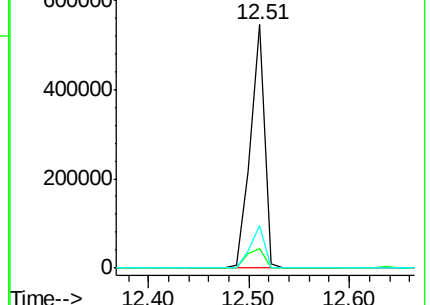
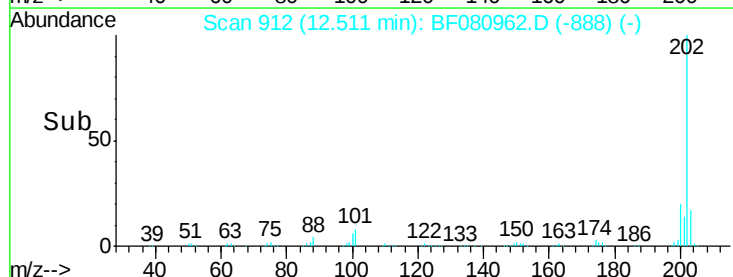
203 17.3 0.0 37.7

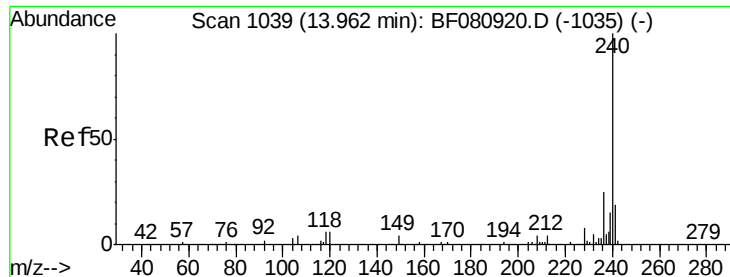


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

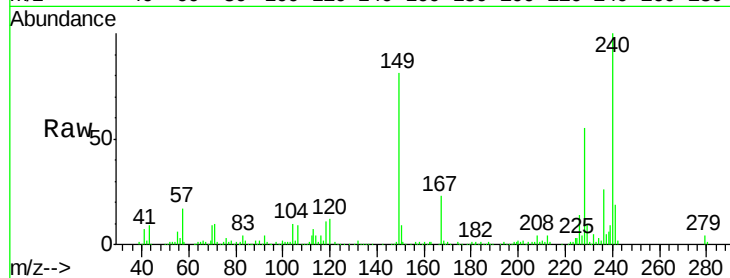
Tot Ion:240 Resp: 179012

Ion Ratio Lower Upper

240 100

120 12.4 5.2 7.8#

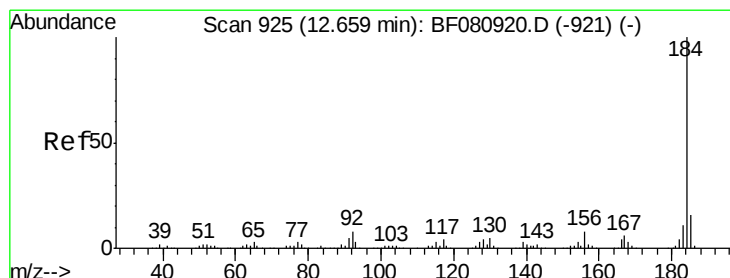
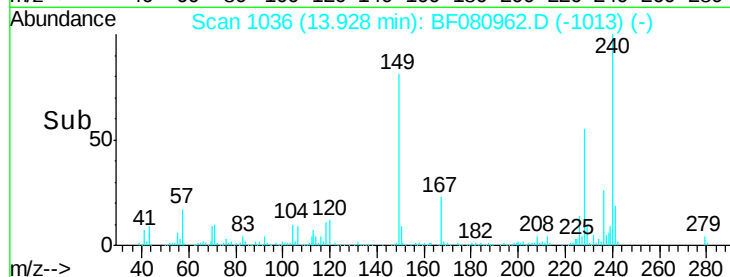
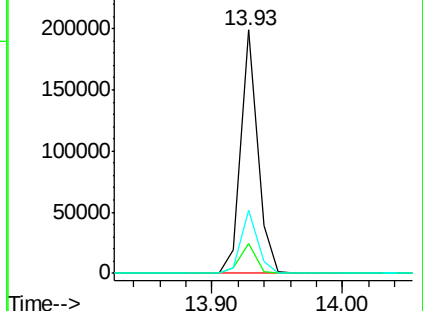
236 25.7 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 45.96 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

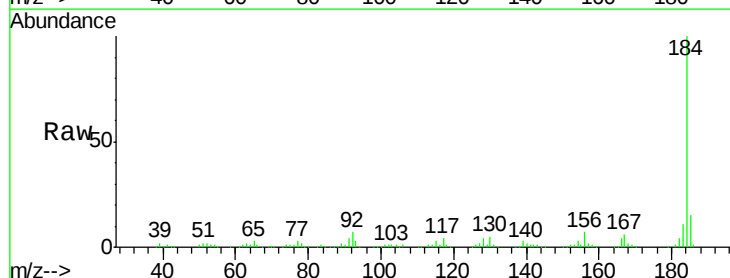
Tgt Ion:184 Resp: 331260

Ion Ratio Lower Upper

184 100

185 14.6 13.0 19.4

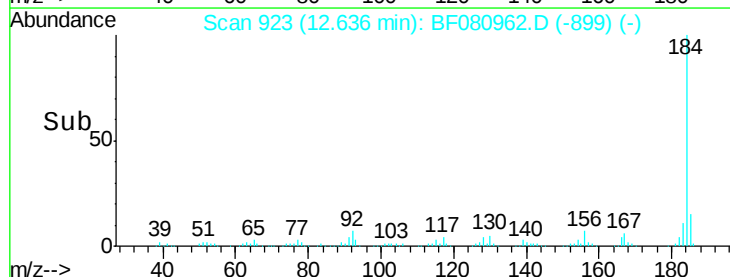
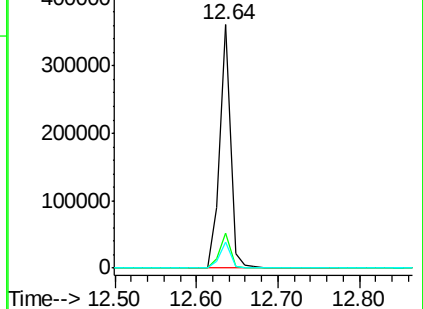
183 10.8 8.7 13.1

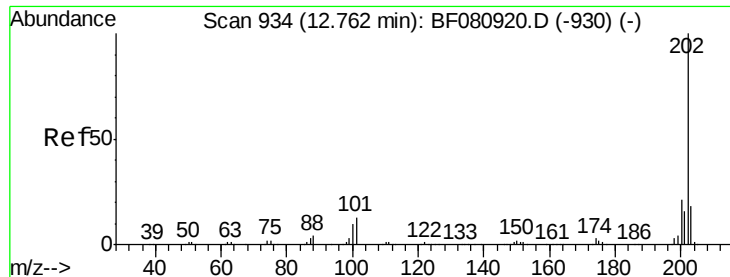


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 43.77 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

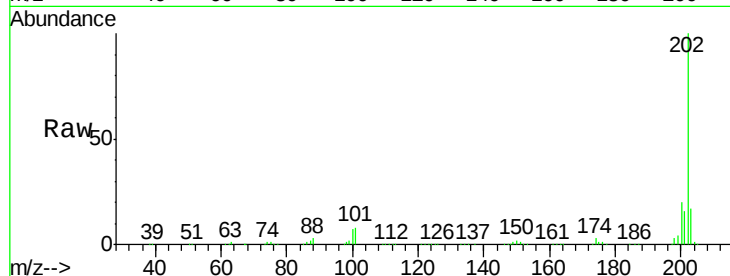
Tot Ion:202 Resp: 578875

Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

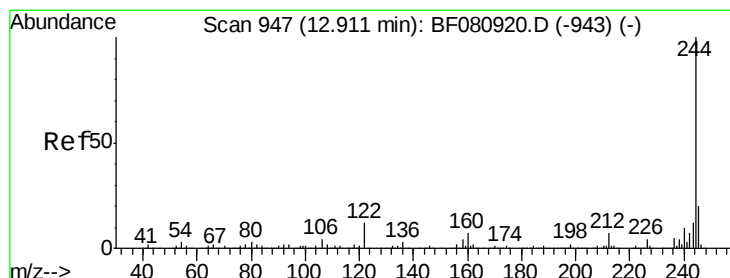
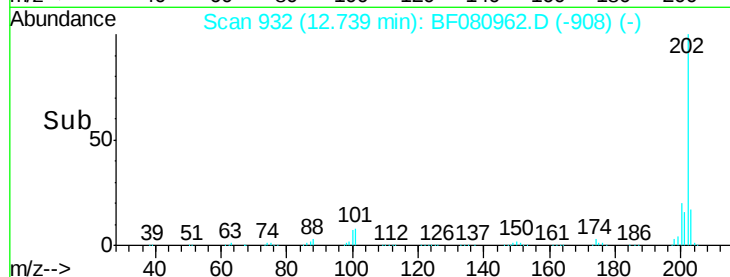
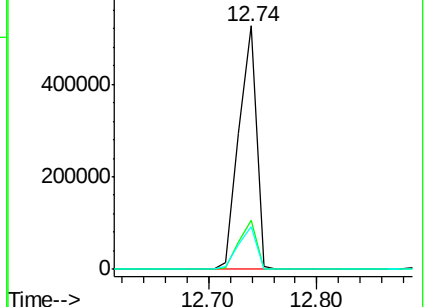
203 17.3 14.2 21.2



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: 81.29 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

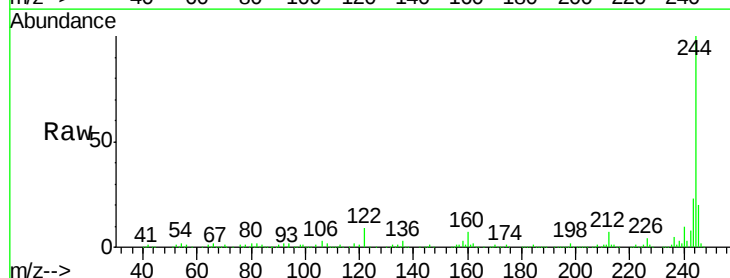
Tgt Ion:244 Resp: 704528

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

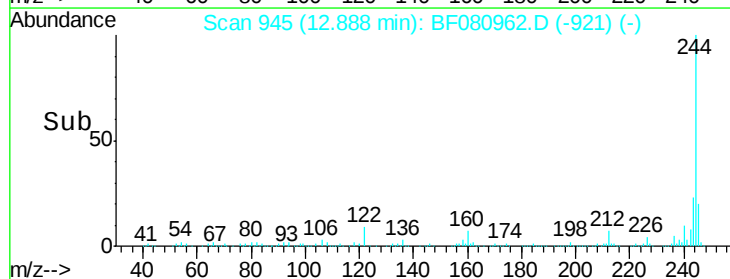
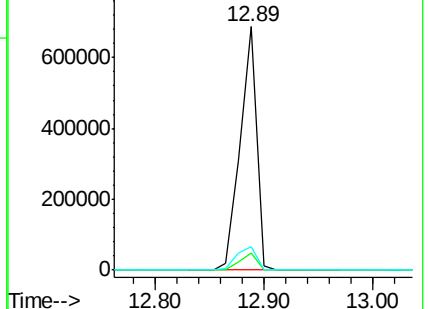
122 9.4 9.4 14.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

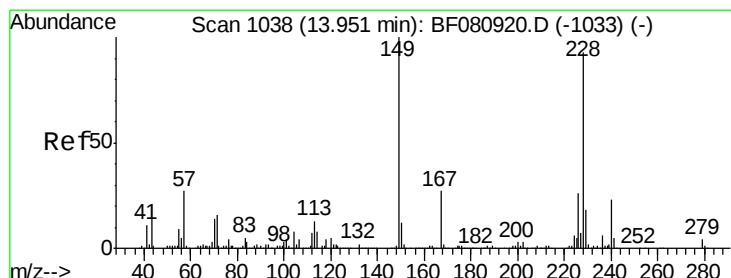
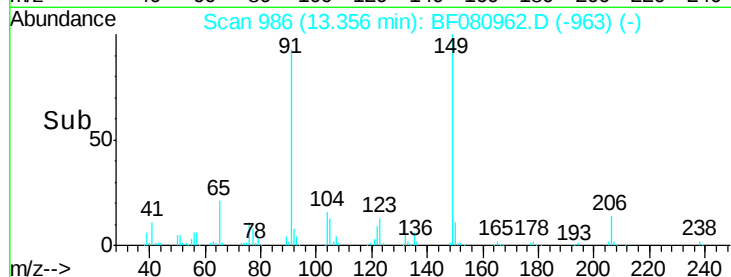
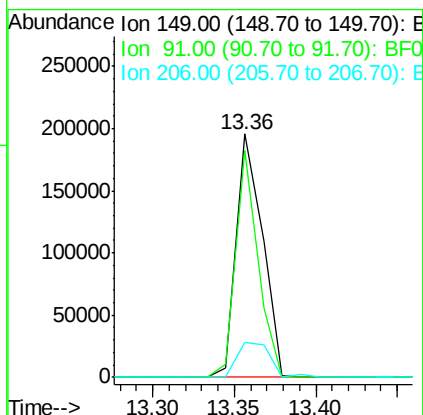
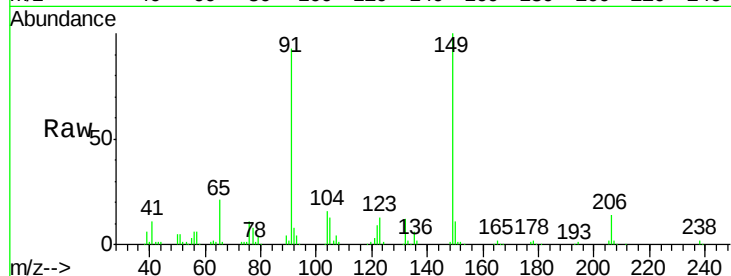




#79  
Butylbenzylphthalate  
Concen: 33.79 ng  
RT: 13.36 min Scan# 986  
Delta R.T. -0.03 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

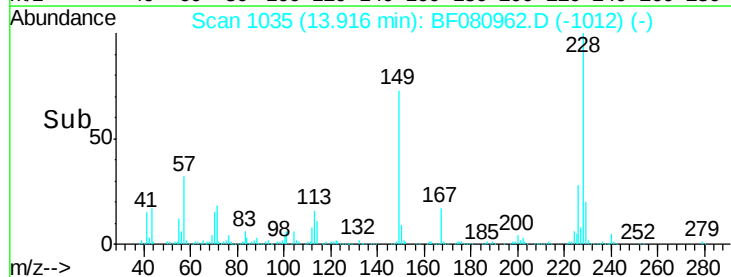
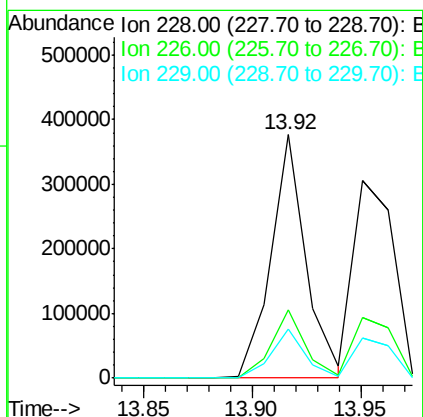
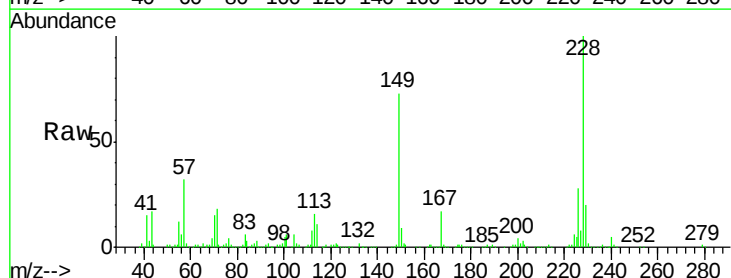
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

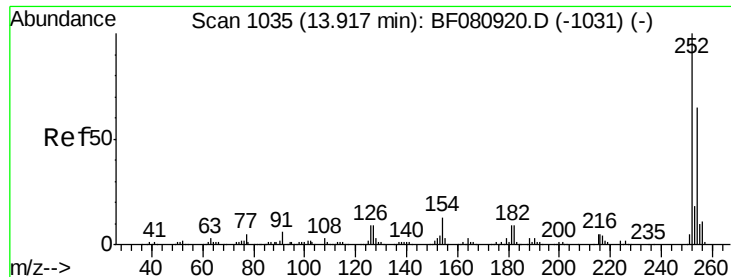
Tot Ion:149 Resp: 215404  
Ion Ratio Lower Upper  
149 100  
91 93.0 47.2 70.8#  
206 14.3 16.5 24.7#



#80  
Benzo(a)anthracene  
Concen: 37.56 ng  
RT: 13.92 min Scan# 1035  
Delta R.T. -0.03 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:228 Resp: 424704  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.2 33.2  
229 20.1 15.8 23.6

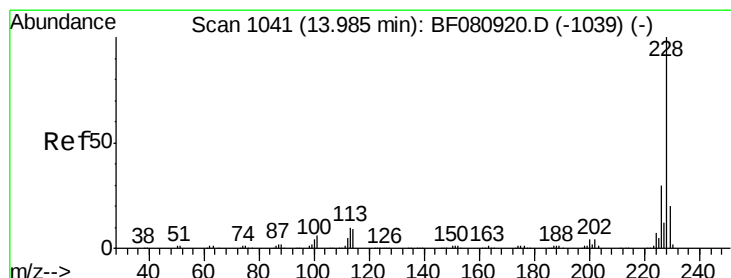
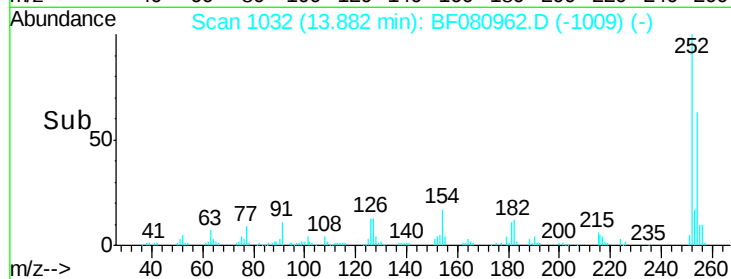
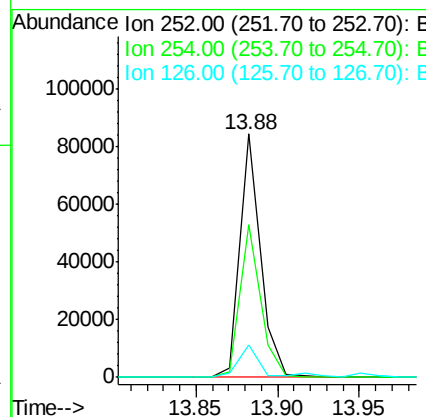
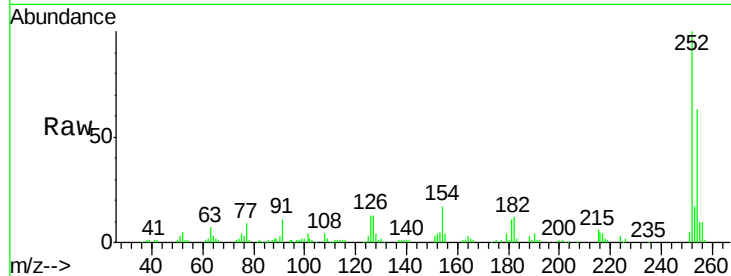




#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.79 ng  
 RT: 13.88 min Scan# 1032  
 Delta R.T. -0.03 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

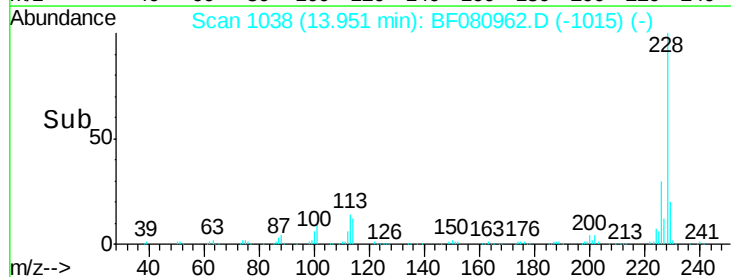
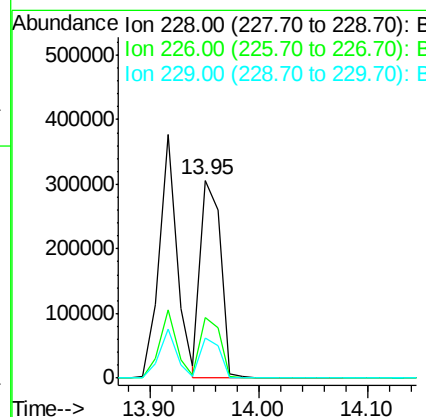
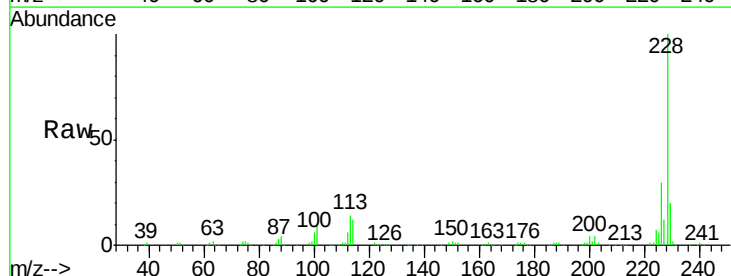
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB84904BS

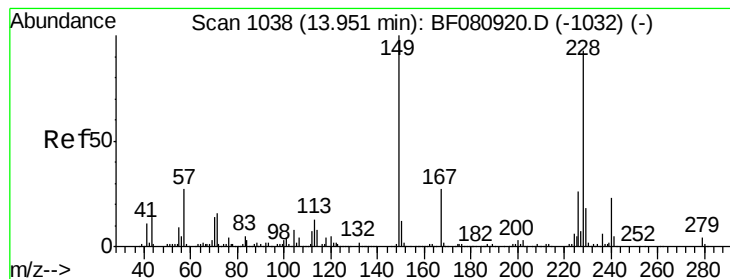
Tot Ion:252 Resp: 73186  
 Ion Ratio Lower Upper  
 252 100  
 254 62.8 51.7 77.5  
 126 13.5 7.1 10.7#



#82  
 Chrysene  
 Concen: 36.83 ng  
 RT: 13.95 min Scan# 1038  
 Delta R.T. -0.03 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

Tgt Ion:228 Resp: 398779  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 23.9 35.9  
 229 20.2 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 34.74 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

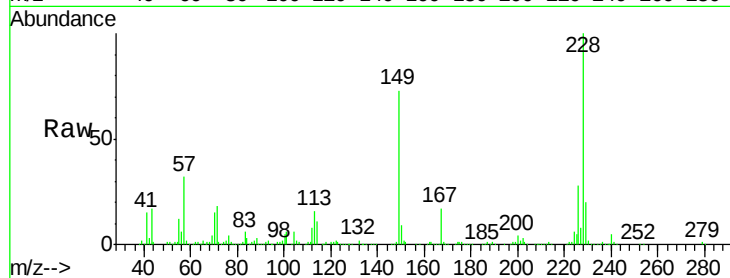
Tot Ion:149 Resp: 308125

Ion Ratio Lower Upper

149 100

167 24.1 21.4 32.0

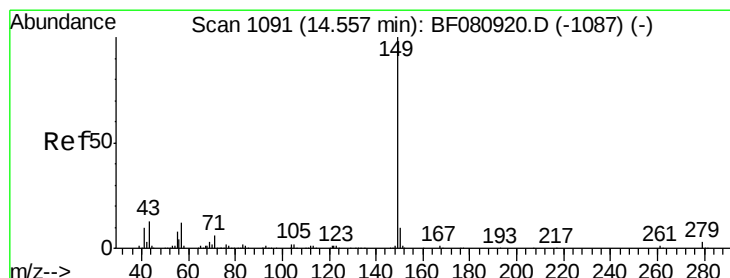
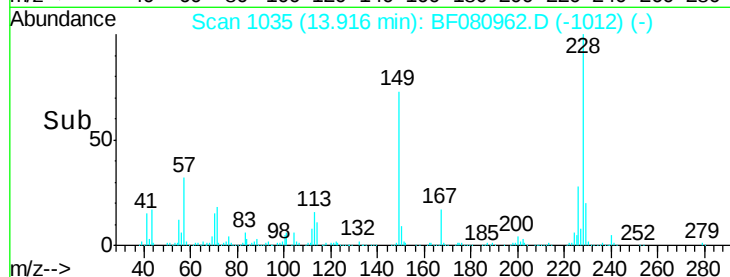
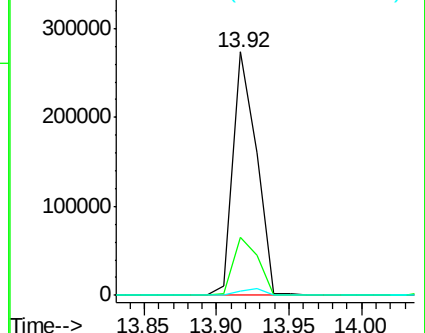
279 1.7 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 33.88 ng

RT: 14.53 min Scan# 1089

Delta R.T. -0.02 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

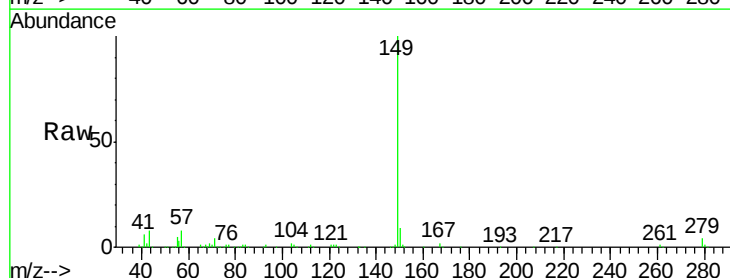
Tgt Ion:149 Resp: 509563

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

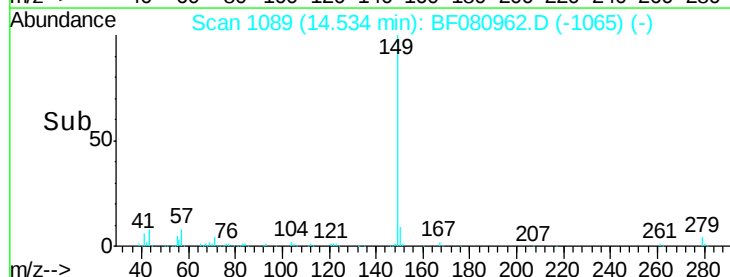
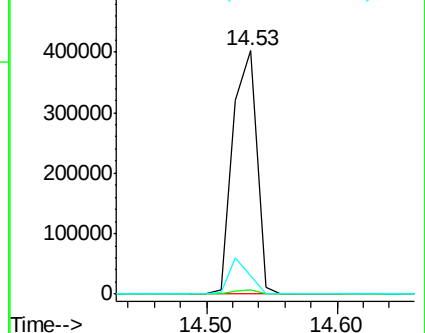
43 12.9 11.0 16.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

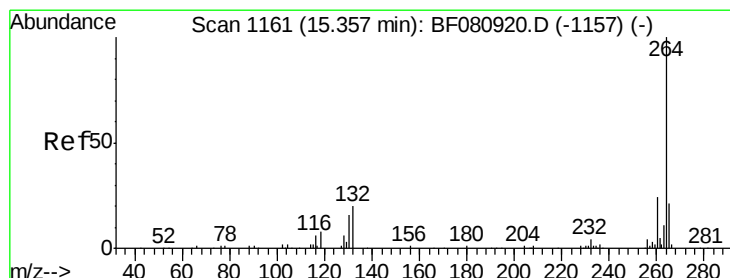
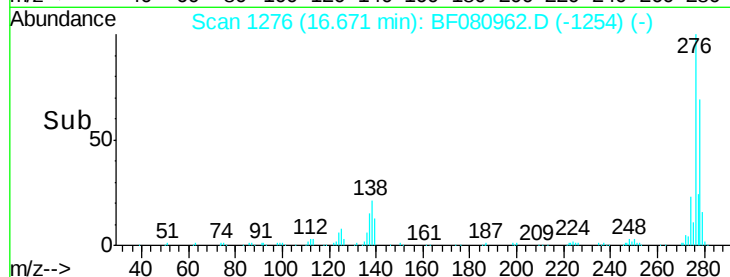
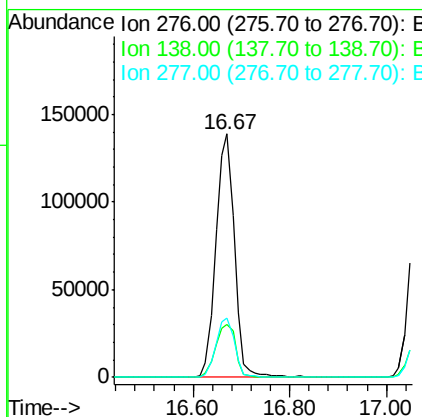
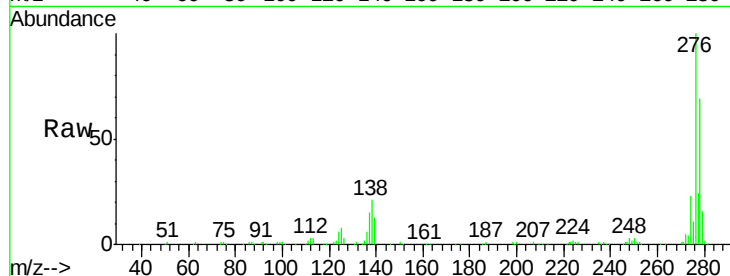




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.38 ng  
 RT: 16.67 min Scan# 1276  
 Delta R.T. -0.05 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

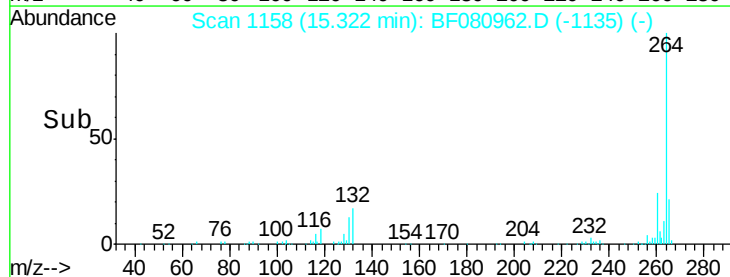
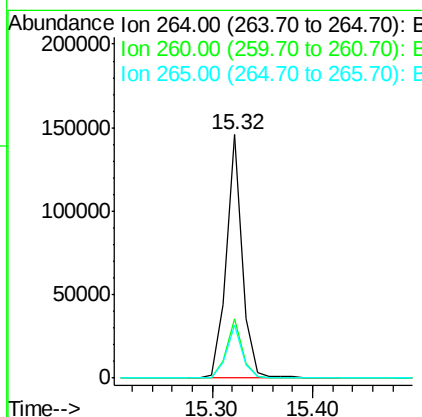
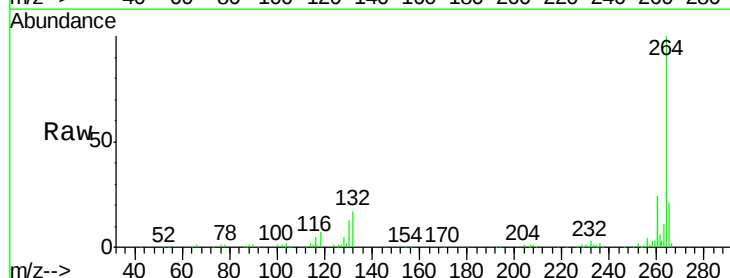
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84904BS

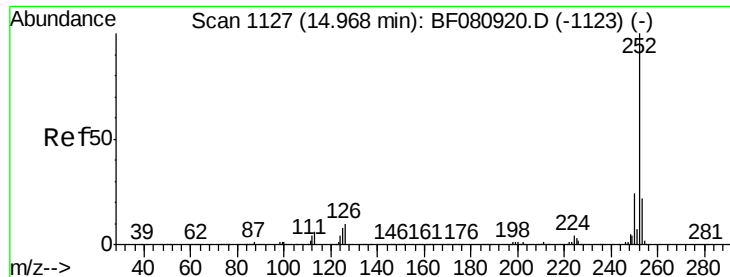
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.5  | 19.9  | 29.9  |
| 277     | 24.5  | 19.7  | 29.5  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1158  
 Delta R.T. -0.03 min  
 Lab File: BF080962.D  
 Acq: 11 Aug 2015 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.4  | 29.0  |
| 265     | 21.5  | 17.0  | 25.4  |

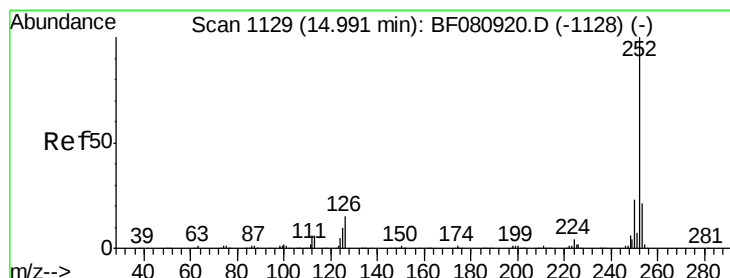
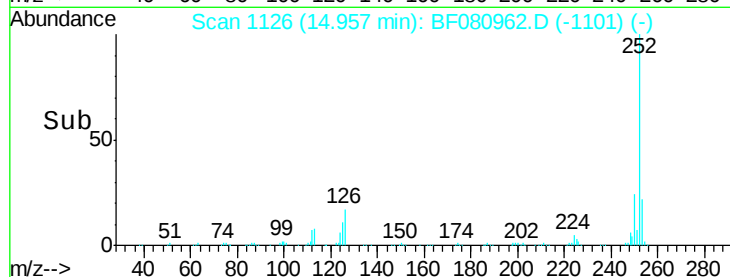
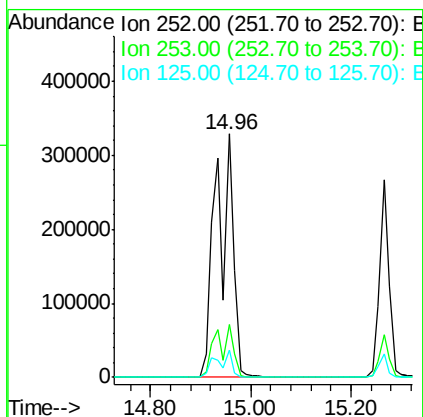
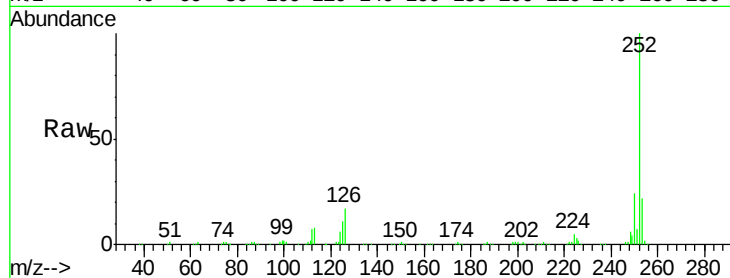




#87  
Benzo(b)fluoranthene  
Concen: 70.27 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

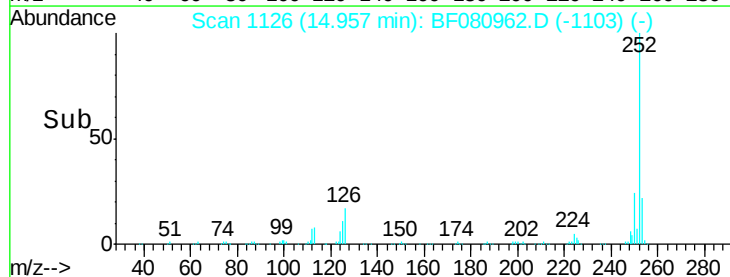
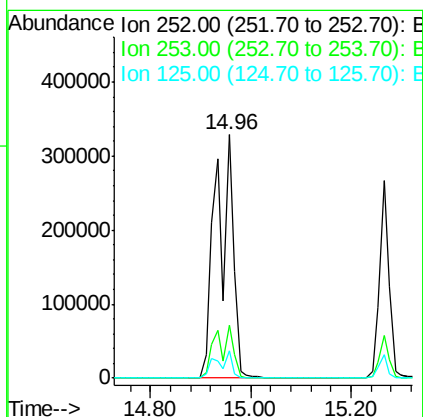
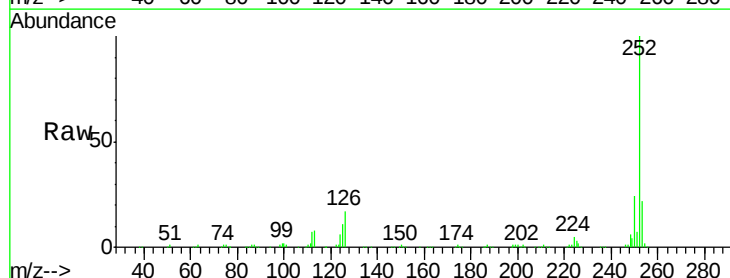
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

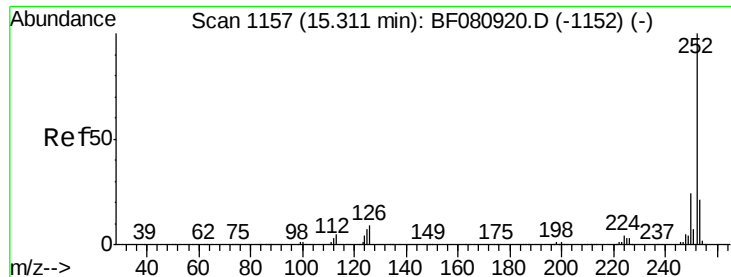
Tot Ion:252 Resp: 781586  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.6 26.4  
125 11.3 6.1 9.1#



#88  
Benzo(k)fluoranthene  
Concen: 80.32 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. -0.03 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:252 Resp: 781586  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.2  
125 11.3 9.0 13.6

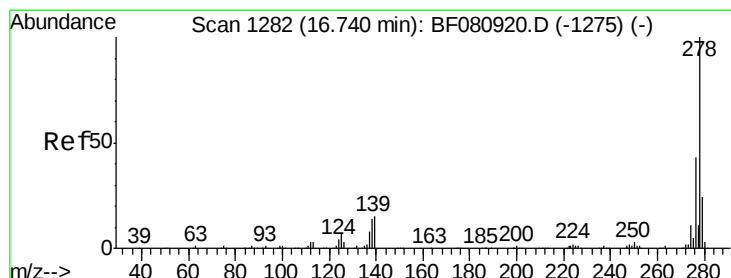
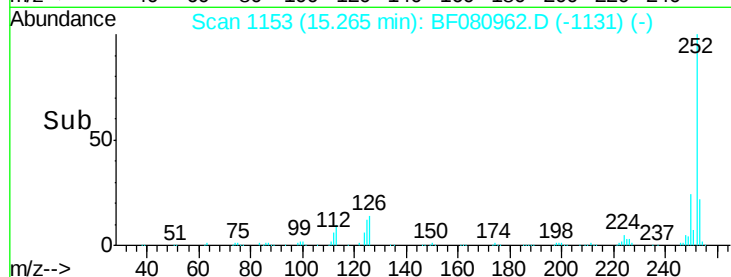
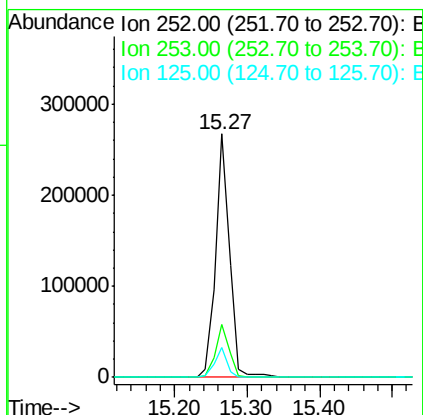
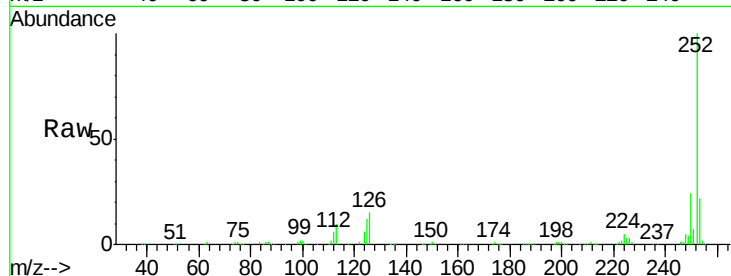




#89  
Benzo(a)pyrene  
Concen: 37.16 ng  
RT: 15.27 min Scan# 1153  
Delta R.T. -0.05 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

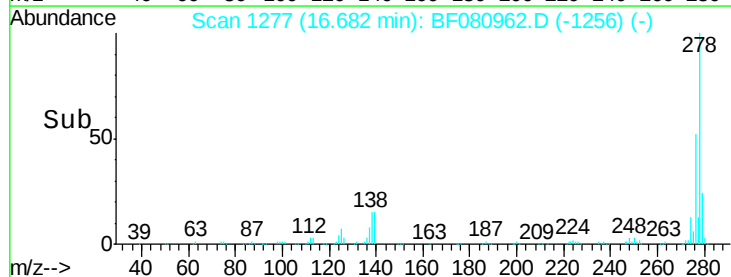
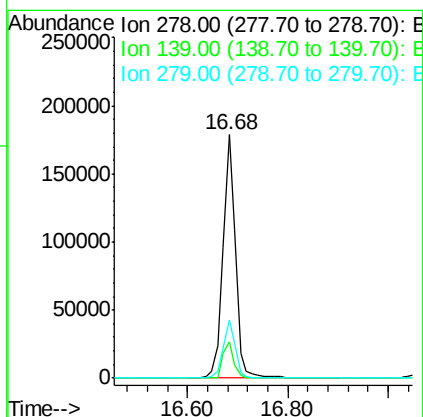
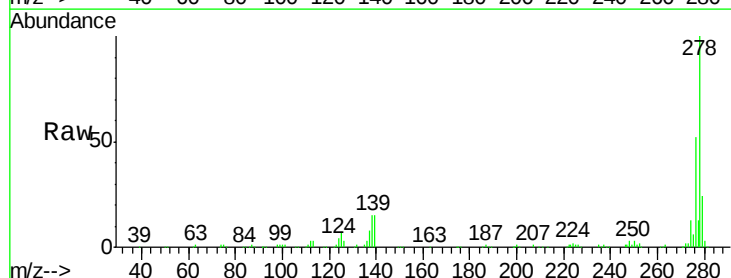
Instrument :  
BNA\_F  
ClientSampleId :  
PB84904BS

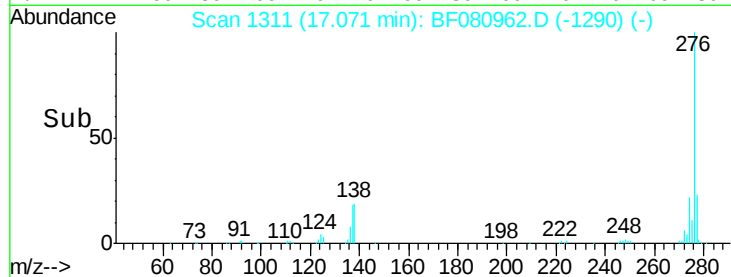
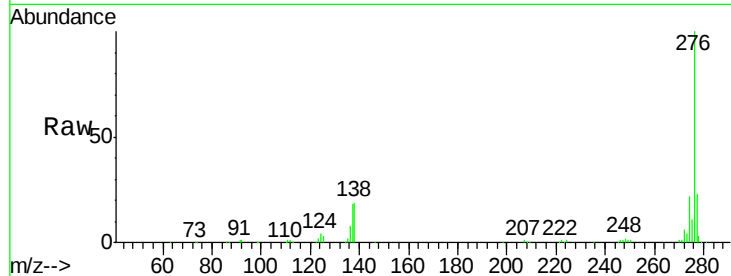
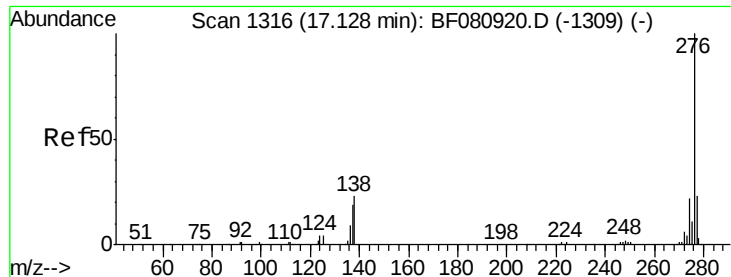
Tot Ion:252 Resp: 355222  
Ion Ratio Lower Upper  
252 100  
253 21.8 16.9 25.3  
125 12.1 5.8 8.8#



#90  
Dibenzo(a,h)anthracene  
Concen: 36.73 ng  
RT: 16.68 min Scan# 1277  
Delta R.T. -0.06 min  
Lab File: BF080962.D  
Acq: 11 Aug 2015 15:25

Tgt Ion:278 Resp: 310531  
Ion Ratio Lower Upper  
278 100  
139 15.1 11.9 17.9  
279 23.9 19.0 28.6





#91

Benzo(a,h,i)perylene

Concen: 37.19 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF080962.D

Acq: 11 Aug 2015 15:25

Instrument :

BNA\_F

ClientSampleId :

PB84904BS

Tot Ion: 276 Resp: 305880

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 19.0 18.4 27.6

