

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020516\  
 Data File : BF084874.D  
 Acq On : 5 Feb 2016 21:56  
 Operator : SJ/IZ  
 Sample : PB88197BSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Quant Time: Feb 05 23:41:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 171754   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.95  | 136  | 720740   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.70  | 164  | 317004   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.17 | 188  | 568660   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.80 | 240  | 340323   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.17 | 264  | 331701   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1028207 | 93.25  | ng | -0.01 |
| 7) Phenol-d6             | 6.32  | 99  | 1203792 | 88.06  | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.24  | 82  | 1158996 | 90.59  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 269689  | 81.56  | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 9.04  | 172 | 1950266 | 120.18 | ng | -0.02 |
| 78) Terphenyl-d14        | 12.76 | 244 | 1467265 | 97.70  | ng | -0.03 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.22 | 88  | 162594  | 33.66 | ng | # 75   |
| 3) Pyridine                    | 2.86 | 79  | 532046  | 42.28 | ng | # 66   |
| 4) n-Nitrosodimethylamine      | 2.83 | 42  | 273515  | 42.02 | ng | 80     |
| 6) Aniline                     | 6.33 | 93  | 496198  | 29.66 | ng | # 69   |
| 8) 2-Chlorophenol              | 6.45 | 128 | 551029  | 44.15 | ng | 95     |
| 9) Benzaldehyde                | 6.20 | 77  | 179376  | 22.22 | ng | 98     |
| 10) Phenol                     | 6.34 | 94  | 611040  | 39.90 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 515535  | 43.17 | ng | 85     |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146 | 558754  | 42.37 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.60 | 146 | 558754  | 42.38 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146 | 477243  | 38.87 | ng | 96     |
| 15) Benzyl Alcohol             | 6.82 | 79  | 408558  | 43.28 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 792138  | 39.43 | ng | 91     |
| 17) 2-Methylphenol             | 6.94 | 107 | 446735  | 45.26 | ng | # 93   |
| 18) Hexachloroethane           | 7.17 | 117 | 212919  | 41.94 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70  | 352296  | 41.11 | ng | # 74   |
| 20) 3+4-Methylphenols          | 7.10 | 107 | 565291  | 46.14 | ng | 89     |
| 22) Acetophenone               | 7.08 | 105 | 745280  | 39.23 | ng | # 98   |
| 24) Nitrobenzene               | 7.25 | 77  | 507655  | 37.05 | ng | 96     |
| 25) Isophorone                 | 7.50 | 82  | 1025624 | 41.23 | ng | 95     |
| 26) 2-Nitrophenol              | 7.57 | 139 | 305207  | 45.17 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 487272  | 41.46 | ng | 89     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 617094  | 41.81 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.82 | 162 | 433149  | 43.07 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 7.89 | 180 | 444411  | 39.13 | ng | 97     |
| 31) Naphthalene                | 7.97 | 128 | 1489261 | 41.19 | ng | 99     |
| 32) Benzoic acid               | 7.78 | 122 | 323597  | 43.04 | ng | 99     |
| 33) 4-Chloroaniline            | 8.03 | 127 | 243926  | 16.31 | ng | 94     |
| 34) Hexachlorobutadiene        | 8.10 | 225 | 265157  | 40.48 | ng | 99     |
| 35) Caprolactam                | 8.42 | 113 | 106935  | 34.50 | ng | # 72   |
| 36) 4-Chloro-3-methylphenol    | 8.53 | 107 | 514631  | 44.86 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 959809  | 42.42 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 412682  | 40.99 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 404260  | 87.57 | ng | 99     |

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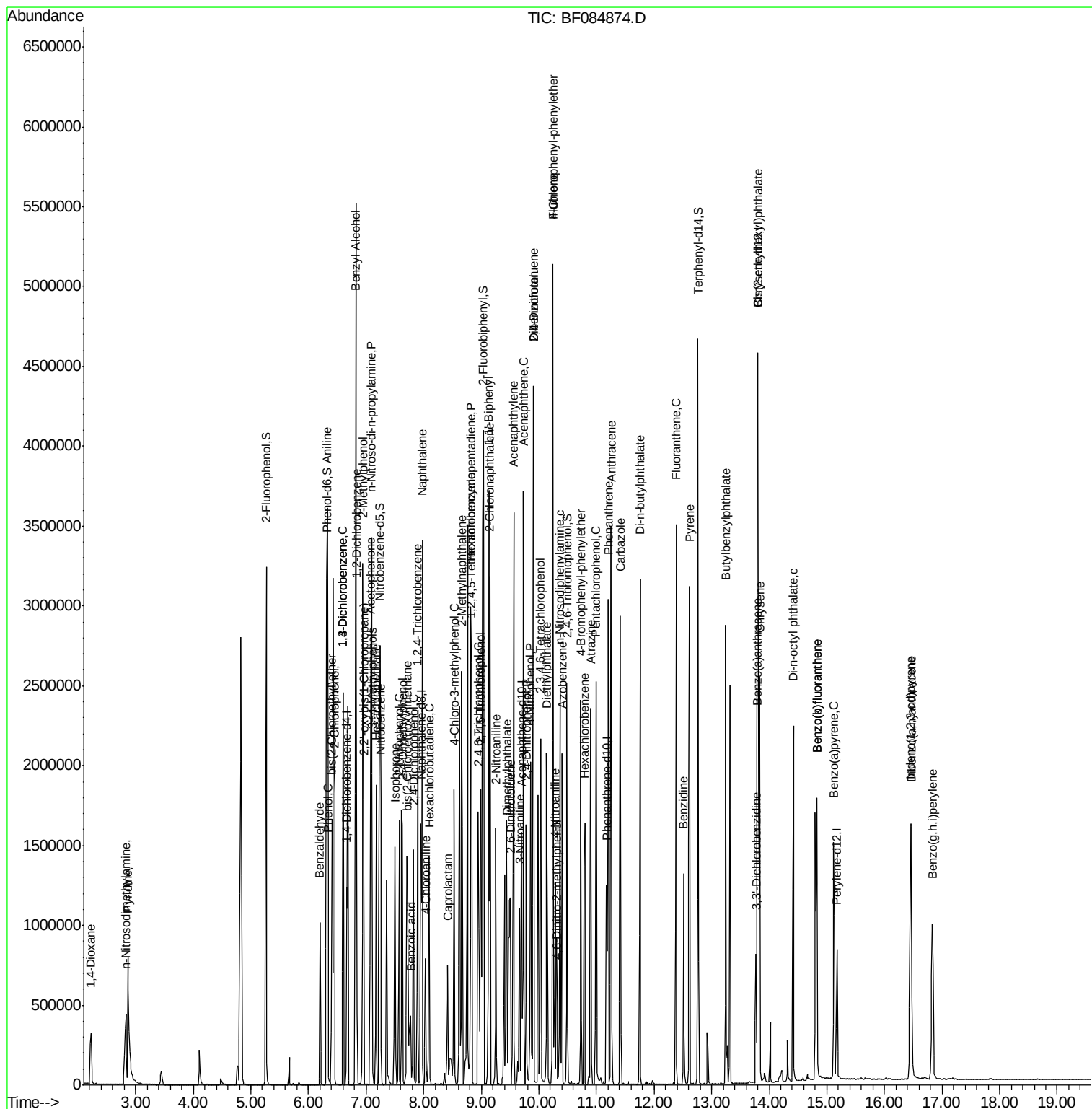
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.94  | 196  | 278249   | 42.90 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 8.99  | 196  | 282273   | 42.83 | ng    | # 83     |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 1101026  | 38.89 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 887115   | 42.54 | ng    | 94       |
| 47) 2-Nitroaniline             | 9.25  | 65   | 276308   | 41.85 | ng    | 95       |
| 48) Acenaphthylene             | 9.56  | 152  | 1247697  | 39.43 | ng    | 98       |
| 49) Dimethylphthalate          | 9.45  | 163  | 1074123  | 44.49 | ng    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.50  | 165  | 248021   | 47.02 | ng    | 97       |
| 51) Acenaphthene               | 9.73  | 154  | 814981   | 39.59 | ng    | 97       |
| 52) 3-Nitroaniline             | 9.66  | 138  | 153839   | 25.96 | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 206951   | 84.65 | ng    | # 89     |
| 54) Dibenzofuran               | 9.90  | 168  | 1072123  | 42.61 | ng    | 90       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 312469   | 71.73 | ng    | # 77     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 297611   | 44.24 | ng    | # 81     |
| 57) Fluorene                   | 10.25 | 166  | 890722   | 42.39 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 243024   | 48.44 | ng    | 93       |
| 59) Diethylphthalate           | 10.13 | 149  | 991905   | 42.07 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204  | 452213   | 52.43 | ng    | 90       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 227573   | 39.40 | ng    | 94       |
| 62) Azobenzene                 | 10.41 | 77   | 1108201  | 48.88 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 161981   | 46.15 | ng    | 71       |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 799233   | 44.26 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 271883   | 43.29 | ng    | # 75     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 323031   | 47.20 | ng    | # 90     |
| 68) Atrazine                   | 10.90 | 200  | 244303   | 42.84 | ng    | 98       |
| 69) Pentachlorophenol          | 10.99 | 266  | 266303   | 82.80 | ng    | 97       |
| 70) Phenanthrene               | 11.21 | 178  | 1484184  | 47.06 | ng    | 97       |
| 71) Anthracene                 | 11.25 | 178  | 1295055  | 40.75 | ng    | 98       |
| 72) Carbazole                  | 11.41 | 167  | 1112486  | 40.14 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 1578754  | 44.75 | ng    | # 97     |
| 74) Fluoranthene               | 12.39 | 202  | 1367458  | 42.84 | ng    | 97       |
| 76) Benzidine                  | 12.51 | 184  | 507318   | 42.76 | ng    | 99       |
| 77) Pyrene                     | 12.61 | 202  | 1438088  | 55.19 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.24 | 149  | 596893   | 50.50 | ng    | 93       |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 1032346  | 48.87 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 196718   | 26.30 | ng    | # 96     |
| 82) Chrysene                   | 13.84 | 228  | 1028742  | 50.23 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 737655   | 50.15 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 1226667  | 50.55 | ng    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 930267   | 57.70 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.83 | 252  | 1751832  | 78.60 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 1751832  | 95.07 | ng    | # 95     |
| 89) Benzo(a)pyrene             | 15.12 | 252  | 816684   | 43.01 | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 764449   | 47.82 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 16.83 | 276  | 785640   | 48.79 | ng    | 99       |

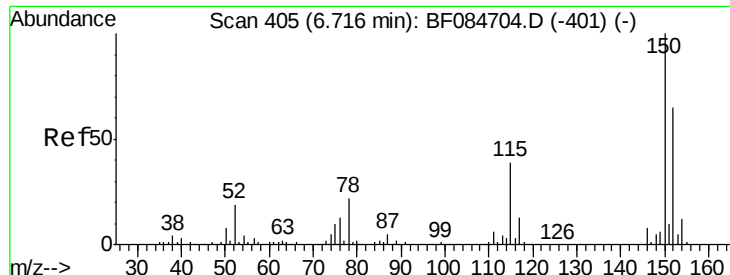
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

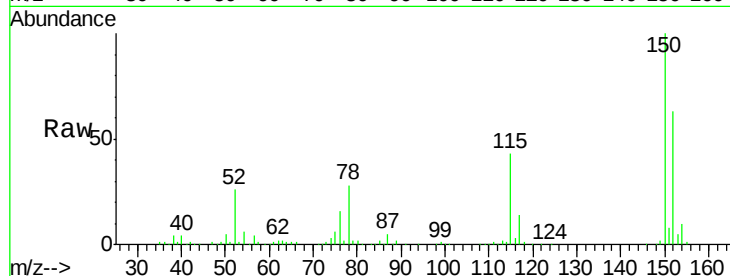
Tgt Ion:152 Resp: 171754

Ion Ratio Lower Upper

152 100

150 159.7 123.0 184.4

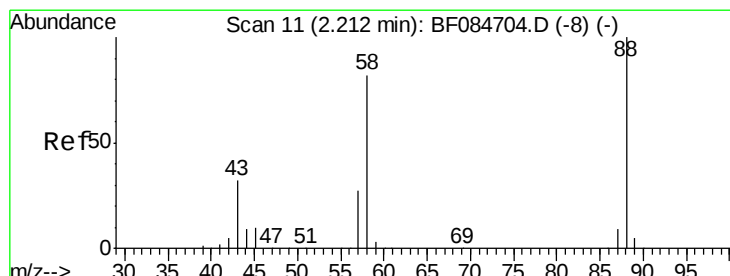
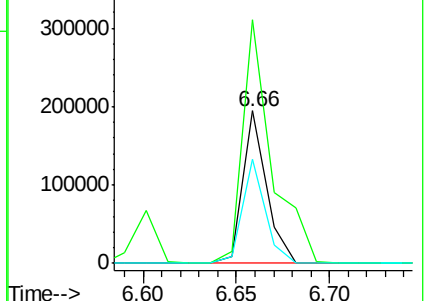
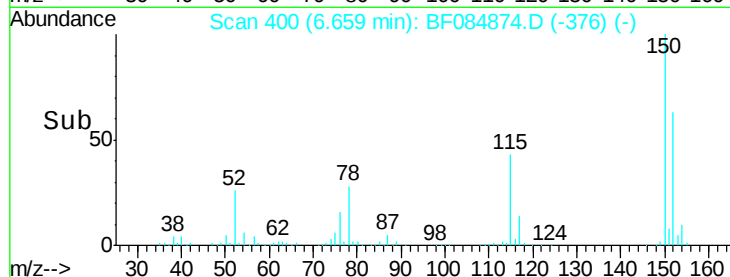
115 68.0 51.4 77.2



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: 33.66 ng

RT: 2.22 min Scan# 12

Delta R.T. 0.05 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

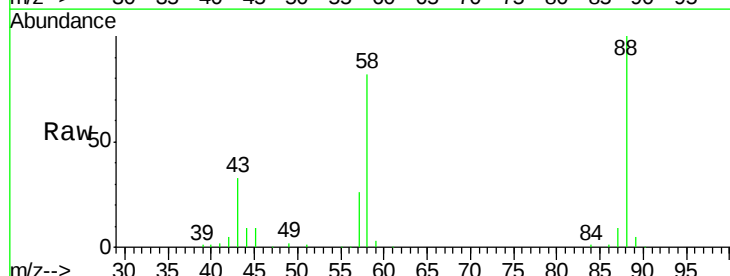
Tgt Ion: 88 Resp: 162594

Ion Ratio Lower Upper

88 100

58 85.7 51.2 76.8#

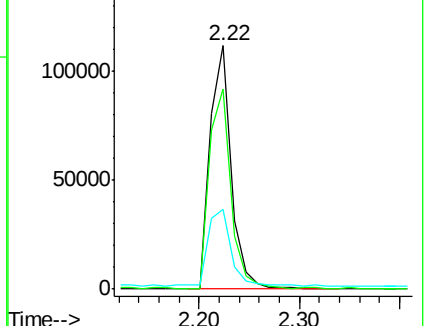
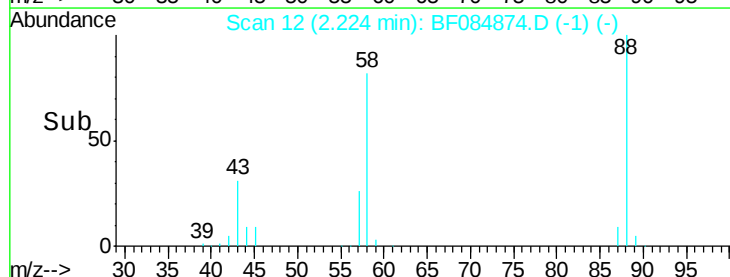
43 33.9 19.5 29.3#

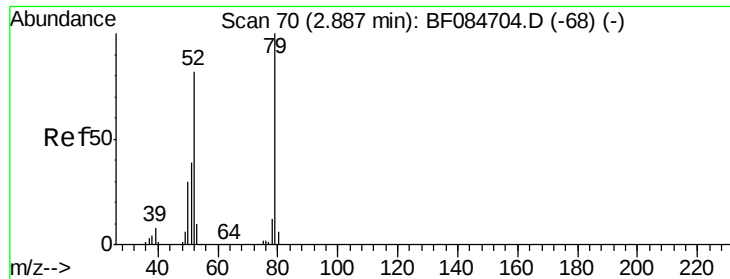


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 42.28 ng

RT: 2.86 min Scan# 68

Delta R.T. 0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

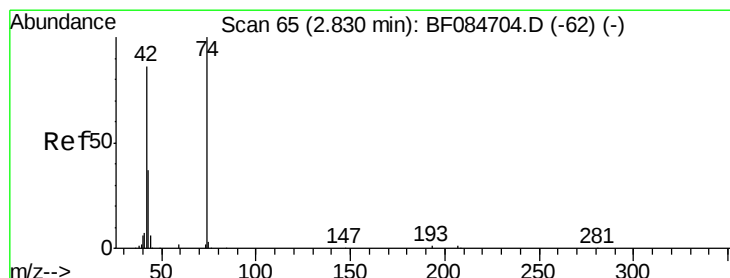
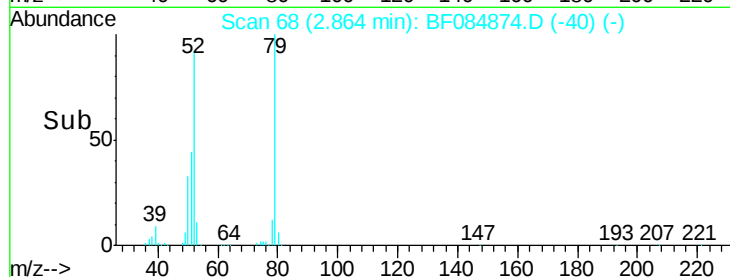
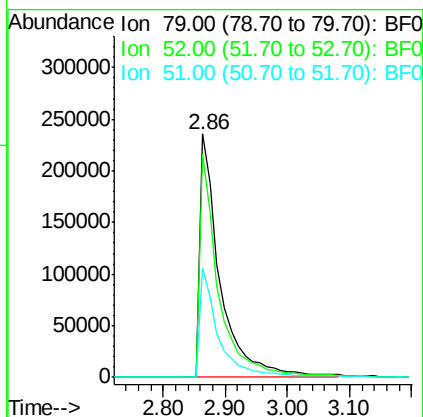
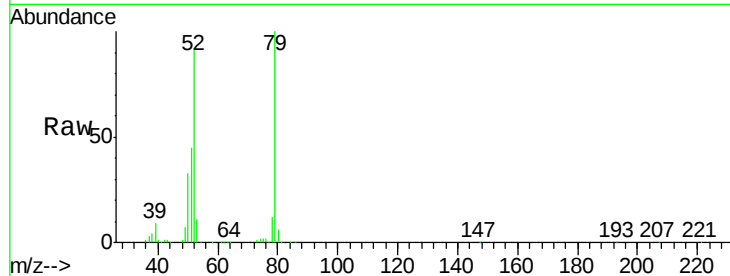
Tgt Ion: 79 Resp: 532046

Ion Ratio Lower Upper

79 100

52 91.6 49.0 73.4#

51 44.7 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 42.02 ng

RT: 2.83 min Scan# 65

Delta R.T. 0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

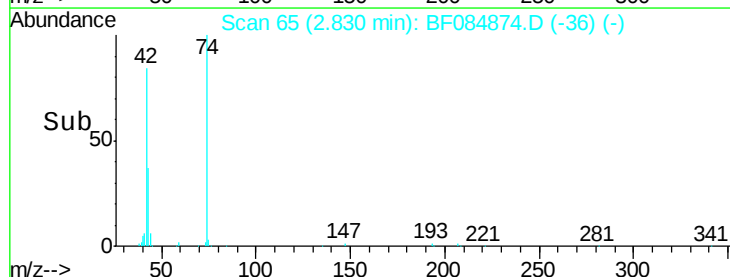
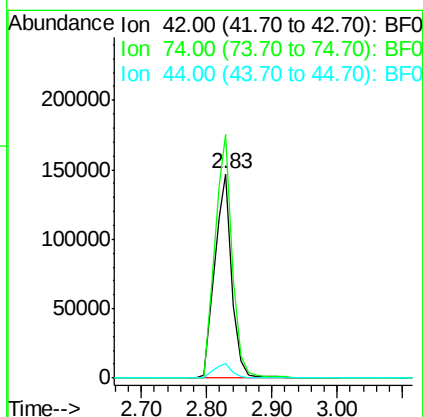
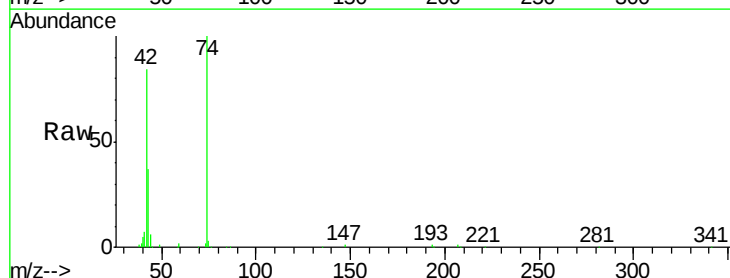
Tgt Ion: 42 Resp: 273515

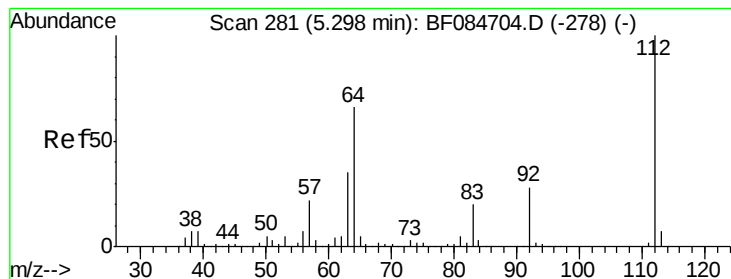
Ion Ratio Lower Upper

42 100

74 119.0 115.7 173.5

44 7.3 5.1 7.7





#5

2-Fluorophenol

Concen: 93.25 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

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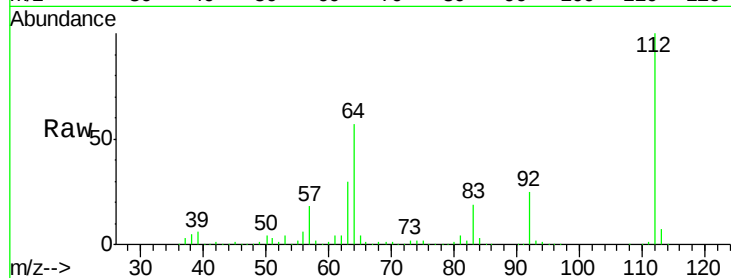
Tgt Ion: 112 Resp: 1028207

Ion Ratio Lower Upper

112 100

64 57.2 36.6 55.0#

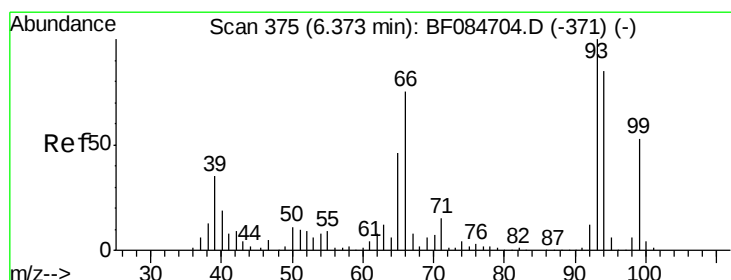
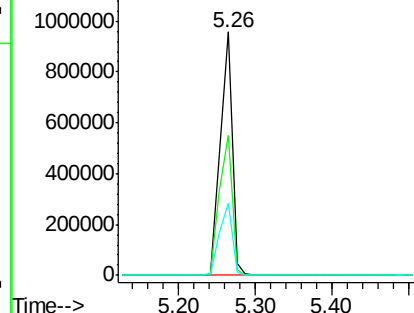
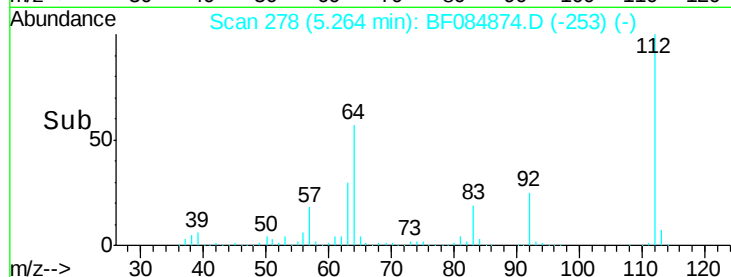
63 29.8 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 29.66 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

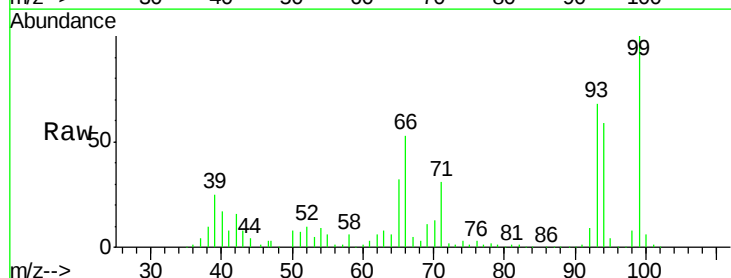
Tgt Ion: 93 Resp: 496198

Ion Ratio Lower Upper

93 100

66 78.3 44.9 67.3#

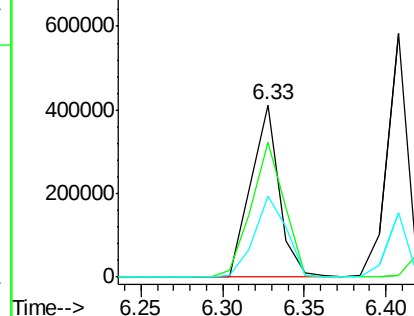
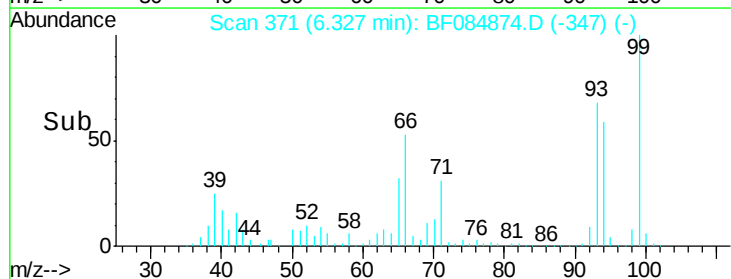
65 46.9 23.7 35.5#

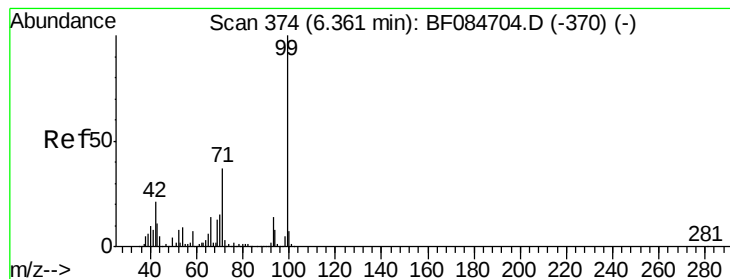


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 88.06 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

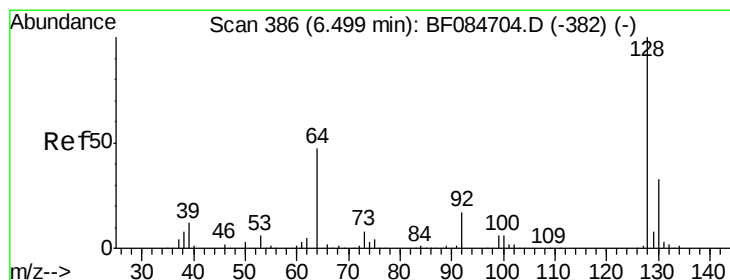
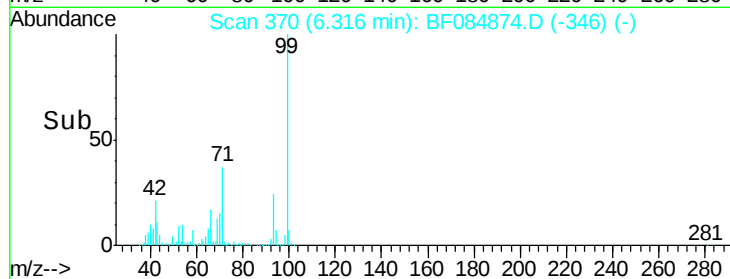
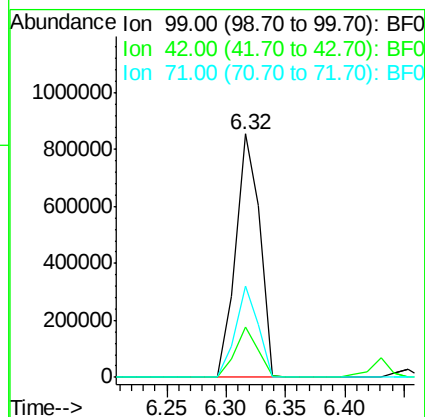
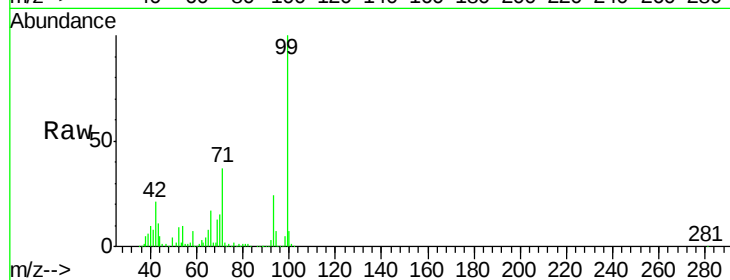
BNA\_F

ClientSampled :

PB88197BSD

Tgt Ion: 99 Resp: 1203792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.9  | 12.8  | 19.2# |
| 71  | 37.3  | 30.9  | 46.3  |



#8

2-Chlorophenol

Concen: 44.15 ng

RT: 6.45 min Scan# 382

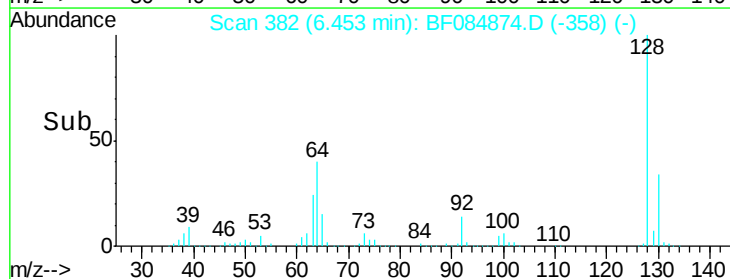
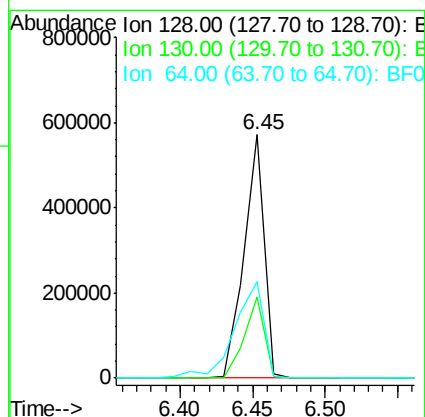
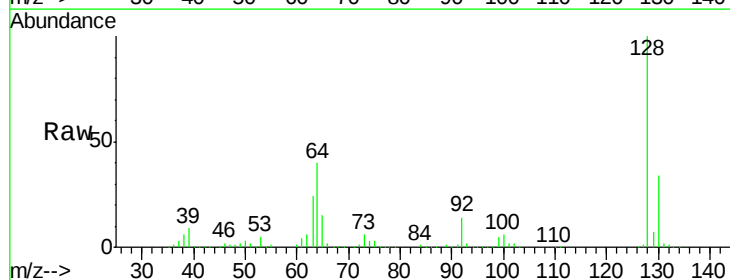
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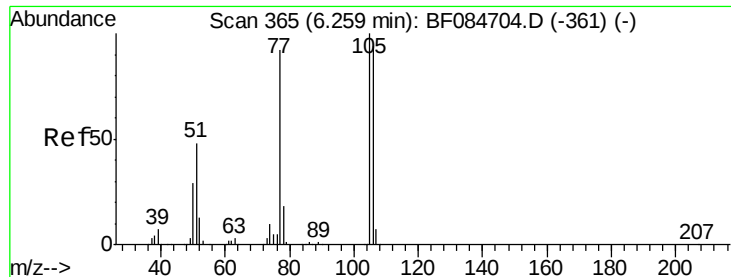
Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Tgt Ion: 128 Resp: 551029

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.5  | 11.6  | 51.6  |
| 64  | 39.5  | 23.8  | 63.8  |





#9

Benzaldehyde

Concen: 22.22 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

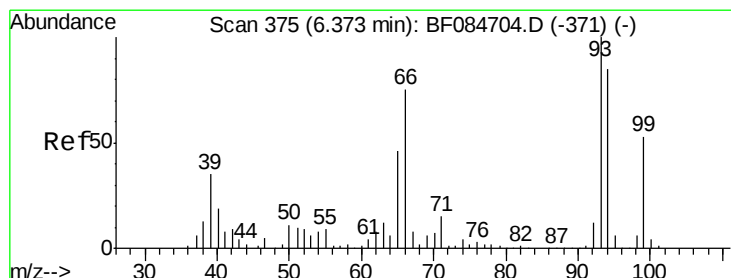
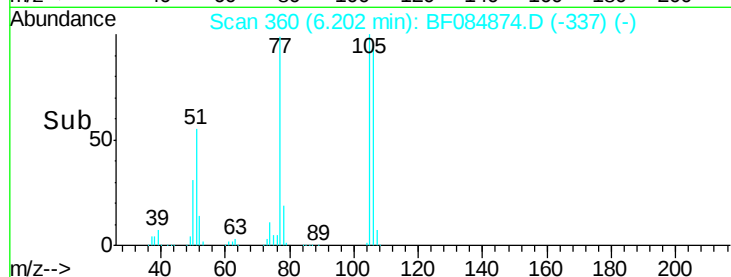
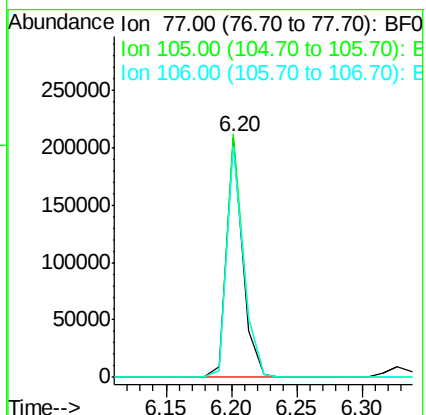
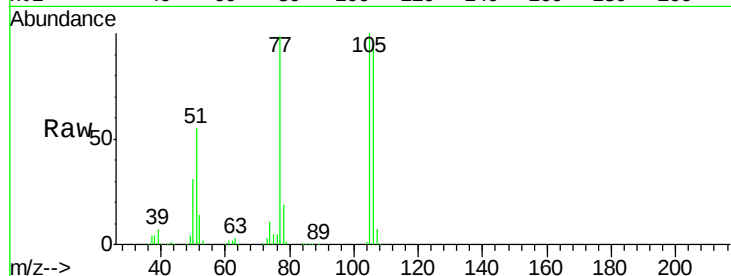
Tgt Ion: 77 Resp: 179376

Ion Ratio Lower Upper

77 100

105 101.4 83.0 123.0

106 96.3 74.6 114.6



#10

Phenol

Concen: 39.90 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

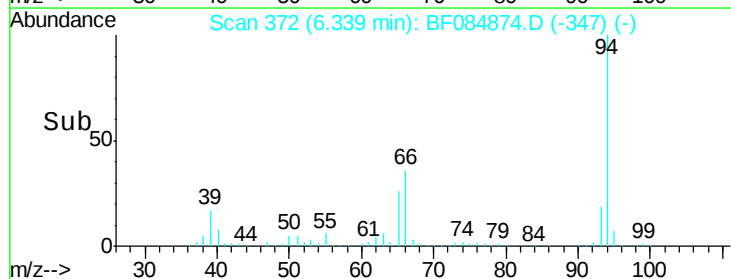
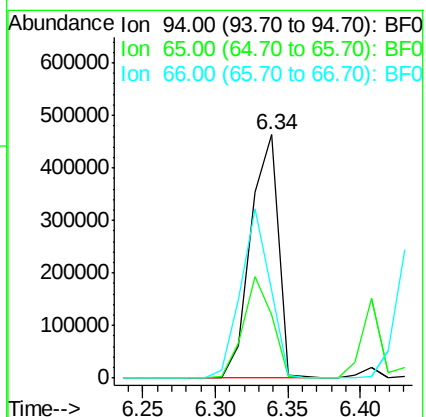
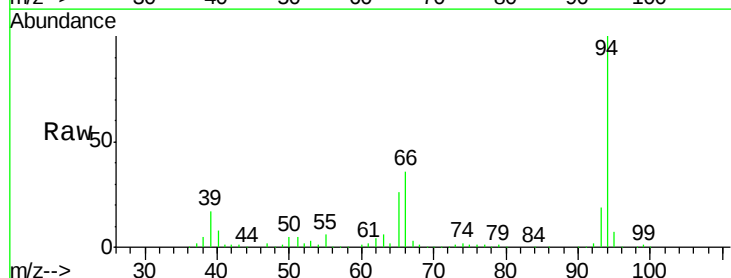
Tgt Ion: 94 Resp: 611040

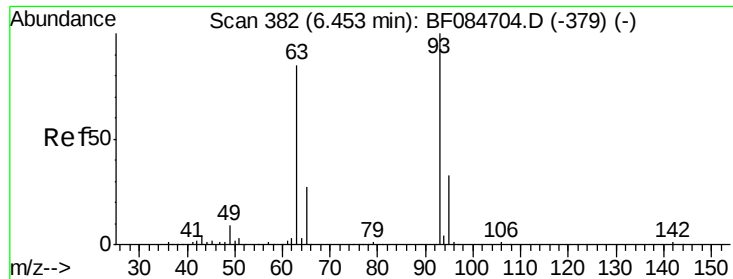
Ion Ratio Lower Upper

94 100

65 26.0 12.9 52.9

66 35.8 32.7 72.7

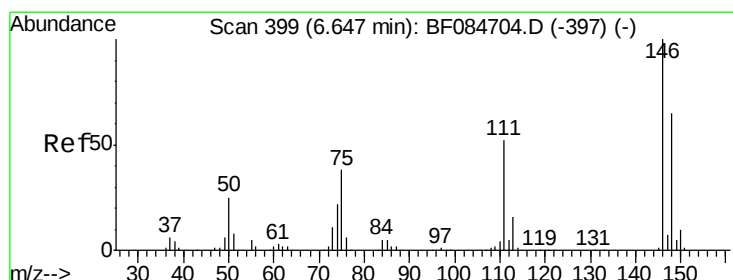
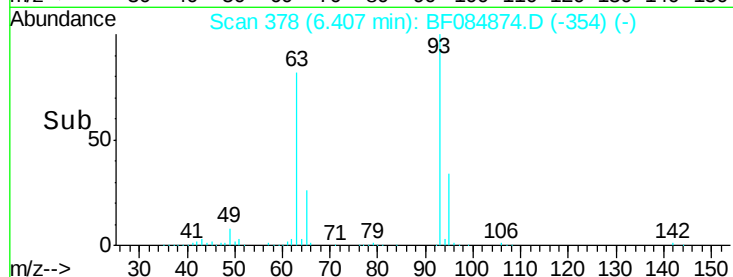
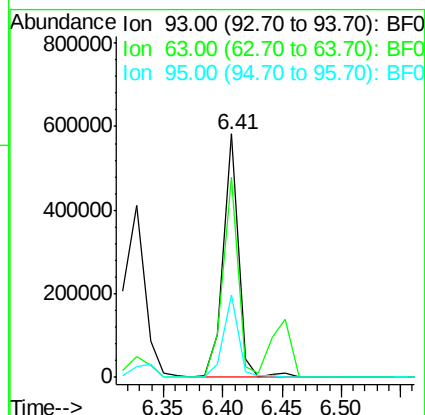
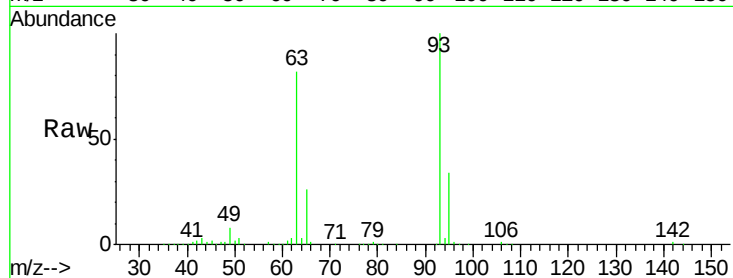




#11  
bis(2-Chloroethyl)ether  
Concen: 43.17 ng  
RT: 6.41 min Scan# 378  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

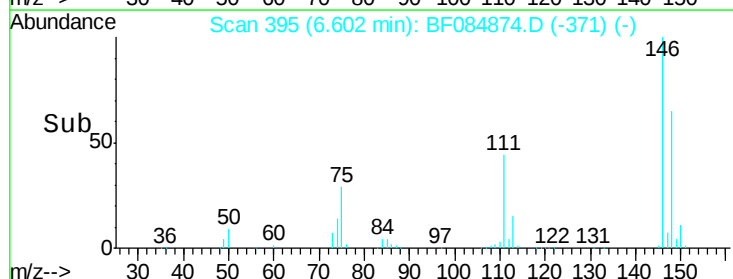
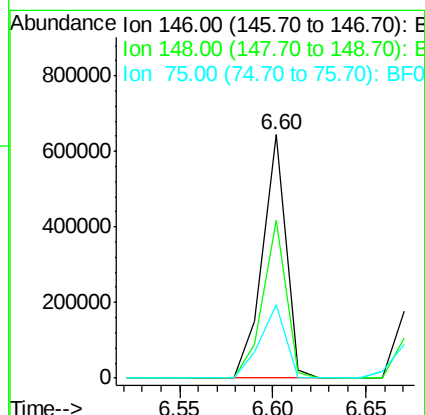
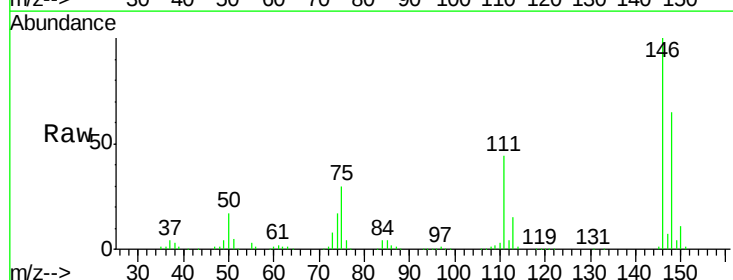
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

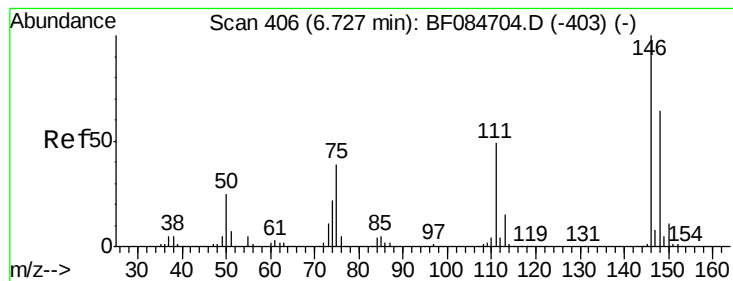
Tgt Ion: 93 Resp: 515535  
Ion Ratio Lower Upper  
93 100  
63 82.3 45.9 85.9  
95 33.8 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 42.37 ng  
RT: 6.60 min Scan# 395  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion: 146 Resp: 558754  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.9 77.9  
75 30.3 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 42.38 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.10 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

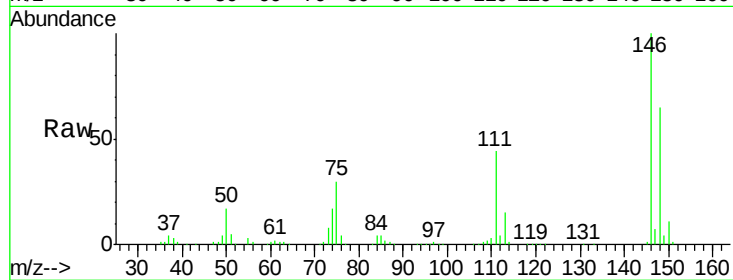
Tgt Ion:146 Resp: 558754

Ion Ratio Lower Upper

146 100

148 64.8 51.9 77.9

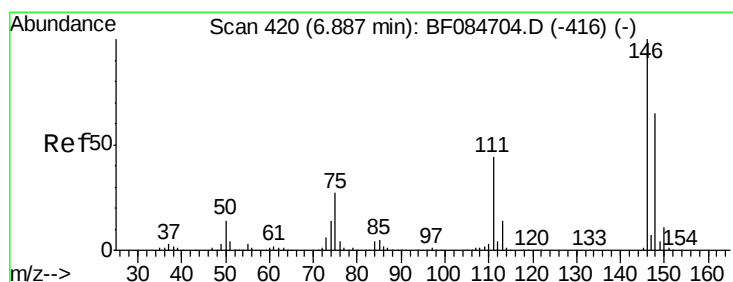
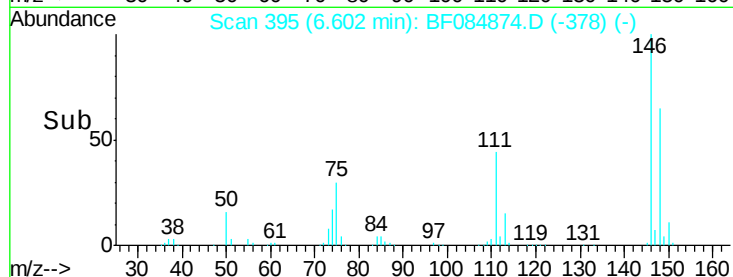
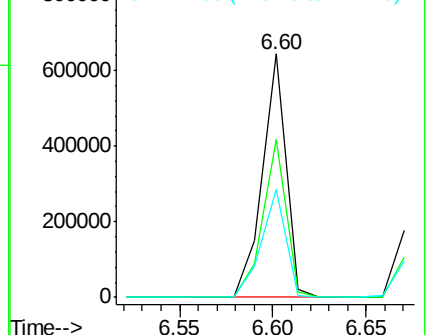
111 44.4 41.6 62.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.87 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

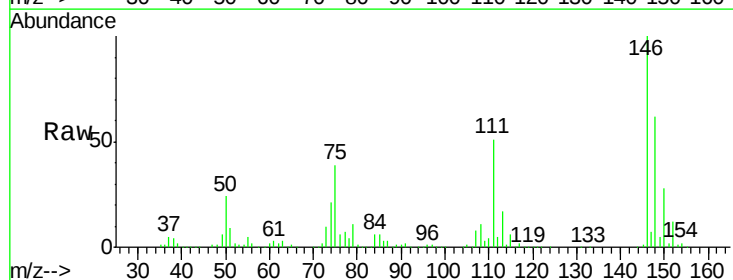
Tgt Ion:146 Resp: 477243

Ion Ratio Lower Upper

146 100

148 61.9 51.6 77.4

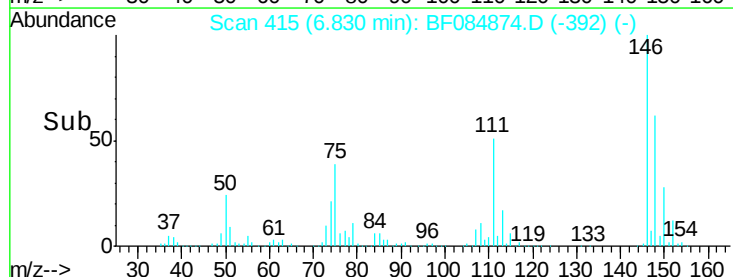
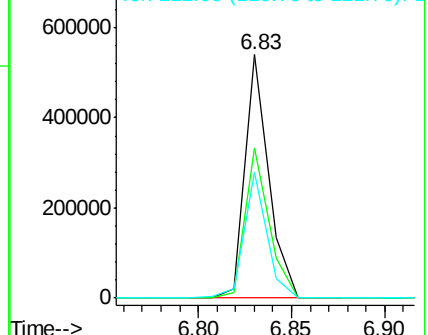
111 51.5 38.0 57.0

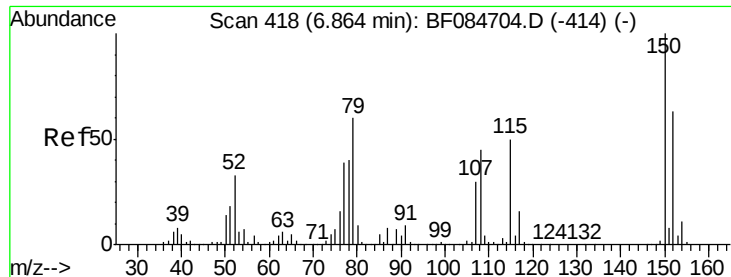


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

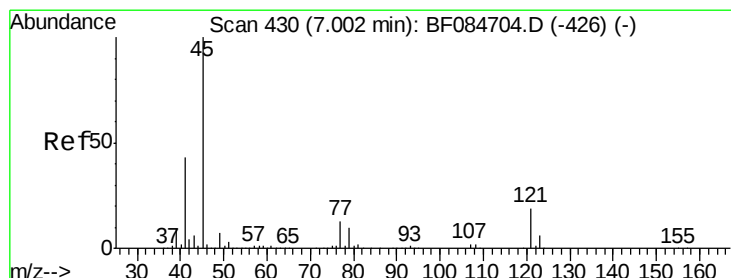
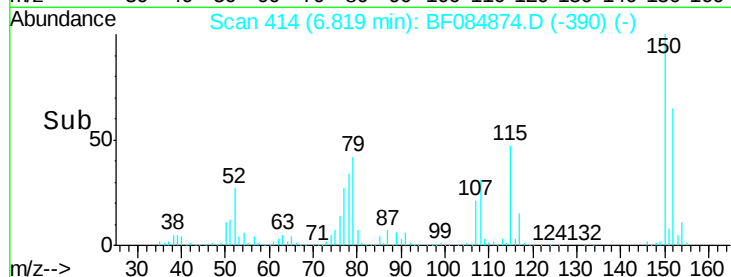
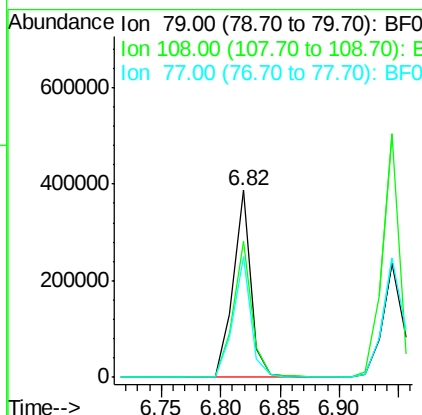
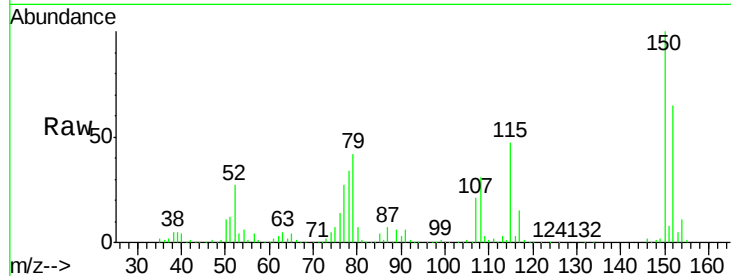




#15  
Benzyl Alcohol  
Concen: 43.28 ng  
RT: 6.82 min Scan# 414  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

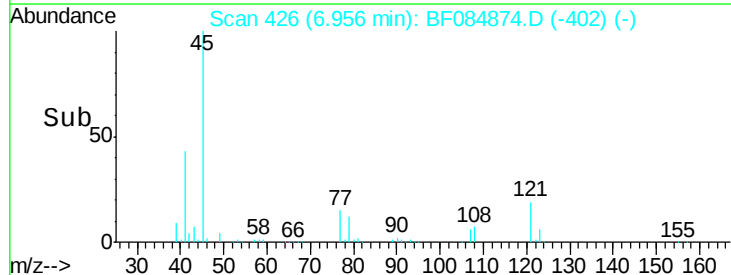
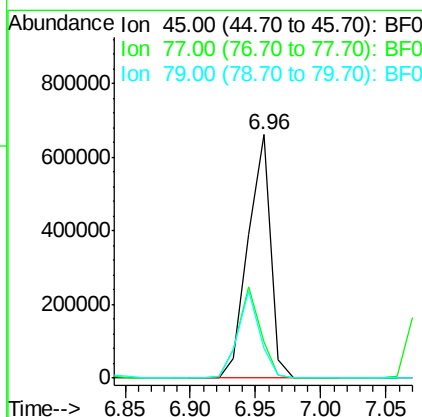
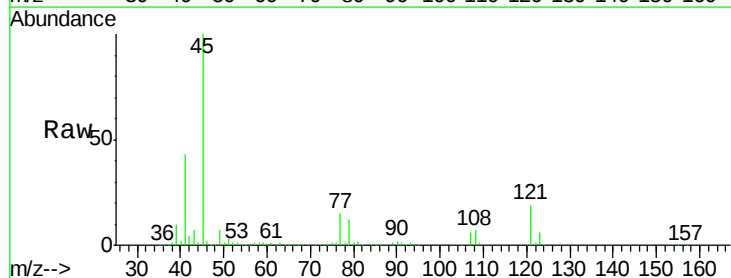
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

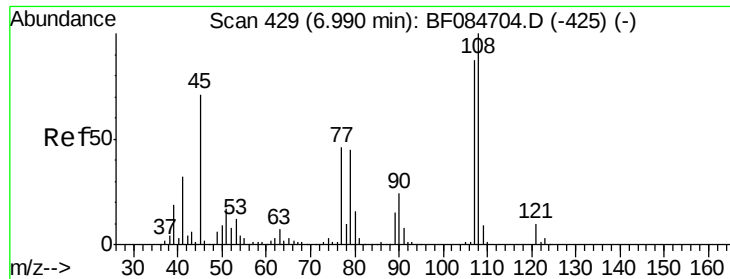
Tgt Ion: 79 Resp: 408558  
Ion Ratio Lower Upper  
79 100  
108 72.5 69.0 103.4  
77 64.5 50.0 75.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.43 ng  
RT: 6.96 min Scan# 426  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion: 45 Resp: 792138  
Ion Ratio Lower Upper  
45 100  
77 14.8 0.0 39.6  
79 12.5 0.0 35.0

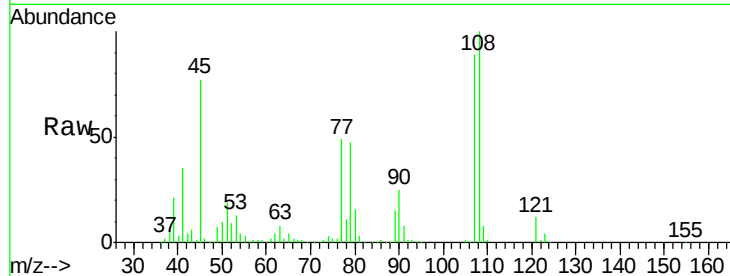




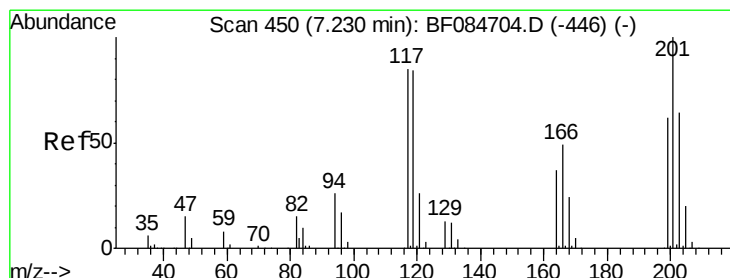
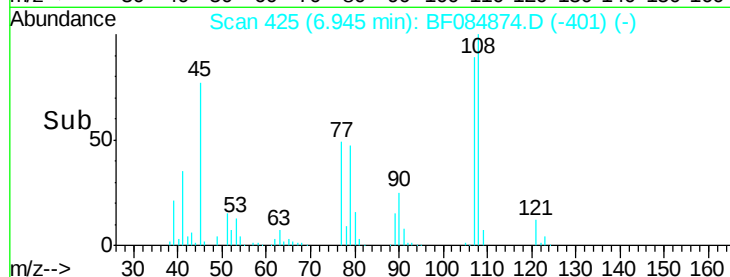
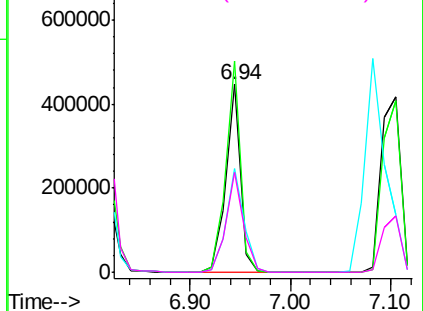
#17  
2-Methylphenol  
Concen: 45.26 ng  
RT: 6.94 min Scan# 425  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

Tgt Ion:107 Resp: 446735  
Ion Ratio Lower Upper  
107 100  
108 112.7 89.8 134.6  
77 55.4 35.7 53.5#  
79 52.8 35.7 53.5

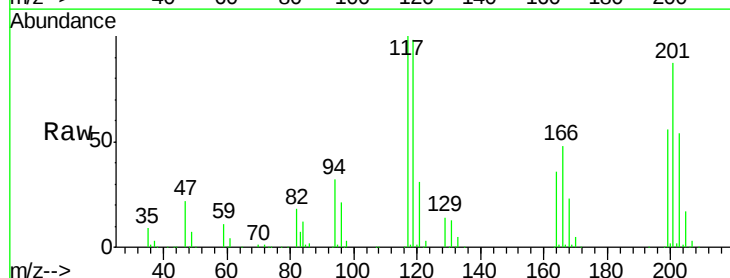


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

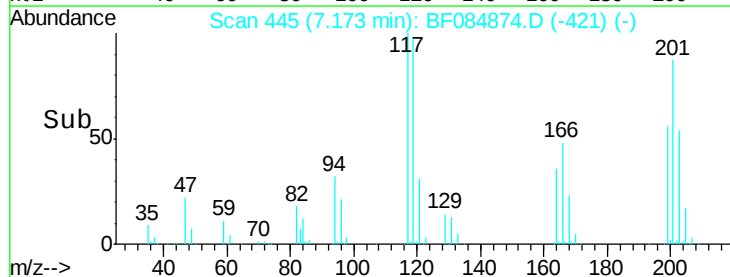
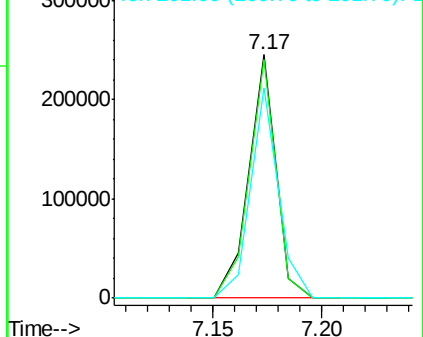


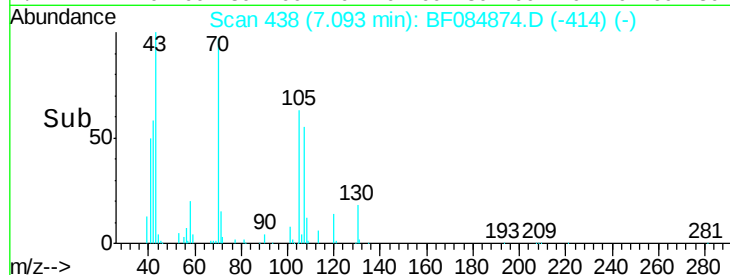
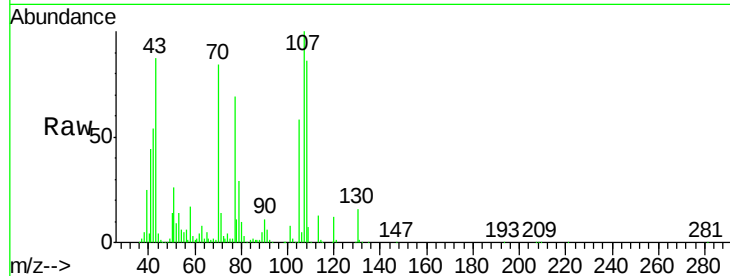
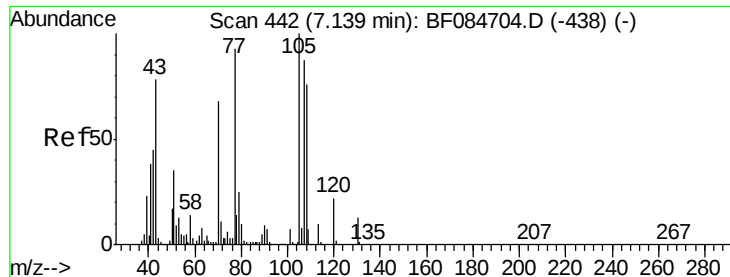
#18  
Hexachloroethane  
Concen: 41.94 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion:117 Resp: 212919  
Ion Ratio Lower Upper  
117 100  
119 98.0 77.4 116.0  
201 86.6 68.6 103.0



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

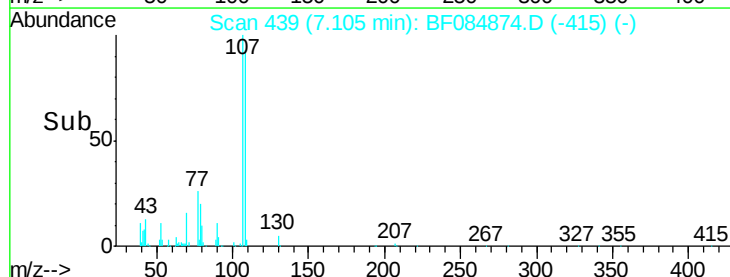
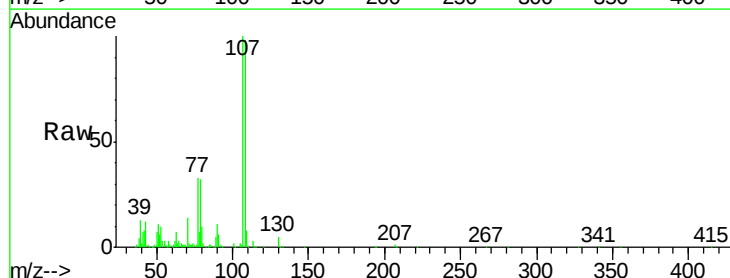
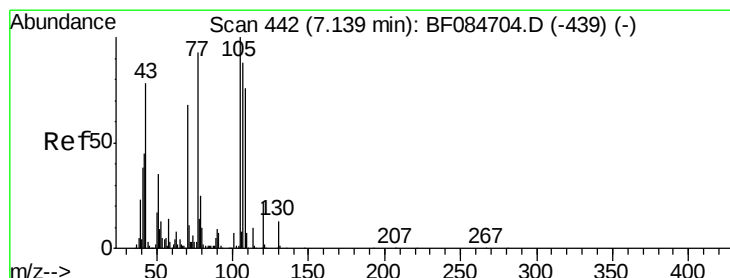
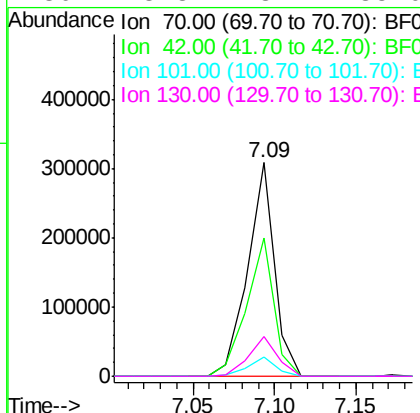




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.11 ng  
RT: 7.09 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

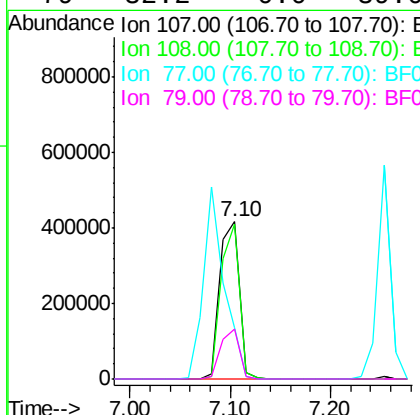
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

Tgt Ion: 70 Resp: 352296  
Ion Ratio Lower Upper  
70 100  
42 64.5 33.3 49.9#  
101 9.2 9.3 13.9#  
130 18.8 23.4 35.0#



#20  
3+4-Methylphenols  
Concen: 46.14 ng  
RT: 7.10 min Scan# 439  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion: 107 Resp: 565291  
Ion Ratio Lower Upper  
107 100  
108 98.4 74.6 114.6  
77 32.7 0.7 40.7  
79 32.2 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

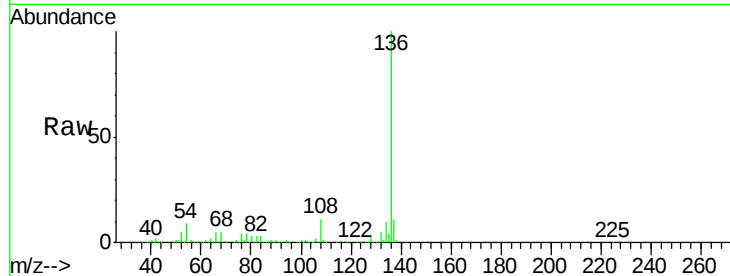
Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 720740 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.4  | 8.7   | 13.1   |
| 54        | 8.9   | 5.8   | 8.8#   |
| 68        | 4.7   | 4.2   | 6.2    |

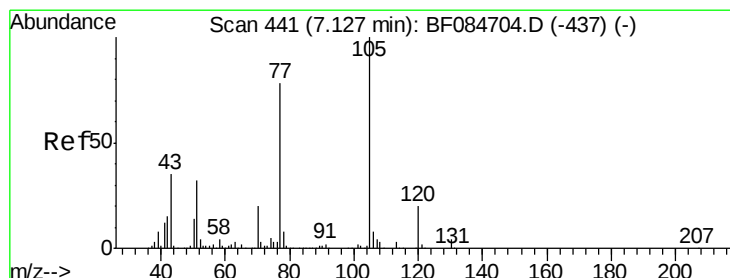
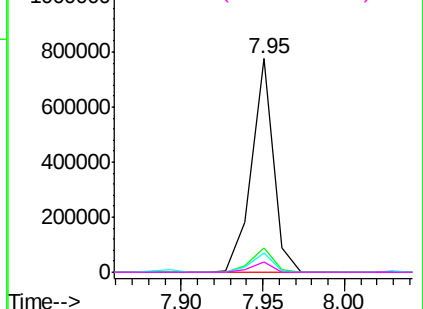
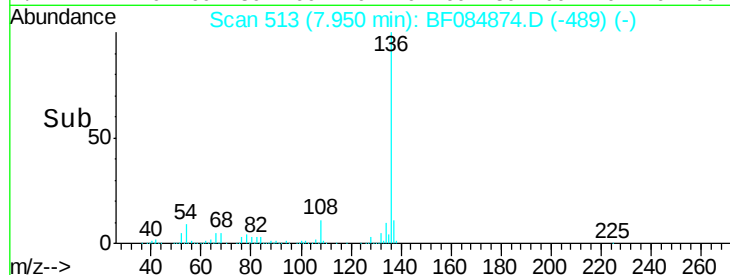


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.23 ng

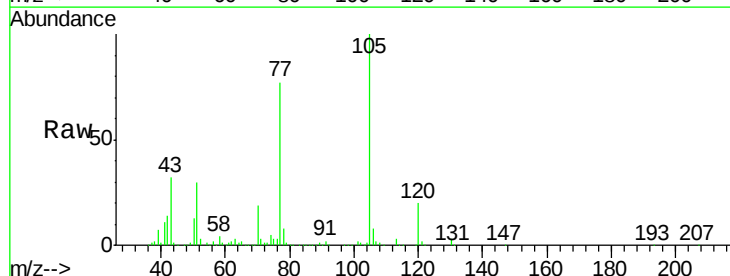
RT: 7.08 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 745280 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 3.1   | 3.7   | 5.5#   |
| 51        | 30.1  | 25.1  | 37.7   |
| 120       | 20.2  | 16.6  | 25.0   |

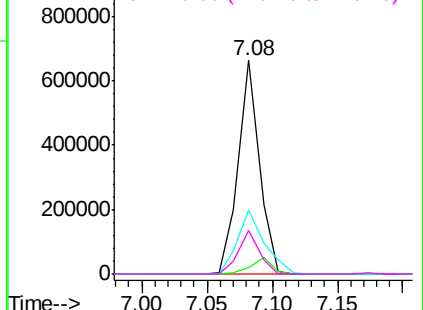
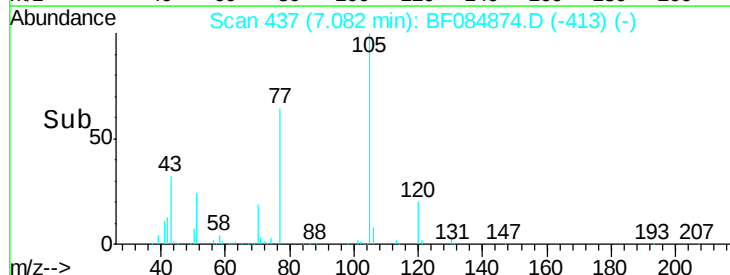


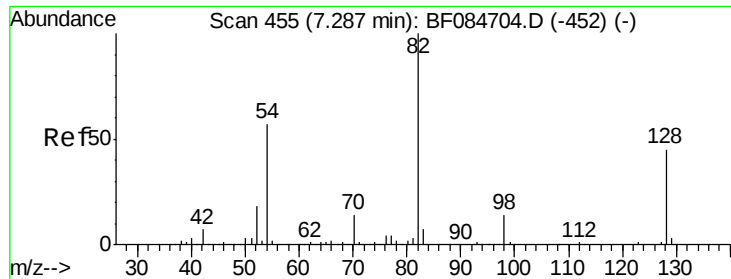
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

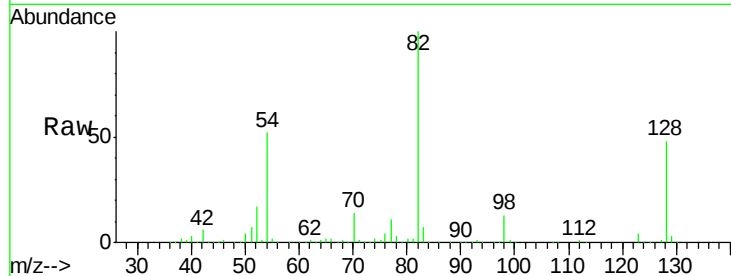




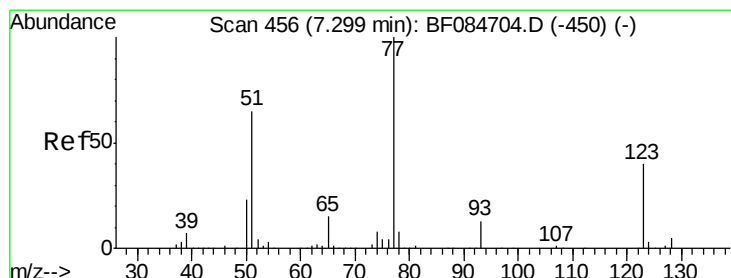
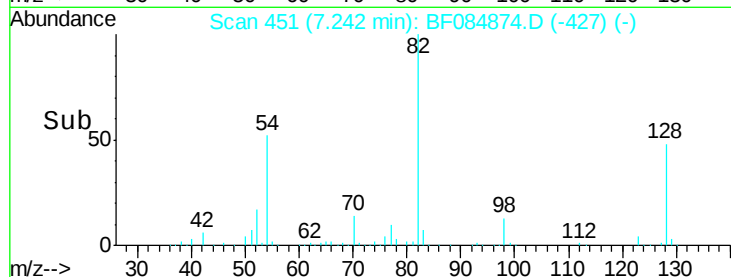
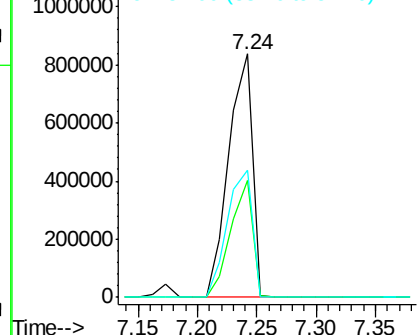
#23  
 Nitrobenzene-d5  
 Concen: 90.59 ng  
 RT: 7.24 min Scan# 451  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Tgt Ion: 82 Resp: 1158996  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 34.6 51.8  
 54 52.0 38.4 57.6

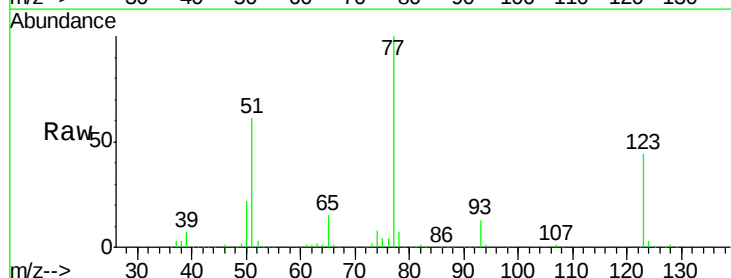


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

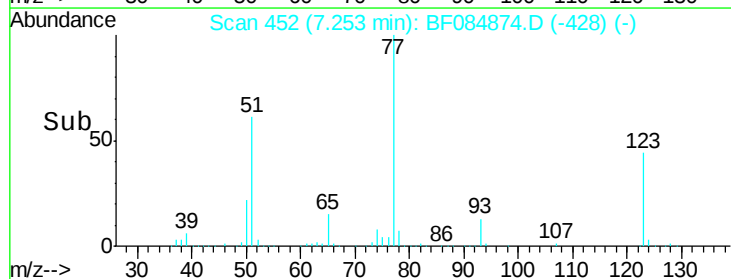
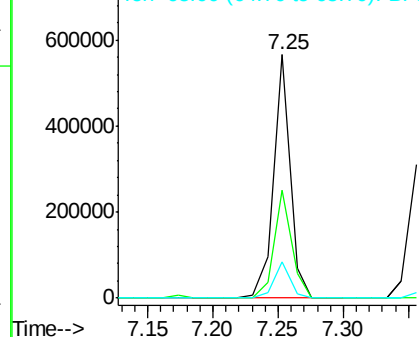


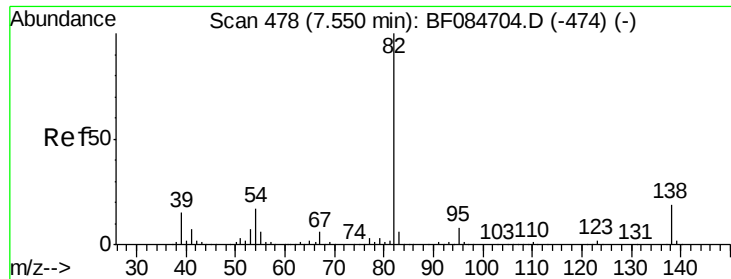
#24  
 Nitrobenzene  
 Concen: 37.05 ng  
 RT: 7.25 min Scan# 452  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Tgt Ion: 77 Resp: 507655  
 Ion Ratio Lower Upper  
 77 100  
 123 44.1 37.4 56.2  
 65 14.9 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 41.23 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

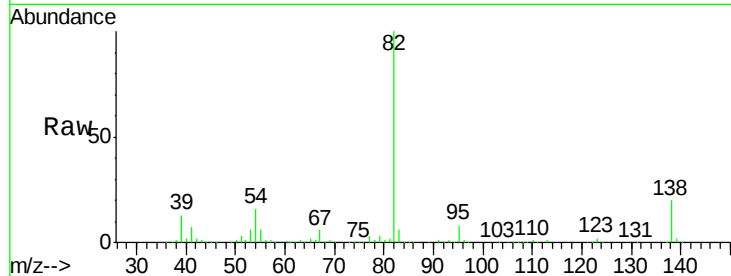
Tgt Ion: 82 Resp: 1025624

Ion Ratio Lower Upper

82 100

95 7.6 6.6 10.0

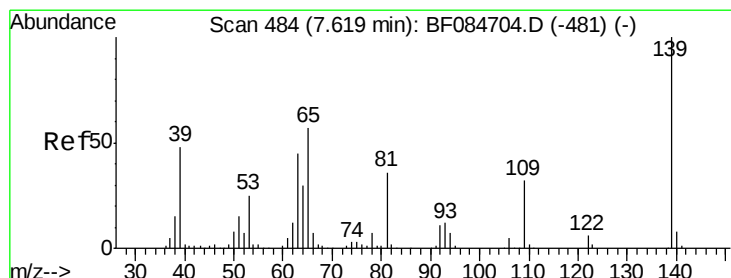
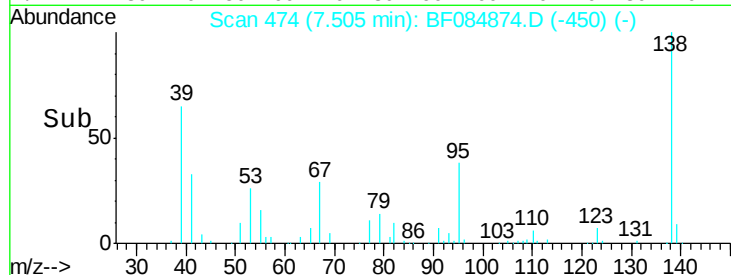
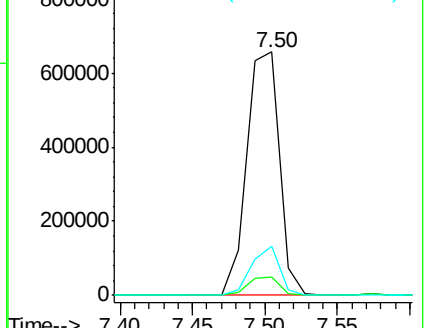
138 20.0 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 45.17 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

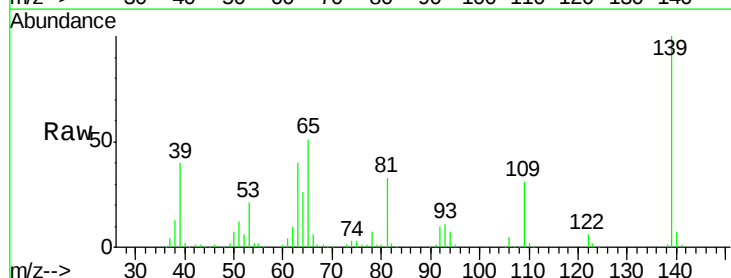
Tgt Ion: 139 Resp: 305207

Ion Ratio Lower Upper

139 100

109 30.5 25.4 38.2

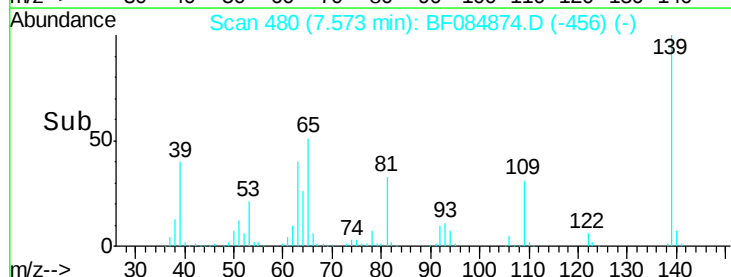
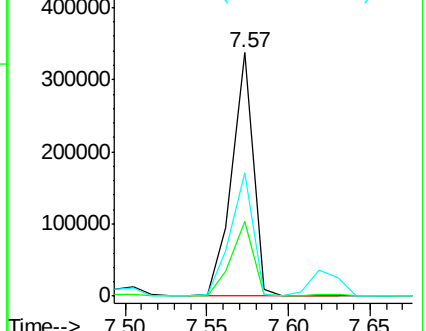
65 50.8 32.3 48.5#

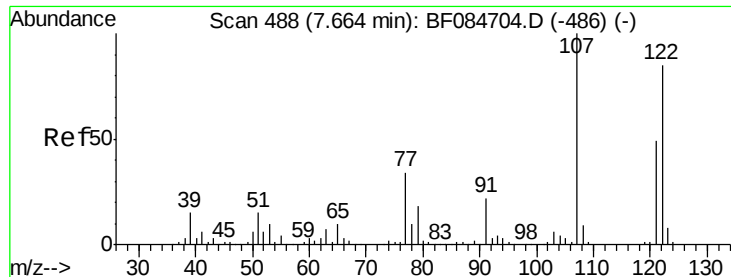


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

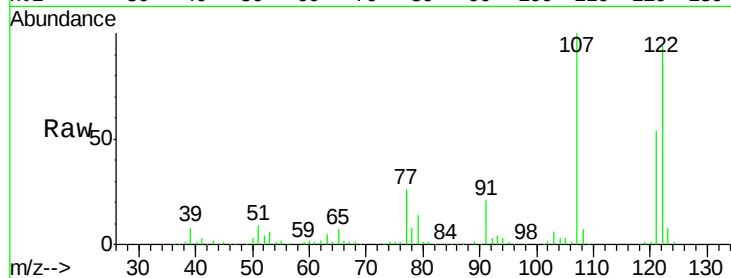




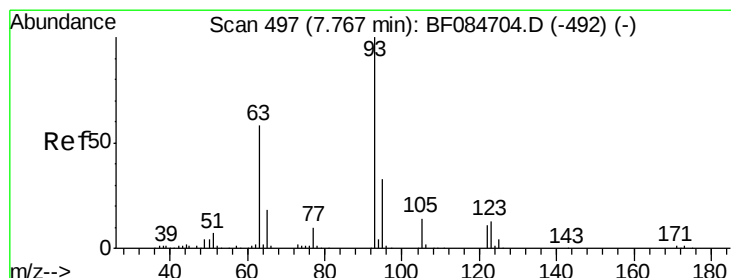
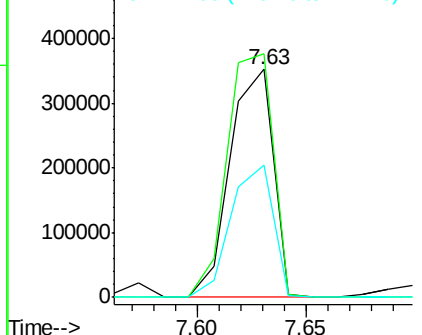
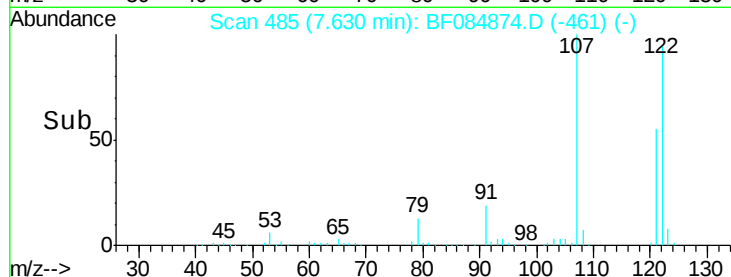
#27  
 2,4-Dimethylphenol  
 Concen: 41.46 ng  
 RT: 7.63 min Scan# 485  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Tgt Ion: 122 Resp: 487272  
 Ion Ratio Lower Upper  
 122 100  
 107 106.7 99.1 148.7  
 121 58.2 47.9 71.9

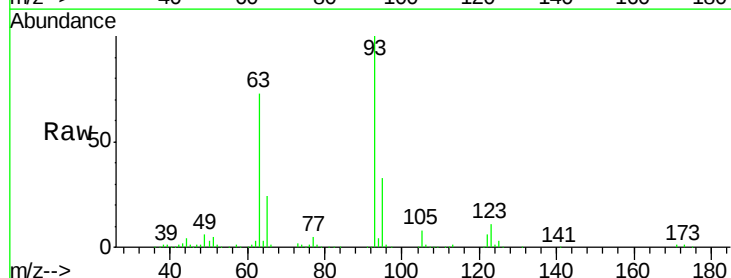


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

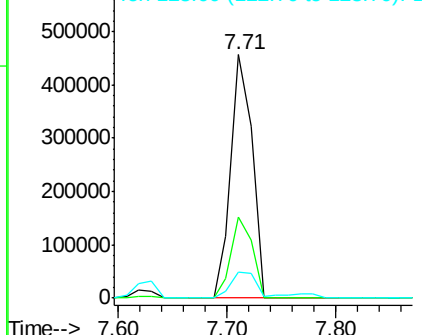
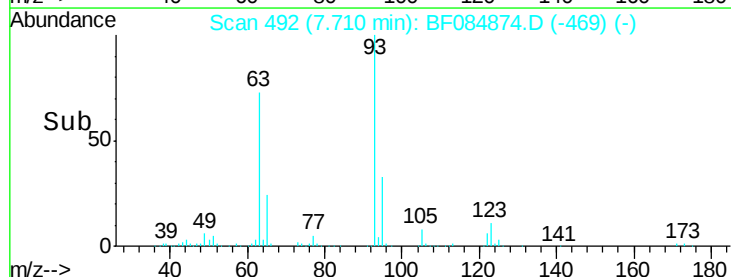


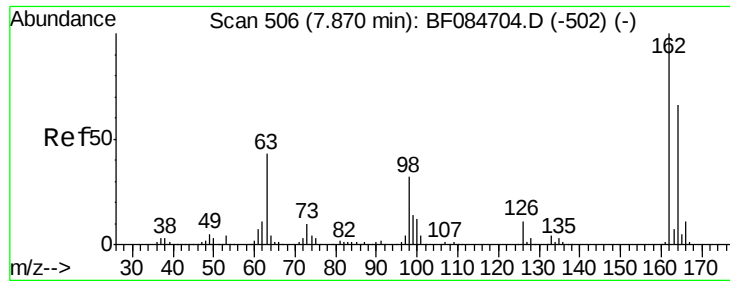
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.81 ng  
 RT: 7.71 min Scan# 492  
 Delta R.T. -0.03 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Tgt Ion: 93 Resp: 617094  
 Ion Ratio Lower Upper  
 93 100  
 95 33.2 25.8 38.6  
 123 10.6 8.6 12.8



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E

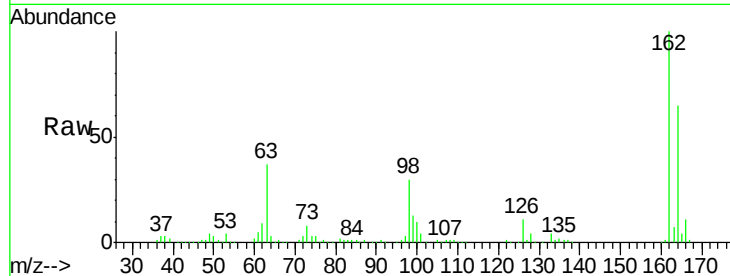




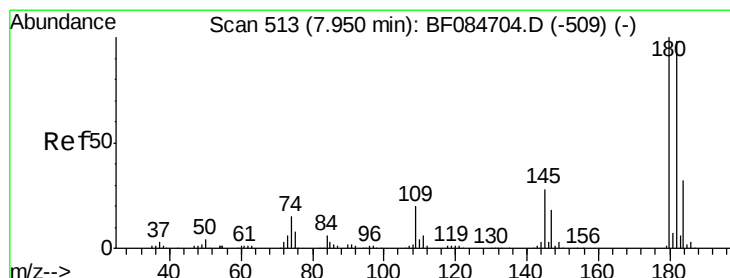
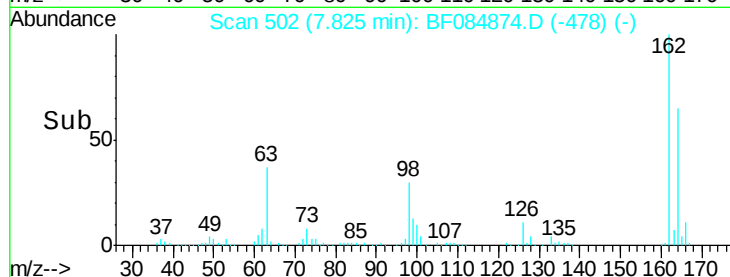
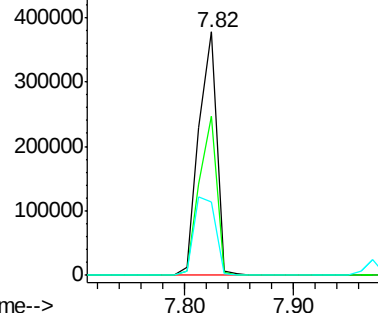
#29  
 2,4-Dichlorophenol  
 Concen: 43.07 ng  
 RT: 7.82 min Scan# 502  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.2  | 44.1  | 84.1  |
| 98      | 30.0  | 20.2  | 60.2  |

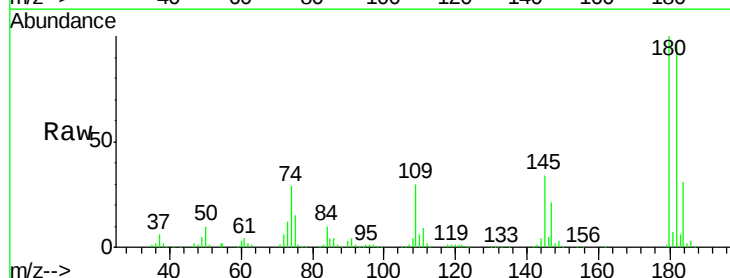


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

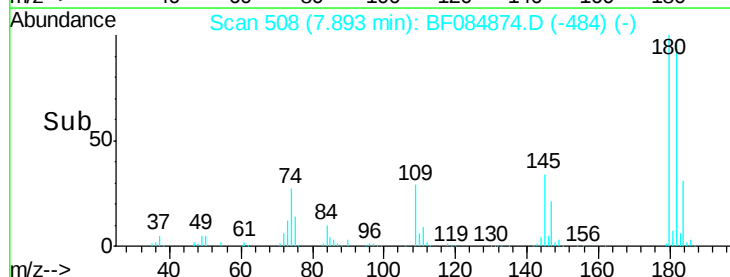
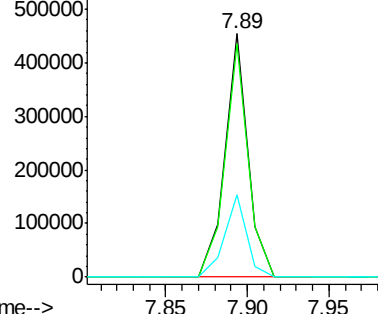


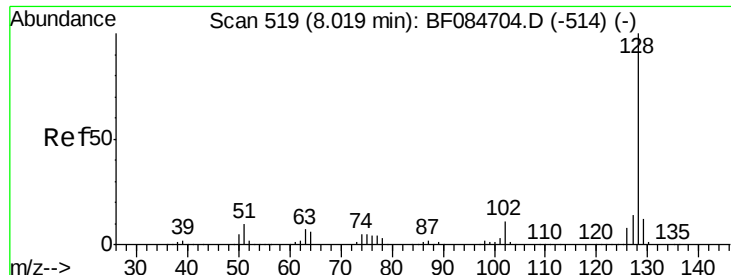
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.13 ng  
 RT: 7.89 min Scan# 508  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 76.4  | 114.6 |
| 145     | 34.0  | 31.6  | 47.4  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

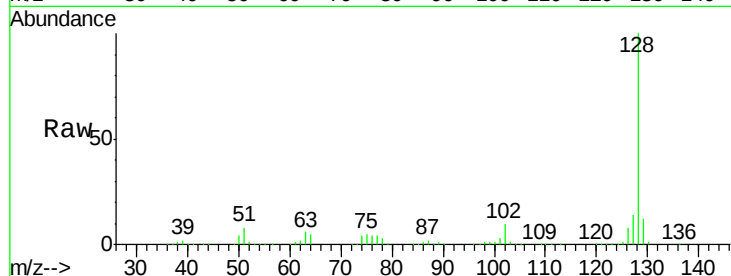




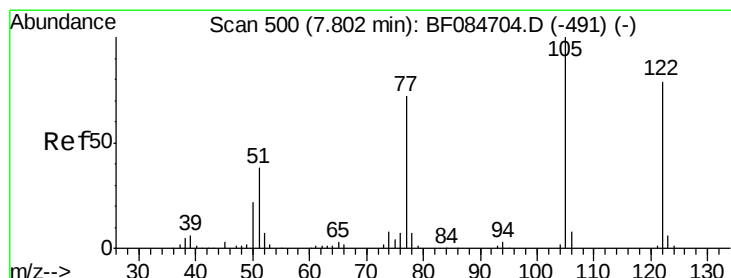
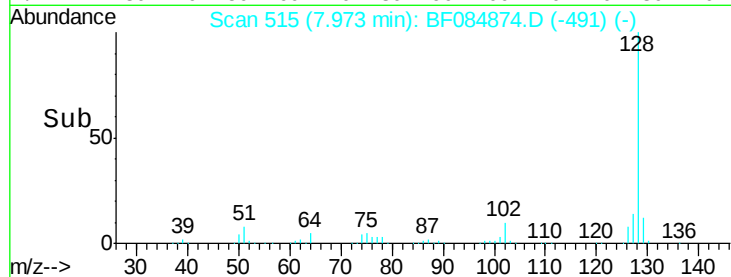
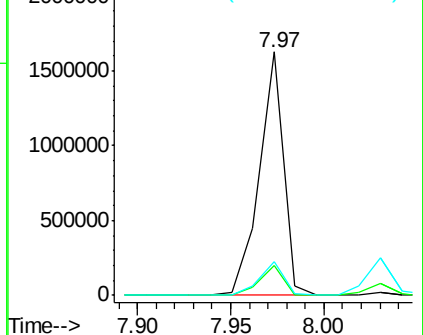
#31  
Naphthalene  
Concen: 41.19 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

Tgt Ion:128 Resp: 1489261  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.1 13.7  
127 13.9 11.1 16.7

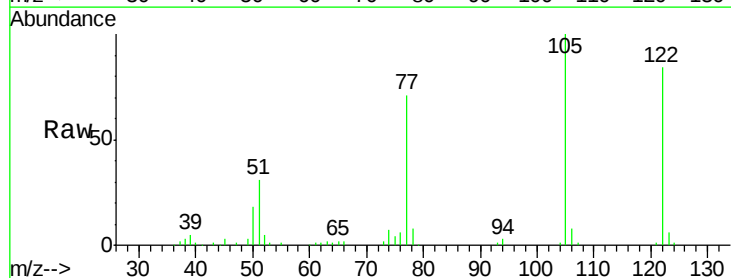


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

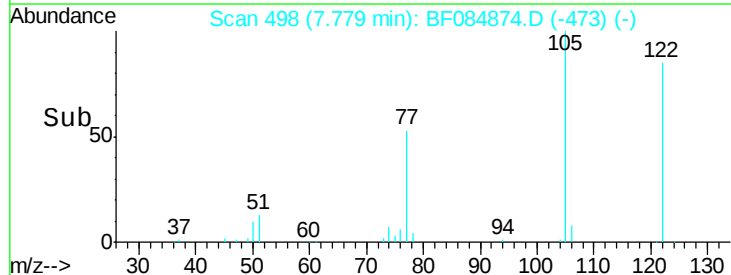
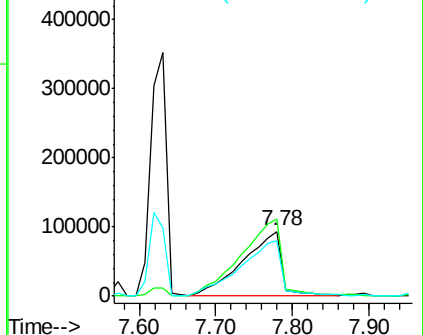


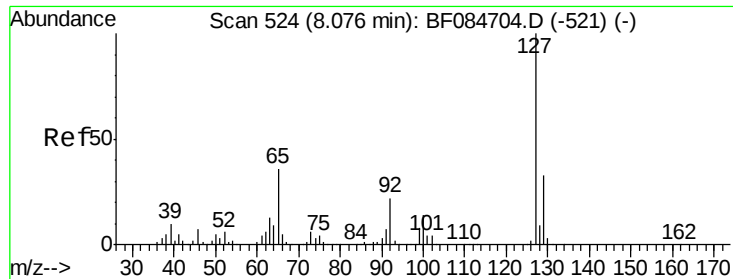
#32  
Benzoic acid  
Concen: 43.04 ng  
RT: 7.78 min Scan# 498  
Delta R.T. -0.01 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion:122 Resp: 323597  
Ion Ratio Lower Upper  
122 100  
105 119.0 100.3 140.3  
77 84.9 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

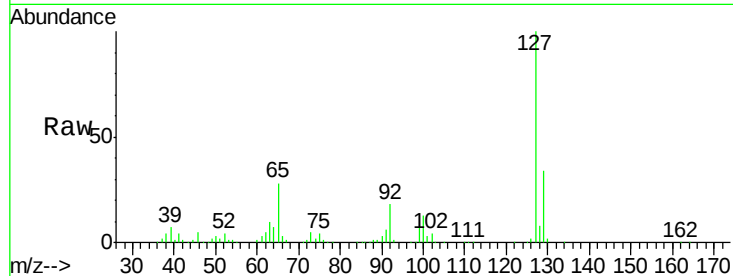




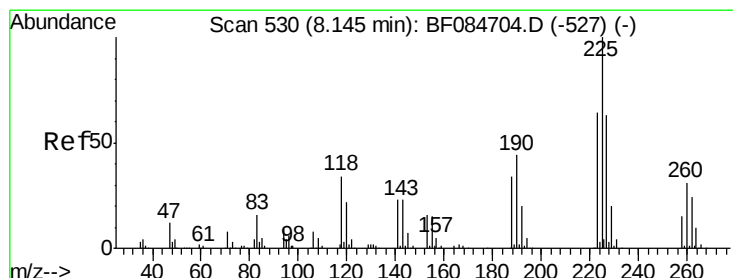
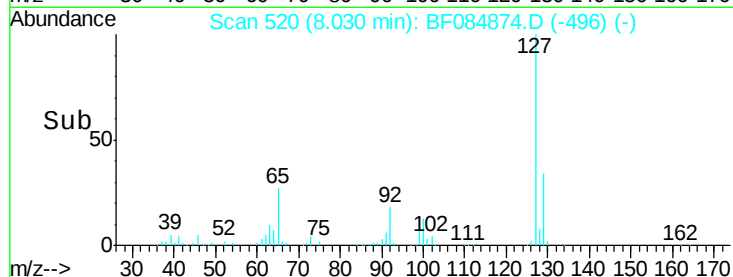
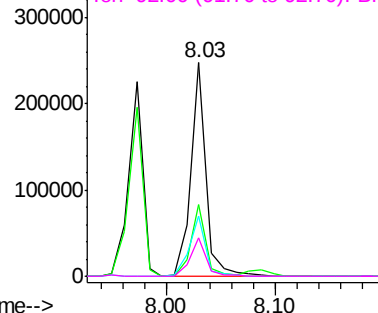
#33  
 4-Chloroaniline  
 Concen: 16.31 ng  
 RT: 8.03 min Scan# 520  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 243926 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.5  | 26.5  | 39.7   |
| 65       | 28.2  | 27.2  | 40.8   |
| 92       | 18.2  | 17.7  | 26.5   |

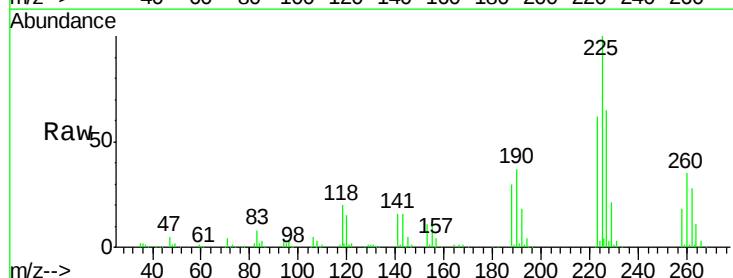


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

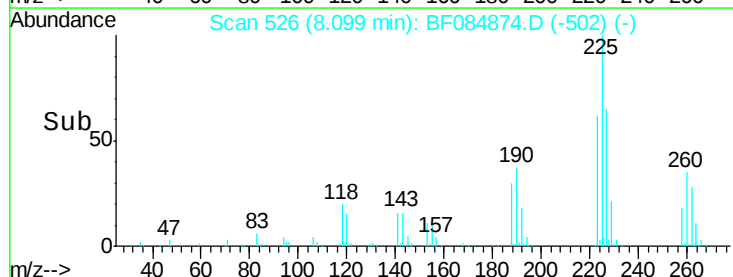
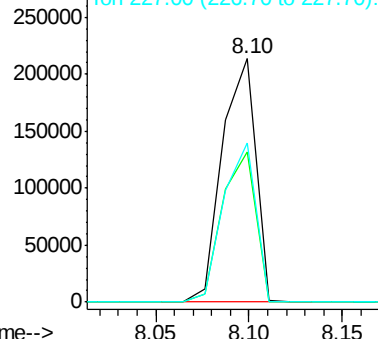


#34  
 Hexachlorobutadiene  
 Concen: 40.48 ng  
 RT: 8.10 min Scan# 526  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 265157 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.7  | 49.4  | 74.0   |
| 227      | 65.5  | 50.8  | 76.2   |



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

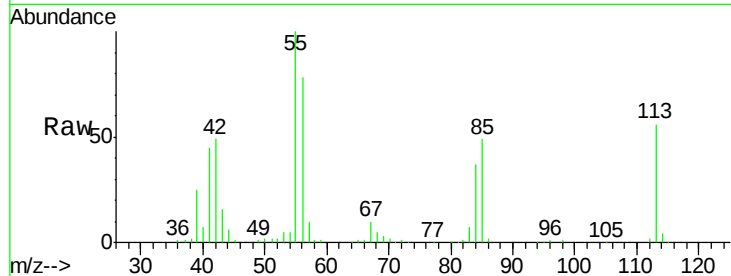




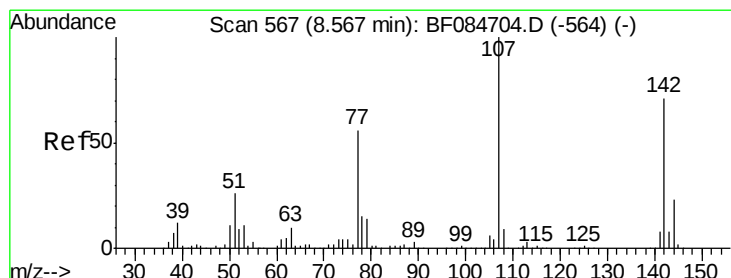
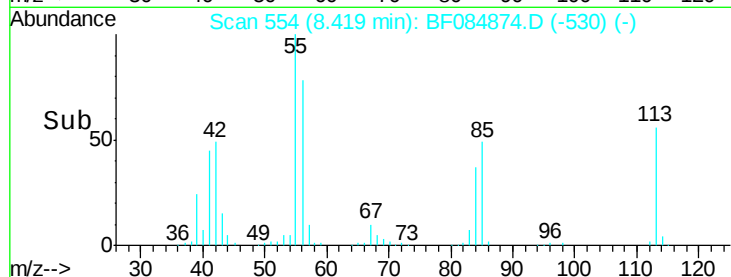
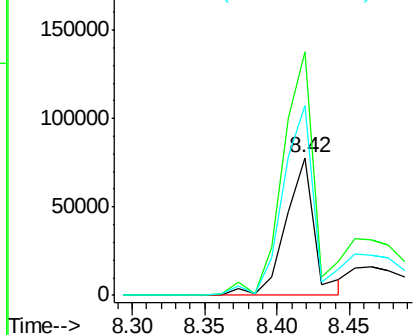
#35  
 Caprolactam  
 Concen: 34.50 ng  
 RT: 8.42 min Scan# 554  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Tgt Ion:113 Resp: 106935  
 Ion Ratio Lower Upper  
 113 100  
 55 177.1 116.9 156.9#  
 56 137.8 93.8 133.8#

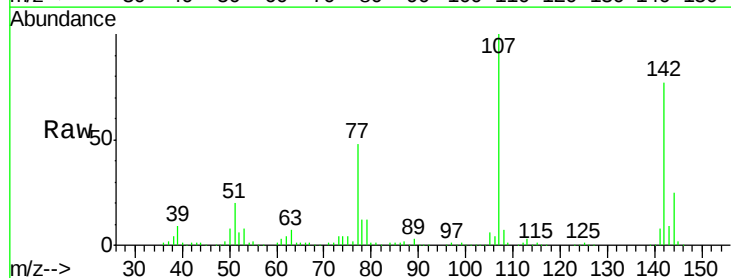


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

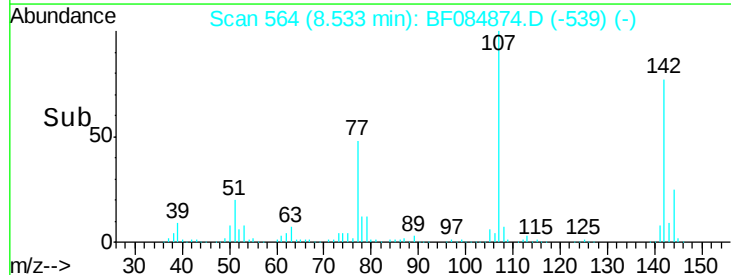
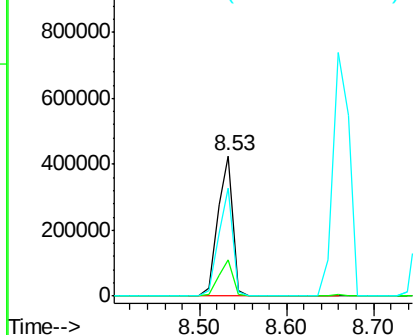


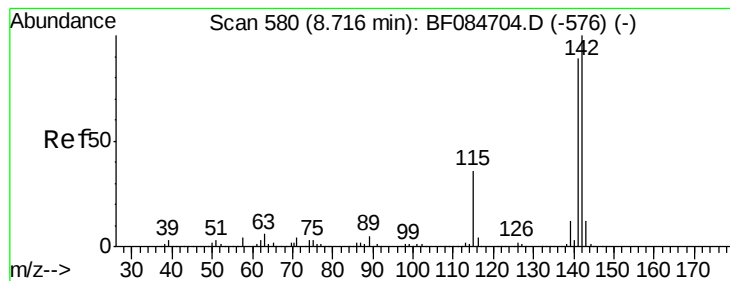
#36  
 4-Chloro-3-methylphenol  
 Concen: 44.86 ng  
 RT: 8.53 min Scan# 564  
 Delta R.T. -0.01 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Tgt Ion:107 Resp: 514631  
 Ion Ratio Lower Upper  
 107 100  
 144 25.4 19.7 29.5  
 142 77.2 61.8 92.6



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

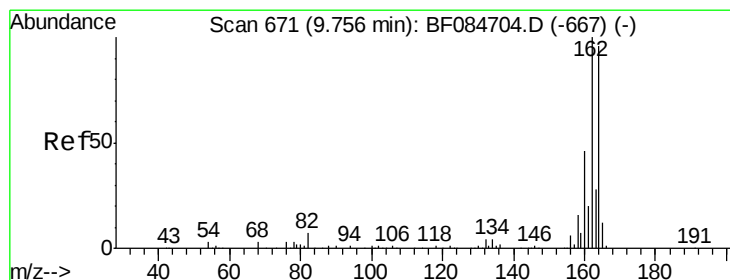
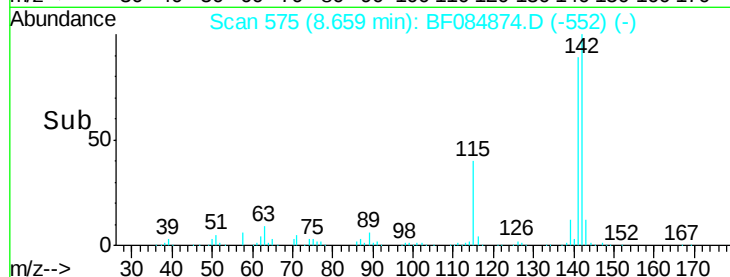
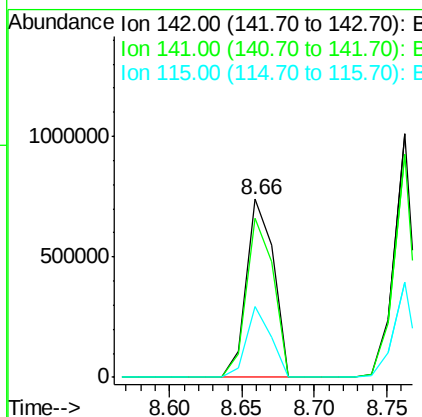
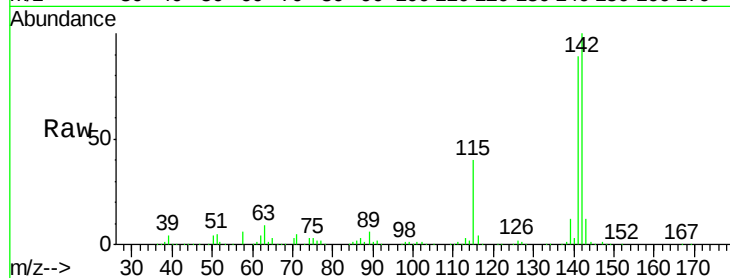




#37  
2-Methylnaphthalene  
Concen: 42.42 ng  
RT: 8.66 min Scan# 575  
Delta R.T. -0.03 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

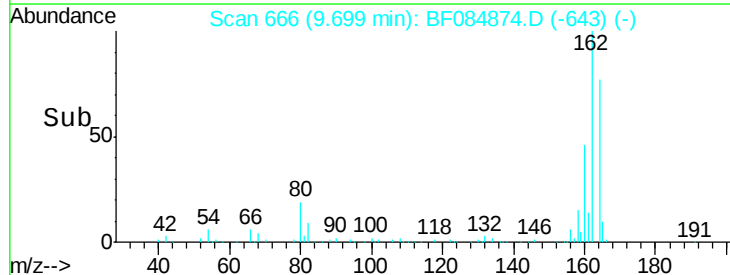
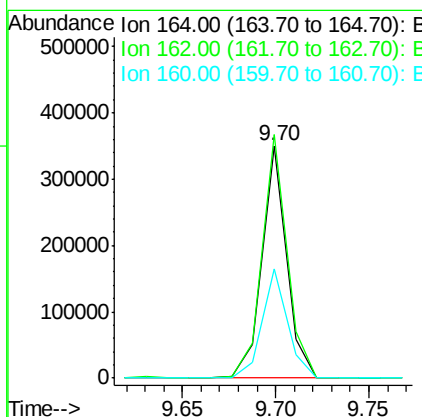
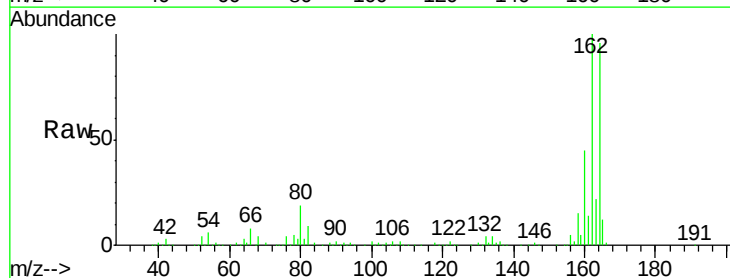
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

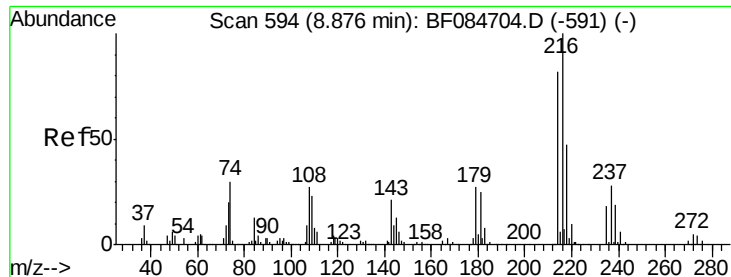
Tgt Ion:142 Resp: 959809  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.4 108.6  
115 39.8 27.9 41.9



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.03 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion:164 Resp: 317004  
Ion Ratio Lower Upper  
164 100  
162 104.7 85.1 127.7  
160 47.1 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.99 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

Tgt Ion:216 Resp: 412682

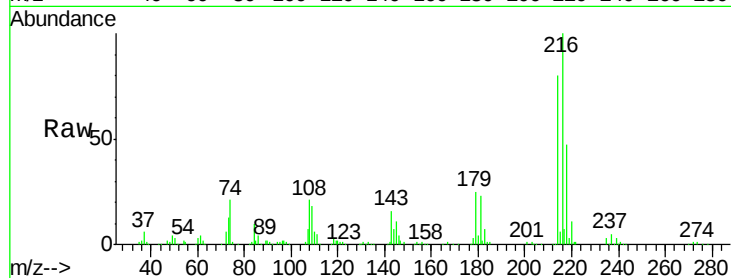
Ion Ratio Lower Upper

216 100

214 79.7 64.2 96.2

179 24.1 18.7 28.1

108 24.2 16.8 25.2

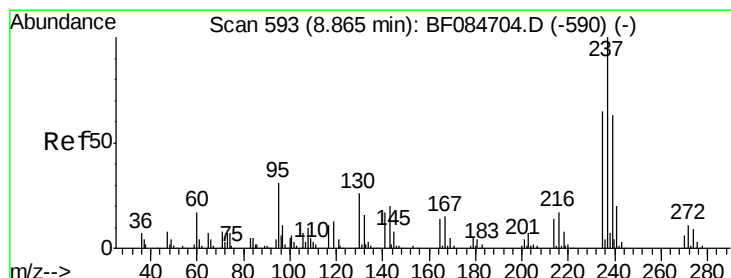
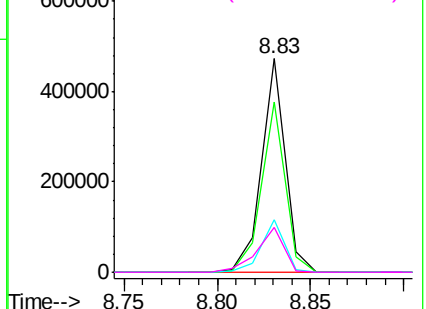
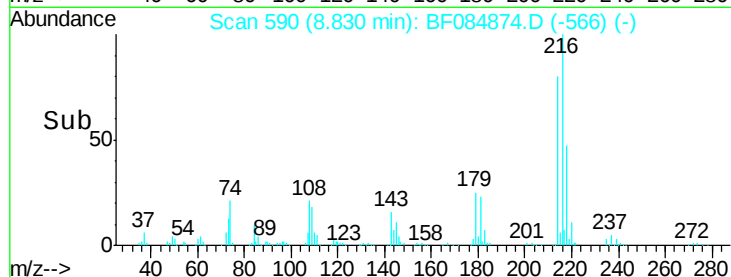


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 87.57 ng

RT: 8.82 min Scan# 589

Delta R.T. -0.02 min

Lab File: BF084874.D

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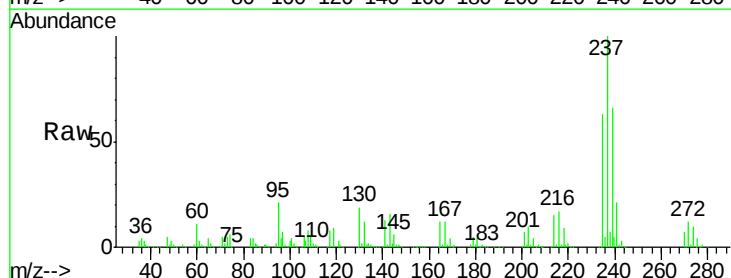
Tgt Ion:237 Resp: 404260

Ion Ratio Lower Upper

237 100

235 63.3 43.1 83.1

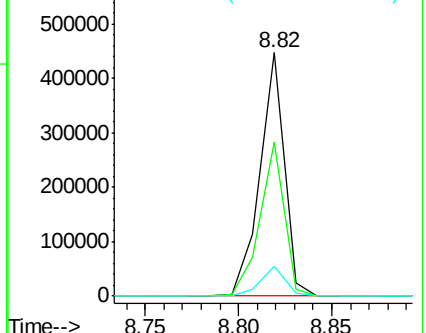
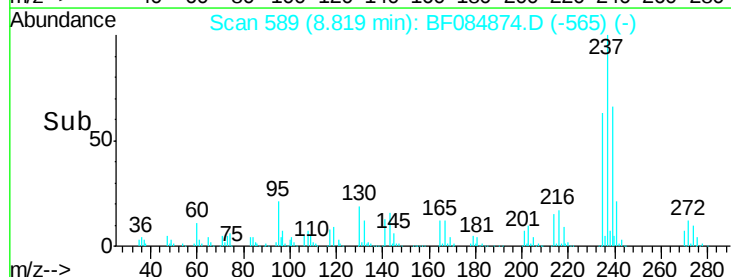
272 12.4 0.0 35.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

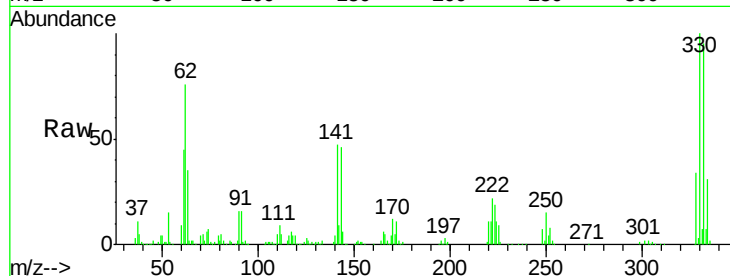




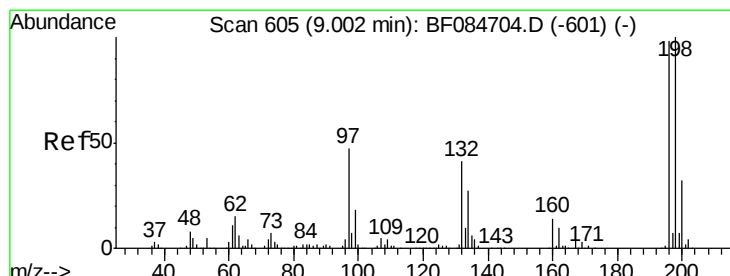
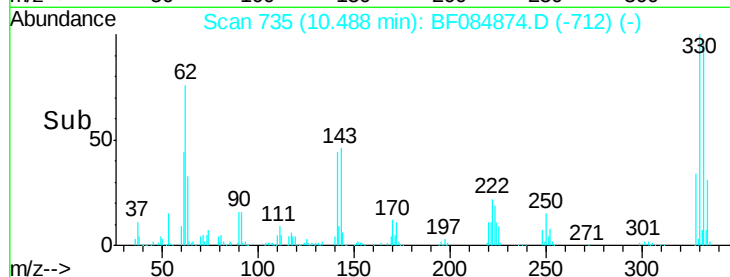
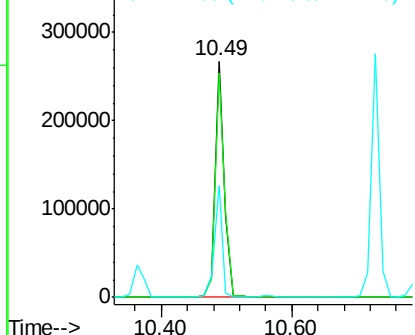
#41  
 2,4,6-Tribromophenol  
 Concen: 81.56 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Tgt Ion:330 Resp: 269689  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 40.4 27.8 41.6

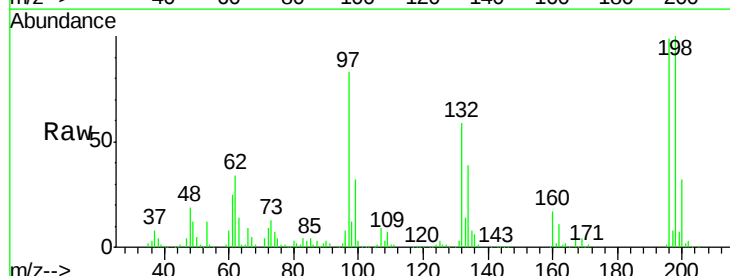


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

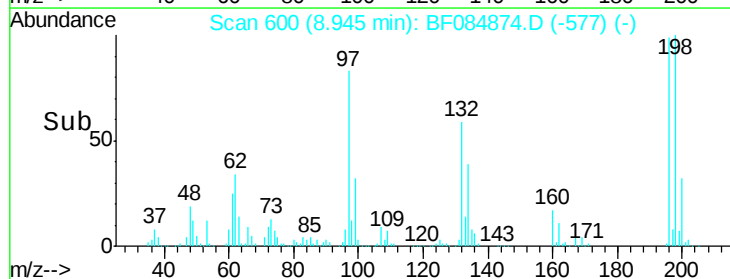
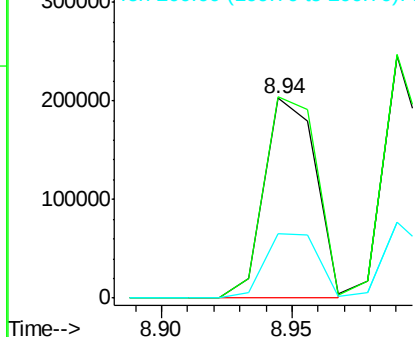


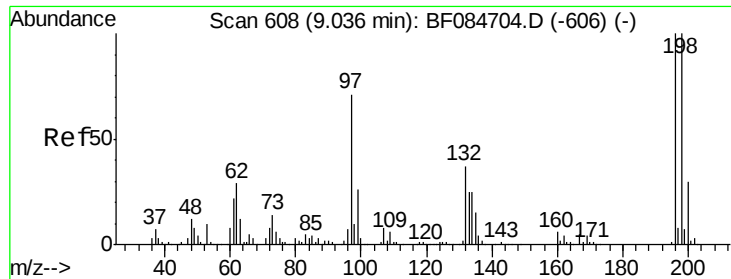
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.90 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. -0.03 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Tgt Ion:196 Resp: 278249  
 Ion Ratio Lower Upper  
 196 100  
 198 100.6 77.7 116.5  
 200 32.0 24.6 37.0



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

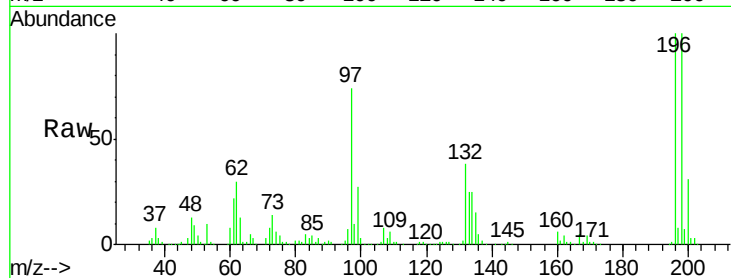




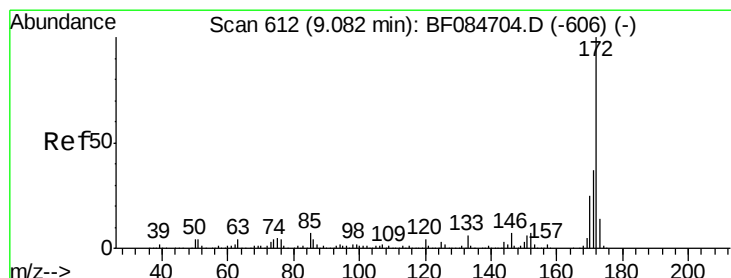
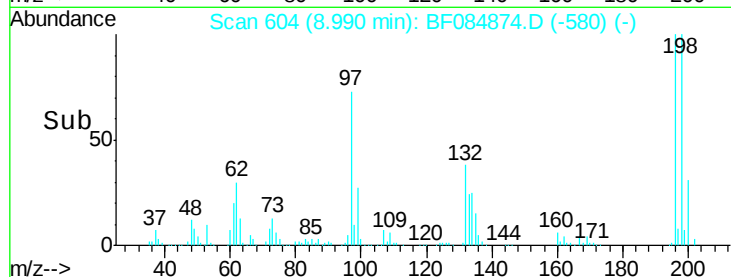
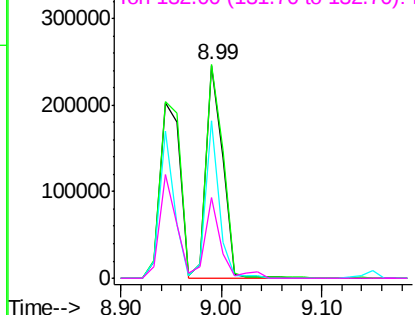
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.83 ng  
 RT: 8.99 min Scan# 604  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88197BSD

Tgt Ion:196 Resp: 282273  
 Ion Ratio Lower Upper  
 196 100  
 198 100.2 79.0 118.6  
 97 73.7 33.0 49.6#  
 132 38.0 21.1 31.7#

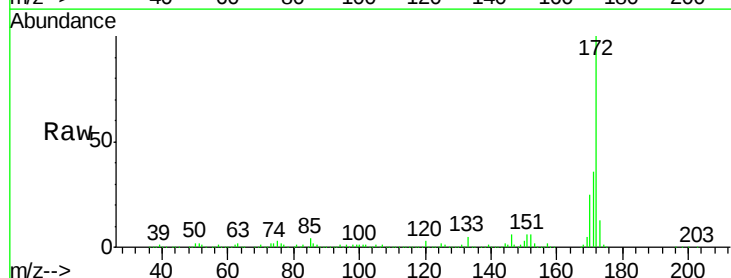


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

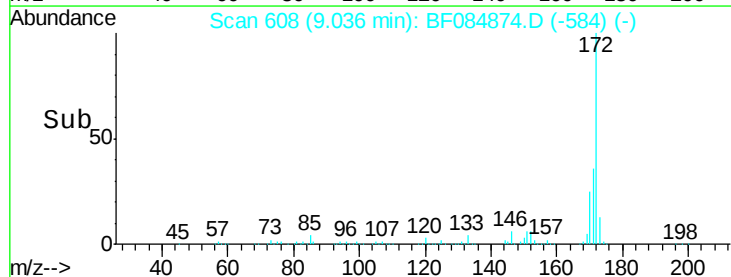
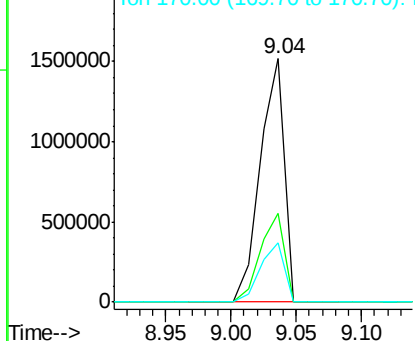


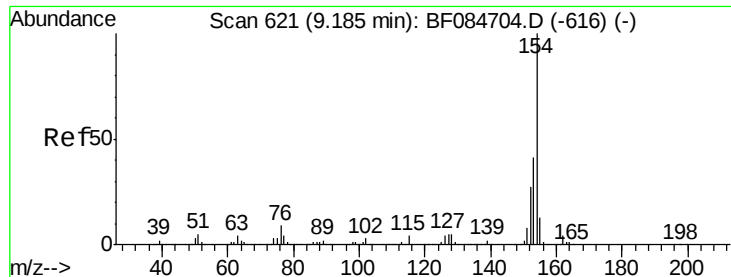
#44  
 2-Fluorobiphenyl  
 Concen: 120.18 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. -0.02 min  
 Lab File: BF084874.D  
 Acq: 5 Feb 2016 21:56

Tgt Ion:172 Resp: 1950266  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.9 43.3  
 170 24.5 18.6 27.8



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: 38.89 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

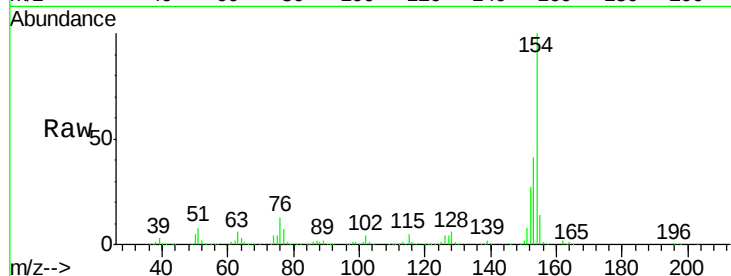
Tgt Ion:154 Resp: 1101026

Ion Ratio Lower Upper

154 100

153 41.2 21.6 61.6

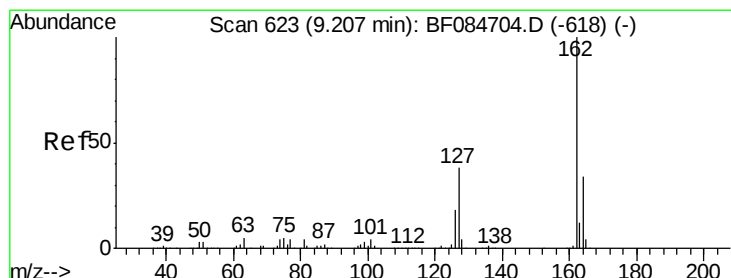
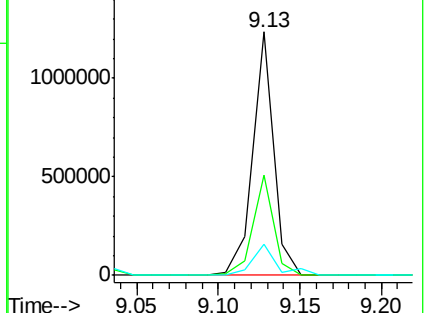
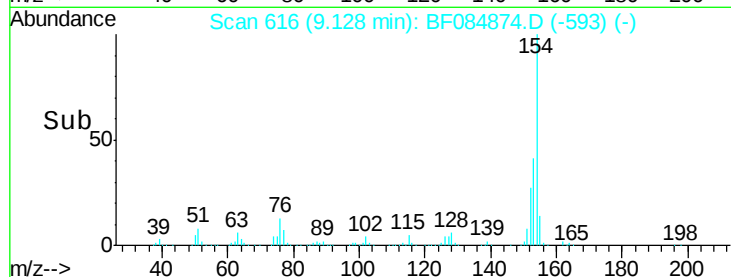
76 13.0 0.0 32.7



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: 42.54 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

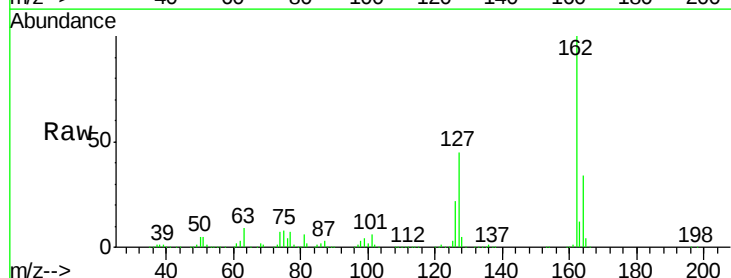
Tgt Ion:162 Resp: 887115

Ion Ratio Lower Upper

162 100

127 45.0 40.2 60.4

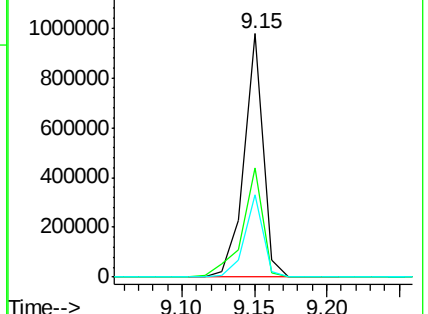
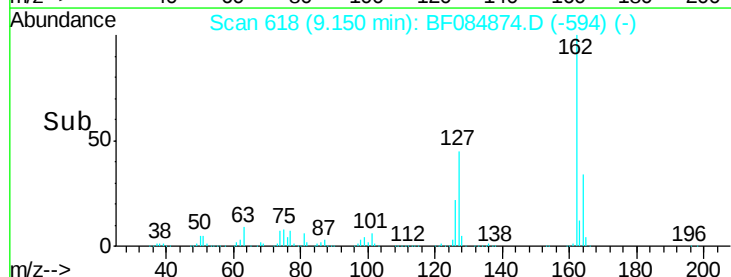
164 33.8 25.7 38.5

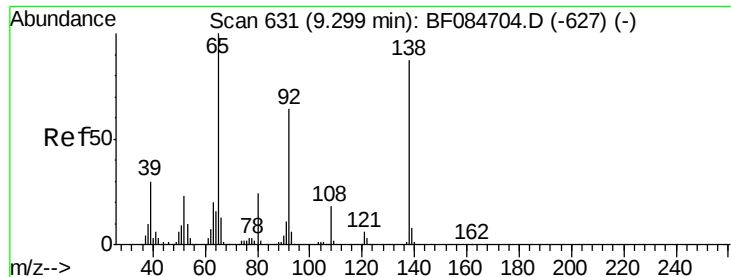


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

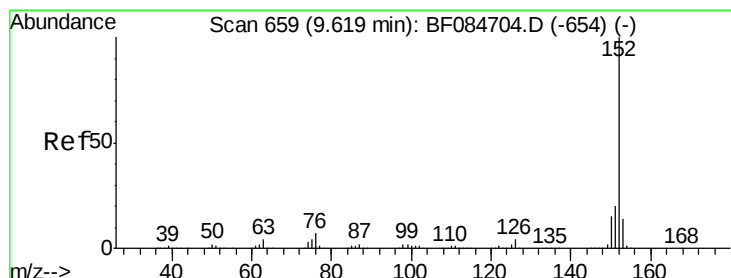
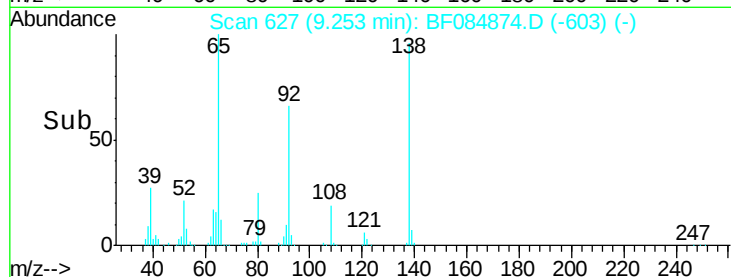
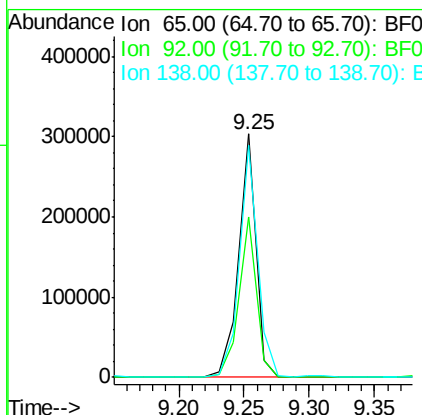
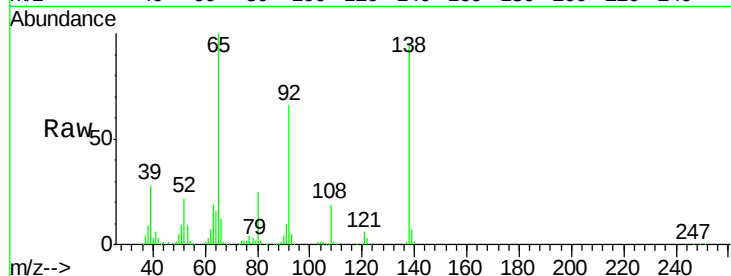




#47  
2-Nitroaniline  
Concen: 41.85 ng  
RT: 9.25 min Scan# 627  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

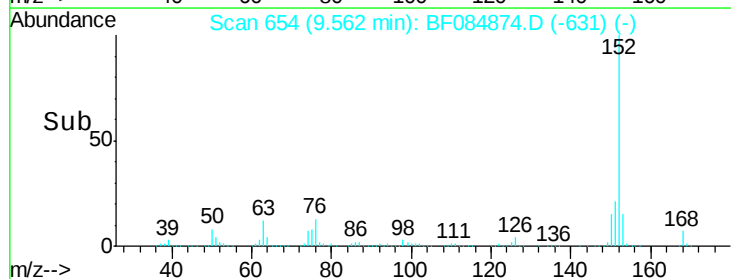
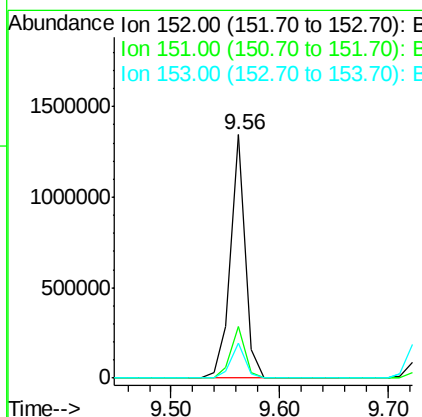
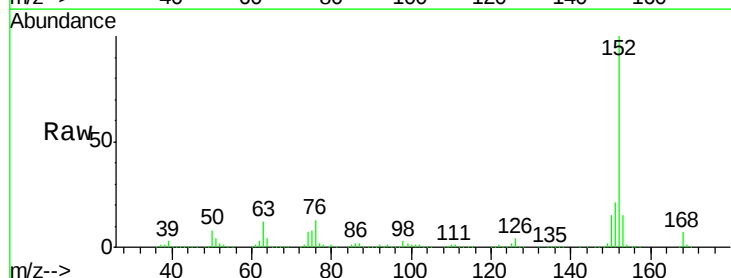
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

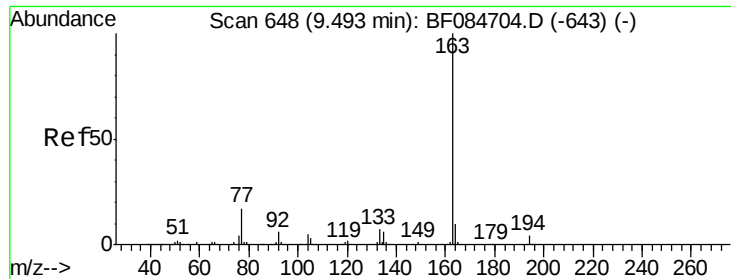
Tgt Ion: 65 Resp: 276308  
Ion Ratio Lower Upper  
65 100  
92 65.7 53.4 80.2  
138 95.4 71.1 106.7



#48  
Acenaphthylene  
Concen: 39.43 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.03 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion: 152 Resp: 1247697  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.3 24.5  
153 14.6 10.4 15.6

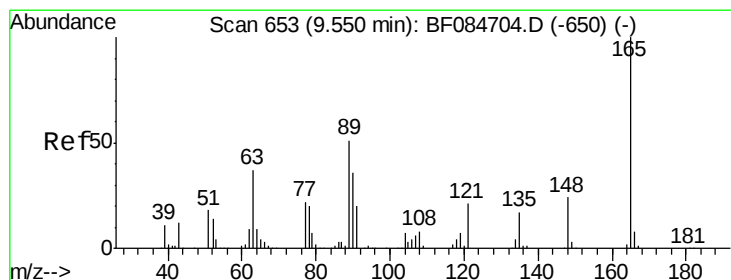
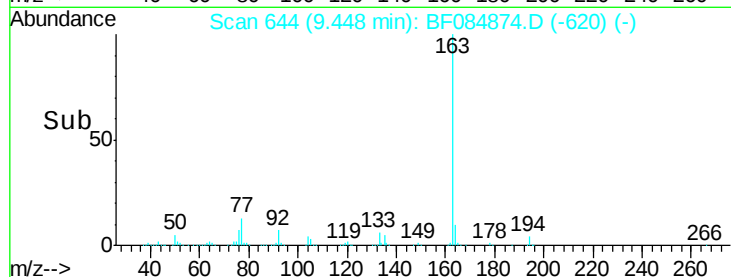
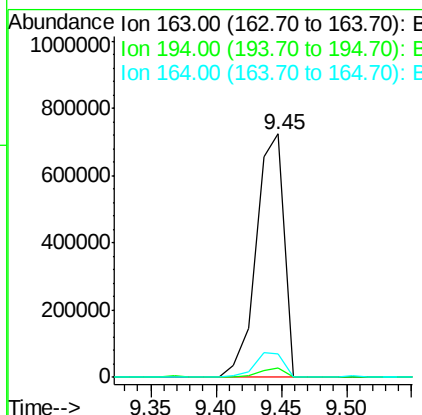
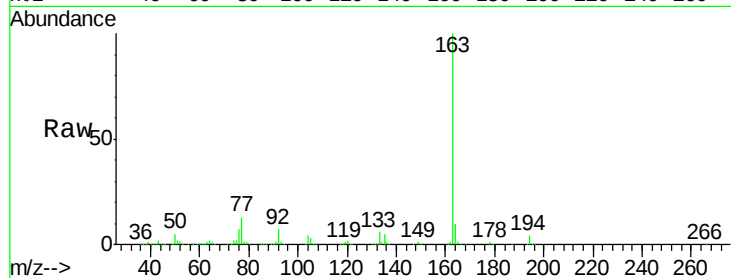




#49  
Dimethylphthalate  
Concen: 44.49 ng  
RT: 9.45 min Scan# 644  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

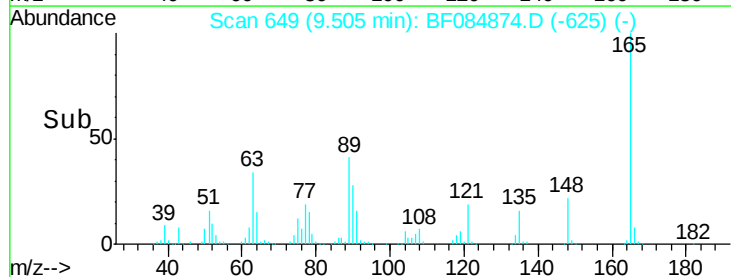
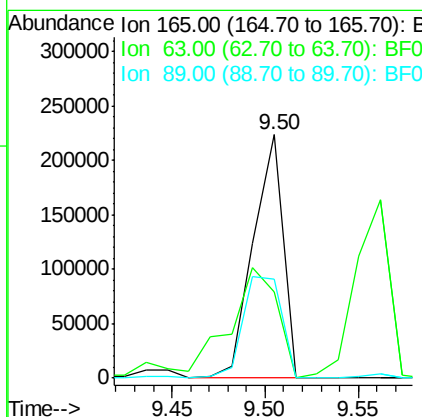
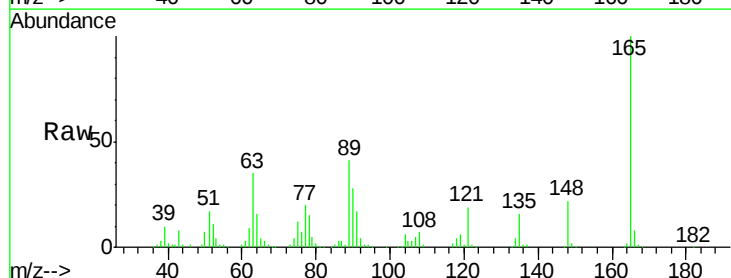
Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

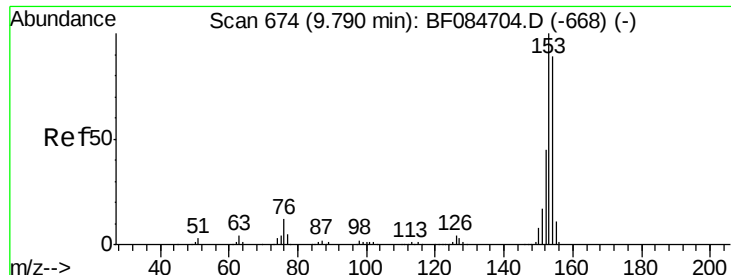
Tgt Ion:163 Resp: 1074123  
Ion Ratio Lower Upper  
163 100  
194 3.6 8.0 12.0#  
164 9.8 8.0 12.0



#50  
2,6-Dinitrotoluene  
Concen: 47.02 ng  
RT: 9.50 min Scan# 649  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion:165 Resp: 248021  
Ion Ratio Lower Upper  
165 100  
63 35.3 28.8 43.2  
89 40.5 35.1 52.7





#51

Acenaphthene

Concen: 39.59 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

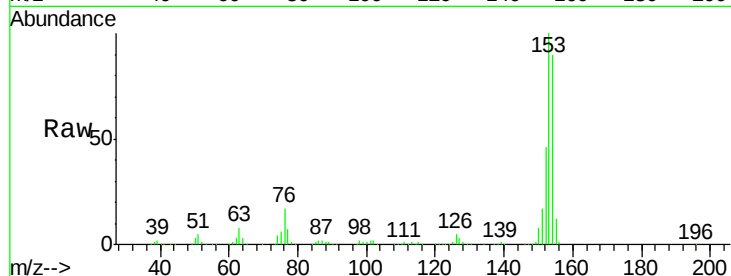
Tgt Ion:154 Resp: 814981

Ion Ratio Lower Upper

154 100

153 111.1 91.5 137.3

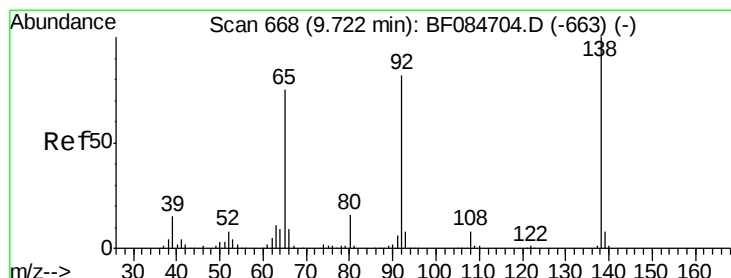
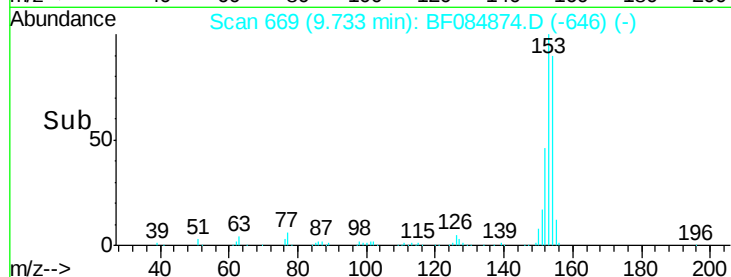
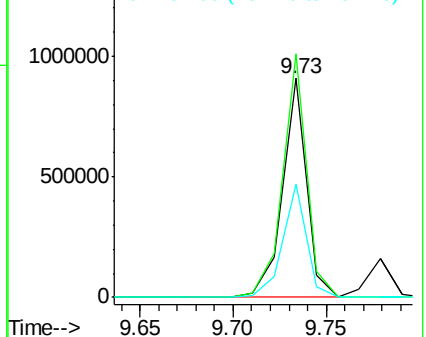
152 51.4 43.0 64.6



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: 25.96 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

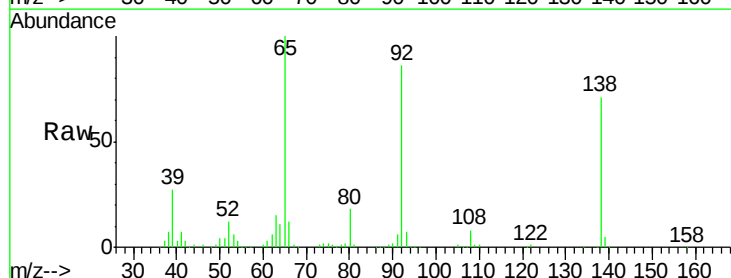
Tgt Ion:138 Resp: 153839

Ion Ratio Lower Upper

138 100

108 11.3 10.5 15.7

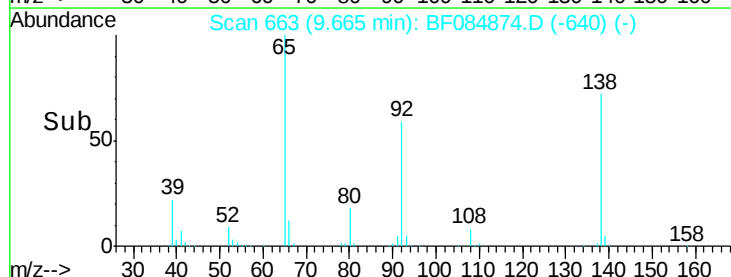
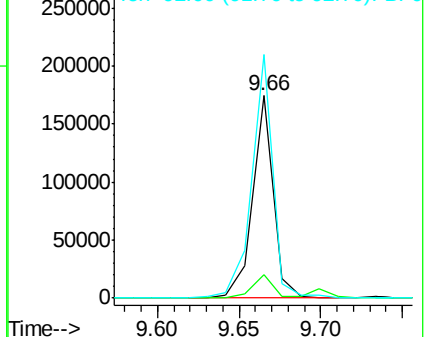
92 120.4 103.9 155.9

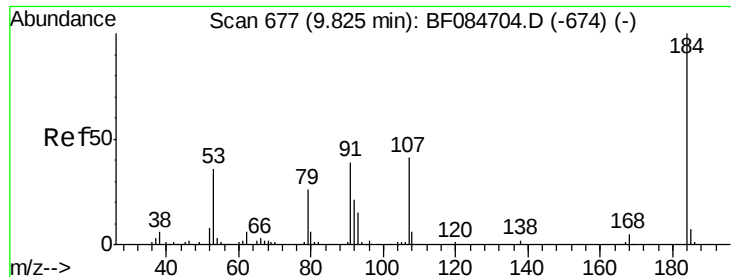


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

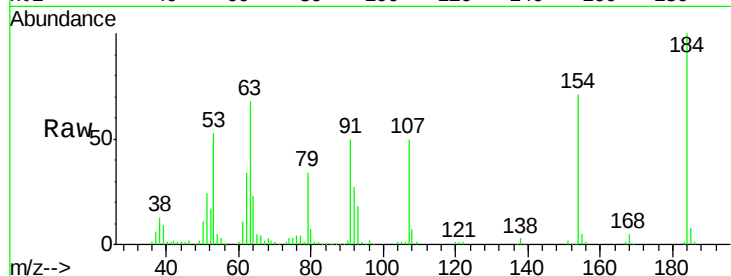




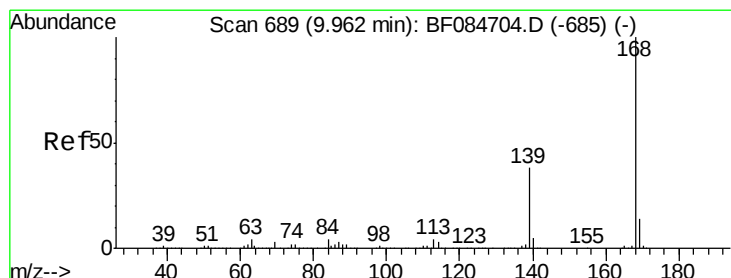
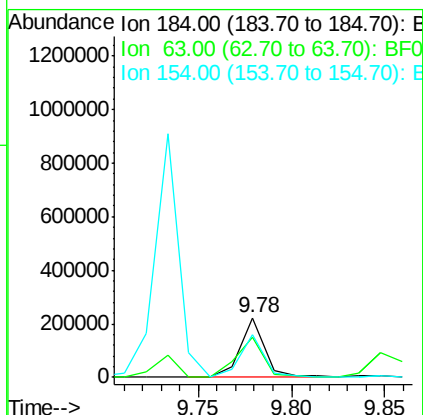
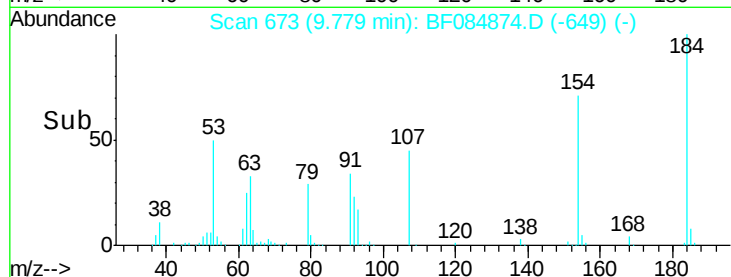
#53  
2,4-Dinitrophenol  
Concen: 84.65 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.02 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB88197BSD

Tgt Ion:184 Resp: 206951  
Ion Ratio Lower Upper  
184 100  
63 68.2 43.1 64.7#  
154 71.1 60.5 90.7

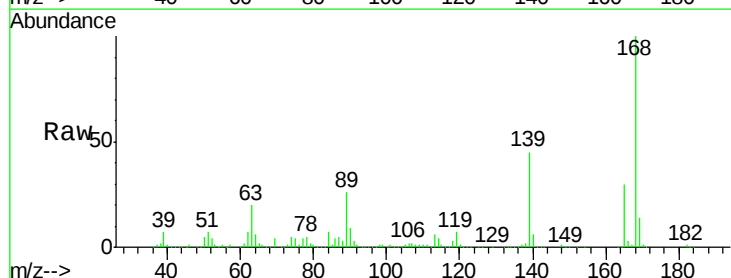


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

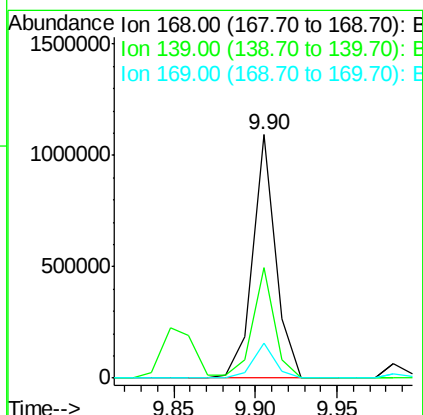
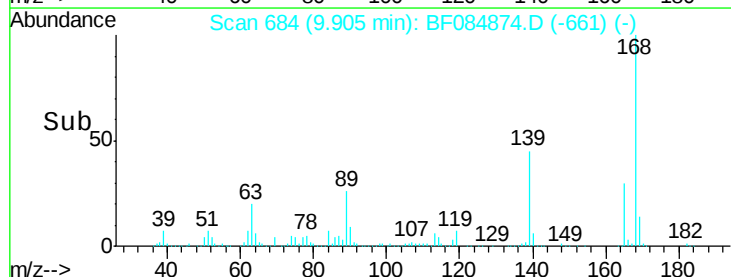


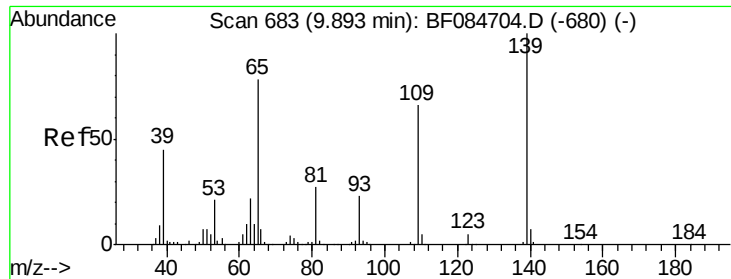
#54  
Dibenzofuran  
Concen: 42.61 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.03 min  
Lab File: BF084874.D  
Acq: 5 Feb 2016 21:56

Tgt Ion:168 Resp: 1072123  
Ion Ratio Lower Upper  
168 100  
139 45.1 30.5 45.7  
169 14.3 10.4 15.6



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: 71.73 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

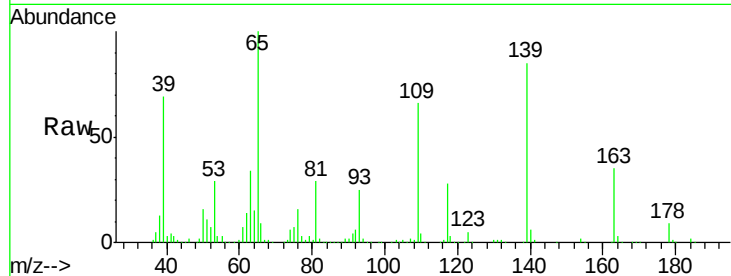
Tgt Ion:139 Resp: 312469

Ion Ratio Lower Upper

139 100

109 78.3 58.5 98.5

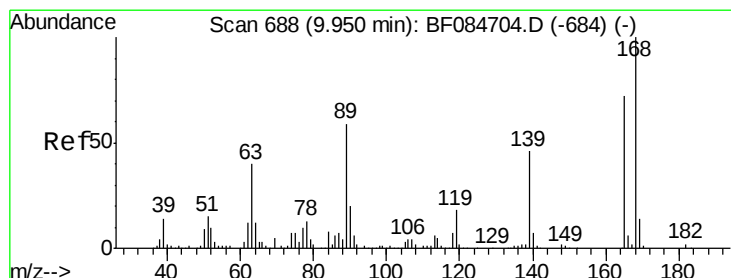
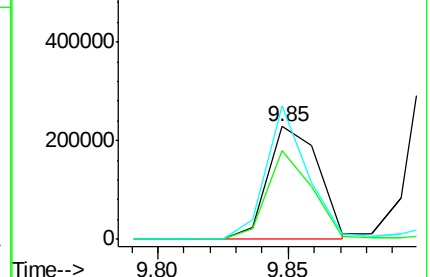
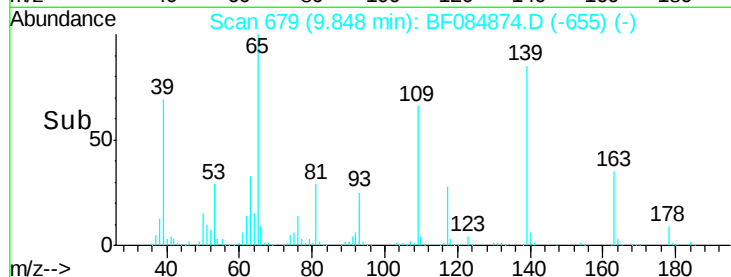
65 118.1 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 44.24 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Tgt Ion:165 Resp: 297611

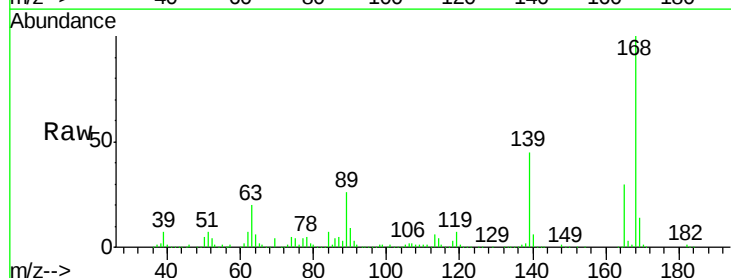
Ion Ratio Lower Upper

165 100

63 67.1 36.7 55.1#

89 87.8 61.9 92.9

182 2.3 2.0 3.0

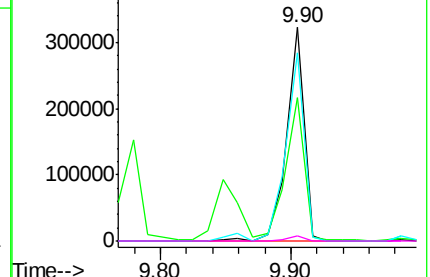
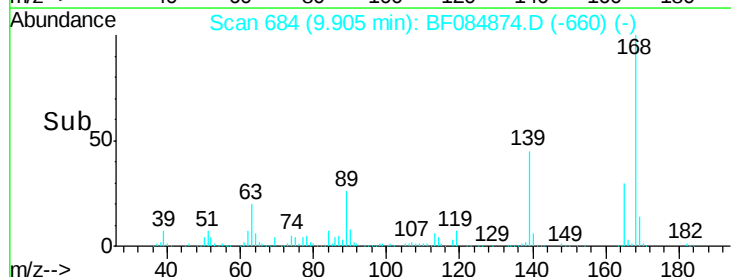


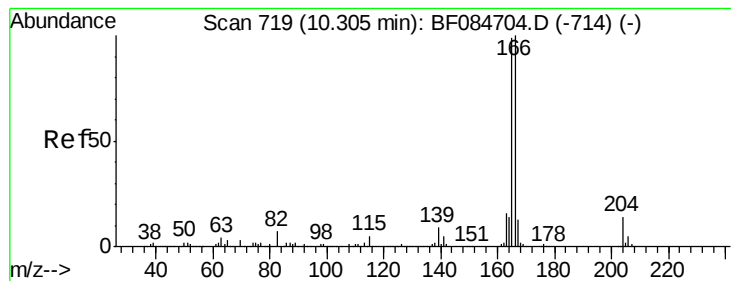
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 42.39 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Instrument :

BNA\_F

ClientSampleId :

PB88197BSD

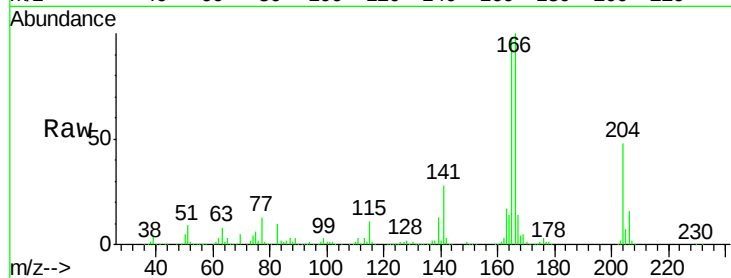
Tgt Ion:166 Resp: 890722

Ion Ratio Lower Upper

166 100

165 97.9 79.1 118.7

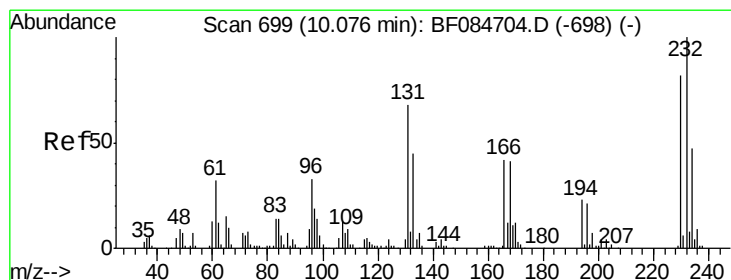
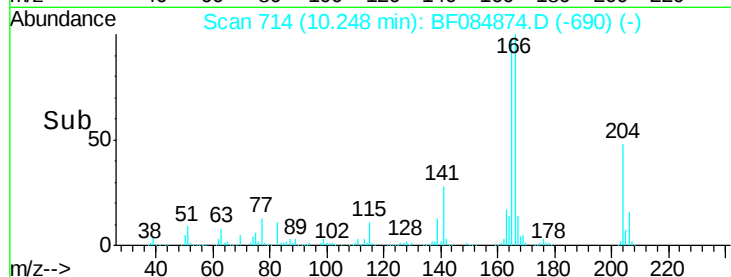
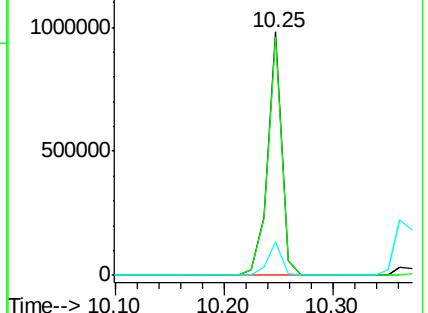
167 13.9 10.4 15.6



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: 48.44 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF084874.D

Acq: 5 Feb 2016 21:56

Tgt Ion:232 Resp: 243024

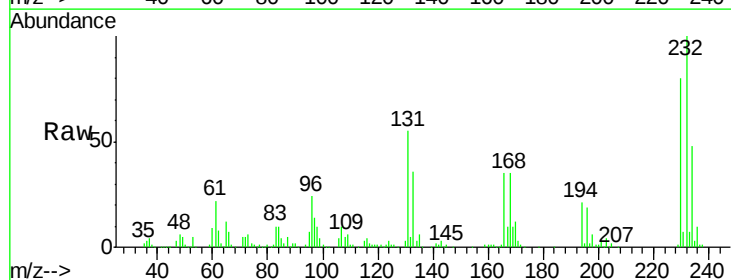
Ion Ratio Lower Upper

232 100

131 53.6 47.0 70.6

130 2.5 2.0 3.0

166 33.0 30.5 45.7



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

