

Data Path : Z:\HPCHEM1\BNA F\Data\BF012015\  
 Data File : BF076970.D  
 Acq On : 20 Jan 2015 19:37  
 Operator : IZ / TP  
 Sample : G1109-07MS  
 Misc : W  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 21 01:05:18 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 21 00:34:31 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 27824    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 121230   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.95 | 164  | 65675    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.74 | 188  | 114220   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.24 | 240  | 112544   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.87 | 264  | 97863    | 20.00 | ng    | -0.06    |

|                             |       |     |        |        |    |      |
|-----------------------------|-------|-----|--------|--------|----|------|
| System Monitoring Compounds |       |     |        |        |    |      |
| 5) 2-Fluorophenol           | 4.96  | 112 | 97520  | 57.63  | ng | 0.00 |
| 7) Phenol-d6                | 7.32  | 99  | 74212  | 34.76  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.21  | 82  | 201992 | 92.31  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.64 | 330 | 78656  | 147.54 | ng | 0.01 |
| 44) 2-Fluorobiphenyl        | 13.48 | 172 | 413510 | 95.82  | ng | 0.00 |
| 78) Terphenyl-d14           | 19.97 | 244 | 418426 | 85.59  | ng | 0.00 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.25  | 88  | 9926   | 13.70 | ng | # 85   |
| 3) Pyridine                    | 1.76  | 79  | 15767  | 8.41  | ng | 91     |
| 4) n-Nitrosodimethylamine      | 1.68  | 42  | 15623  | 16.82 | ng | 92     |
| 6) Aniline                     | 7.20  | 93  | 34144  | 11.56 | ng | 96     |
| 8) 2-Chlorophenol              | 7.44  | 128 | 69993  | 35.88 | ng | 94     |
| 9) Benzaldehyde                | 6.92  | 77  | 21315  | 15.45 | ng | 95     |
| 10) Phenol                     | 7.35  | 94  | 26775  | 11.81 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93  | 82345  | 46.42 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.75  | 146 | 90061  | 40.57 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.94  | 146 | 93652  | 39.79 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.26  | 146 | 92625  | 42.71 | ng | 99     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 41099  | 23.79 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70  | 45  | 111986 | 46.97 | ng | 83     |
| 17) 2-Methylphenol             | 8.70  | 107 | 44168  | 27.70 | ng | # 86   |
| 18) Hexachloroethane           | 9.01  | 117 | 34414  | 42.04 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.97  | 70  | 67736  | 45.33 | ng | 95     |
| 20) 3+4-Methylphenols          | 9.08  | 107 | 50041  | 23.70 | ng | 97     |
| 22) Acetophenone               | 8.89  | 105 | 135436 | 45.61 | ng | 99     |
| 24) Nitrobenzene               | 9.25  | 77  | 100239 | 44.97 | ng | 98     |
| 25) Isophorone                 | 9.85  | 82  | 180949 | 45.41 | ng | 98     |
| 26) 2-Nitrophenol              | 9.99  | 139 | 47175  | 41.57 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 10.28 | 122 | 66007  | 38.29 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93  | 108365 | 47.84 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 69369  | 43.18 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 78898  | 44.21 | ng | 96     |
| 31) Naphthalene                | 10.87 | 128 | 274570 | 43.99 | ng | 97     |
| 32) Benzoic acid               | 10.56 | 122 | 13038  | 13.65 | ng | 96     |
| 33) 4-Chloroaniline            | 11.12 | 127 | 30622  | 12.14 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 43752  | 41.32 | ng | 93     |
| 35) Caprolactam                | 11.95 | 113 | 1785   | 3.77  | ng | # 53   |
| 36) 4-Chloro-3-methylphenol    | 12.40 | 107 | 71582  | 38.91 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.53 | 142 | 193975 | 45.51 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 77651  | 47.82 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.92 | 237 | 74857  | 85.32 | ng | 98     |

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 ALS Vial : 11 Sample Multiplier: 1

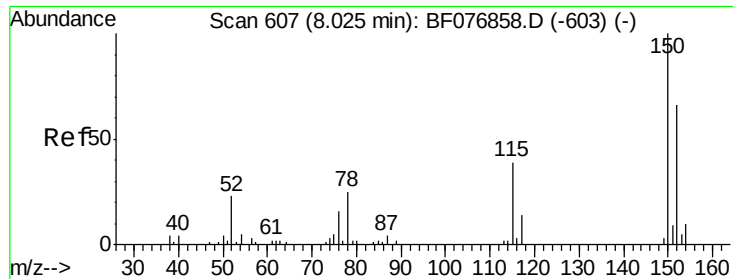
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 21 01:05:18 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 21 00:34:31 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.27 | 196  | 52531    | 44.40 | nq    | 87       |
| 43) 2,4,5-Trichlorophenol      | 13.35 | 196  | 53638    | 44.45 | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 13.68 | 154  | 231501   | 47.55 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 13.65 | 162  | 186614   | 46.58 | nq    | 98       |
| 47) 2-Nitroaniline             | 13.99 | 65   | 60088    | 49.44 | nq    | 94       |
| 48) Acenaphthylene             | 14.61 | 152  | 306246   | 45.32 | nq    | 99       |
| 49) Dimethylphthalate          | 14.55 | 163  | 223412   | 47.97 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.64 | 165  | 47116    | 50.63 | nq    | 94       |
| 51) Acenaphthene               | 15.03 | 154  | 171635   | 44.76 | nq    | 98       |
| 52) 3-Nitroaniline             | 14.99 | 138  | 20580    | 18.11 | nq    | 85       |
| 53) 2,4-Dinitrophenol          | 15.27 | 184  | 40719    | 91.30 | nq    | 93       |
| 54) Dibenzofuran               | 15.45 | 168  | 267435   | 47.88 | nq    | 98       |
| 55) 4-Nitrophenol              | 15.59 | 139  | 21003    | 28.77 | nq    | 87       |
| 56) 2,4-Dinitrotoluene         | 15.58 | 165  | 66154    | 47.45 | nq    | # 93     |
| 57) Fluorene                   | 16.17 | 166  | 220786   | 46.66 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.79 | 232  | 43611    | 49.64 | nq    | 97       |
| 59) Diethylphthalate           | 16.17 | 149  | 233277   | 49.56 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.27 | 204  | 95337    | 49.24 | nq    | 94       |
| 61) 4-Nitroaniline             | 16.31 | 138  | 42406    | 36.50 | nq    | 92       |
| 62) Azobenzene                 | 16.55 | 77   | 235082   | 47.93 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 16.39 | 198  | 29898    | 41.23 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.51 | 169  | 185270   | 45.49 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.11 | 248  | 56829    | 49.11 | nq    | # 88     |
| 67) Hexachlorobenzene          | 17.12 | 284  | 56515    | 46.34 | nq    | 90       |
| 68) Atrazine                   | 17.48 | 200  | 65961    | 53.37 | nq    | 97       |
| 69) Pentachlorophenol          | 17.49 | 266  | 53160    | 93.74 | nq    | 96       |
| 70) Phenanthrene               | 17.77 | 178  | 320562   | 45.00 | nq    | 98       |
| 71) Anthracene                 | 17.84 | 178  | 315539   | 45.43 | nq    | 99       |
| 72) Carbazole                  | 18.13 | 167  | 312677   | 46.41 | nq    | 100      |
| 73) Di-n-butylphthalate        | 18.72 | 149  | 408851   | 52.43 | nq    | 99       |
| 74) Fluoranthene               | 19.41 | 202  | 338805   | 46.42 | nq    | 97       |
| 76) Benzidine                  | 19.65 | 184  | 37280    | 10.35 | nq    | 96       |
| 77) Pyrene                     | 19.69 | 202  | 352043   | 45.64 | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.63 | 149  | 179090   | 51.27 | nq    | 94       |
| 80) Benzo(a)anthracene         | 21.23 | 228  | 325092   | 46.04 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 63701    | 28.39 | nq    | # 97     |
| 82) Chrysene                   | 21.27 | 228  | 284782   | 44.23 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.36 | 149  | 253878   | 52.53 | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 443100   | 52.82 | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 22.47 | 252  | 300579   | 45.60 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 22.47 | 252  | 300579   | 52.20 | nq    | 99       |
| 89) Benzo(a)pyrene             | 22.81 | 252  | 259741   | 44.68 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 24.00 | 278  | 219629   | 41.17 | nq    | # 95     |
| 91) Benzo(q,h,i)perylene       | 24.27 | 276  | 236695   | 44.63 | nq    | # 92     |
| -----                          |       |      |          |       |       |          |

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



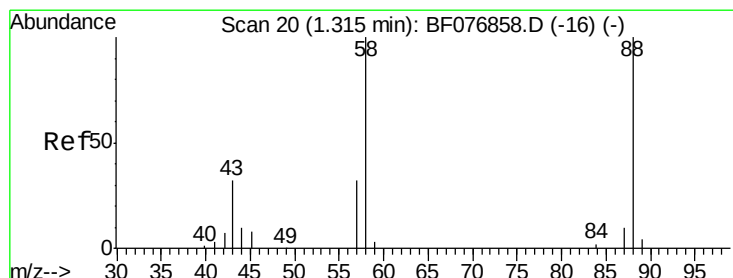
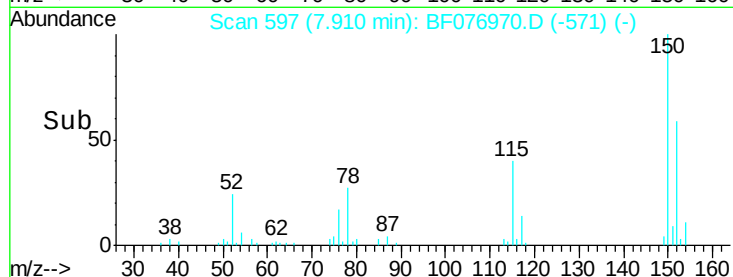
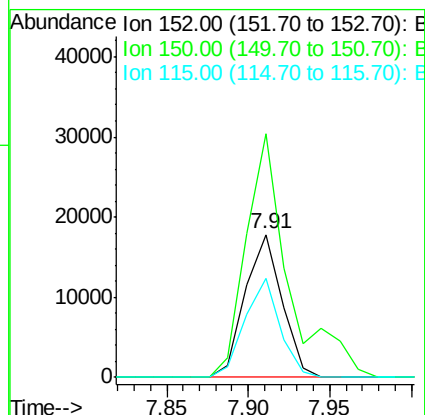
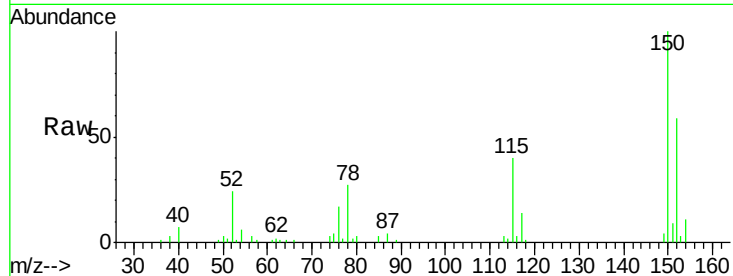


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.91 min Scan# 597  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampled :

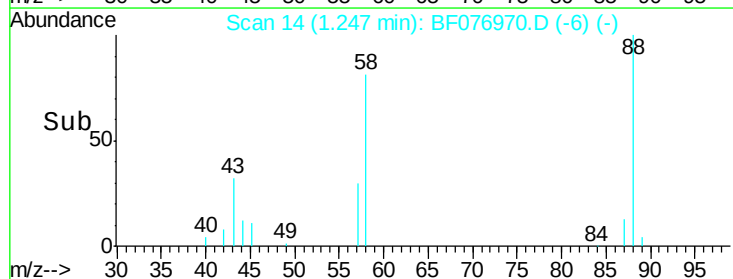
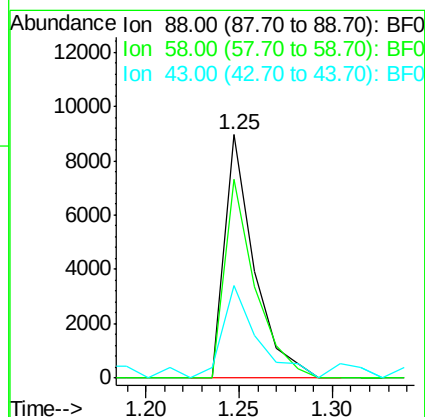
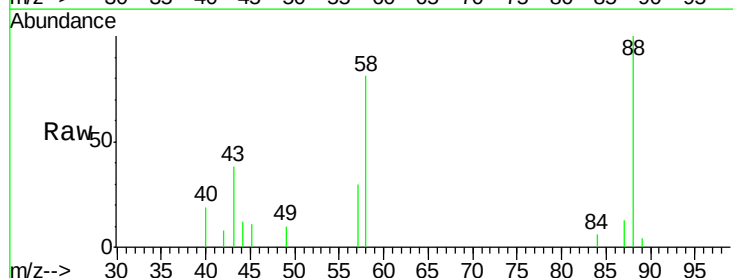
Tot Ion:152 Resp: 27824  
Ion Ratio Lower Upper  
152 100  
150 170.3 121.7 182.5  
115 68.9 47.0 70.6

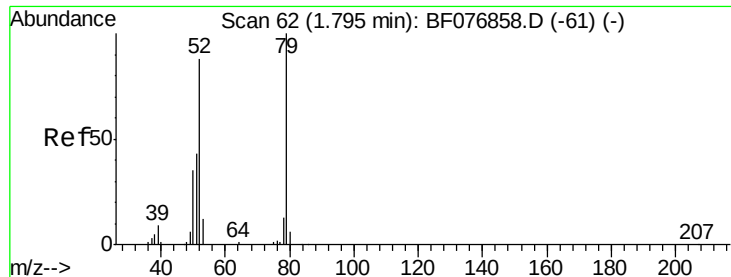


#2

1,4-Dioxane  
Concen: 13.70 ng  
RT: 1.25 min Scan# 14  
Delta R.T. -0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion: 88 Resp: 9926  
Ion Ratio Lower Upper  
88 100  
58 84.5 77.0 115.4  
43 44.3 25.6 38.4#

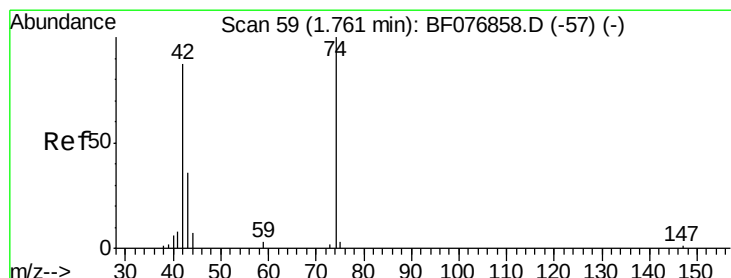
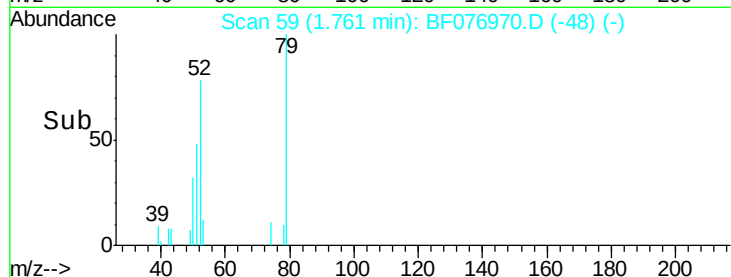
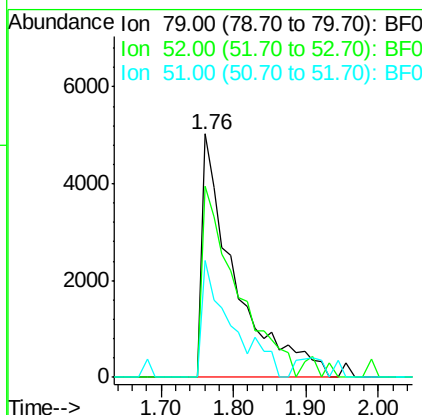
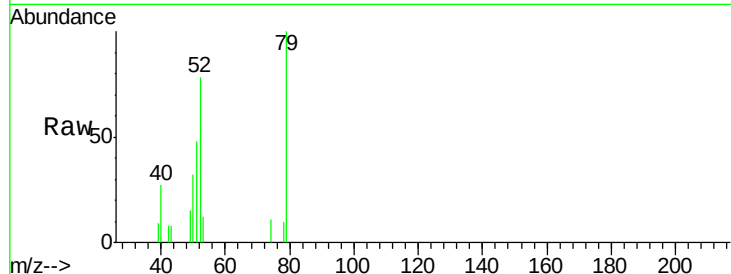




#3  
 Pvridine  
 Concen: 8.41 ng  
 RT: 1.76 min Scan# 59  
 Delta R.T. 0.02 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

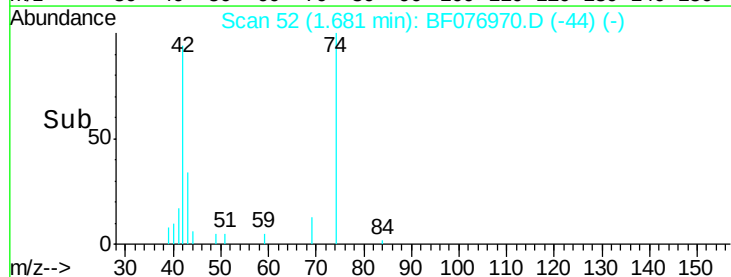
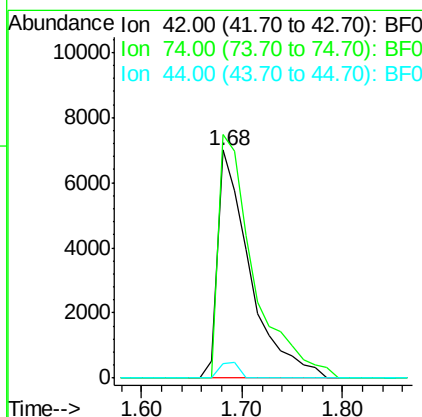
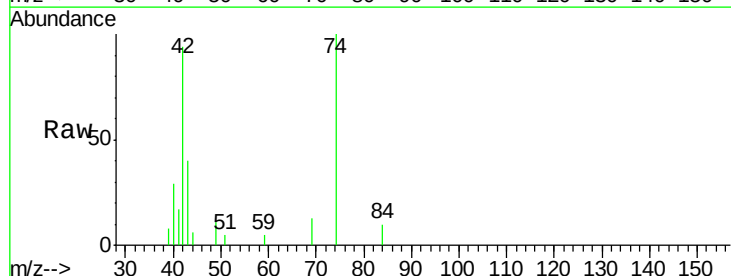
Instrument :  
 BNA\_F  
 ClientSampleId :

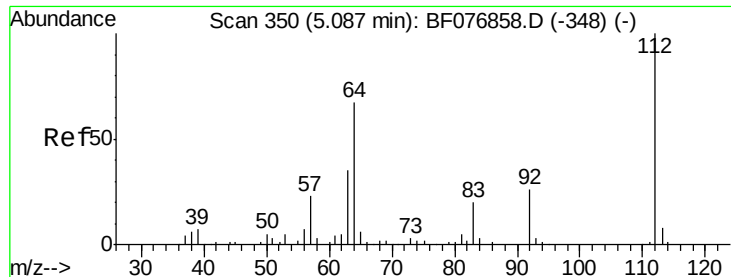
Tot Ion: 79 Resp: 15767  
 Ion Ratio Lower Upper  
 79 100  
 52 78.3 70.1 105.1  
 51 47.9 35.1 52.7



#4  
 n-Nitrosodimethylamine  
 Concen: 16.82 ng  
 RT: 1.68 min Scan# 52  
 Delta R.T. -0.01 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion: 42 Resp: 15623  
 Ion Ratio Lower Upper  
 42 100  
 74 106.9 92.4 138.6  
 44 6.4 6.2 9.2





#5

2-Fluorophenol

Concen: 57.63 ng

RT: 4.96 min Scan# 339

Delta R.T. 0.00 min

Lab File: BF076970.D

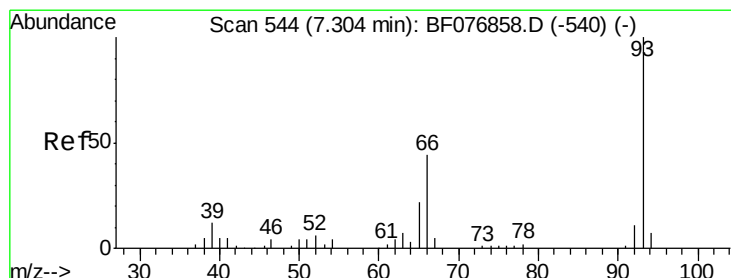
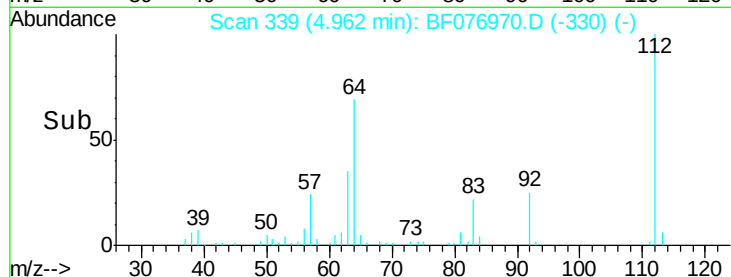
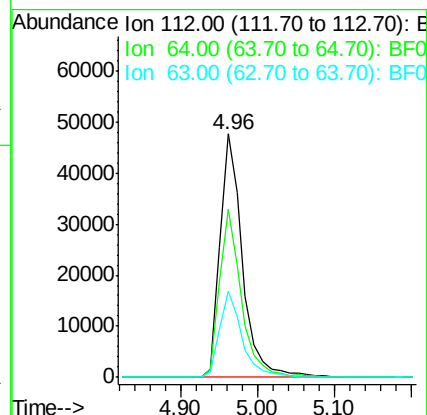
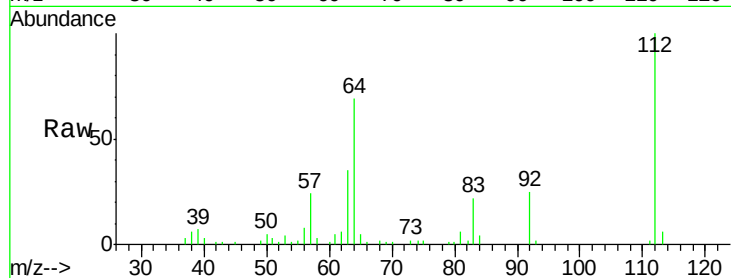
Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 97520 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 68.9  | 54.2  | 81.4  |
| 63       | 35.2  | 28.4  | 42.6  |



#6

Aniline

Concen: 11.56 ng

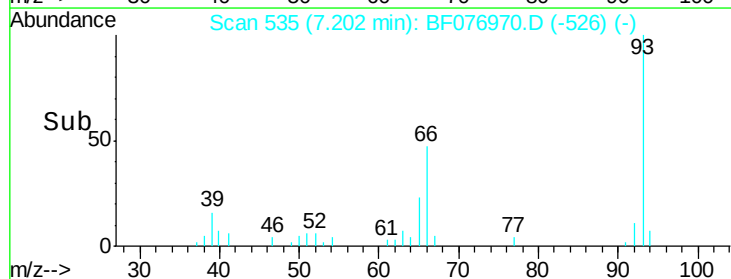
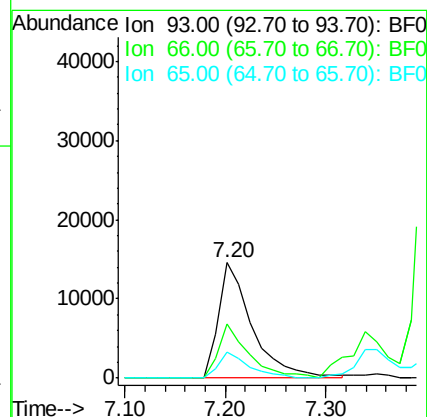
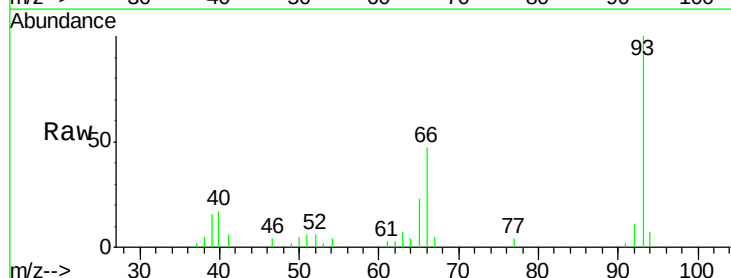
RT: 7.20 min Scan# 535

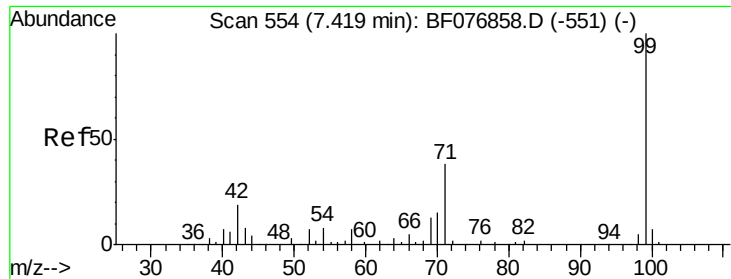
Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 34144 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 47.2  | 35.0  | 52.4  |
| 65       | 22.7  | 17.7  | 26.5  |





#7

Phenol-d6

Concen: 34.76 ng

RT: 7.32 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

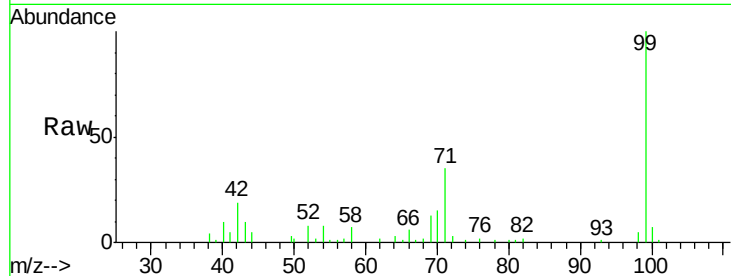
Tot Ion: 99 Resp: 74212

Ion Ratio Lower Upper

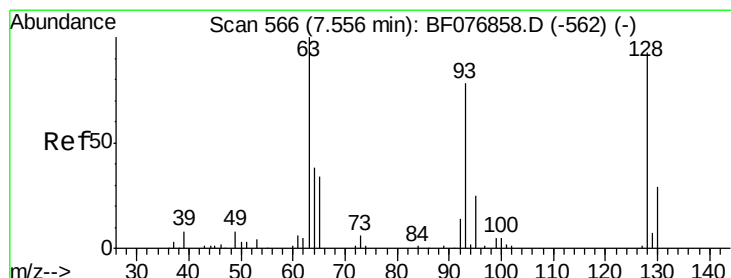
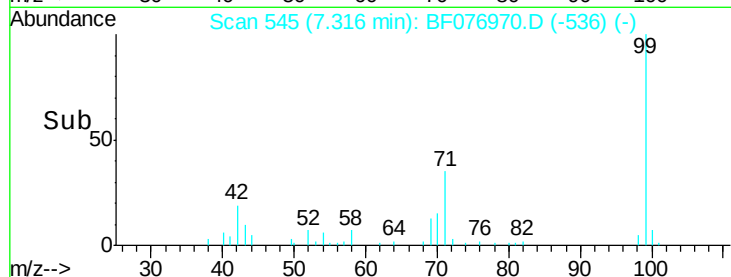
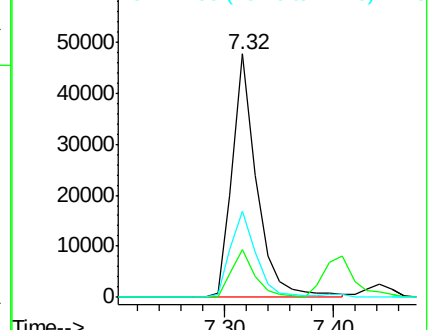
99 100

42 19.4 15.0 22.4

71 35.2 30.5 45.7



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: 35.88 ng

RT: 7.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

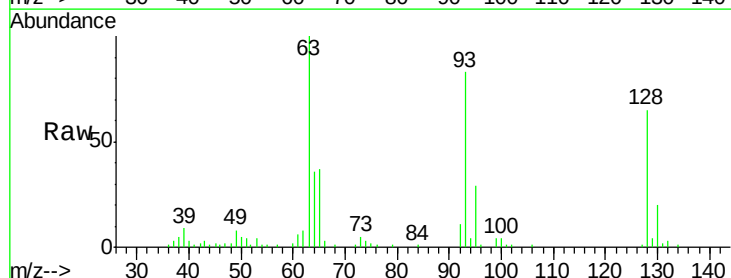
Tgt Ion: 128 Resp: 69993

Ion Ratio Lower Upper

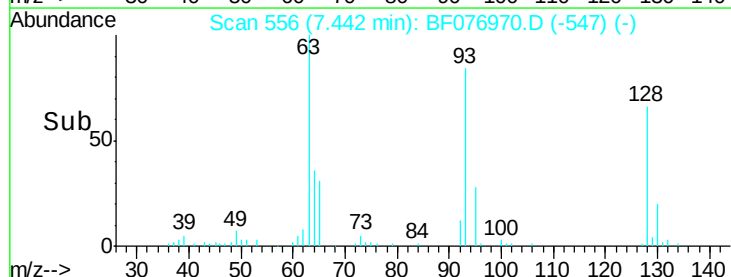
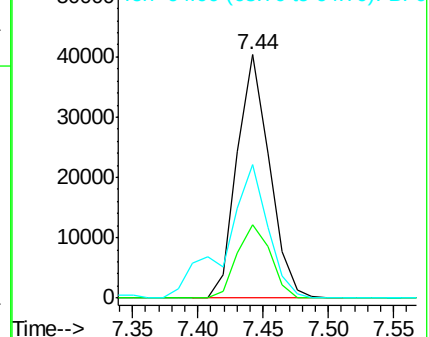
128 100

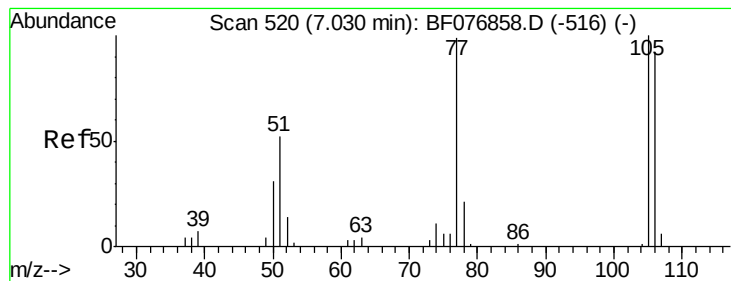
130 30.4 11.0 51.0

64 55.1 29.3 69.3



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: 15.45 ng

RT: 6.92 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampled :

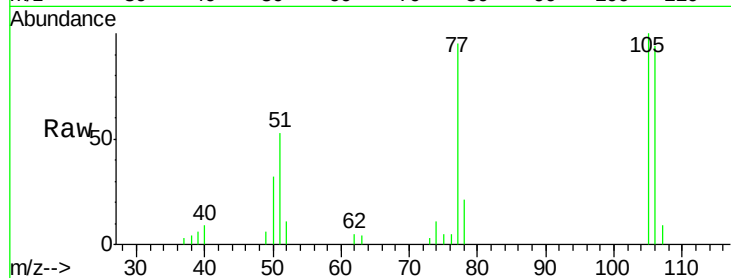
Tot Ion: 77 Resp: 21315

Ion Ratio Lower Upper

77 100

105 105.3 81.4 121.4

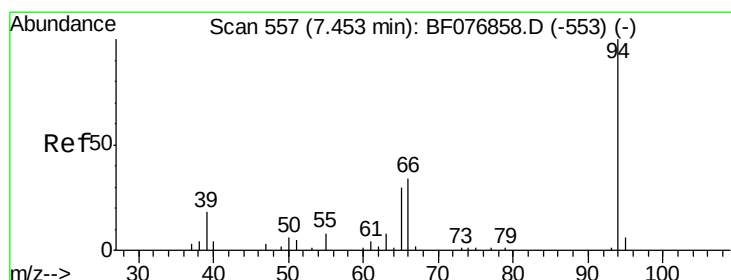
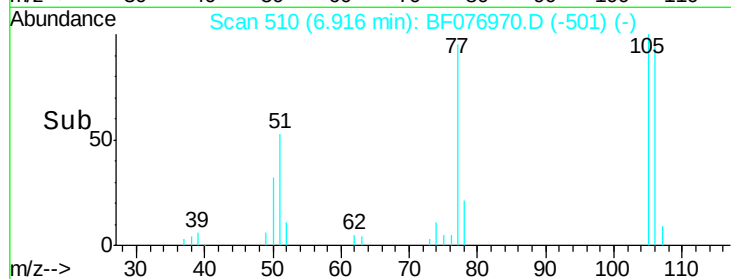
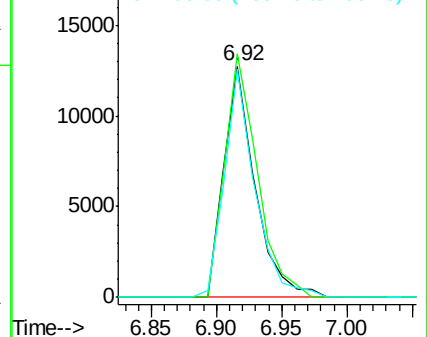
106 98.8 72.8 112.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 11.81 ng

RT: 7.35 min Scan# 548

Delta R.T. 0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

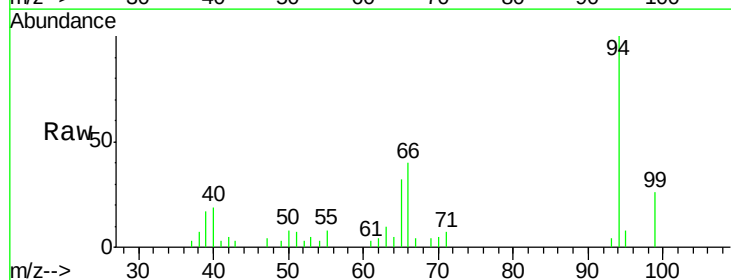
Tgt Ion: 94 Resp: 26775

Ion Ratio Lower Upper

94 100

65 31.7 11.3 51.3

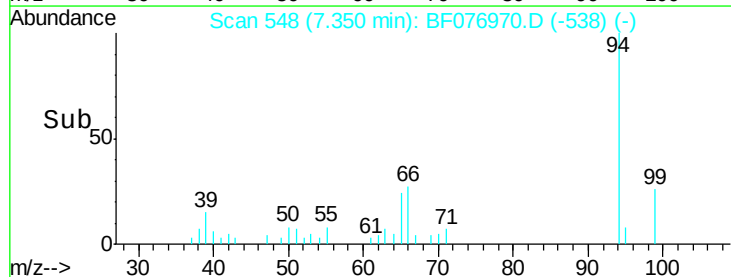
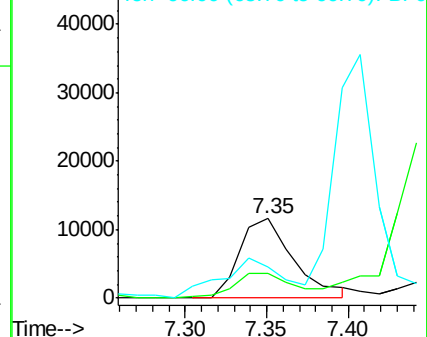
66 39.9 19.5 59.5



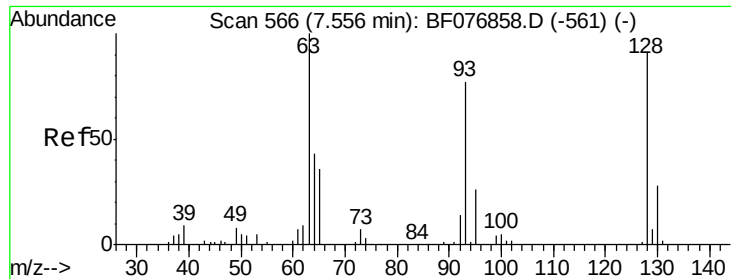
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



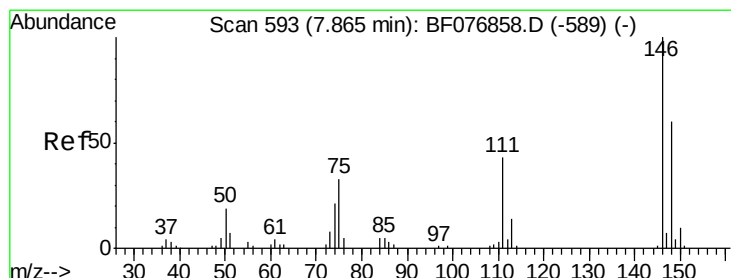
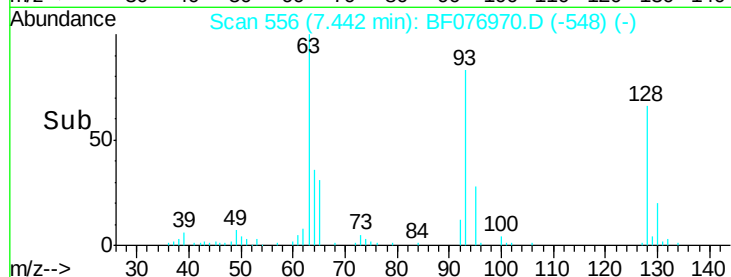
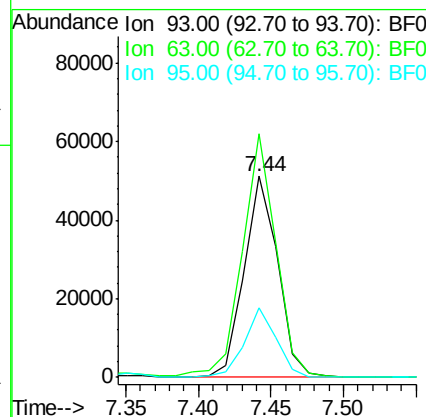
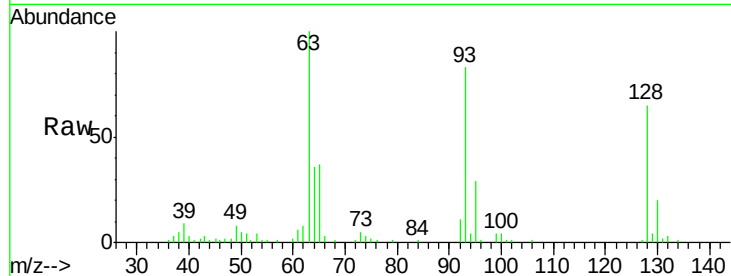




#11  
bis(2-Chloroethyl)ether  
Concen: 46.42 ng  
RT: 7.44 min Scan# 556  
Delta R.T. -0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

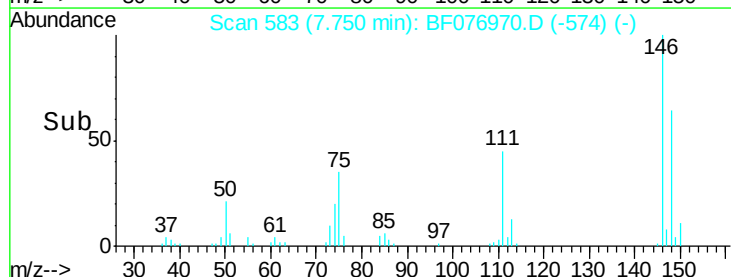
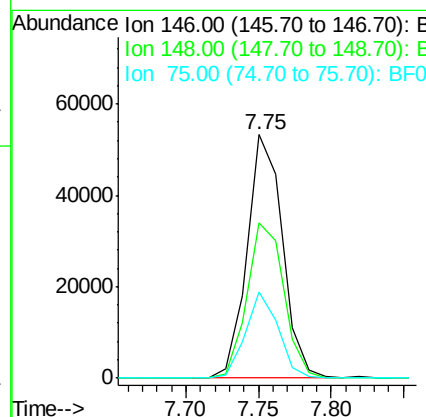
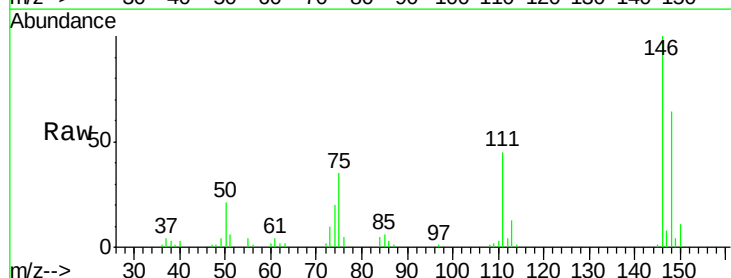
Instrument :  
BNA\_F  
ClientSampleId :

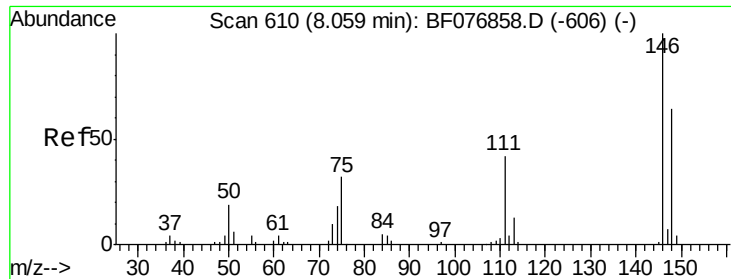
Tot Ion: 93 Resp: 82345  
Ion Ratio Lower Upper  
93 100  
63 121.0 111.3 151.3  
95 34.5 13.8 53.8



#12  
1,3-Dichlorobenzene  
Concen: 40.57 ng  
RT: 7.75 min Scan# 583  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion: 146 Resp: 90061  
Ion Ratio Lower Upper  
146 100  
148 63.5 48.1 72.1  
75 35.2 26.8 40.2

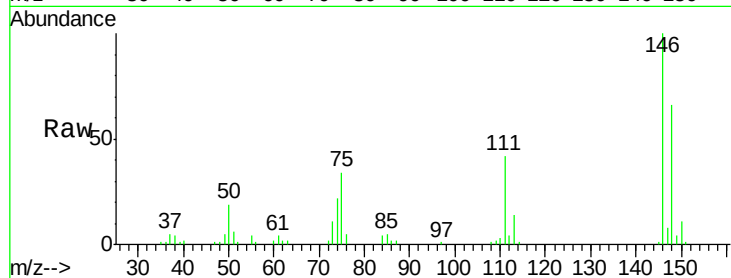




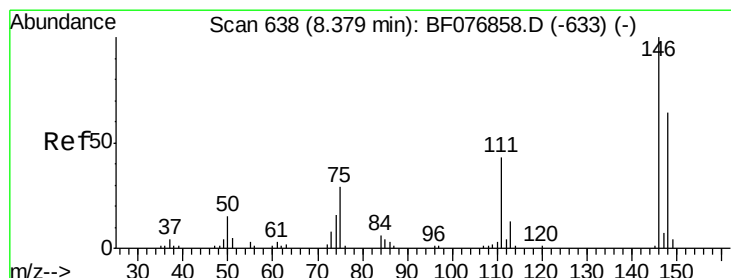
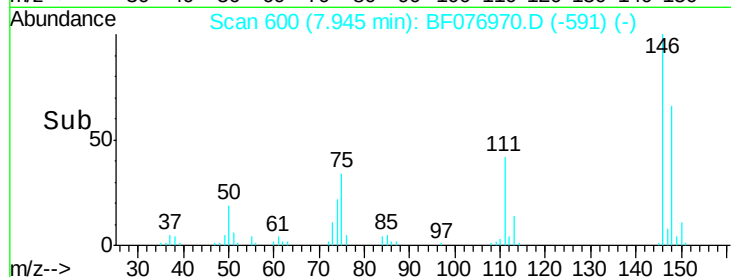
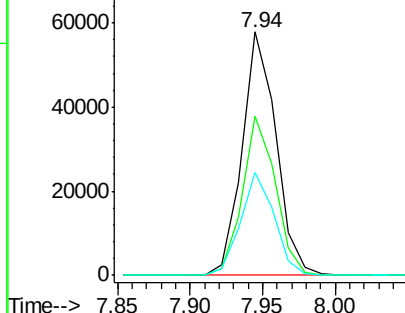
#13  
 1,4-Dichlorobenzene  
 Concen: 39.79 ng  
 RT: 7.94 min Scan# 600  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 93652  
 Ion Ratio Lower Upper  
 146 100  
 148 65.5 51.5 77.3  
 111 42.3 33.9 50.9

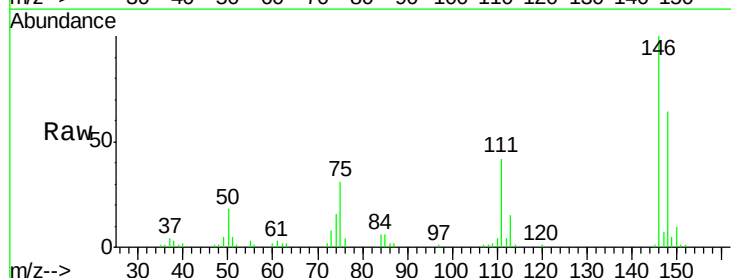


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

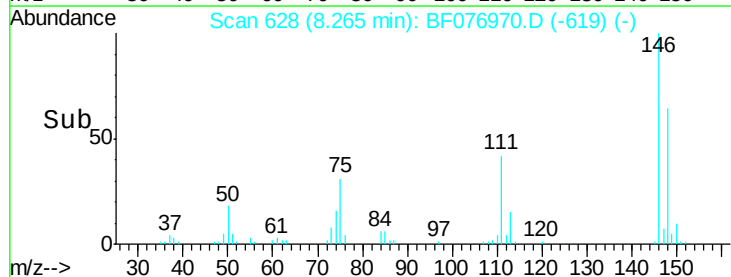
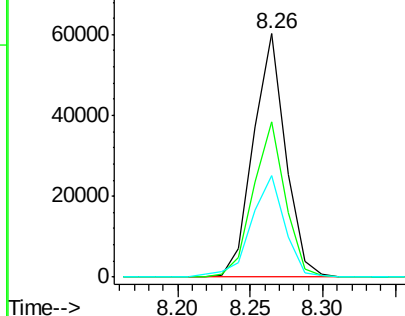


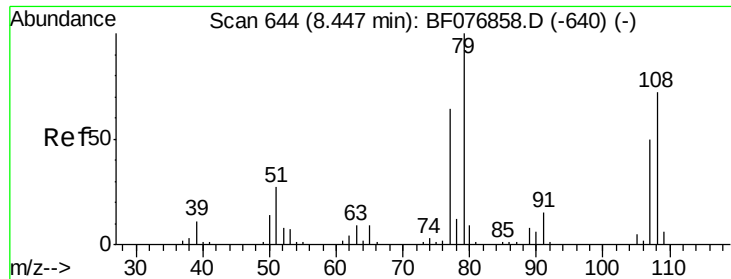
#14  
 1,2-Dichlorobenzene  
 Concen: 42.71 ng  
 RT: 8.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:146 Resp: 92625  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 51.3 76.9  
 111 41.6 34.5 51.7



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: 23.79 ng

RT: 8.34 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

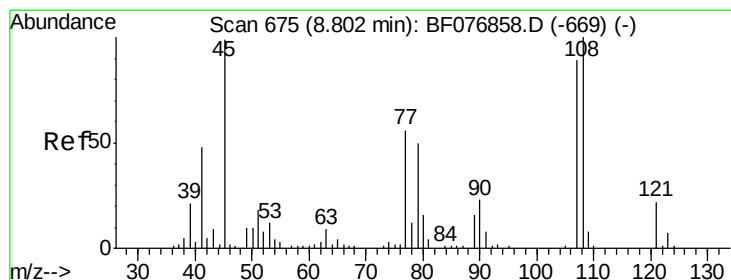
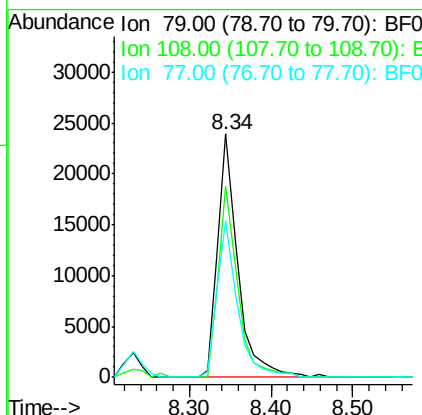
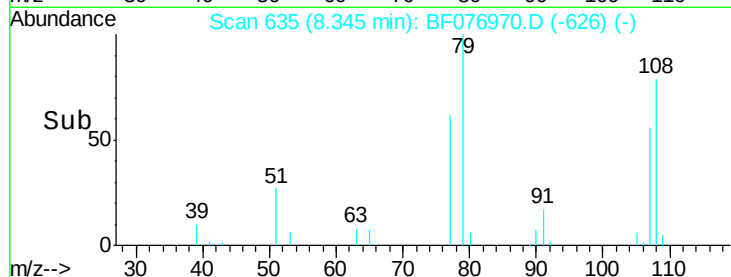
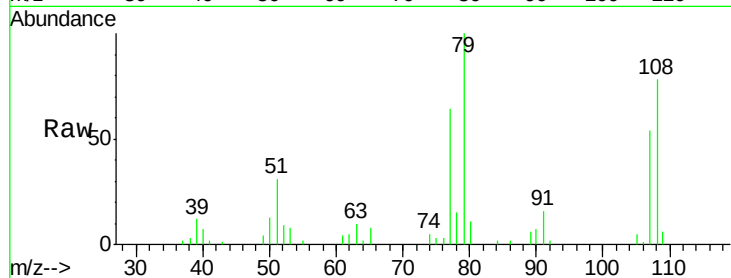
Tot Ion: 79 Resp: 41099

Ion Ratio Lower Upper

79 100

108 78.4 57.2 85.8

77 64.2 51.2 76.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.97 ng

RT: 8.70 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

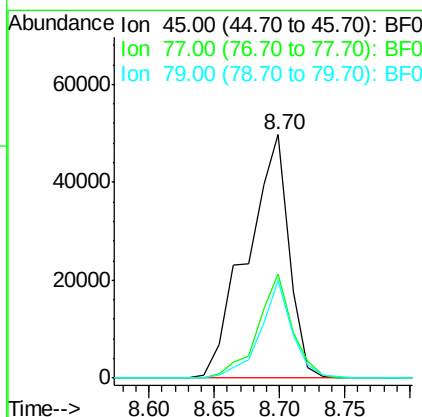
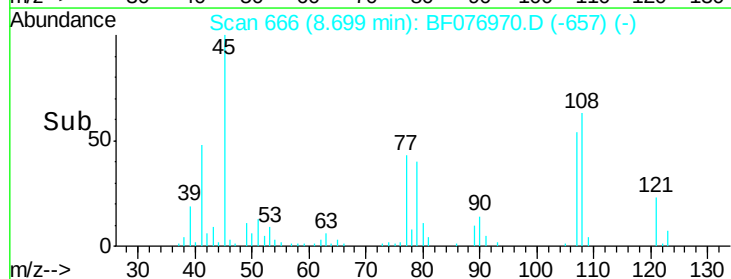
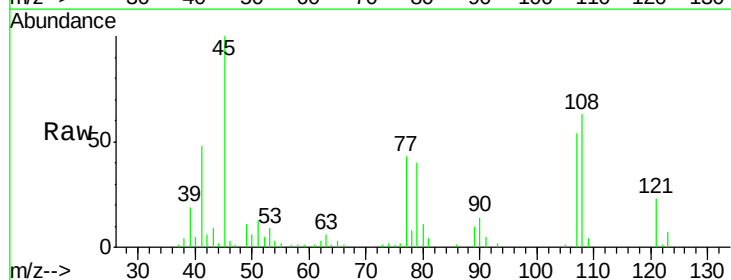
Tgt Ion: 45 Resp: 111986

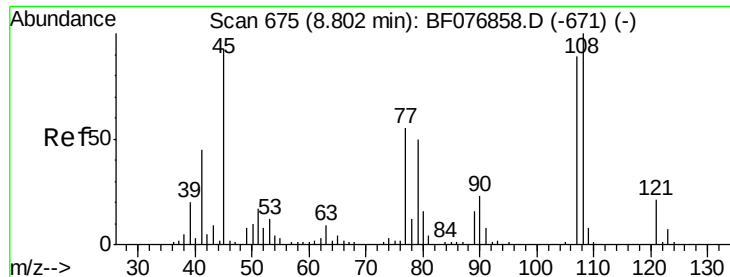
Ion Ratio Lower Upper

45 100

77 42.6 36.1 76.1

79 39.9 30.5 70.5





#17

2-Methylphenol

Concen: 27.70 ng

RT: 8.70 min Scan# 666

Delta R.T. 0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampled :

Tot Ion:107 Resp: 44168

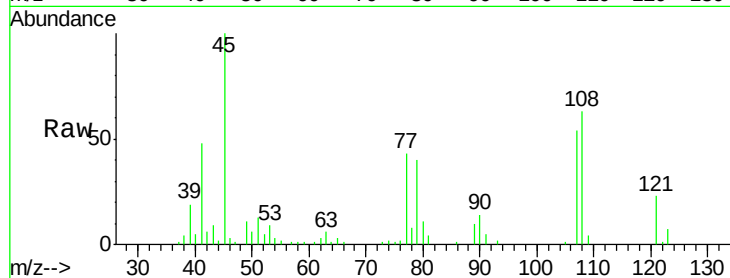
Ion Ratio Lower Upper

107 100

108 117.5 89.7 134.5

77 79.2 50.1 75.1#

79 74.2 45.0 67.6#

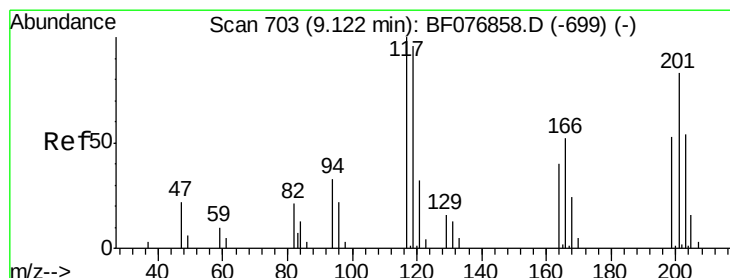
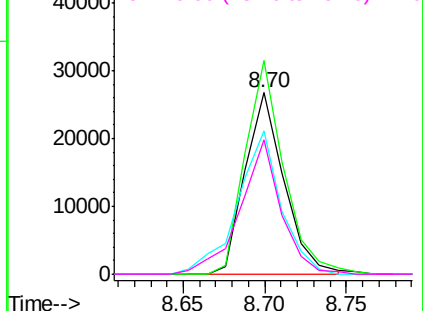
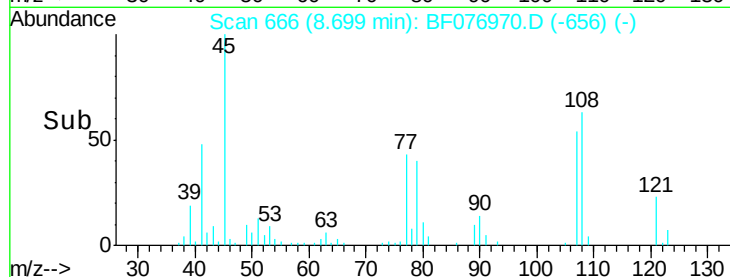


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.04 ng

RT: 9.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

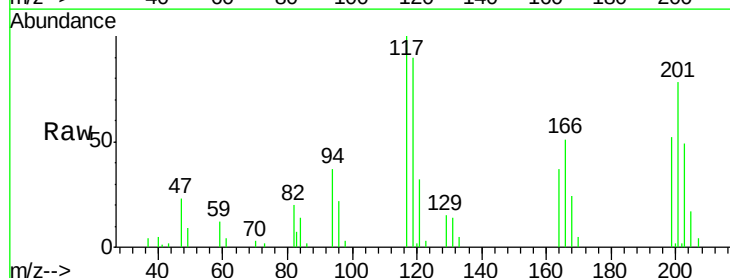
Tgt Ion:117 Resp: 34414

Ion Ratio Lower Upper

117 100

119 90.2 77.1 115.7

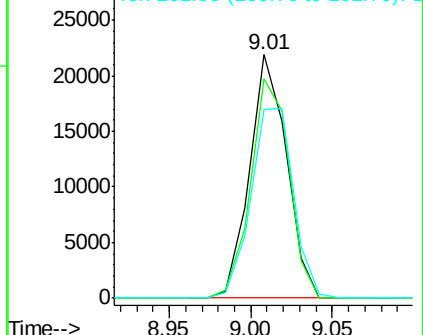
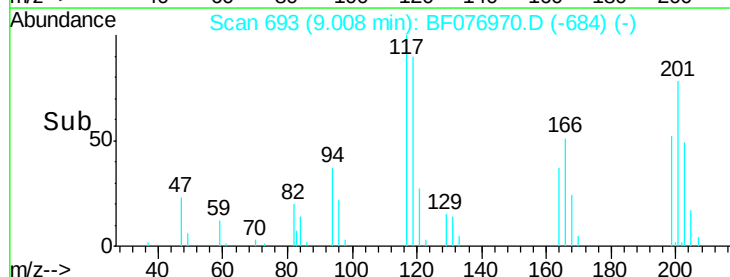
201 77.6 66.8 100.2

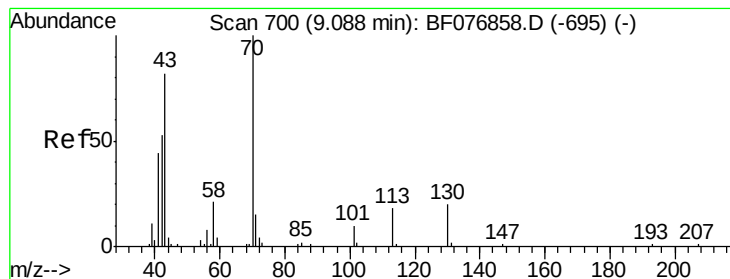


Abundance Ion 117.00 (116.70 to 117.70): E

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: 45.33 ng

RT: 8.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 67736

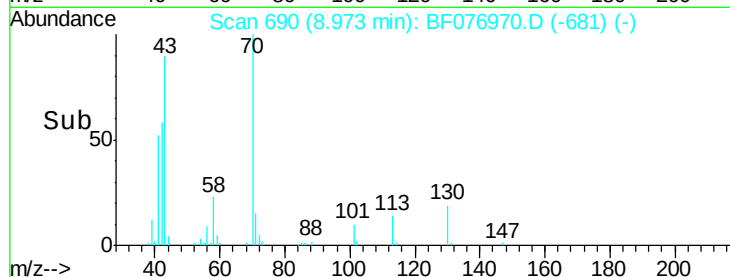
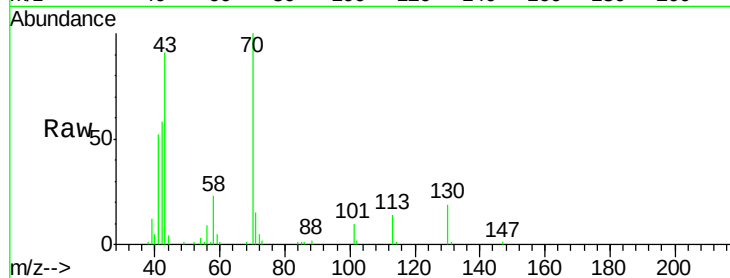
Ion Ratio Lower Upper

70 100

42 57.7 42.1 63.1

101 10.0 7.8 11.8

130 19.1 16.2 24.4



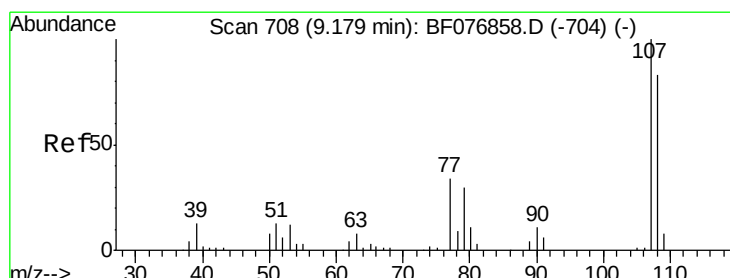
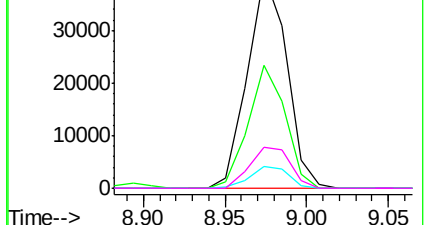
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 23.70 ng

RT: 9.08 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Tgt Ion: 107 Resp: 50041

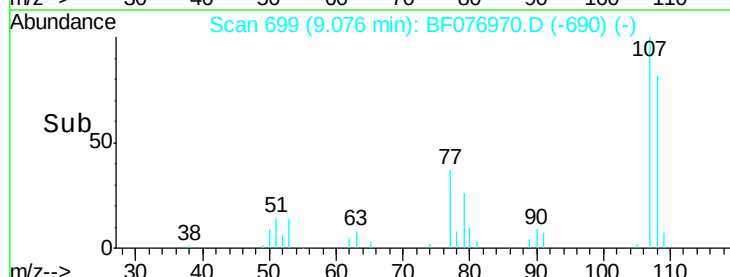
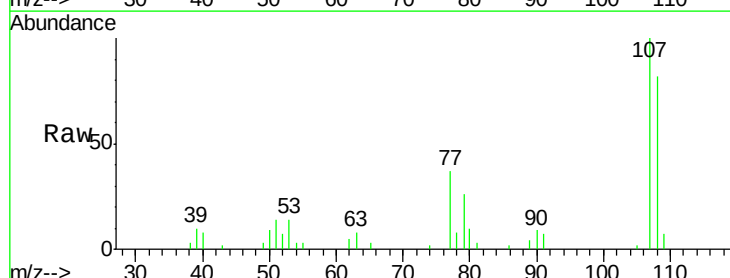
Ion Ratio Lower Upper

107 100

108 82.3 63.5 103.5

77 37.1 14.0 54.0

79 26.0 9.9 49.9



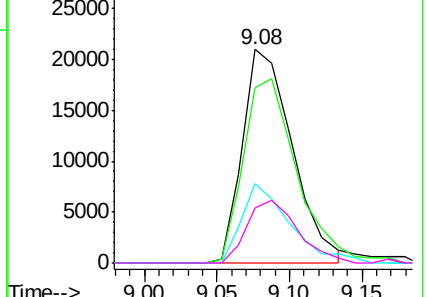
Abundance

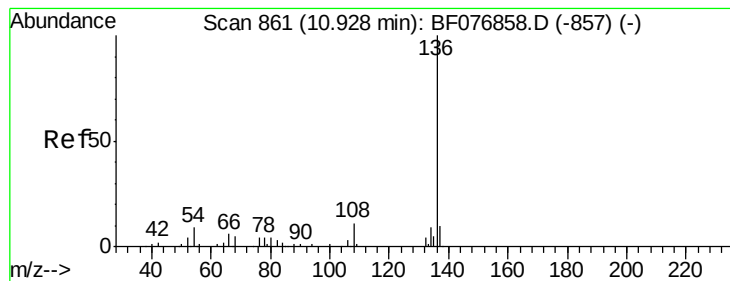
Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.83 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 121230

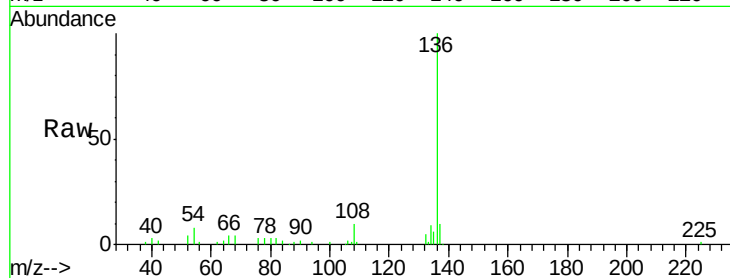
Ion Ratio Lower Upper

136 100

137 10.2 8.1 12.1

54 7.8 7.0 10.4

68 3.8 3.7 5.5

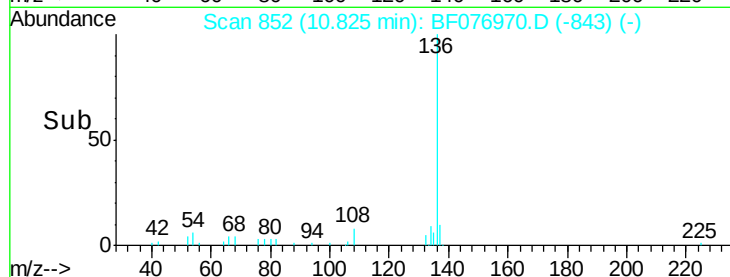


Abundance Ion 136.00 (135.70 to 136.70): E

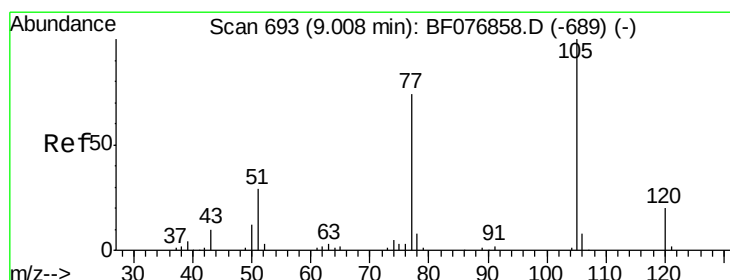
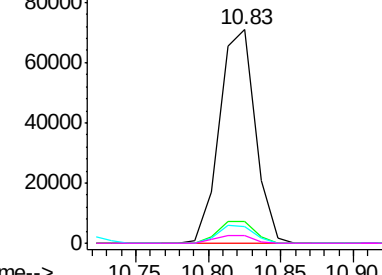
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 45.61 ng

RT: 8.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Tgt Ion:105 Resp: 135436

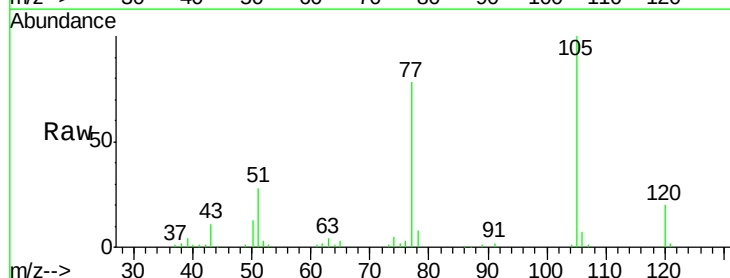
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 28.3 23.3 34.9

120 20.2 16.1 24.1

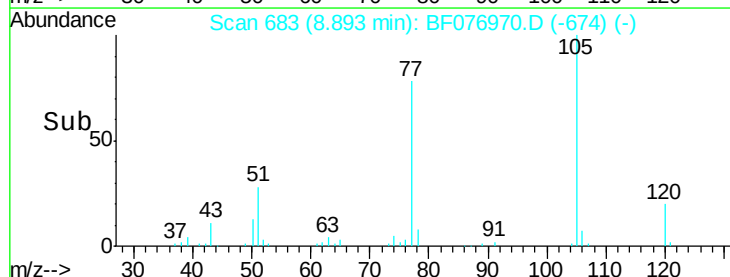


Abundance Ion 105.00 (104.70 to 105.70): E

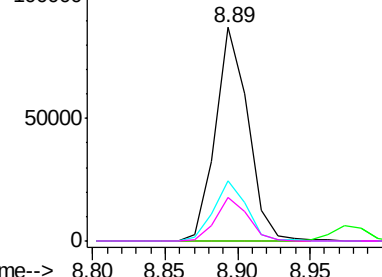
Ion 71.00 (70.70 to 71.70): BF0

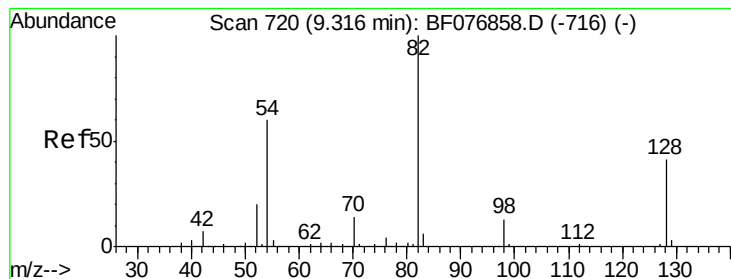
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 92.31 ng

RT: 9.21 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

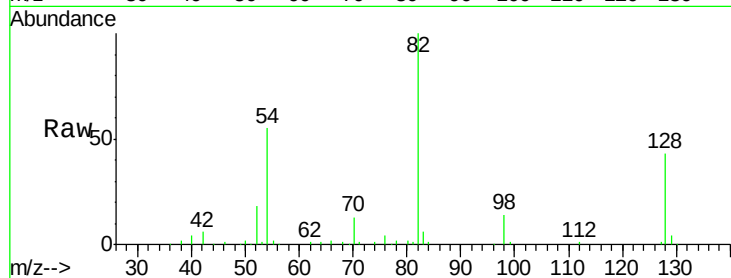
Tot Ion: 82 Resp: 201992

Ion Ratio Lower Upper

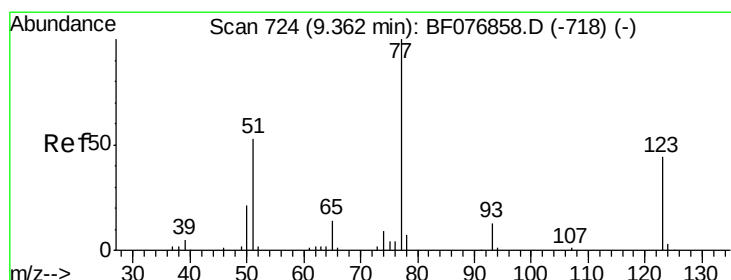
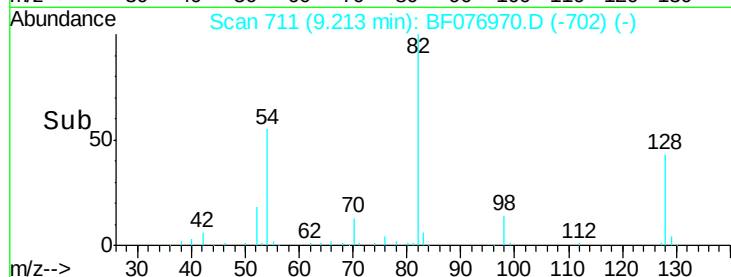
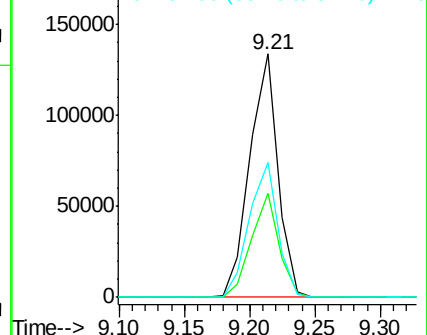
82 100

128 42.7 33.1 49.7

54 55.2 48.3 72.5



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: 44.97 ng

RT: 9.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

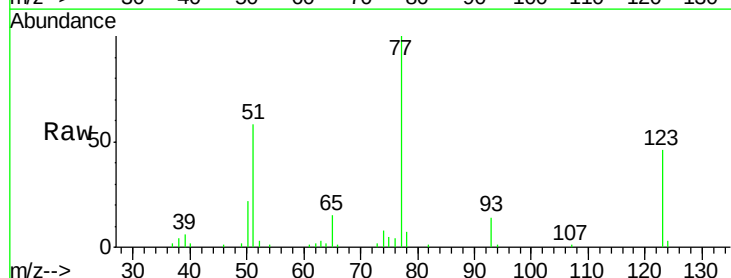
Tgt Ion: 77 Resp: 100239

Ion Ratio Lower Upper

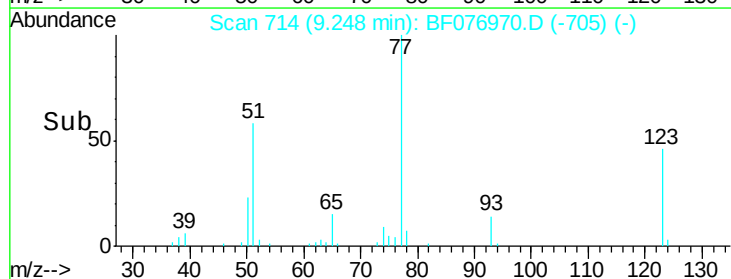
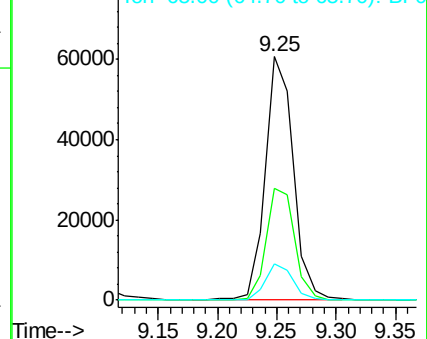
77 100

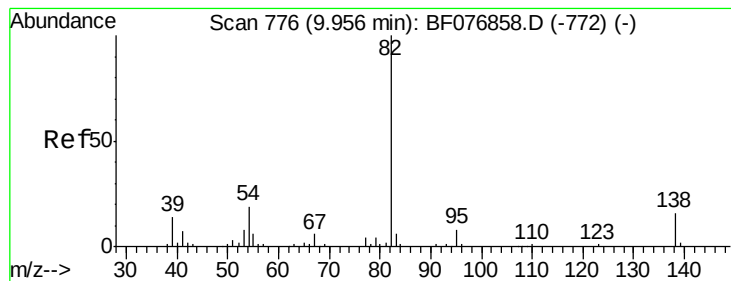
123 45.8 35.2 52.8

65 14.7 11.4 17.2



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: 45.41 ng

RT: 9.85 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

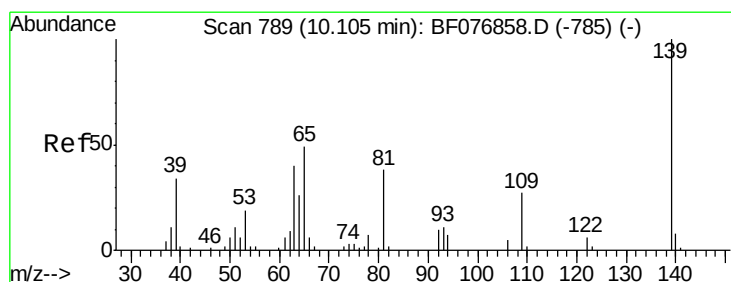
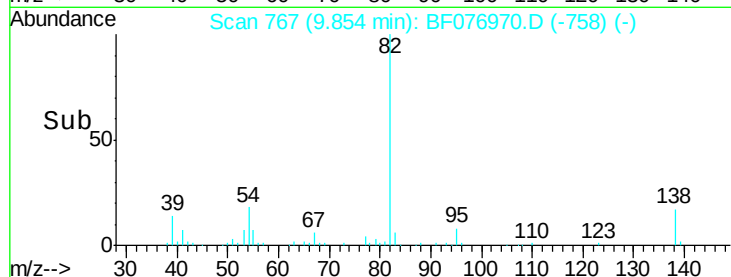
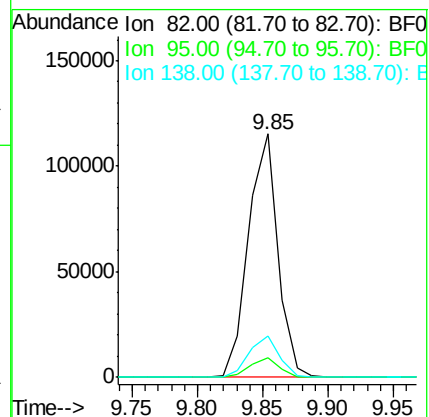
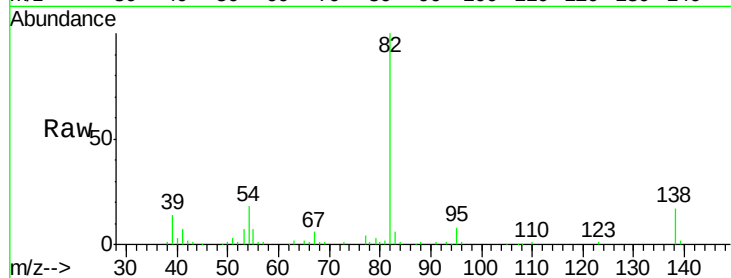
Tot Ion: 82 Resp: 180949

Ion Ratio Lower Upper

82 100

95 8.1 6.6 10.0

138 17.0 12.6 18.8



#26

2-Nitrophenol

Concen: 41.57 ng

RT: 9.99 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

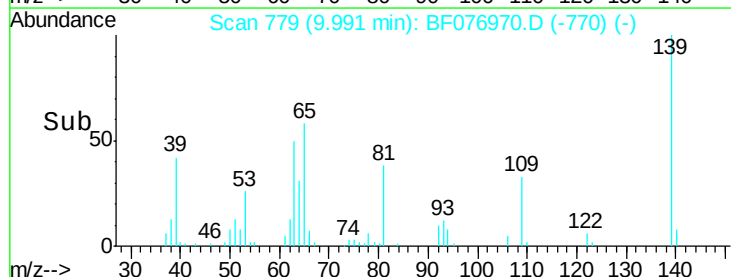
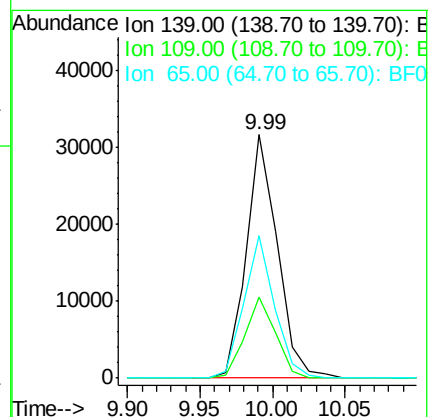
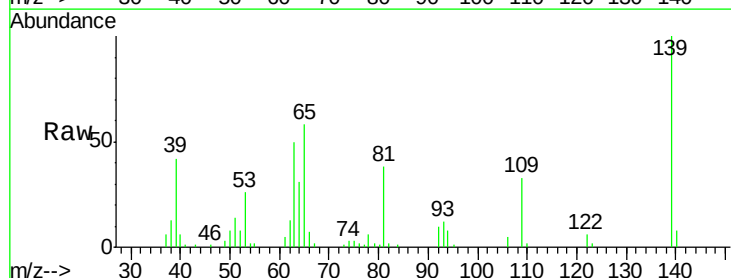
Tgt Ion: 139 Resp: 47175

Ion Ratio Lower Upper

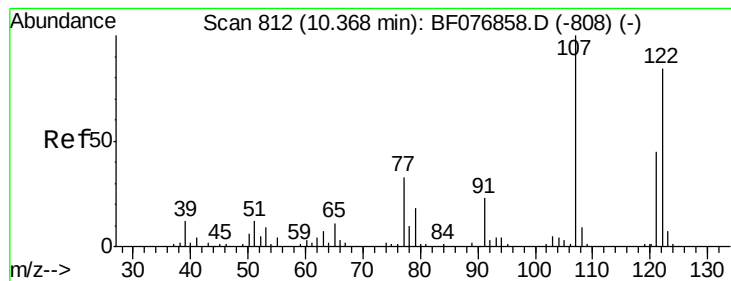
139 100

109 33.2 21.3 31.9#

65 58.4 39.4 59.0







#27

2,4-Dimethylphenol

Concen: 38.29 ng

RT: 10.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

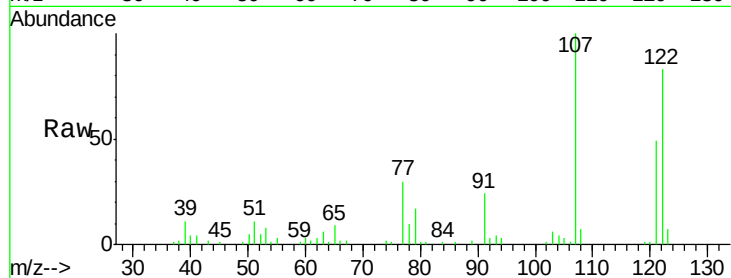
Tot Ion:122 Resp: 66007

Ion Ratio Lower Upper

122 100

107 120.0 95.2 142.8

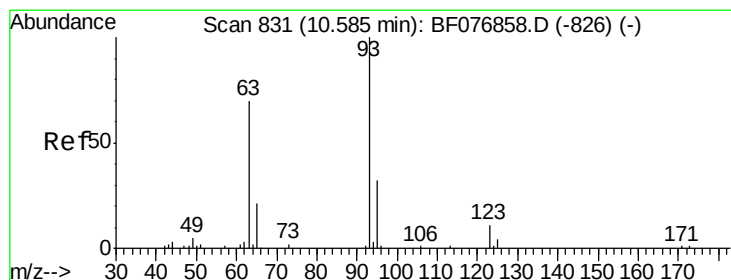
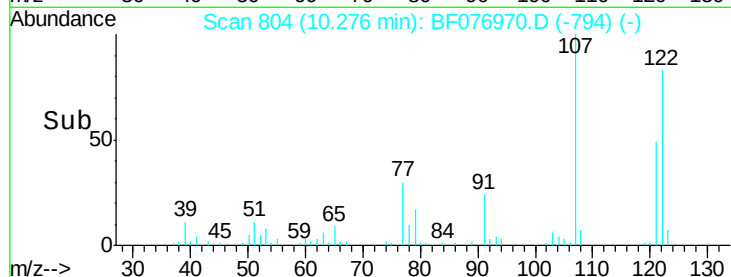
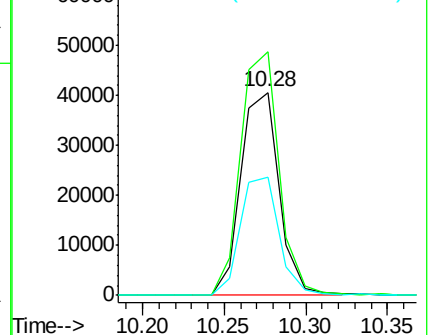
121 58.2 42.9 64.3



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: 47.84 ng

RT: 10.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

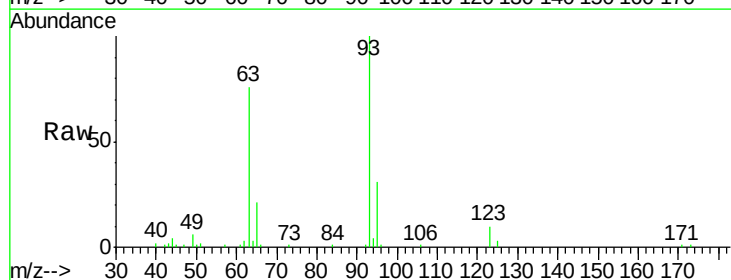
Tgt Ion: 93 Resp: 108365

Ion Ratio Lower Upper

93 100

95 30.6 25.6 38.4

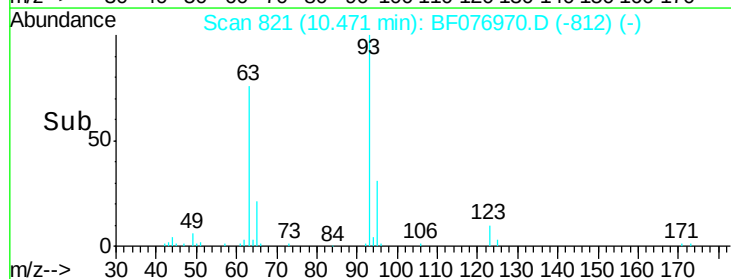
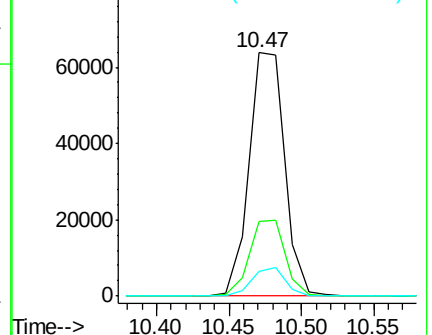
123 10.0 8.9 13.3

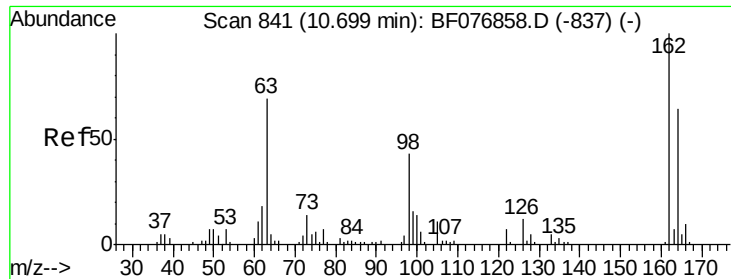


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

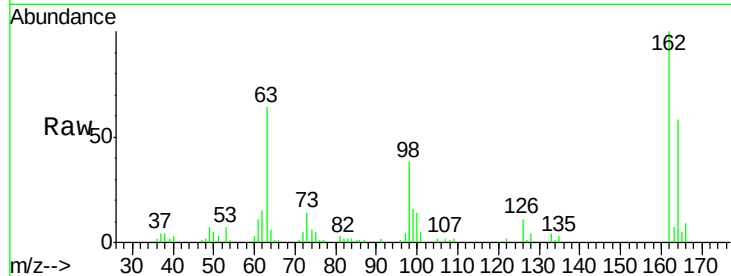




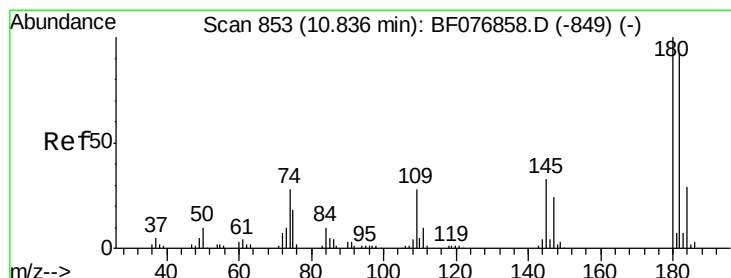
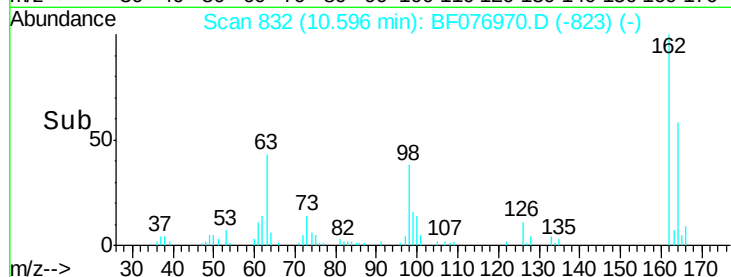
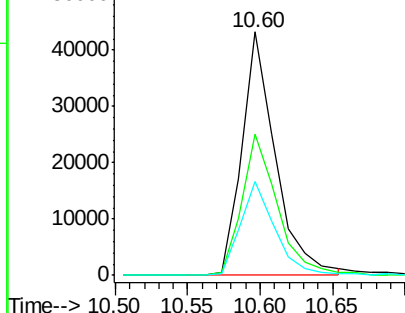
#29  
 2,4-Dichlorophenol  
 Concen: 43.18 ng  
 RT: 10.60 min Scan# 832  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 57.9  | 43.8  | 83.8  |
| 98      | 38.5  | 22.5  | 62.5  |

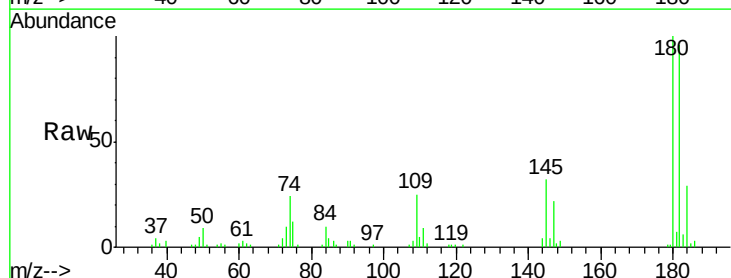


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

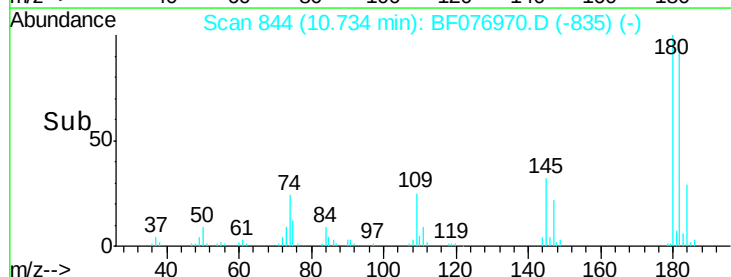
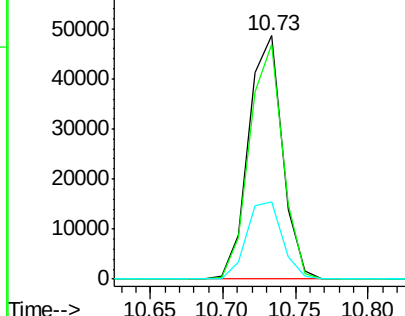


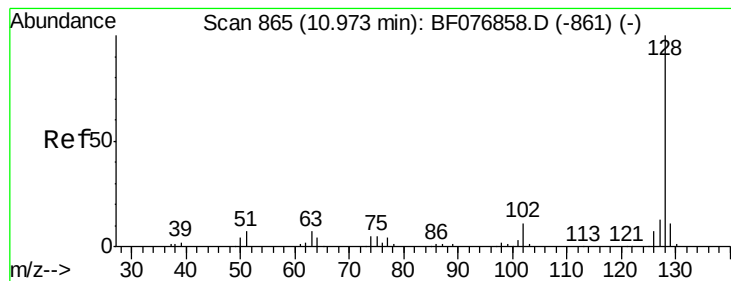
#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.21 ng  
 RT: 10.73 min Scan# 844  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 73.6  | 110.4 |
| 145     | 31.7  | 26.6  | 39.8  |



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: 43.99 ng

RT: 10.87 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

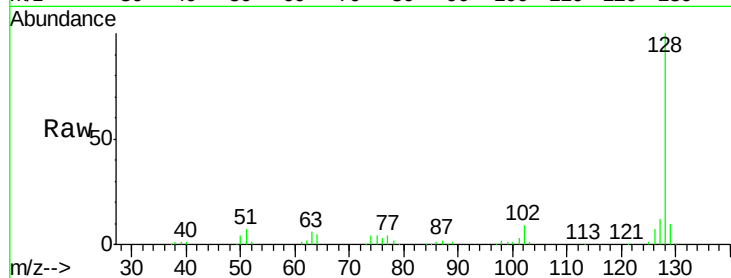
Tot Ion:128 Resp: 274570

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.6

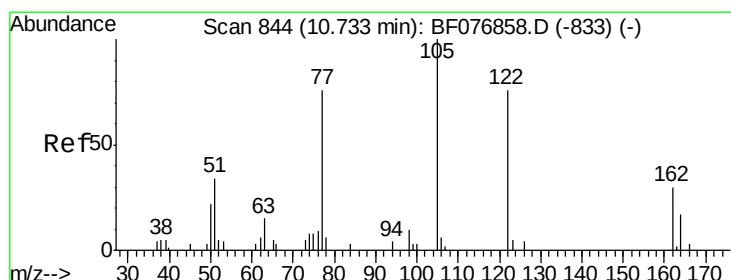
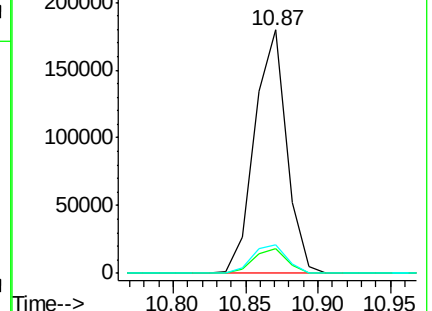
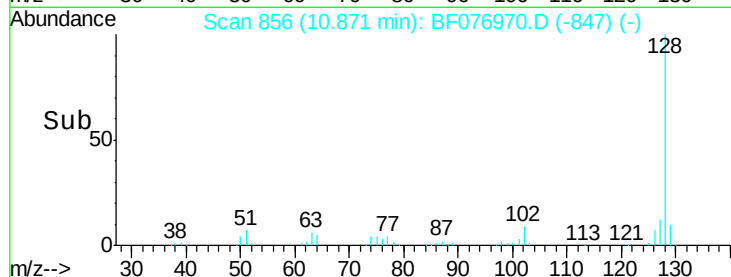
127 11.7 10.2 15.2



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: 13.65 ng

RT: 10.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

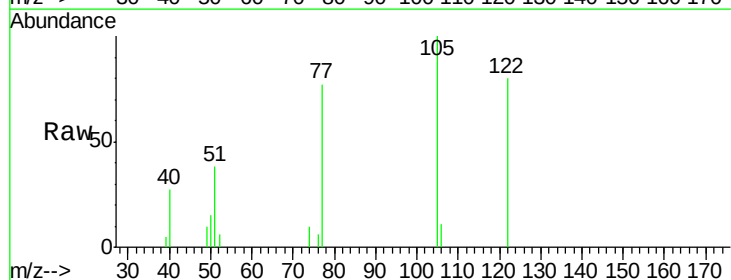
Tgt Ion:122 Resp: 13038

Ion Ratio Lower Upper

122 100

105 125.1 111.3 151.3

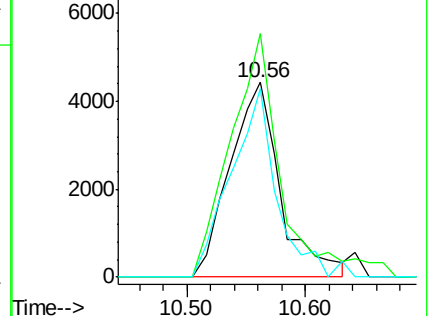
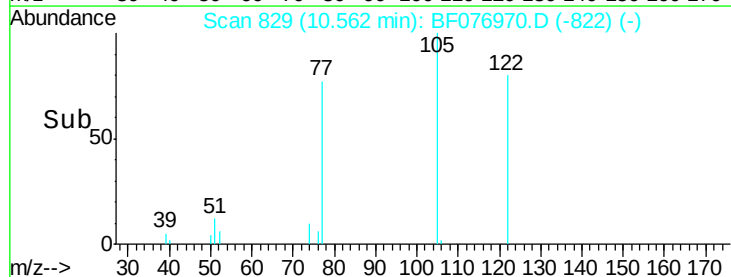
77 96.8 79.2 119.2

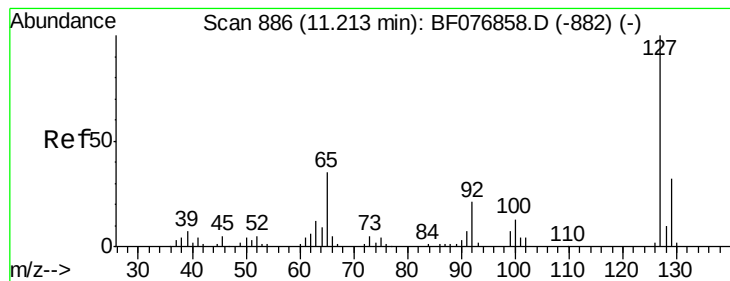


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

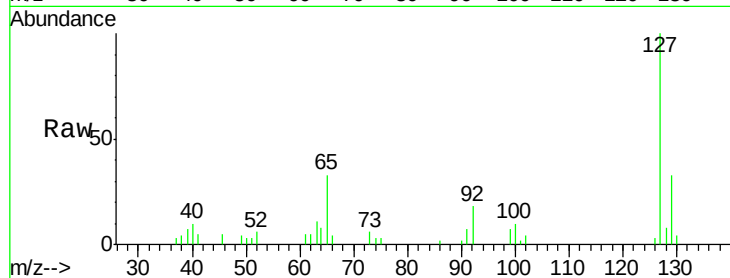




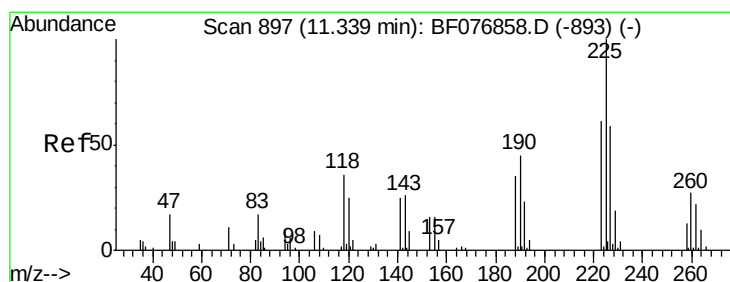
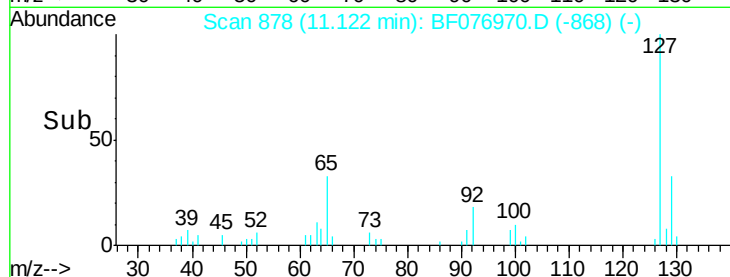
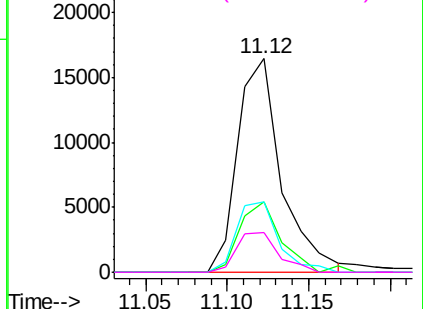
#33  
4-Chloroaniline  
Concen: 12.14 ng  
RT: 11.12 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 30622       |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 33.2  | 25.3 37.9   |
| 65          | 32.8  | 27.8 41.6   |
| 92          | 18.5  | 16.5 24.7   |

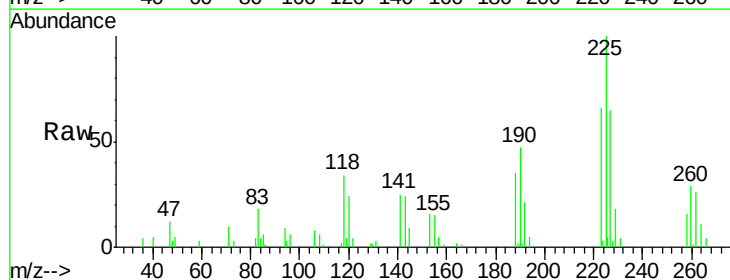


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

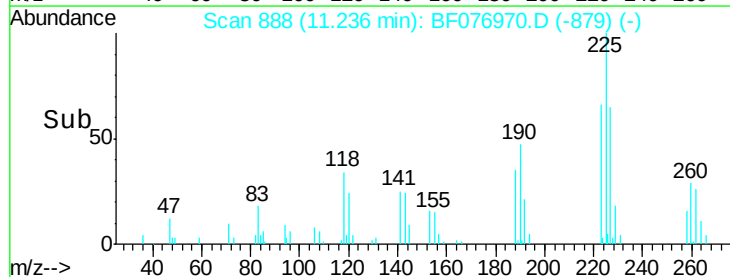
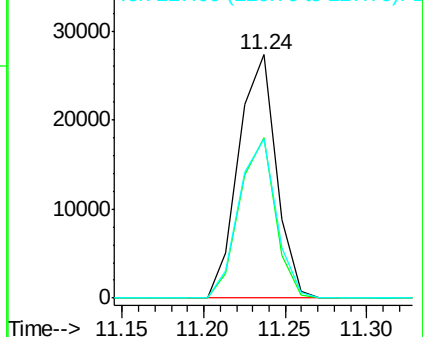


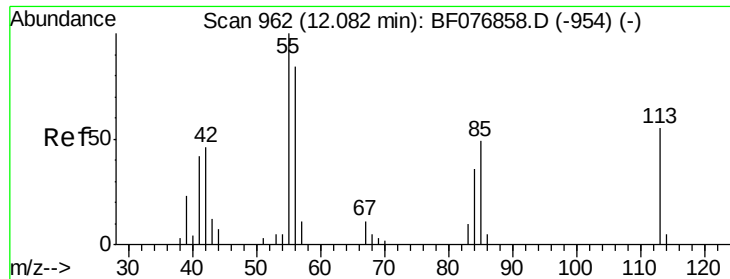
#34  
Hexachlorobutadiene  
Concen: 41.32 ng  
RT: 11.24 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 43752       |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 65.9  | 49.1 73.7   |
| 227         | 65.2  | 47.5 71.3   |



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

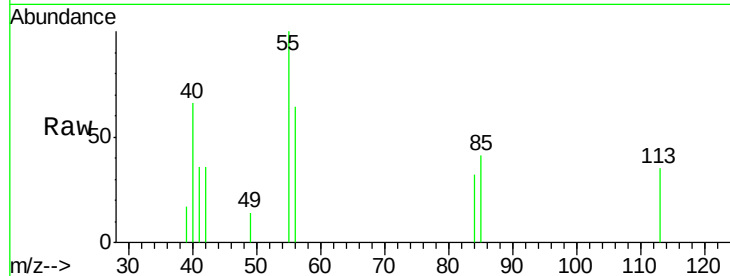




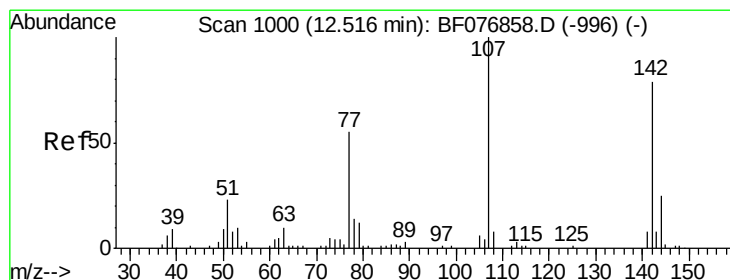
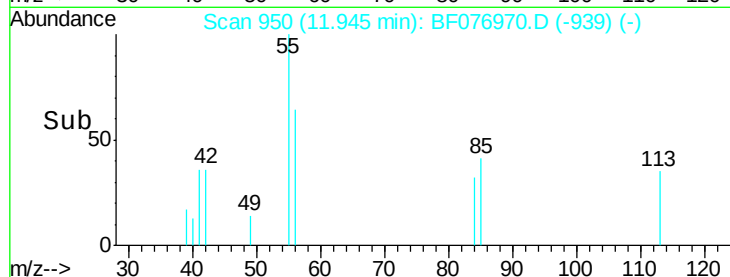
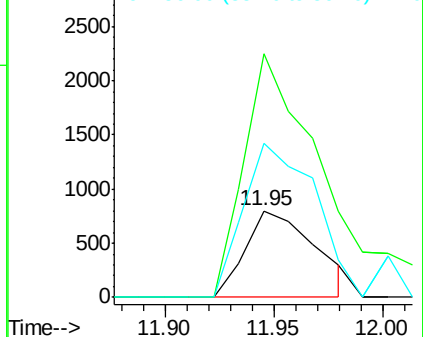
#35  
Caprolactam  
Concen: 3.77 ng  
RT: 11.95 min Scan# 950  
Delta R.T. 0.02 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 1785  
Ion Ratio Lower Upper  
113 100  
55 282.2 162.1 202.1#  
56 179.3 133.7 173.7#

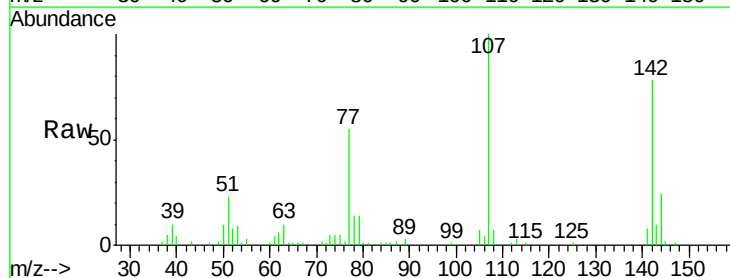


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

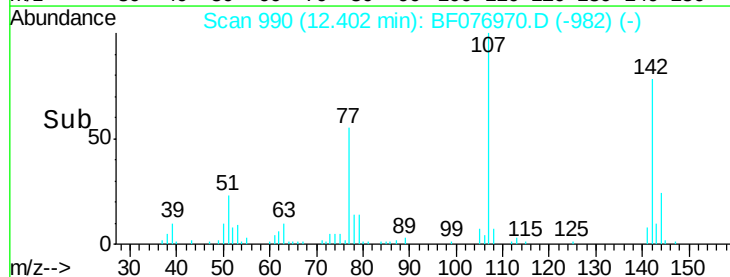
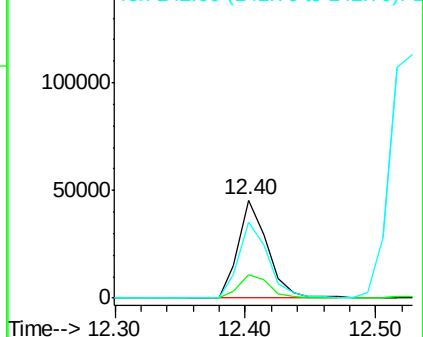


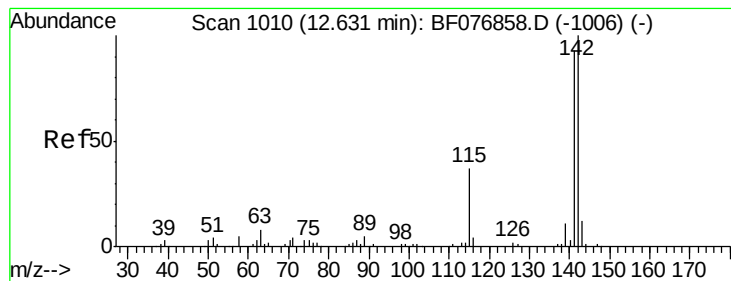
#36  
4-Chloro-3-methylphenol  
Concen: 38.91 ng  
RT: 12.40 min Scan# 990  
Delta R.T. -0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:107 Resp: 71582  
Ion Ratio Lower Upper  
107 100  
144 24.2 20.0 30.0  
142 77.6 63.5 95.3



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

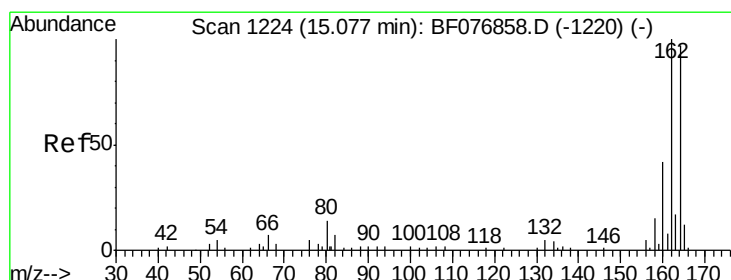
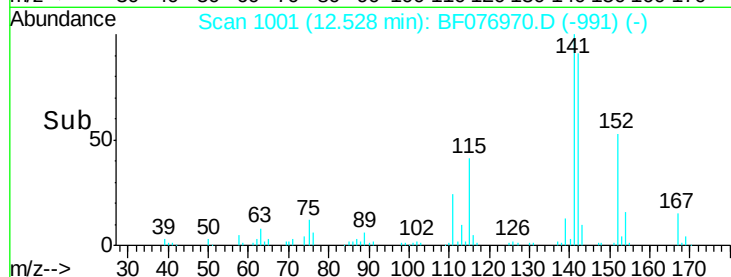
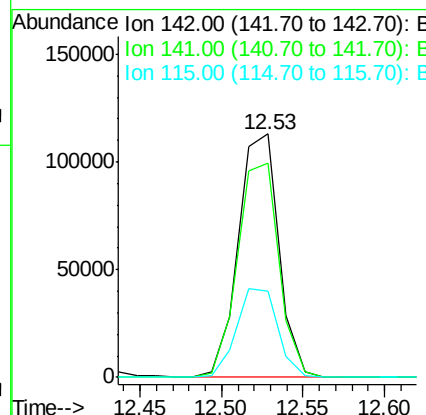
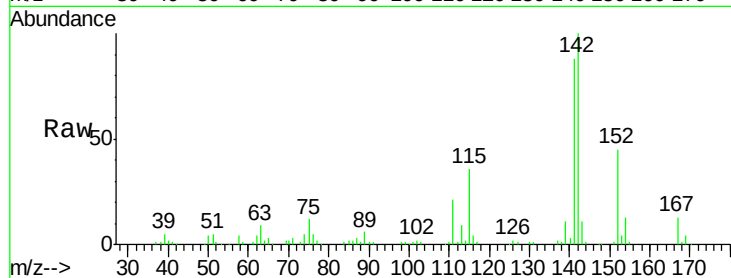




#37  
2-Methylnaphthalene  
Concen: 45.51 ng  
RT: 12.53 min Scan# 1001  
Delta R.T. 0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

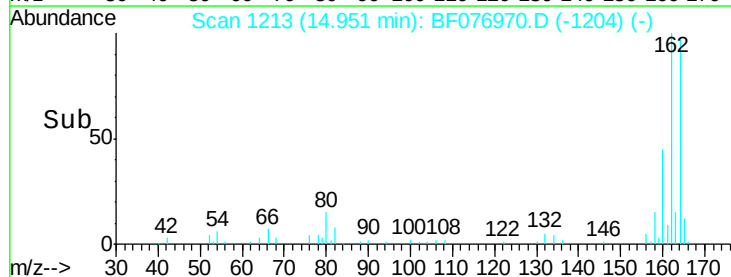
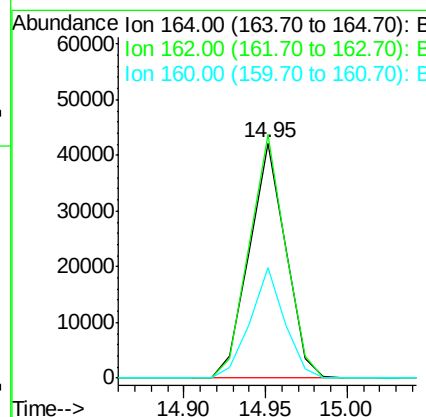
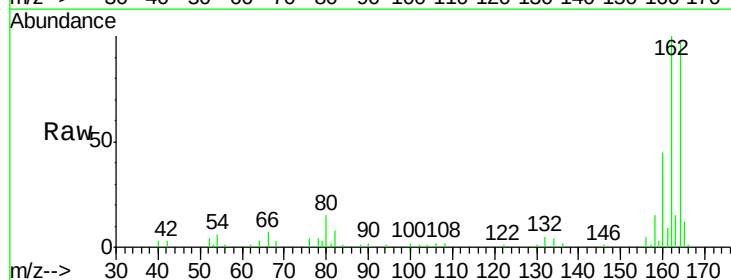
Instrument :  
BNA\_F  
ClientSampled :

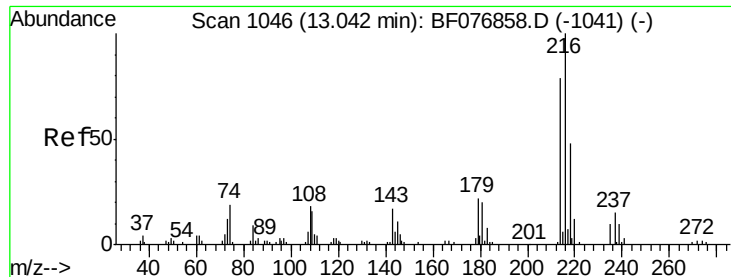
Tot Ion:142 Resp: 193975  
Ion Ratio Lower Upper  
142 100  
141 88.2 74.5 111.7  
115 35.6 29.7 44.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.95 min Scan# 1213  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:164 Resp: 65675  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.4 123.6  
160 46.8 34.8 52.2

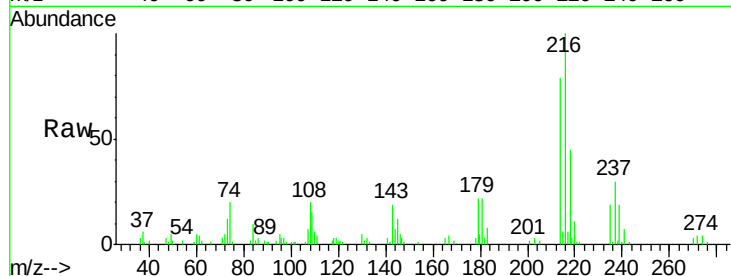




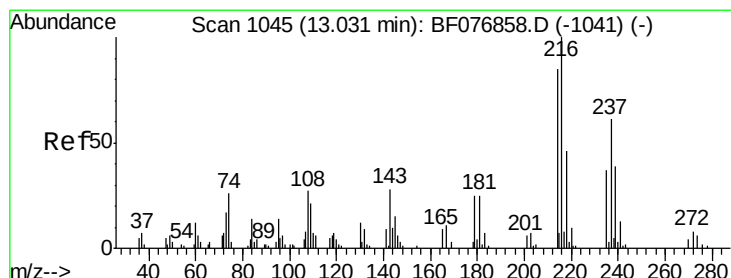
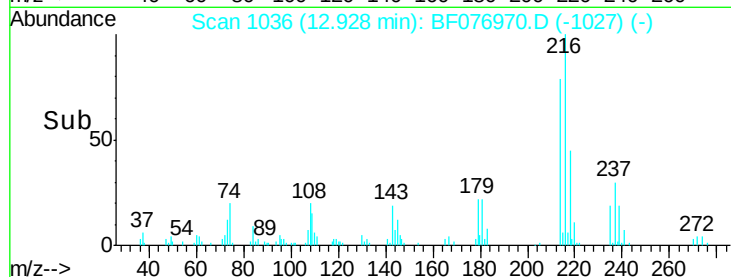
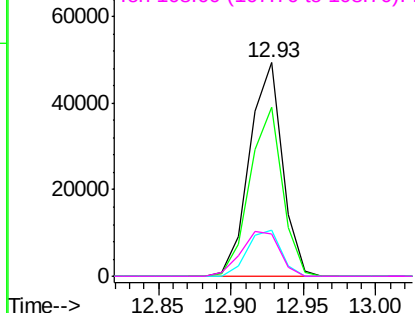
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 47.82 ng  
 RT: 12.93 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 77651     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 78.3  | 64.9 97.3 |
| 179         | 22.4  | 18.6 28.0 |
| 108         | 24.6  | 18.1 27.1 |

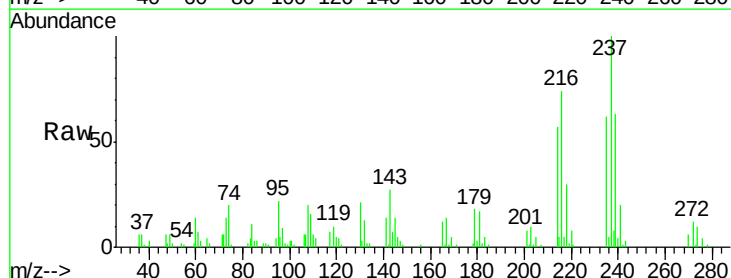


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

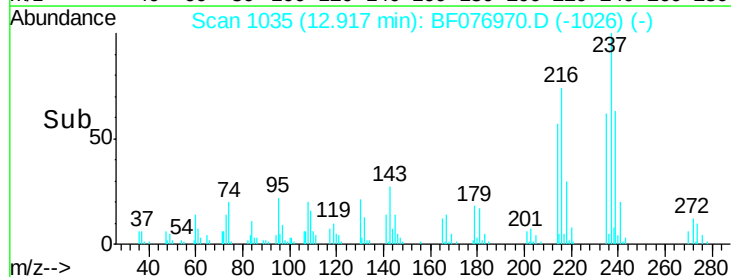
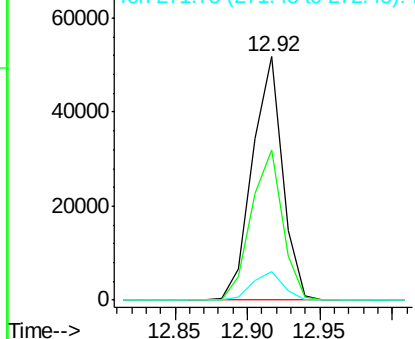


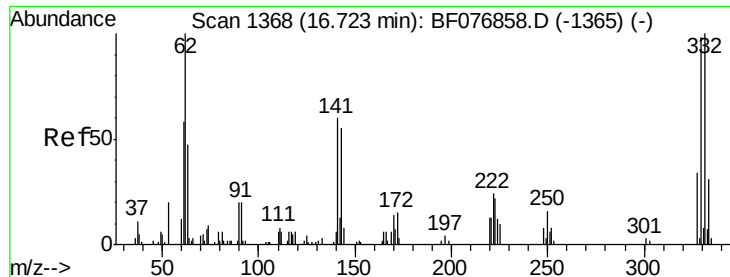
#40  
 Hexachlorocyclopentadiene  
 Concen: 85.32 ng  
 RT: 12.92 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 74857     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 61.6  | 40.4 80.4 |
| 272         | 12.0  | 0.0 33.2  |



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

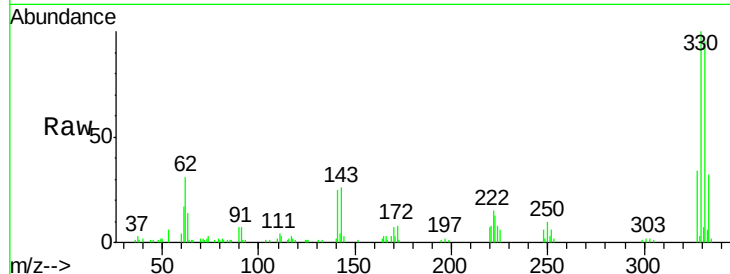




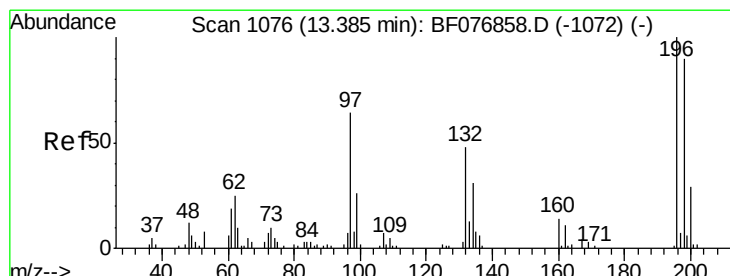
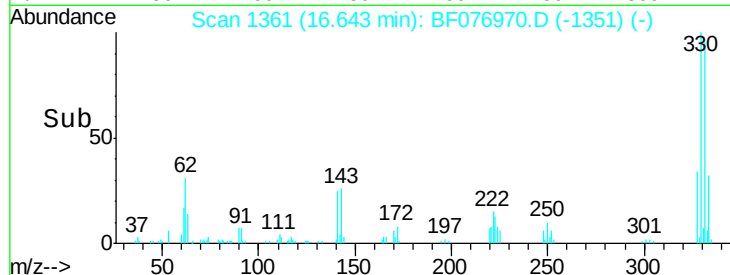
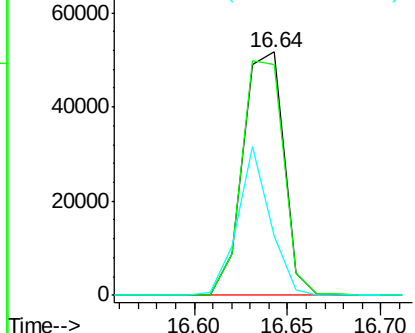
#41  
 2,4,6-Tribromophenol  
 Concen: 147.54 ng  
 RT: 16.64 min Scan# 1361  
 Delta R.T. 0.01 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 78656  
 Ion Ratio Lower Upper  
 330 100  
 332 98.7 77.8 116.6  
 141 49.2 38.5 57.7

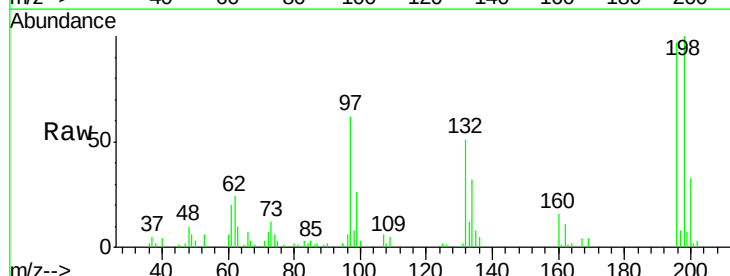


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

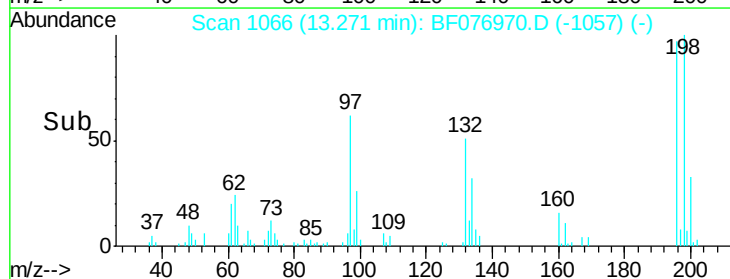
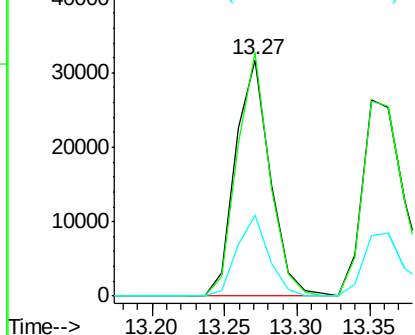


#42  
 2,4,6-Trichlorophenol  
 Concen: 44.40 ng  
 RT: 13.27 min Scan# 1066  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

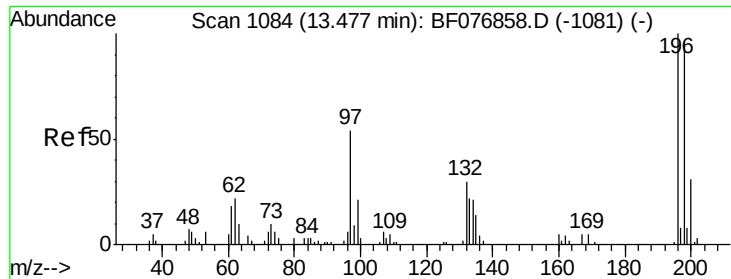
Tgt Ion:196 Resp: 52531  
 Ion Ratio Lower Upper  
 196 100  
 198 103.2 72.0 108.0  
 200 34.2 23.4 35.2



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



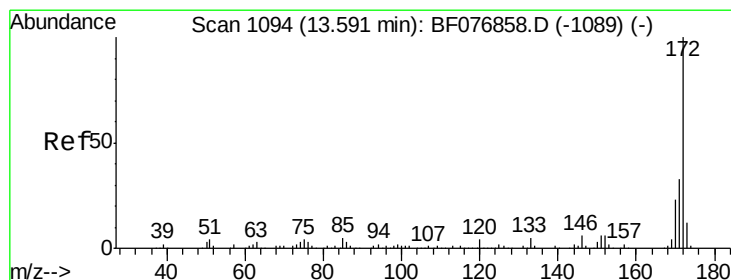
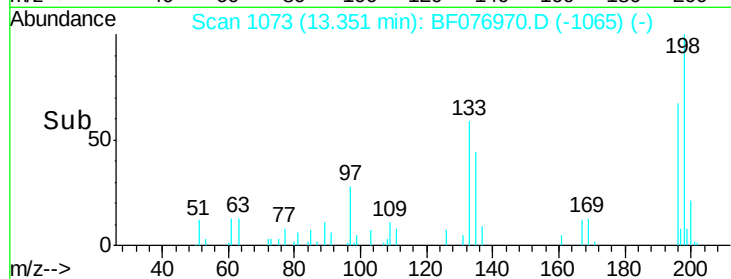
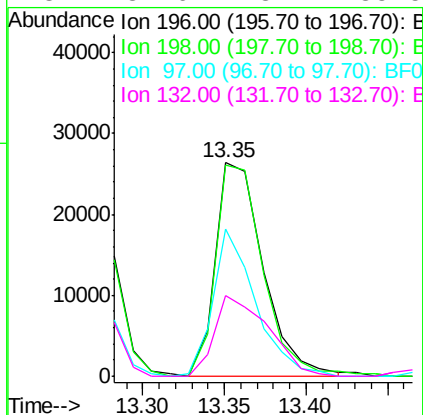
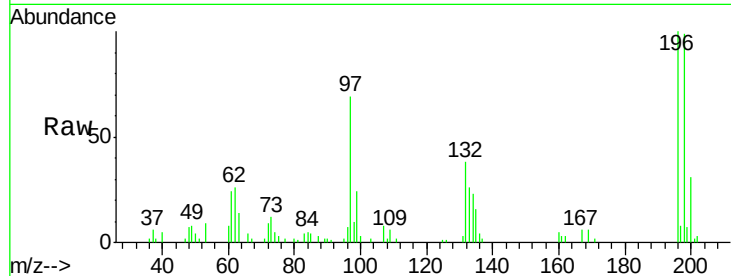




#43  
 2,4,5-Trichlorophenol  
 Concen: 44.45 ng  
 RT: 13.35 min Scan# 1073  
 Delta R.T. -0.01 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

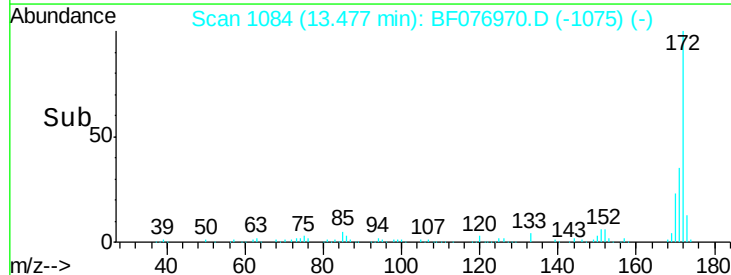
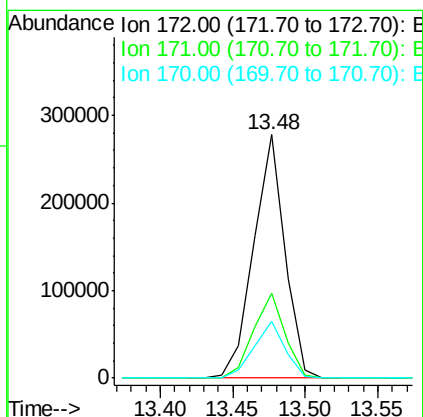
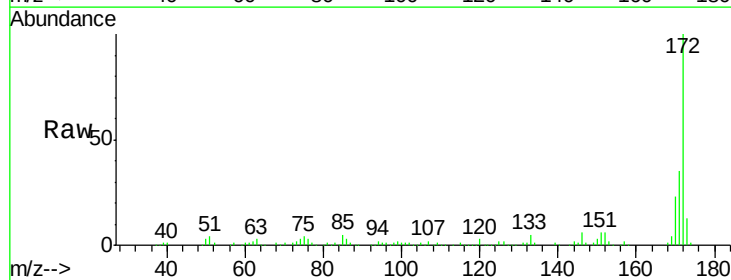
Instrument :  
 BNA\_F  
 ClientSampleId :

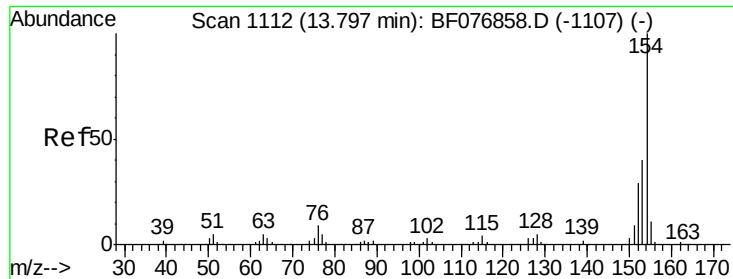
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.2  | 76.6  | 115.0 |
| 97      | 69.0  | 43.4  | 65.0  |
| 132     | 37.6  | 23.7  | 35.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 95.82 ng  
 RT: 13.48 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 26.6  | 40.0  |
| 170     | 23.4  | 18.0  | 27.0  |

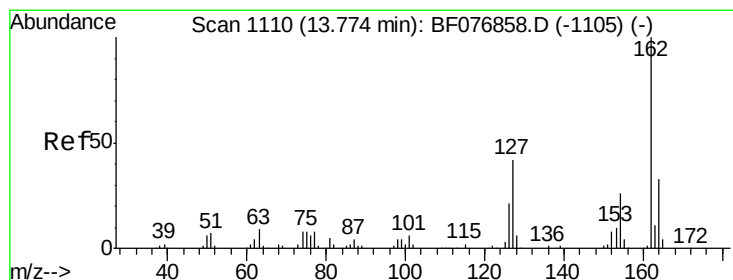
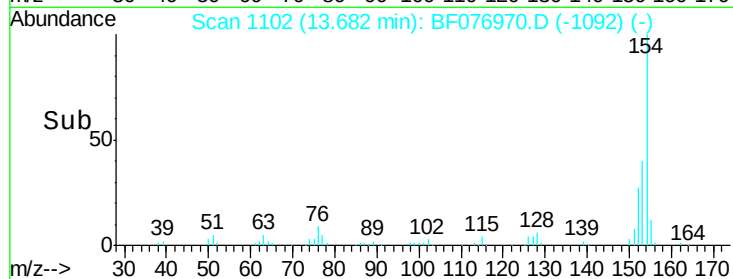
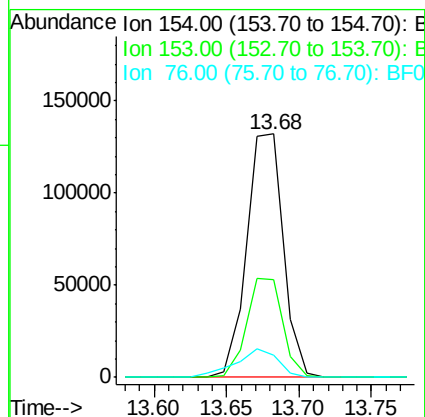
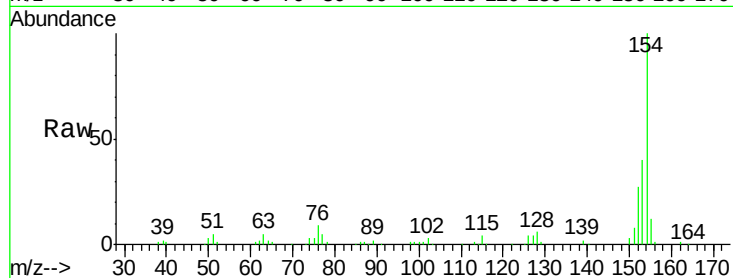




#45  
 1,1'-Biphenyl  
 Concen: 47.55 ng  
 RT: 13.68 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

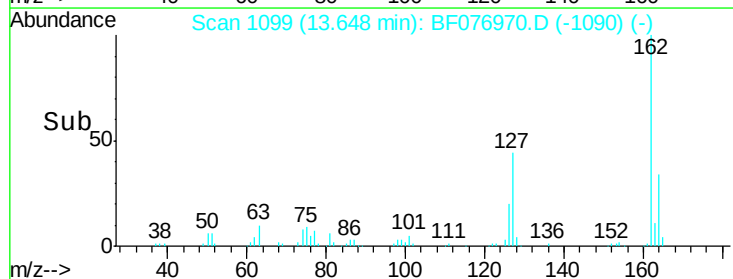
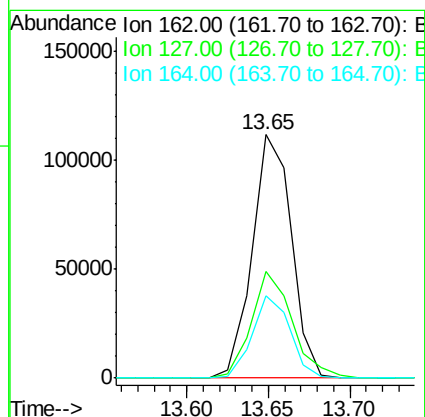
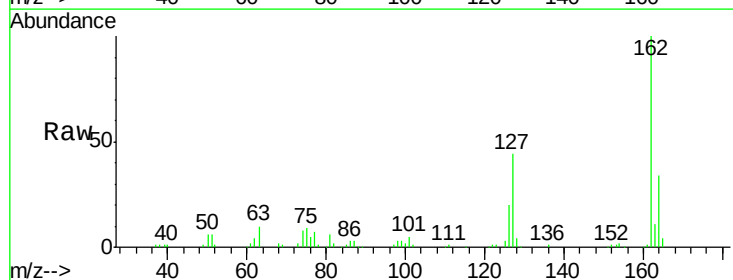
Instrument :  
 BNA\_F  
 ClientSampleId :

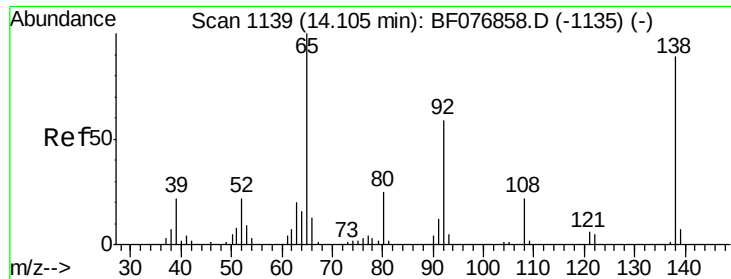
Tot Ion:154 Resp: 231501  
 Ion Ratio Lower Upper  
 154 100  
 153 40.3 20.2 60.2  
 76 9.1 0.0 29.0



#46  
 2-Chloronaphthalene  
 Concen: 46.58 ng  
 RT: 13.65 min Scan# 1099  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:162 Resp: 186614  
 Ion Ratio Lower Upper  
 162 100  
 127 43.7 33.8 50.6  
 164 33.8 26.8 40.2





#47

2-Nitroaniline

Concen: 49.44 ng

RT: 13.99 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

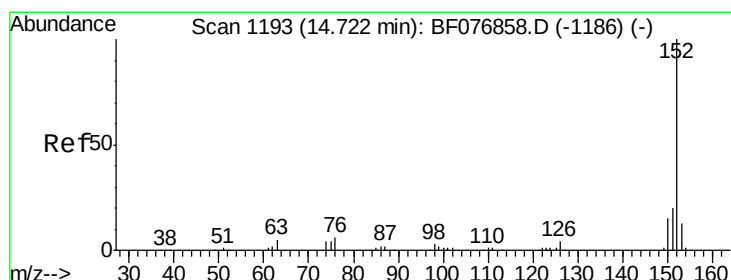
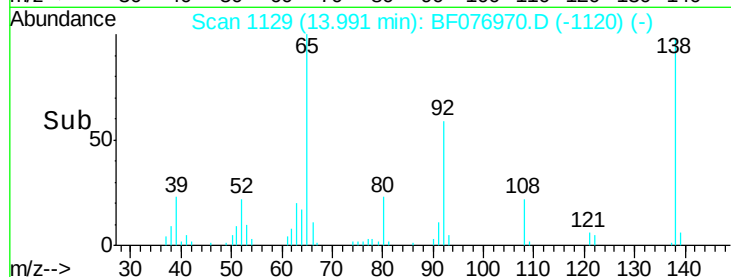
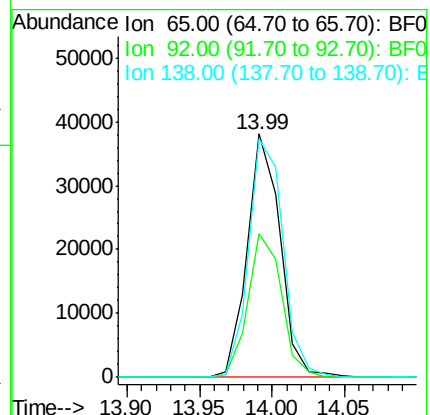
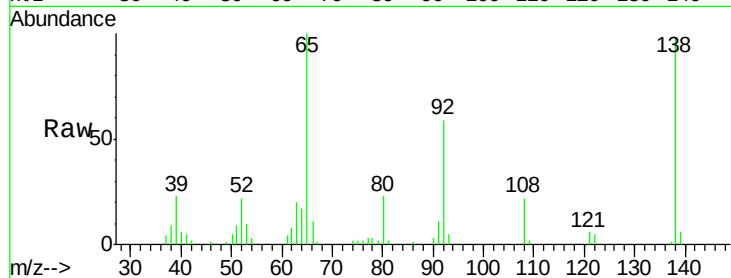
Tot Ion: 65 Resp: 60088

Ion Ratio Lower Upper

65 100

92 59.3 47.3 70.9

138 97.9 71.4 107.2



#48

Acenaphthylene

Concen: 45.32 ng

RT: 14.61 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

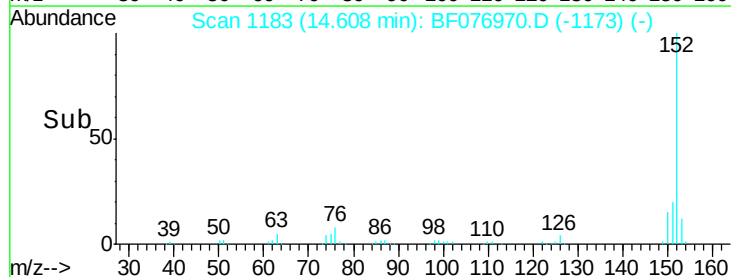
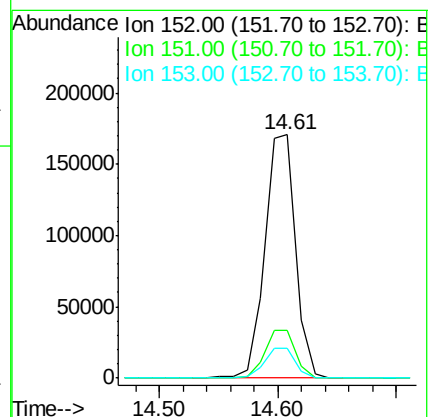
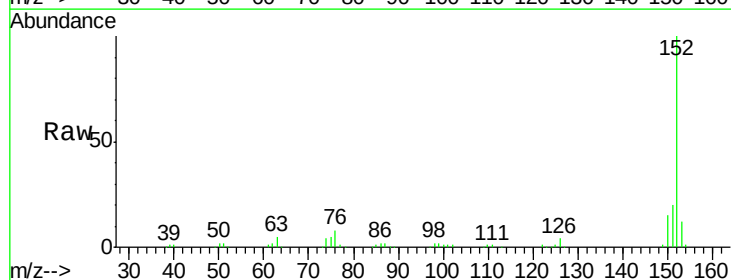
Tgt Ion: 152 Resp: 306246

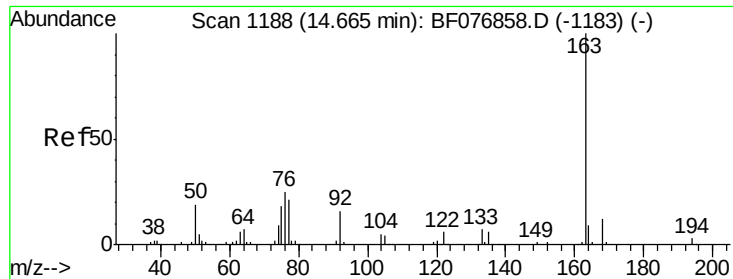
Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 12.2 10.2 15.4

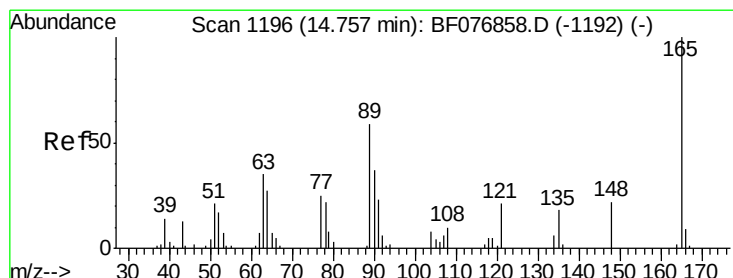
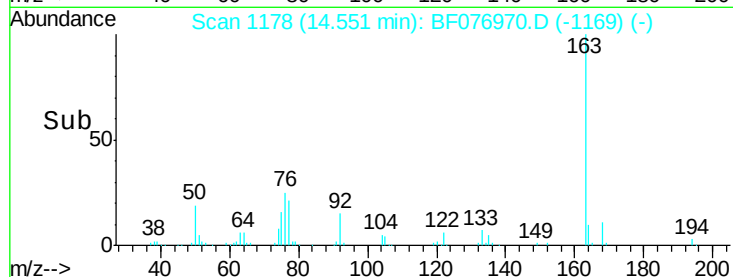
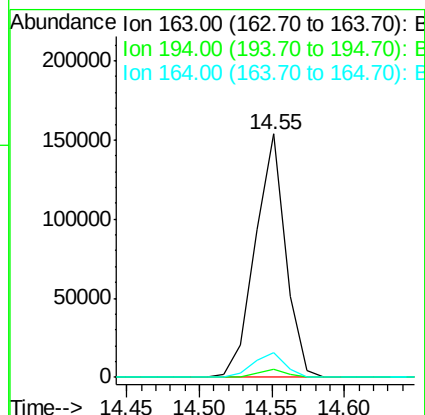
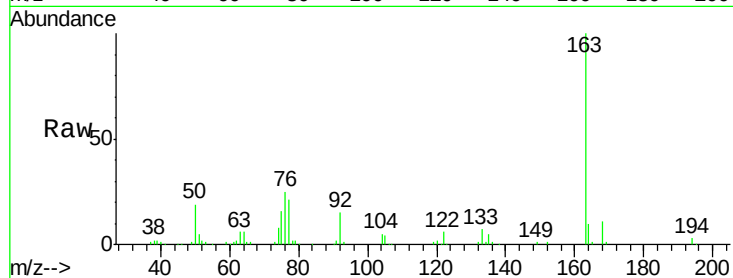




#49  
Dimethylphthalate  
Concen: 47.97 ng  
RT: 14.55 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

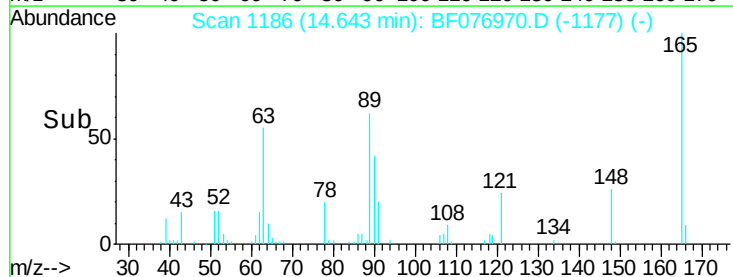
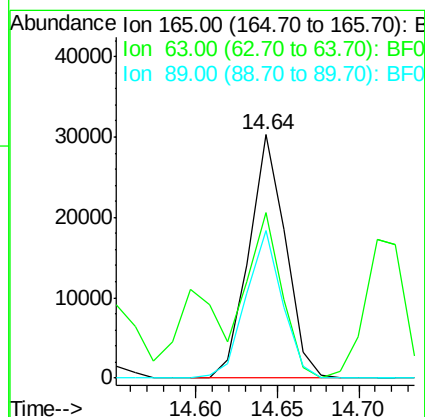
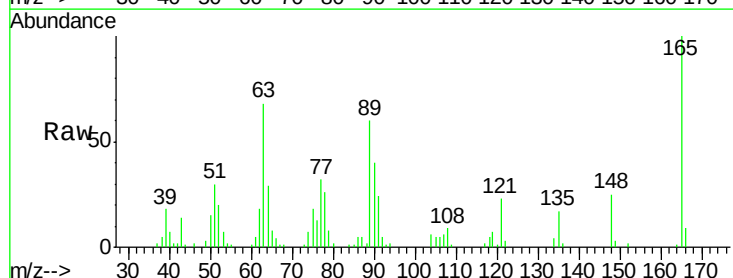
Instrument :  
BNA\_F  
ClientSampleId :

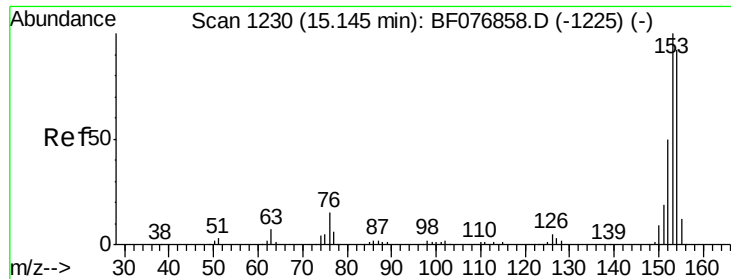
Tot Ion:163 Resp: 223412  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.6 4.0  
164 10.4 7.5 11.3



#50  
2,6-Dinitrotoluene  
Concen: 50.63 ng  
RT: 14.64 min Scan# 1186  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:165 Resp: 47116  
Ion Ratio Lower Upper  
165 100  
63 67.8 48.1 72.1  
89 60.5 47.2 70.8





#51

Acenaphthene

Concen: 44.76 ng

RT: 15.03 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

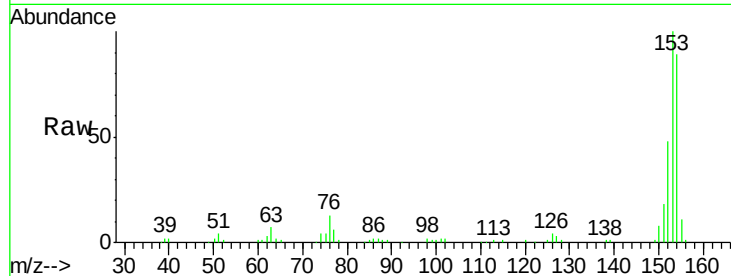
Tot Ion:154 Resp: 171635

Ion Ratio Lower Upper

154 100

153 111.8 87.0 130.6

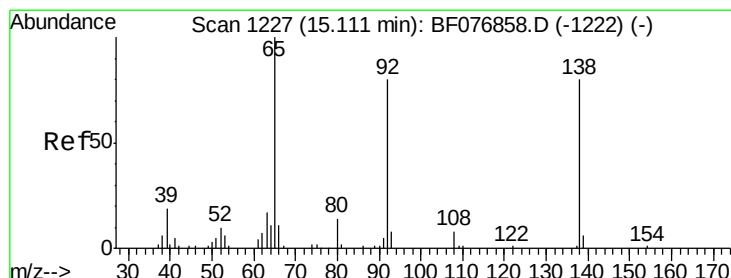
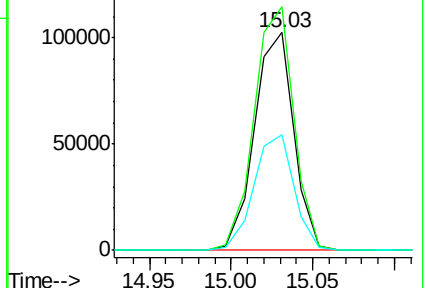
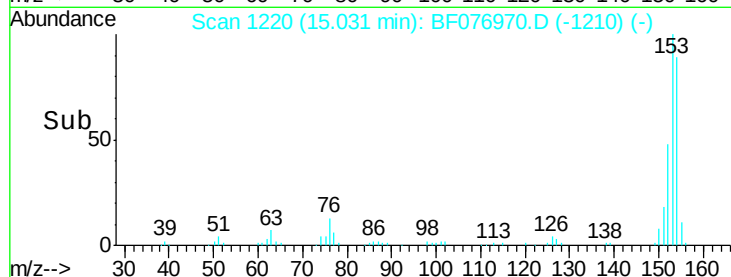
152 53.4 43.5 65.3



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: 18.11 ng

RT: 14.99 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

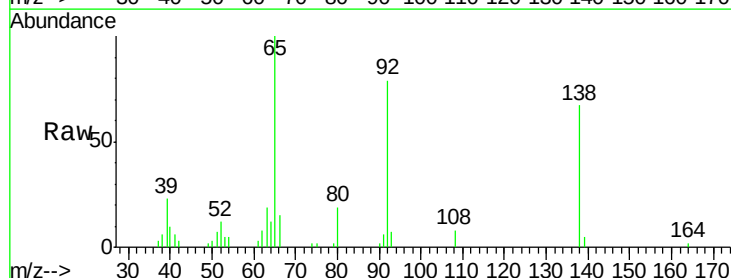
Tgt Ion:138 Resp: 20580

Ion Ratio Lower Upper

138 100

108 12.1 8.3 12.5

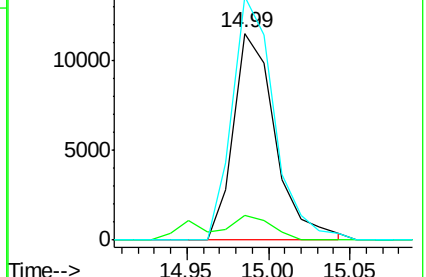
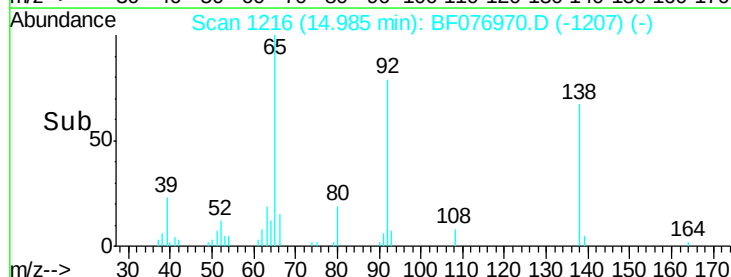
92 117.6 80.9 121.3

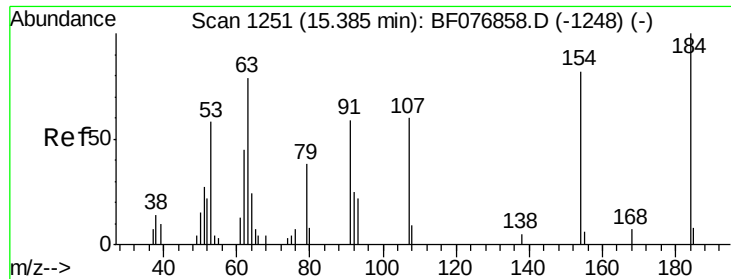


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

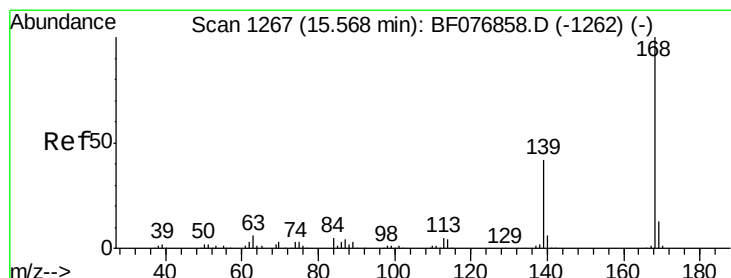
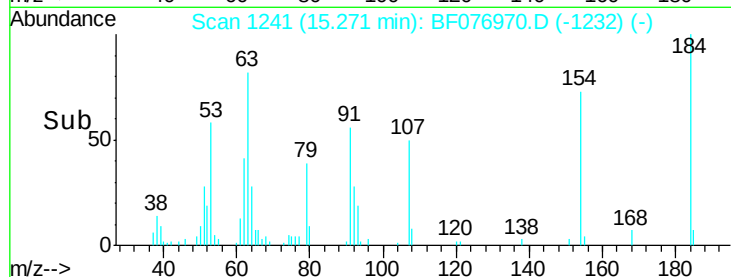
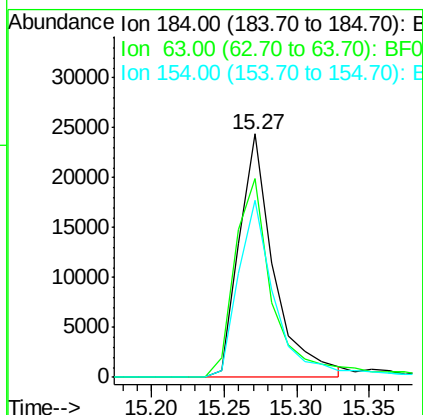
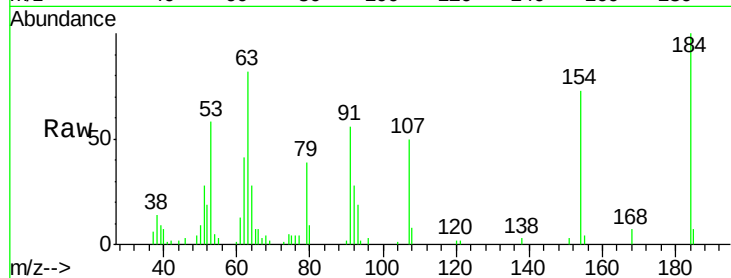




#53  
 2,4-Dinitrophenol  
 Concen: 91.30 ng  
 RT: 15.27 min Scan# 1241  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

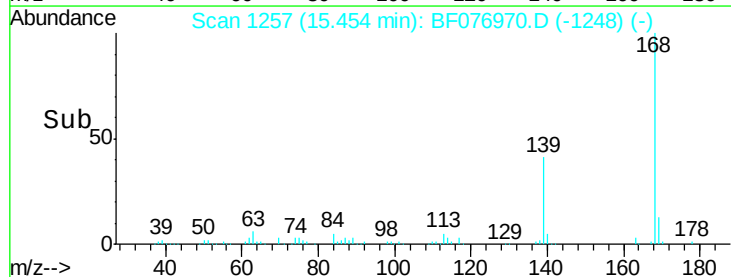
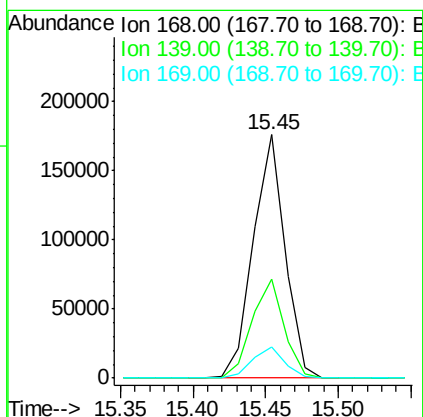
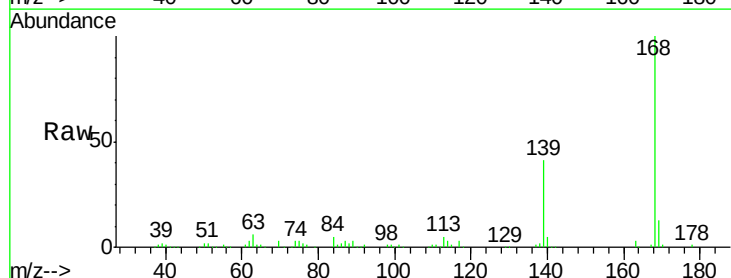
Instrument :  
 BNA\_F  
 ClientSampled :

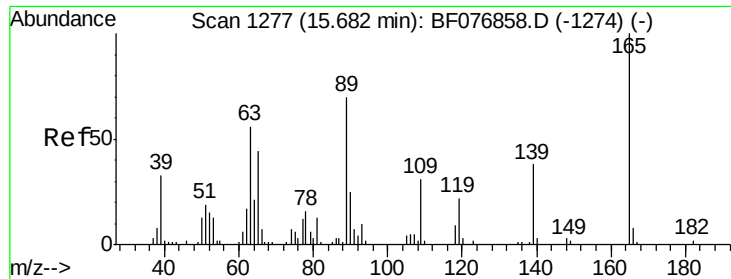
Tot Ion:184 Resp: 40719  
 Ion Ratio Lower Upper  
 184 100  
 63 81.5 63.0 94.6  
 154 73.0 65.5 98.3



#54  
 Dibenzofuran  
 Concen: 47.88 ng  
 RT: 15.45 min Scan# 1257  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:168 Resp: 267435  
 Ion Ratio Lower Upper  
 168 100  
 139 40.7 33.4 50.2  
 169 12.7 10.6 15.8

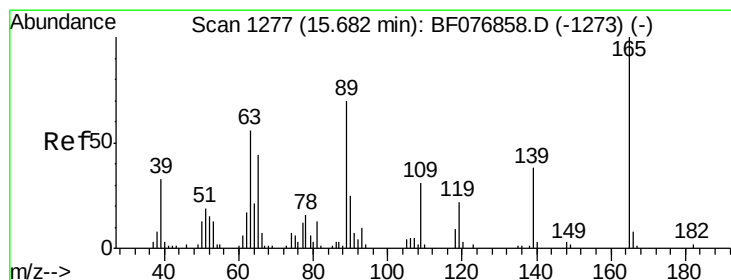
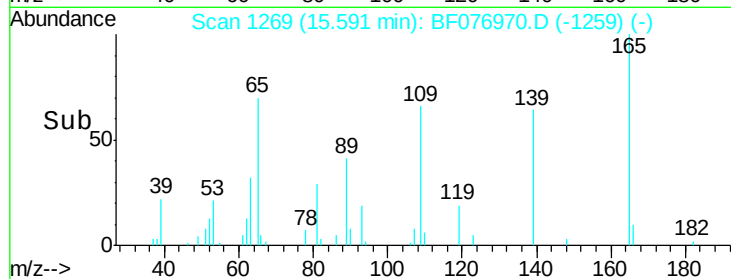
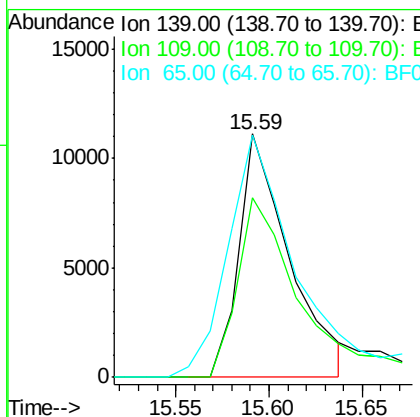
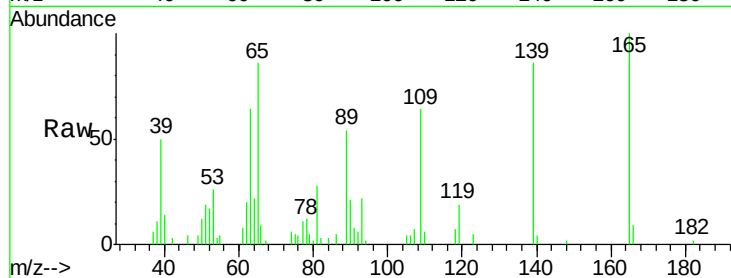




#55  
4-Nitrophenol  
Concen: 28.77 ng  
RT: 15.59 min Scan# 1269  
Delta R.T. 0.01 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

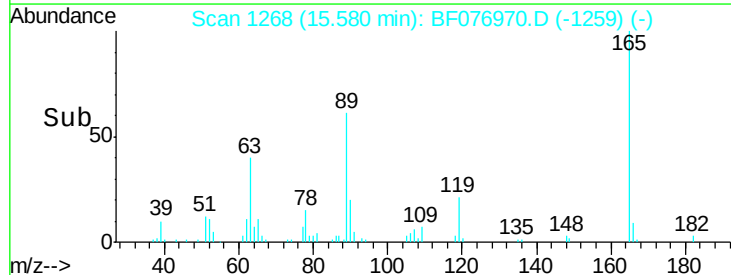
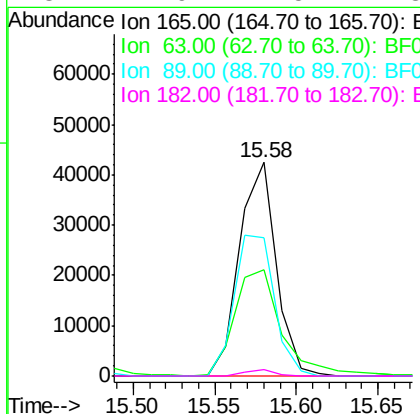
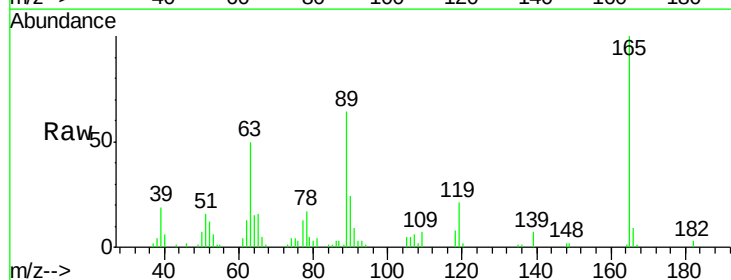
Instrument :  
BNA\_F  
ClientSampled :

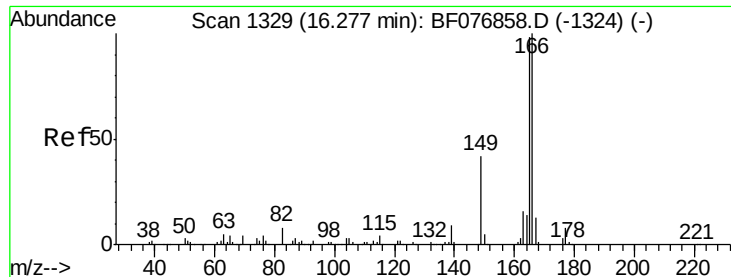
Tot Ion:139 Resp: 21003  
Ion Ratio Lower Upper  
139 100  
109 74.0 61.0 101.0  
65 99.4 96.6 136.6



#56  
2,4-Dinitrotoluene  
Concen: 47.45 ng  
RT: 15.58 min Scan# 1268  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:165 Resp: 66154  
Ion Ratio Lower Upper  
165 100  
63 50.0 44.8 67.2  
89 64.4 56.2 84.2  
182 2.9 1.5 2.3#

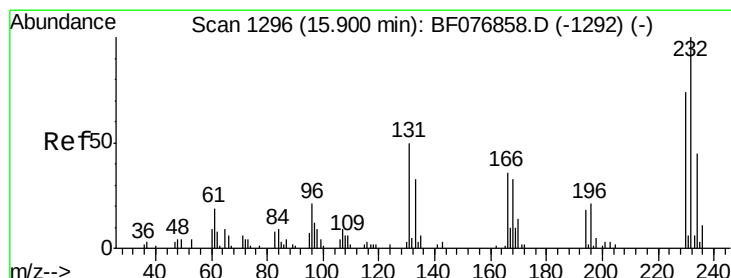
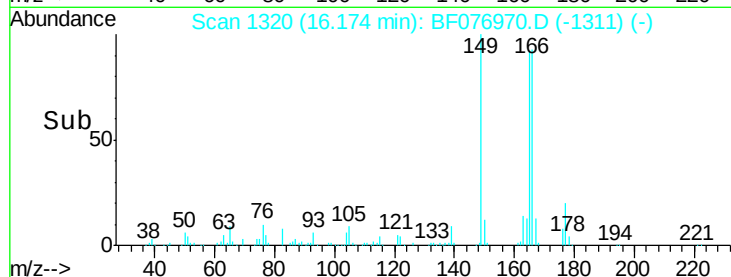
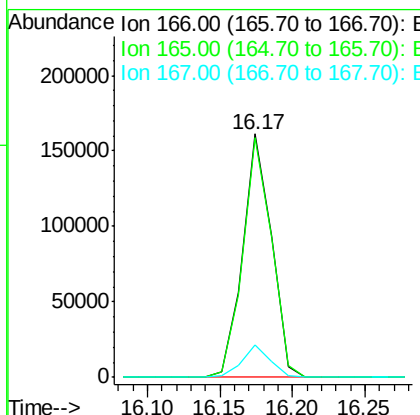
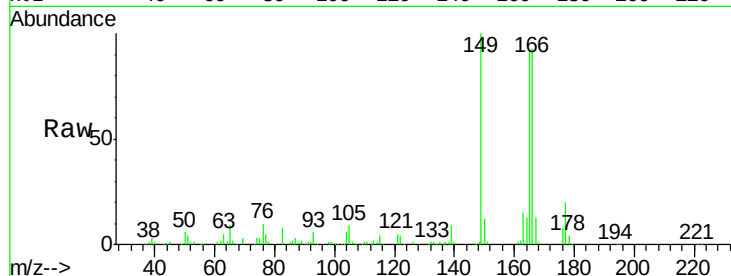




#57  
 Fluorene  
 Concen: 46.66 ng  
 RT: 16.17 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

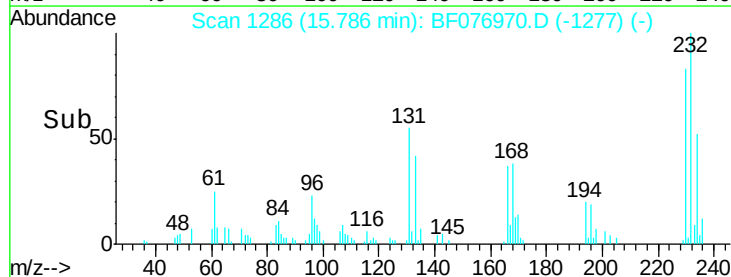
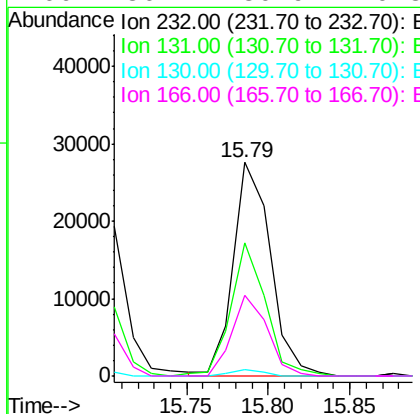
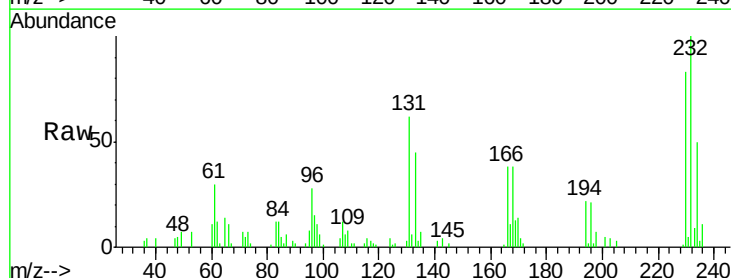
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:166 Resp: 220786  
 Ion Ratio Lower Upper  
 166 100  
 165 98.7 78.5 117.7  
 167 13.6 10.4 15.6

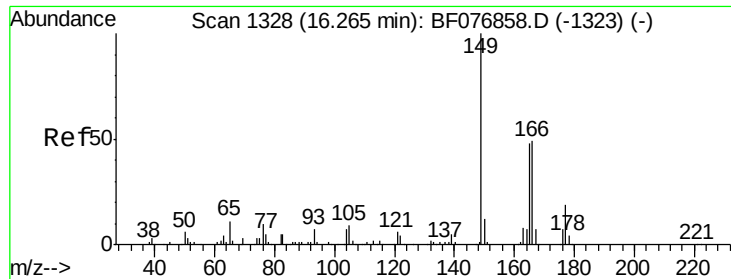


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.64 ng  
 RT: 15.79 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:232 Resp: 43611  
 Ion Ratio Lower Upper  
 232 100  
 131 58.5 45.0 67.6  
 130 2.7 2.6 3.8  
 166 36.1 30.9 46.3



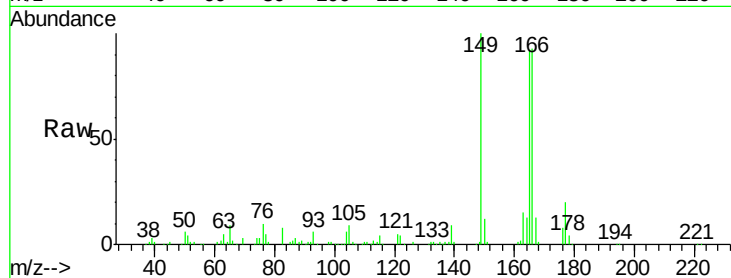




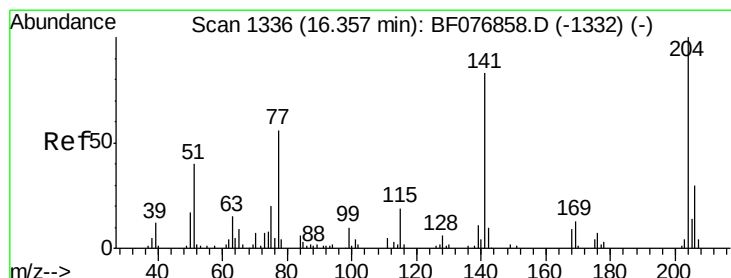
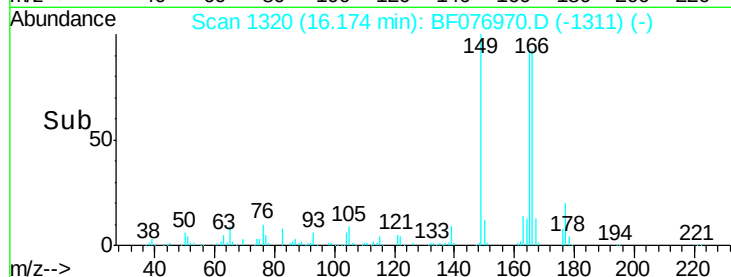
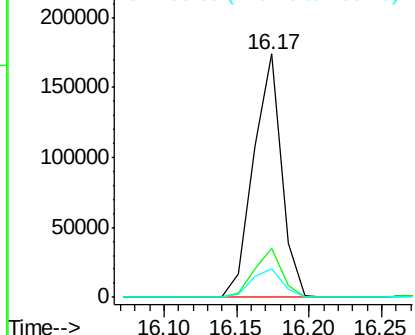
#59  
Diethylphthalate  
Concen: 49.56 ng  
RT: 16.17 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 233277  
Ion Ratio Lower Upper  
149 100  
177 20.0 15.0 22.6  
150 12.0 9.4 14.0

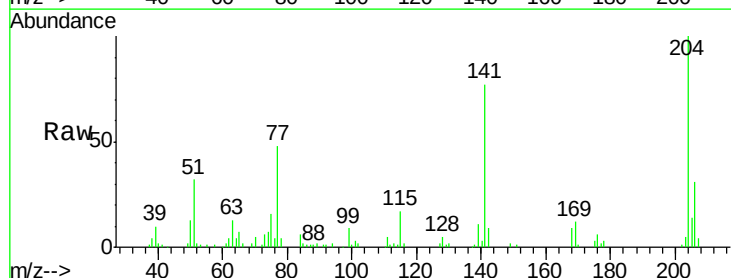


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

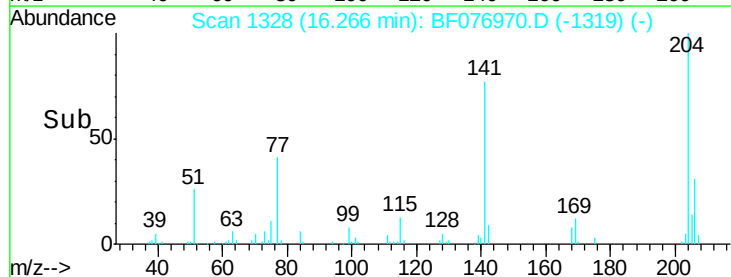
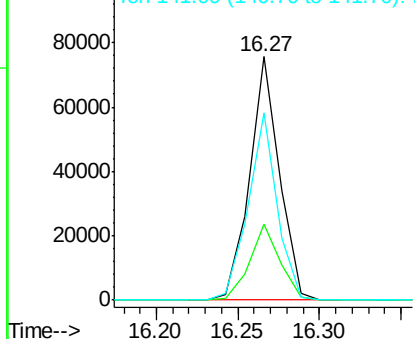


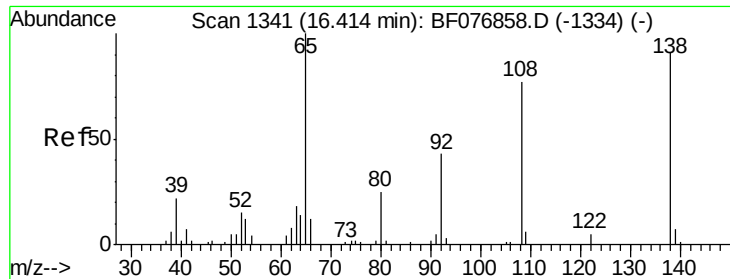
#60  
4-Chlorophenyl-phenylether  
Concen: 49.24 ng  
RT: 16.27 min Scan# 1328  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:204 Resp: 95337  
Ion Ratio Lower Upper  
204 100  
206 31.2 24.2 36.2  
141 77.1 66.7 100.1



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

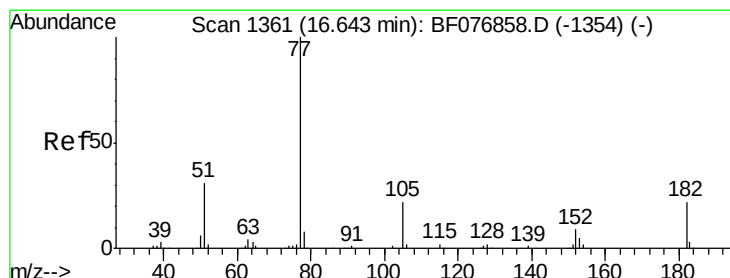
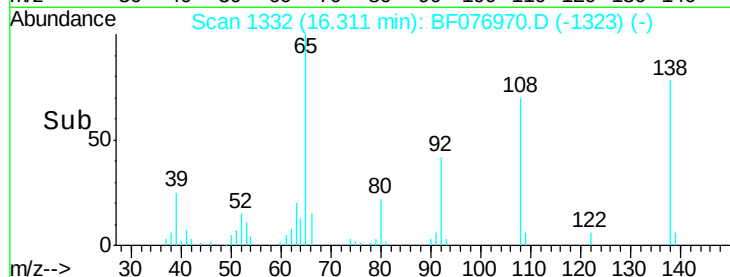
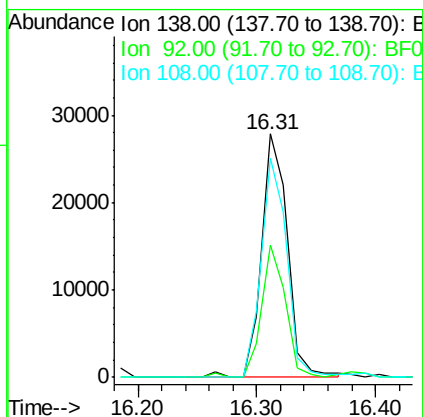
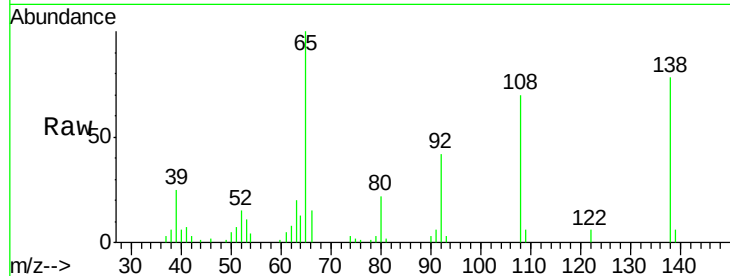




#61  
4-Nitroaniline  
Concen: 36.50 ng  
RT: 16.31 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

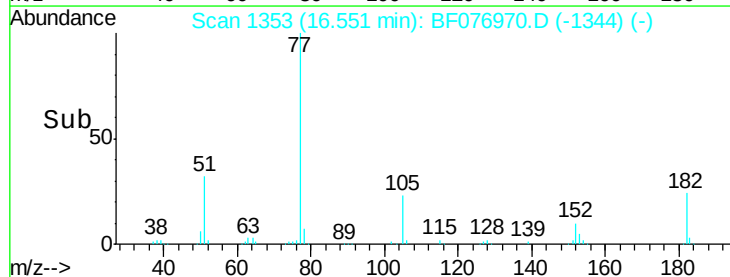
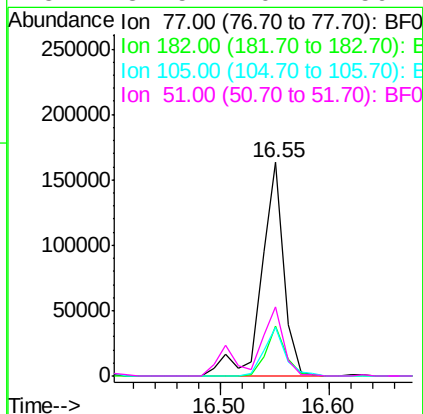
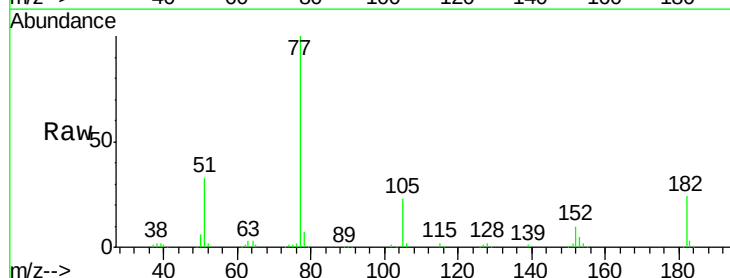
Instrument :  
BNA\_F  
ClientSampleId :

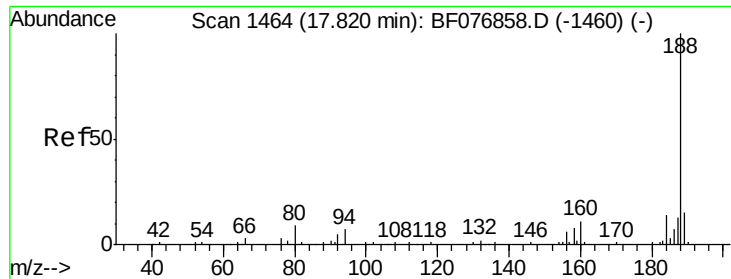
Tot Ion:138 Resp: 42406  
Ion Ratio Lower Upper  
138 100  
92 54.2 26.7 66.7  
108 90.0 64.5 104.5



#62  
Azobenzene  
Concen: 47.93 ng  
RT: 16.55 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion: 77 Resp: 235082  
Ion Ratio Lower Upper  
77 100  
182 23.5 2.0 42.0  
105 22.6 2.3 42.3  
51 32.5 10.7 50.7

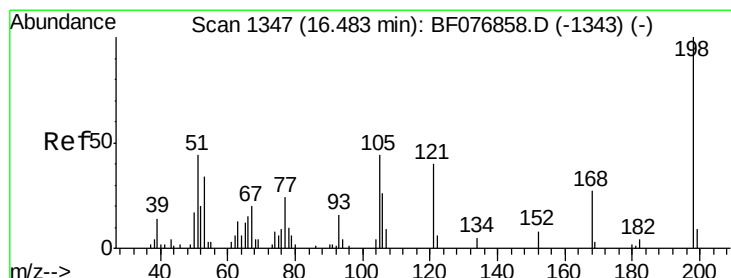
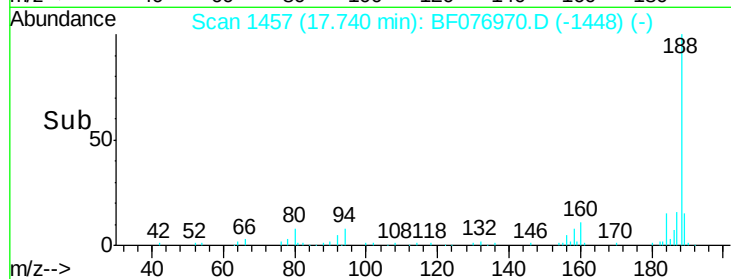
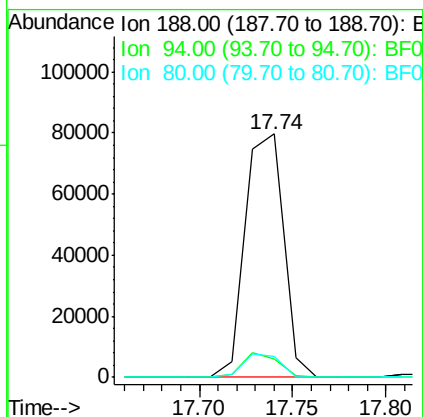
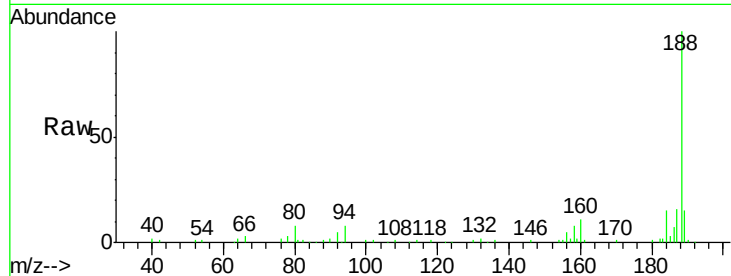




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.74 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

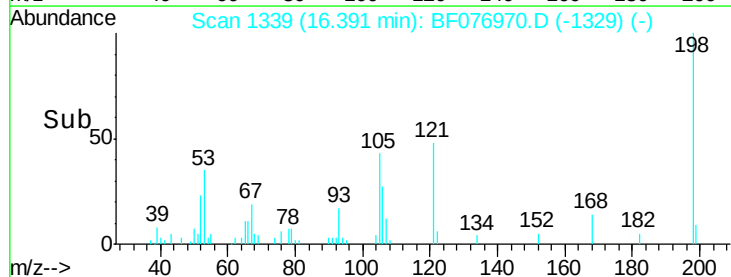
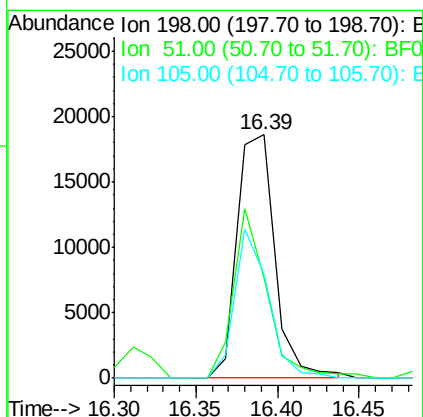
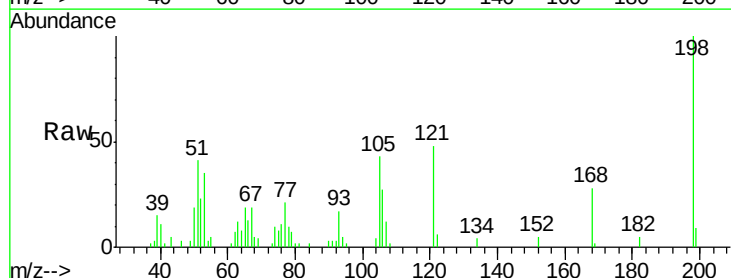
Instrument :  
 BNA\_F  
 ClientSampleId :

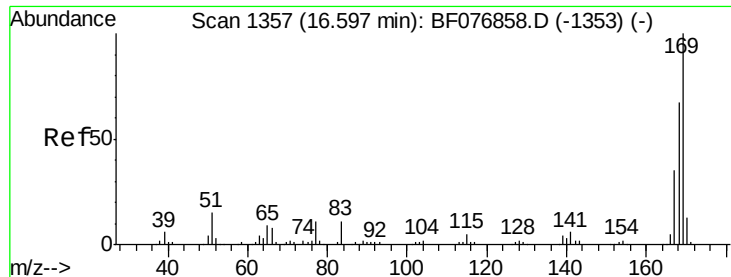
| Tot Ion   | 188 | Resp  | 114220 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 94        | 7.8 | 6.0   | 9.0    |
| 80        | 8.4 | 6.9   | 10.3   |



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.23 ng  
 RT: 16.39 min Scan# 1339  
 Delta R.T. 0.01 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

| Tgt Ion   | 198  | Resp  | 29898 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 51        | 41.4 | 24.2  | 64.2  |
| 105       | 42.9 | 24.0  | 64.0  |

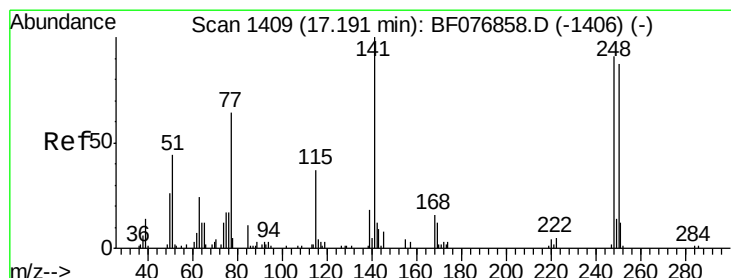
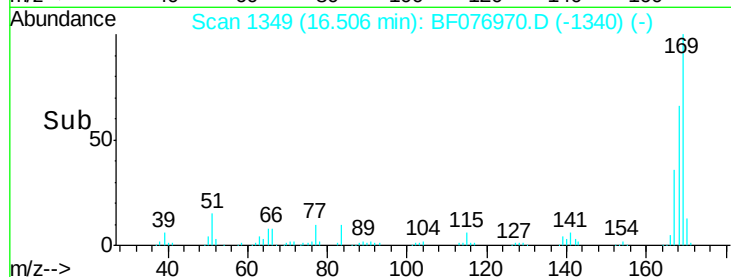
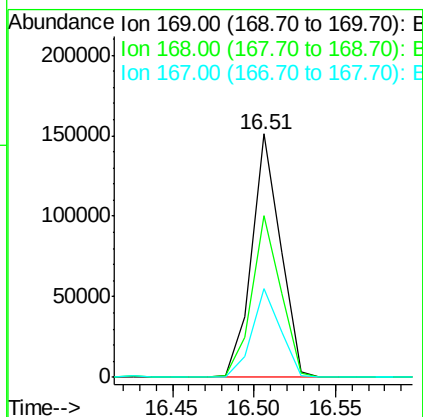
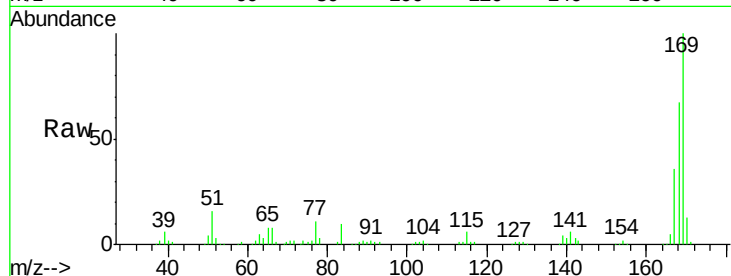




#65  
 n-Nitrosodiphenylamine  
 Concen: 45.49 ng  
 RT: 16.51 min Scan# 1349  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

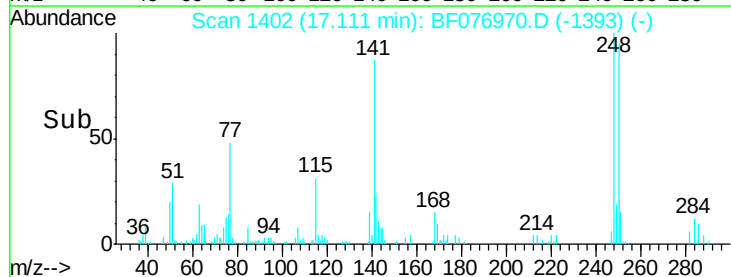
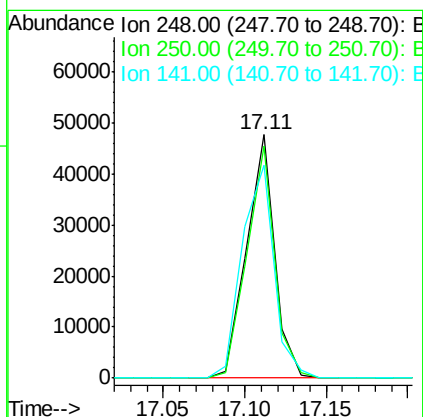
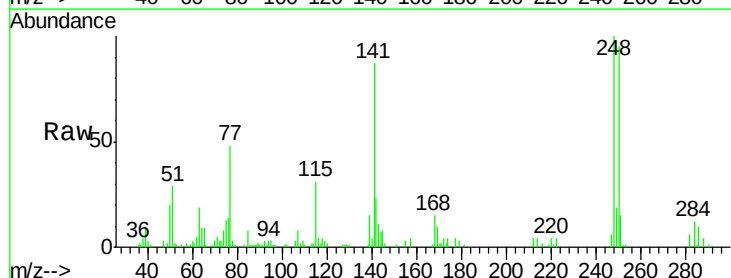
Instrument :  
 BNA\_F  
 ClientSampleId :

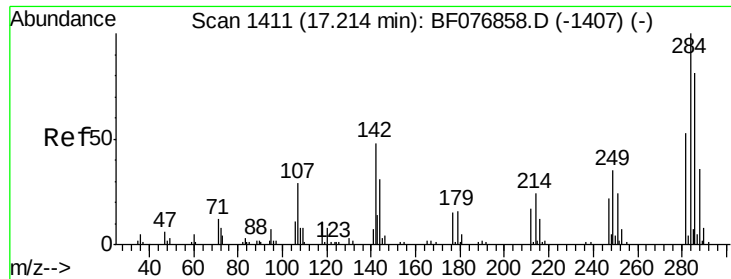
Tot Ion:169 Resp: 185270  
 Ion Ratio Lower Upper  
 169 100  
 168 66.6 53.8 80.6  
 167 36.4 27.8 41.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 49.11 ng  
 RT: 17.11 min Scan# 1402  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:248 Resp: 56829  
 Ion Ratio Lower Upper  
 248 100  
 250 95.5 77.1 115.7  
 141 87.2 88.2 132.4#

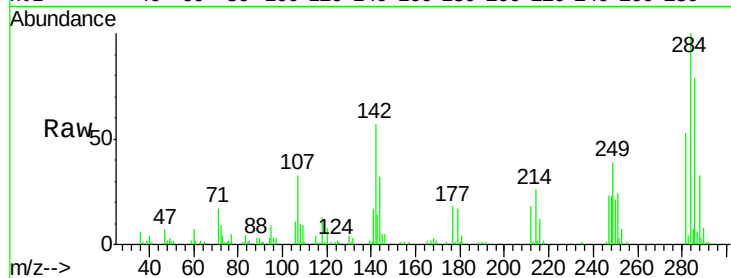




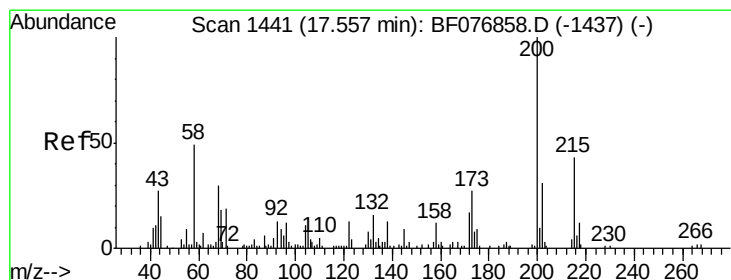
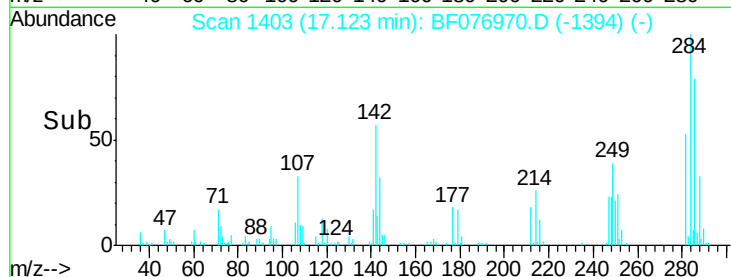
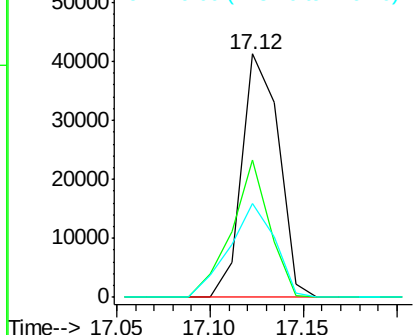
#67  
Hexachlorobenzene  
Concen: 46.34 ng  
RT: 17.12 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 56515  
Ion Ratio Lower Upper  
284 100  
142 56.5 38.2 57.4  
249 38.7 28.2 42.2

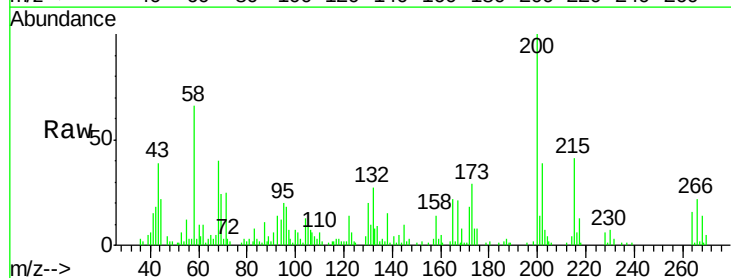


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

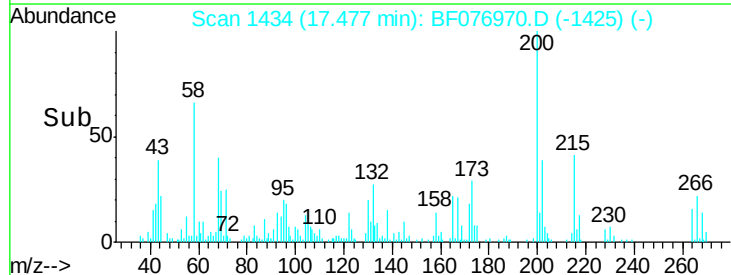
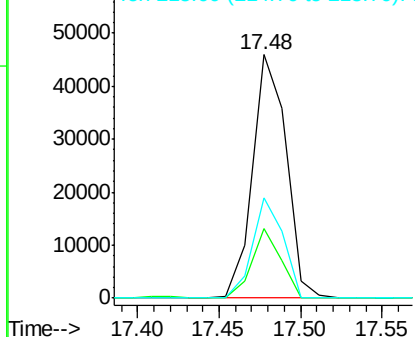


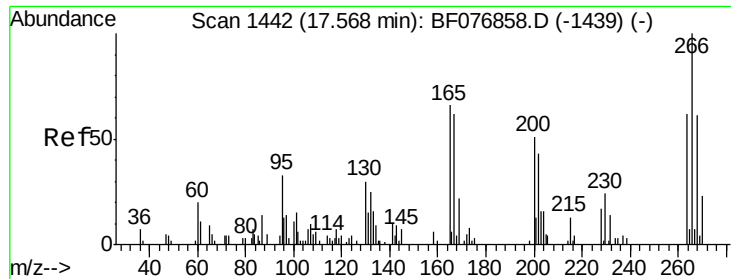
#68  
Atrazine  
Concen: 53.37 ng  
RT: 17.48 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:200 Resp: 65961  
Ion Ratio Lower Upper  
200 100  
173 28.7 6.6 46.6  
215 41.2 22.9 62.9



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

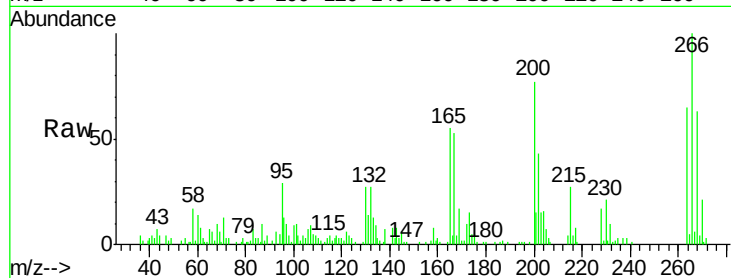




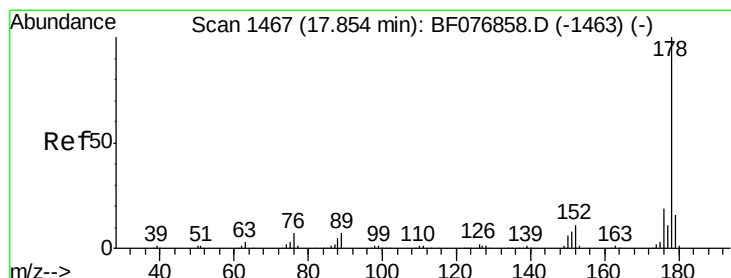
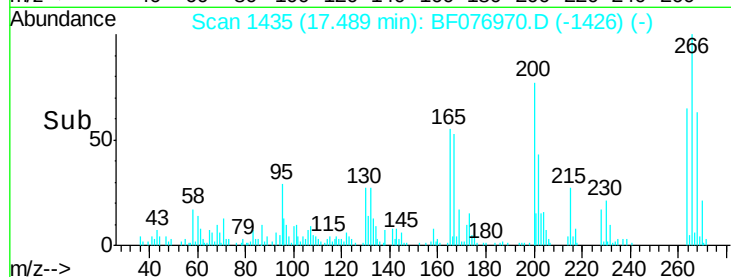
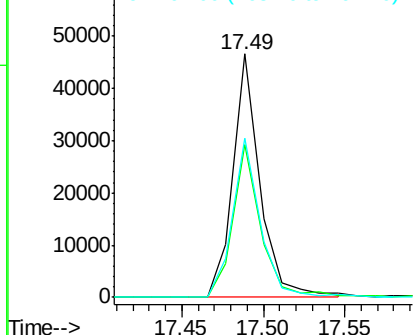
#69  
 Pentachlorophenol  
 Concen: 93.74 ng  
 RT: 17.49 min Scan# 1435  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 53160  
 Ion Ratio Lower Upper  
 266 100  
 268 62.7 48.6 72.8  
 264 65.3 49.5 74.3

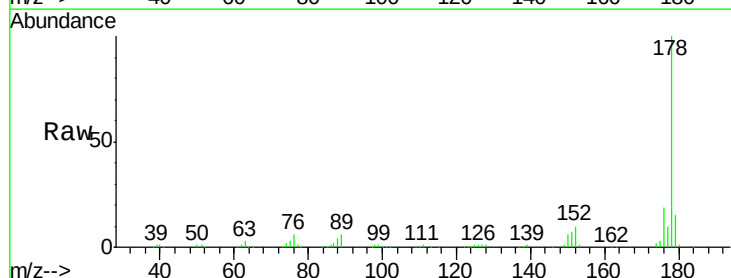


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

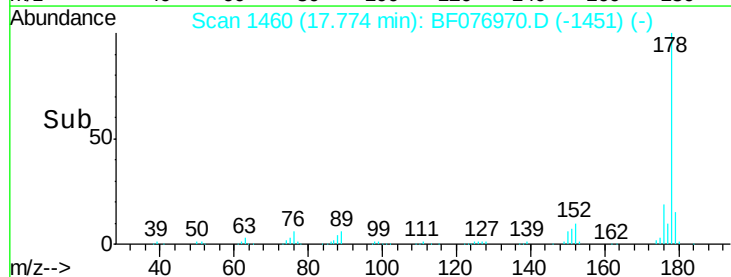
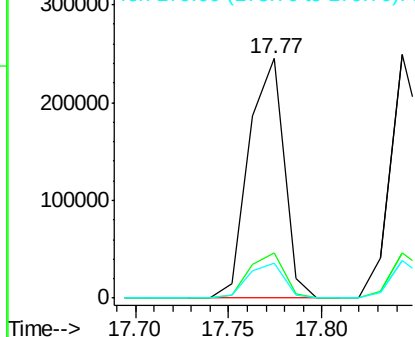


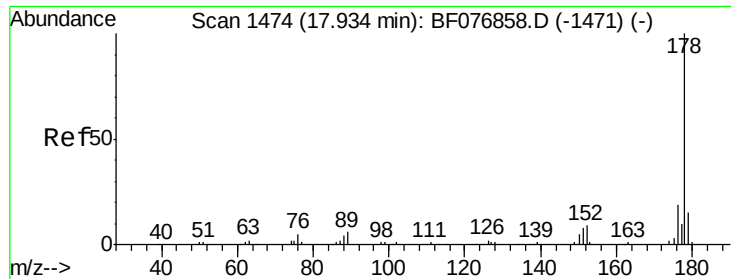
#70  
 Phenanthrene  
 Concen: 45.00 ng  
 RT: 17.77 min Scan# 1460  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:178 Resp: 320562  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.1 22.7  
 179 14.5 12.7 19.1



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

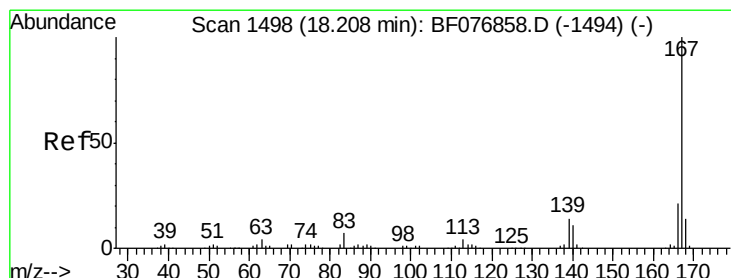
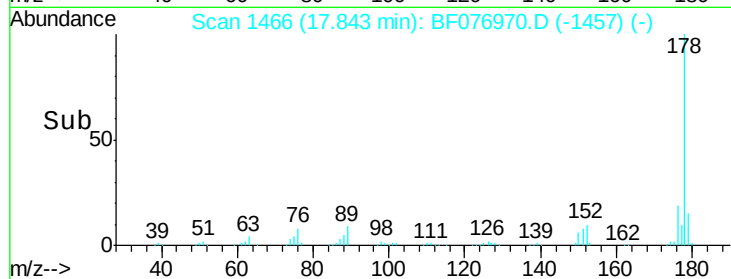
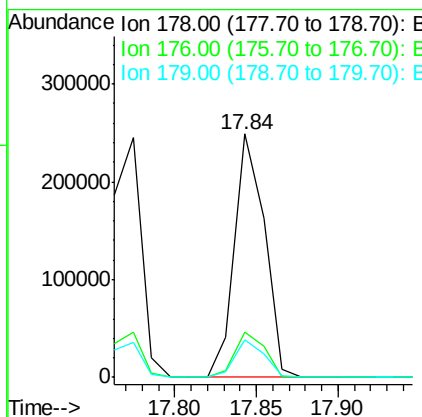
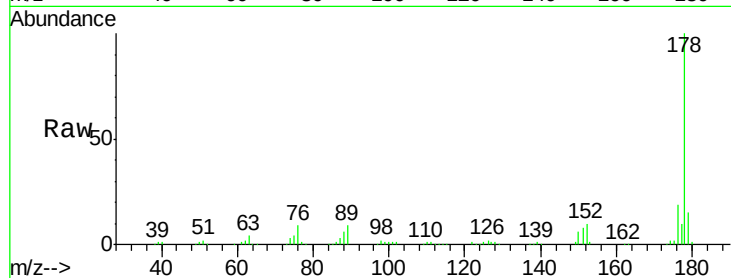




#71  
 Anthracene  
 Concen: 45.43 ng  
 RT: 17.84 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

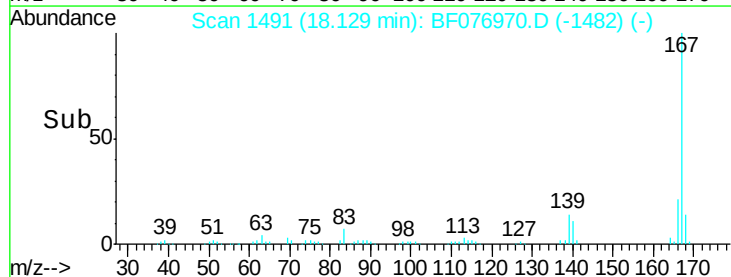
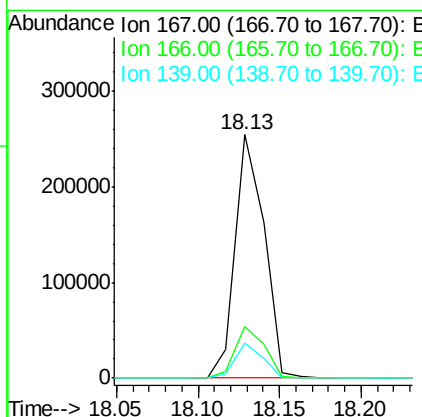
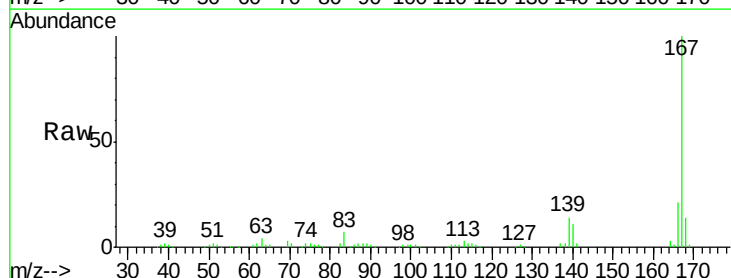
Instrument :  
 BNA\_F  
 ClientSampleId :

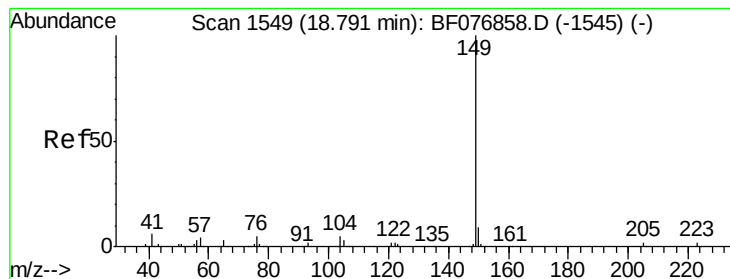
Tot Ion:178 Resp: 315539  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.4 23.0  
 179 15.2 11.9 17.9



#72  
 Carbazole  
 Concen: 46.41 ng  
 RT: 18.13 min Scan# 1491  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:167 Resp: 312677  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.0 25.6  
 139 14.3 11.3 16.9





#73

Di-n-butylphthalate

Concen: 52.43 ng

RT: 18.72 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

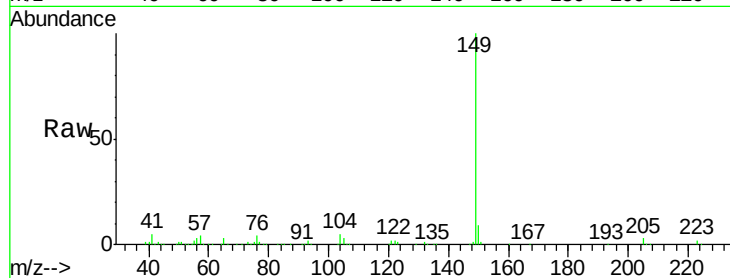
Tot Ion:149 Resp: 408851

Ion Ratio Lower Upper

149 100

150 8.9 6.9 10.3

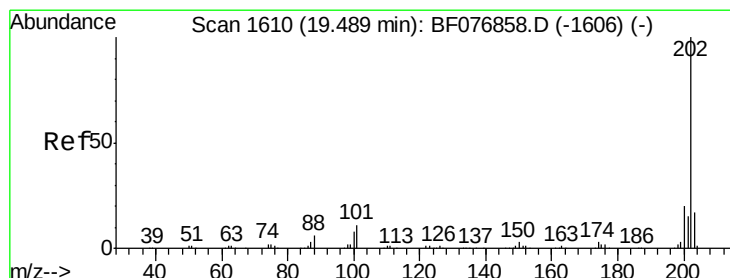
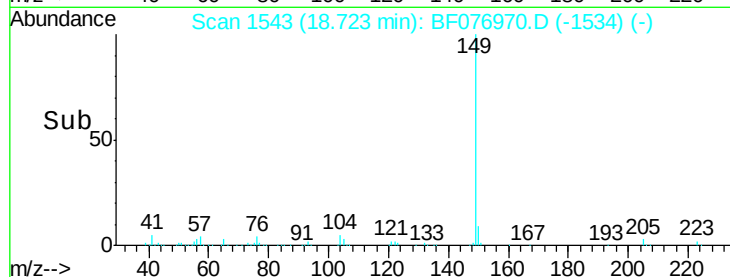
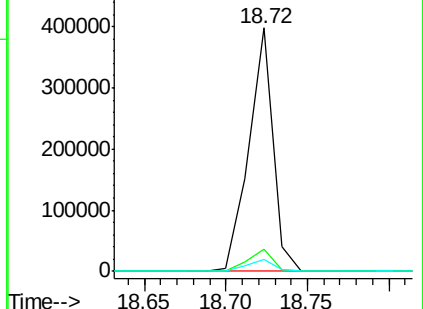
104 4.7 3.7 5.5



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: 46.42 ng

RT: 19.41 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

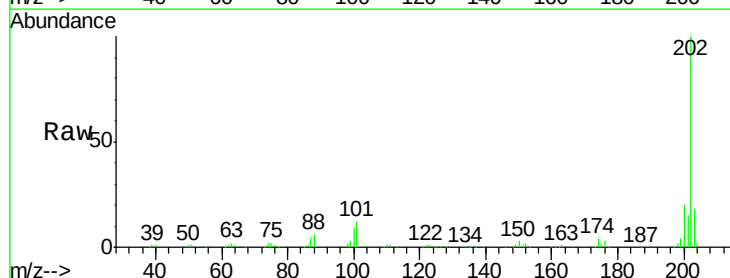
Tgt Ion:202 Resp: 338805

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.7

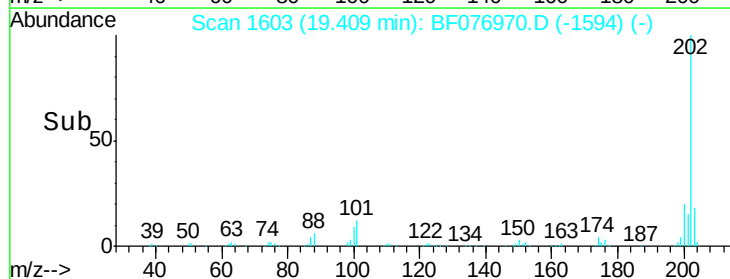
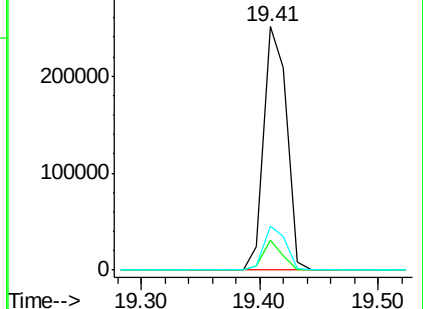
203 18.1 0.0 36.9



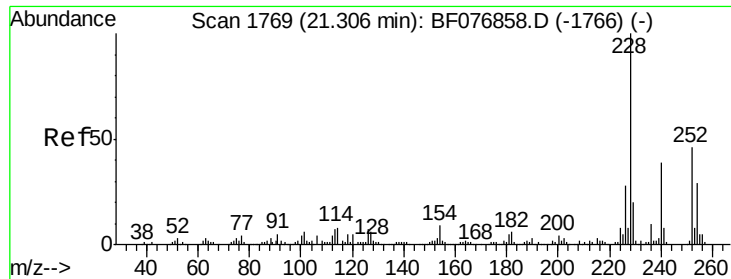
Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.24 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

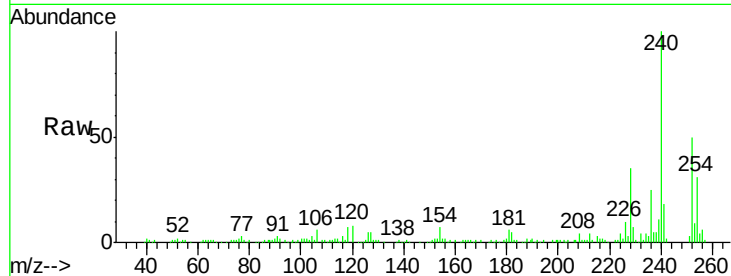
Tot Ion:240 Resp: 112544

Ion Ratio Lower Upper

240 100

120 7.9 10.4 15.6#

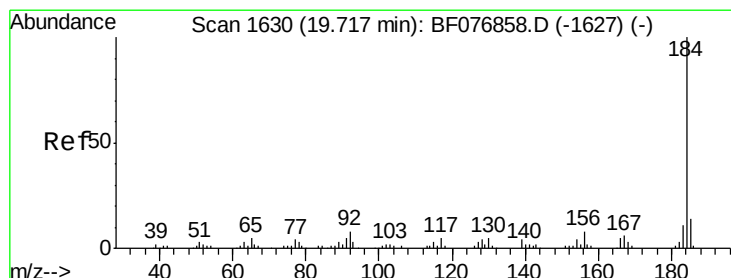
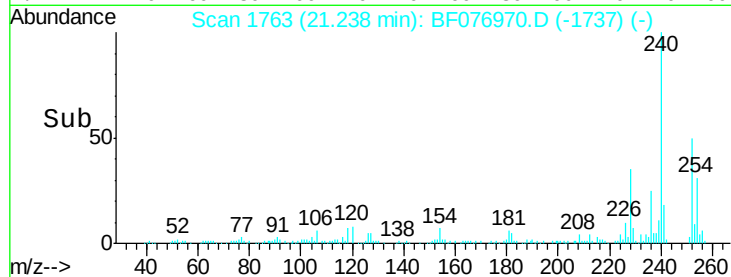
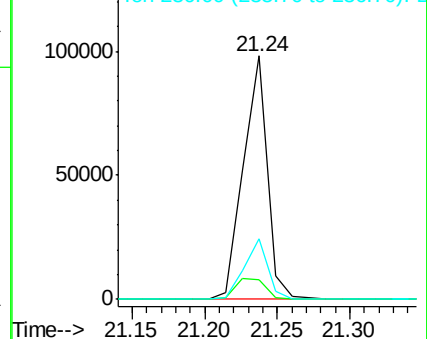
236 24.8 20.2 30.2



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: 10.35 ng

RT: 19.65 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

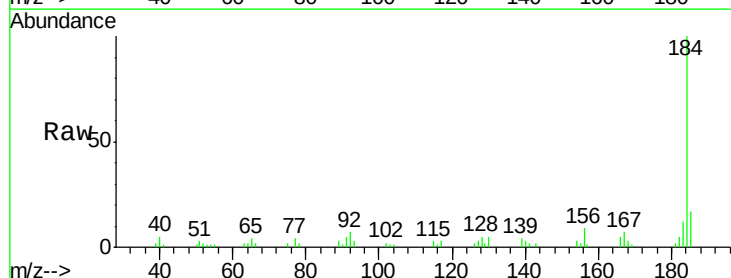
Tgt Ion:184 Resp: 37280

Ion Ratio Lower Upper

184 100

185 16.9 11.4 17.2

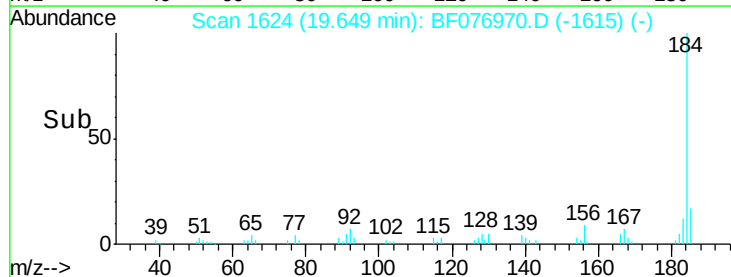
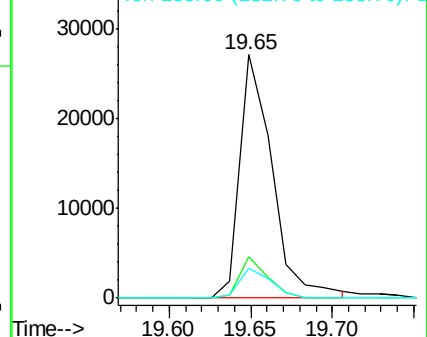
183 12.1 9.0 13.6

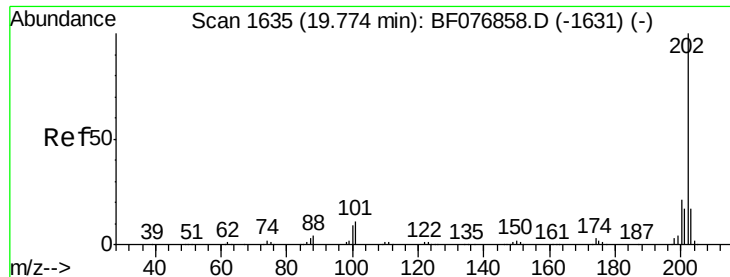


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

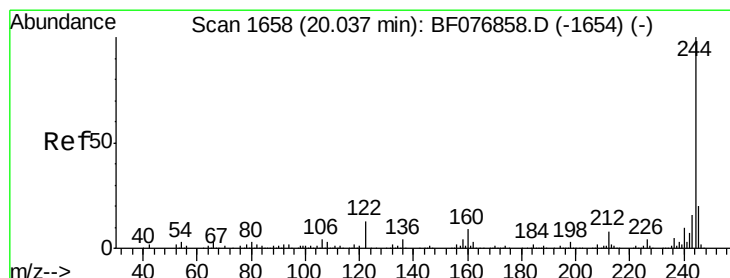
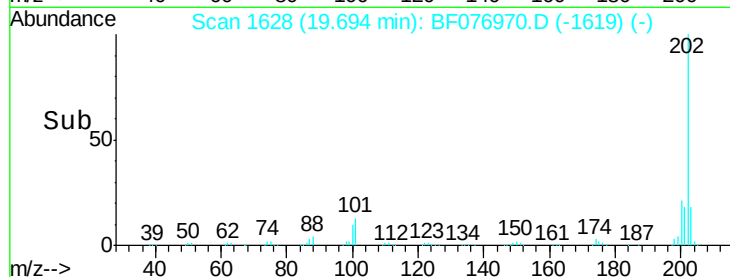
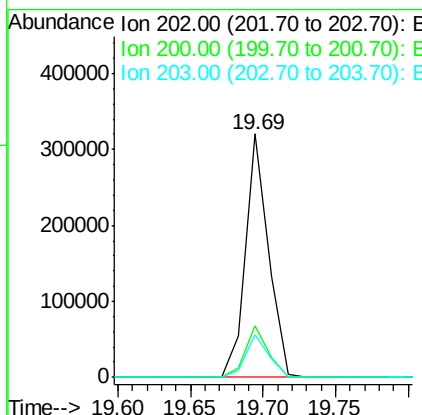
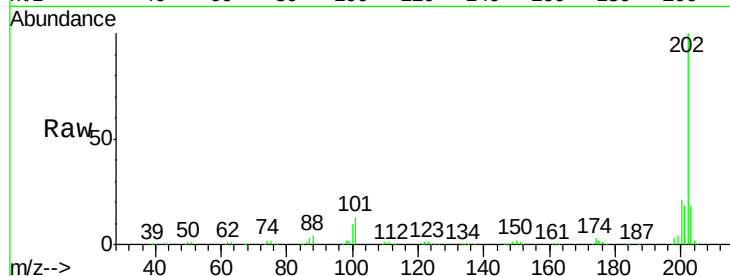




#77  
 Pvrene  
 Concen: 45.64 ng  
 RT: 19.69 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

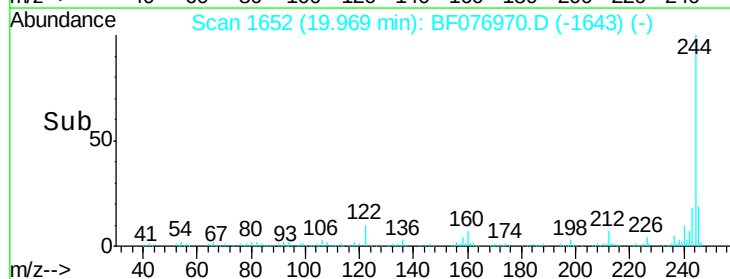
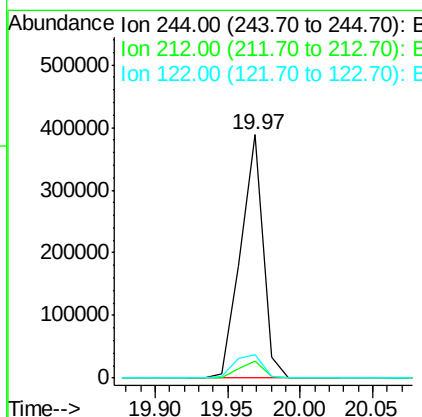
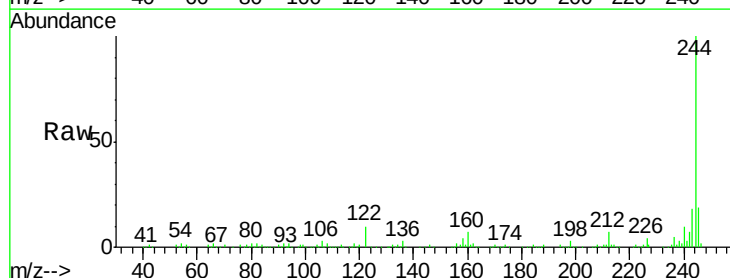
Instrument :  
 BNA\_F  
 ClientSampleId :

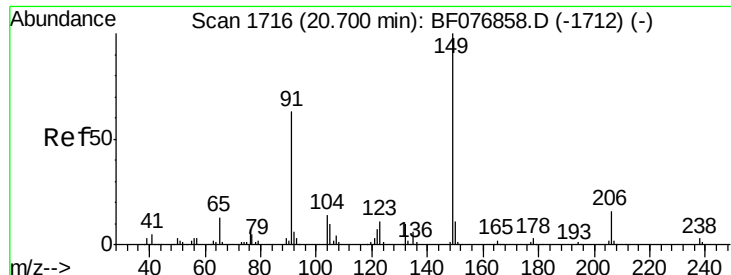
Tot Ion:202 Resp: 352043  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 16.7 25.1  
 203 17.6 14.0 21.0



#78  
 Terphenyl-d14  
 Concen: 85.59 ng  
 RT: 19.97 min Scan# 1652  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:244 Resp: 418426  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.3 9.5  
 122 9.9 10.1 15.1#

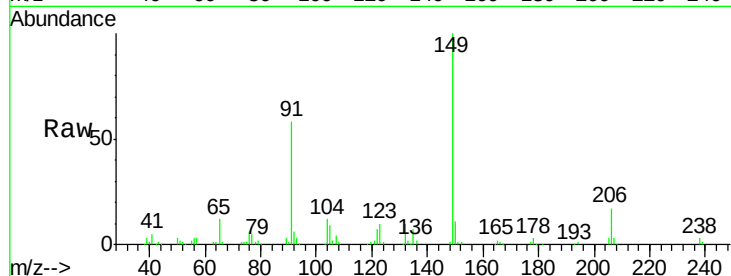




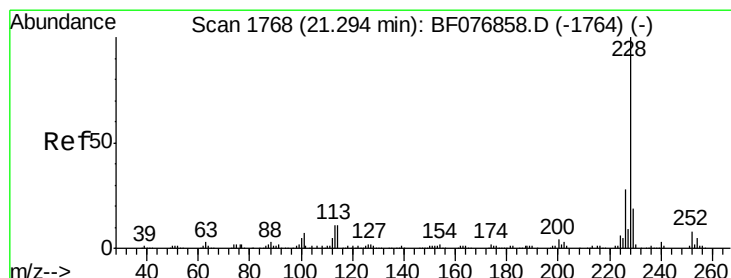
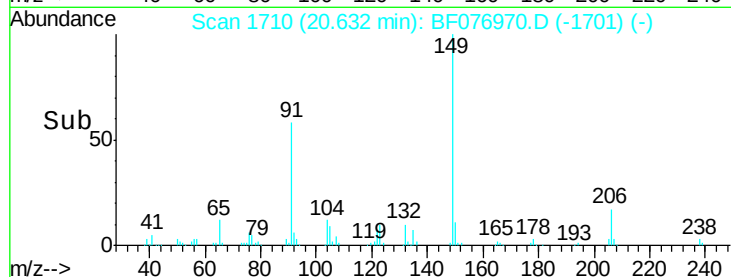
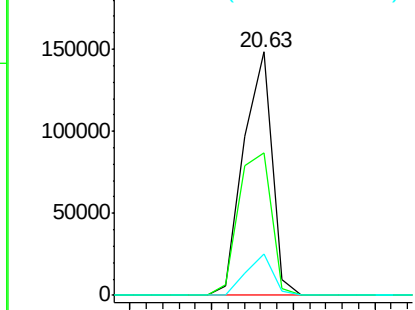
#79  
Butylbenzylphthalate  
Concen: 51.27 ng  
RT: 20.63 min Scan# 1710  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 179090  
Ion Ratio Lower Upper  
149 100  
91 58.4 50.6 76.0  
206 17.1 12.8 19.2

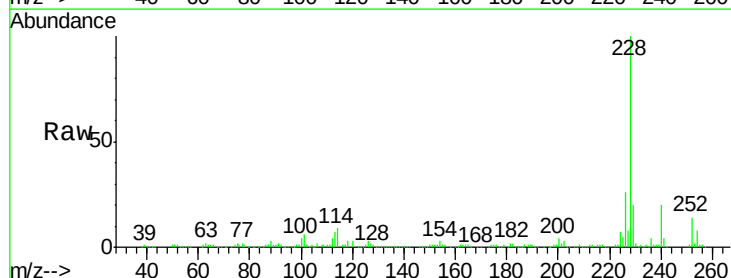


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

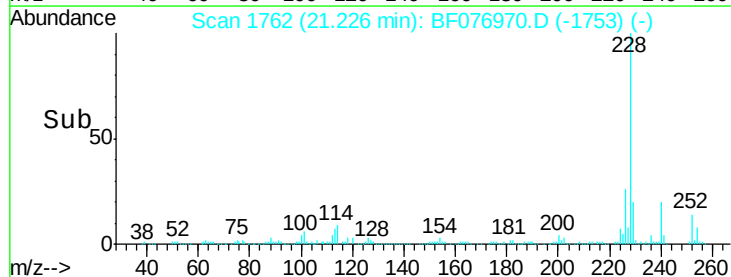
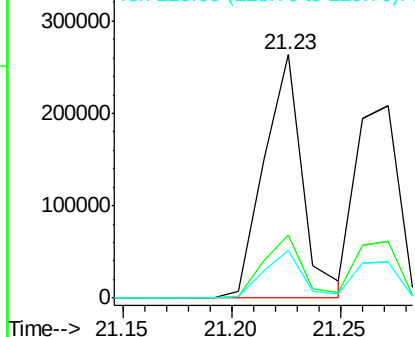


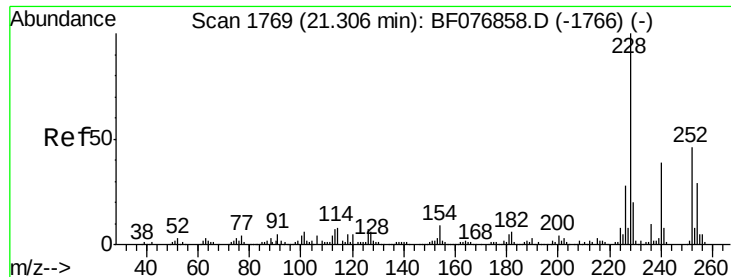
#80  
Benzo(a)anthracene  
Concen: 46.04 ng  
RT: 21.23 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:228 Resp: 325092  
Ion Ratio Lower Upper  
228 100  
226 26.2 22.1 33.1  
229 19.8 15.5 23.3



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

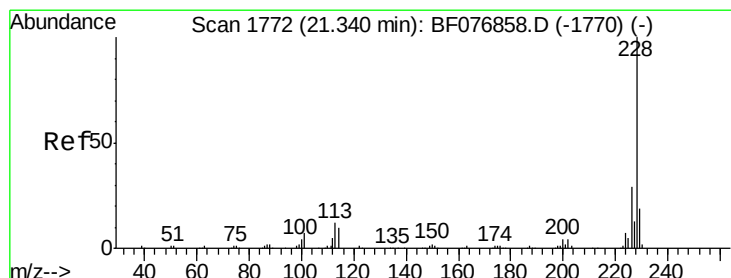
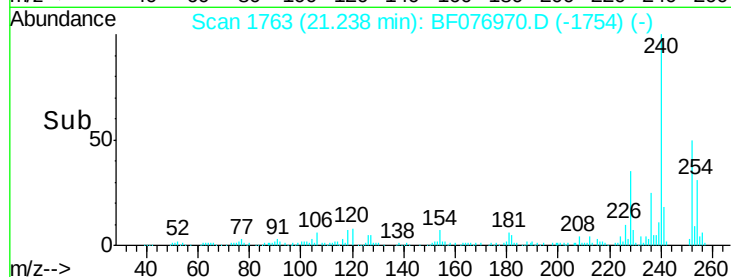
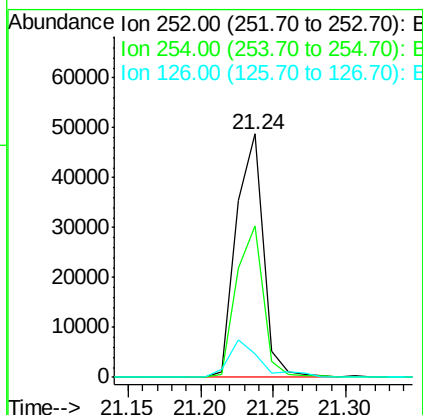
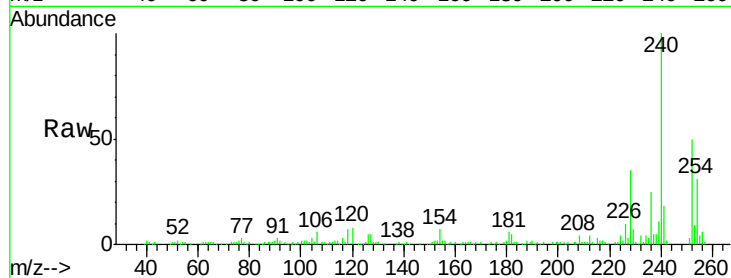




#81  
 3,3'-Dichlorobenzidine  
 Concen: 28.39 ng  
 RT: 21.24 min Scan# 1763  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

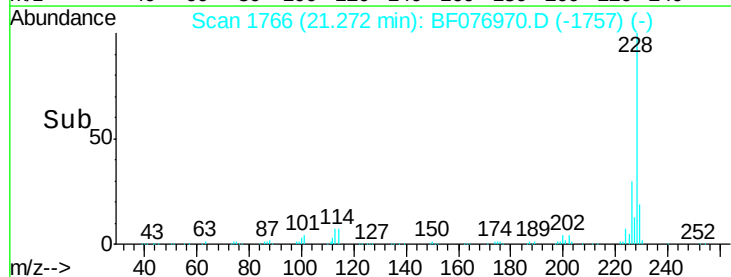
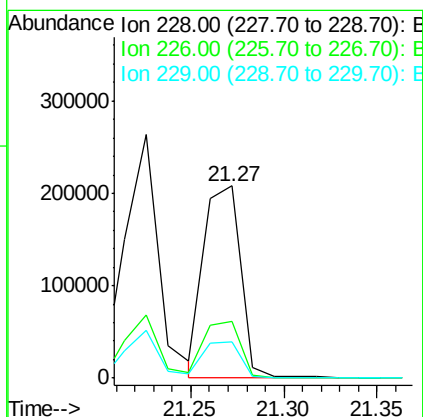
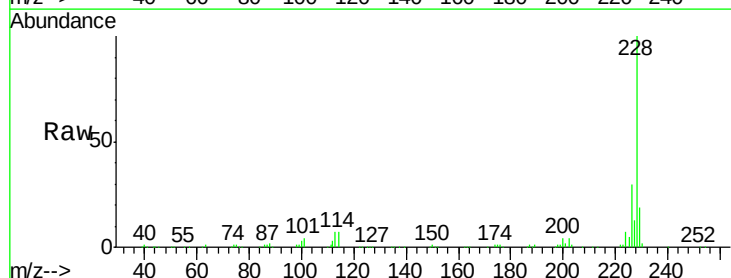
Instrument :  
 BNA\_F  
 ClientSampleId :

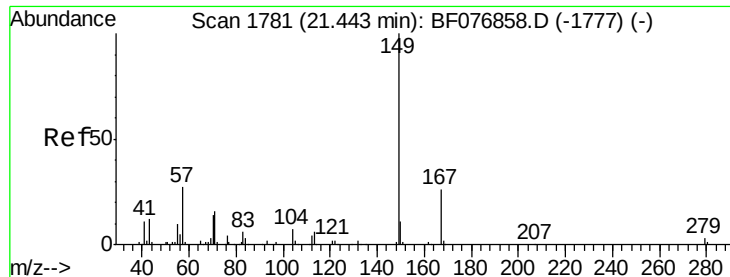
Tot Ion:252 Resp: 63701  
 Ion Ratio Lower Upper  
 252 100  
 254 62.0 50.2 75.4  
 126 9.6 11.5 17.3#



#82  
 Chrysene  
 Concen: 44.23 ng  
 RT: 21.27 min Scan# 1766  
 Delta R.T. 0.00 min  
 Lab File: BF076970.D  
 Acq: 20 Jan 2015 19:37

Tgt Ion:228 Resp: 284782  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 23.4 35.0  
 229 19.0 15.4 23.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.53 ng

RT: 21.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

Instrument :

BNA\_F

ClientSampleId :

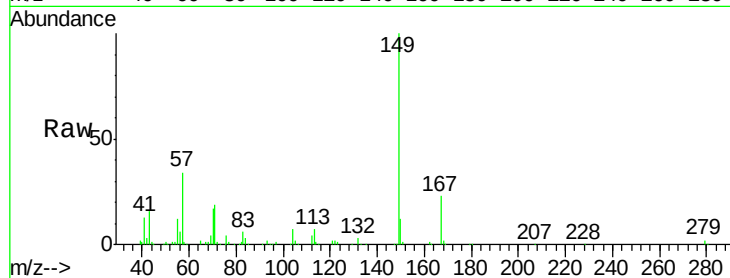
Tot Ion:149 Resp: 253878

Ion Ratio Lower Upper

149 100

167 23.2 20.6 30.8

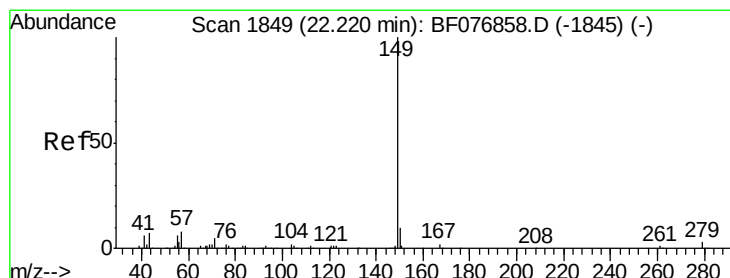
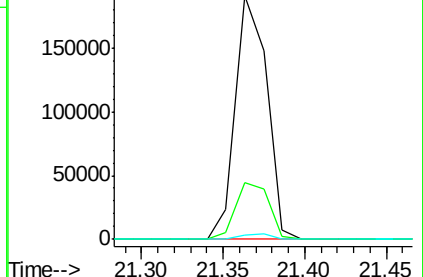
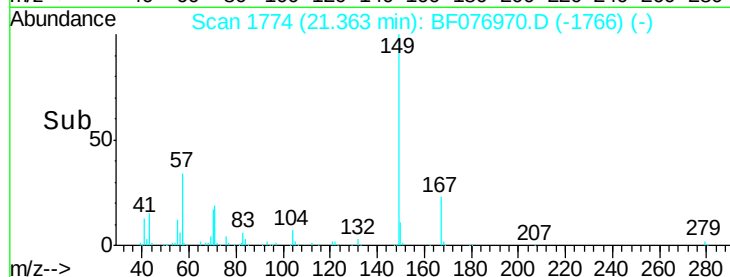
279 1.9 2.2 3.2#



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: 52.82 ng

RT: 22.13 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF076970.D

Acq: 20 Jan 2015 19:37

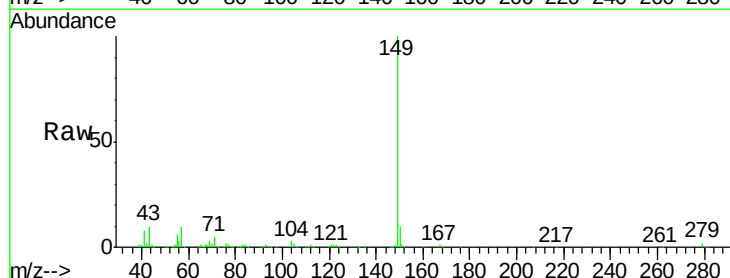
Tgt Ion:149 Resp: 443100

Ion Ratio Lower Upper

149 100

167 1.3 1.1 1.7

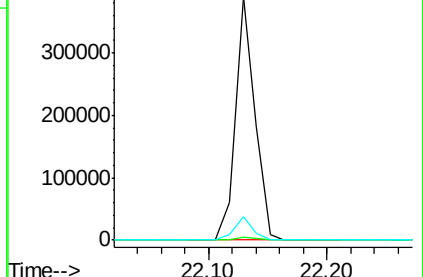
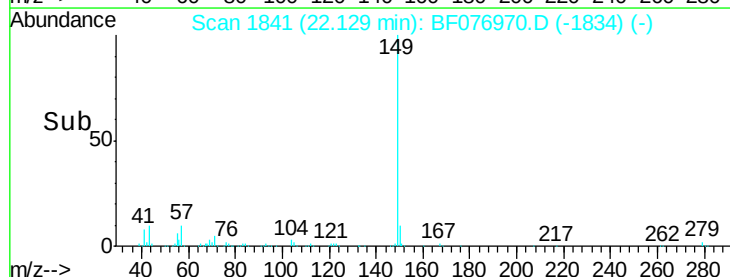
43 9.1 6.6 10.0

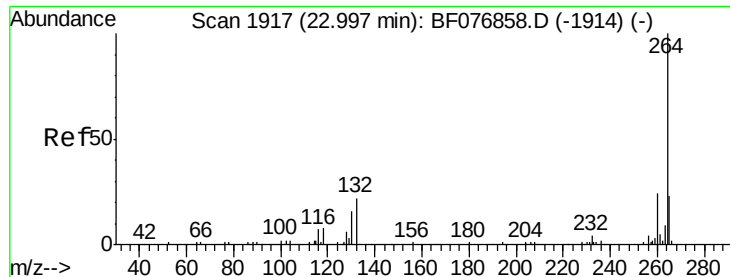


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

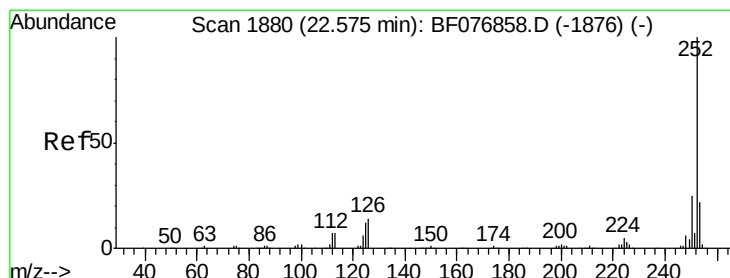
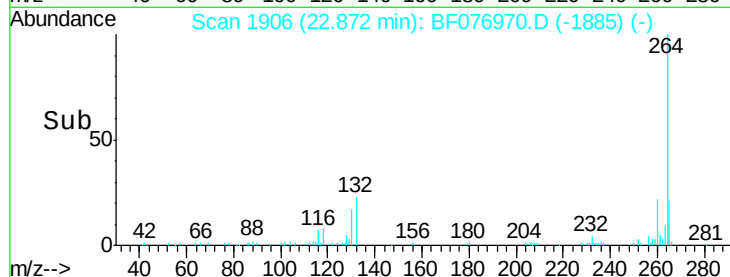
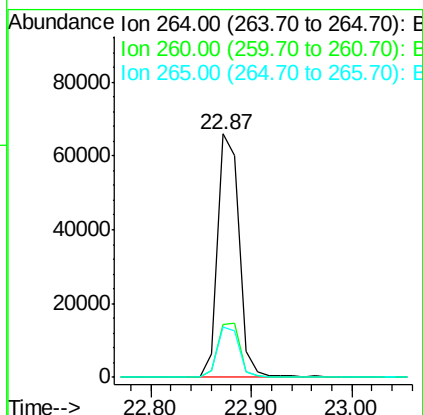
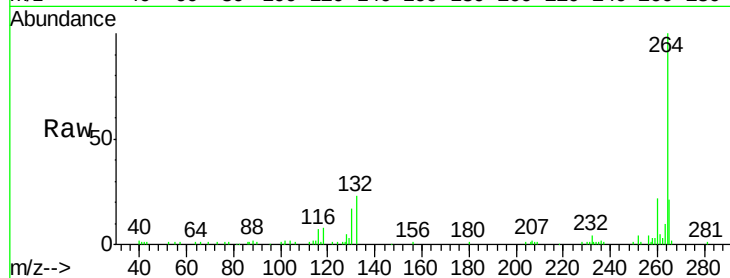




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.87 min Scan# 1906  
Delta R.T. -0.06 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

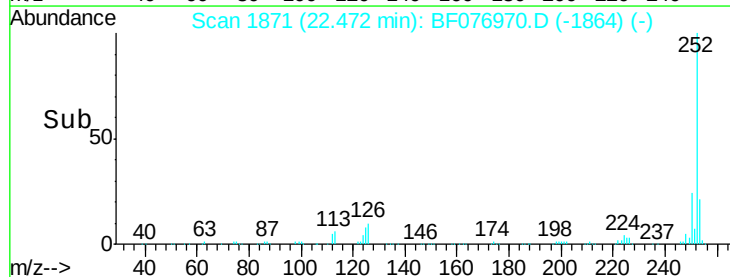
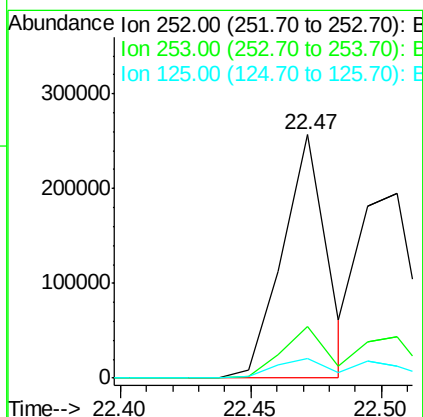
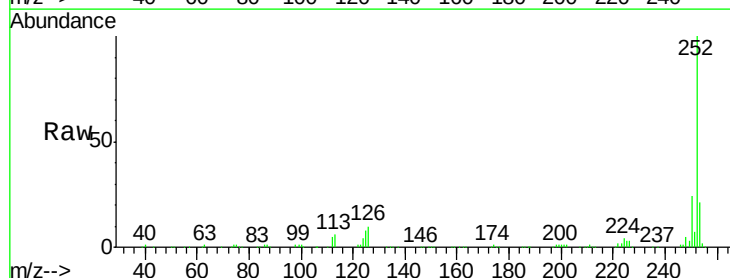
Instrument :  
BNA\_F  
ClientSampleId :

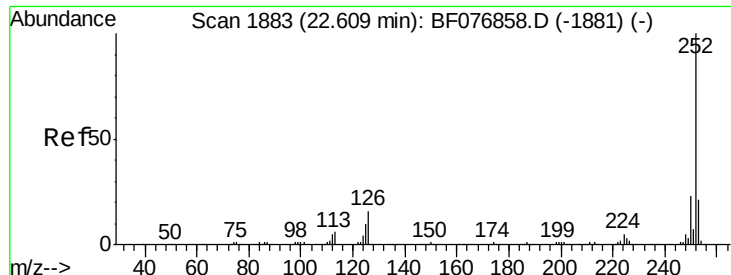
Tot Ion:264 Resp: 97863  
Ion Ratio Lower Upper  
264 100  
260 21.8 19.0 28.4  
265 20.9 18.1 27.1



#87  
Benzo(b)fluoranthene  
Concen: 45.60 ng  
RT: 22.47 min Scan# 1871  
Delta R.T. -0.02 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:252 Resp: 300579  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.5 26.3  
125 8.3 9.4 14.0#

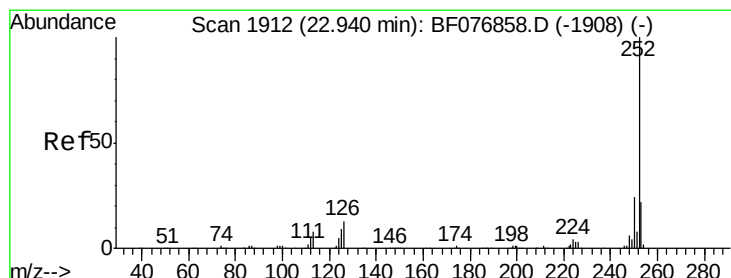
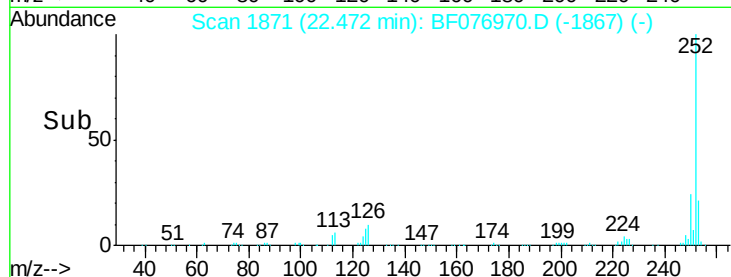
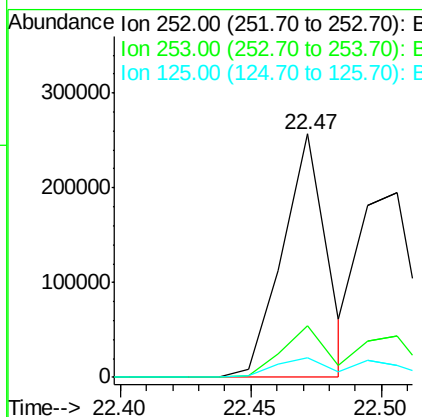
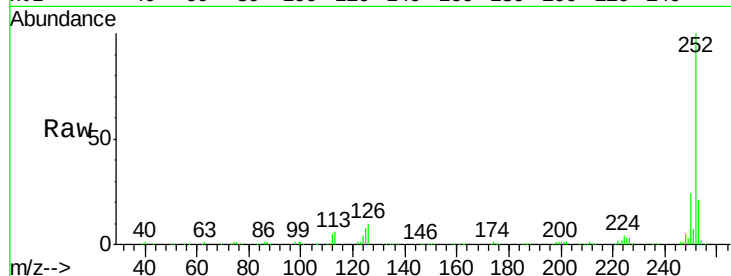




#88  
Benzo(k)fluoranthene  
Concen: 52.20 ng  
RT: 22.47 min Scan# 1871  
Delta R.T. -0.06 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

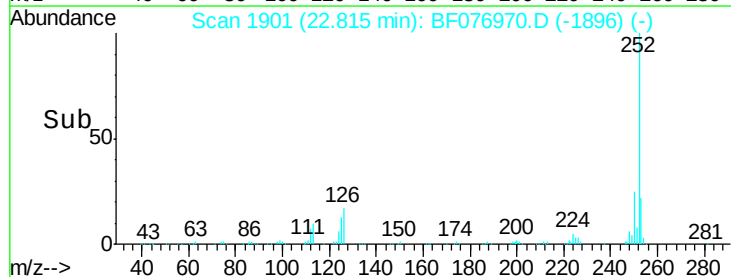
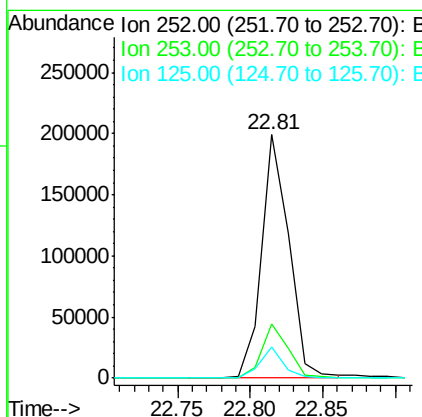
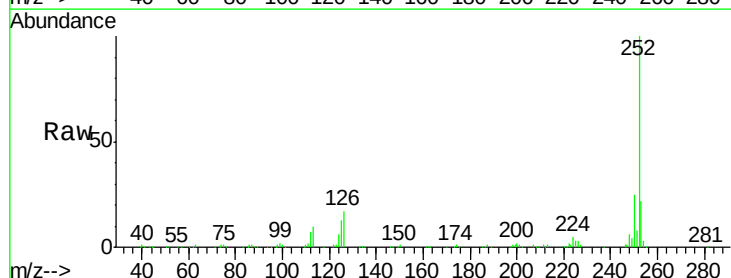
Instrument :  
BNA\_F  
ClientSampleId :

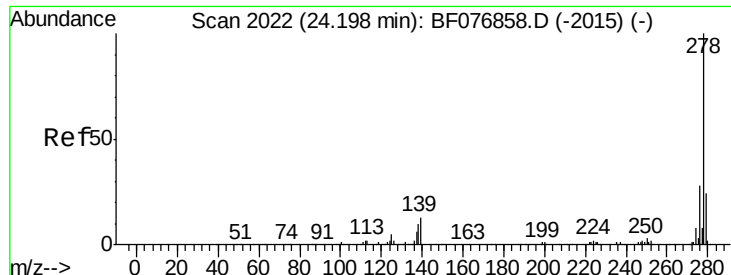
Tot Ion:252 Resp: 300579  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.2 25.8  
125 8.3 7.1 10.7



#89  
Benzo(a)pyrene  
Concen: 44.68 ng  
RT: 22.81 min Scan# 1901  
Delta R.T. -0.05 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:252 Resp: 259741  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 13.0 7.2 10.8#

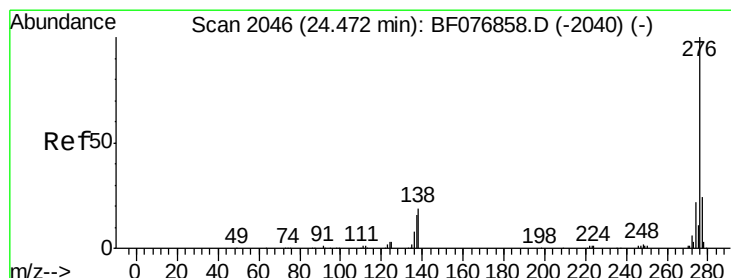
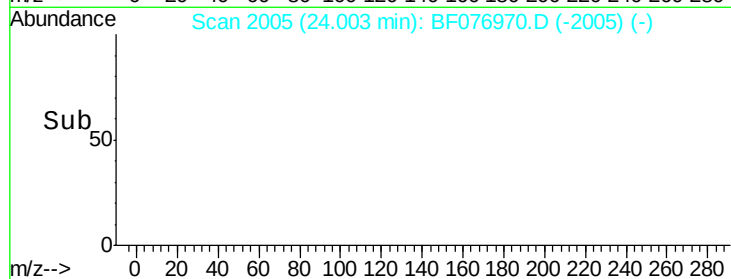
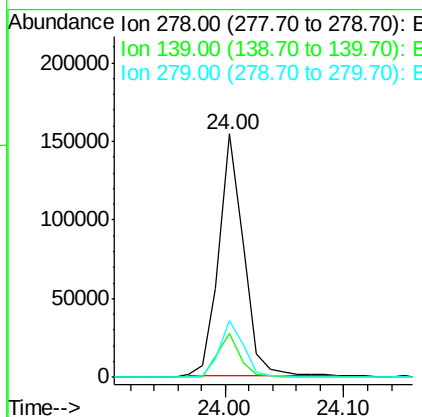
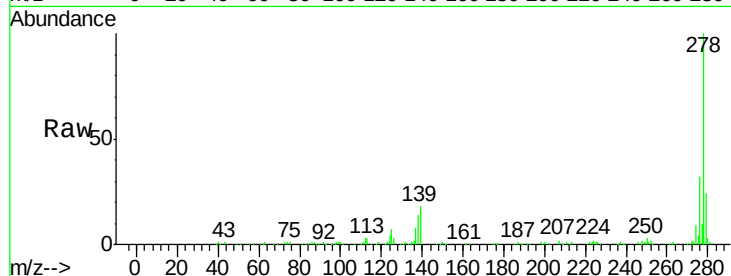




#90  
Dibenzo(a,h)anthracene  
Concen: 41.17 ng  
RT: 24.00 min Scan# 2005  
Delta R.T. -0.10 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 219629  
Ion Ratio Lower Upper  
278 100  
139 17.9 10.5 15.7#  
279 23.6 19.3 28.9



#91  
Benzo(g,h,i)perylene  
Concen: 44.63 ng  
RT: 24.27 min Scan# 2028  
Delta R.T. -0.10 min  
Lab File: BF076970.D  
Acq: 20 Jan 2015 19:37

Tgt Ion:276 Resp: 236695  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.5 29.3  
138 25.1 15.0 22.6#

