

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111615\  
 Data File : BF082943.D  
 Acq On : 16 Nov 2015 17:33  
 Operator : UM/IZ  
 Sample : PB86620BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

Quant Time: Nov 17 00:06:25 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.78  | 152  | 196084   | 20.00 | ng    | -0.07    |
| 21) Naphthalene-d8        | 8.08  | 136  | 788193   | 20.00 | ng    | -0.07    |
| 38) Acenaphthene-d10      | 9.82  | 164  | 394976   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10      | 11.31 | 188  | 777170   | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12          | 13.95 | 240  | 641370   | 20.00 | ng    | -0.07    |
| 86) Perylene-d12          | 15.36 | 264  | 606793   | 20.00 | ng    | -0.10    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 1316289 | 104.45 | ng | -0.05 |
| 7) Phenol-d6             | 6.44  | 99  | 1763324 | 105.25 | ng | -0.03 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 1236428 | 68.26  | ng | -0.06 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 479457  | 105.87 | ng | -0.06 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 1895428 | 68.78  | ng | -0.07 |
| 78) Terphenyl-d14        | 12.90 | 244 | 2023155 | 74.82  | ng | -0.07 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.40 | 88  | 170274  | 31.31 | ng | 96     |
| 3) Pyridine                    | 3.09 | 79  | 566482  | 35.90 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.04 | 42  | 246985  | 31.56 | ng | # 76   |
| 6) Aniline                     | 6.45 | 93  | 441748  | 18.78 | ng | # 2    |
| 8) 2-Chlorophenol              | 6.58 | 128 | 499075  | 35.72 | ng | 91     |
| 9) Benzaldehyde                | 6.33 | 77  | 23919   | 2.58  | ng | 82     |
| 10) Phenol                     | 6.45 | 94  | 530494  | 27.91 | ng | # 71   |
| 11) bis(2-Chloroethyl)ether    | 6.52 | 93  | 464769  | 32.69 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 537304  | 34.10 | ng | # 88   |
| 13) 1,4-Dichlorobenzene        | 6.73 | 146 | 537304  | 32.78 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 486309  | 32.62 | ng | 97     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 447854  | 30.44 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 767122  | 36.79 | ng | 59     |
| 17) 2-Methylphenol             | 7.06 | 107 | 400134  | 33.81 | ng | 97     |
| 18) Hexachloroethane           | 7.30 | 117 | 189334  | 32.29 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 374252  | 30.39 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 538863  | 35.03 | ng | # 60   |
| 22) Acetophenone               | 7.20 | 105 | 708081  | 31.35 | ng | # 98   |
| 24) Nitrobenzene               | 7.37 | 77  | 536778  | 28.98 | ng | # 89   |
| 25) Isophorone                 | 7.62 | 82  | 1079364 | 32.20 | ng | 96     |
| 26) 2-Nitrophenol              | 7.69 | 139 | 244179  | 31.58 | ng | # 76   |
| 27) 2,4-Dimethylphenol         | 7.74 | 122 | 471573  | 33.94 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 631784  | 33.42 | ng | # 97   |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 420978  | 33.53 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 456758  | 32.35 | ng | 96     |
| 31) Naphthalene                | 8.10 | 128 | 1430513 | 32.90 | ng | 98     |
| 32) Benzoic acid               | 7.87 | 122 | 297448  | 31.27 | ng | 88     |
| 33) 4-Chloroaniline            | 8.14 | 127 | 254268  | 13.57 | ng | # 91   |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 283367  | 32.07 | ng | 98     |
| 35) Caprolactam                | 8.52 | 113 | 102886  | 25.99 | ng | # 82   |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 457776  | 31.00 | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.78 | 142 | 875934  | 31.14 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 410119  | 31.60 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 8.94 | 237 | 493271  | 70.74 | ng | 100    |

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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

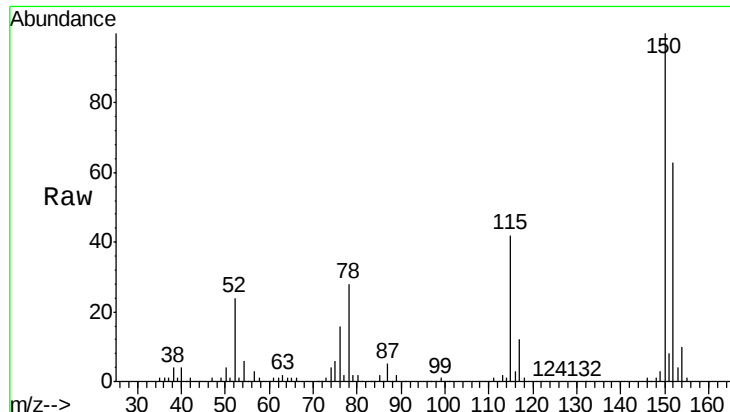
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

Quant Time: Nov 17 00:06:25 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 301643   | 31.13 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.07  | 196  | 301643   | 31.48 | ng #  | 92       |
| 45) 1,1'-Biphenyl              | 9.25  | 154  | 1108899  | 32.72 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 888531   | 33.61 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 325611   | 33.20 | ng    | 91       |
| 48) Acenaphthylene             | 9.69  | 152  | 1340221  | 32.35 | ng    | 99       |
| 49) Dimethylphthalate          | 9.56  | 163  | 1122506  | 34.69 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.62  | 165  | 257840   | 37.34 | ng #  | 84       |
| 51) Acenaphthene               | 9.86  | 154  | 958670   | 36.51 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.78  | 138  | 124285   | 16.37 | ng    | 91       |
| 53) 2,4-Dinitrophenol          | 9.89  | 184  | 285026   | 75.18 | ng #  | 19       |
| 54) Dibenzofuran               | 10.03 | 168  | 1232561  | 34.81 | ng    | 94       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 405417   | 69.59 | ng    | 88       |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 302598   | 32.30 | ng    | 98       |
| 57) Fluorene                   | 10.37 | 166  | 905247   | 31.57 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 261511   | 33.44 | ng    | 90       |
| 59) Diethylphthalate           | 10.26 | 149  | 1046172  | 33.11 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 509616   | 35.52 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 230951   | 30.24 | ng #  | 82       |
| 62) Azobenzene                 | 10.53 | 77   | 1334502  | 39.32 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.43 | 198  | 192882   | 34.84 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 10.49 | 169  | 845960   | 30.13 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.85 | 248  | 291875   | 31.19 | ng #  | 70       |
| 67) Hexachlorobenzene          | 10.92 | 284  | 307577   | 29.44 | ng #  | 88       |
| 68) Atrazine                   | 11.02 | 200  | 310526   | 35.77 | ng    | 97       |
| 69) Pentachlorophenol          | 11.13 | 266  | 376881   | 59.40 | ng    | 99       |
| 70) Phenanthrene               | 11.33 | 178  | 1426702  | 31.61 | ng    | 99       |
| 71) Anthracene                 | 11.39 | 178  | 1620724  | 34.09 | ng    | 98       |
| 72) Carbazole                  | 11.54 | 167  | 1283012  | 30.83 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.88 | 149  | 1735392  | 33.47 | ng    | 98       |
| 74) Fluoranthene               | 12.52 | 202  | 1633422  | 33.73 | ng    | 98       |
| 76) Benzidine                  | 12.64 | 184  | 510100   | 23.73 | ng    | 99       |
| 77) Pyrene                     | 12.75 | 202  | 1702832  | 38.66 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.37 | 149  | 748300   | 38.46 | ng    | 92       |
| 80) Benzo(a)anthracene         | 13.93 | 228  | 1434451  | 35.77 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 355209   | 24.91 | ng #  | 95       |
| 82) Chrysene                   | 13.97 | 228  | 1410987  | 38.41 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 989073   | 37.14 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.56 | 149  | 1654692  | 37.25 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.72 | 276  | 1167262  | 36.90 | ng #  | 95       |
| 87) Benzo(b)fluoranthene       | 14.99 | 252  | 2417952  | 62.08 | ng #  | 96       |
| 88) Benzo(k)fluoranthene       | 14.99 | 252  | 2418392  | 69.99 | ng #  | 96       |
| 89) Benzo(a)pyrene             | 15.31 | 252  | 1203180  | 35.66 | ng #  | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.74 | 278  | 972909   | 34.05 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.13 | 276  | 957299   | 34.98 | ng #  | 96       |

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

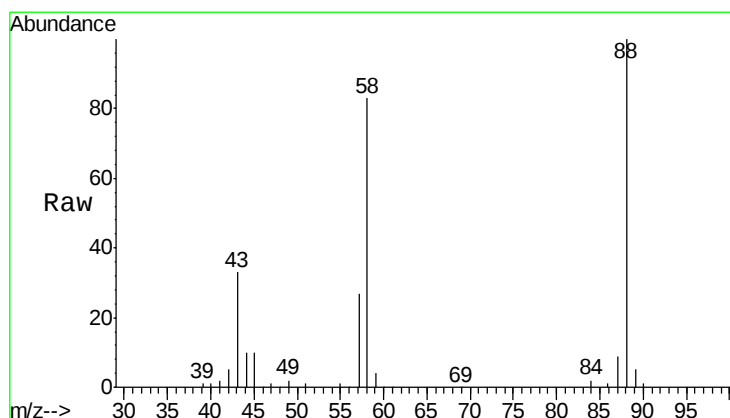
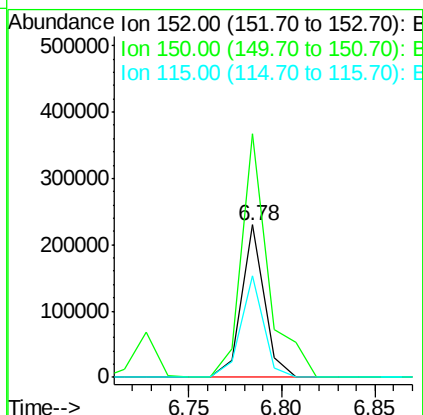
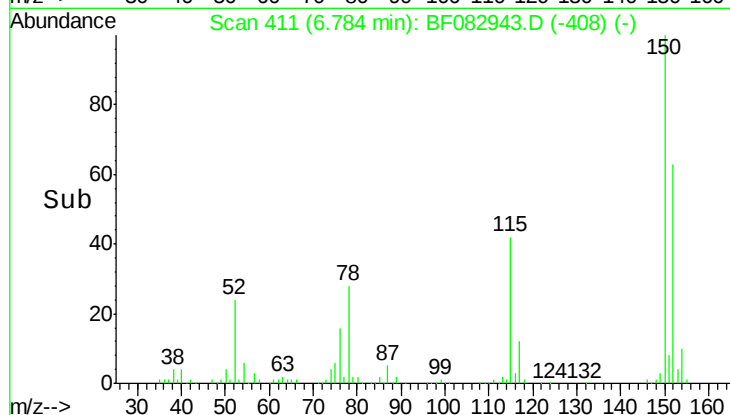




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.78 min Scan# 411  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

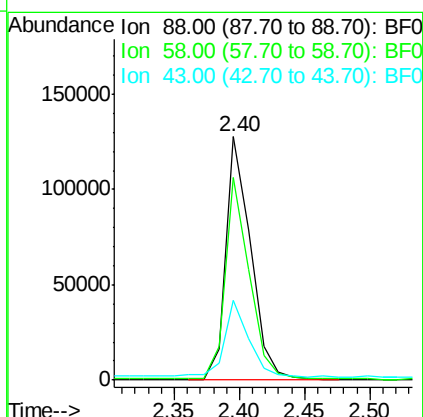
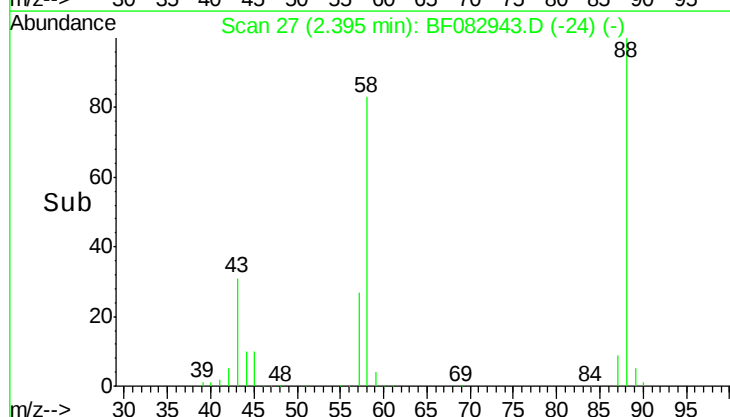
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

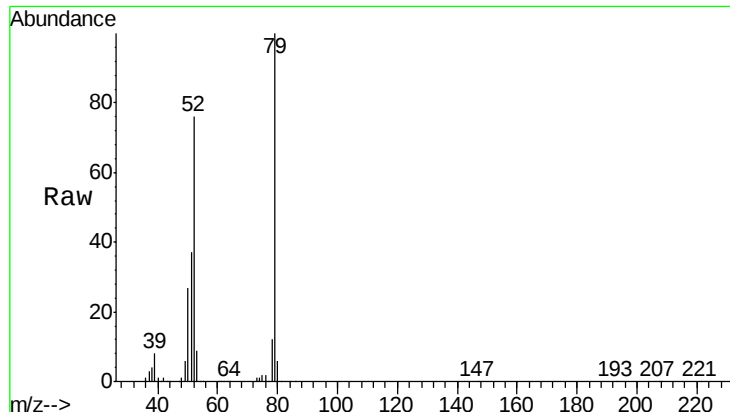
Tgt Ion: 152 Resp: 196084  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 127.0 190.4  
 115 66.9 47.0 70.6



#2  
 1,4-Dioxane  
 Concen: 31.31 ng  
 RT: 2.40 min Scan# 27  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 88 Resp: 170274  
 Ion Ratio Lower Upper  
 88 100  
 58 79.8 62.0 93.0  
 43 29.9 26.6 40.0

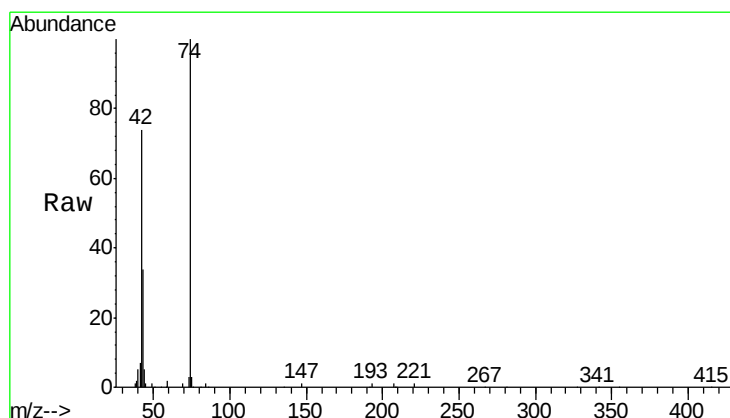
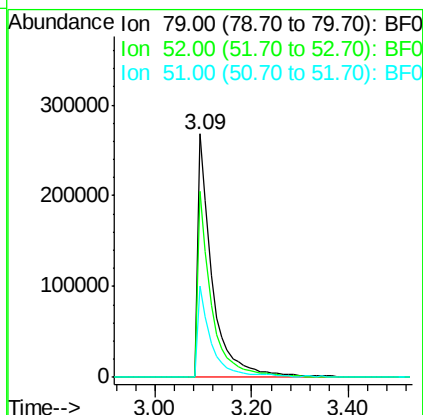
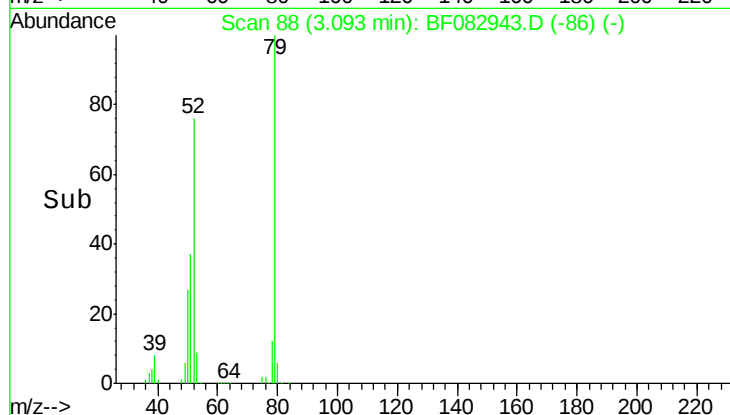




#3  
 Pyridine  
 Concen: 35.90 ng  
 RT: 3.09 min Scan# 88  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

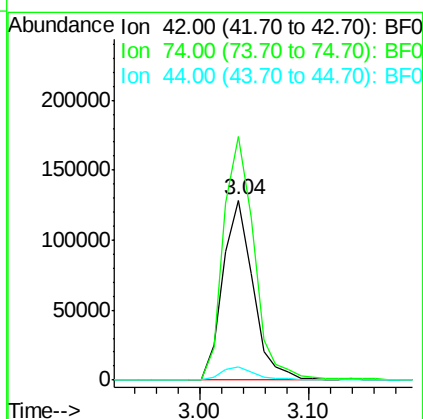
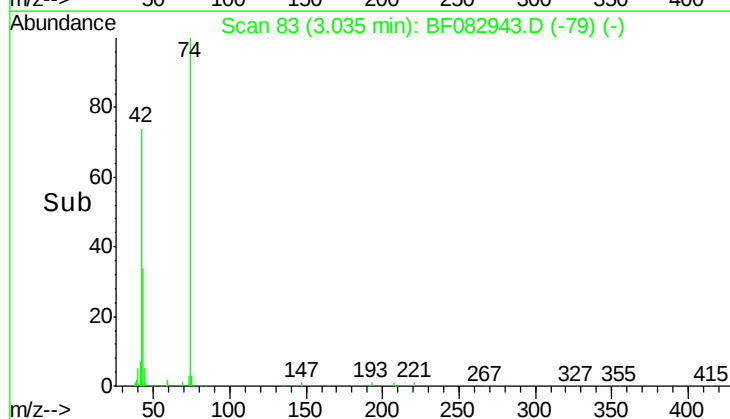
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 BNA\_F  
 ClientSampleId :  
 PB86620BS

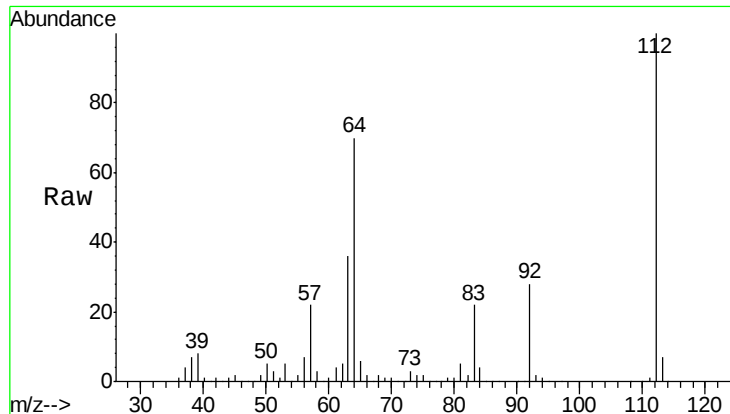
Tgt Ion: 79 Resp: 566482  
 Ion Ratio Lower Upper  
 79 100  
 52 76.3 62.8 94.2  
 51 37.3 32.0 48.0



#4  
 n-Nitrosodimethylamine  
 Concen: 31.56 ng  
 RT: 3.04 min Scan# 83  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 42 Resp: 246985  
 Ion Ratio Lower Upper  
 42 100  
 74 135.3 87.0 130.4#  
 44 7.1 5.8 8.8

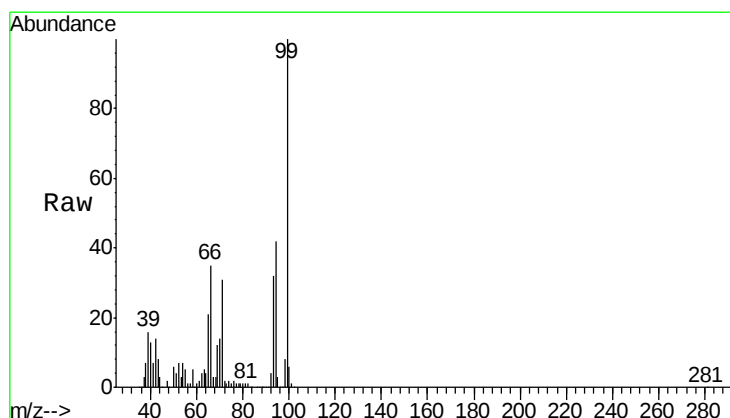
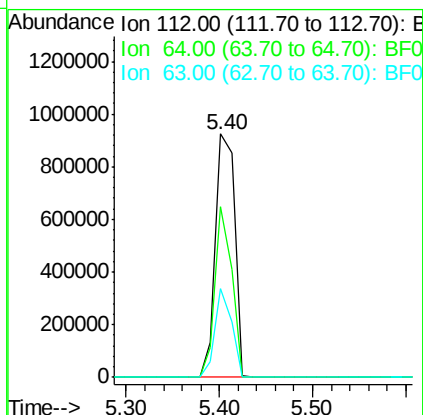
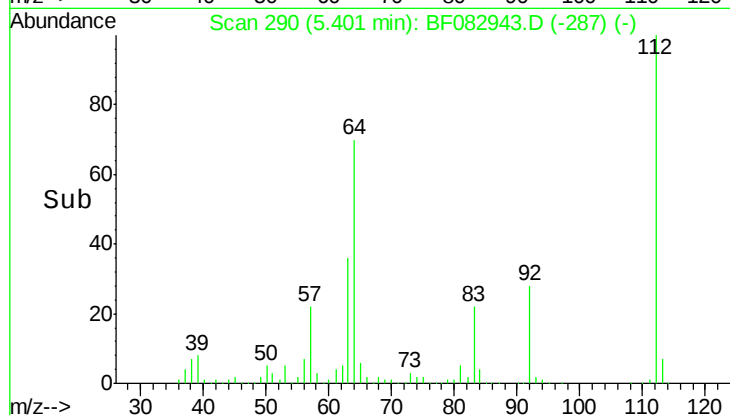




#5  
 2-Fluorophenol  
 Concen: 104.45 ng  
 RT: 5.40 min Scan# 290  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

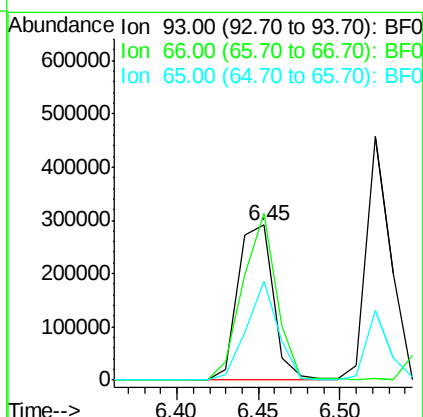
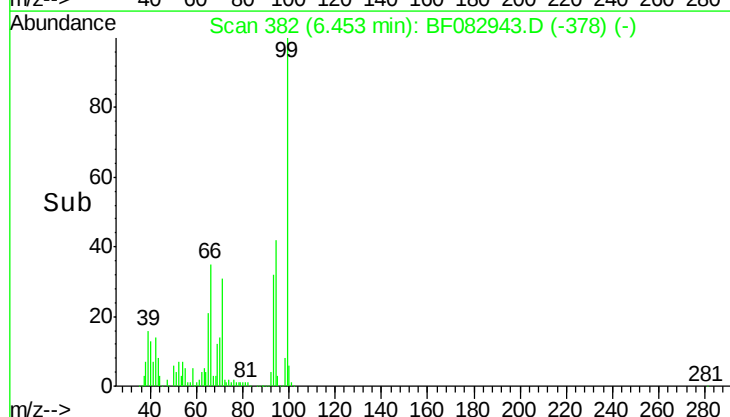
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 ClientSampleId :  
 PB86620BS

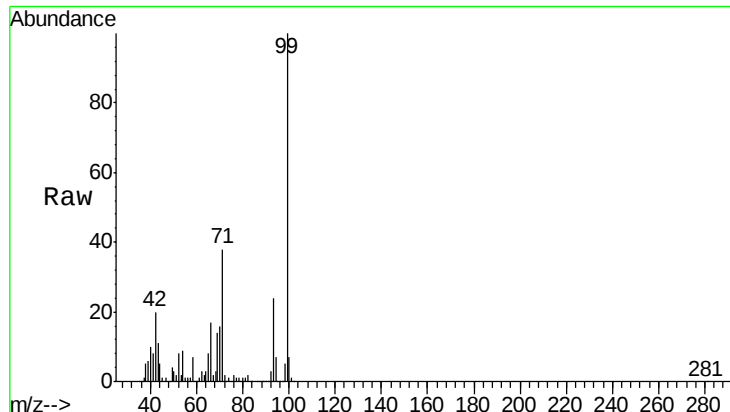
Tgt Ion:112 Resp: 1316289  
 Ion Ratio Lower Upper  
 112 100  
 64 70.2 48.9 73.3  
 63 36.4 28.1 42.1



#6  
 Aniline  
 Concen: 18.78 ng  
 RT: 6.45 min Scan# 382  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 93 Resp: 441748  
 Ion Ratio Lower Upper  
 93 100  
 66 107.8 33.6 50.4#  
 65 64.0 18.1 27.1#





#7

Phenol-d6

Concen: 105.25 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

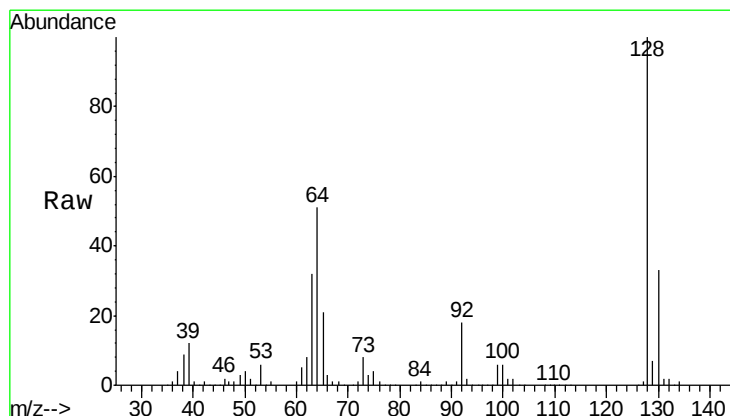
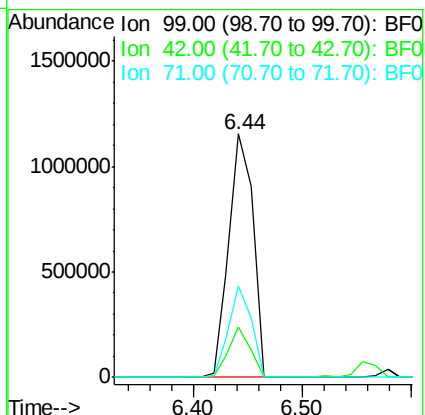
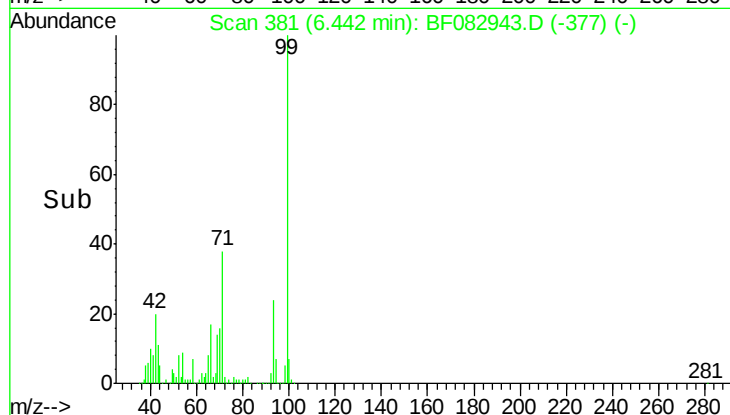
Tgt Ion: 99 Resp: 1763324

Ion Ratio Lower Upper

99 100

42 20.5 19.2 28.8

71 37.7 35.0 52.4



#8

2-Chlorophenol

Concen: 35.72 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

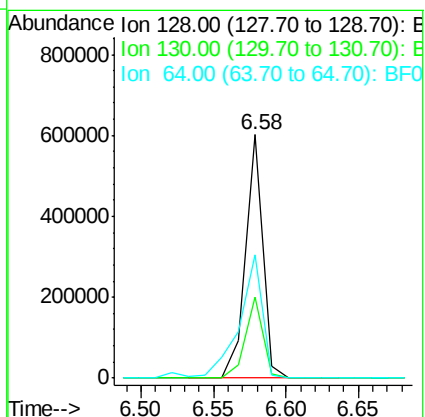
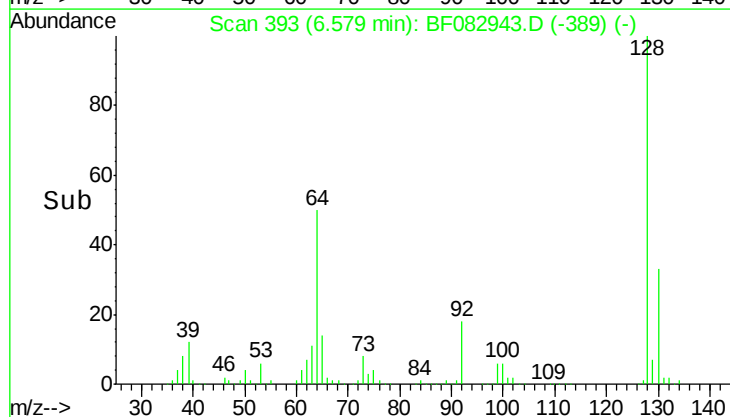
Tgt Ion:128 Resp: 499075

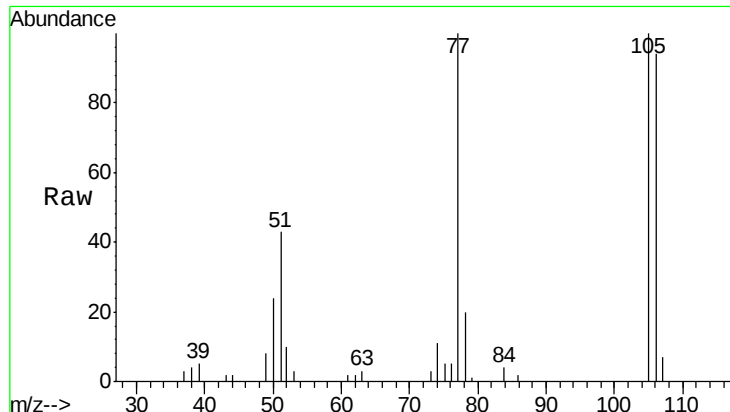
Ion Ratio Lower Upper

128 100

130 33.3 13.5 53.5

64 50.8 21.1 61.1

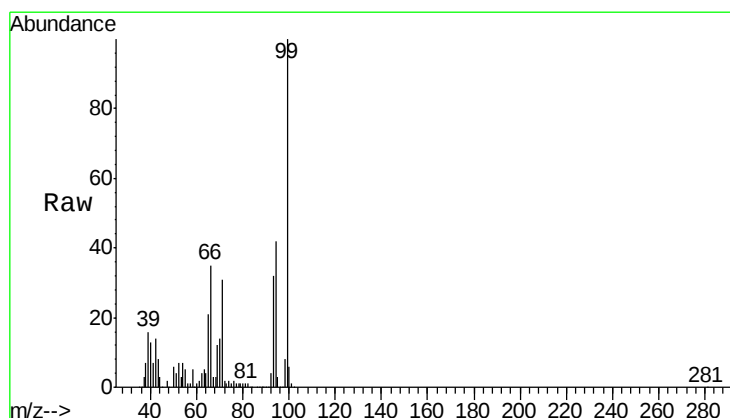
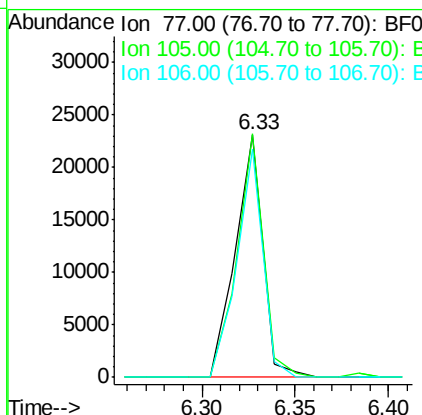
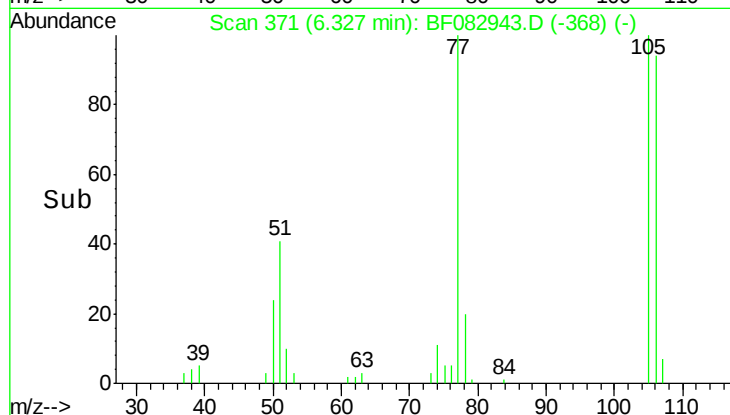




#9  
Benzaldehyde  
Concen: 2.58 ng  
RT: 6.33 min Scan# 371  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

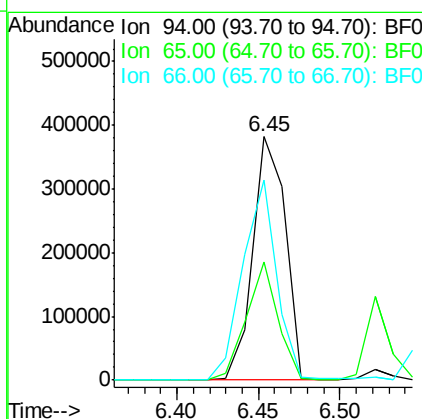
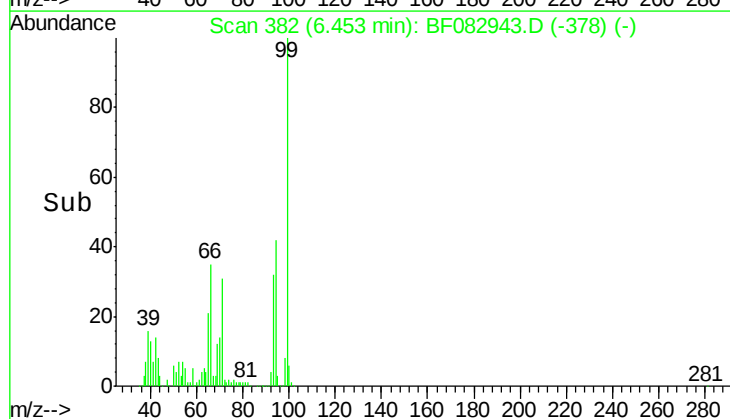
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 100.3 | 63.5  | 103.5 |
| 106     | 93.8  | 59.3  | 99.3  |

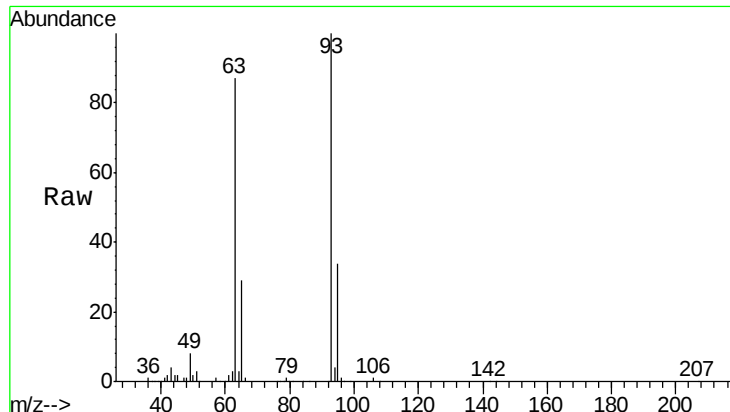
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS



#10  
Phenol  
Concen: 27.91 ng  
RT: 6.45 min Scan# 382  
Delta R.T. -0.03 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 48.7  | 18.9  | 58.9  |
| 66      | 82.1  | 34.9  | 74.9  |

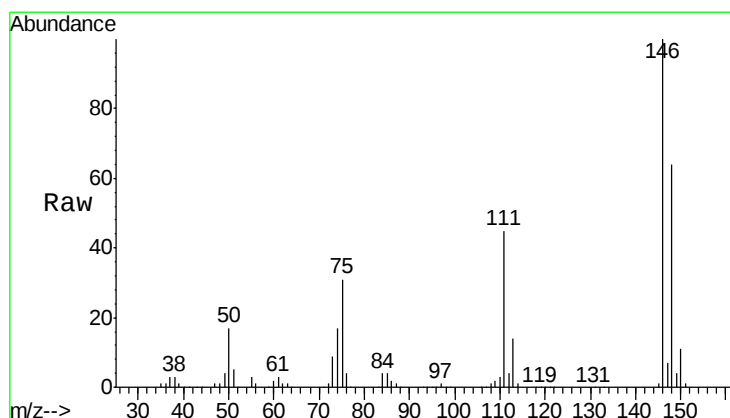
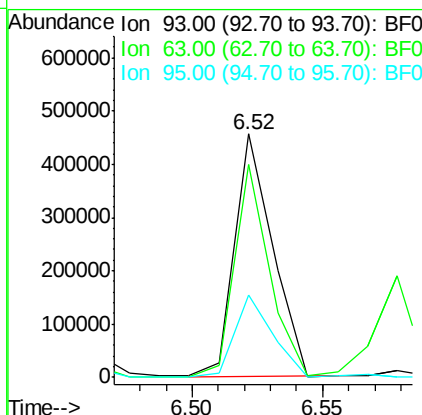
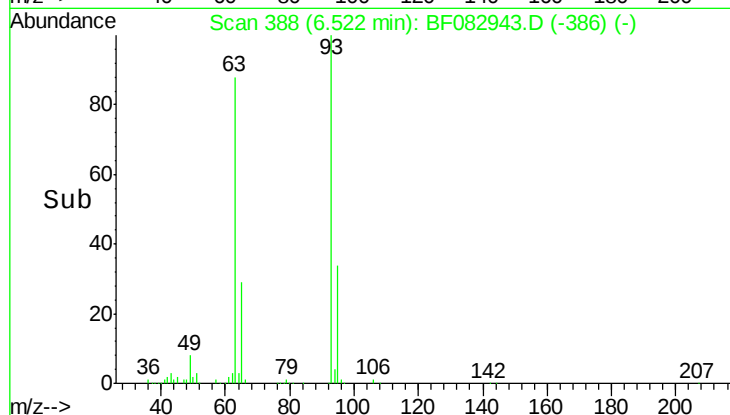




#11  
 bis(2-Chloroethyl)ether  
 Concen: 32.69 ng  
 RT: 6.52 min Scan# 388  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

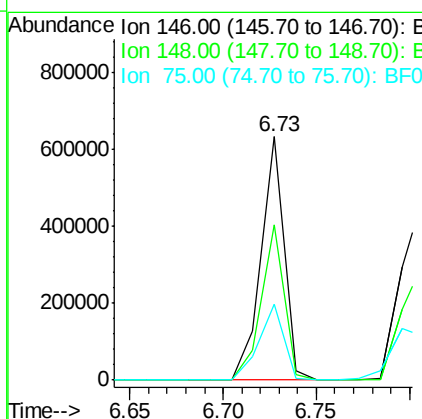
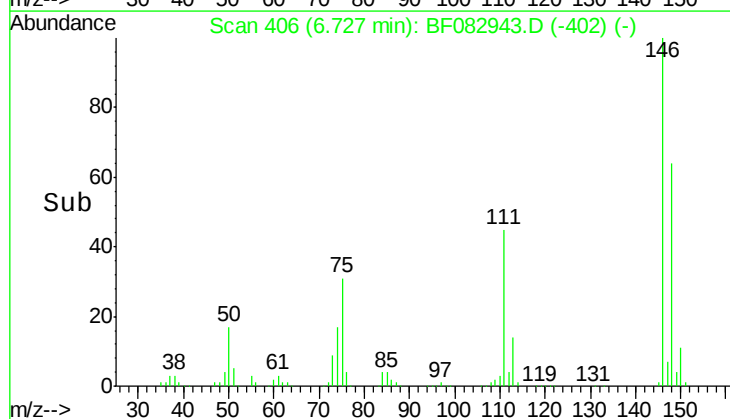
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

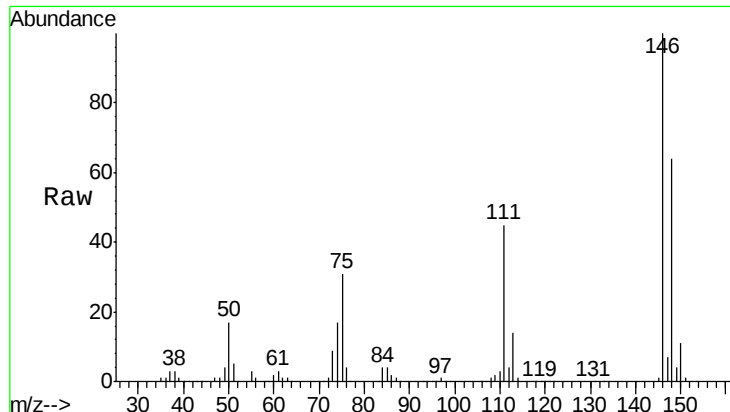
Tgt Ion: 93 Resp: 464769  
 Ion Ratio Lower Upper  
 93 100  
 63 87.4 72.7 112.7  
 95 33.7 12.0 52.0



#12  
 1,3-Dichlorobenzene  
 Concen: 34.10 ng  
 RT: 6.73 min Scan# 406  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 146 Resp: 537304  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 50.5 75.7  
 75 31.2 39.5 59.3#

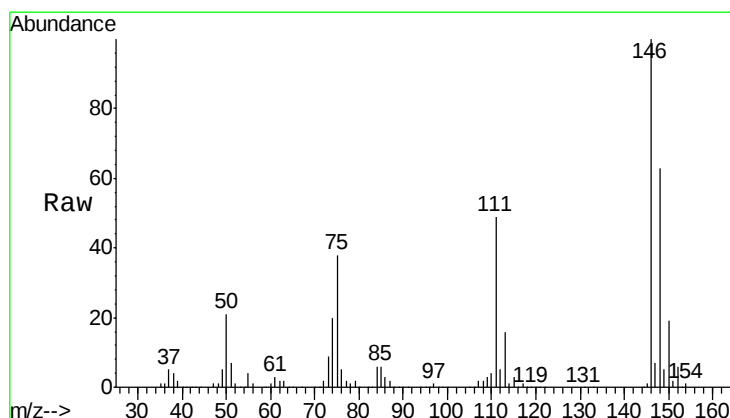
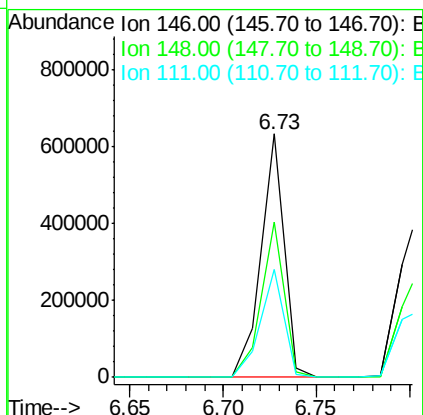
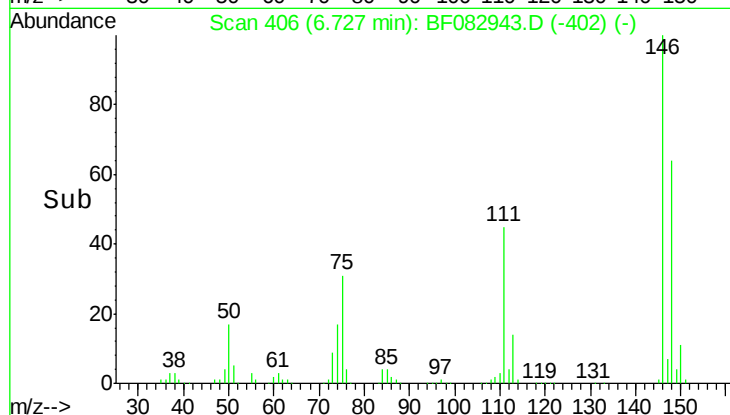




#13  
 1,4-Dichlorobenzene  
 Concen: 32.78 ng  
 RT: 6.73 min Scan# 406  
 Delta R.T. -0.14 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

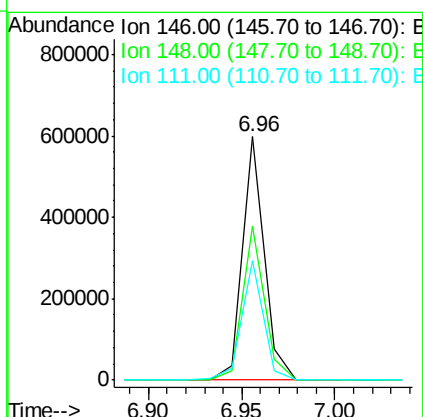
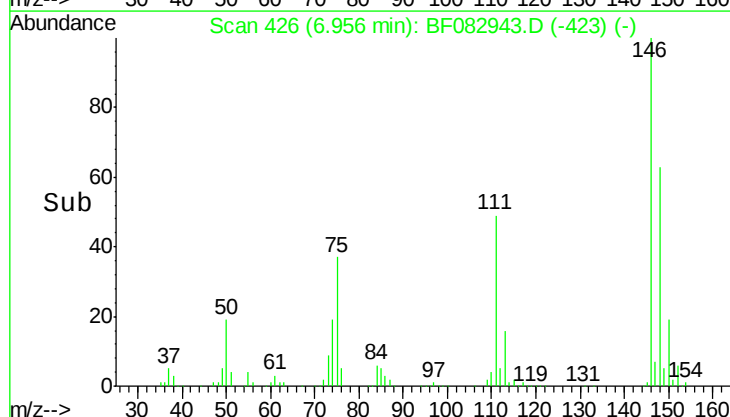
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

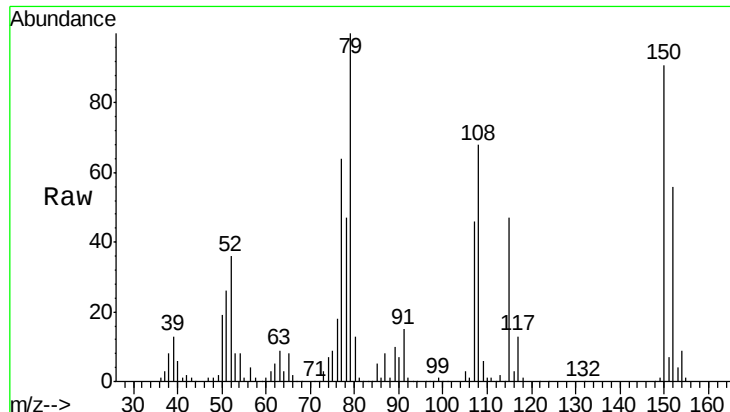
Tgt Ion:146 Resp: 537304  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 50.8 76.2  
 111 44.6 40.6 60.8



#14  
 1,2-Dichlorobenzene  
 Concen: 32.62 ng  
 RT: 6.96 min Scan# 426  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:146 Resp: 486309  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 52.2 78.4  
 111 48.9 36.6 55.0

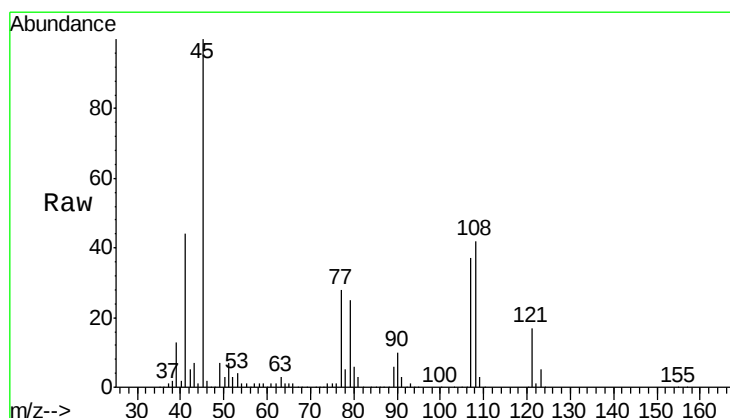
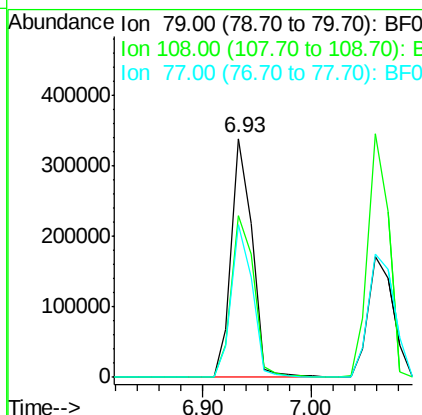
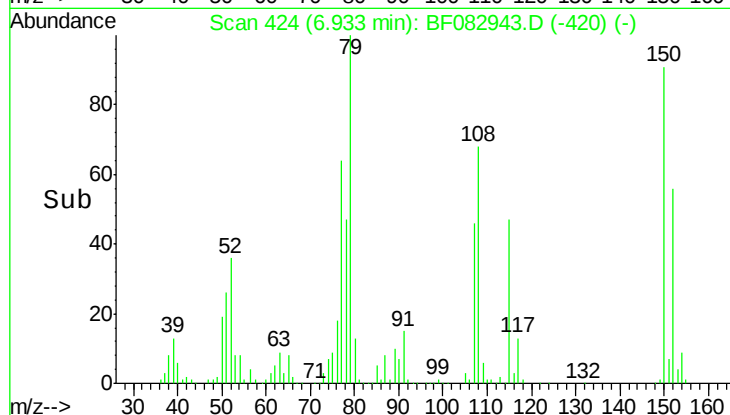




#15  
Benzyl Alcohol  
Concen: 30.44 ng  
RT: 6.93 min Scan# 424  
Delta R.T. -0.06 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

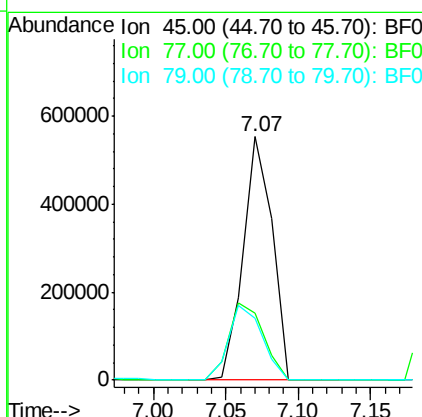
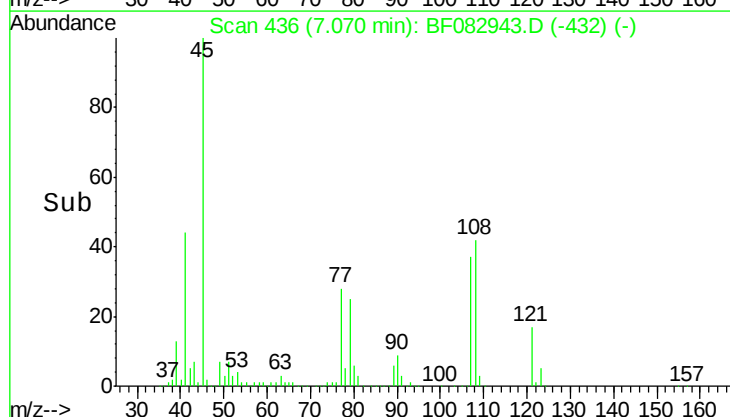
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS

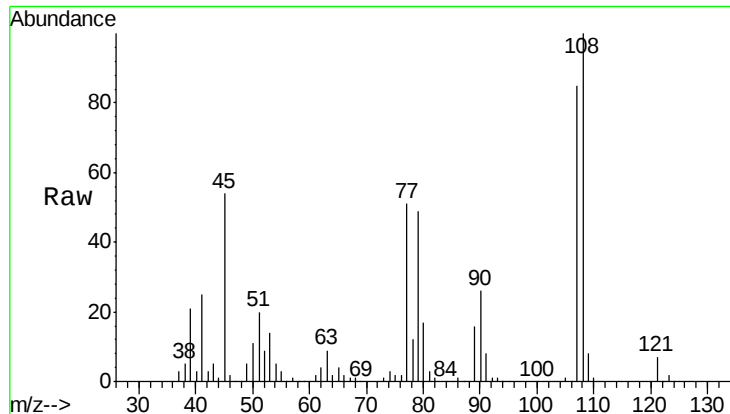
Tgt Ion: 79 Resp: 447854  
Ion Ratio Lower Upper  
79 100  
108 68.0 52.2 78.4  
77 64.0 52.7 79.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.79 ng  
RT: 7.07 min Scan# 436  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

Tgt Ion: 45 Resp: 767122  
Ion Ratio Lower Upper  
45 100  
77 27.8 0.0 32.6  
79 25.3 0.0 29.2

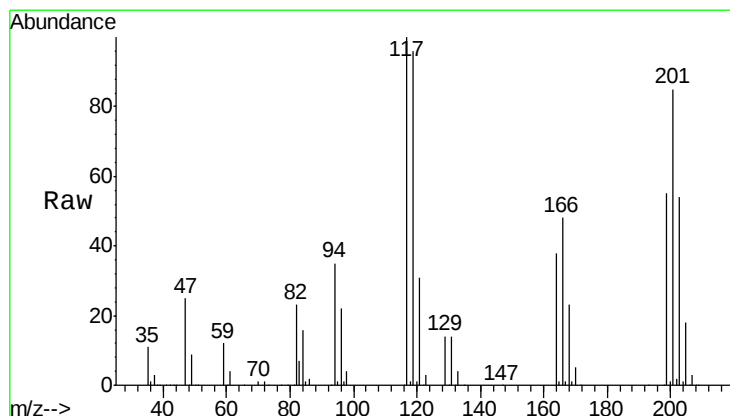
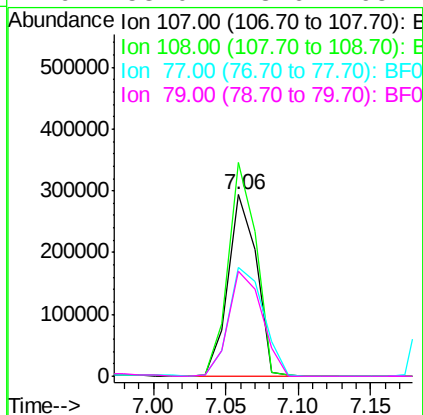
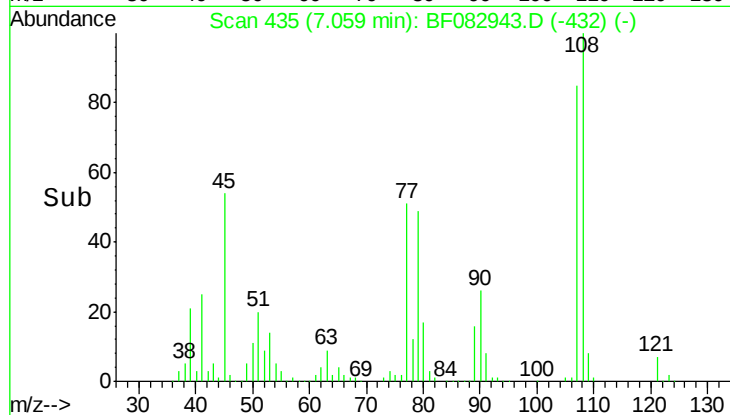




#17  
 2-Methylphenol  
 Concen: 33.81 ng  
 RT: 7.06 min Scan# 435  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

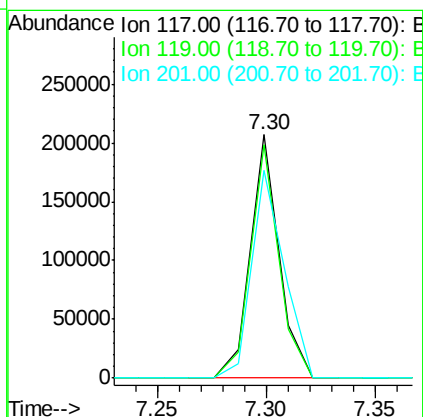
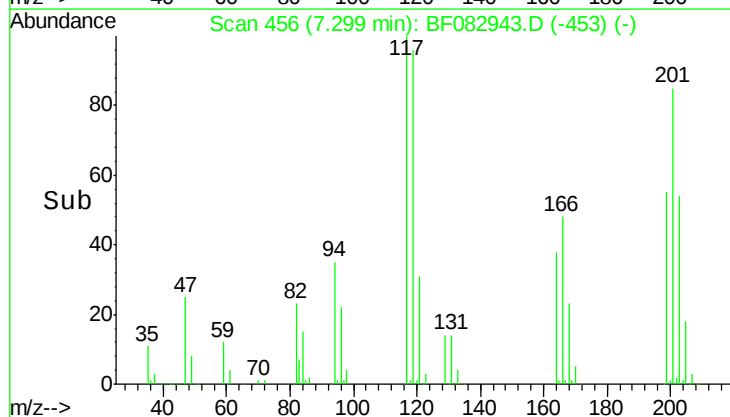
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

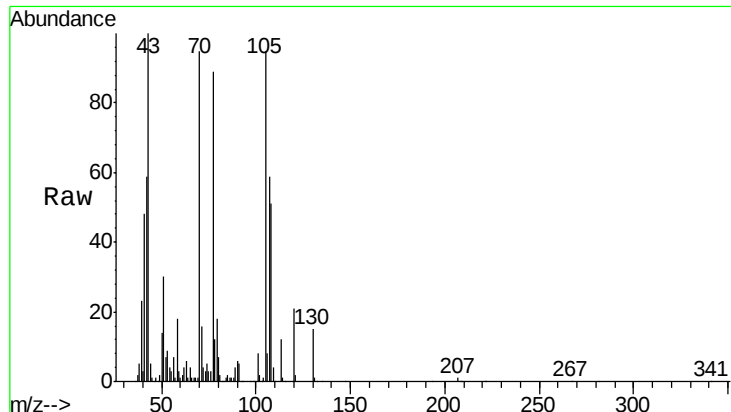
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 400134 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 117.5 | 93.0  | 139.4  |
| 77       | 59.7  | 44.1  | 66.1   |
| 79       | 58.0  | 43.6  | 65.4   |



#18  
 Hexachloroethane  
 Concen: 32.29 ng  
 RT: 7.30 min Scan# 456  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 189334 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.1  | 77.7  | 116.5  |
| 201      | 85.1  | 66.7  | 100.1  |

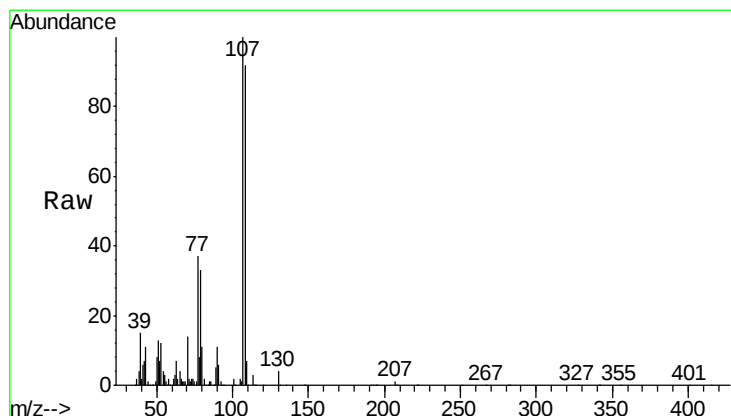
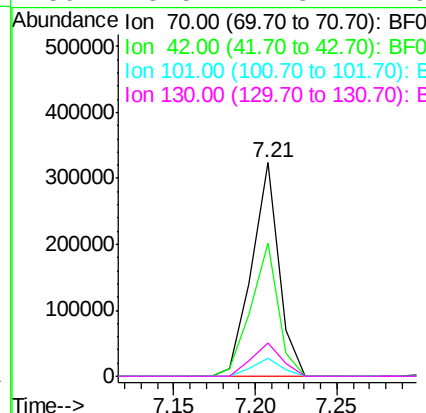
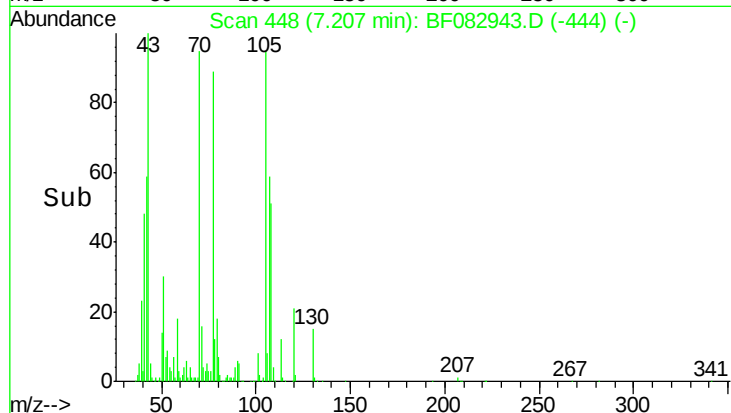




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 30.39 ng  
 RT: 7.21 min Scan# 448  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

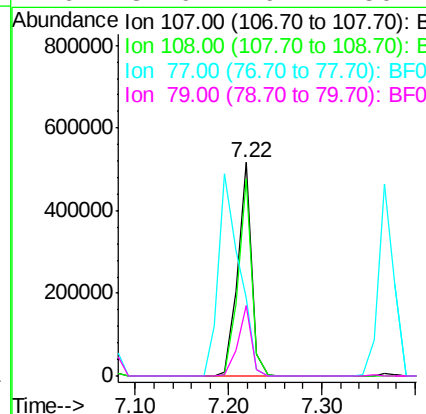
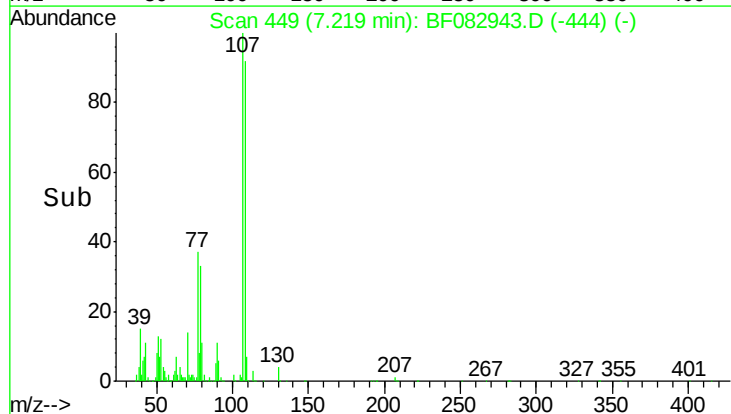
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

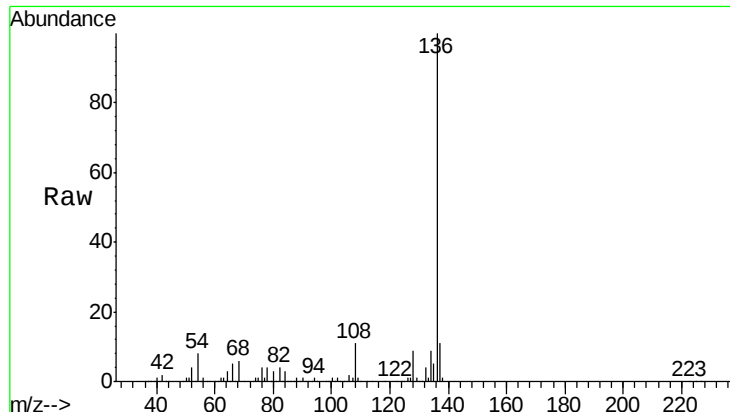
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 374252 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 62.3  | 57.7  | 86.5   |
| 101      | 8.6   | 7.0   | 10.6   |
| 130      | 15.5  | 11.8  | 17.6   |



#20  
 3+4-Methylphenols  
 Concen: 35.03 ng  
 RT: 7.22 min Scan# 449  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 538863 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.3  | 67.3  | 107.3  |
| 77       | 36.7  | 100.3 | 140.3# |
| 79       | 32.9  | 16.2  | 56.2   |

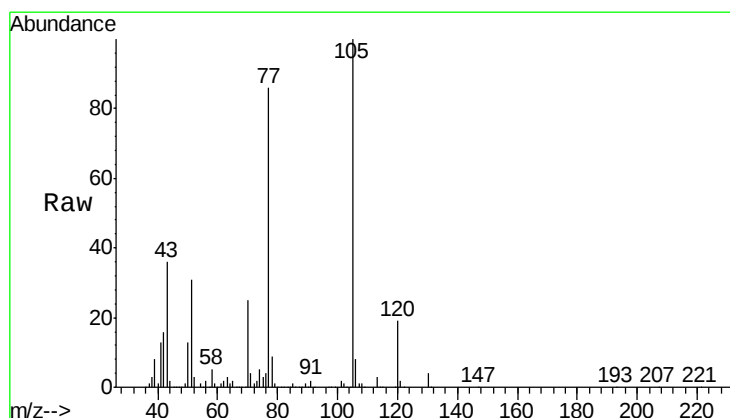
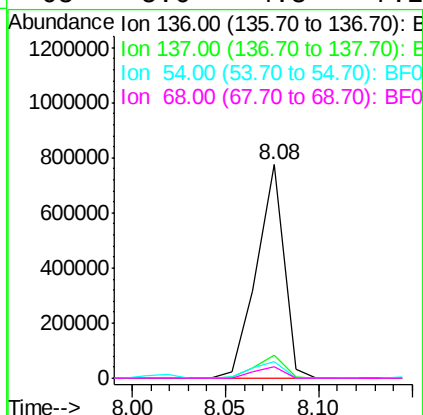
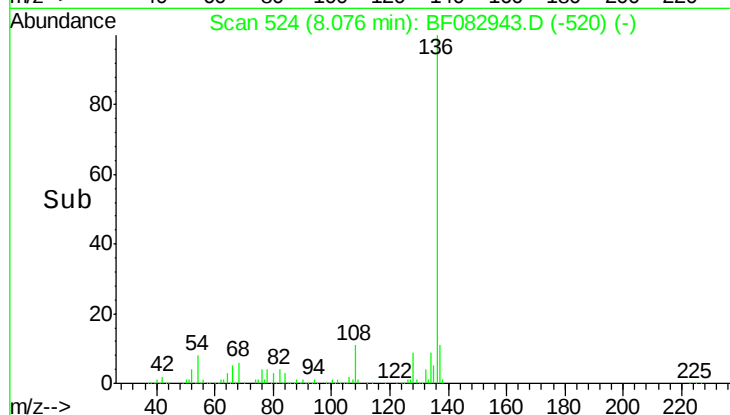




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

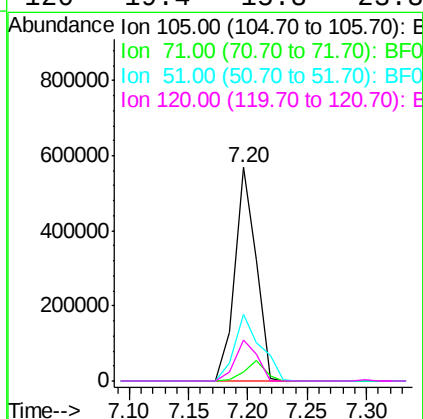
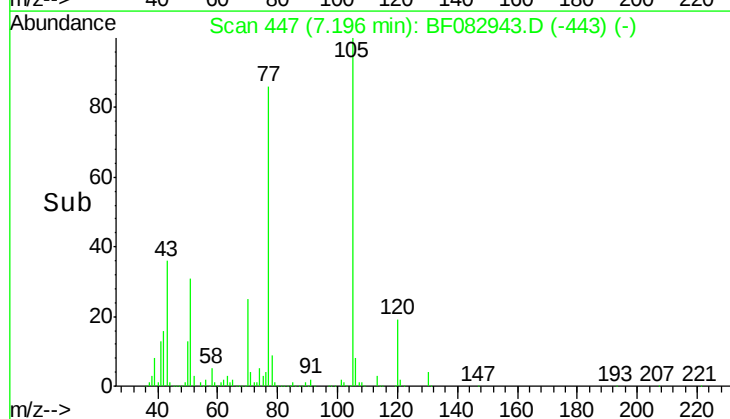
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS

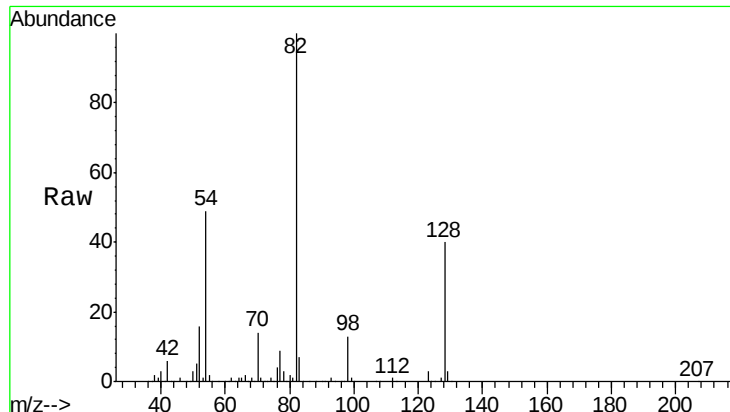
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 788193 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.1   | 13.7   |
| 54       | 7.8   | 9.1   | 13.7#  |
| 68       | 5.6   | 4.8   | 7.2    |



#22  
Acetophenone  
Concen: 31.35 ng  
RT: 7.20 min Scan# 447  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 708081 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 4.0   | 5.6   | 8.4#   |
| 51       | 31.3  | 24.9  | 37.3   |
| 120      | 19.4  | 15.8  | 23.8   |



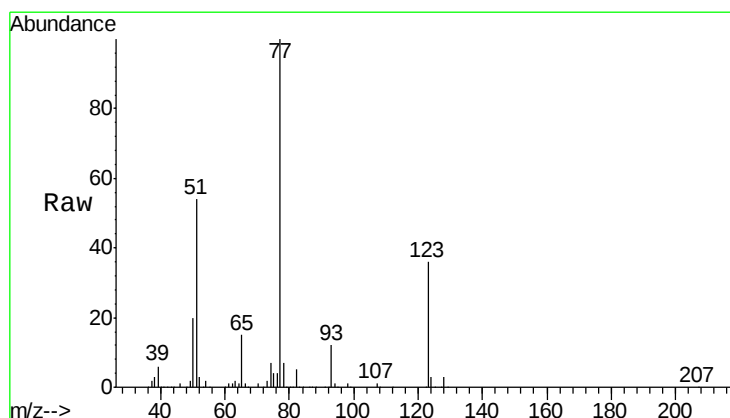
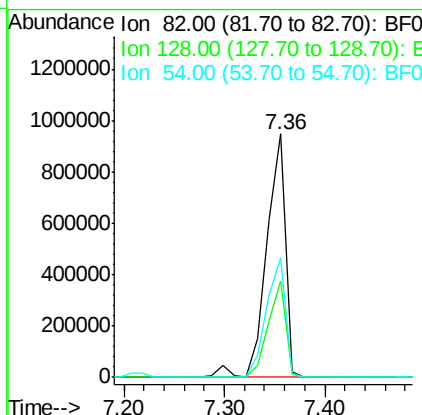
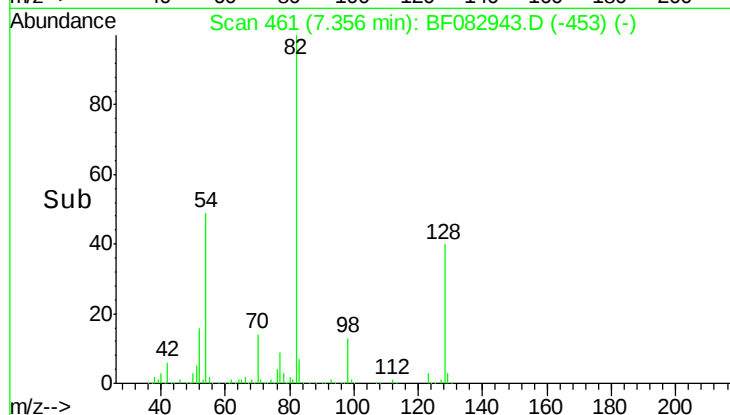


#23  
 Nitrobenzene-d5  
 Concen: 68.26 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

Tgt Ion: 82 Resp: 1236428  

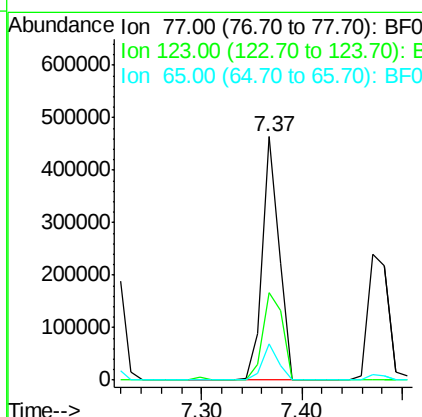
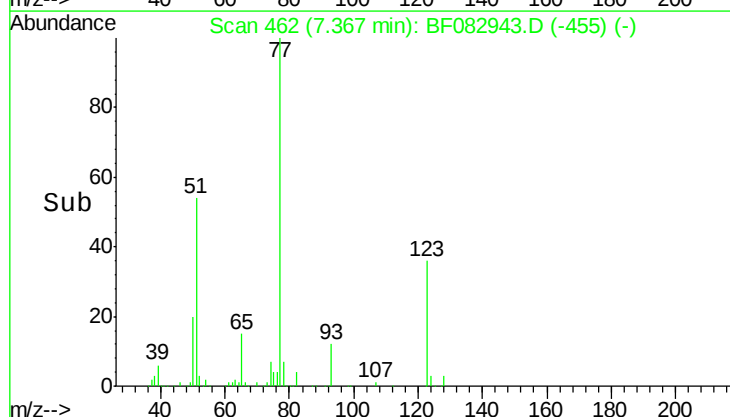
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 39.6  | 26.8  | 40.2  |
| 54  | 49.1  | 45.7  | 68.5  |

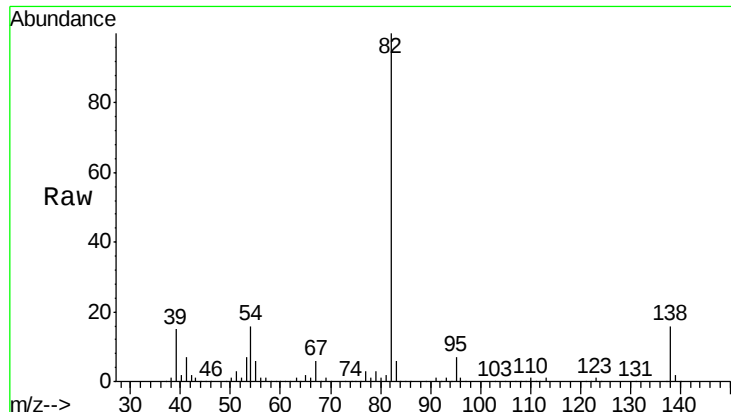


#24  
 Nitrobenzene  
 Concen: 28.98 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 77 Resp: 536778  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 35.7  | 36.4  | 54.6# |
| 65  | 14.6  | 11.5  | 17.3  |





#25

Isophorone

Concen: 32.20 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

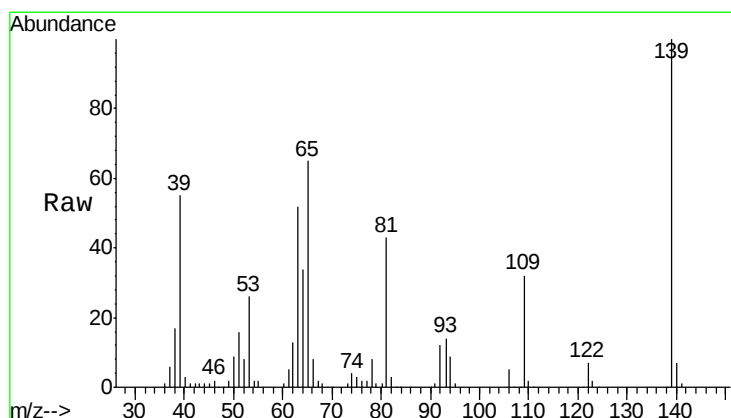
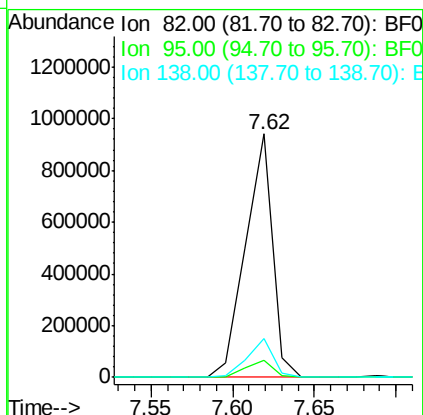
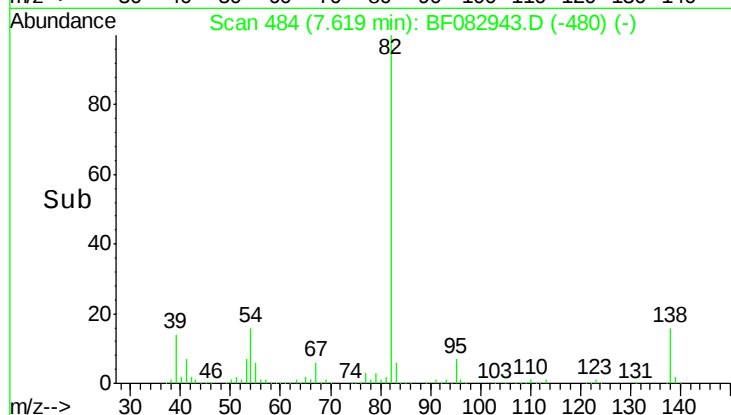
Tgt Ion: 82 Resp: 1079364

Ion Ratio Lower Upper

82 100

95 7.1 6.6 9.8

138 15.8 11.4 17.0



#26

2-Nitrophenol

Concen: 31.58 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

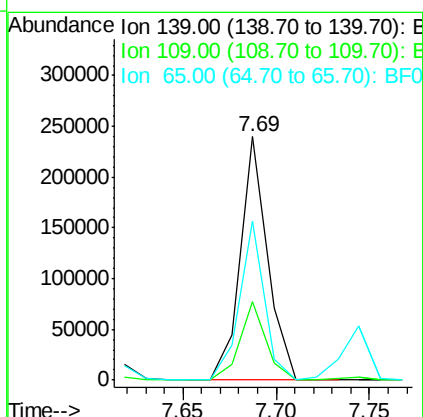
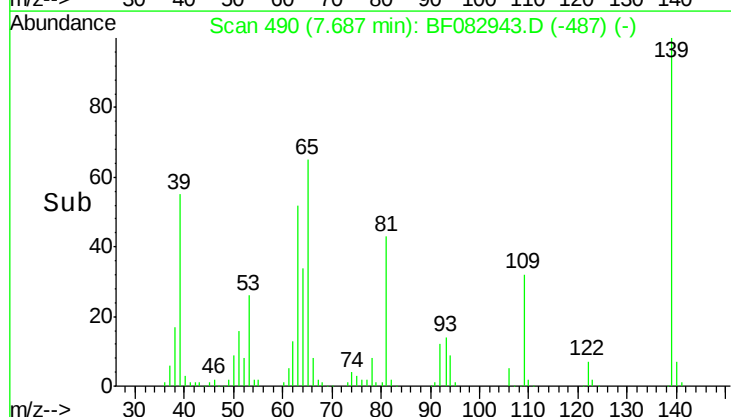
Tgt Ion: 139 Resp: 244179

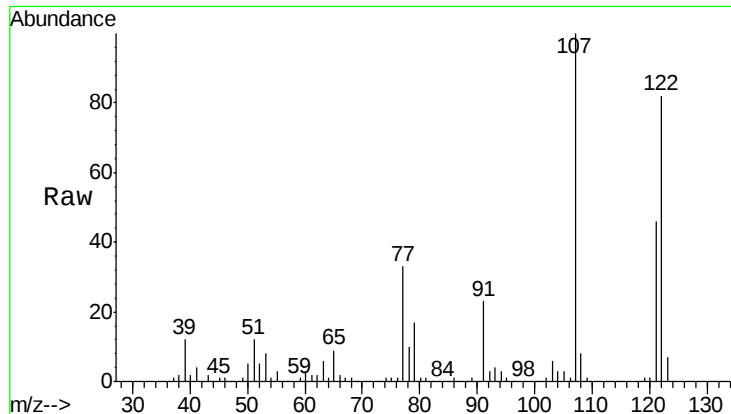
Ion Ratio Lower Upper

139 100

109 32.0 37.6 56.4#

65 65.2 70.6 105.8#



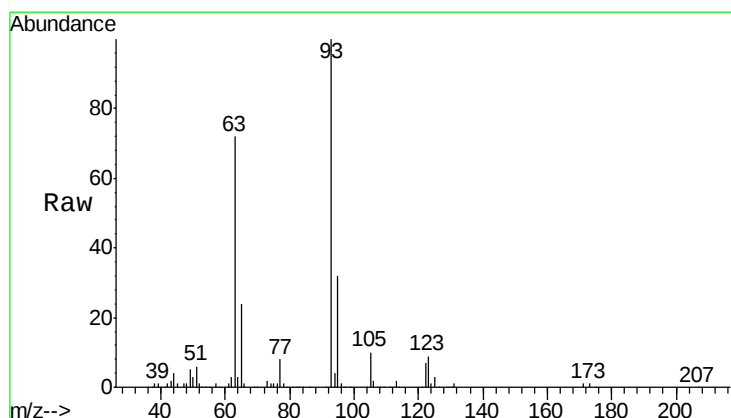
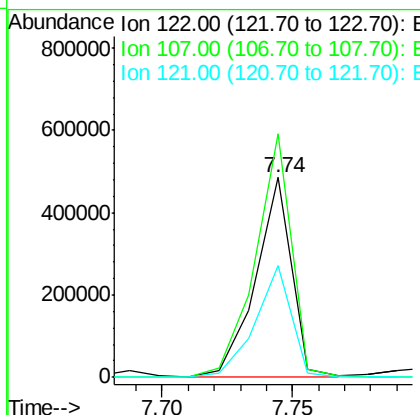
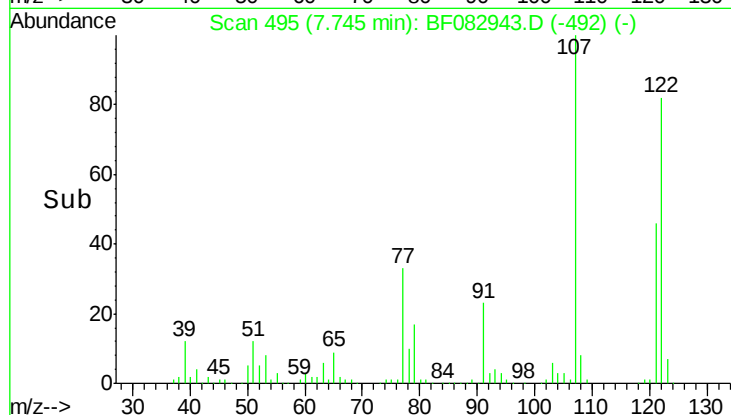


#27  
 2,4-Dimethylphenol  
 Concen: 33.94 ng  
 RT: 7.74 min Scan# 495  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

Tgt Ion:122 Resp: 471573  

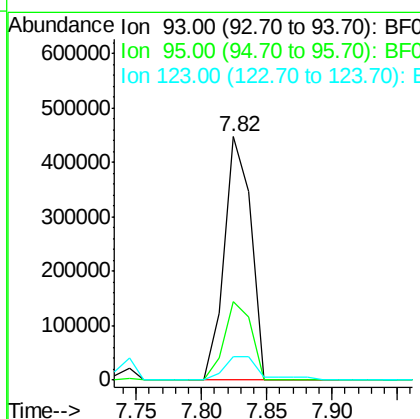
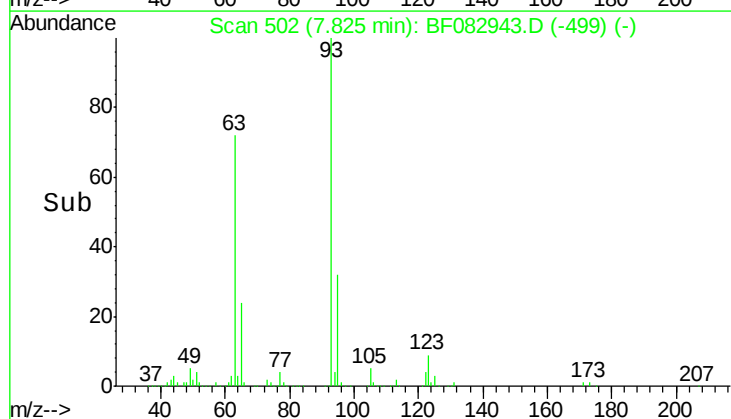
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 121.9 | 106.0 | 159.0 |
| 121 | 55.7  | 46.7  | 70.1  |

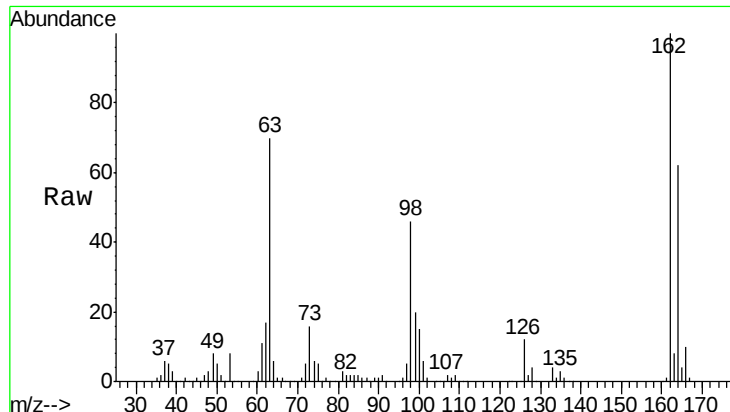


#28  
 bis(2-Chloroethoxy)methane  
 Concen: 33.42 ng  
 RT: 7.82 min Scan# 502  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion: 93 Resp: 631784  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.2  | 26.6  | 40.0  |
| 123 | 9.4   | 9.7   | 14.5  |

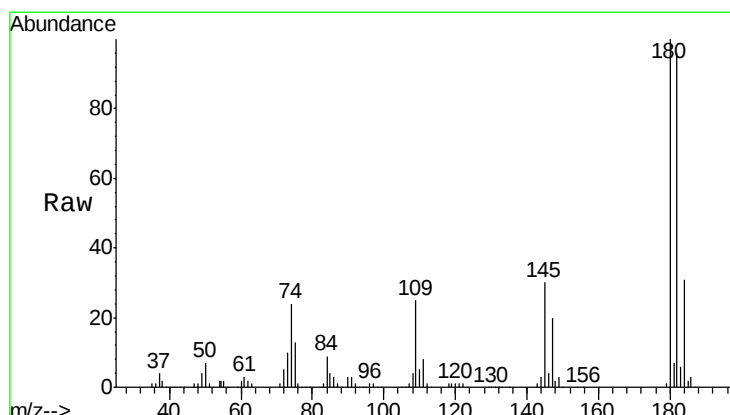
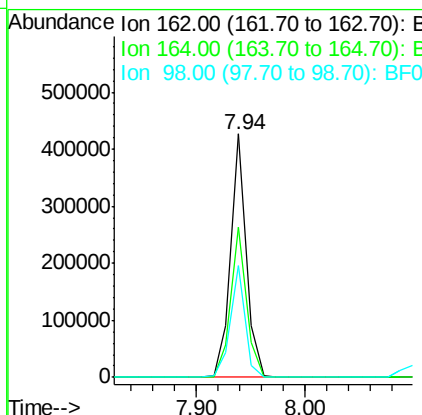
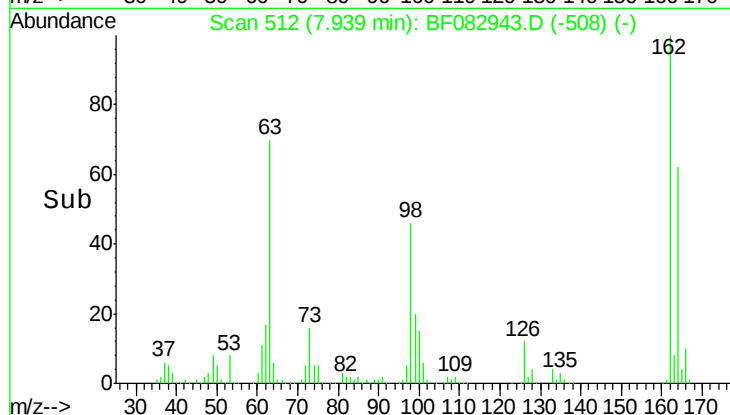




#29  
 2,4-Dichlorophenol  
 Concen: 33.53 ng  
 RT: 7.94 min Scan# 512  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

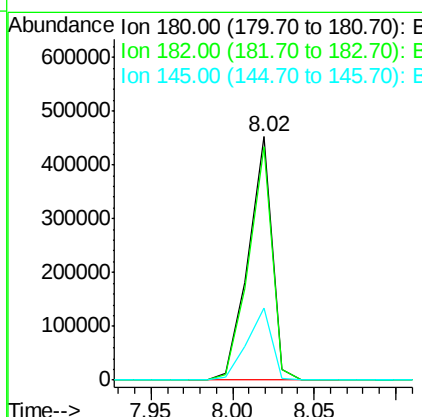
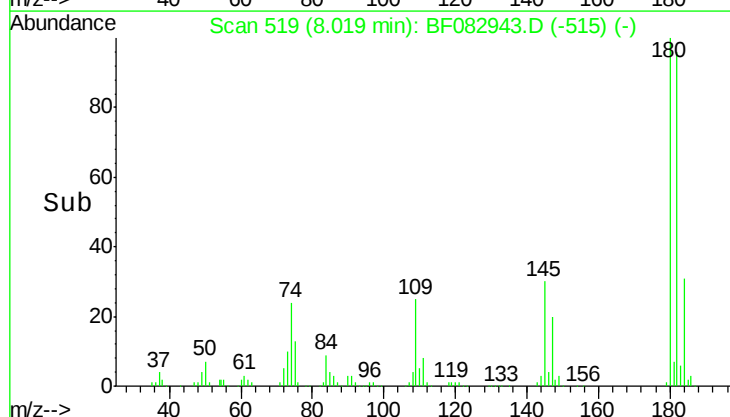
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB86620BS

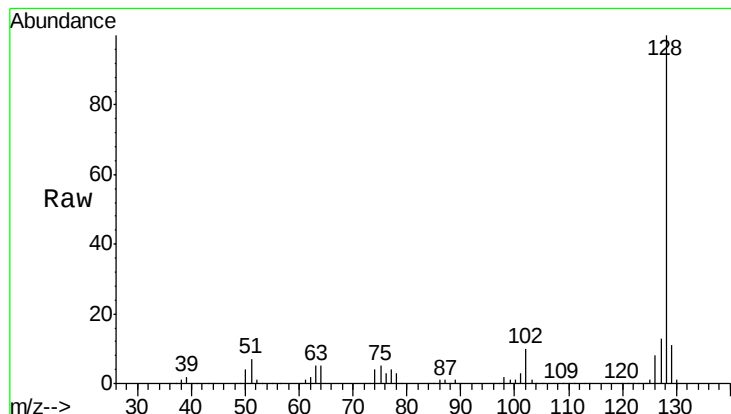
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 420978 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 61.7  | 46.8  | 86.8   |
| 98        | 45.8  | 12.5  | 52.5   |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 32.35 ng  
 RT: 8.02 min Scan# 519  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 456758 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 74.9  | 112.3  |
| 145       | 29.5  | 27.8  | 41.8   |





#31

Naphthalene

Concen: 32.90 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

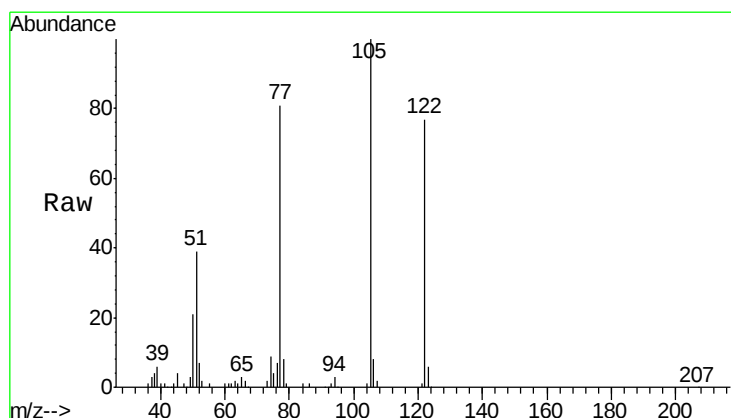
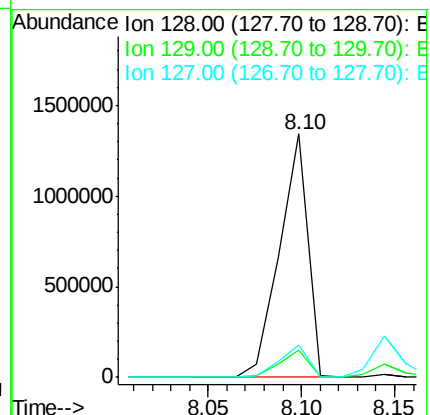
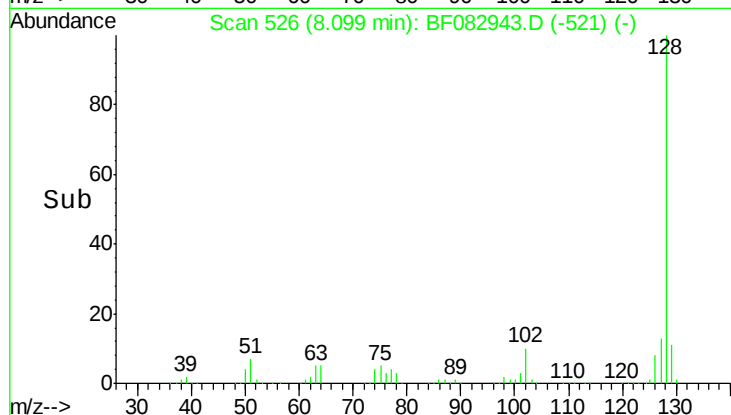
Tgt Ion:128 Resp: 1430513

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

127 13.2 11.4 17.0



#32

Benzoic acid

Concen: 31.27 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.03 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

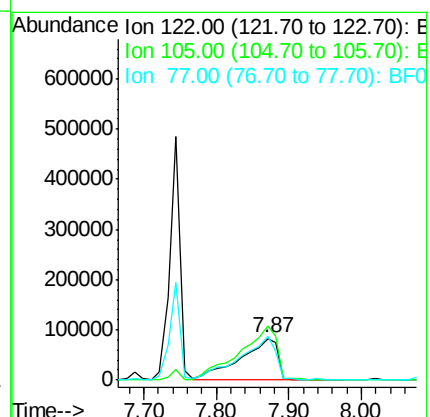
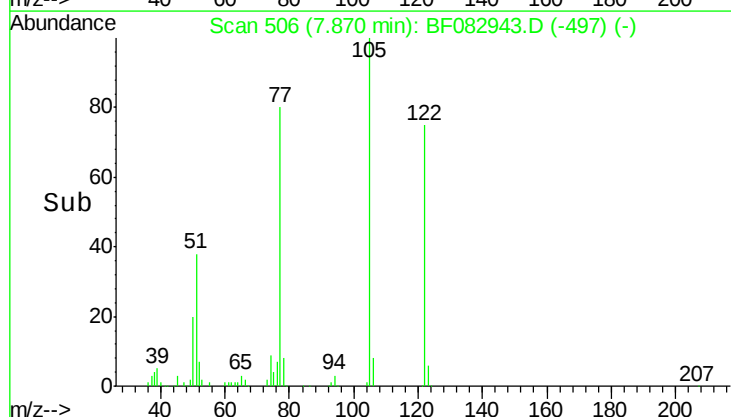
Tgt Ion:122 Resp: 297448

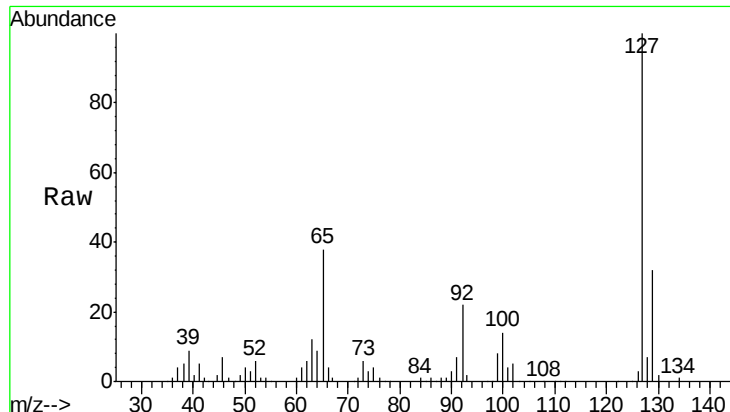
Ion Ratio Lower Upper

122 100

105 130.3 122.6 162.6

77 105.6 100.9 140.9

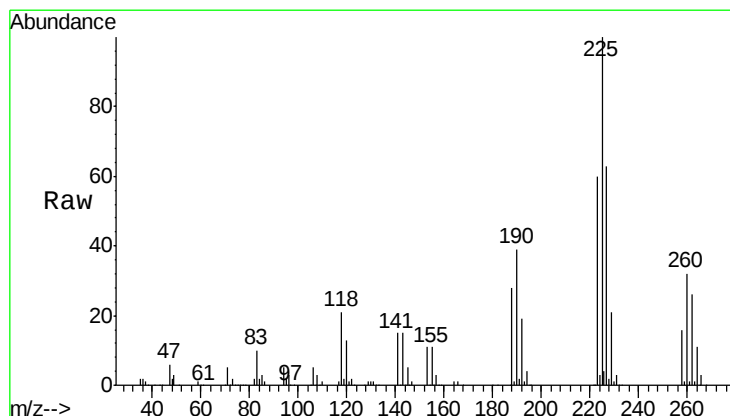
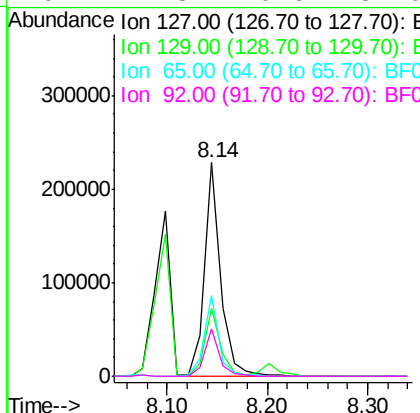
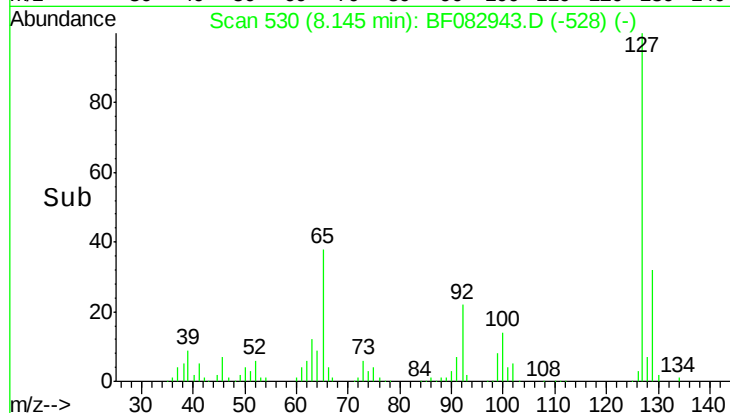




#33  
 4-Chloroaniline  
 Concen: 13.57 ng  
 RT: 8.14 min Scan# 530  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

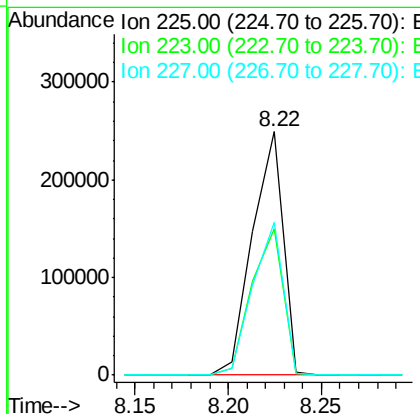
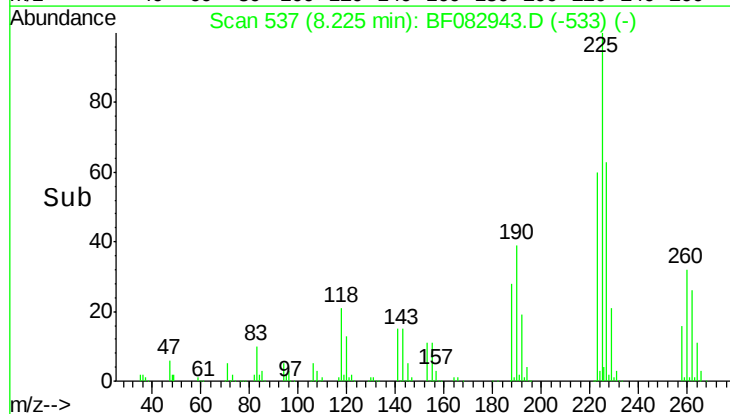
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

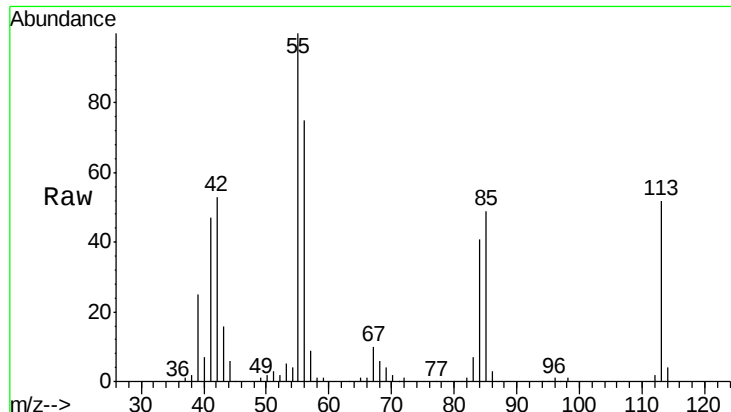
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 254268 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.5  | 26.3  | 39.5   |
| 65       | 37.8  | 37.8  | 56.8#  |
| 92       | 22.3  | 20.6  | 31.0   |



#34  
 Hexachlorobutadiene  
 Concen: 32.07 ng  
 RT: 8.22 min Scan# 537  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 283367 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 60.2  | 50.5  | 75.7   |
| 227      | 62.8  | 50.2  | 75.2   |

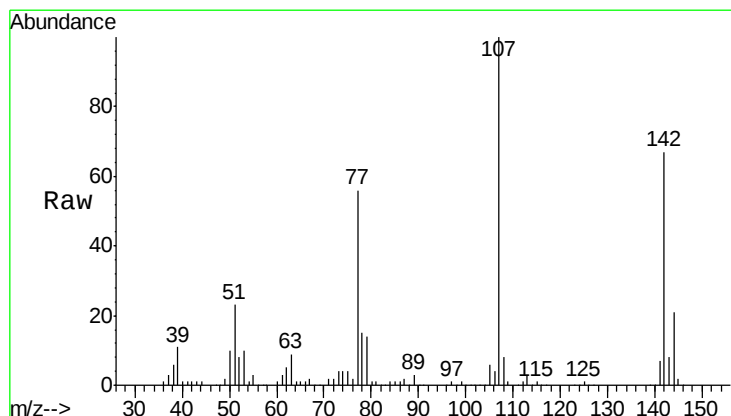
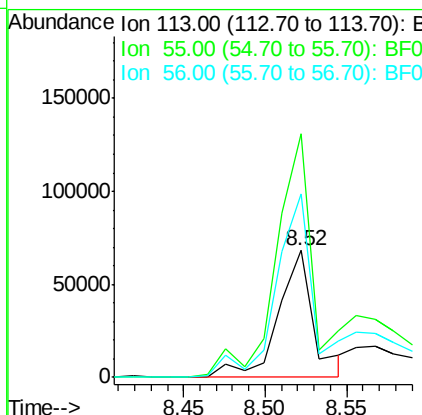
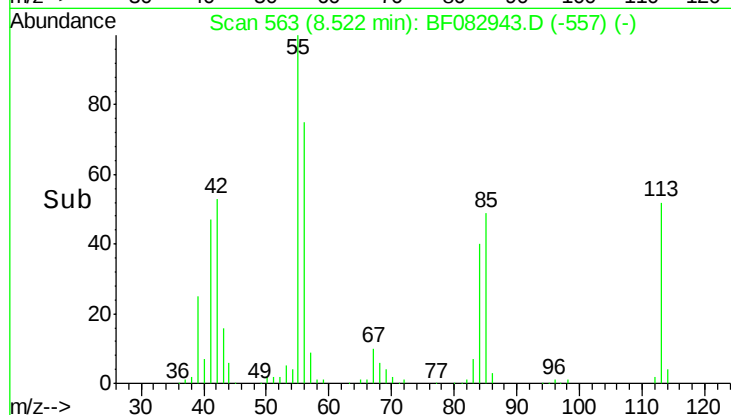




#35  
 Caprolactam  
 Concen: 25.99 ng  
 RT: 8.52 min Scan# 563  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

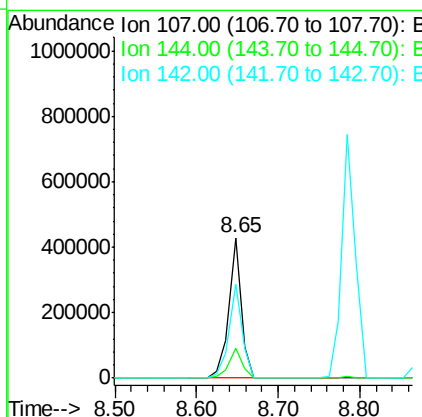
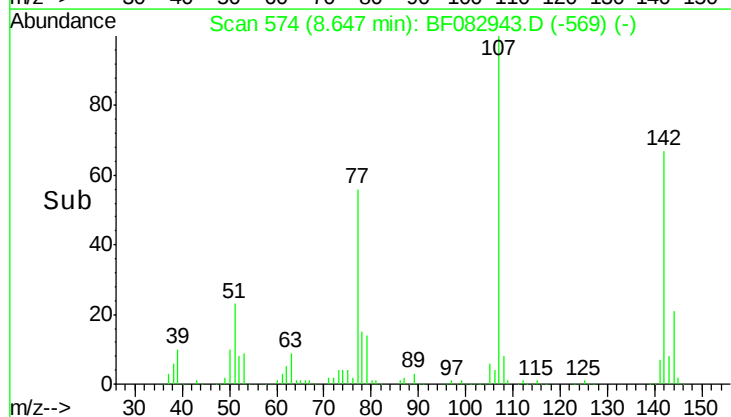
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

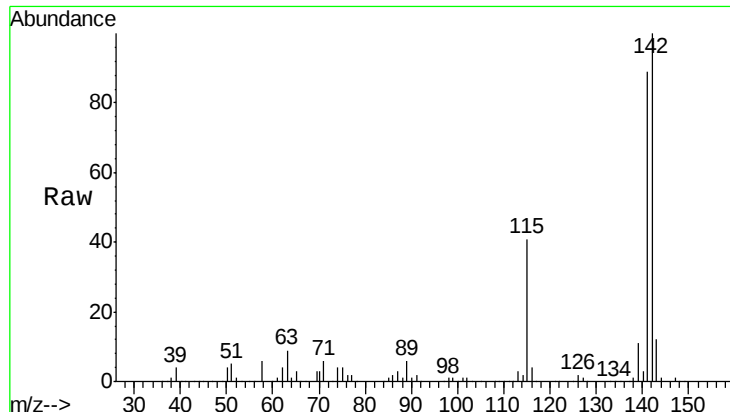
Tgt Ion:113 Resp: 102886  
 Ion Ratio Lower Upper  
 113 100  
 55 191.8 195.5 235.5#  
 56 144.3 153.5 193.5#



#36  
 4-Chloro-3-methylphenol  
 Concen: 31.00 ng  
 RT: 8.65 min Scan# 574  
 Delta R.T. -0.05 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:107 Resp: 457776  
 Ion Ratio Lower Upper  
 107 100  
 144 21.1 15.4 23.0  
 142 66.8 47.8 71.8

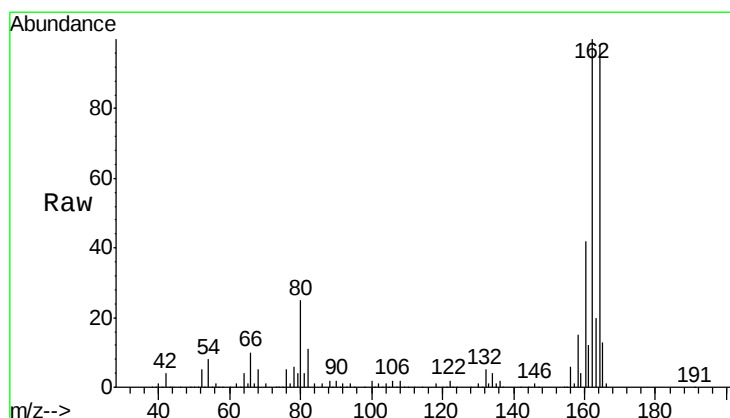
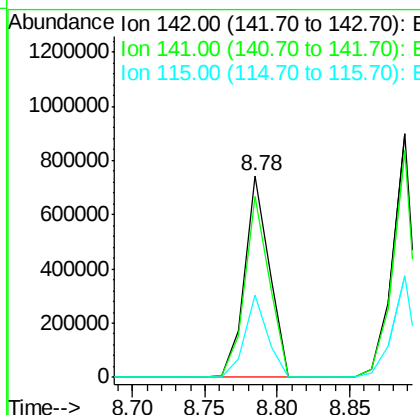
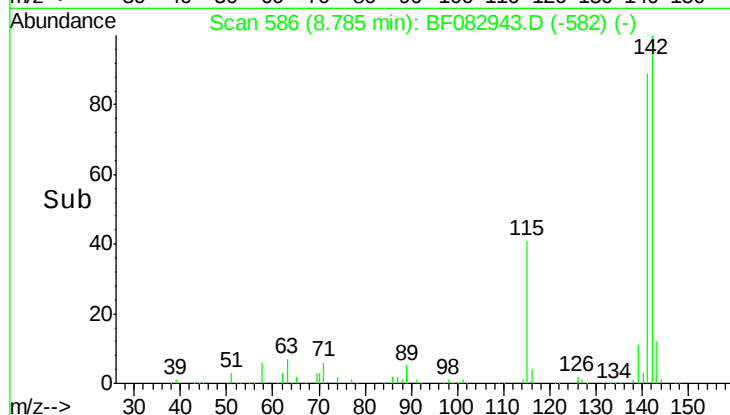




#37  
 2-Methylnaphthalene  
 Concen: 31.14 ng  
 RT: 8.78 min Scan# 586  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

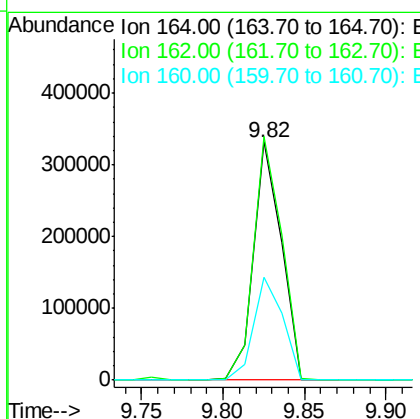
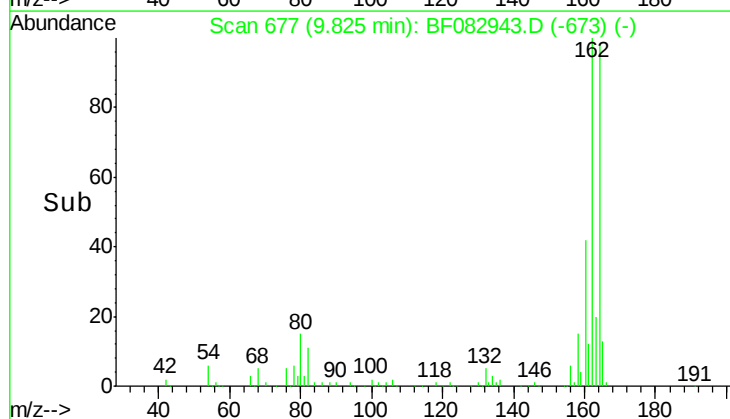
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

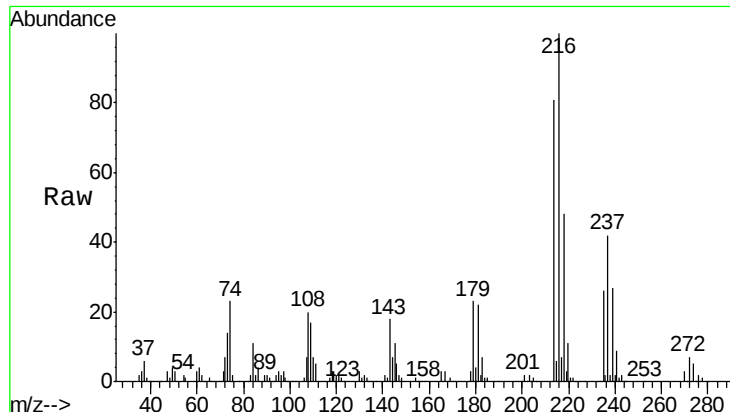
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 875934 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 89.5  | 72.3  | 108.5  |
| 115      | 41.0  | 38.1  | 57.1   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 677  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 394976 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 102.3 | 84.9  | 127.3  |
| 160      | 43.0  | 37.5  | 56.3   |

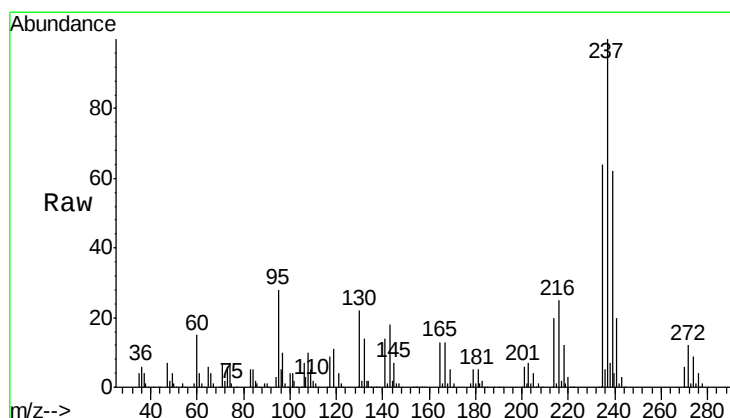
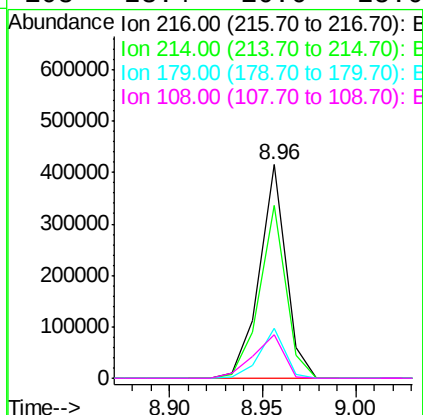
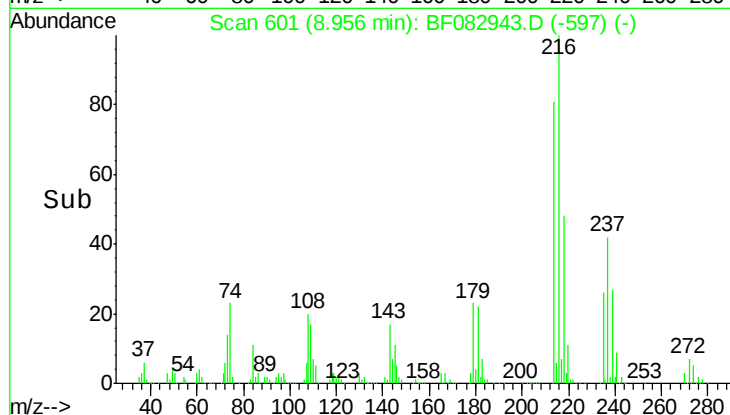




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 31.60 ng  
 RT: 8.96 min Scan# 601  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

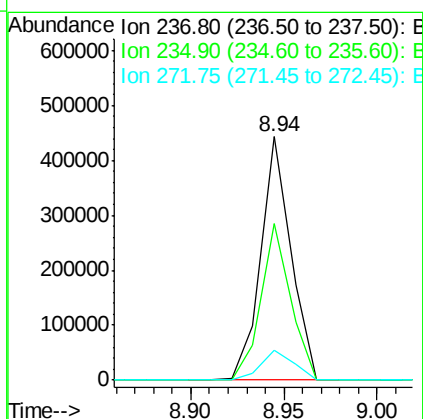
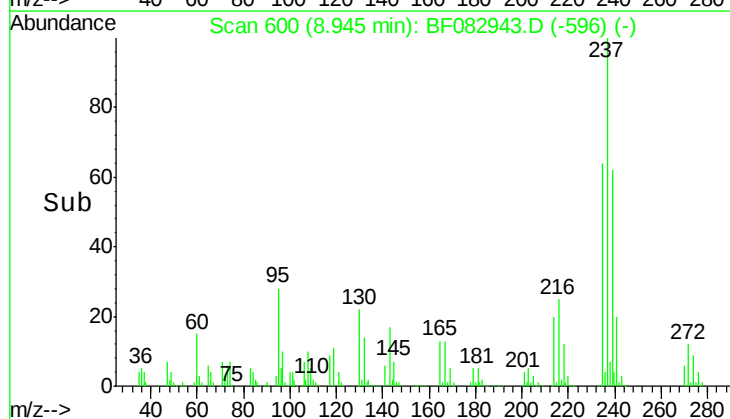
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

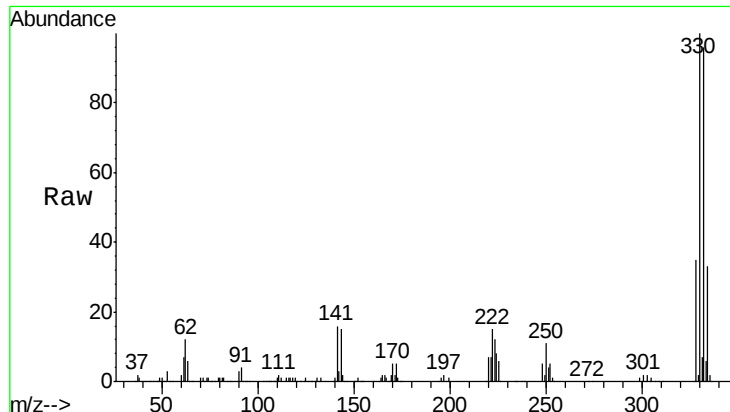
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 410119 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 80.4  | 62.2  | 93.2   |
| 179      | 22.2  | 18.1  | 27.1   |
| 108      | 23.4  | 16.6  | 25.0   |



#40  
 Hexachlorocyclopentadiene  
 Concen: 70.74 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 493271 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 64.2  | 44.3  | 84.3   |
| 272      | 12.0  | 0.0   | 31.9   |

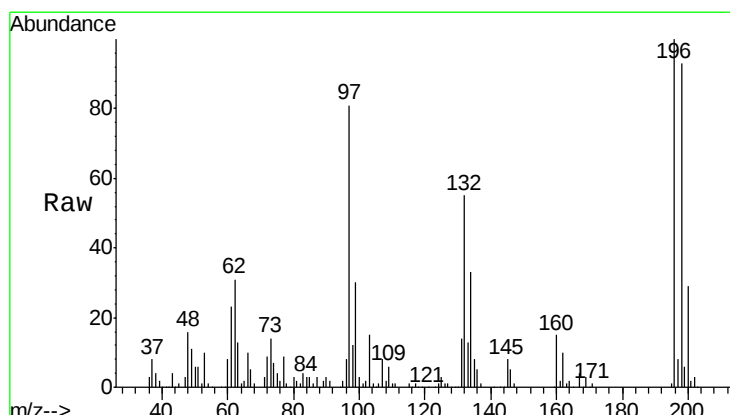
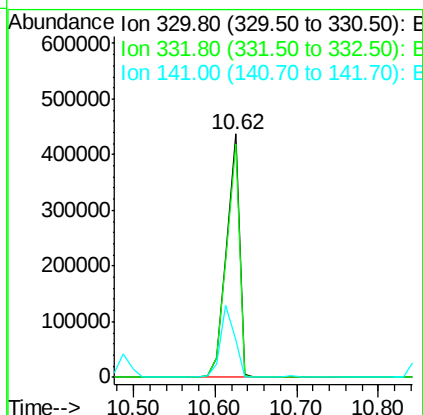
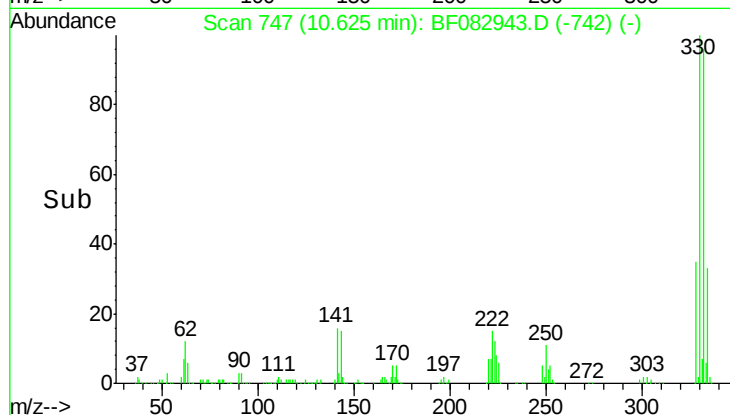




#41  
 2,4,6-Tribromophenol  
 Concen: 105.87 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

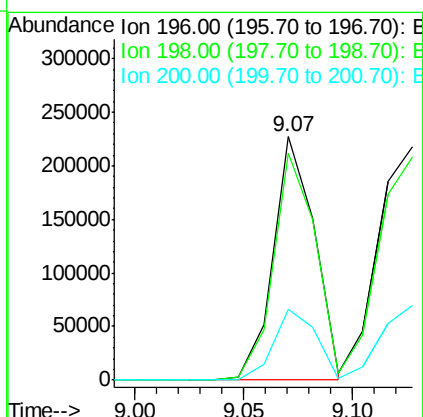
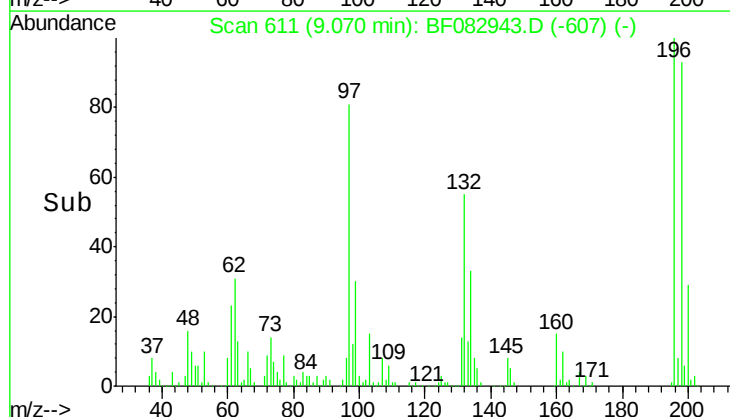
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

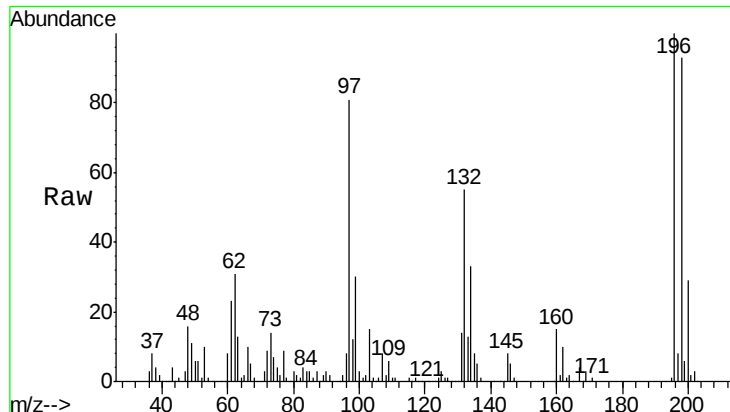
Tgt Ion:330 Resp: 479457  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.6 114.8  
 141 32.3 41.2 61.8#



#42  
 2,4,6-Trichlorophenol  
 Concen: 31.13 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:196 Resp: 301643  
 Ion Ratio Lower Upper  
 196 100  
 198 93.5 76.3 114.5  
 200 29.1 23.9 35.9

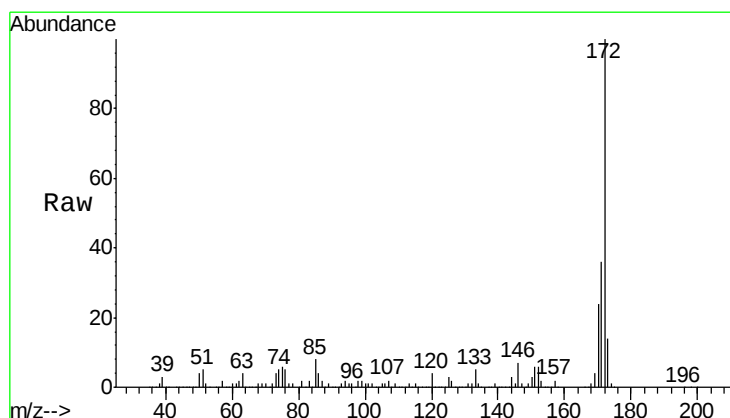
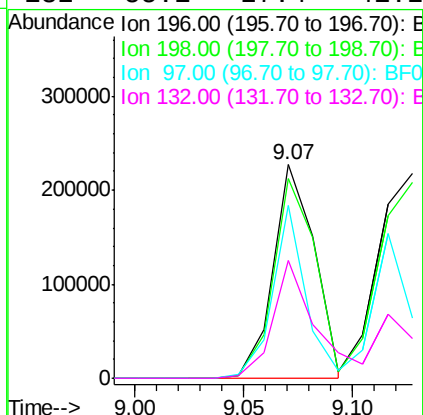
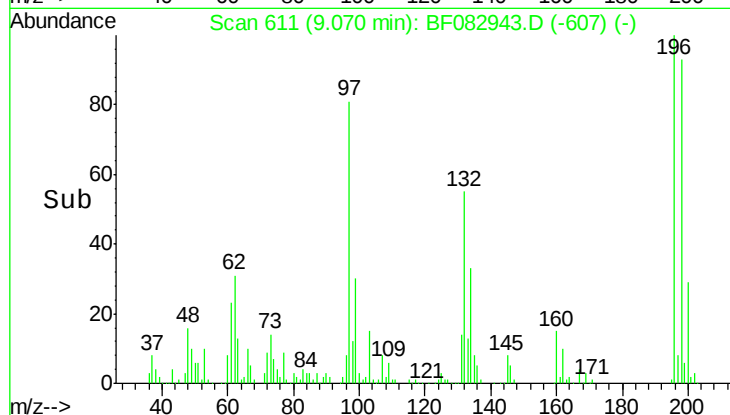




#43  
 2,4,5-Trichlorophenol  
 Concen: 31.48 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.09 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

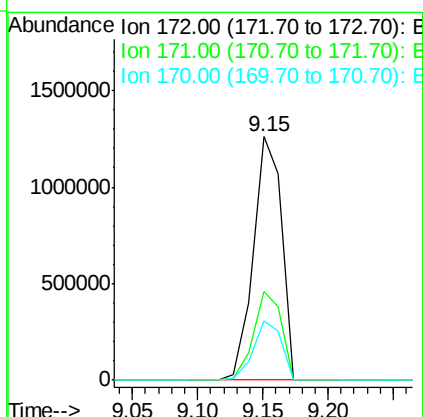
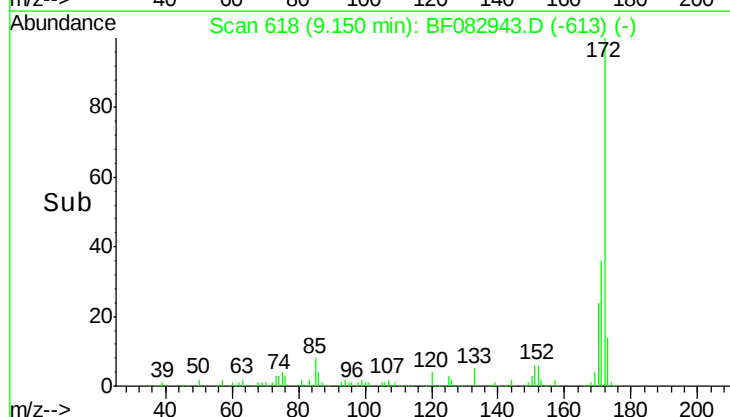
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

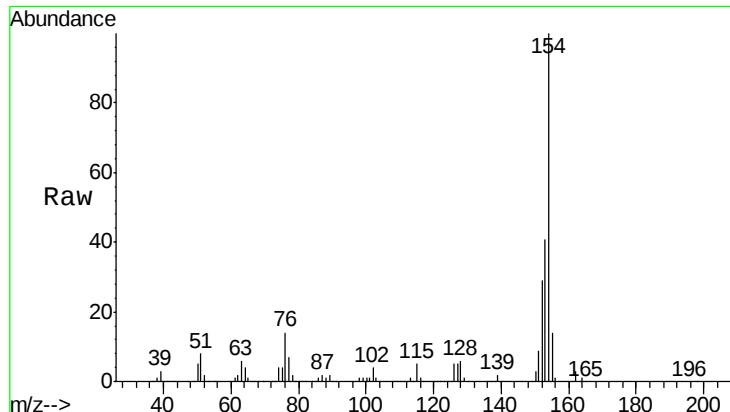
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 301643 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 93.5  | 75.8  | 113.8  |
| 97       | 80.9  | 62.3  | 93.5   |
| 132      | 55.1  | 27.4  | 41.2#  |



#44  
 2-Fluorobiphenyl  
 Concen: 68.78 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1895428 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.4  | 30.8  | 46.2    |
| 170      | 24.4  | 21.2  | 31.8    |



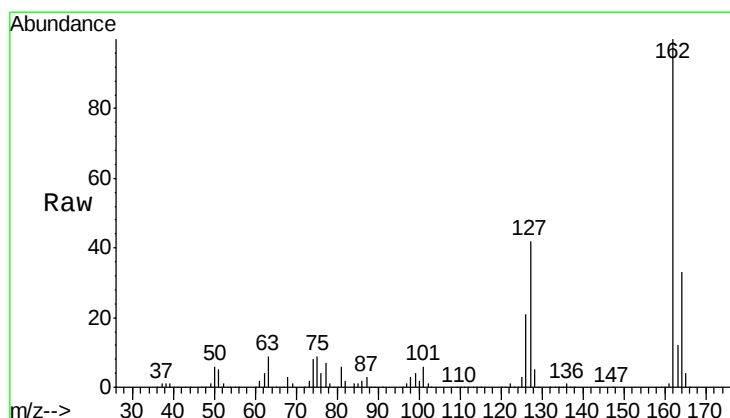
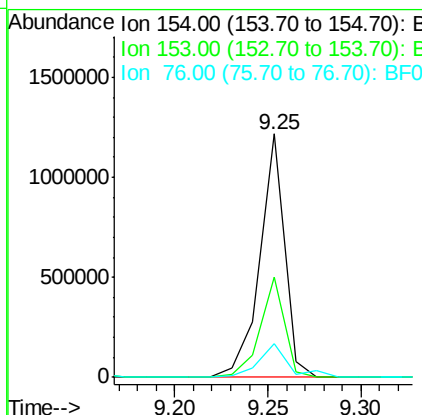
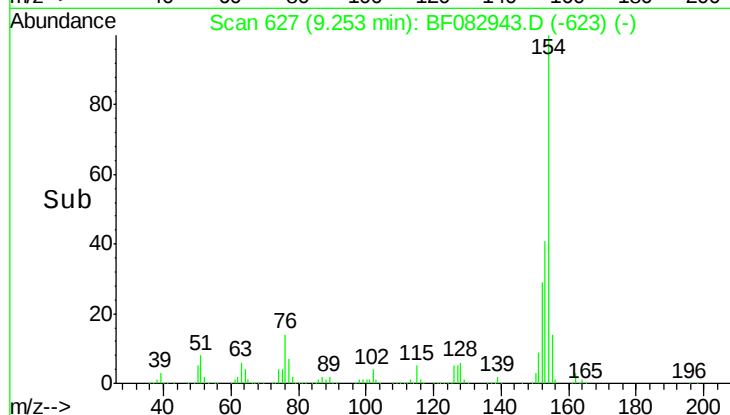


#45  
 1,1'-Biphenyl  
 Concen: 32.72 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

Tgt Ion:154 Resp: 1108899  

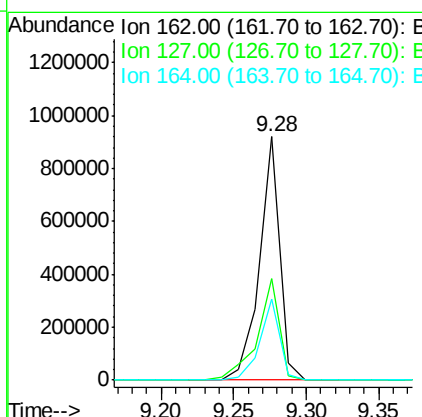
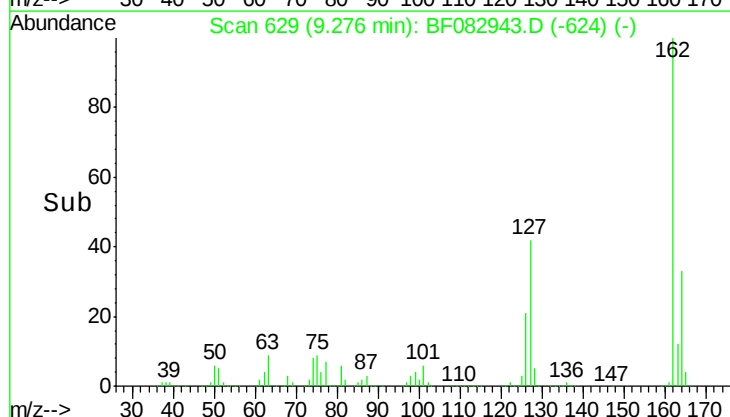
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.0  | 22.0  | 62.0  |
| 76  | 13.9  | 0.0   | 29.0  |

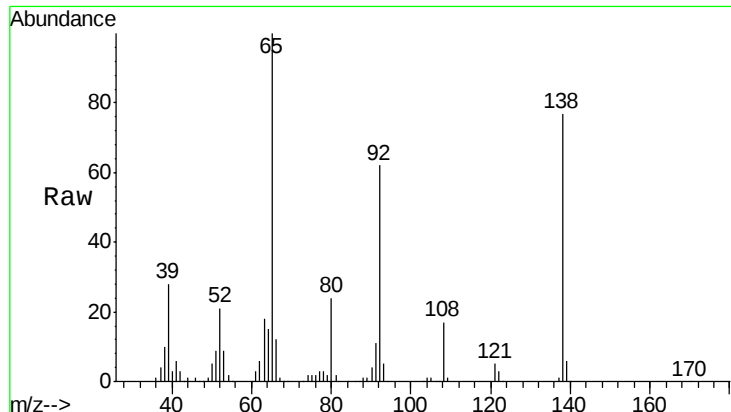


#46  
 2-Chloronaphthalene  
 Concen: 33.61 ng  
 RT: 9.28 min Scan# 629  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:162 Resp: 888531  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 41.8  | 32.7  | 49.1  |
| 164 | 33.3  | 27.4  | 41.0  |

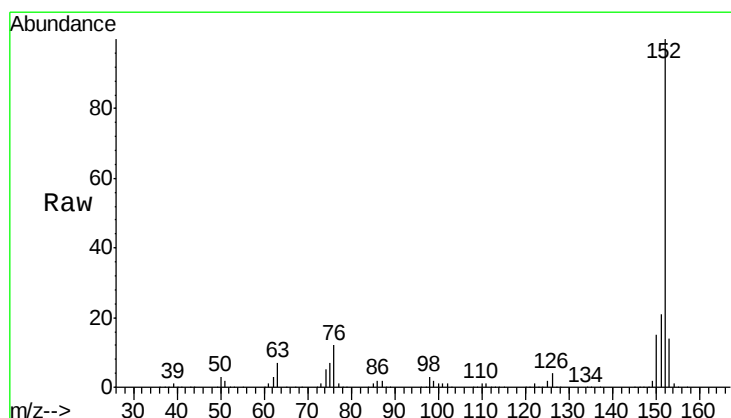
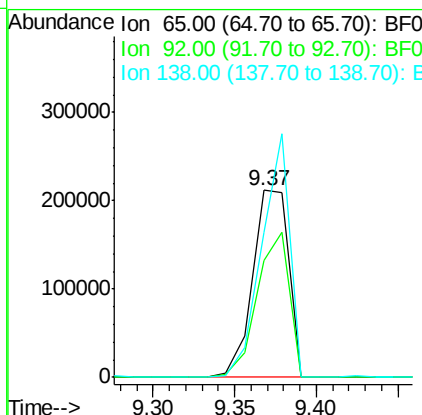
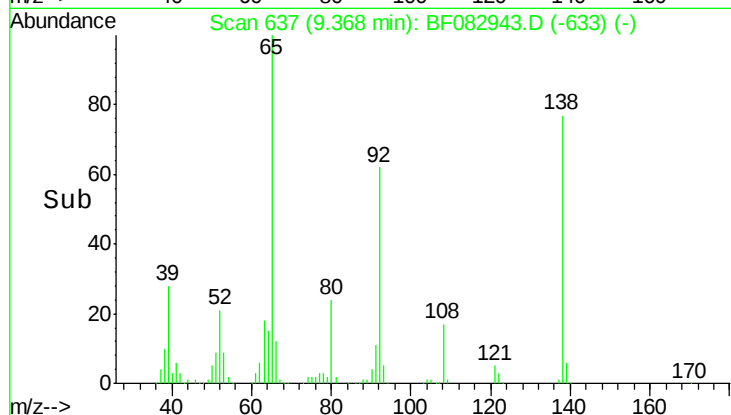




#47  
2-Nitroaniline  
Concen: 33.20 ng  
RT: 9.37 min Scan# 637  
Delta R.T. -0.06 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

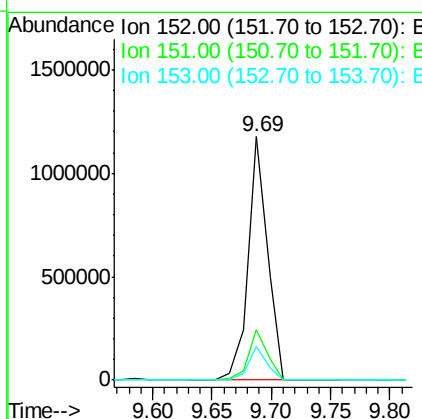
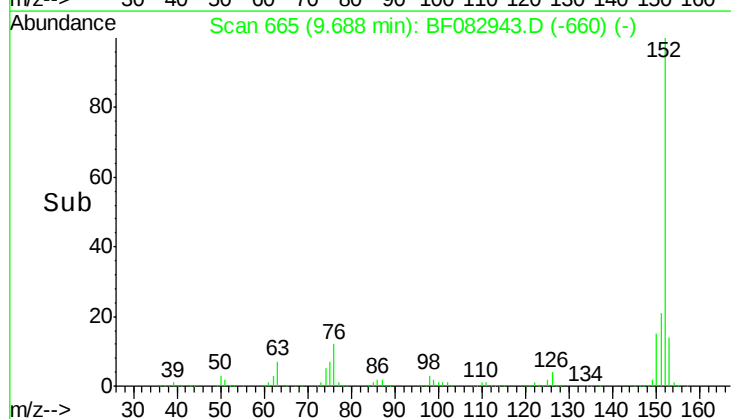
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS

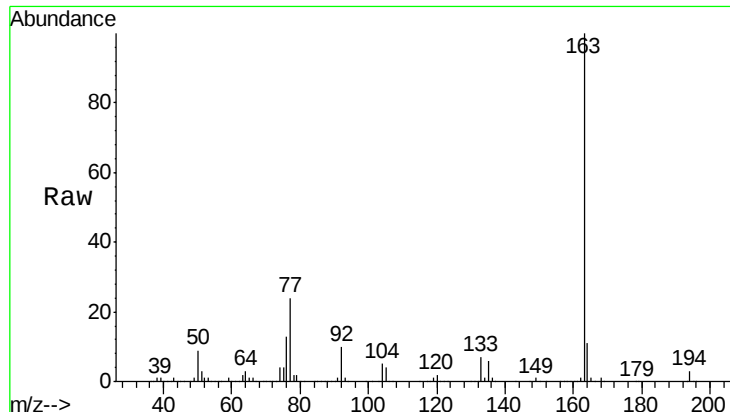
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 325611 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 62.2  | 46.6  | 70.0   |
| 138      | 77.4  | 54.6  | 81.8   |



#48  
Acenaphthylene  
Concen: 32.35 ng  
RT: 9.69 min Scan# 665  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 152   | Resp: | 1340221 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 20.7  | 17.3  | 25.9    |
| 153      | 13.9  | 11.3  | 16.9    |

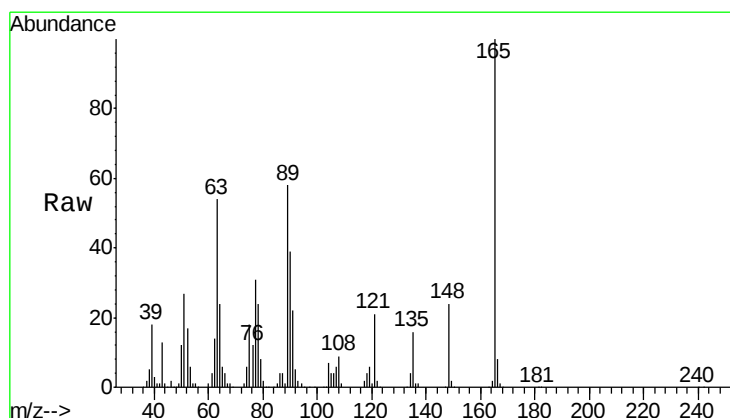
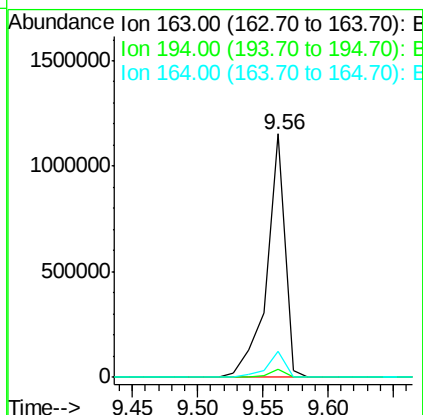
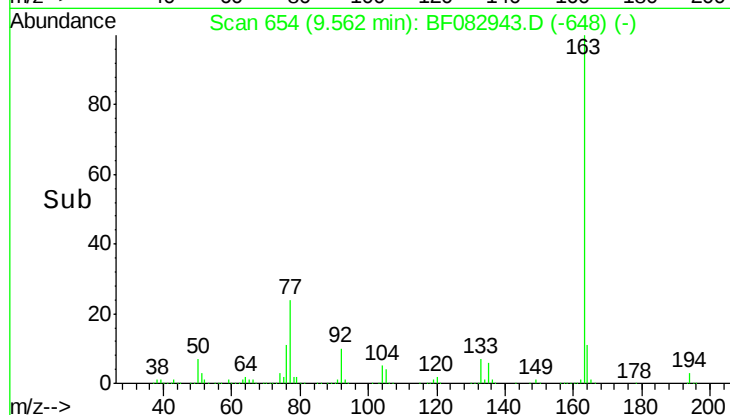




#49  
Dimethylphthalate  
Concen: 34.69 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.06 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

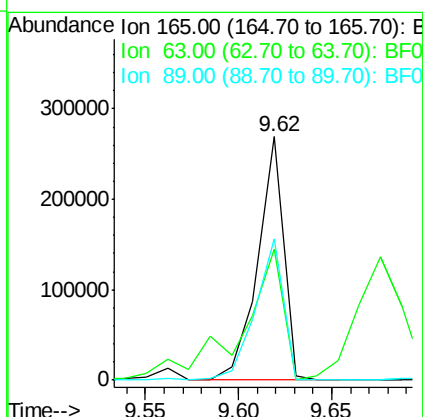
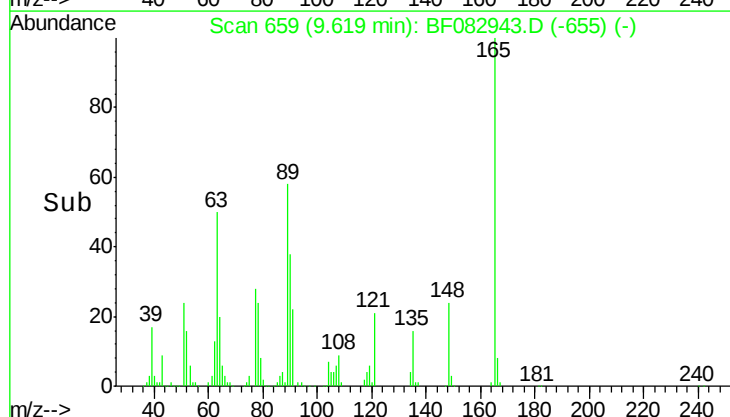
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS

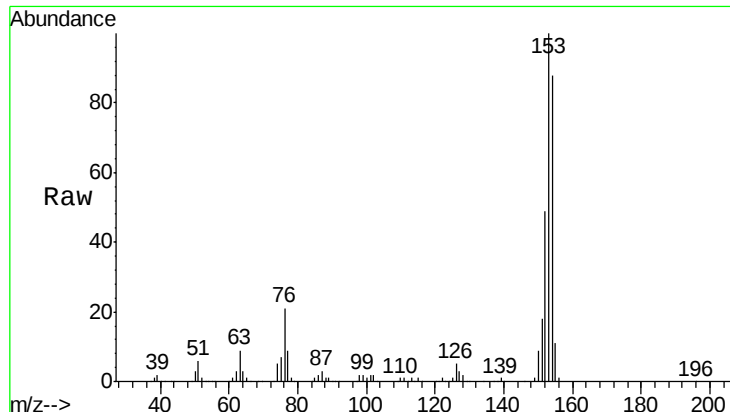
Tgt Ion:163 Resp: 1122506  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 10.5 8.7 13.1



#50  
2,6-Dinitrotoluene  
Concen: 37.34 ng  
RT: 9.62 min Scan# 659  
Delta R.T. -0.06 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

Tgt Ion:165 Resp: 257840  
Ion Ratio Lower Upper  
165 100  
63 53.9 55.5 83.3#  
89 58.1 55.0 82.6





#51

Acenaphthene

Concen: 36.51 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

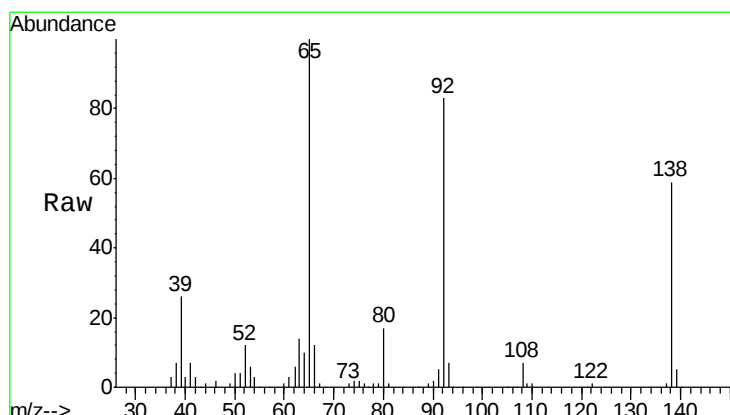
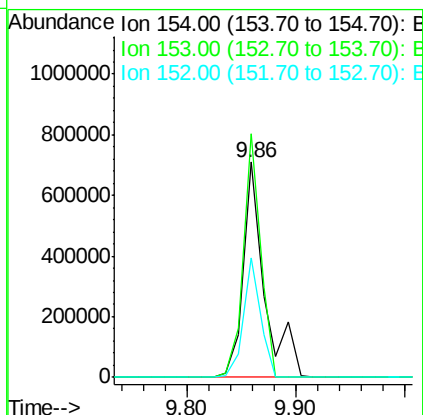
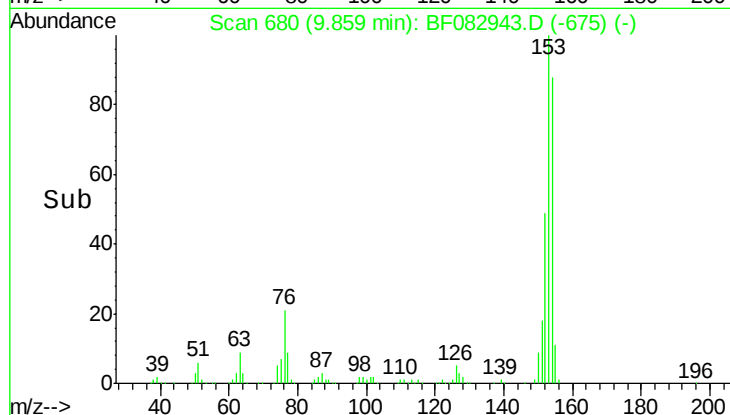
Tgt Ion:154 Resp: 958670

Ion Ratio Lower Upper

154 100

153 113.0 90.1 135.1

152 55.3 44.3 66.5



#52

3-Nitroaniline

Concen: 16.37 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

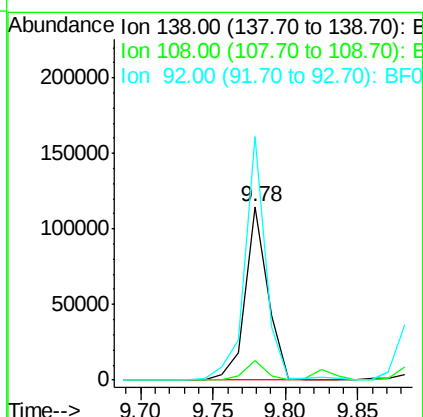
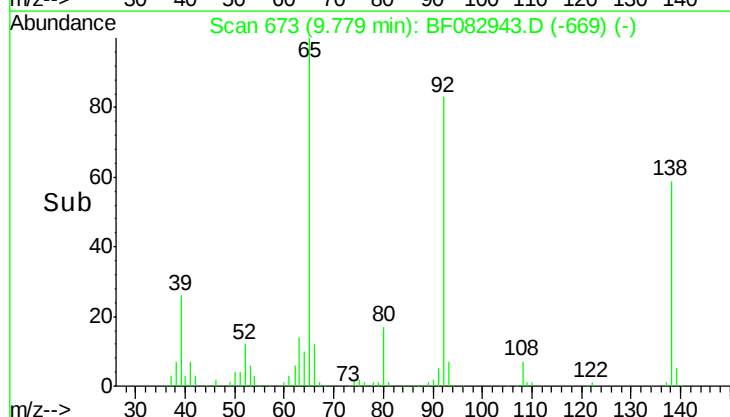
Tgt Ion:138 Resp: 124285

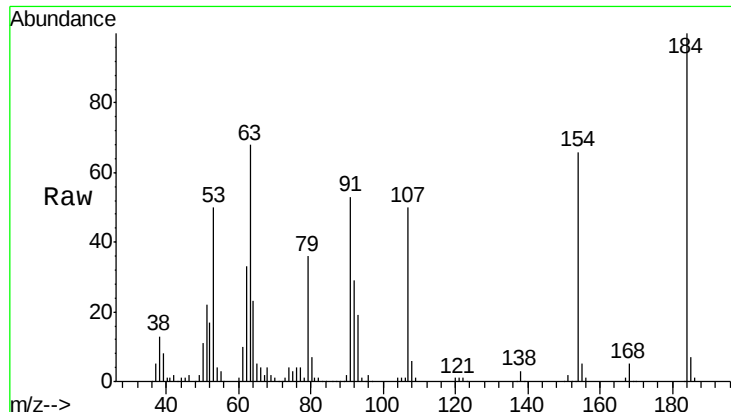
Ion Ratio Lower Upper

138 100

108 11.6 11.3 16.9

92 140.6 122.4 183.6

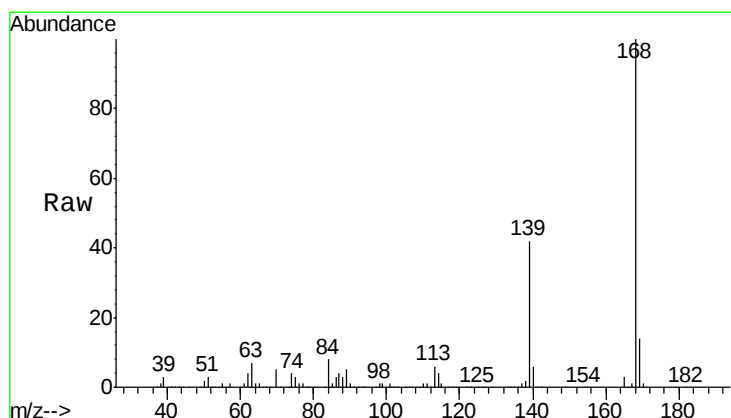
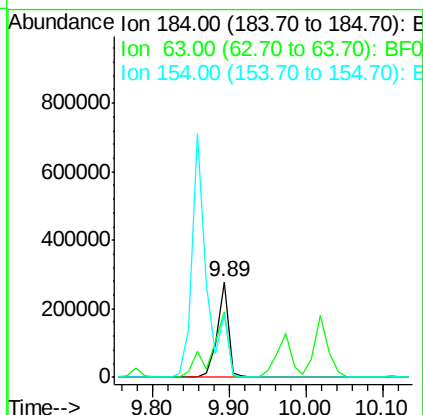
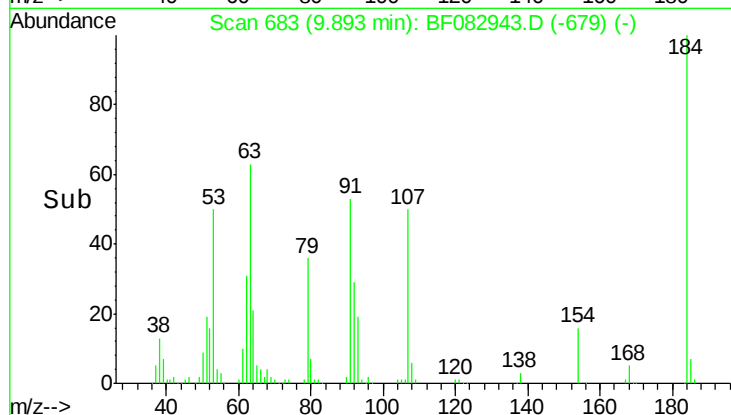




#53  
 2,4-Dinitrophenol  
 Concen: 75.18 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. -0.04 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

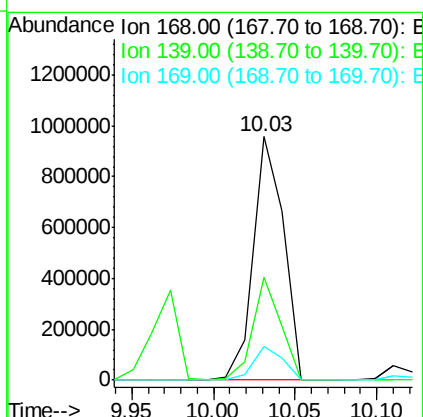
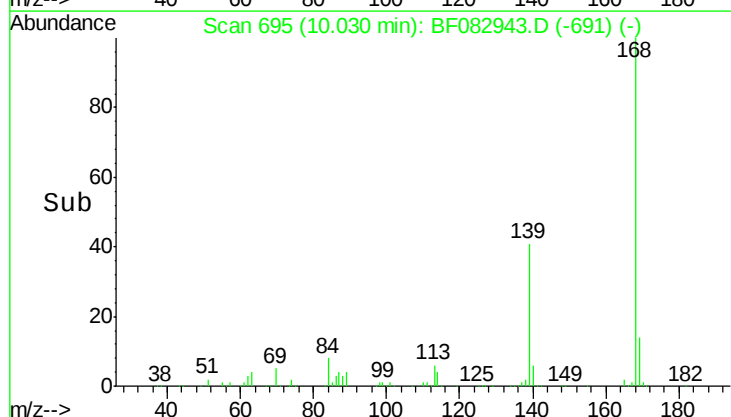
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

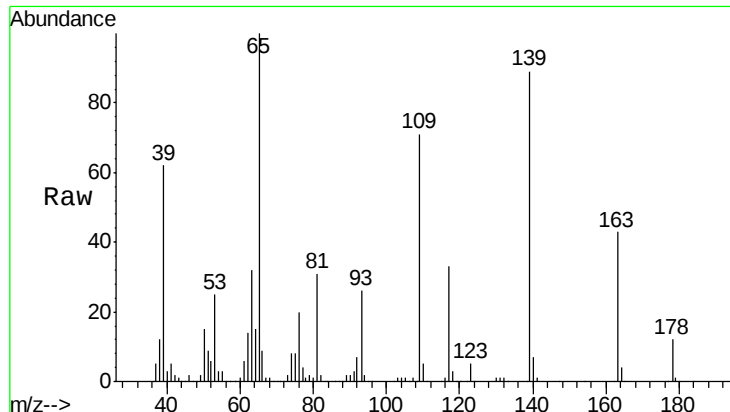
Tgt Ion:184 Resp: 285026  
 Ion Ratio Lower Upper  
 184 100  
 63 68.2 98.6 148.0#  
 154 66.1 183.9 275.9#



#54  
 Dibenzofuran  
 Concen: 34.81 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:168 Resp: 1232561  
 Ion Ratio Lower Upper  
 168 100  
 139 42.0 37.8 56.6  
 169 13.9 11.3 16.9

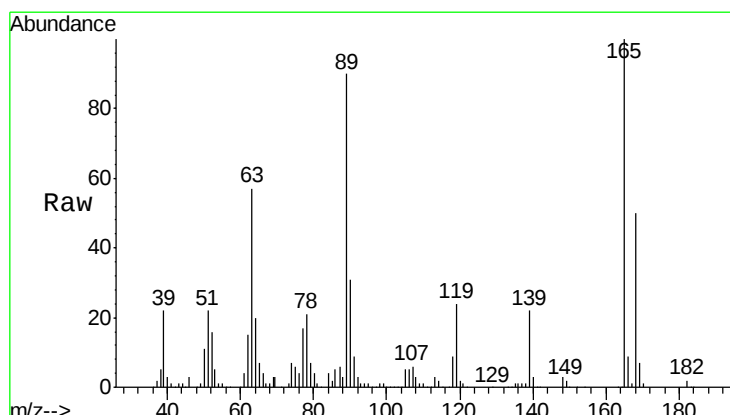
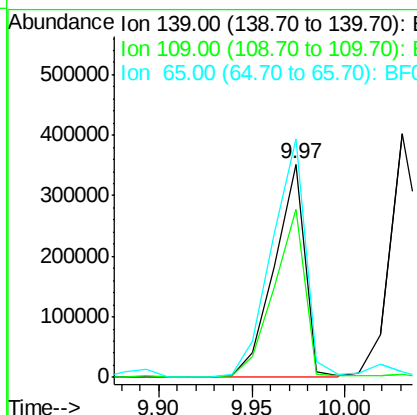
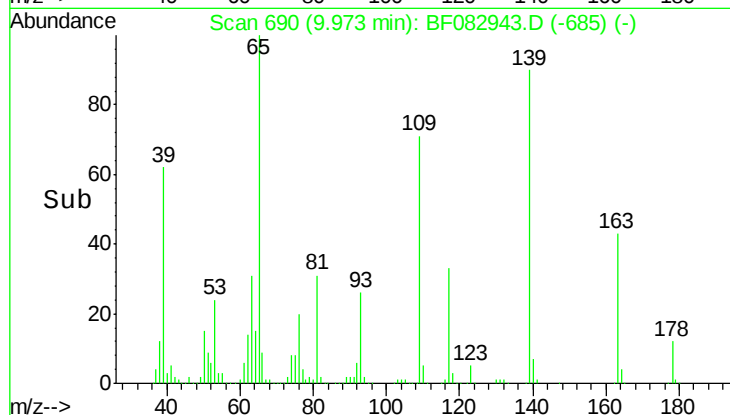




#55  
 4-Nitrophenol  
 Concen: 69.59 ng  
 RT: 9.97 min Scan# 690  
 Delta R.T. -0.02 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

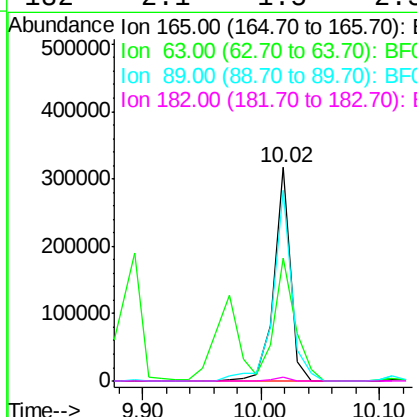
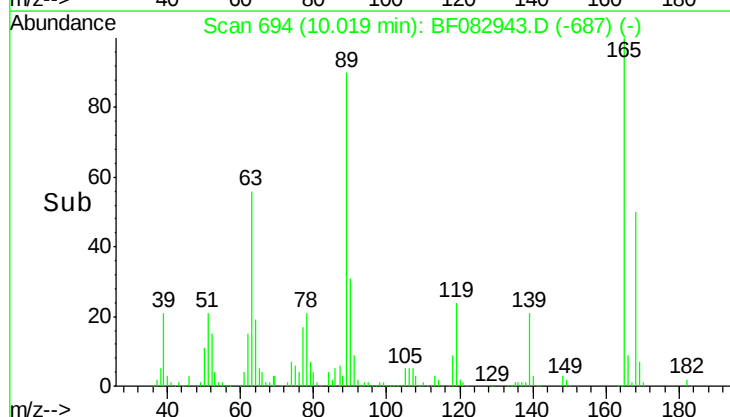
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 79.0  | 73.7  | 113.7 |
| 65      | 111.8 | 82.9  | 122.9 |

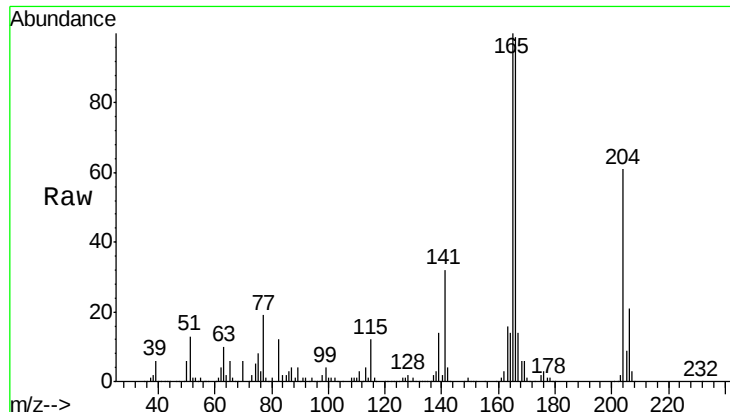
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS



#56  
 2,4-Dinitrotoluene  
 Concen: 32.30 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 57.3  | 43.4  | 65.0  |
| 89      | 89.5  | 70.6  | 106.0 |
| 182     | 2.1   | 1.5   | 2.3   |

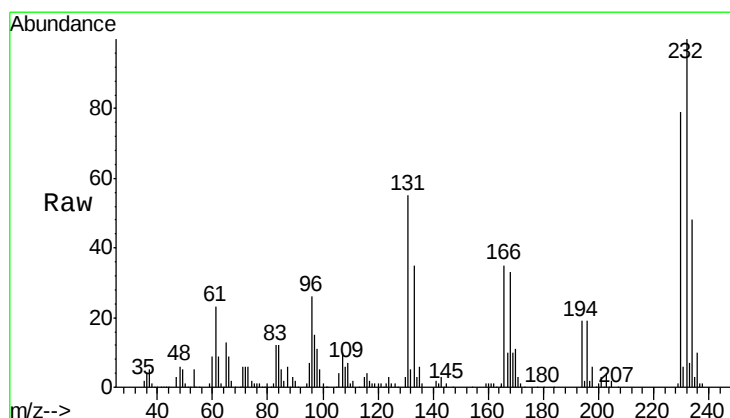
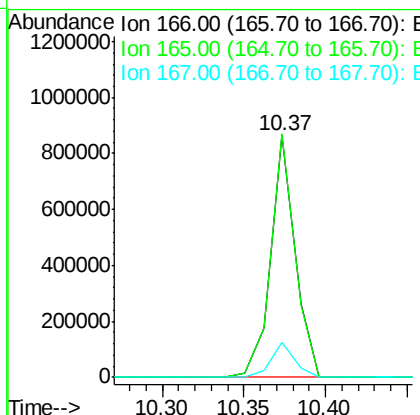
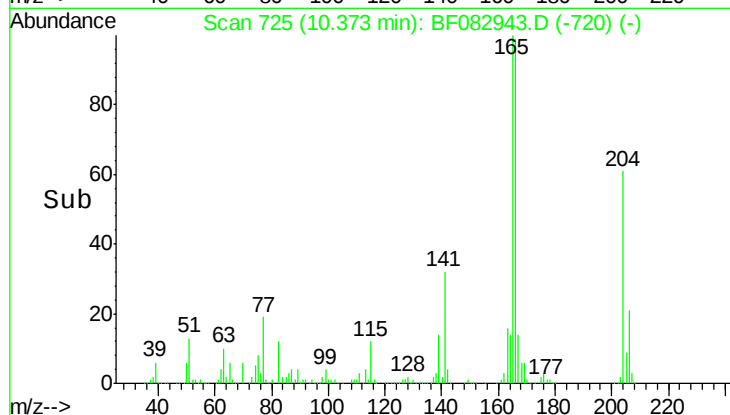




#57  
 Fluorene  
 Concen: 31.57 ng  
 RT: 10.37 min Scan# 725  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

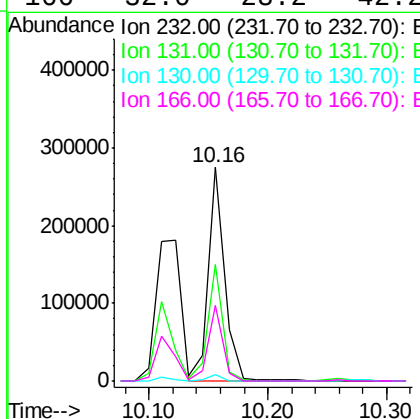
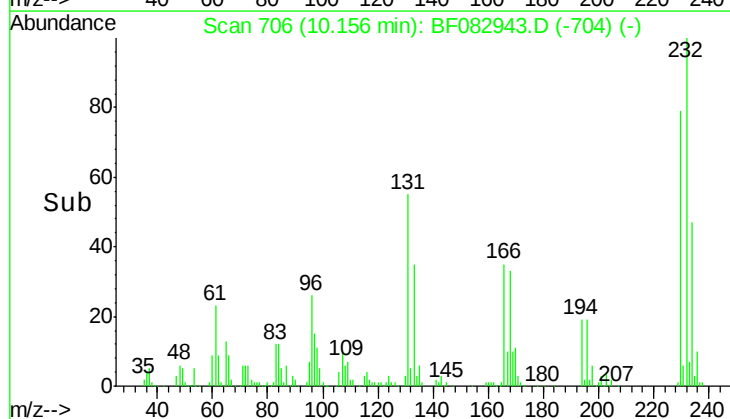
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

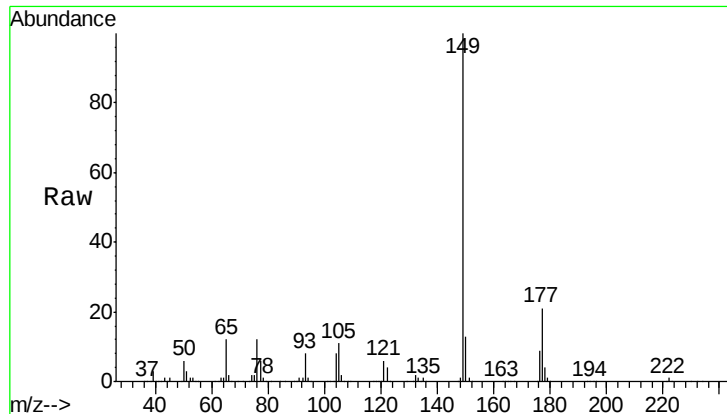
Tgt Ion:166 Resp: 905247  
 Ion Ratio Lower Upper  
 166 100  
 165 100.7 80.2 120.4  
 167 14.4 11.2 16.8



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 33.44 ng  
 RT: 10.16 min Scan# 706  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:232 Resp: 261511  
 Ion Ratio Lower Upper  
 232 100  
 131 48.4 46.2 69.2  
 130 2.4 2.4 3.6  
 166 32.0 28.2 42.2

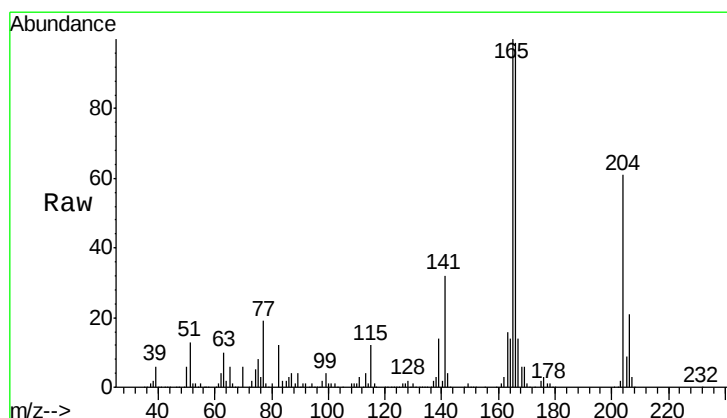
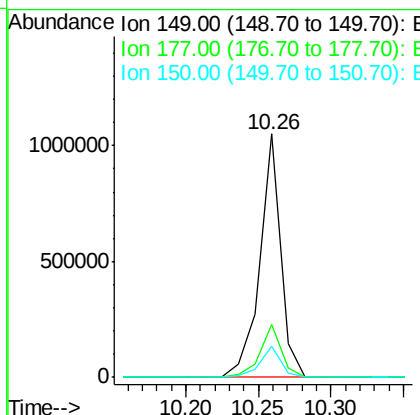
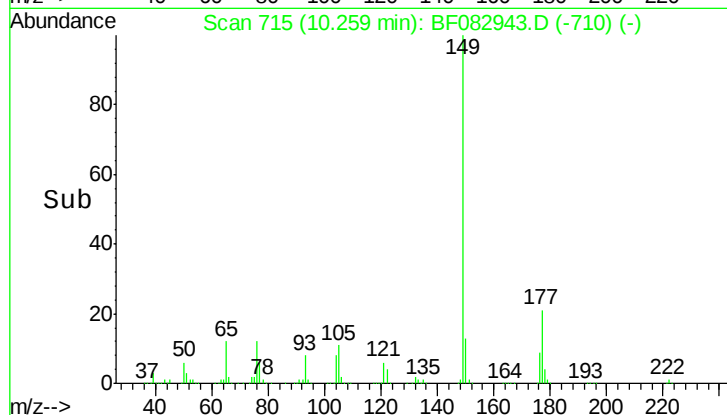




#59  
 Diethylphthalate  
 Concen: 33.11 ng  
 RT: 10.26 min Scan# 715  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

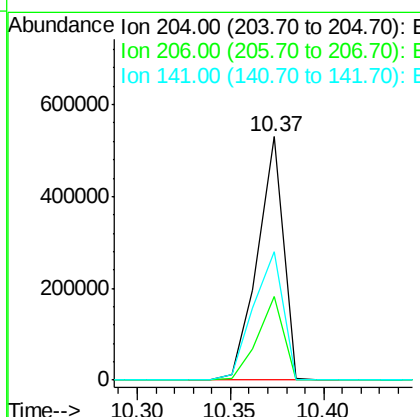
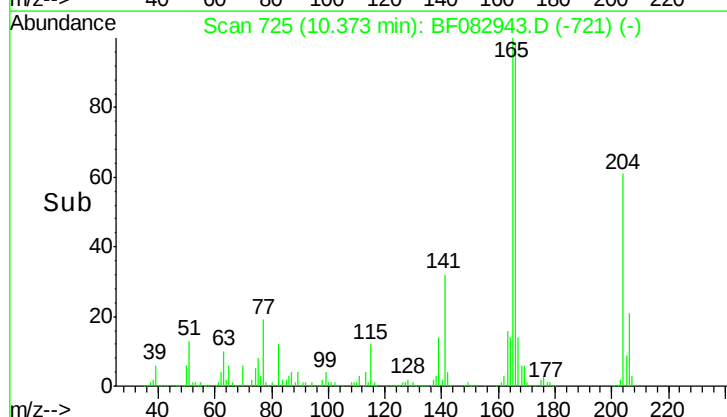
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

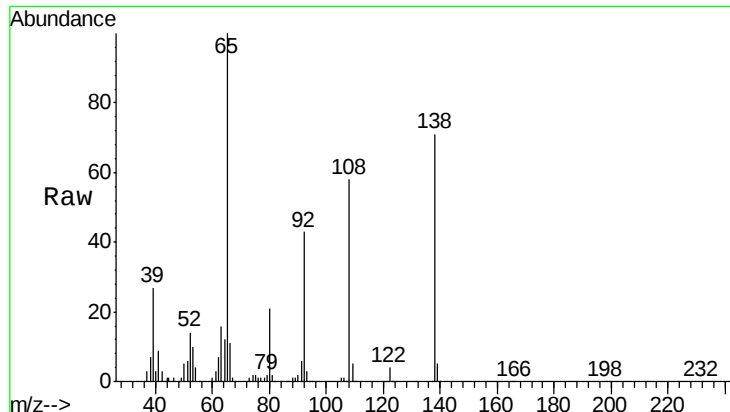
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1046172 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 21.5  | 17.9  | 26.9    |
| 150      | 13.1  | 10.1  | 15.1    |



#60  
 4-Chlorophenyl-phenylether  
 Concen: 35.52 ng  
 RT: 10.37 min Scan# 725  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 204   | Resp: | 509616 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 34.5  | 28.5  | 42.7   |
| 141      | 52.9  | 44.6  | 66.8   |

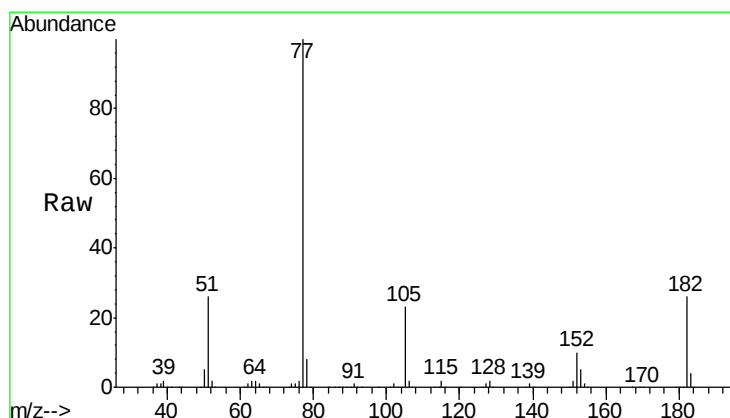
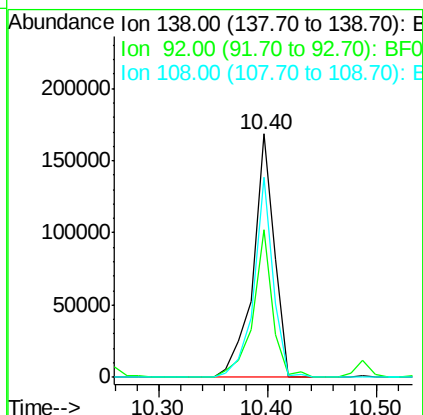
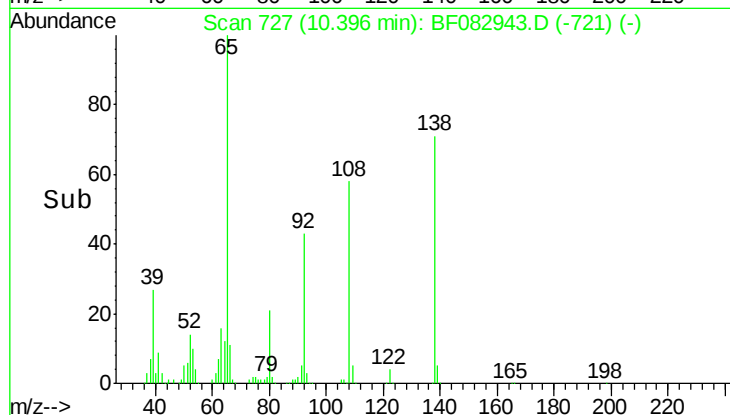




#61  
 4-Nitroaniline  
 Concen: 30.24 ng  
 RT: 10.40 min Scan# 727  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

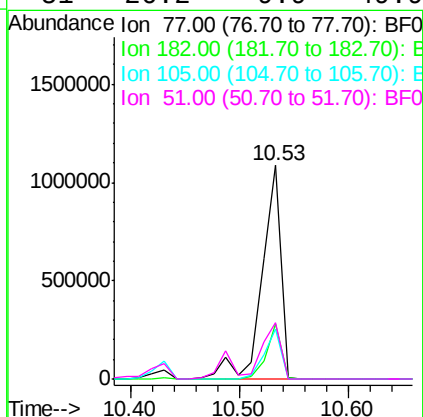
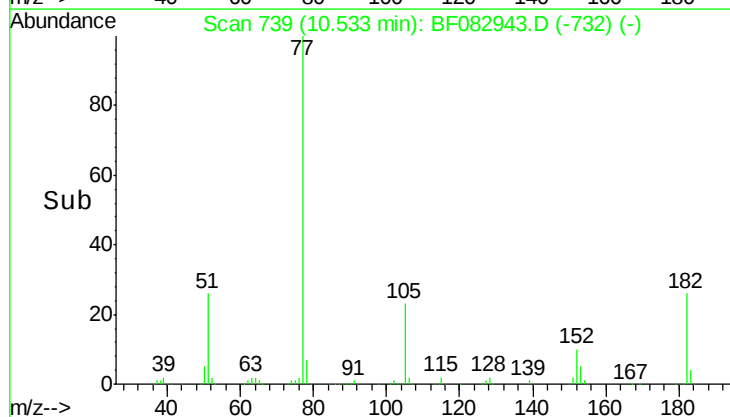
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

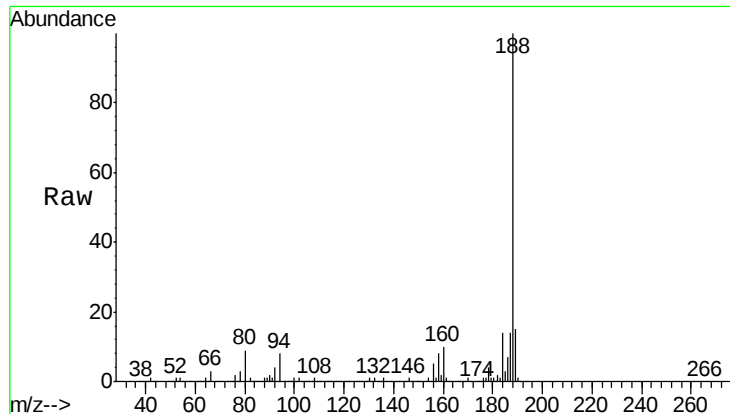
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 230951 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 60.7  | 45.8  | 85.8   |
| 108      | 82.3  | 89.4  | 129.4# |



#62  
 Azobenzene  
 Concen: 39.32 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 77    | Resp: | 1334502 |
| Ion      | Ratio | Lower | Upper   |
| 77       | 100   |       |         |
| 182      | 26.1  | 9.3   | 49.3    |
| 105      | 23.5  | 2.6   | 42.6    |
| 51       | 26.2  | 9.9   | 49.9    |

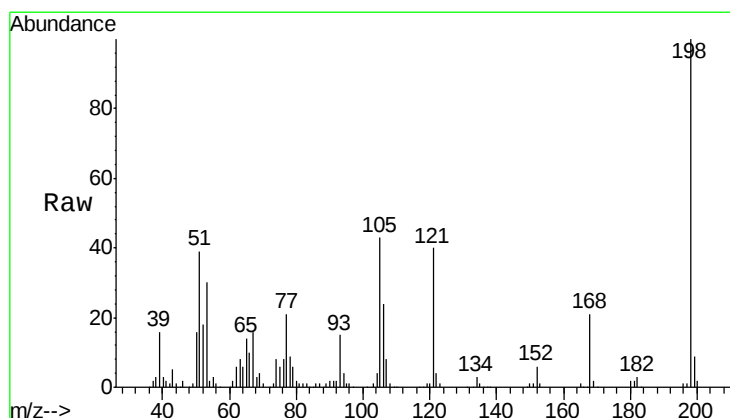
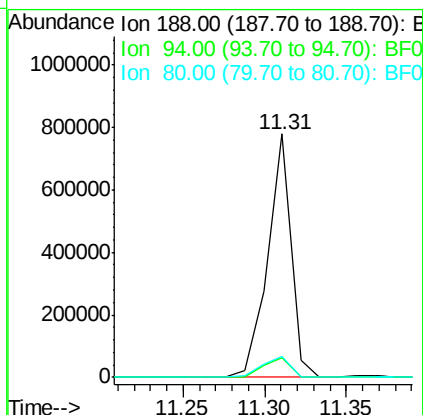
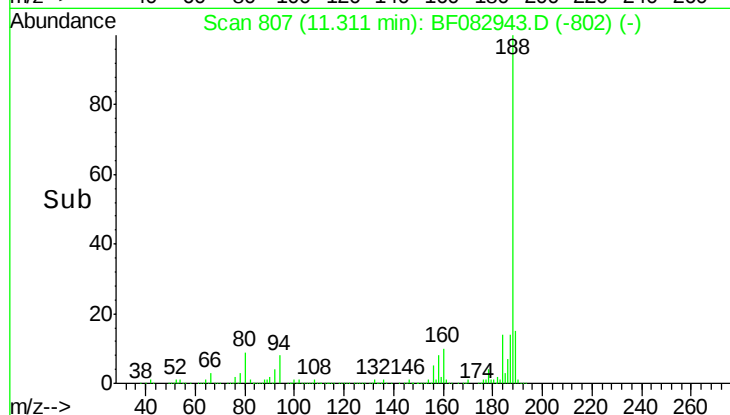




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.31 min Scan# 807  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

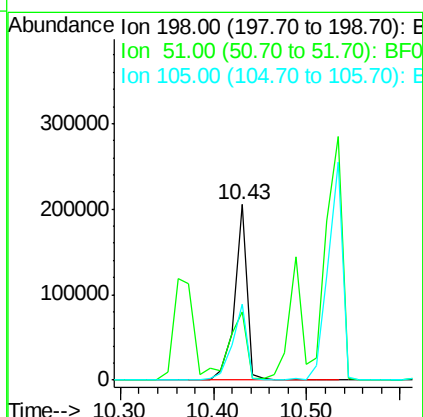
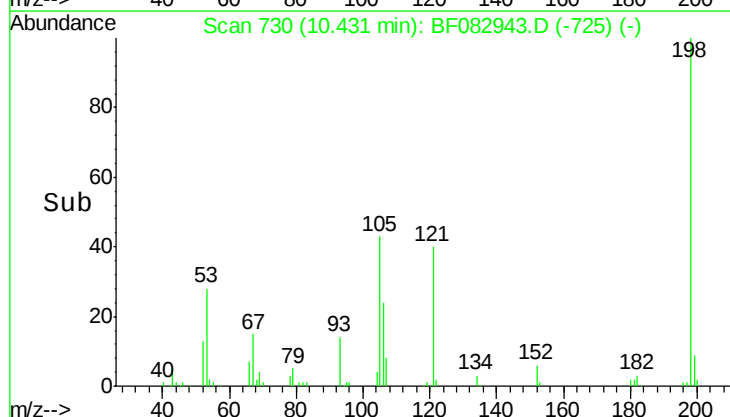
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

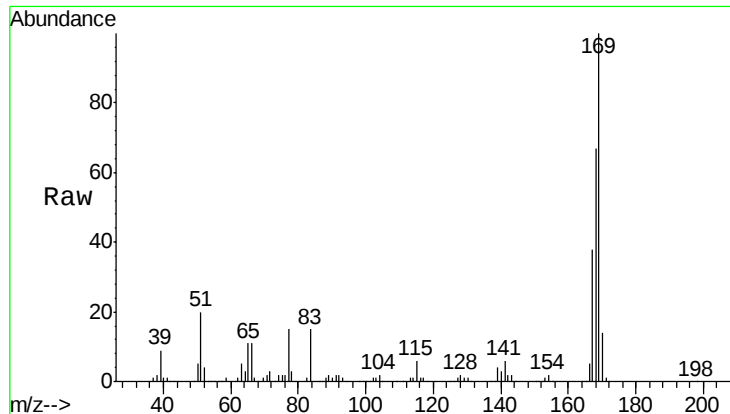
Tgt Ion:188 Resp: 777170  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 6.1 9.1  
 80 8.8 7.0 10.6



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 34.84 ng  
 RT: 10.43 min Scan# 730  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:198 Resp: 192882  
 Ion Ratio Lower Upper  
 198 100  
 51 38.8 17.3 57.3  
 105 43.3 21.7 61.7

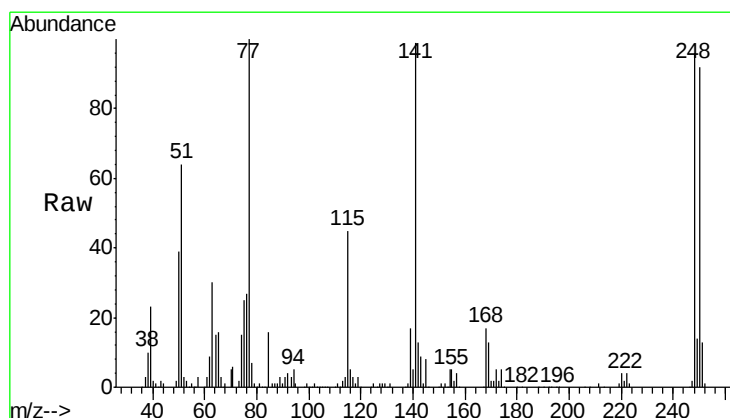
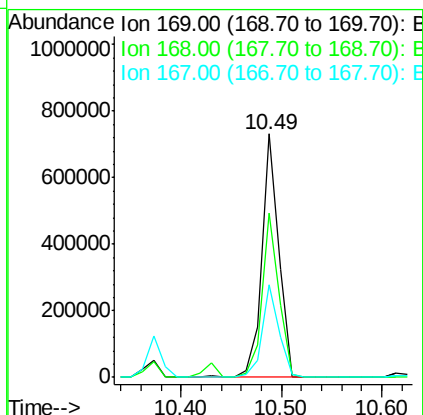
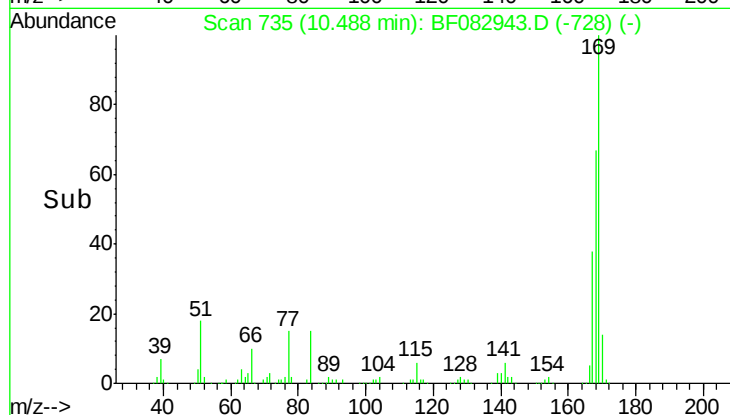




#65  
 n-Nitrosodiphenylamine  
 Concen: 30.13 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

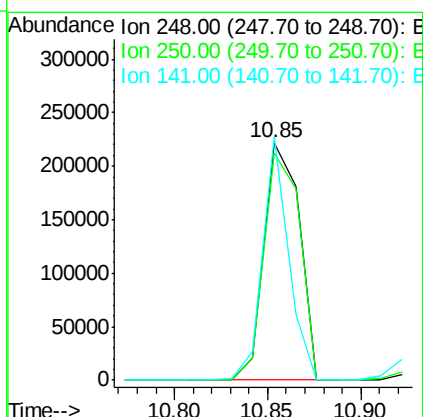
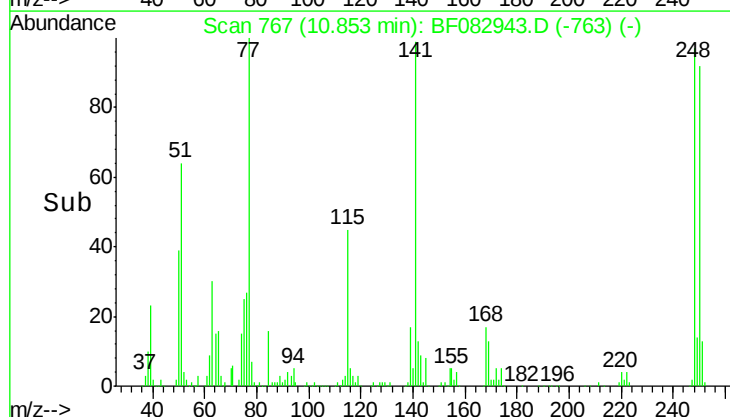
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

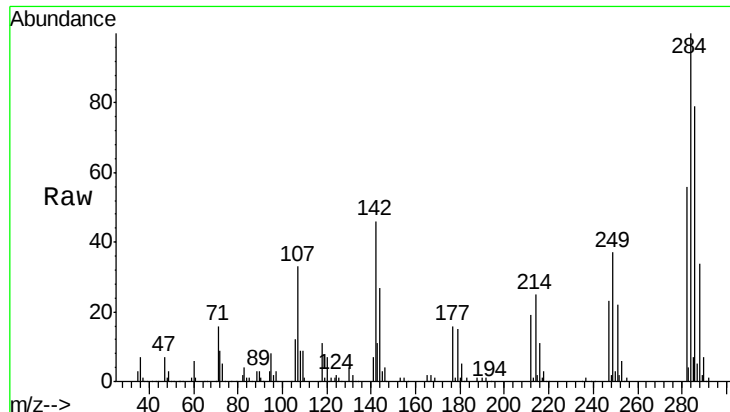
Tgt Ion:169 Resp: 845960  
 Ion Ratio Lower Upper  
 169 100  
 168 67.4 55.0 82.6  
 167 37.8 30.5 45.7



#66  
 4-Bromophenyl-phenylether  
 Concen: 31.19 ng  
 RT: 10.85 min Scan# 767  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:248 Resp: 291875  
 Ion Ratio Lower Upper  
 248 100  
 250 95.7 79.4 119.2  
 141 102.4 36.3 54.5#





#67

Hexachlorobenzene

Concen: 29.44 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

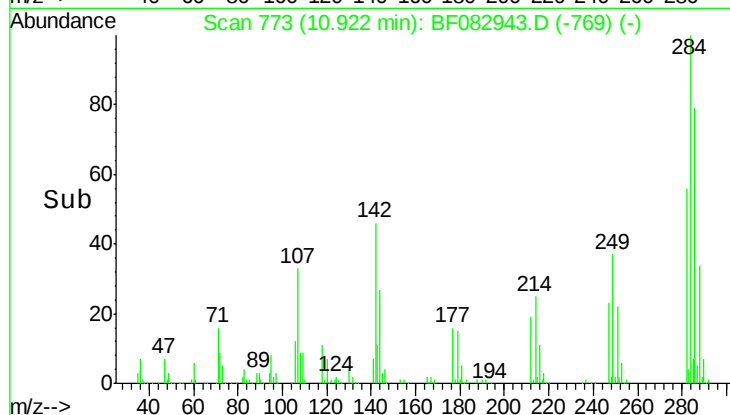
Tgt Ion:284 Resp: 307577

Ion Ratio Lower Upper

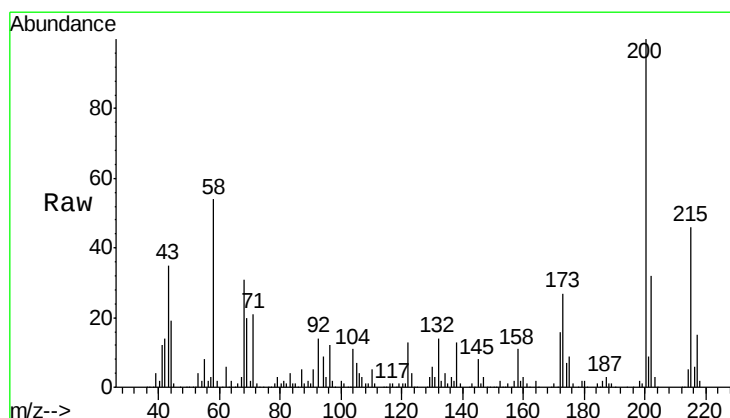
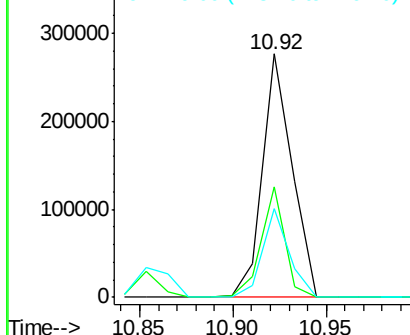
284 100

142 45.6 47.9 71.9#

249 36.6 29.7 44.5



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: 35.77 ng

RT: 11.02 min Scan# 782

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

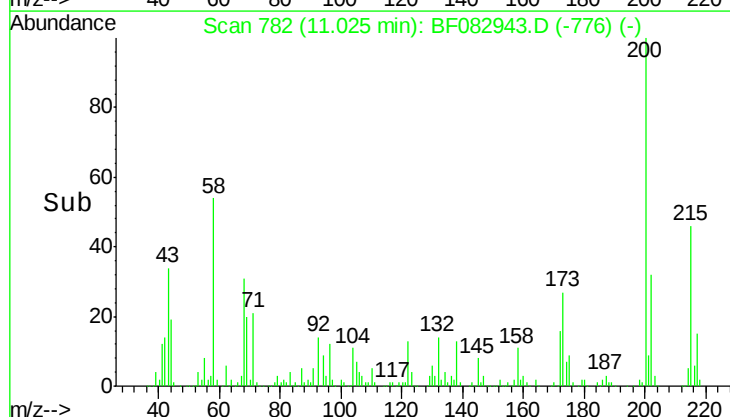
Tgt Ion:200 Resp: 310526

Ion Ratio Lower Upper

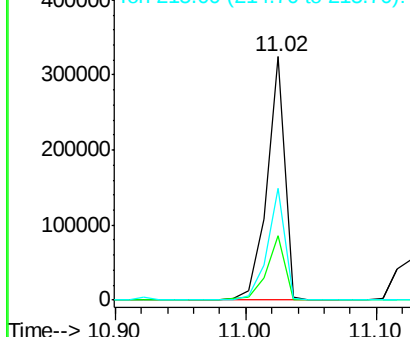
200 100

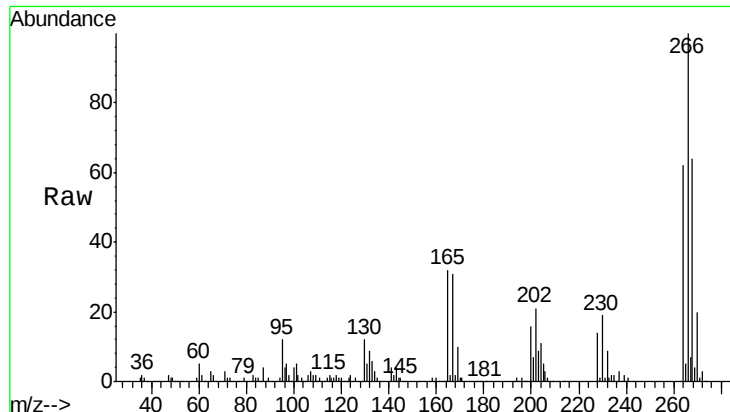
173 26.6 6.9 46.9

215 46.0 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

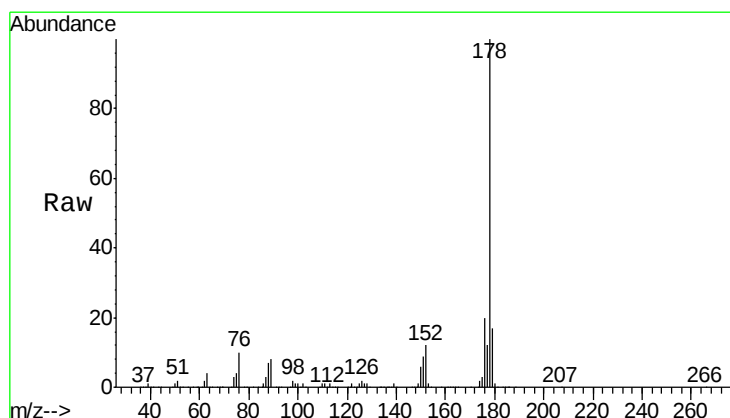
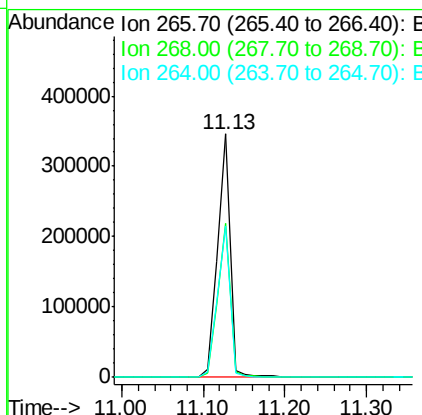
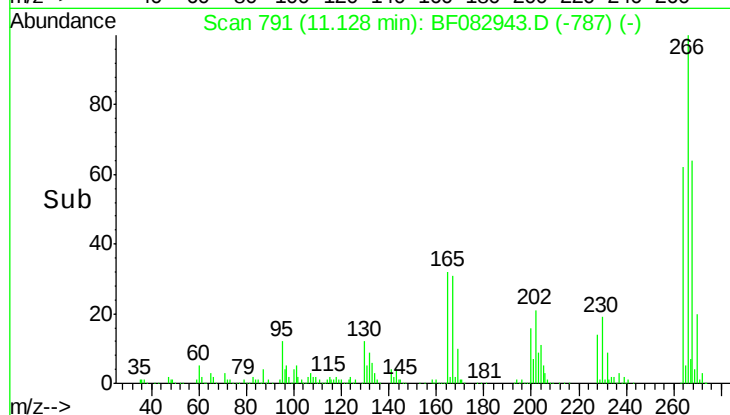




#69  
 Pentachlorophenol  
 Concen: 59.40 ng  
 RT: 11.13 min Scan# 791  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

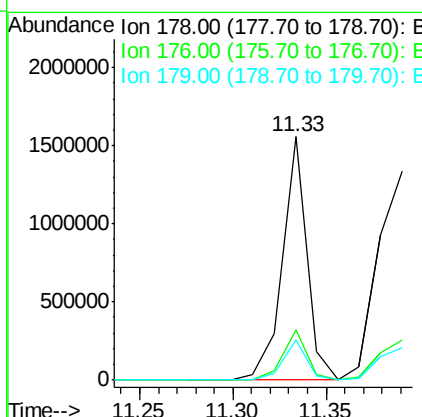
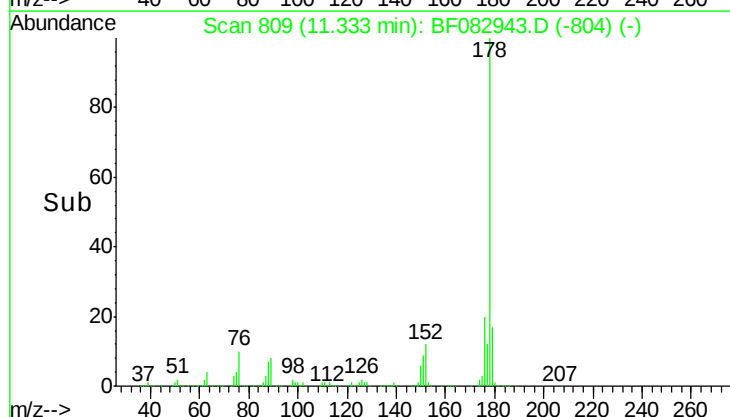
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

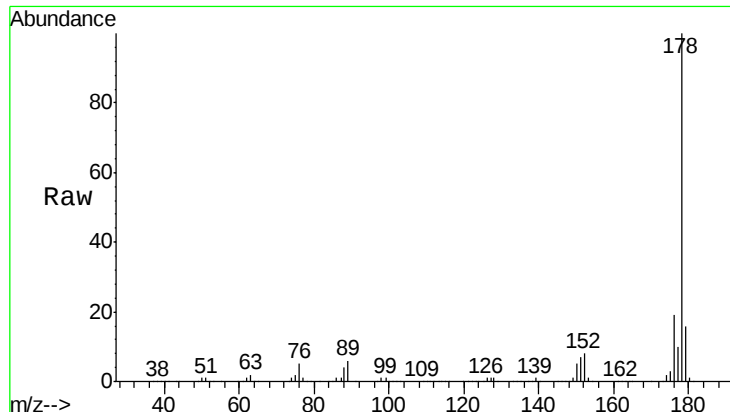
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 266   | Resp: | 376881 |
| Ion      | Ratio | Lower | Upper  |
| 266      | 100   |       |        |
| 268      | 63.5  | 51.0  | 76.6   |
| 264      | 62.0  | 50.6  | 75.8   |



#70  
 Phenanthrene  
 Concen: 31.61 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 178   | Resp: | 1426702 |
| Ion      | Ratio | Lower | Upper   |
| 178      | 100   |       |         |
| 176      | 20.5  | 17.0  | 25.4    |
| 179      | 16.6  | 13.4  | 20.0    |

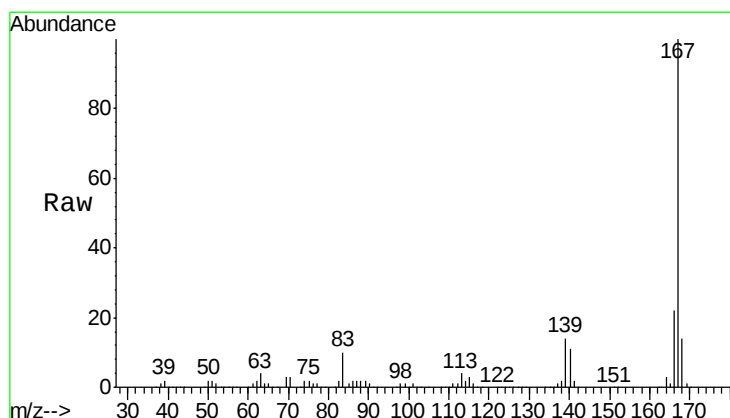
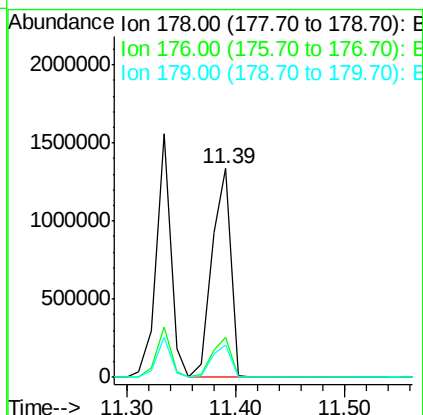
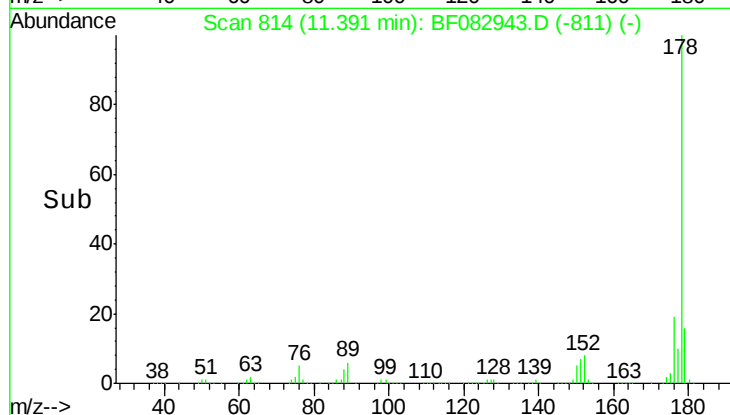




#71  
 Anthracene  
 Concen: 34.09 ng  
 RT: 11.39 min Scan# 814  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

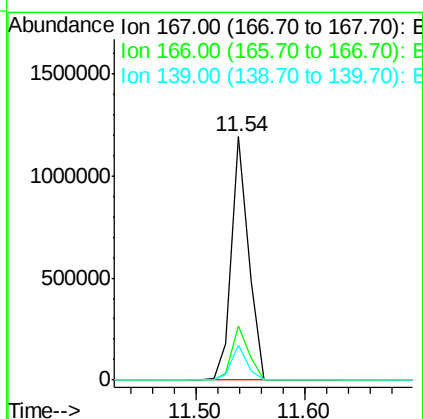
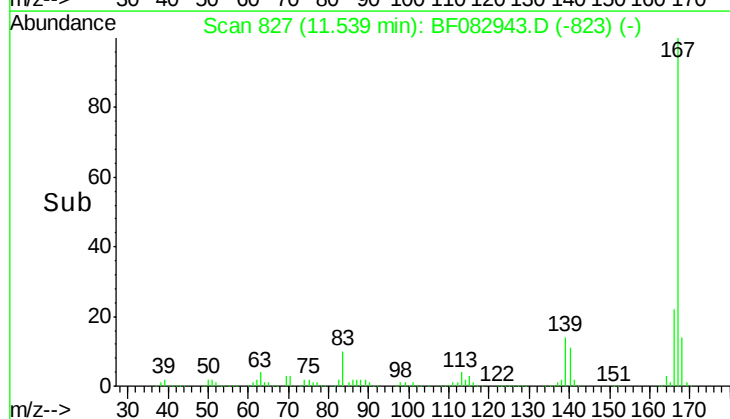
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

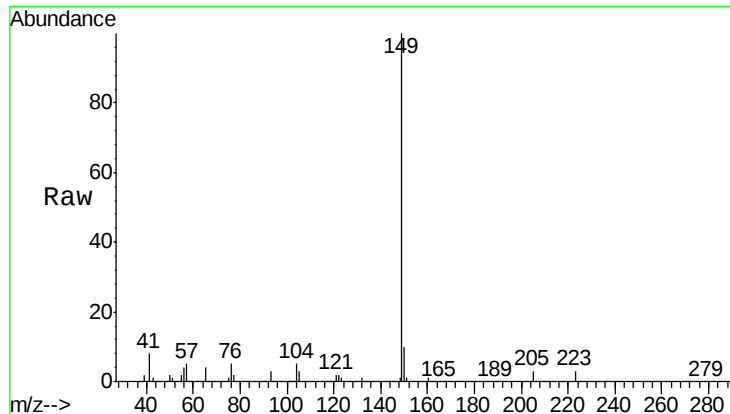
Tgt Ion:178 Resp: 1620724  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 16.5 24.7  
 179 15.8 13.2 19.8



#72  
 Carbazole  
 Concen: 30.83 ng  
 RT: 11.54 min Scan# 827  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:167 Resp: 1283012  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 18.7 28.1  
 139 14.2 11.8 17.6

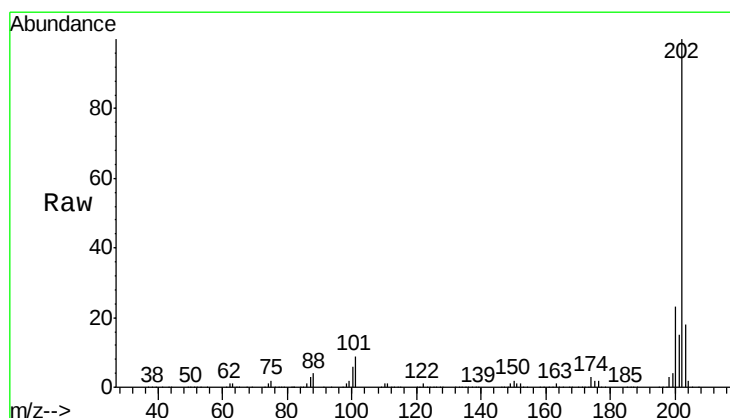
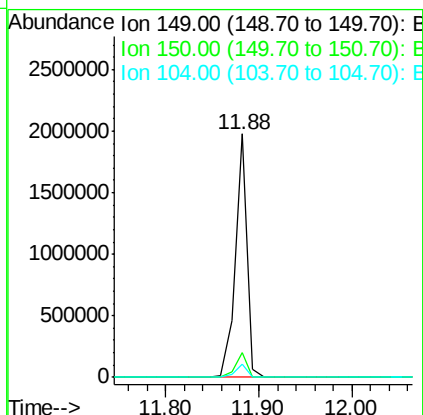
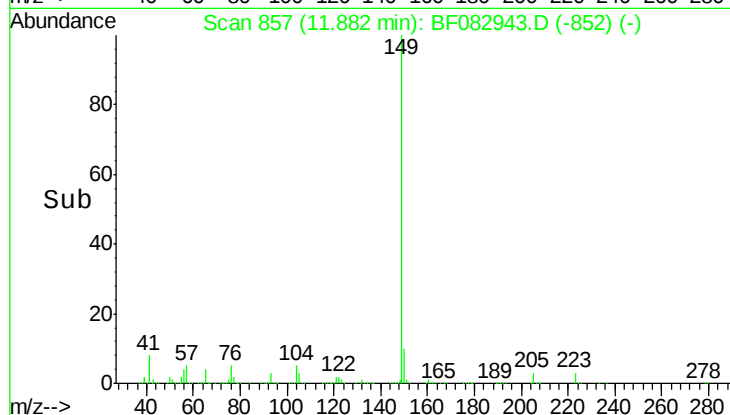




#73  
Di-n-butylphthalate  
Concen: 33.47 ng  
RT: 11.88 min Scan# 857  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

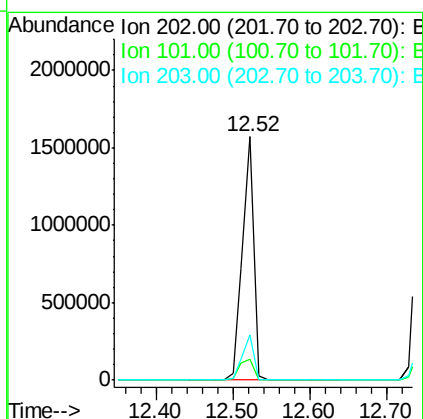
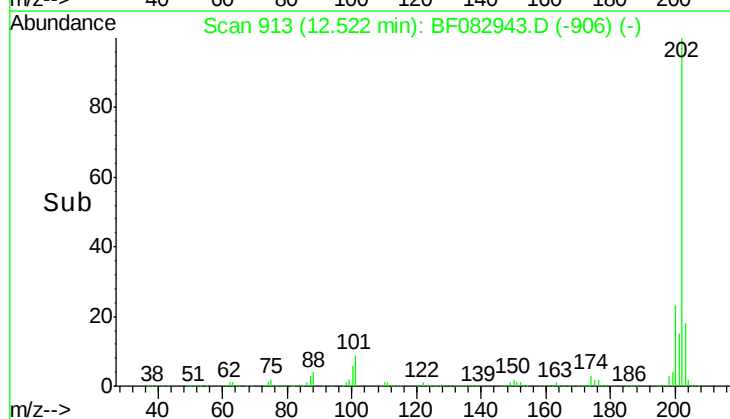
Instrument :  
BNA\_F  
ClientSampleId :  
PB86620BS

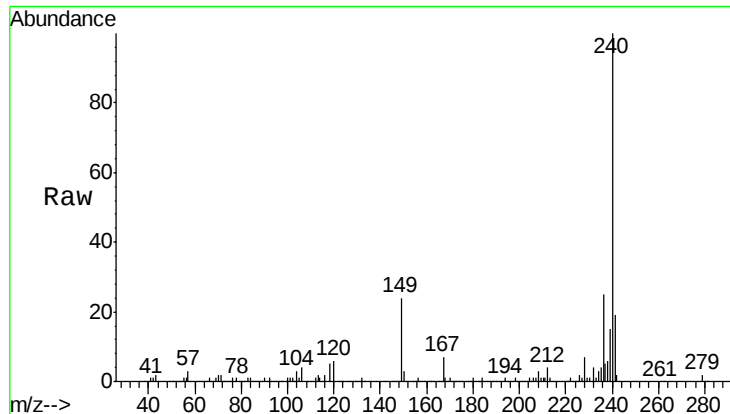
Tgt Ion:149 Resp: 1735392  
Ion Ratio Lower Upper  
149 100  
150 10.0 8.1 12.1  
104 5.3 5.2 7.8



#74  
Fluoranthene  
Concen: 33.73 ng  
RT: 12.52 min Scan# 913  
Delta R.T. -0.07 min  
Lab File: BF082943.D  
Acq: 16 Nov 2015 17:33

Tgt Ion:202 Resp: 1633422  
Ion Ratio Lower Upper  
202 100  
101 8.7 0.0 30.5  
203 18.4 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

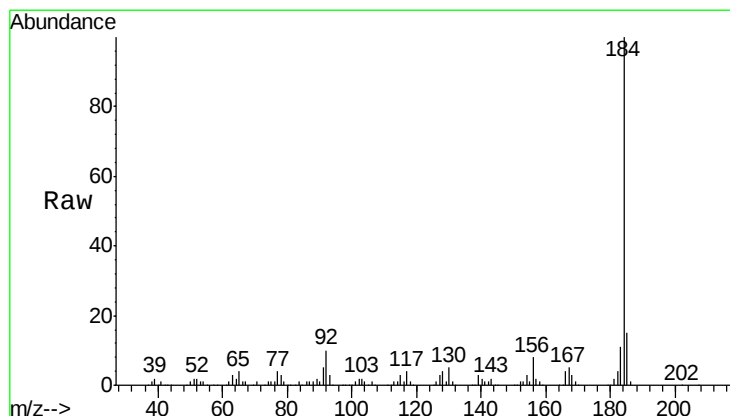
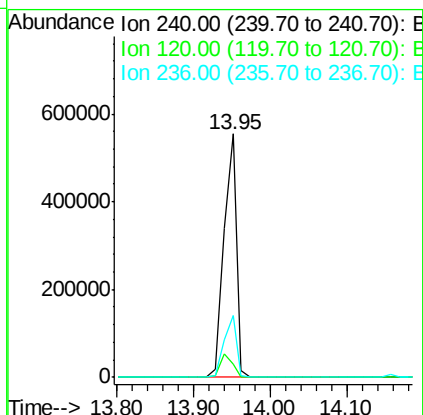
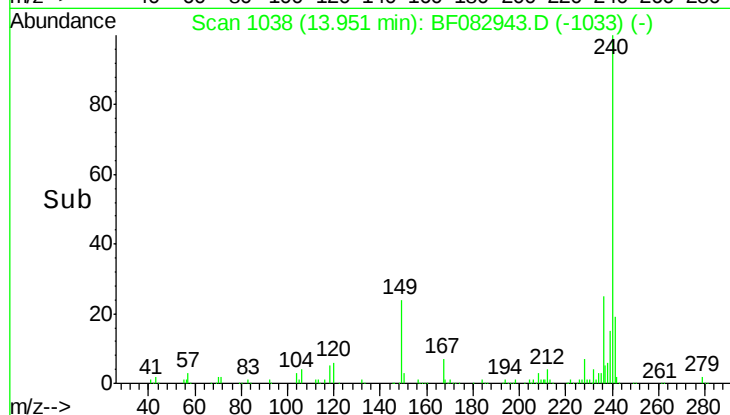
Tgt Ion:240 Resp: 641370

Ion Ratio Lower Upper

240 100

120 5.6 10.9 16.3#

236 25.3 21.6 32.4



#76

Benzidine

Concen: 23.73 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

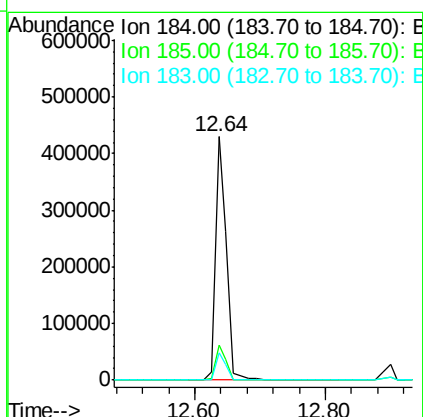
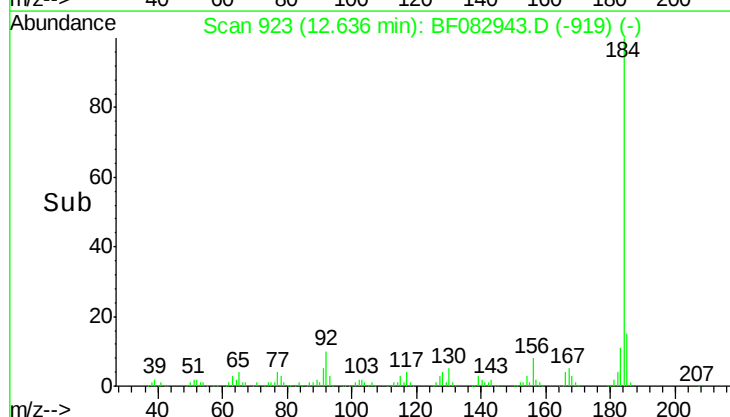
Tgt Ion:184 Resp: 510100

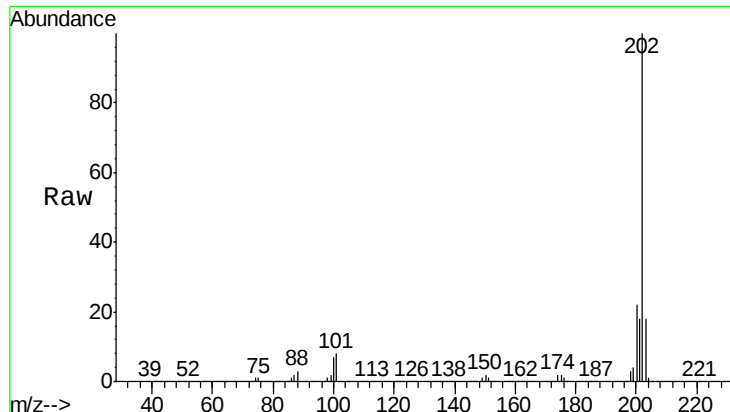
Ion Ratio Lower Upper

184 100

185 14.5 12.0 18.0

183 11.4 9.6 14.4





#77

Pyrene

Concen: 38.66 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

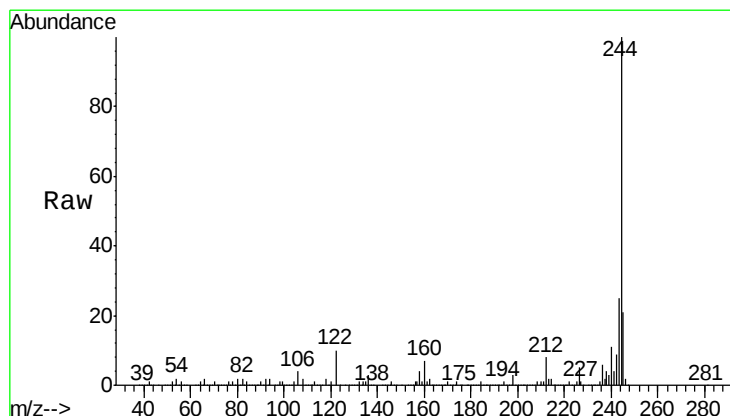
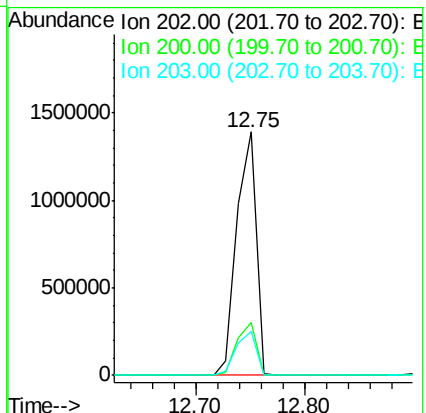
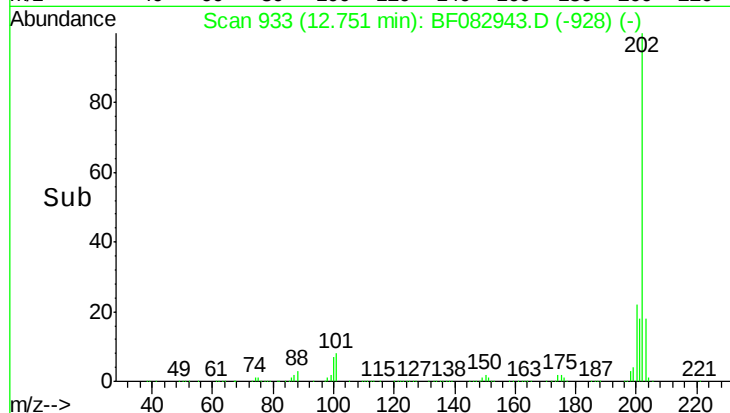
Tgt Ion:202 Resp: 1702832

Ion Ratio Lower Upper

202 100

200 21.8 18.7 28.1

203 18.0 14.8 22.2



#78

Terphenyl-d14

Concen: 74.82 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.07 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

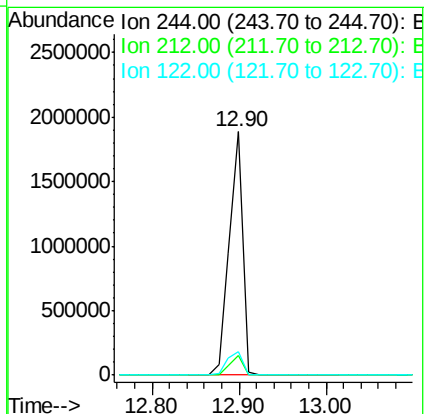
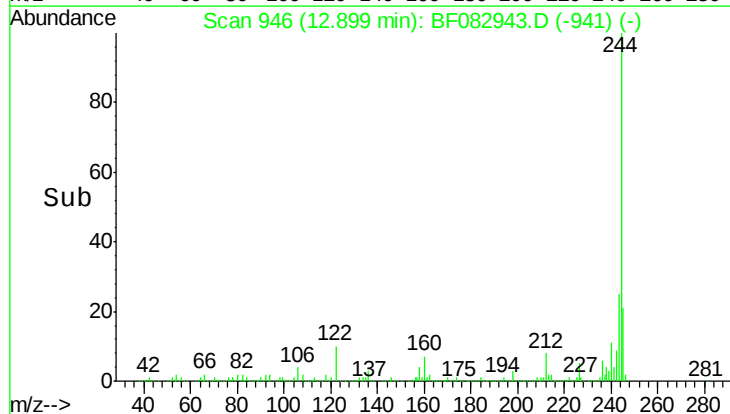
Tgt Ion:244 Resp: 2023155

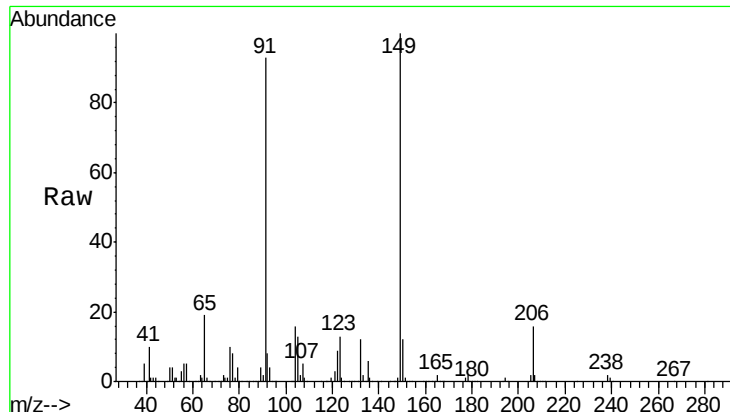
Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

122 9.6 11.3 16.9#

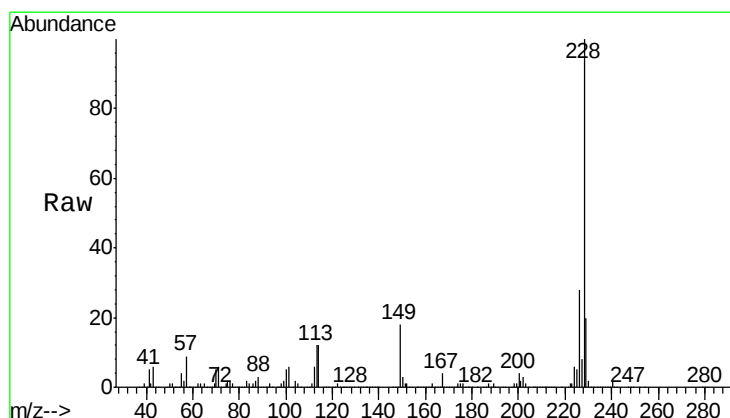
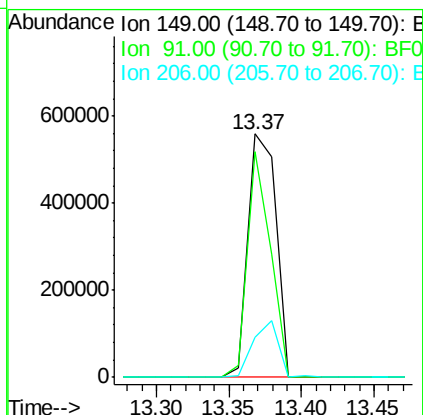
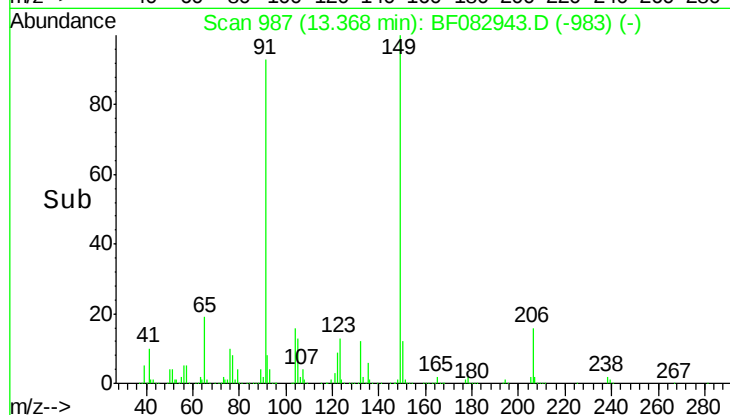




#79  
 Butylbenzylphthalate  
 Concen: 38.46 ng  
 RT: 13.37 min Scan# 987  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

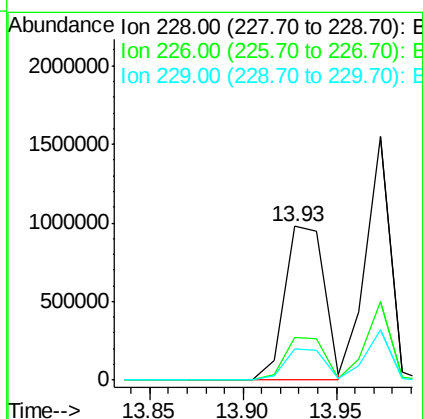
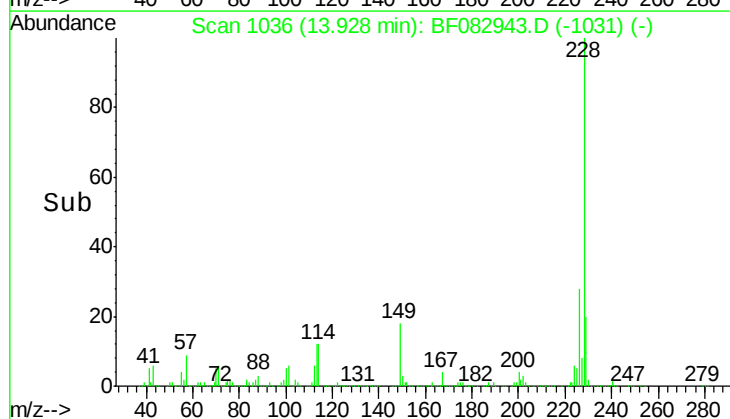
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

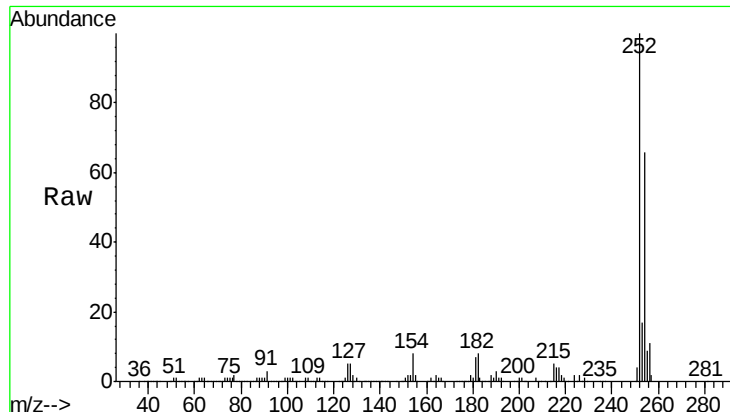
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 748300 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 91       | 92.7  | 67.7  | 101.5  |
| 206      | 16.3  | 14.6  | 22.0   |



#80  
 Benzo(a)anthracene  
 Concen: 35.77 ng  
 RT: 13.93 min Scan# 1036  
 Delta R.T. -0.08 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 228   | Resp: | 1434451 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 27.9  | 23.4  | 35.2    |
| 229      | 20.3  | 16.3  | 24.5    |

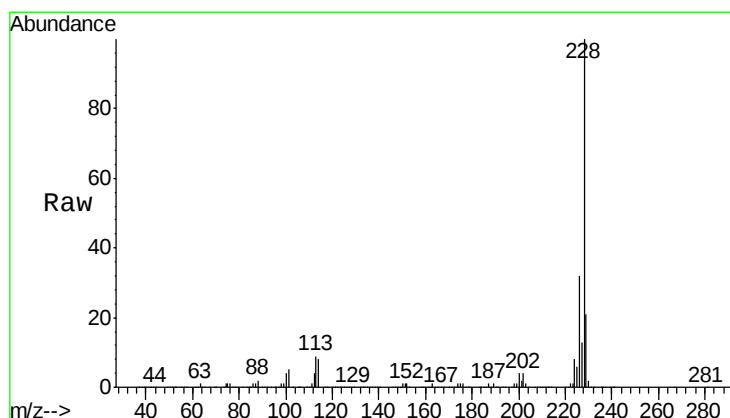
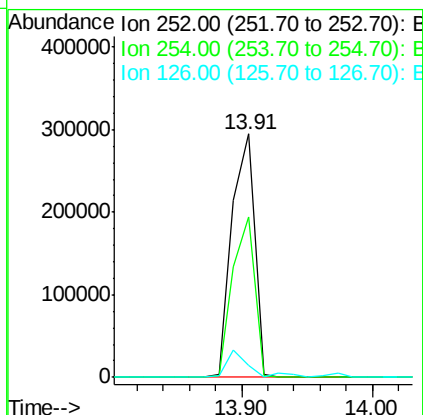
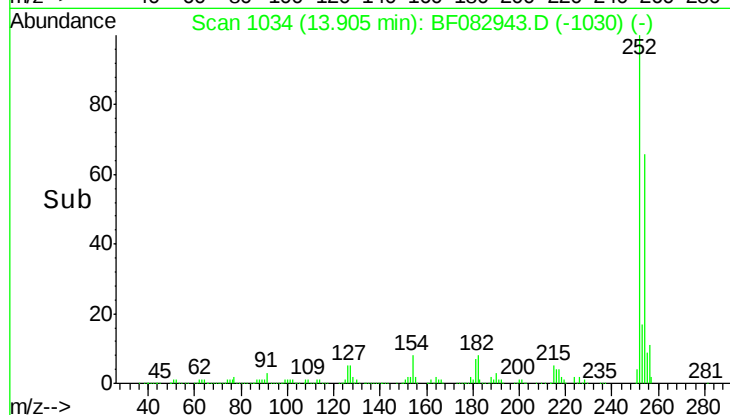




#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.91 ng  
 RT: 13.91 min Scan# 1034  
 Delta R.T. -0.06 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

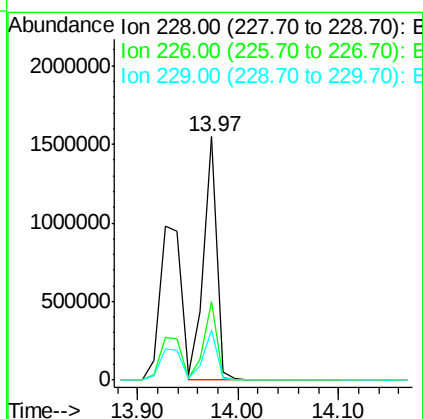
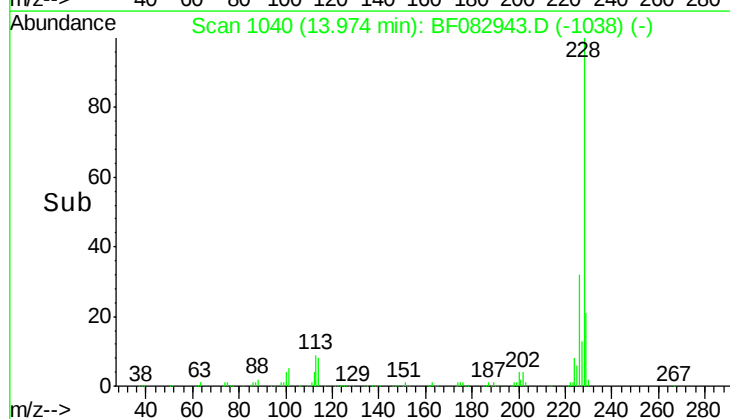
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

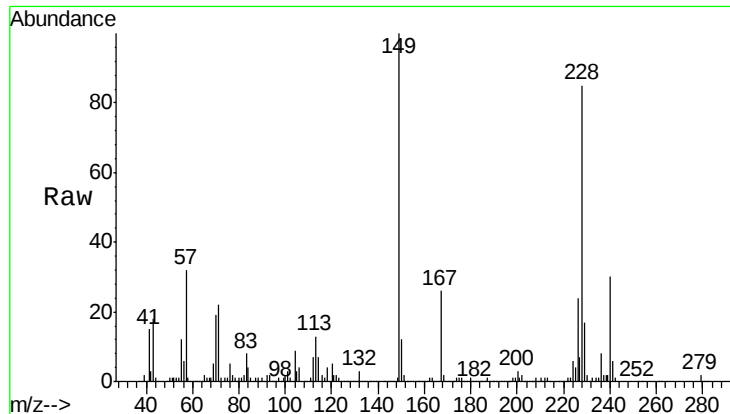
Tgt Ion:252 Resp: 355209  
 Ion Ratio Lower Upper  
 252 100  
 254 65.8 51.4 77.0  
 126 4.9 10.7 16.1#



#82  
 Chrysene  
 Concen: 38.41 ng  
 RT: 13.97 min Scan# 1040  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:228 Resp: 1410987  
 Ion Ratio Lower Upper  
 228 100  
 226 32.1 25.5 38.3  
 229 20.8 16.3 24.5

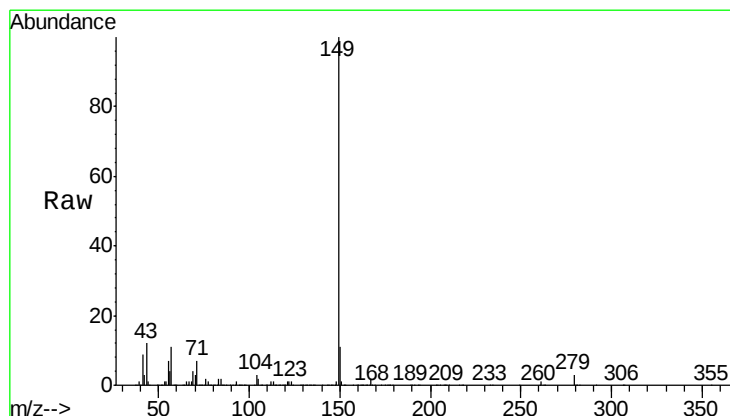
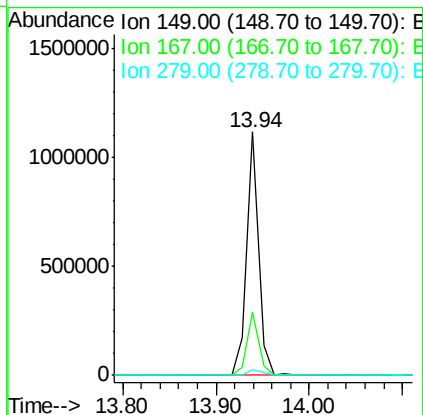
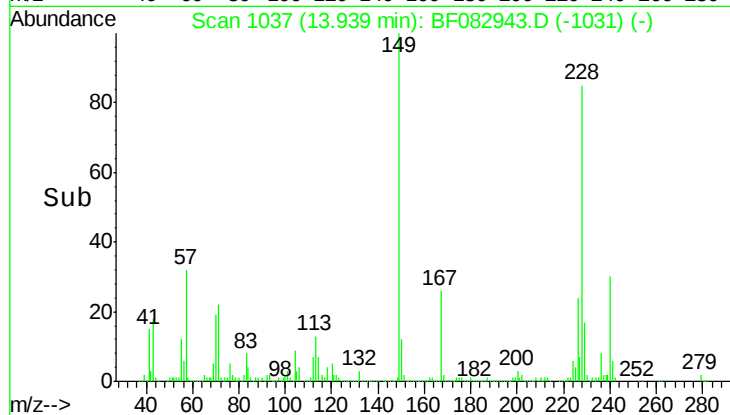




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 37.14 ng  
 RT: 13.94 min Scan# 1037  
 Delta R.T. -0.07 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

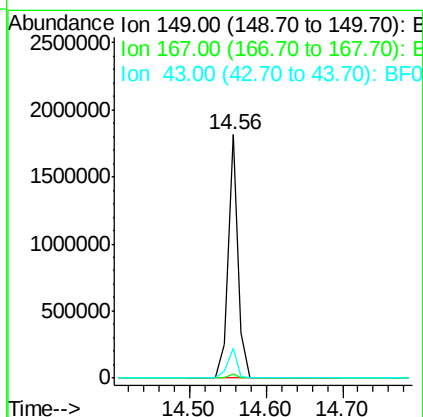
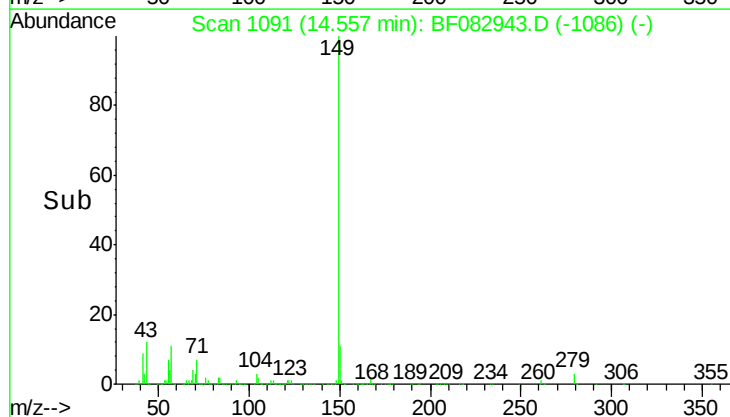
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

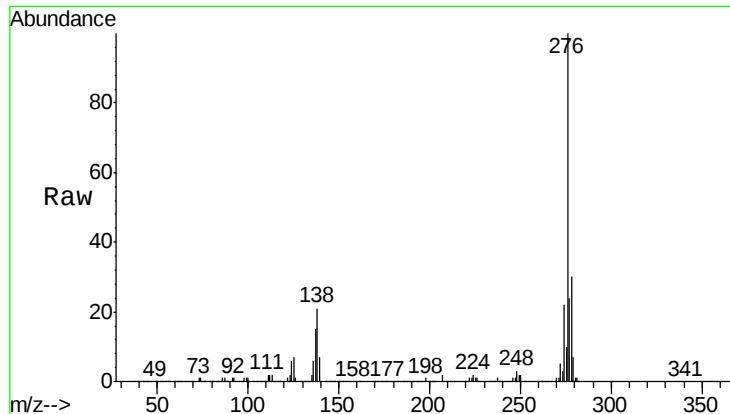
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 989073 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 26.2  | 21.2  | 31.8   |
| 279      | 2.5   | 2.2   | 3.2    |



#84  
 Di-n-octyl phthalate  
 Concen: 37.25 ng  
 RT: 14.56 min Scan# 1091  
 Delta R.T. -0.08 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1654692 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 1.6   | 1.3   | 1.9     |
| 43       | 12.1  | 10.1  | 15.1    |

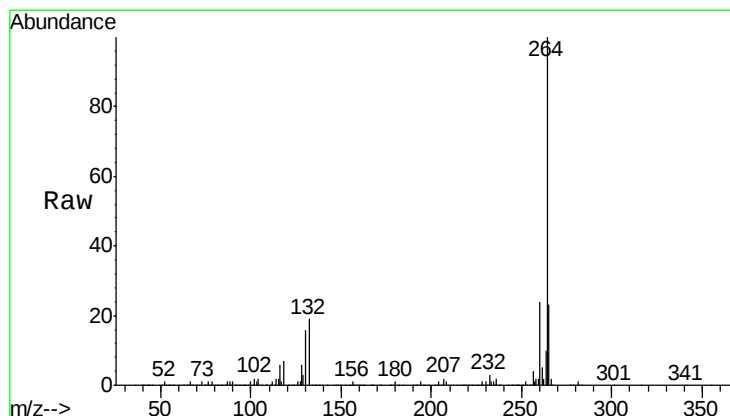
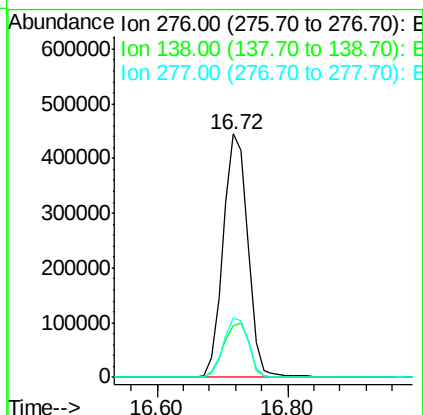
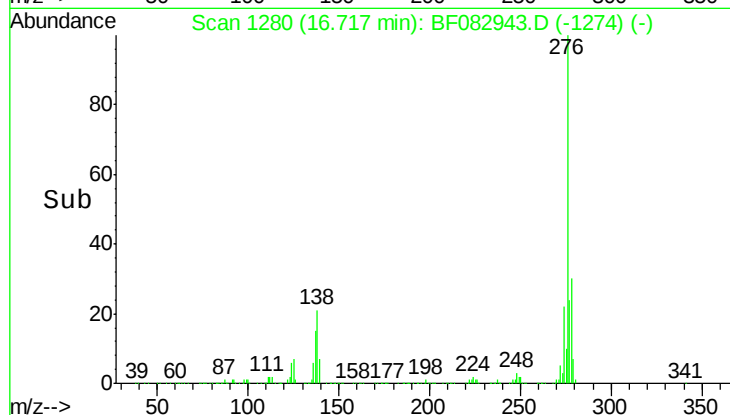




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.90 ng  
 RT: 16.72 min Scan# 1280  
 Delta R.T. -0.14 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

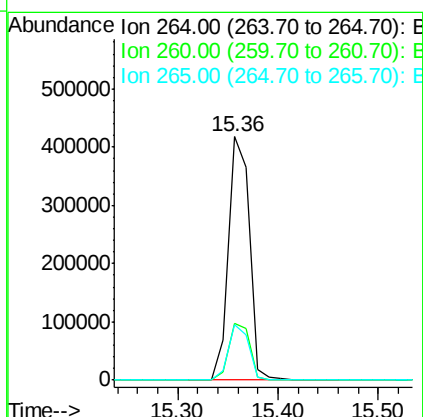
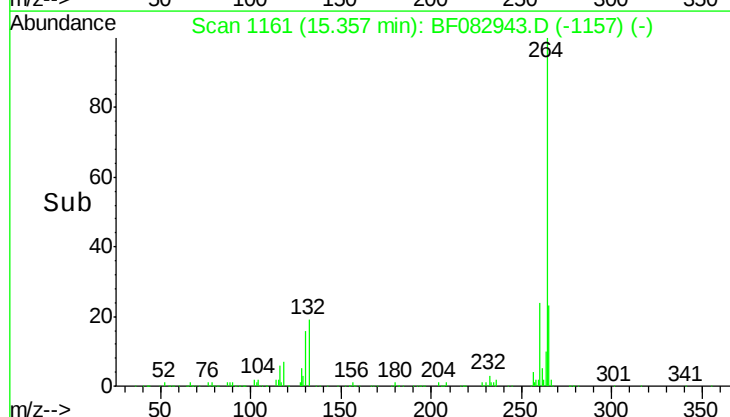
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86620BS

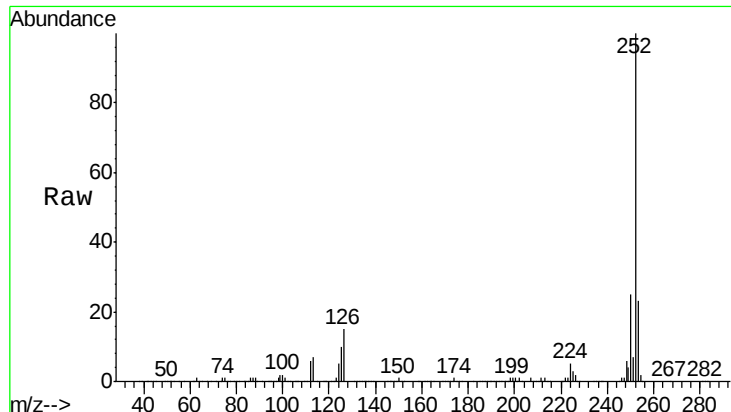
Tgt Ion:276 Resp: 1167262  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 15.3 22.9#  
 277 24.8 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.36 min Scan# 1161  
 Delta R.T. -0.10 min  
 Lab File: BF082943.D  
 Acq: 16 Nov 2015 17:33

Tgt Ion:264 Resp: 606793  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.8 29.6  
 265 22.6 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 62.08 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.06 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

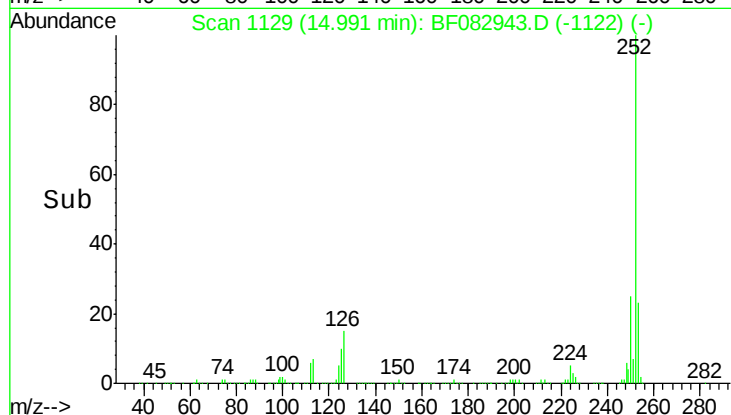
Tgt Ion:252 Resp: 2417952

Ion Ratio Lower Upper

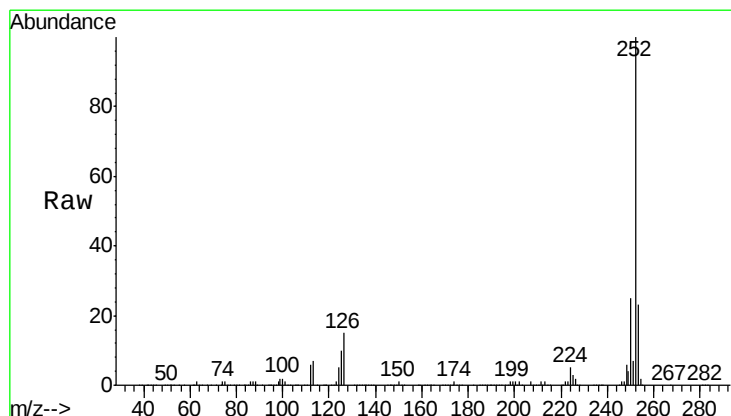
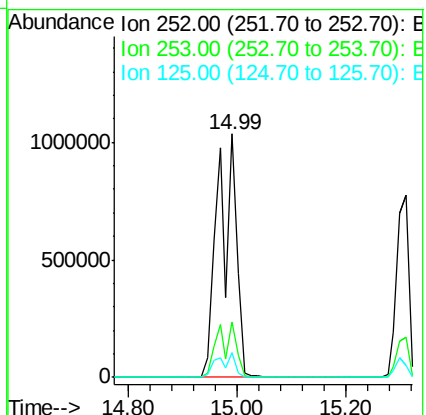
252 100

253 23.0 17.8 26.8

125 10.4 5.4 8.2#



Scan 1129 (14.991 min): BF082943.D (-1122) (-)



#88

Benzo(k)fluoranthene

Concen: 69.99 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.09 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

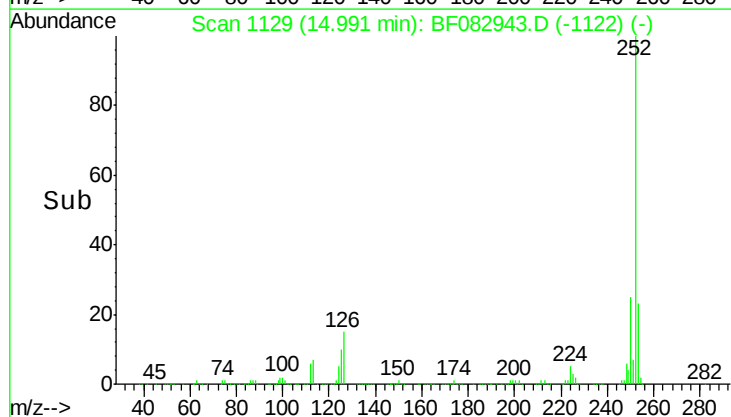
Tgt Ion:252 Resp: 2418392

Ion Ratio Lower Upper

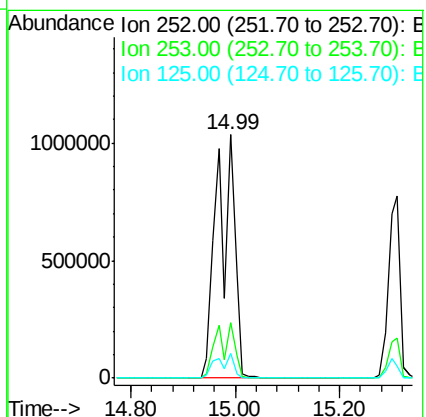
252 100

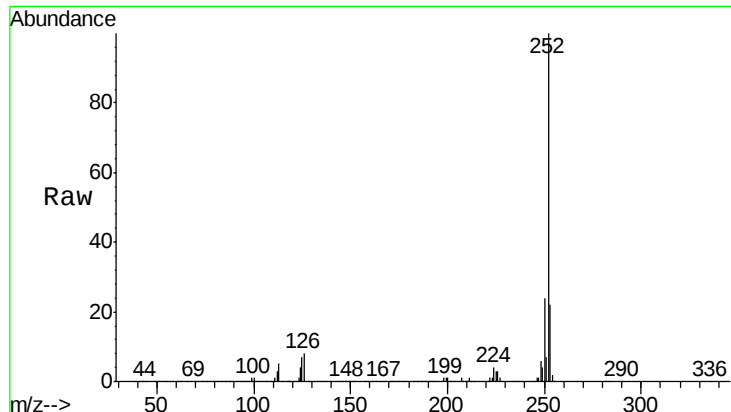
253 23.0 17.9 26.9

125 10.4 3.5 5.3#



Scan 1129 (14.991 min): BF082943.D (-1122) (-)





#89

Benzo(a)pyrene

Concen: 35.66 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.09 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

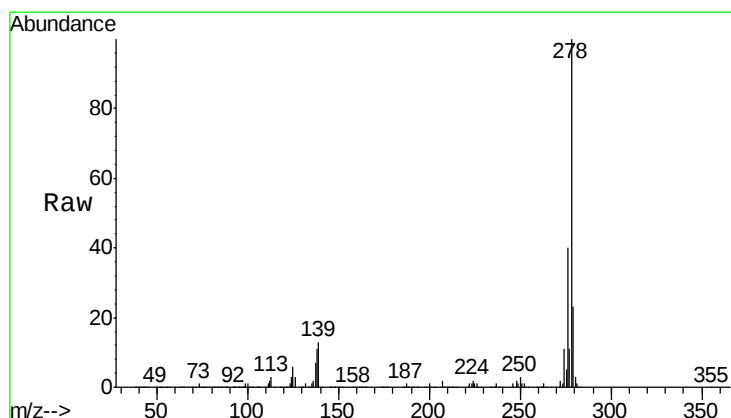
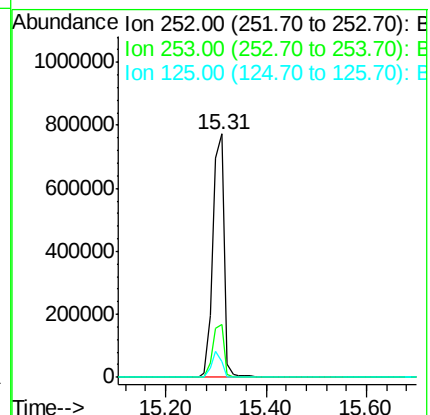
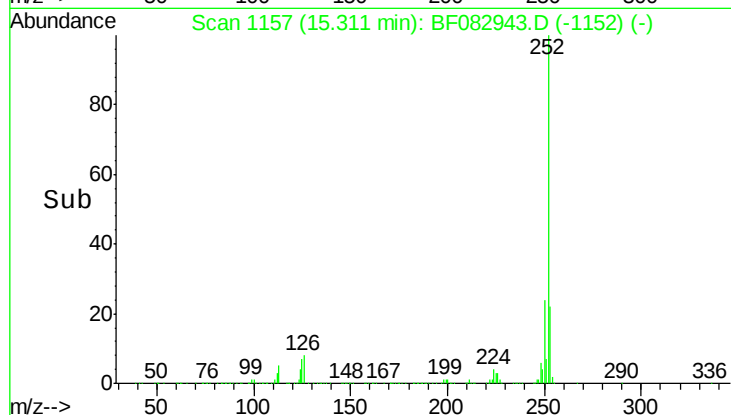
Tgt Ion:252 Resp: 1203180

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 6.6 7.1 10.7#



#90

Dibenzo(a,h)anthracene

Concen: 34.05 ng

RT: 16.74 min Scan# 1282

Delta R.T. -0.13 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

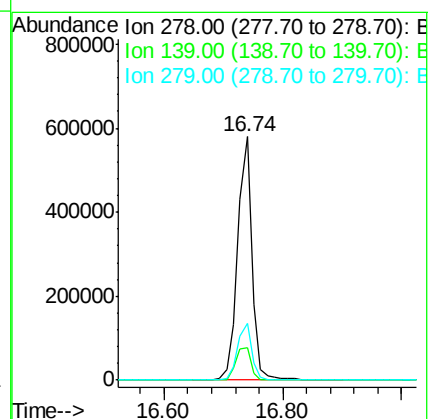
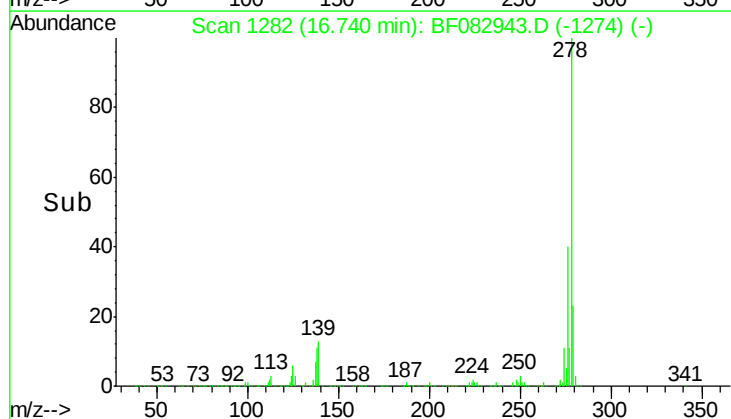
Tgt Ion:278 Resp: 972909

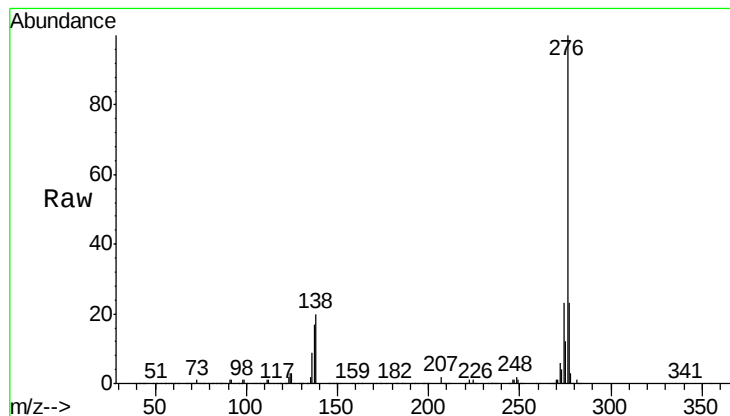
Ion Ratio Lower Upper

278 100

139 13.5 9.9 14.9

279 23.3 19.6 29.4





#91

Benzo(g,h,i)perylene

Concen: 34.98 ng

RT: 17.13 min Scan# 1316

Delta R.T. -0.14 min

Lab File: BF082943.D

Acq: 16 Nov 2015 17:33

Instrument :

BNA\_F

ClientSampleId :

PB86620BS

Tgt Ion:276 Resp: 957299

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 19.7 13.1 19.7#

