

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
 Data File : BF079438.D  
 Acq On : 22 May 2015 17:37  
 Operator : TP/IZ  
 Sample : PB83558BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

Manual Integrations  
 APPROVED

apatel  
 5/27/2015 8:15:43 AM

Quant Time: May 22 23:45:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 22:53:44 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.05  | 152  | 66919    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.63  | 136  | 279293   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.80 | 164  | 138979   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.64 | 188  | 267260   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 15.93 | 240  | 247343   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 17.75 | 264  | 248760   | 20.00 | ng    | -0.10    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 392275m | 100.91 | ng | 0.01 |
| 7) Phenol-d6             | 6.63  | 99  | 497064  | 96.73  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.75  | 82  | 481847  | 99.15  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.78 | 330 | 150731  | 100.25 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.98  | 172 | 962893  | 96.53  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.63 | 244 | 1077403 | 104.29 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.93 | 88  | 66164m  | 39.14 | ng |        |
| 3) Pyridine                    | 2.59 | 79  | 192122m | 38.84 | ng |        |
| 4) n-Nitrosodimethylamine      | 2.51 | 42  | 91493m  | 43.17 | ng |        |
| 6) Aniline                     | 6.64 | 93  | 176234m | 24.30 | ng |        |
| 8) 2-Chlorophenol              | 6.79 | 128 | 204047  | 46.28 | ng | # 82   |
| 9) Benzaldehyde                | 6.50 | 77  | 34046m  | 9.83  | ng |        |
| 10) Phenol                     | 6.65 | 94  | 258631  | 43.39 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.74 | 93  | 188035  | 43.03 | ng | 87     |
| 12) 1,3-Dichlorobenzene        | 6.97 | 146 | 213772  | 43.13 | ng | # 94   |
| 13) 1,4-Dichlorobenzene        | 7.07 | 146 | 219460  | 43.03 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.26 | 146 | 208384  | 43.89 | ng | 97     |
| 15) Benzyl Alcohol             | 7.24 | 79  | 173557m | 45.50 | ng |        |
| 16) 2,2'-oxybis(1-Chloropropan | 7.42 | 45  | 272126  | 40.70 | ng | 95     |
| 17) 2-Methylphenol             | 7.39 | 107 | 160784  | 45.31 | ng | 95     |
| 18) Hexachloroethane           | 7.67 | 117 | 76019   | 43.27 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.58 | 70  | 141155  | 40.67 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.60 | 107 | 221790  | 46.91 | ng | # 42   |
| 22) Acetophenone               | 7.56 | 105 | 278674  | 44.16 | ng | # 89   |
| 24) Nitrobenzene               | 7.77 | 77  | 207160  | 43.01 | ng | 91     |
| 25) Isophorone                 | 8.08 | 82  | 381328  | 42.33 | ng | 98     |
| 26) 2-Nitrophenol              | 8.17 | 139 | 96514   | 48.41 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 8.24 | 122 | 188260  | 47.19 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.35 | 93  | 240457  | 43.29 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.47 | 162 | 180233  | 50.80 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.56 | 180 | 168830  | 43.32 | ng | 96     |
| 31) Naphthalene                | 8.65 | 128 | 578933  | 43.50 | ng | 99     |
| 32) Benzoic acid               | 8.38 | 122 | 116241m | 46.71 | ng |        |
| 33) 4-Chloroaniline            | 8.74 | 127 | 140804  | 25.00 | ng | # 89   |
| 34) Hexachlorobutadiene        | 8.81 | 225 | 95288   | 42.46 | ng | 97     |
| 35) Caprolactam                | 9.18 | 113 | 53617m  | 46.74 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 9.36 | 107 | 188981  | 50.72 | ng | 97     |
| 37) 2-Methylnaphthalene        | 9.52 | 142 | 414372  | 44.93 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.72 | 216 | 163971  | 41.89 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.70 | 237 | 110919  | 56.35 | ng | 95     |

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Instrument :  
 BNA\_F  
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 PB83558BS

Manual Integrations  
 APPROVED

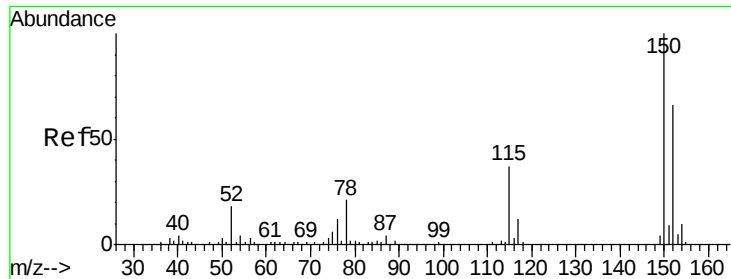
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 5/27/2015 8:15:43 AM

Quant Time: May 22 23:45:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.87  | 196  | 117809   | 43.78 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.92  | 196  | 122013   | 44.85 | nq #  | 86       |
| 45) 1,1'-Biphenyl              | 10.10 | 154  | 483861   | 43.79 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.11 | 162  | 370809   | 43.03 | nq    | 97       |
| 47) 2-Nitroaniline             | 10.25 | 65   | 111339   | 44.59 | nq    | 92       |
| 48) Acenaphthylene             | 10.63 | 152  | 615642   | 43.51 | nq    | 98       |
| 49) Dimethylphthalate          | 10.49 | 163  | 455038   | 44.61 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.56 | 165  | 92739    | 46.07 | nq #  | 38       |
| 51) Acenaphthene               | 10.83 | 154  | 346872   | 41.11 | nq    | 99       |
| 52) 3-Nitroaniline             | 10.77 | 138  | 82721    | 32.90 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 10.91 | 184  | 34739    | 53.12 | nq #  | 56       |
| 54) Dibenzofuran               | 11.05 | 168  | 534083   | 43.82 | nq    | 97       |
| 55) 4-Nitrophenol              | 10.99 | 139  | 134243   | 67.45 | nq    | 94       |
| 56) 2,4-Dinitrotoluene         | 11.06 | 165  | 128413   | 48.25 | nq    | 91       |
| 57) Fluorene                   | 11.47 | 166  | 435029   | 43.48 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.21 | 232  | 93551    | 42.08 | nq    | 99       |
| 59) Diethylphthalate           | 11.37 | 149  | 451457   | 44.68 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 11.49 | 204  | 188843   | 42.55 | nq    | 91       |
| 61) 4-Nitroaniline             | 11.52 | 138  | 94741    | 37.66 | nq    | 99       |
| 62) Azobenzene                 | 11.68 | 77   | 430834   | 43.27 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 11.57 | 198  | 37759    | 37.31 | nq #  | 65       |
| 65) n-Nitrosodiphenylamine     | 11.63 | 169  | 382522   | 42.98 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.09 | 248  | 123646   | 44.39 | nq    | 95       |
| 67) Hexachlorobenzene          | 12.15 | 284  | 138218   | 43.41 | nq #  | 84       |
| 68) Atrazine                   | 12.32 | 200  | 124056   | 47.93 | nq    | 97       |
| 69) Pentachlorophenol          | 12.41 | 266  | 115474   | 63.53 | nq    | 97       |
| 70) Phenanthrene               | 12.66 | 178  | 623351   | 41.69 | nq    | 99       |
| 71) Anthracene                 | 12.73 | 178  | 658941   | 44.92 | nq    | 99       |
| 72) Carbazole                  | 12.94 | 167  | 610031   | 43.63 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.39 | 149  | 745289   | 44.45 | nq    | 98       |
| 74) Fluoranthene               | 14.14 | 202  | 666910   | 42.81 | nq    | 97       |
| 76) Benzidine                  | 14.32 | 184  | 311728   | 46.76 | nq    | 98       |
| 77) Pyrene                     | 14.41 | 202  | 693272   | 48.64 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.26 | 149  | 314363   | 50.46 | nq    | 89       |
| 80) Benzo(a)anthracene         | 15.92 | 228  | 624051   | 46.07 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 15.90 | 252  | 169466   | 35.13 | nq #  | 98       |
| 82) Chrysene                   | 15.97 | 228  | 585582   | 44.95 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 15.99 | 149  | 466197   | 49.40 | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 16.82 | 149  | 771398   | 46.41 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.12 | 276  | 722128   | 43.51 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 17.28 | 252  | 620638   | 45.58 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 17.31 | 252  | 614526m  | 46.62 | nq    |          |
| 89) Benzo(a)pyrene             | 17.68 | 252  | 598596   | 47.75 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 19.14 | 278  | 588580   | 44.17 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 19.51 | 276  | 603095   | 45.16 | nq #  | 94       |

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





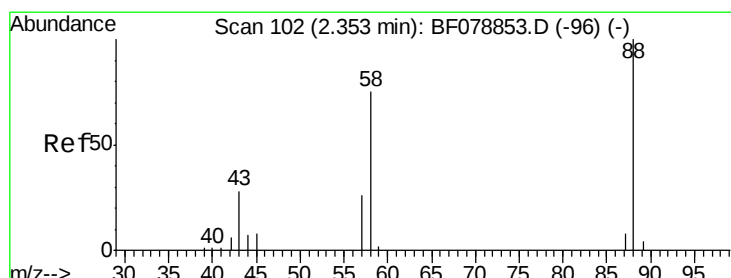
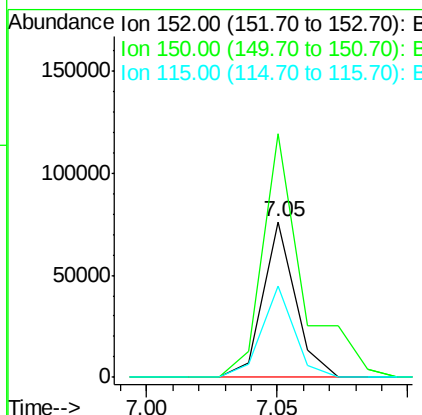
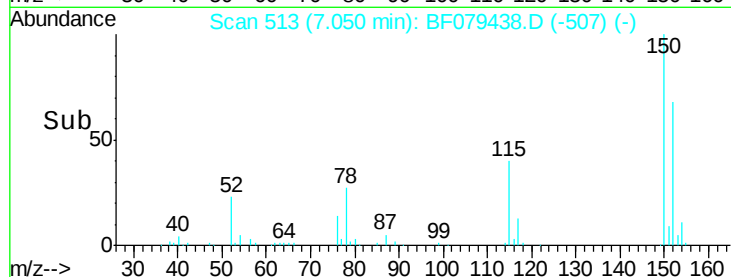
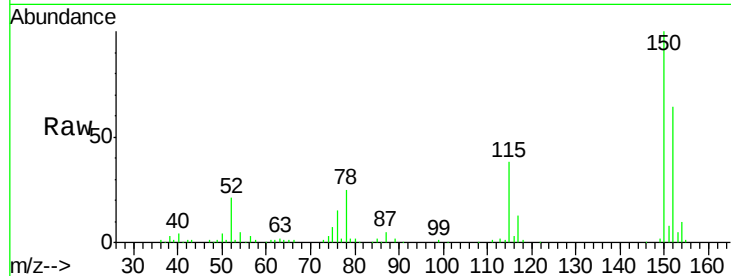
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 Concen: 20.00 ng  
 RT: 7.05 min Scan# 513  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 66919 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 156.3 | 123.8 | 185.8 |
| 115      | 58.9  | 49.4  | 74.0  |

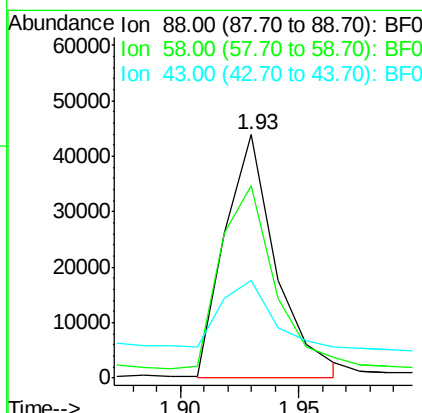
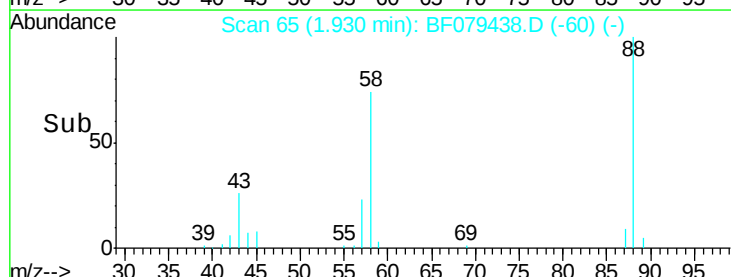
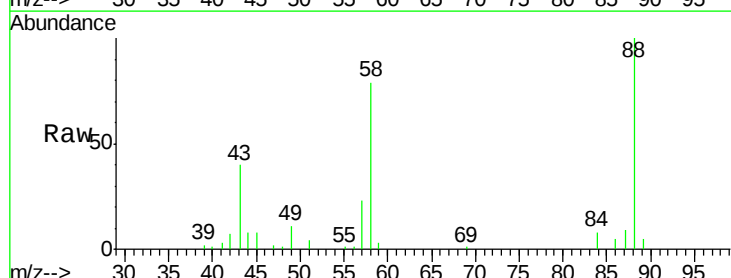
Manual Integrations  
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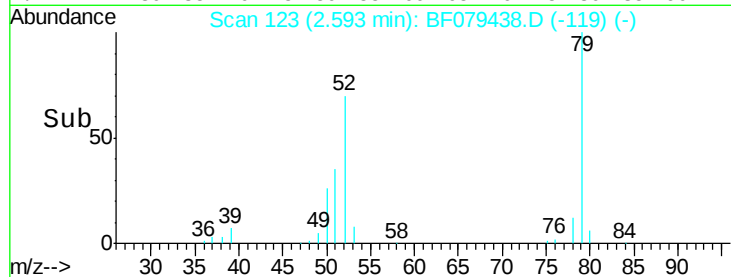
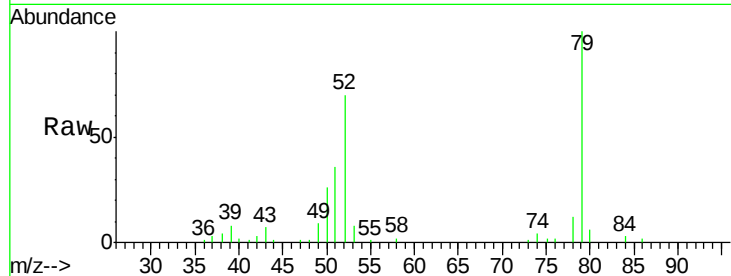
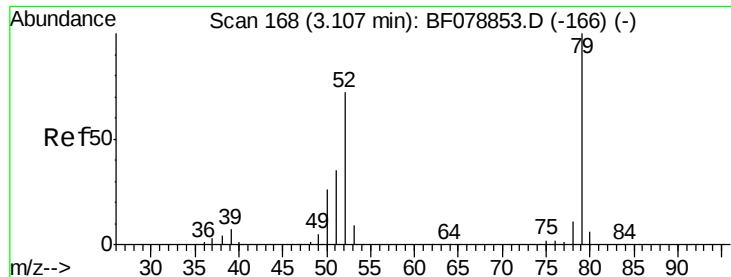
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#2  
 1,4-Dioxane  
 Concen: 39.14 ng m  
 RT: 1.93 min Scan# 65  
 Delta R.T. 0.03 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 66164 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 0.0   | 63.5  | 95.3# |
| 43       | 0.0   | 24.6  | 37.0# |





#3

Pvridine

Concen: 38.84 ng m

RT: 2.59 min Scan# 123

Delta R.T. 0.02 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 192122 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 70.0  | 57.6  | 86.4   |
| 51       | 35.8  | 28.7  | 43.1   |

Instrument :

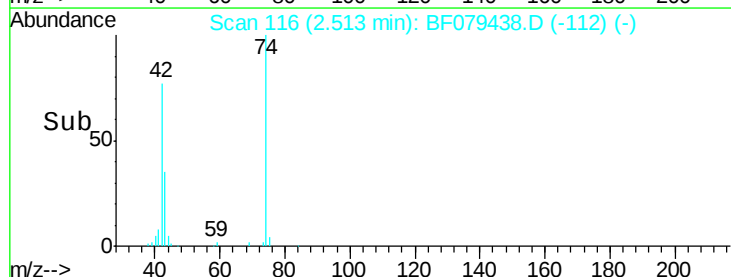
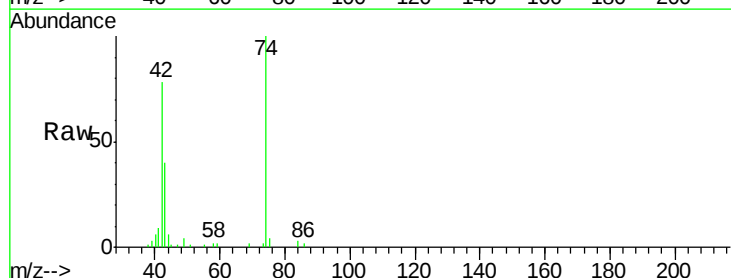
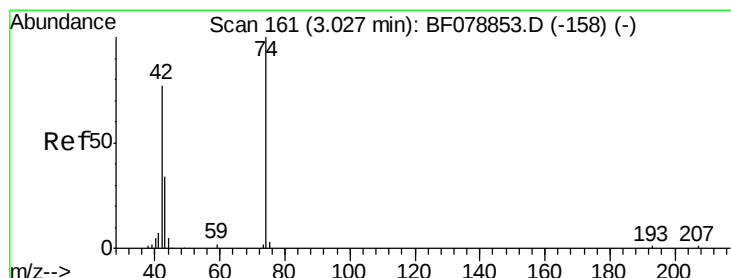
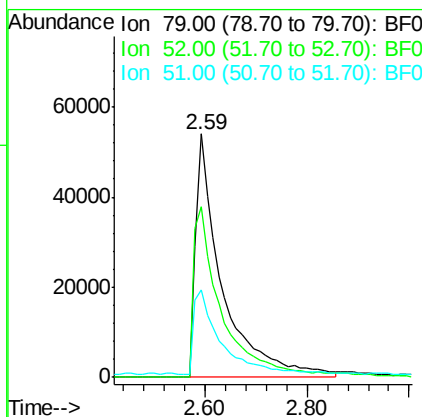
BNA\_F

ClientSampleId :

PB83558BS

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#4

n-Nitrosodimethylamine

Concen: 43.17 ng m

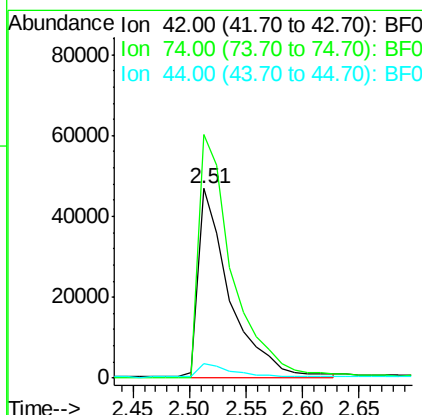
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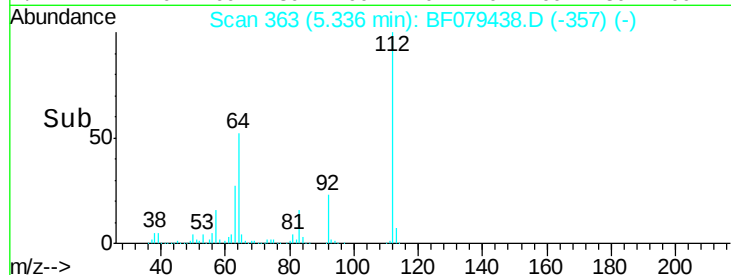
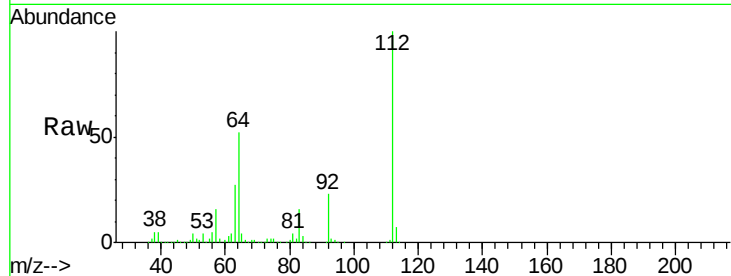
Delta R.T. 0.02 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 91493 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 128.3 | 104.4 | 156.6 |
| 44       | 7.8   | 6.2   | 9.2   |





#5

2-Fluorophenol

Concen: 100.91 ng/mL

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 392275 |       |       |
| 64      | 52.3  |        | 44.2  | 66.2  |
| 63      | 26.9  |        | 22.7  | 34.1  |

Instrument :

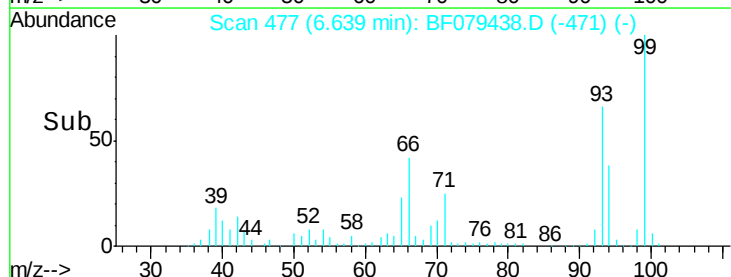
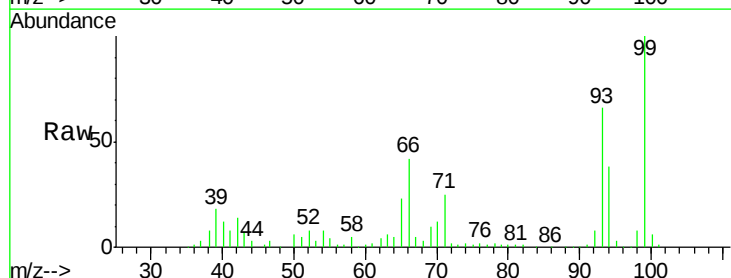
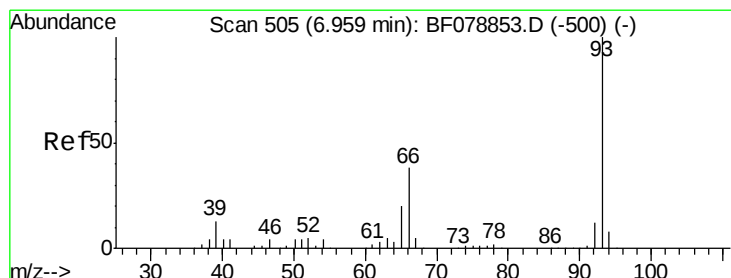
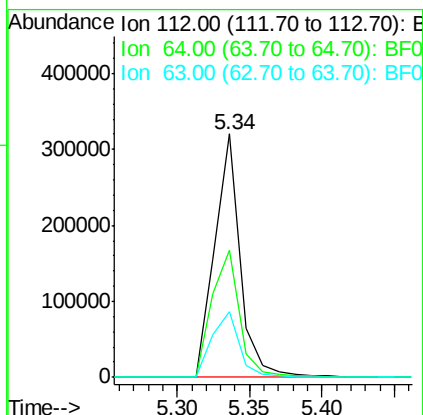
BNA\_F

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5/27/2015 8:15:43 AM



#6

Aniline

Concen: 24.30 ng/mL

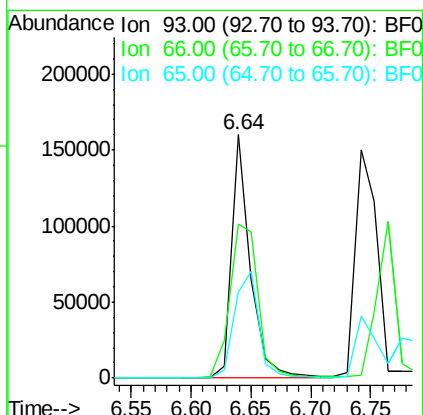
RT: 6.64 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 176234 |       |       |
| 66      | 63.5  |        | 30.7  | 46.1# |
| 65      | 35.2  |        | 15.8  | 23.8# |





#7

Phenol-d6

Concen: 96.73 ng

RT: 6.63 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

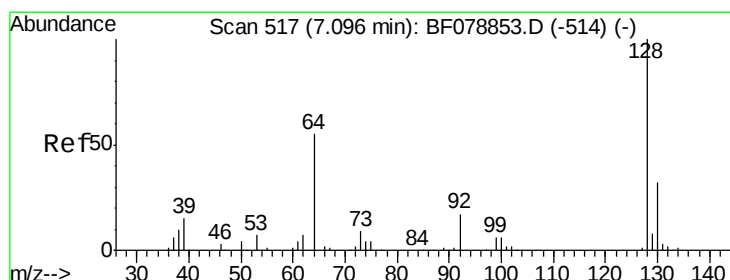
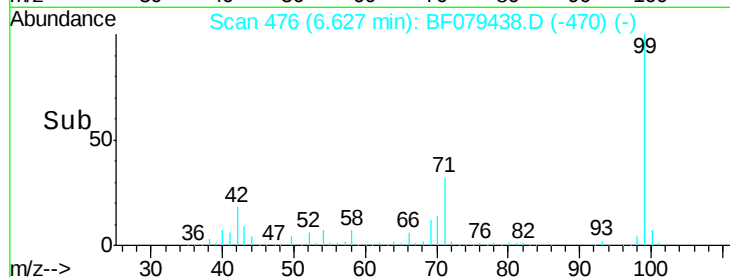
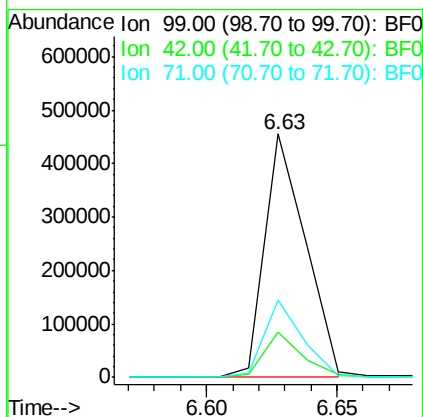
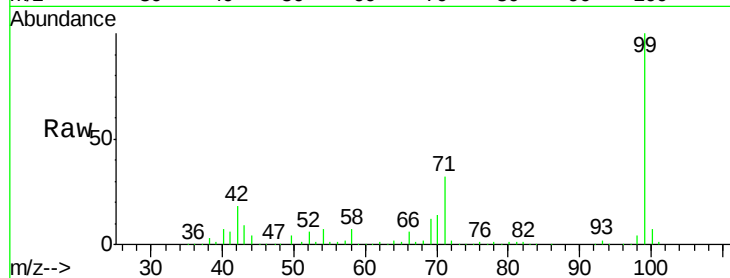
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 497064 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.4  | 17.1  | 25.7   |
| 71        | 31.9  | 26.3  | 39.5   |

Manual Integrations  
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5/27/2015 8:15:43 AM



#8

2-Chlorophenol

Concen: 46.28 ng

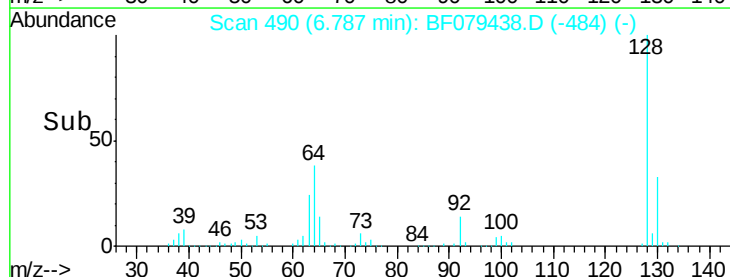
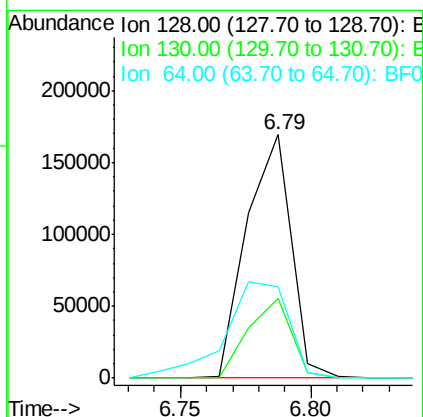
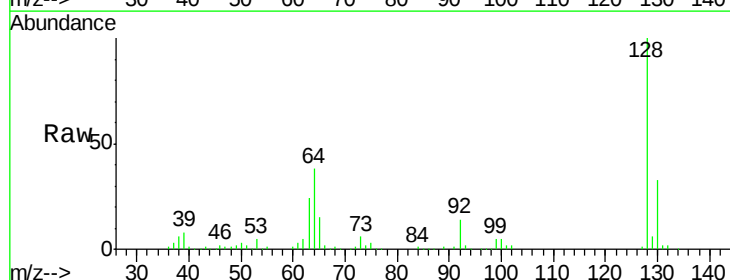
RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 204047 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.7  | 12.4  | 52.4   |
| 64        | 37.5  | 37.8  | 77.8#  |





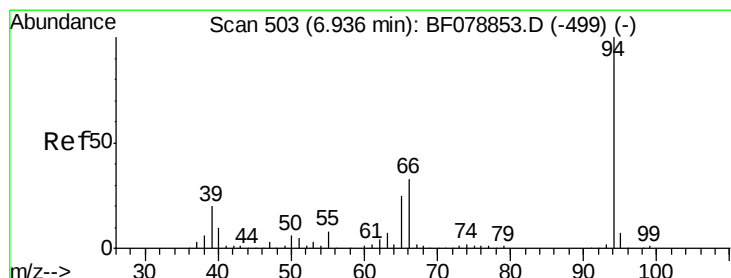
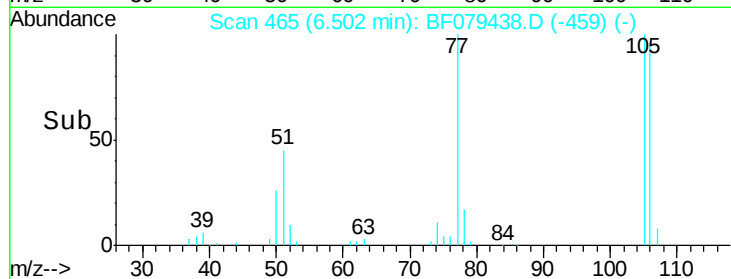
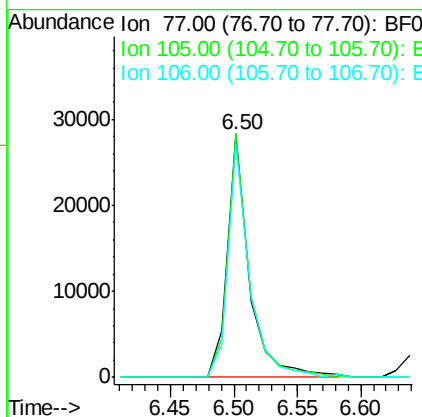
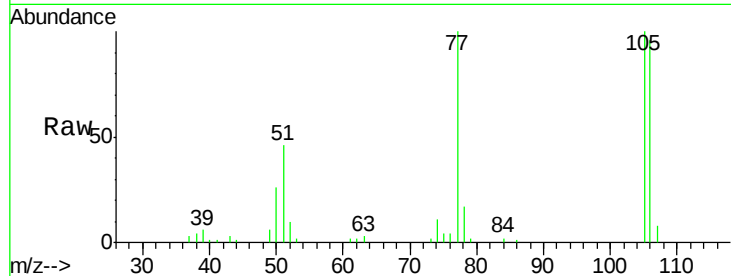
#9  
Benzaldehyde  
Concen: 9.83 ng/ml  
RT: 6.50 min Scan# 465  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 99.9  | 78.9  | 118.9 |
| 106     | 96.0  | 75.8  | 115.8 |

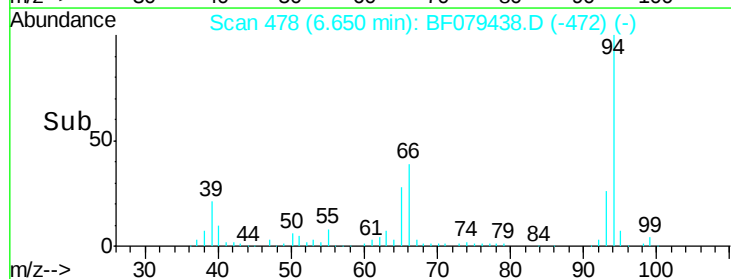
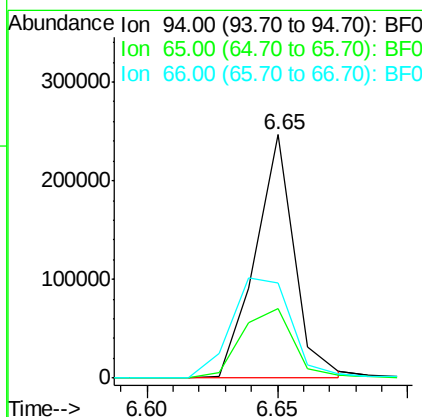
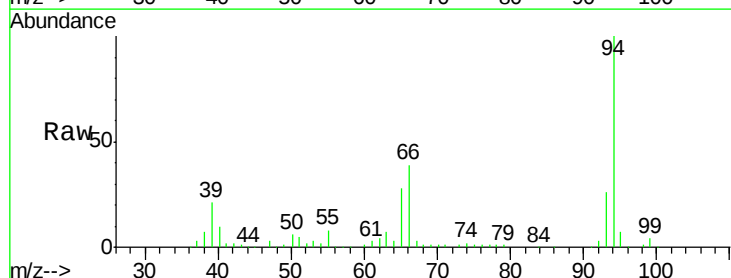
Manual Integrations  
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#10  
Phenol  
Concen: 43.39 ng/ml  
RT: 6.65 min Scan# 478  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 28.3  | 5.1   | 45.1  |
| 66      | 39.1  | 13.1  | 53.1  |





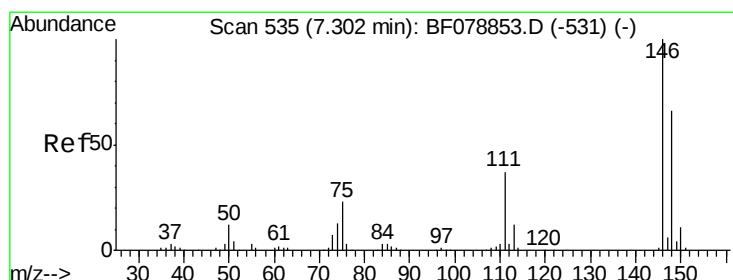
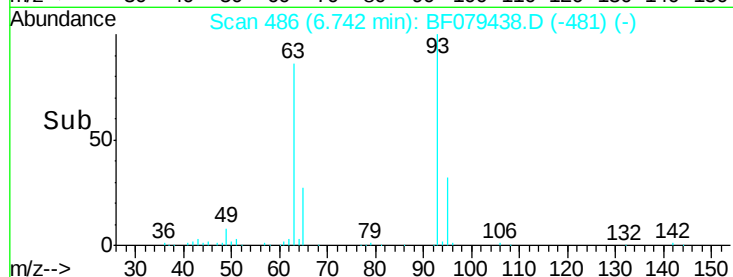
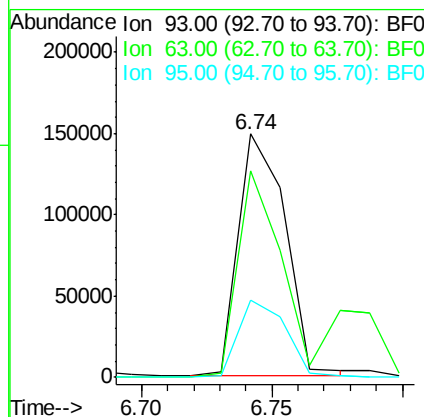
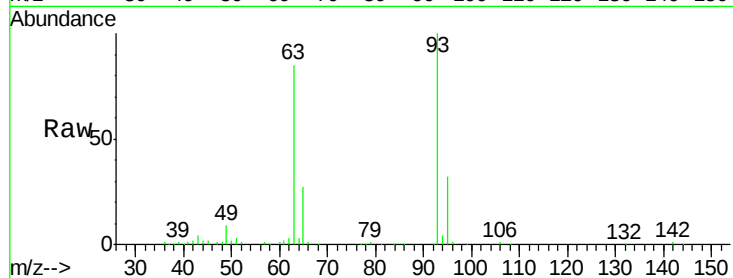
#11  
bis(2-Chloroethyl)ether  
Concen: 43.03 ng  
RT: 6.74 min Scan# 486  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 188035 |       |       |
| 63      | 84.9 | 50.8  | 90.8   |       |       |
| 95      | 31.5 | 13.9  | 53.9   |       |       |

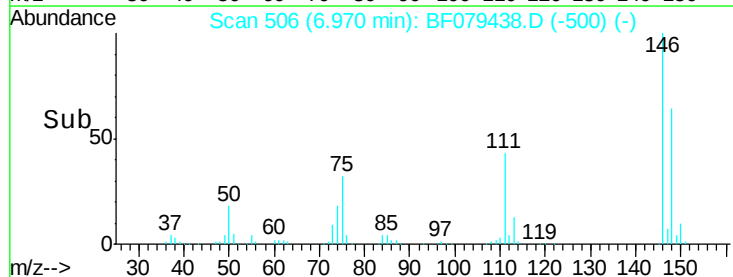
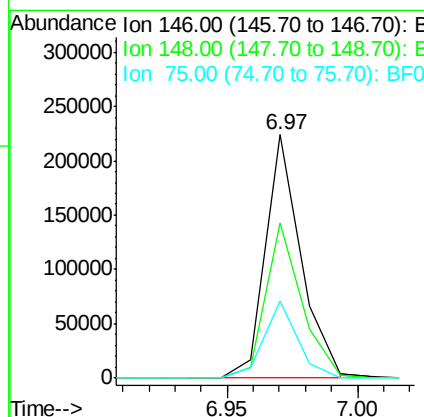
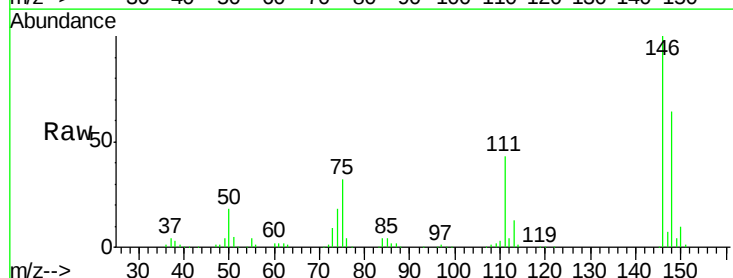
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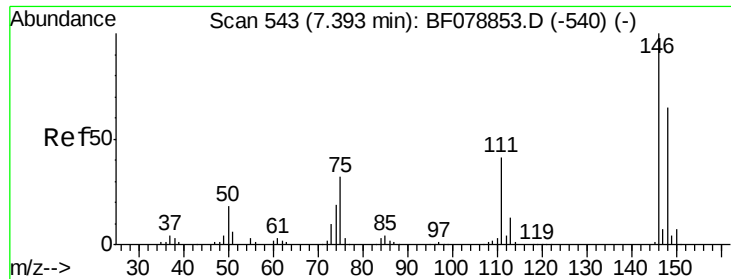
apatel  
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#12  
1,3-Dichlorobenzene  
Concen: 43.13 ng  
RT: 6.97 min Scan# 506  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 213772 |       |       |
| 148     | 63.6 | 52.4  | 78.6   |       |       |
| 75      | 31.7 | 18.6  | 27.8   |       |       |





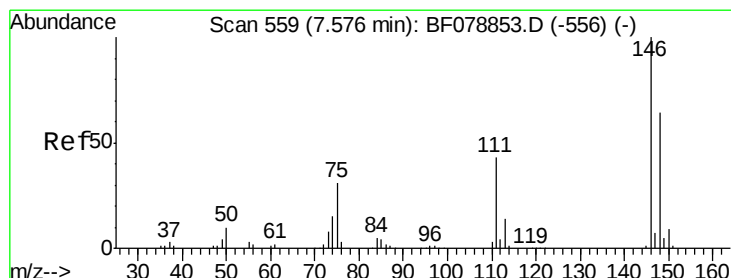
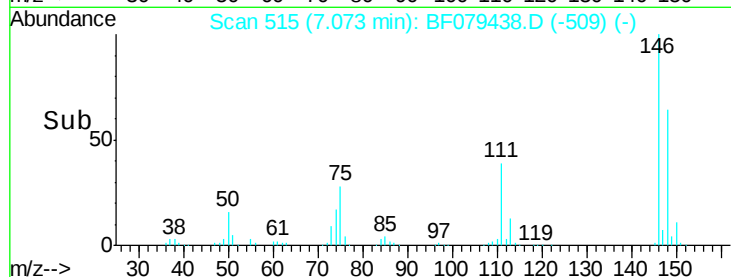
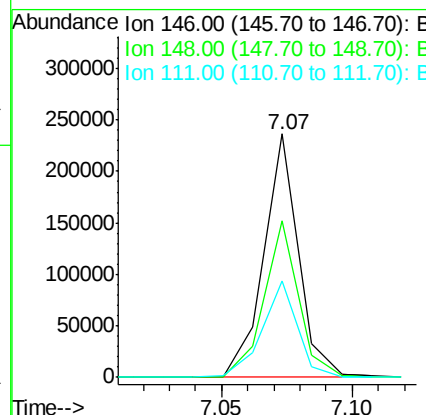
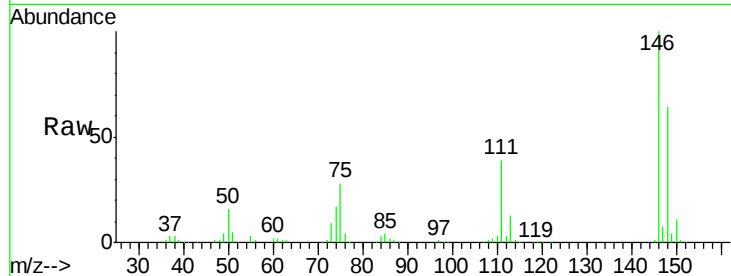
#13  
 1,4-Dichlorobenzene  
 Concen: 43.03 ng  
 RT: 7.07 min Scan# 515  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 51.7  | 77.5  |
| 111     | 39.4  | 32.8  | 49.2  |

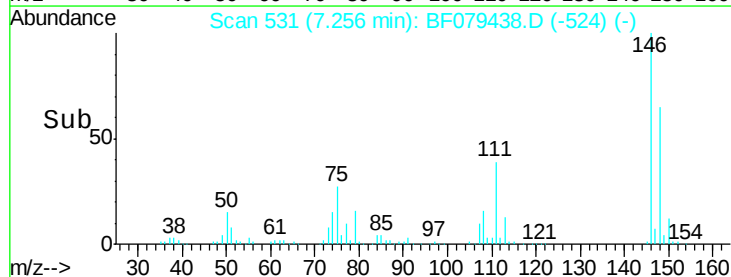
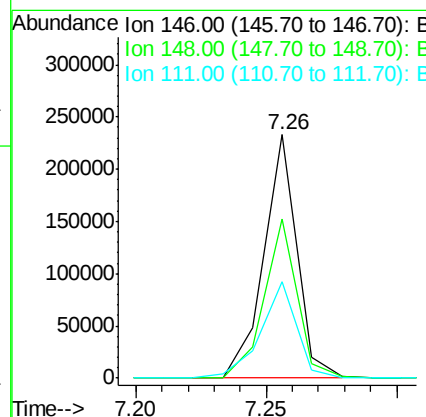
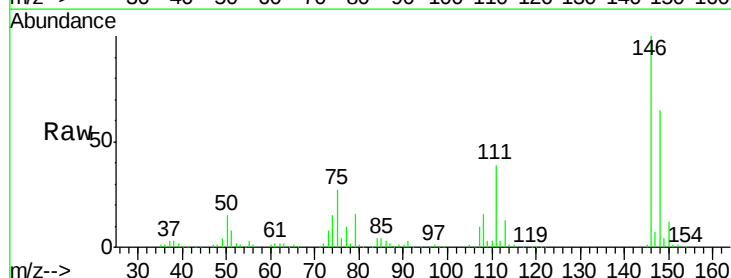
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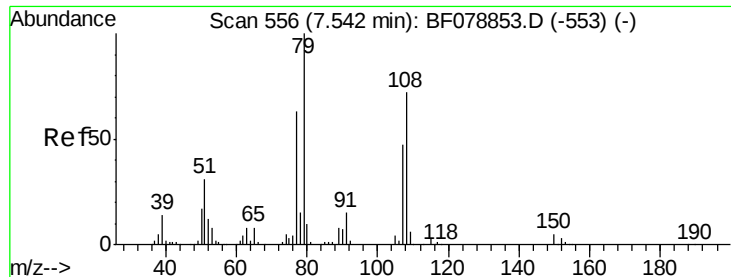
apatel  
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#14  
 1,2-Dichlorobenzene  
 Concen: 43.89 ng  
 RT: 7.26 min Scan# 531  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.2  | 51.1  | 76.7  |
| 111     | 39.4  | 34.6  | 52.0  |





#15

Benzyl Alcohol

Concen: 45.50 ng/mL

RT: 7.24 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

ClientSampleID :

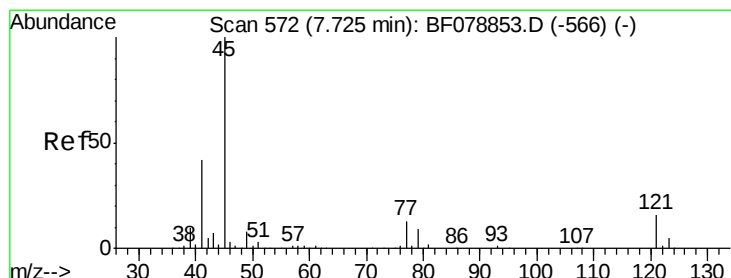
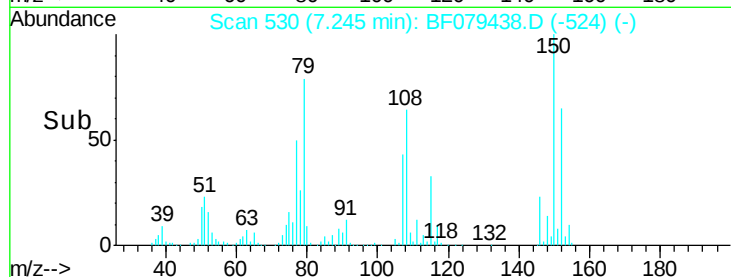
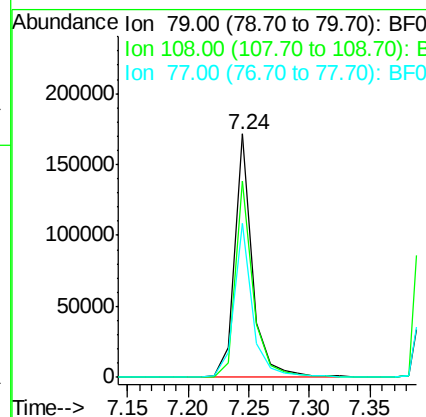
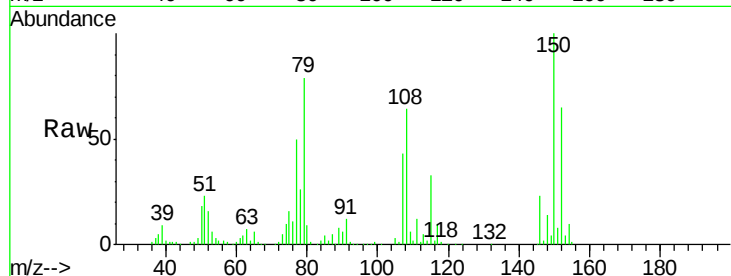
PB83558BS

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| Tot Ion | 79    | Resp  | 173557 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 79      | 100   |       |        |
| 108     | 80.7  | 57.4  | 86.2   |
| 77      | 63.1  | 50.2  | 75.4   |



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.70 ng/mL

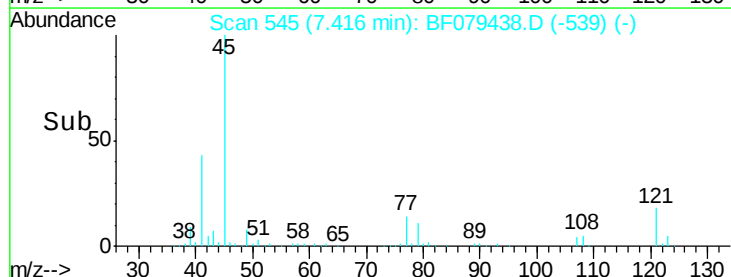
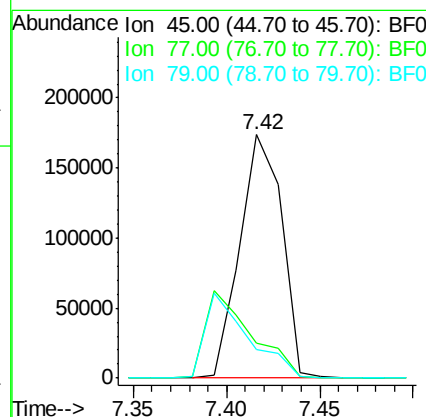
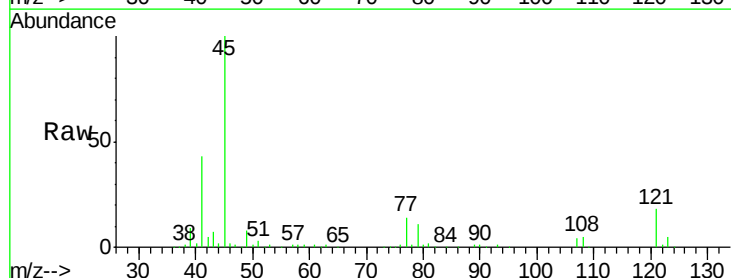
RT: 7.42 min Scan# 545

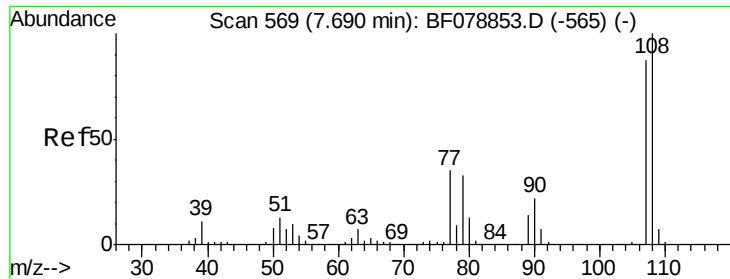
Delta R.T. -0.01 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

| Tgt Ion | 45    | Resp  | 272126 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 45      | 100   |       |        |
| 77      | 14.4  | 0.0   | 32.6   |
| 79      | 11.5  | 0.0   | 29.3   |





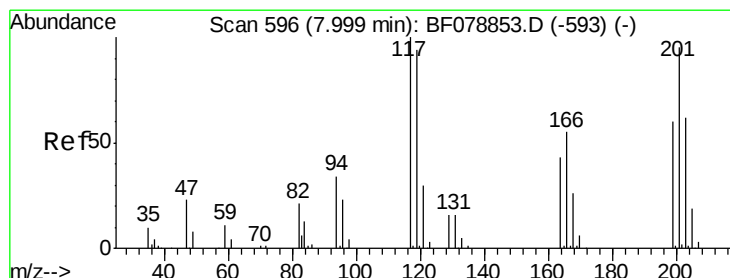
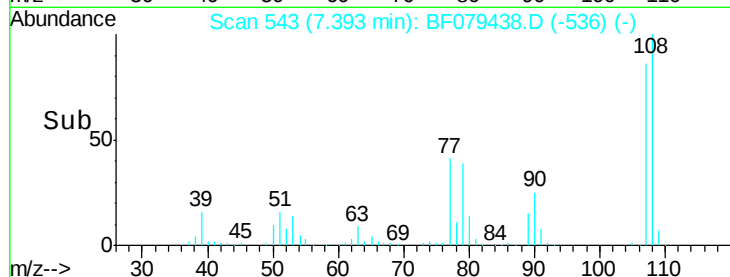
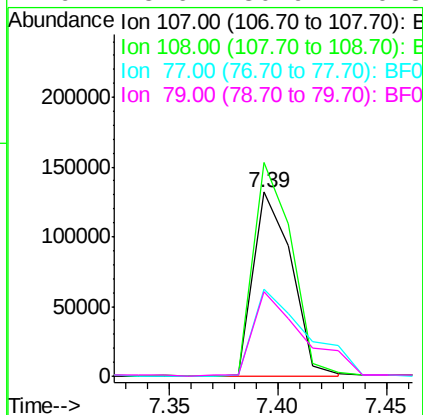
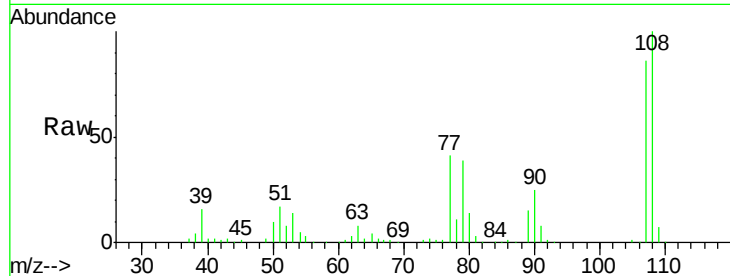
#17  
2-Methylphenol  
Concen: 45.31 ng  
RT: 7.39 min Scan# 543  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion   | 107   | Resp  | 160784 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 116.1 | 92.4  | 138.6  |
| 77        | 47.7  | 32.6  | 49.0   |
| 79        | 45.6  | 30.9  | 46.3   |

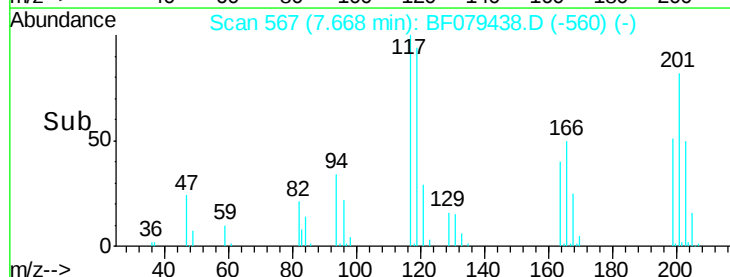
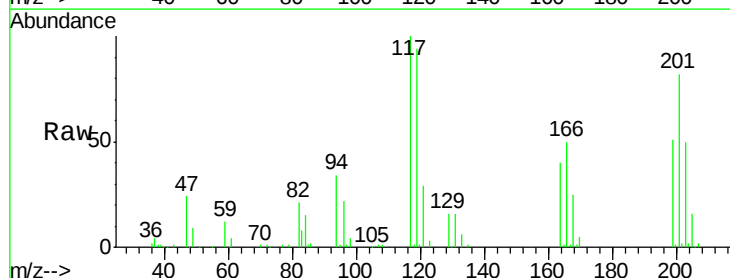
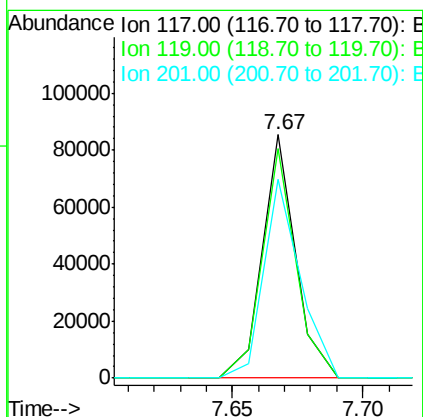
Manual Integrations  
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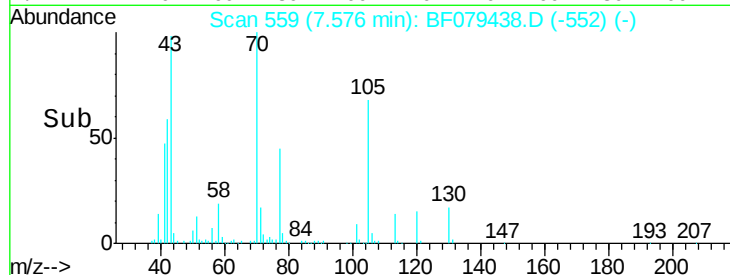
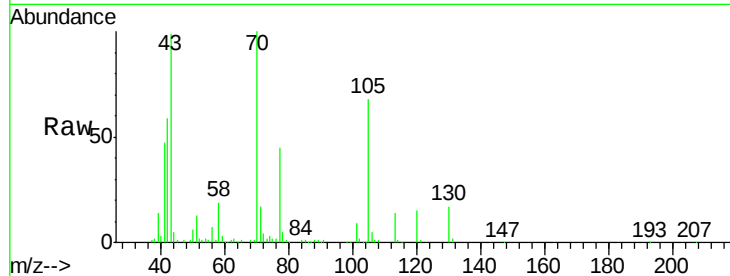
apatel  
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#18  
Hexachloroethane  
Concen: 43.27 ng  
RT: 7.67 min Scan# 567  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion   | 117   | Resp  | 76019 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 94.2  | 75.2  | 112.8 |
| 201       | 81.5  | 75.8  | 113.8 |





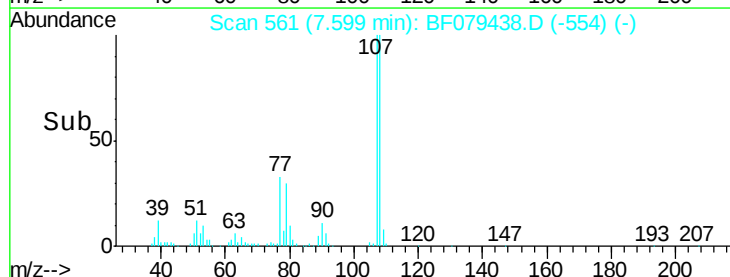
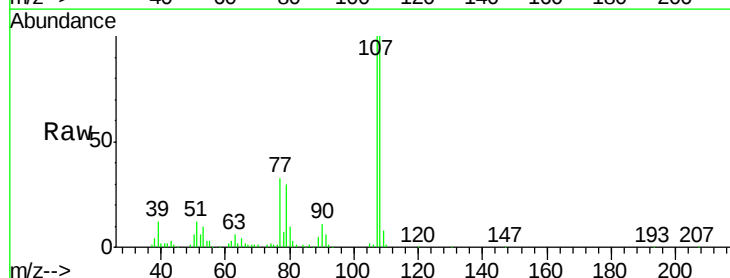
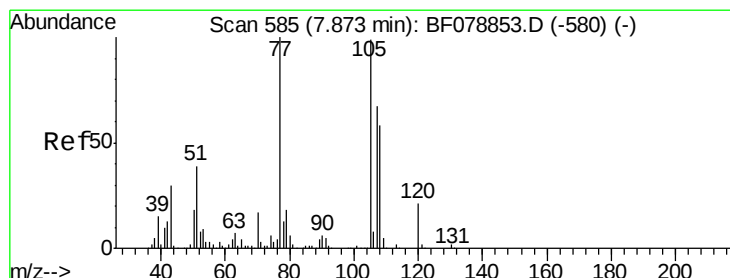
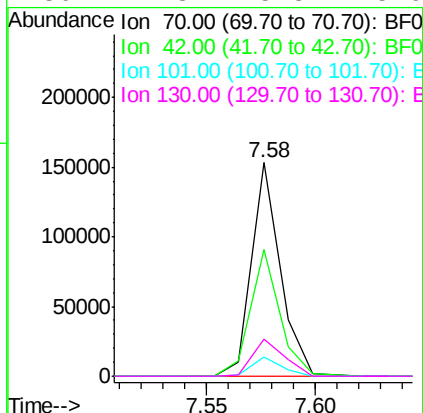
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.67 ng  
RT: 7.58 min Scan# 559  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

Manual Integrations  
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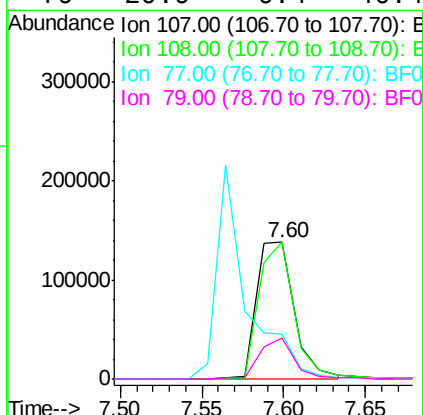
apatel  
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| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 59.4 | 47.3  | 70.9  |       |
| 101     | 8.8  | 7.5   | 11.3  |       |
| 130     | 17.3 | 15.8  | 23.6  |       |



#20  
3+4-Methylphenols  
Concen: 46.91 ng  
RT: 7.60 min Scan# 561  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 100.0 | 66.5  | 106.5 |       |
| 77      | 32.7  | 130.6 | 170.6 |       |
| 79      | 29.9  | 6.4   | 46.4  |       |





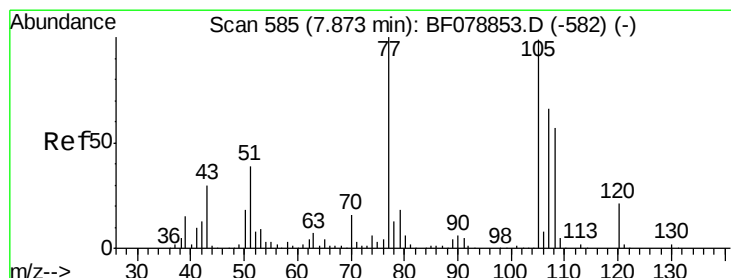
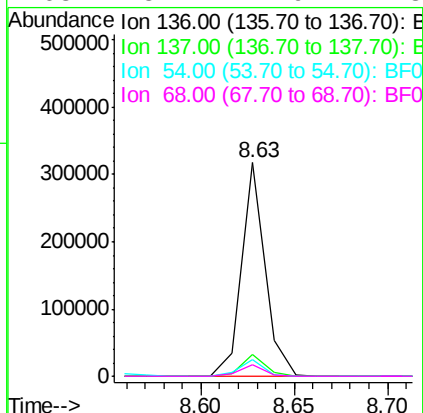
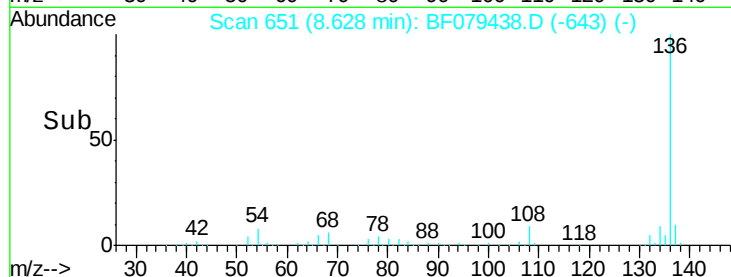
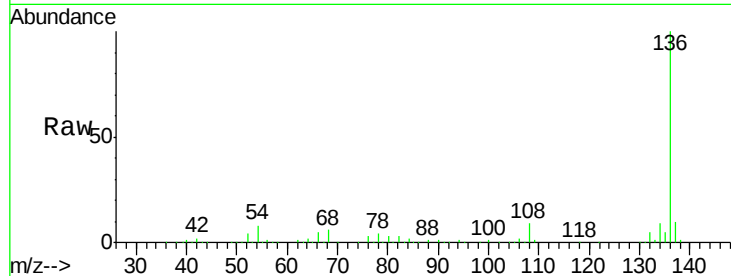
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.63 min Scan# 651  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 279293 |       |       |
| 137     | 10.4 |       | 8.8    | 13.2  |       |
| 54      | 7.5  |       | 6.9    | 10.3  |       |
| 68      | 5.7  |       | 4.9    | 7.3   |       |

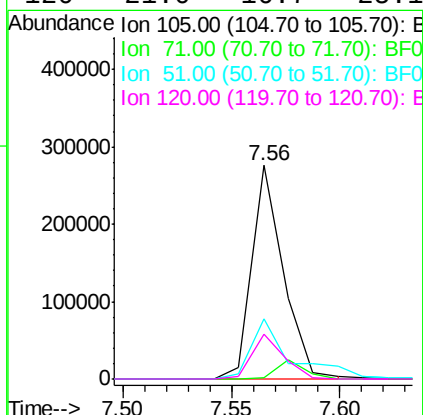
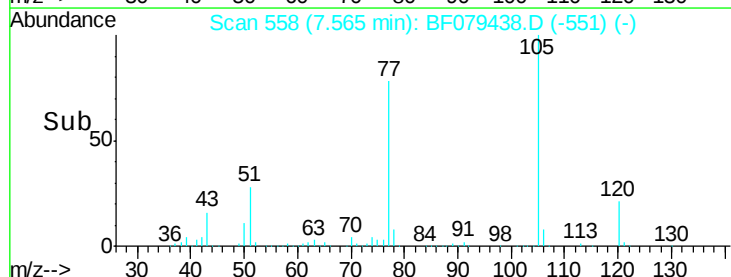
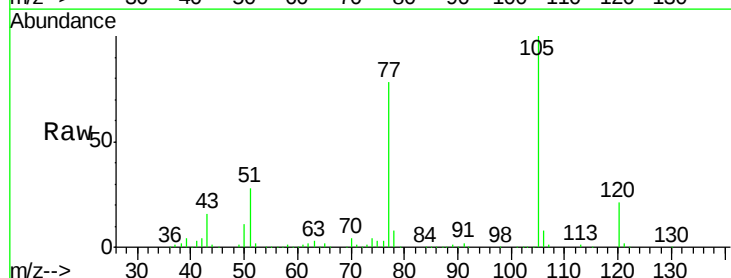
Manual Integrations  
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#22  
Acetophenone  
Concen: 44.16 ng  
RT: 7.56 min Scan# 558  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 278674 |       |       |
| 71      | 0.8  |       | 2.2    | 3.4#  |       |
| 51      | 28.1 |       | 31.1   | 46.7# |       |
| 120     | 21.0 |       | 16.7   | 25.1  |       |





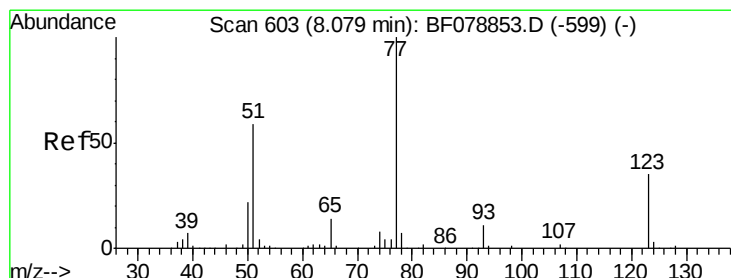
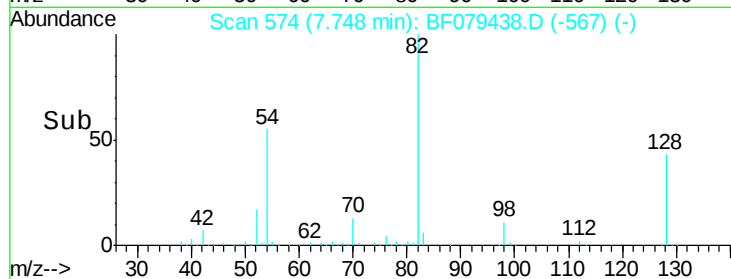
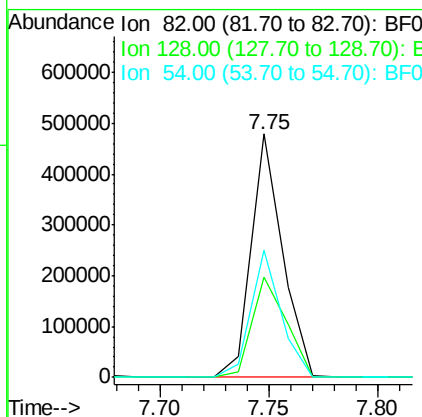
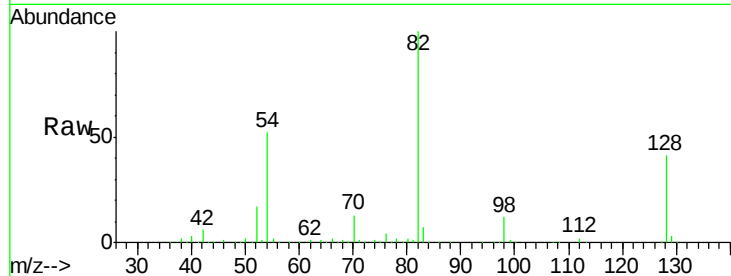
#23  
Nitrobenzene-d5  
Concen: 99.15 ng  
RT: 7.75 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.3  | 29.7 | 44.5  |       |
| 54      | 52.5  | 46.2 | 69.4  |       |

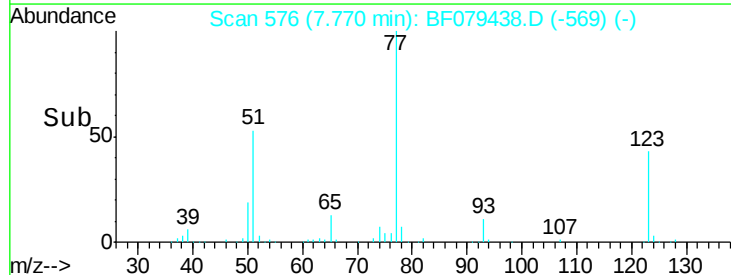
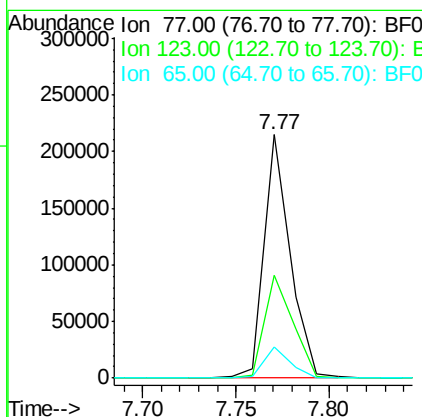
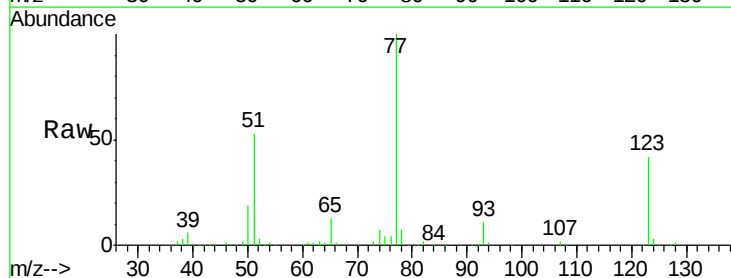
Manual Integrations  
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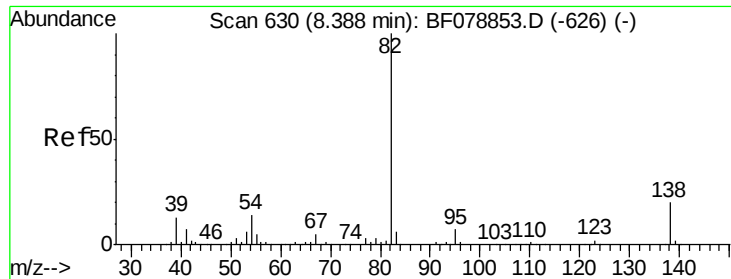
apatel  
5/27/2015 8:15:43 AM



#24  
Nitrobenzene  
Concen: 43.01 ng  
RT: 7.77 min Scan# 576  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 42.4  | 28.3 | 42.5  |       |
| 65      | 12.9  | 11.0 | 16.4  |       |





#25

Isophorone

Concen: 42.33 ng

RT: 8.08 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

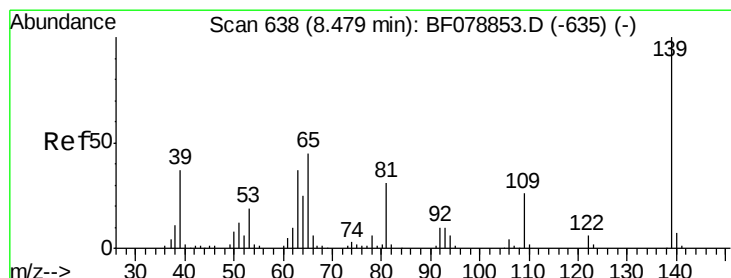
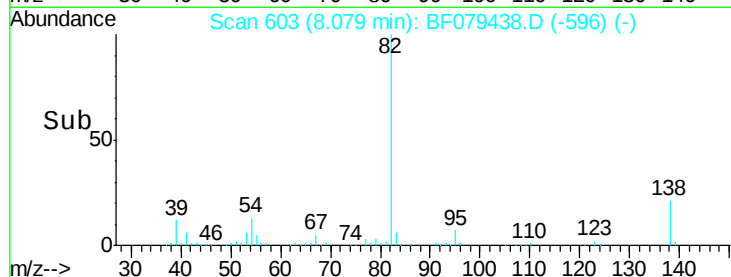
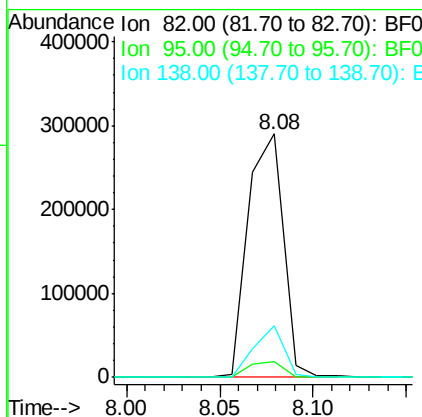
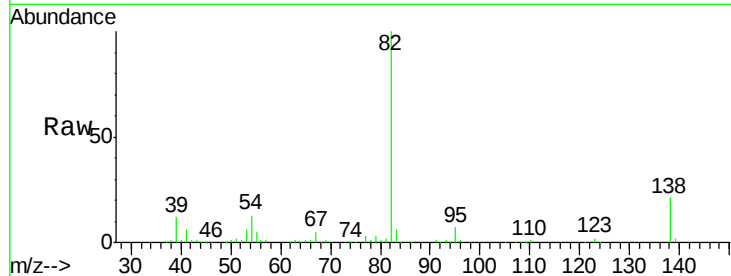
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 381328 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.4   | 8.2    |
| 138       | 21.0  | 16.1  | 24.1   |

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#26

2-Nitrophenol

Concen: 48.41 ng

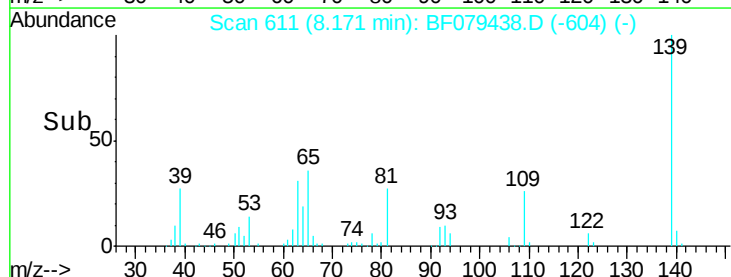
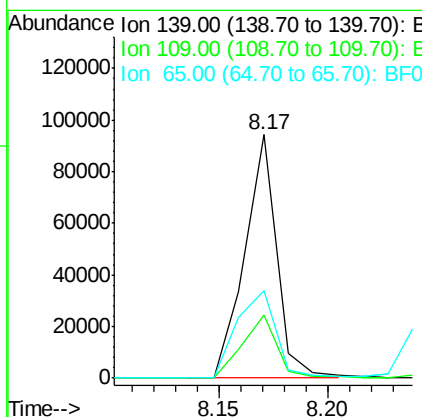
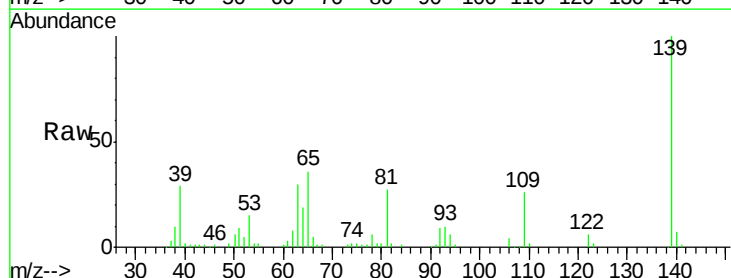
RT: 8.17 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 96514 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 25.8  | 20.9  | 31.3  |
| 65        | 36.0  | 35.8  | 53.8  |





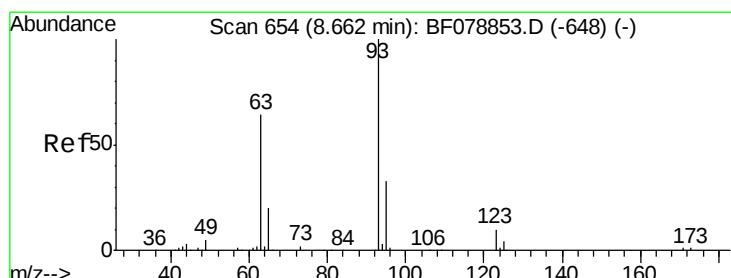
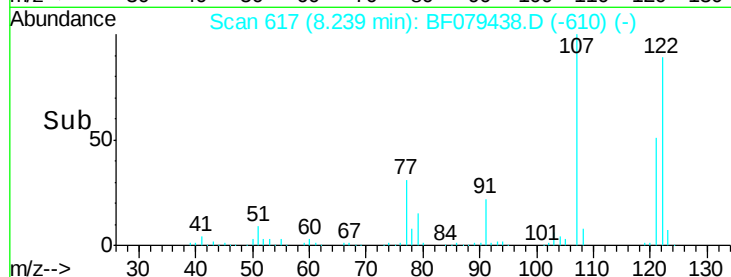
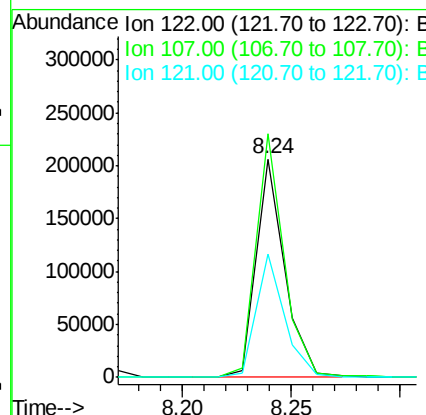
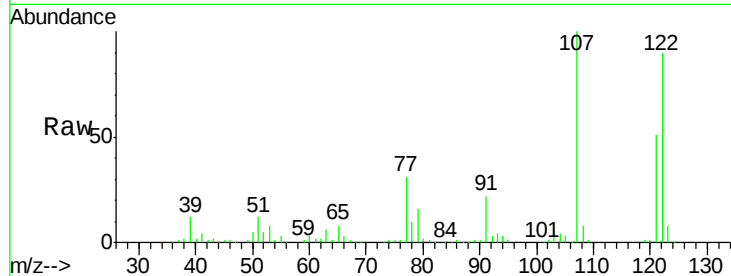
#27  
 2,4-Dimethylphenol  
 Concen: 47.19 ng  
 RT: 8.24 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 188260 |       |       |
| 107     | 111.4 | 83.6   | 125.4 |       |
| 121     | 56.3  | 44.9   | 67.3  |       |

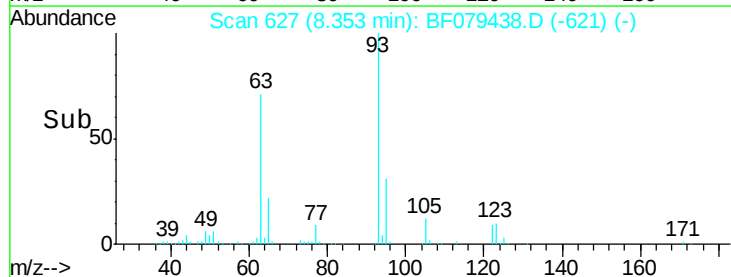
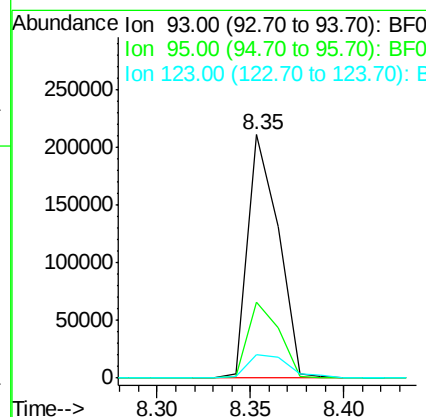
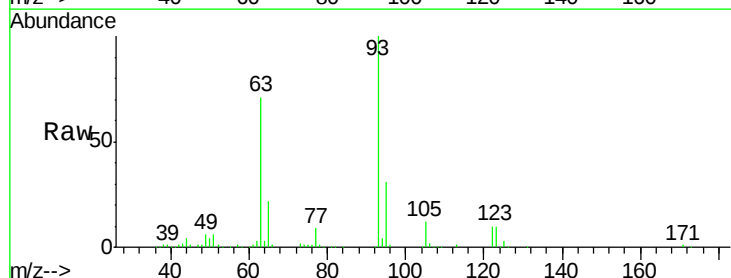
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.29 ng  
 RT: 8.35 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 240457 |       |       |
| 95      | 31.4  | 26.2   | 39.2  |       |
| 123     | 9.8   | 8.6    | 12.8  |       |





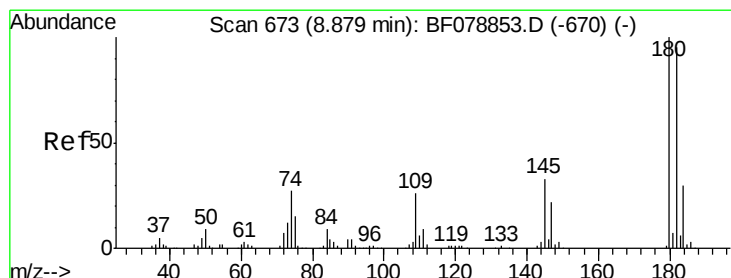
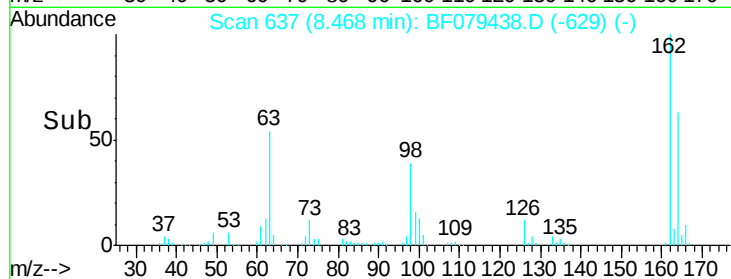
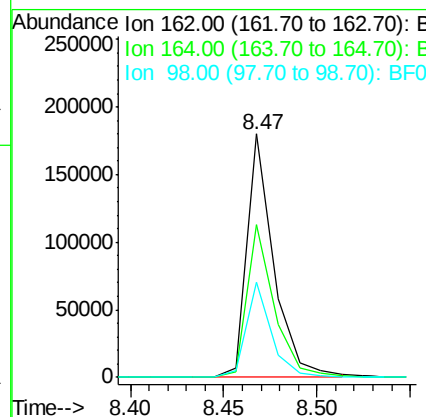
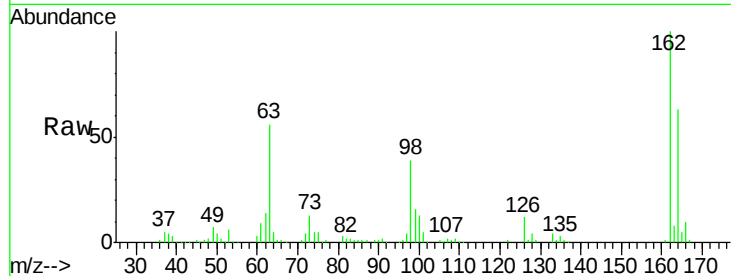
#29  
 2,4-Dichlorophenol  
 Concen: 50.80 ng  
 RT: 8.47 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 180233 |       |       |
| 164     | 62.6  | 42.7   | 82.7  |       |
| 98      | 38.9  | 26.3   | 66.3  |       |

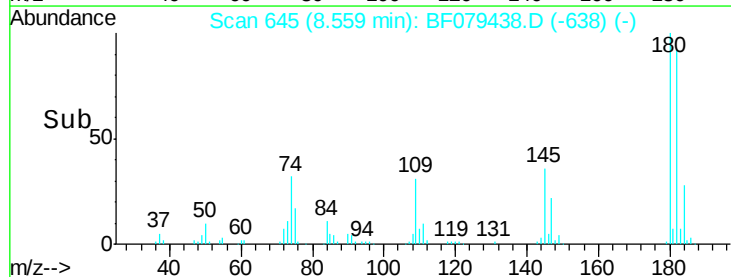
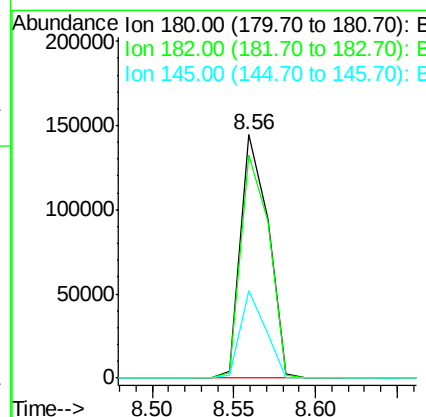
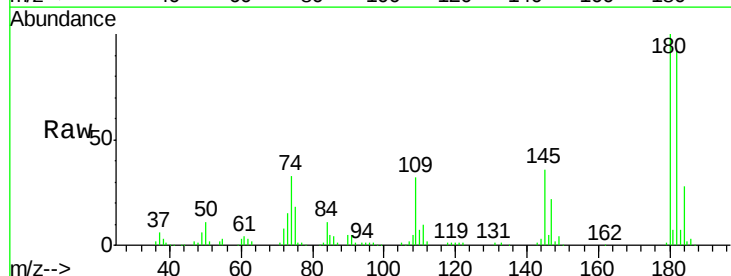
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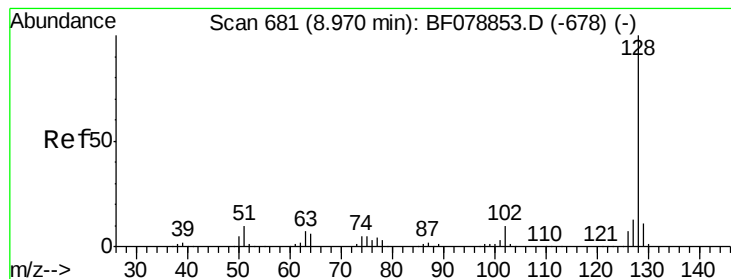
apatel  
 5/27/2015 8:15:43 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.32 ng  
 RT: 8.56 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 168830 |       |       |
| 182     | 91.9  | 75.7   | 113.5 |       |
| 145     | 36.0  | 26.2   | 39.4  |       |





#31

Naphthalene

Concen: 43.50 ng

RT: 8.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

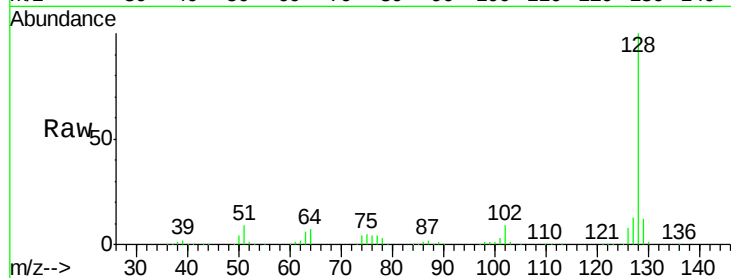
ClientSampleId :

PB83558BS

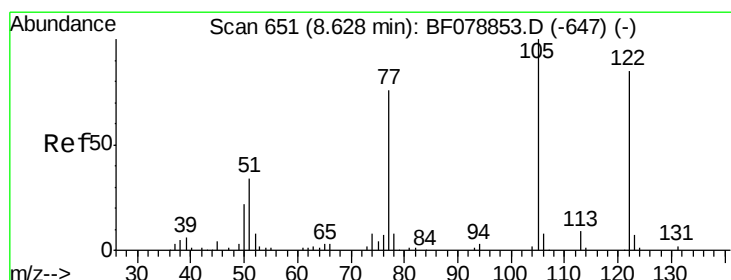
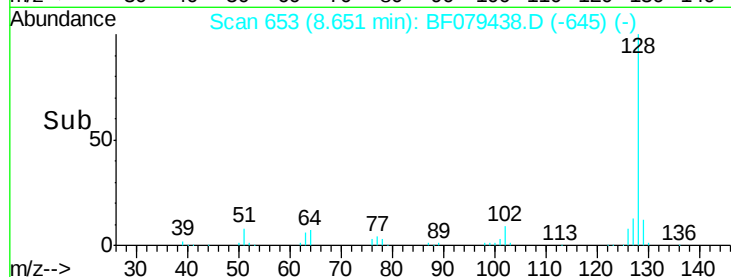
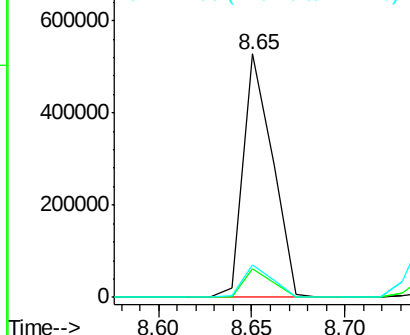
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 578933 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 129       | 11.7 | 9.2   | 13.8   |
| 127       | 13.3 | 10.3  | 15.5   |

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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: 46.71 ng m

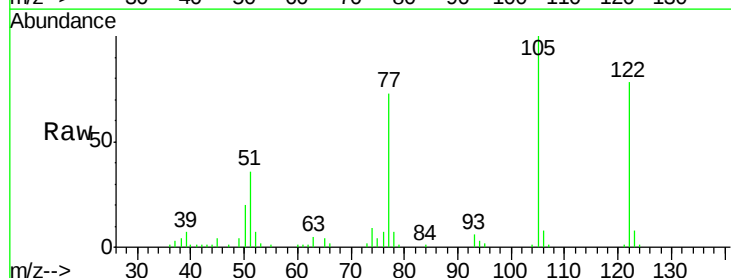
RT: 8.38 min Scan# 629

Delta R.T. 0.00 min

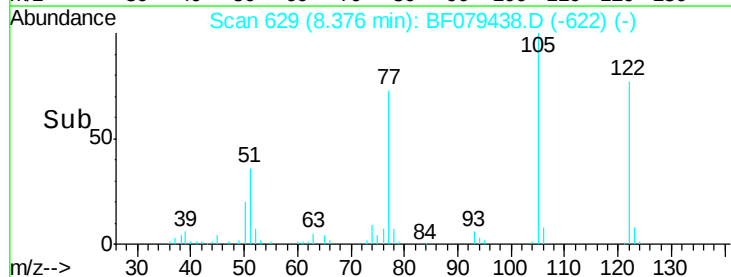
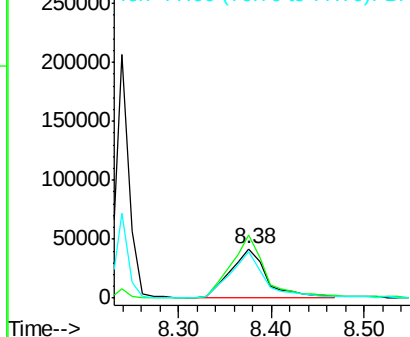
Lab File: BF079438.D

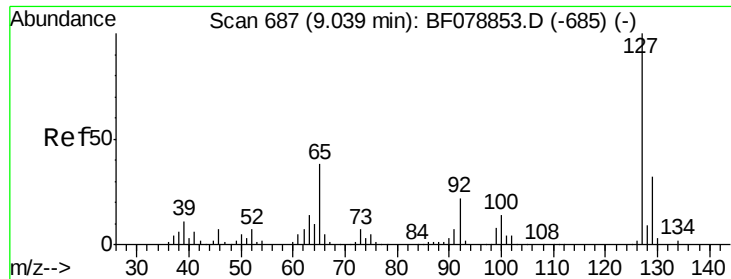
Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 116241 |
| Ion Ratio |       | Lower | Upper  |
| 122       | 100   |       |        |
| 105       | 128.5 | 100.7 | 140.7  |
| 77        | 93.6  | 72.0  | 112.0  |



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





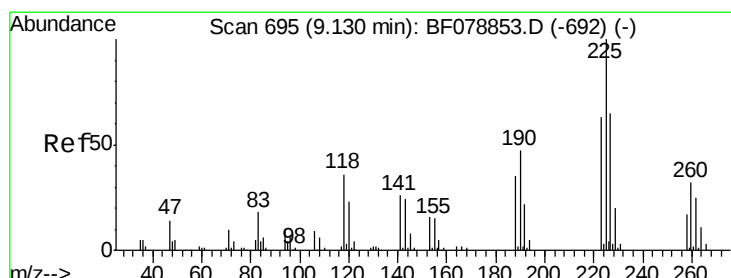
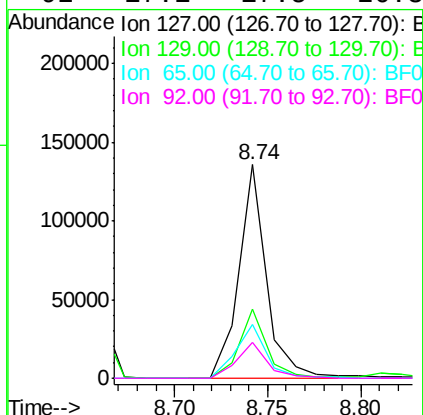
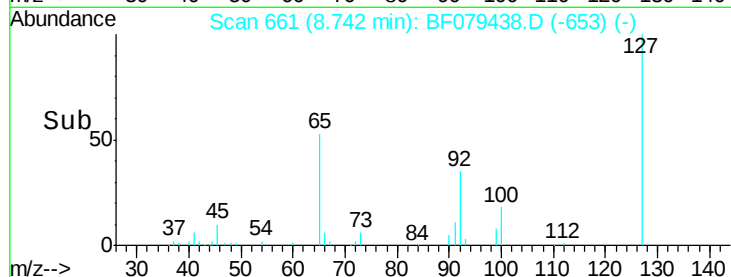
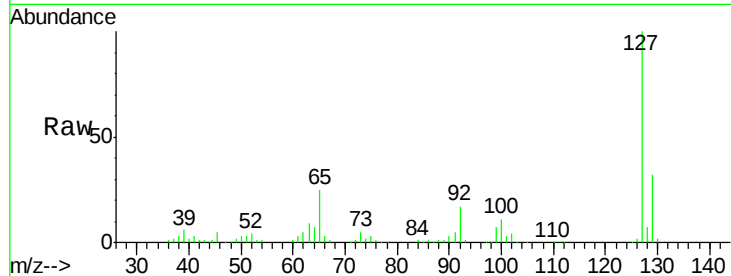
#33  
4-Chloroaniline  
Concen: 25.00 ng  
RT: 8.74 min Scan# 661  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.2 | 25.6  | 38.4 |       |       |
| 65      | 25.4 | 30.2  | 45.4 |       |       |
| 92      | 17.1 | 17.5  | 26.3 |       |       |

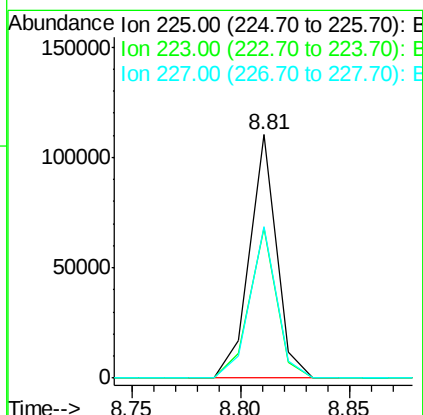
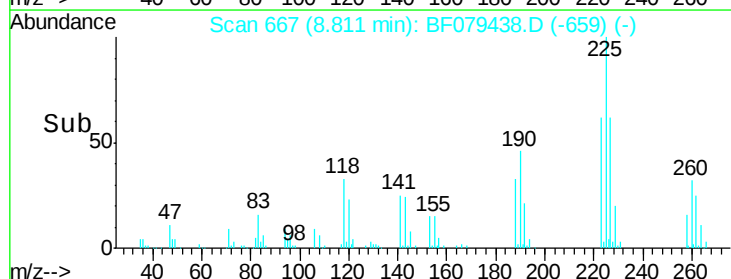
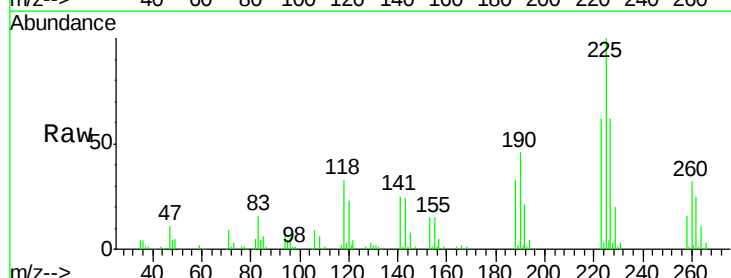
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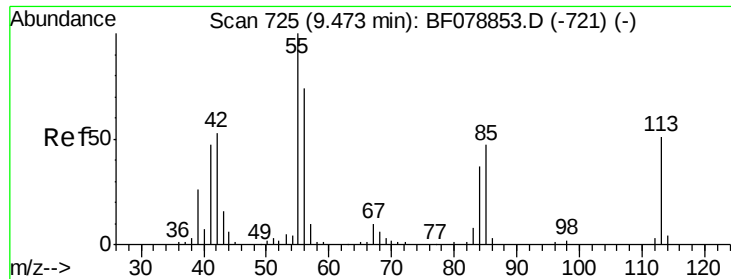
apatel  
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#34  
Hexachlorobutadiene  
Concen: 42.46 ng  
RT: 8.81 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.6 | 50.6  | 75.8 |       |       |
| 227     | 62.1 | 52.1  | 78.1 |       |       |





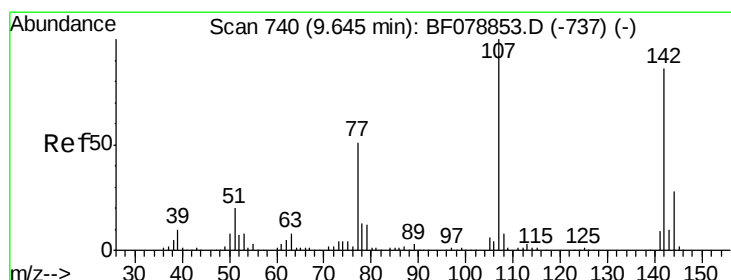
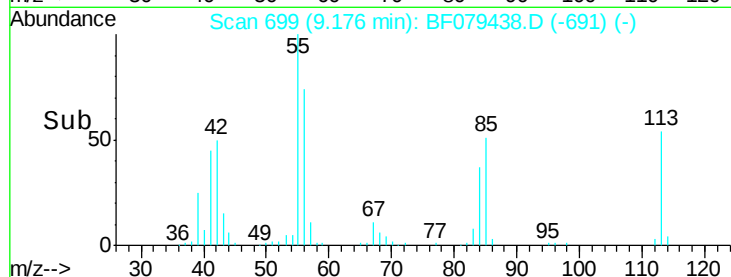
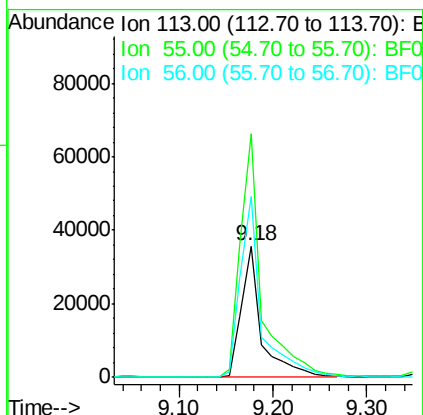
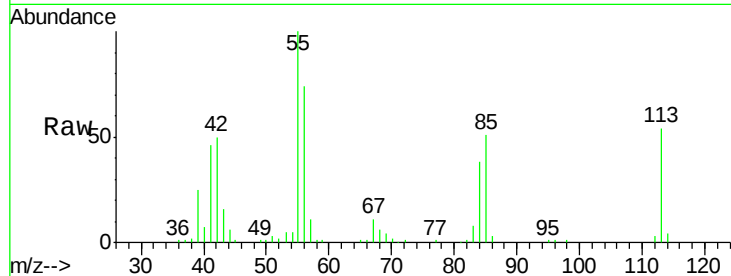
#35  
 Caprolactam  
 Concen: 46.74 ng/ml  
 RT: 9.18 min Scan# 699  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 185.4 | 176.0 | 216.0 |
| 56      | 137.7 | 123.8 | 163.8 |

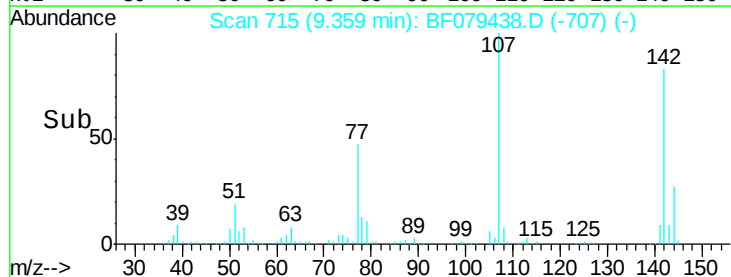
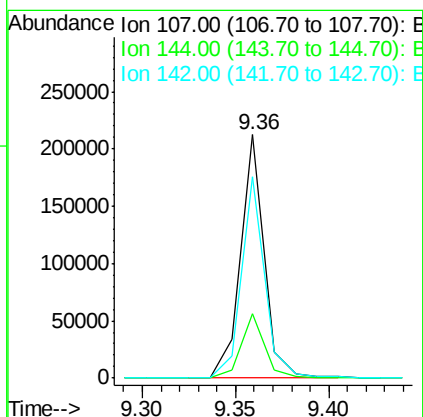
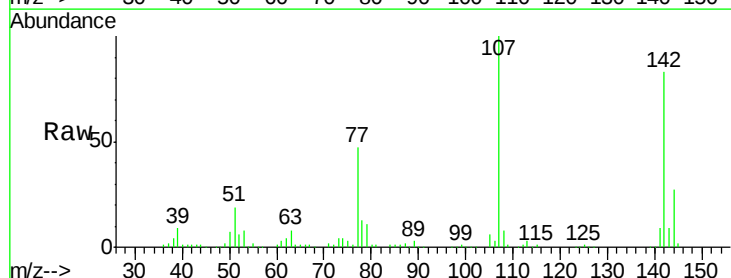
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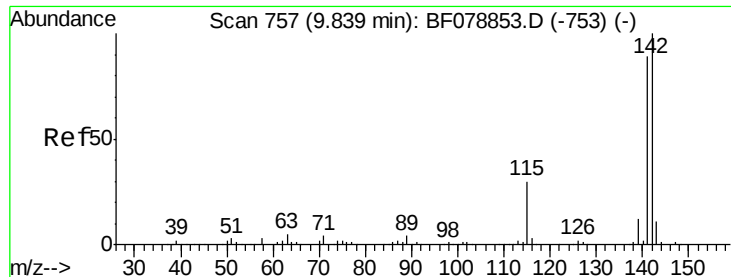
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#36  
 4-Chloro-3-methylphenol  
 Concen: 50.72 ng/ml  
 RT: 9.36 min Scan# 715  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.6  | 22.5  | 33.7  |
| 142     | 82.8  | 68.6  | 103.0 |





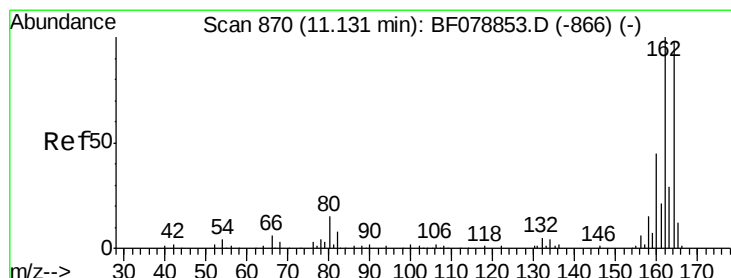
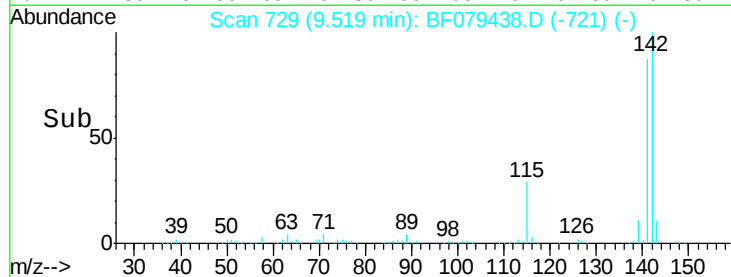
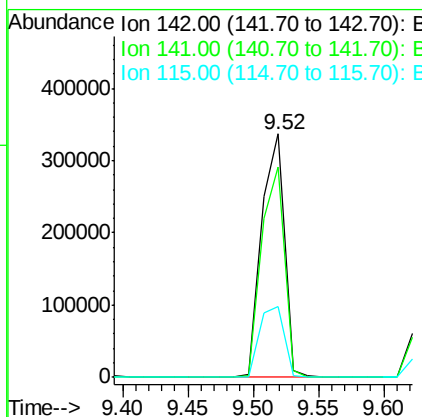
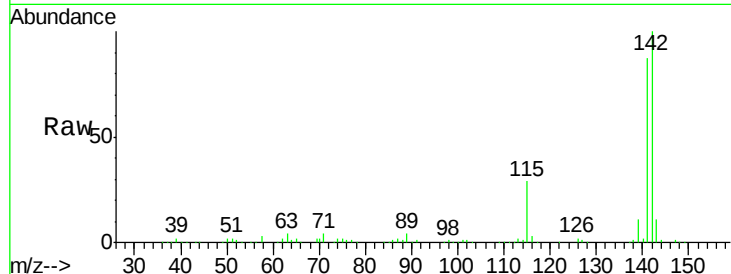
#37  
2-Methylnaphthalene  
Concen: 44.93 ng  
RT: 9.52 min Scan# 729  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 414372 |       |       |
| 141     | 86.6  | 71.6   | 107.4 |       |
| 115     | 29.0  | 24.2   | 36.4  |       |

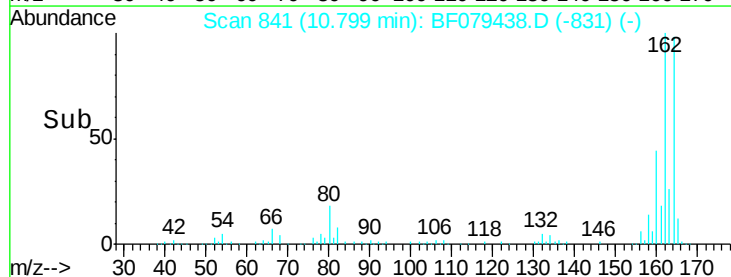
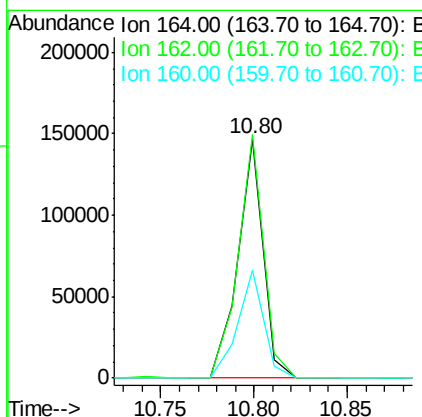
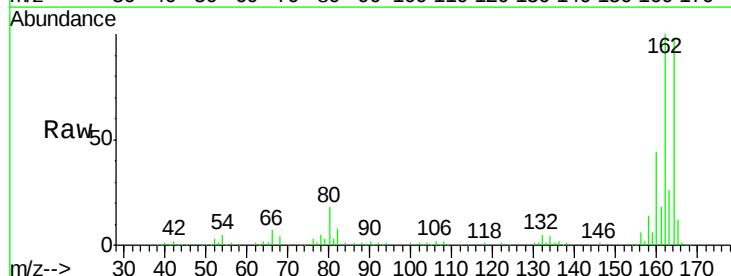
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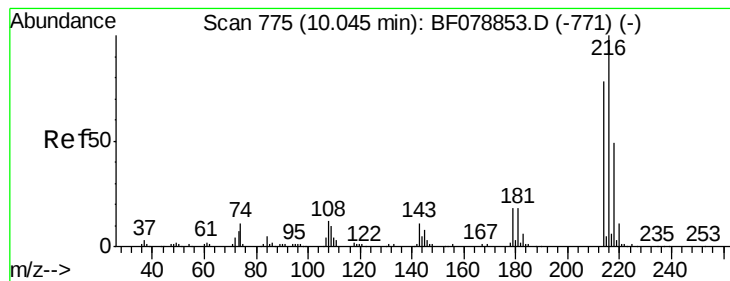
apatel  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.80 min Scan# 841  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 138979 |       |       |
| 162     | 102.1 | 81.4   | 122.0 |       |
| 160     | 45.1  | 36.6   | 54.8  |       |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.89 ng

RT: 9.72 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

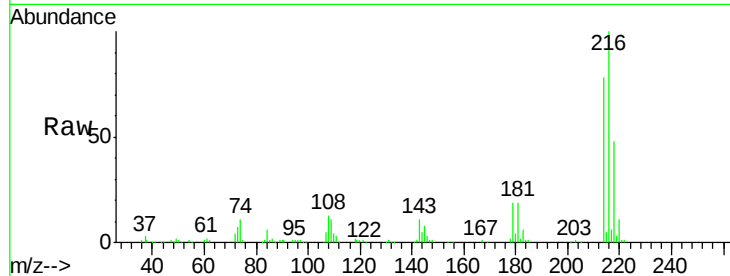
ClientSampleId :

PB83558BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 163971 |       |       |
| 214     | 79.0 |       | 64.0   | 96.0  |       |
| 179     | 21.9 |       | 17.0   | 25.4  |       |
| 108     | 21.8 |       | 17.0   | 25.6  |       |

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apatel  
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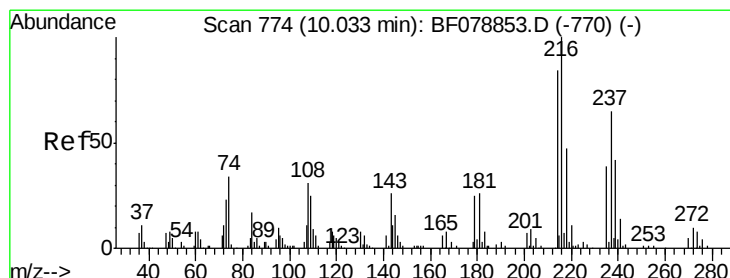
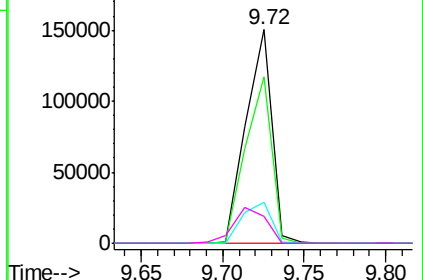
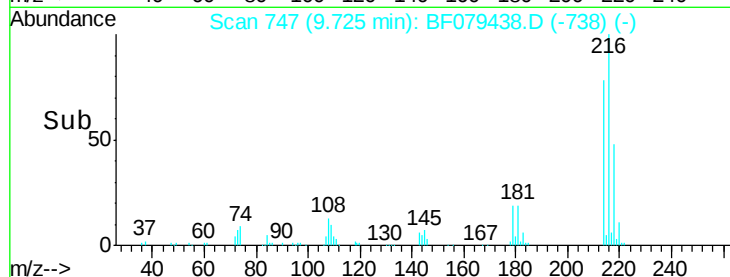


Abundance Ion 216.00 (215.70 to 216.70): E

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: 56.35 ng

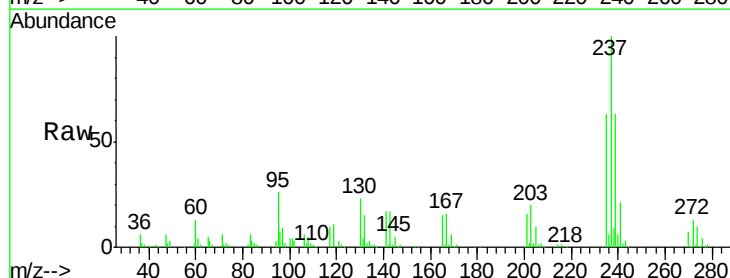
RT: 9.70 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

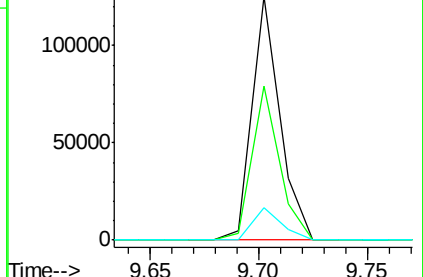
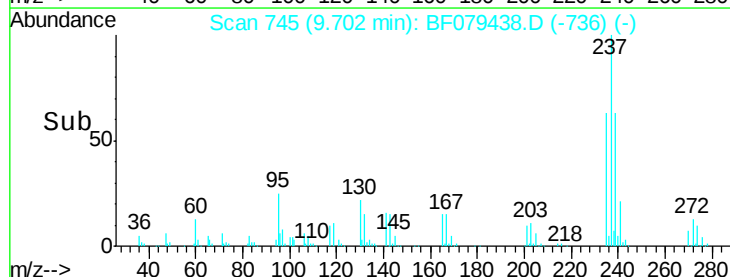
| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 110919 |       |       |
| 235     | 63.4 |       | 40.0   | 80.0  |       |
| 272     | 13.3 |       | 0.0    | 36.0  |       |

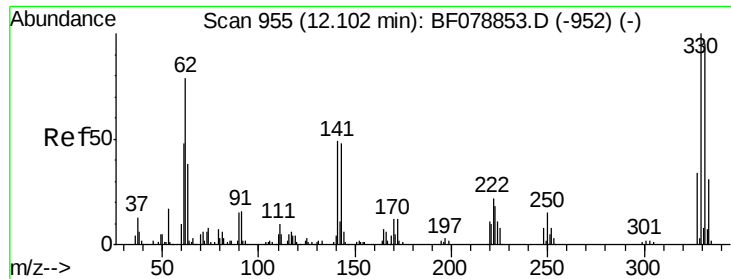


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





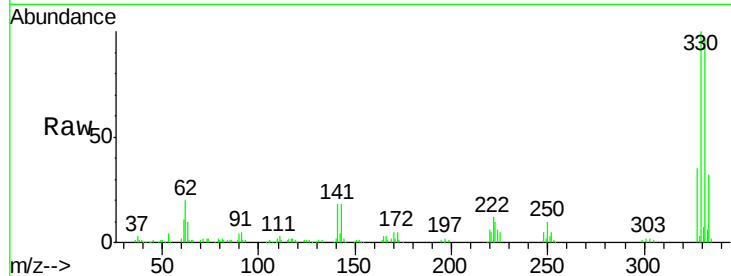
#41  
 2,4,6-Tribromophenol  
 Concen: 100.25 ng  
 RT: 11.78 min Scan# 927  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

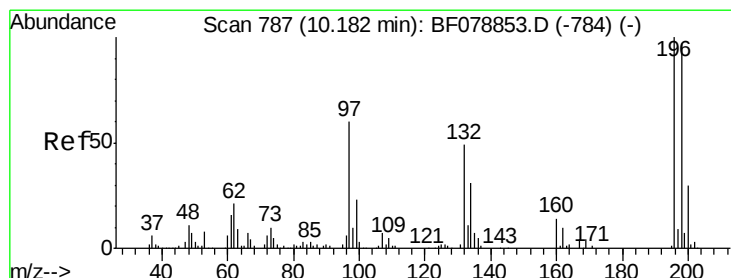
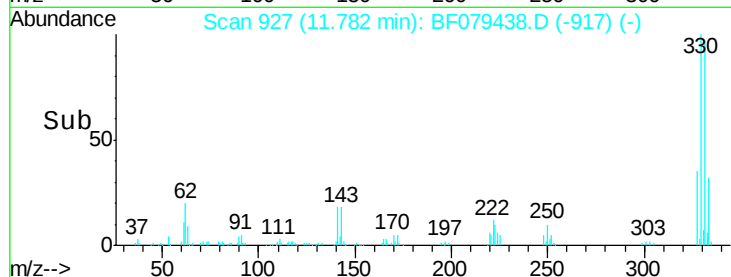
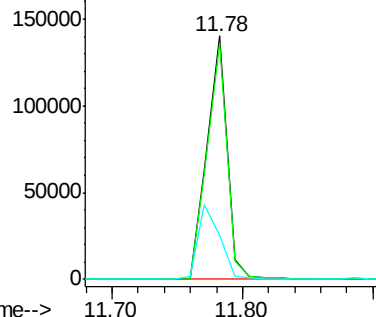
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 150731 |       |       |
| 332     | 96.7  | 76.9   | 115.3 |       |
| 141     | 33.2  | 27.8   | 41.8  |       |

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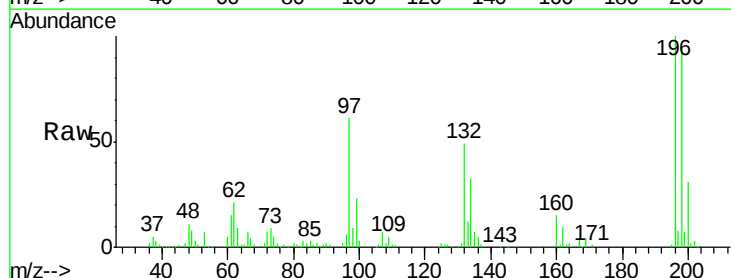


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

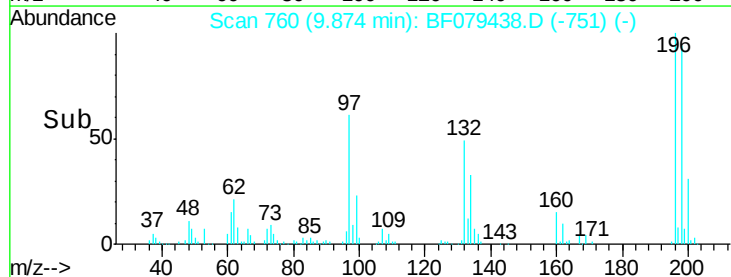
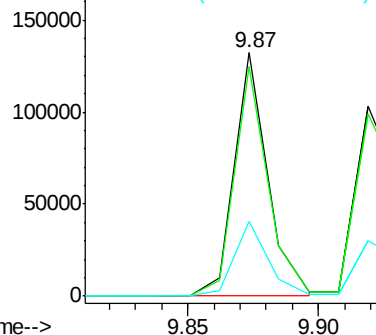


#42  
 2,4,6-Trichlorophenol  
 Concen: 43.78 ng  
 RT: 9.87 min Scan# 760  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 117809 |       |       |
| 198     | 94.3  | 77.4   | 116.2 |       |
| 200     | 30.6  | 23.7   | 35.5  |       |



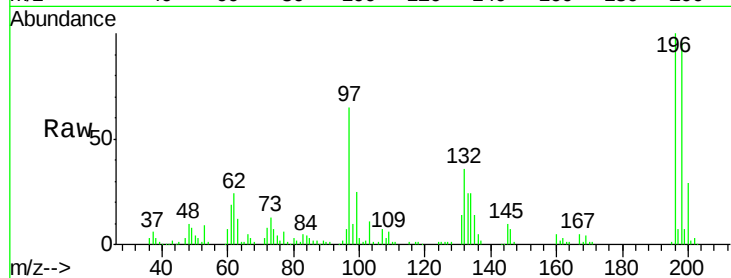
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





#43  
 2,4,5-Trichlorophenol  
 Concen: 44.85 ng  
 RT: 9.92 min Scan# 764  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

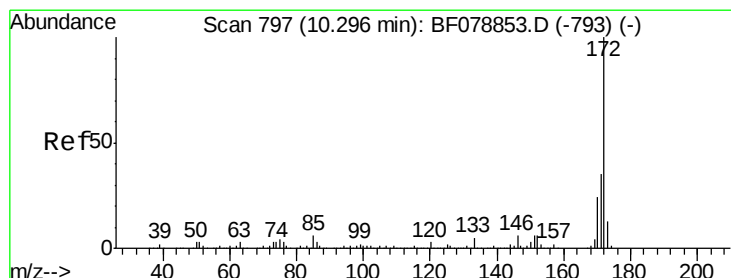
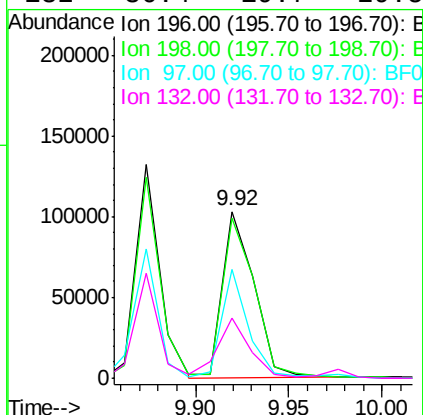
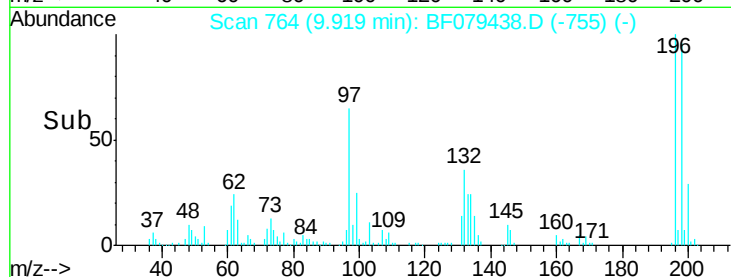
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS



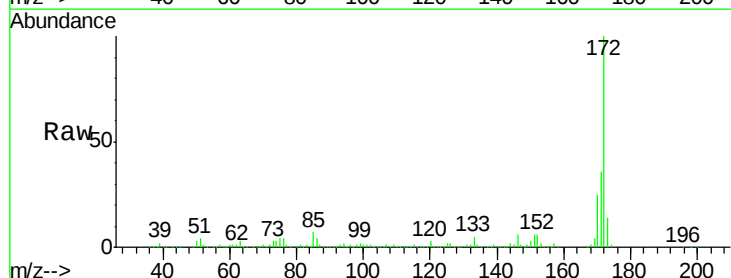
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 122013 |       |       |
| 198     | 96.0  | 77.3   | 115.9 |       |
| 97      | 65.4  | 31.3   | 46.9  |       |
| 132     | 36.4  | 19.7   | 29.5  |       |

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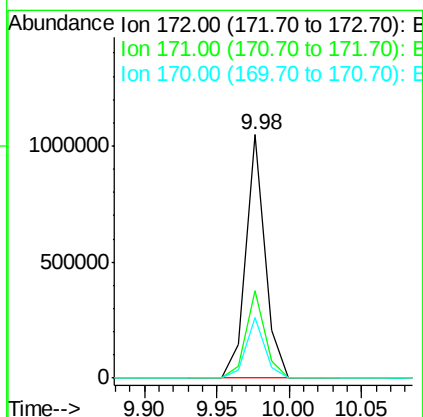
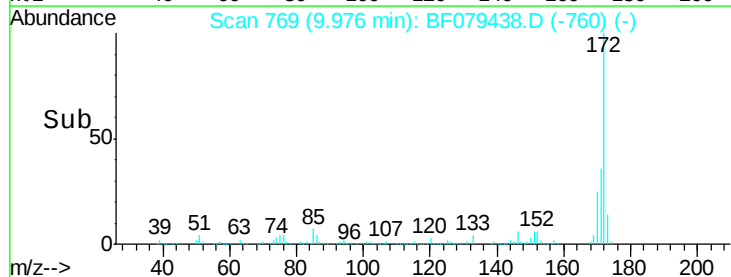
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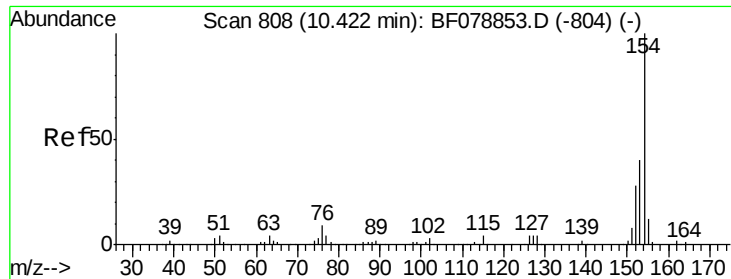


#44  
 2-Fluorobiphenyl  
 Concen: 96.53 ng  
 RT: 9.98 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 962893 |       |       |
| 171     | 35.9  | 28.3   | 42.5  |       |
| 170     | 24.8  | 19.4   | 29.2  |       |





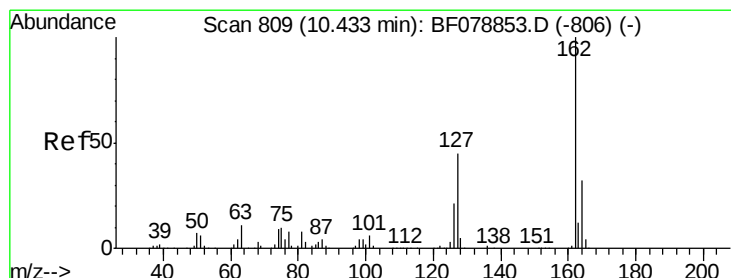
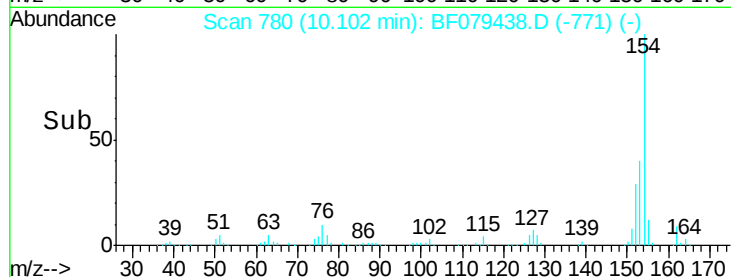
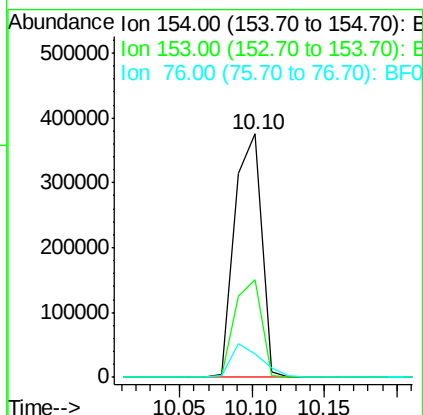
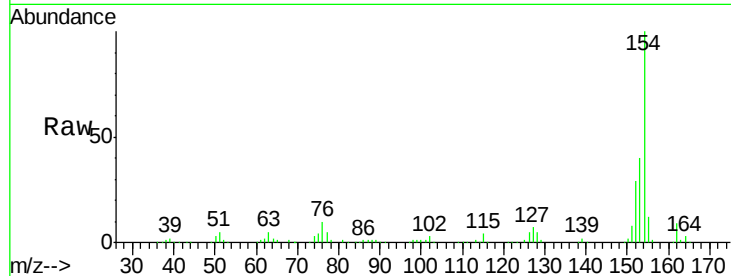
#45  
1,1'-Biphenyl  
Concen: 43.79 ng  
RT: 10.10 min Scan# 780  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.2  | 19.7  | 59.7  |
| 76      | 9.7   | 0.0   | 29.1  |

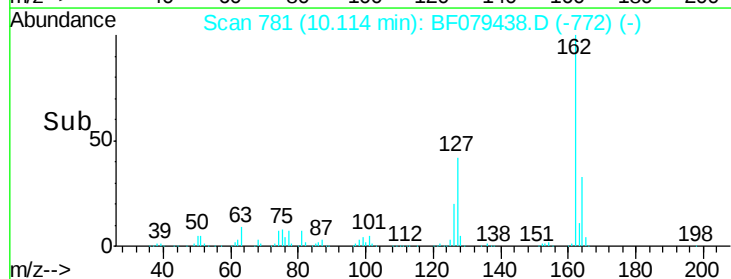
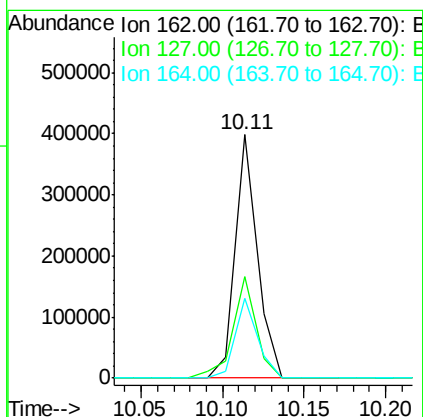
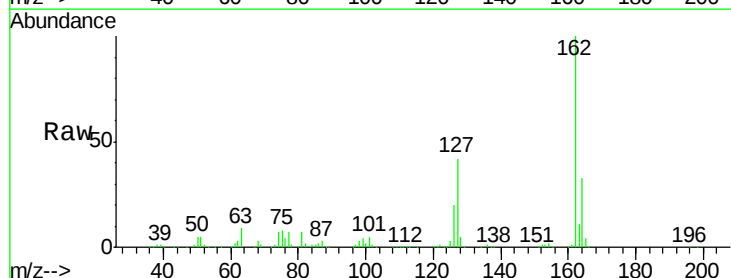
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#46  
2-Chloronaphthalene  
Concen: 43.03 ng  
RT: 10.11 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.0  | 36.3  | 54.5  |
| 164     | 32.9  | 25.9  | 38.9  |





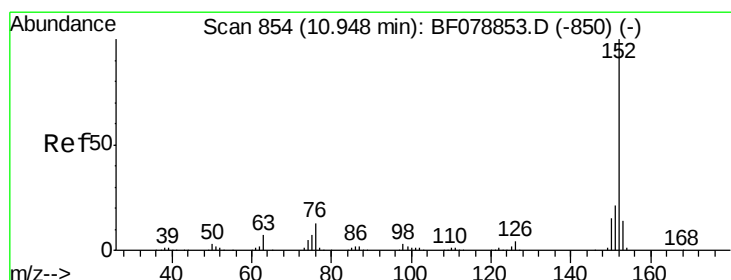
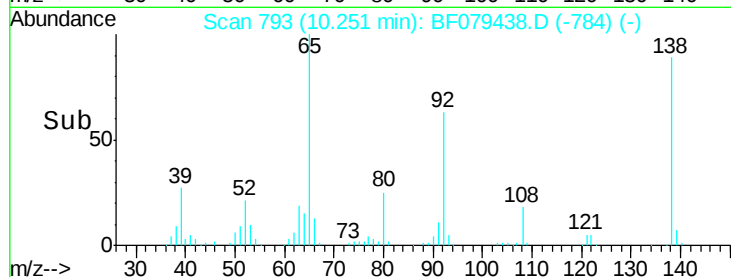
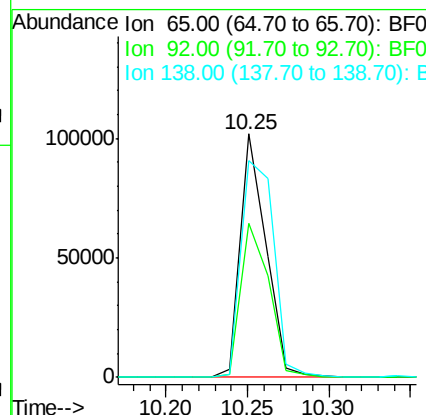
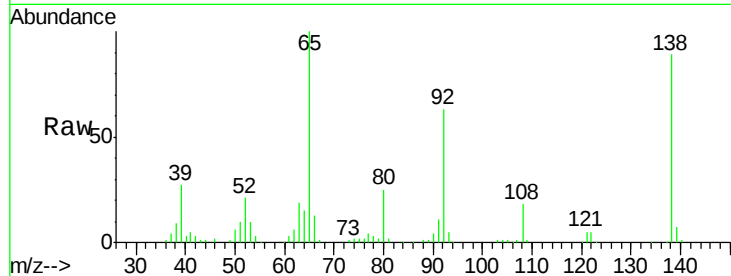
#47  
 2-Nitroaniline  
 Concen: 44.59 ng  
 RT: 10.25 min Scan# 793  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 111339 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 63.2  | 49.1  | 73.7   |
| 138       | 89.1  | 63.2  | 94.8   |

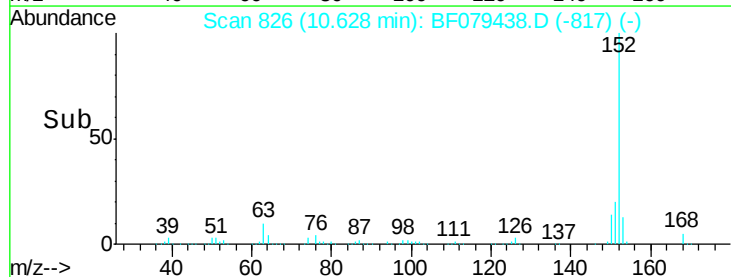
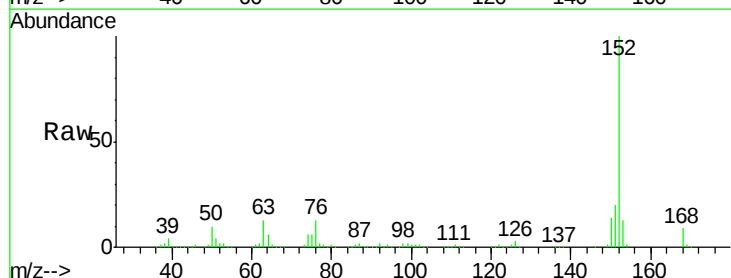
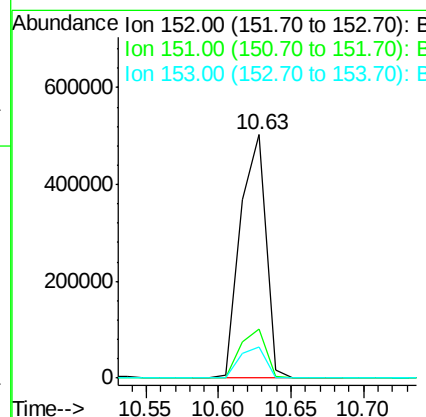
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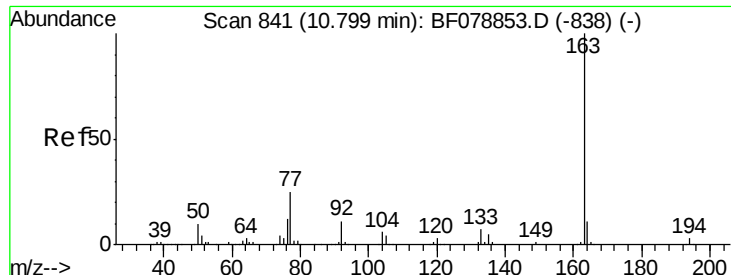
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#48  
 Acenaphthylene  
 Concen: 43.51 ng  
 RT: 10.63 min Scan# 826  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 615642 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.0  | 16.6  | 24.8   |
| 153       | 12.9  | 11.0  | 16.6   |





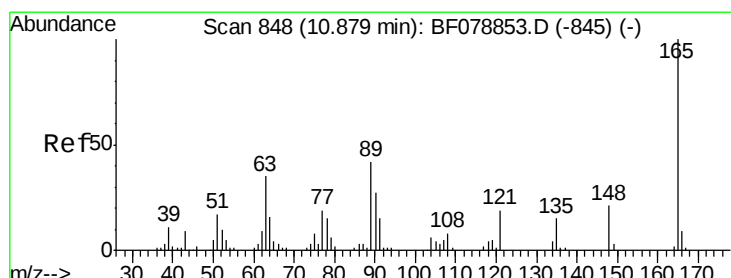
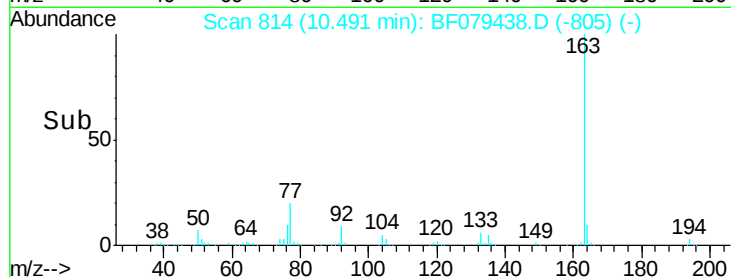
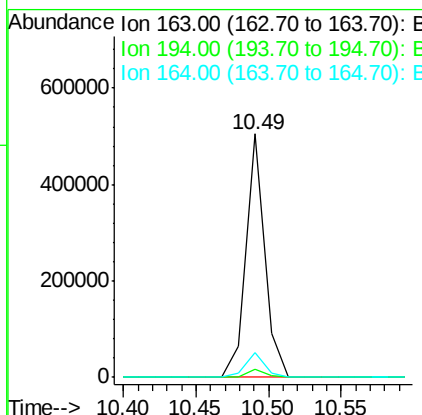
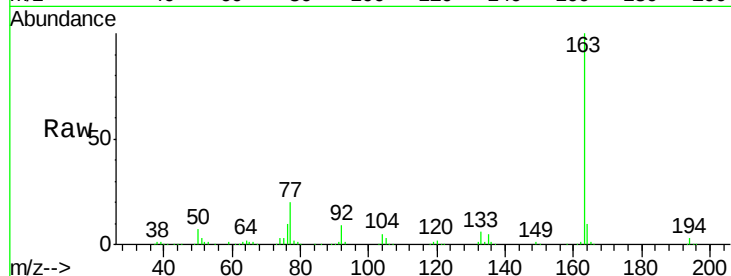
#49  
Dimethylphthalate  
Concen: 44.61 ng  
RT: 10.49 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 455038 |       |       |
| 194     | 3.1   | 2.4    | 3.6   |       |
| 164     | 10.2  | 8.6    | 12.8  |       |

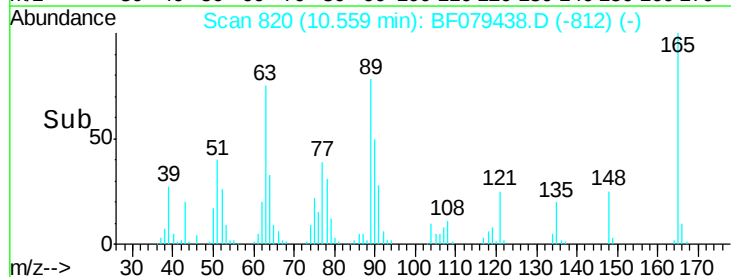
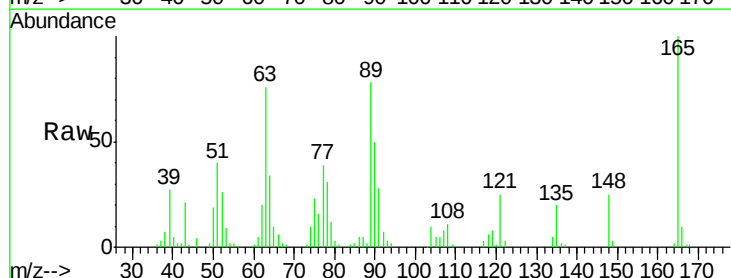
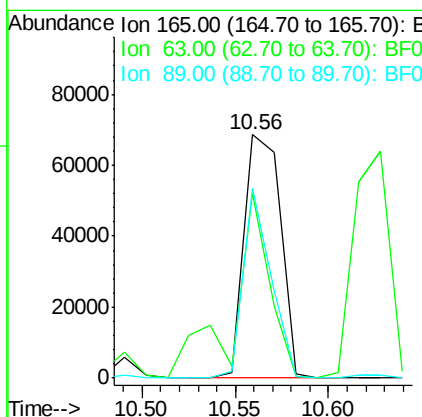
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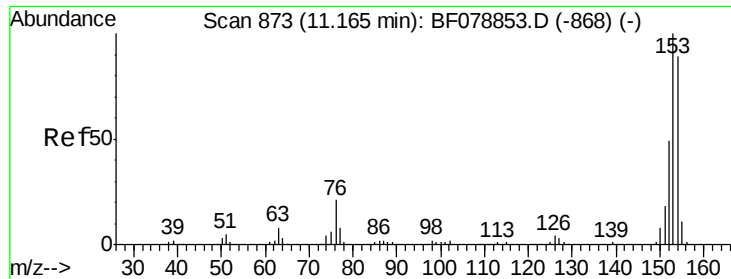
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#50  
2,6-Dinitrotoluene  
Concen: 46.07 ng  
RT: 10.56 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 92739 |       |       |
| 63      | 75.7  | 29.2  | 43.8# |       |
| 89      | 77.9  | 33.3  | 49.9# |       |





#51

Acenaphthene

Concen: 41.11 ng

RT: 10.83 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

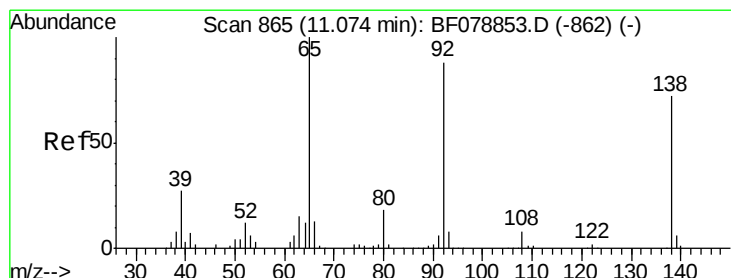
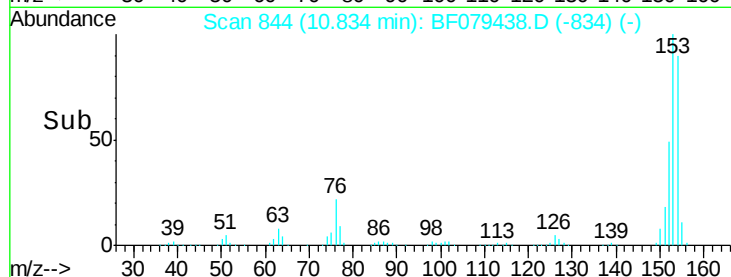
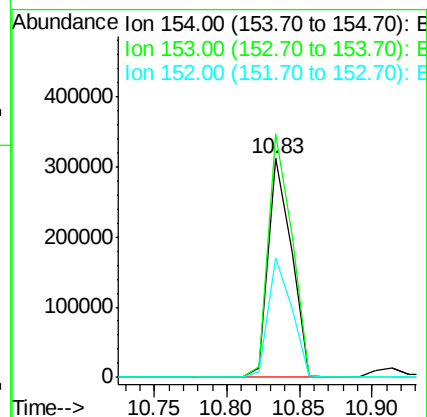
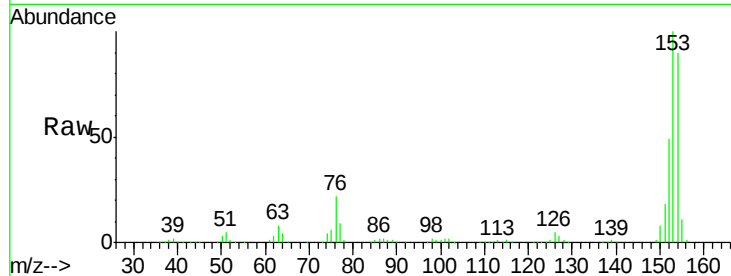
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 346872 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.2 | 90.2  | 135.2  |
| 152       | 54.6  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 32.90 ng

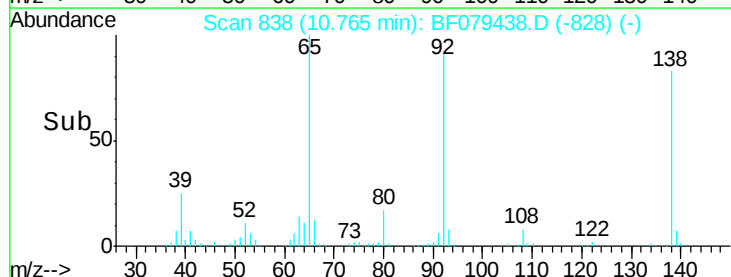
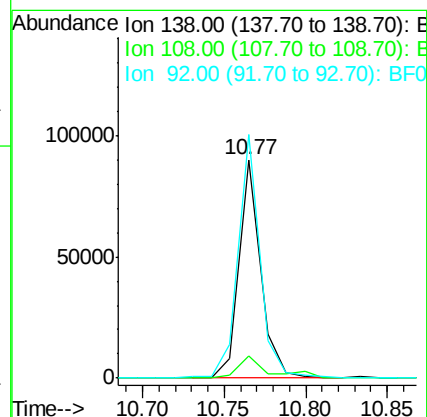
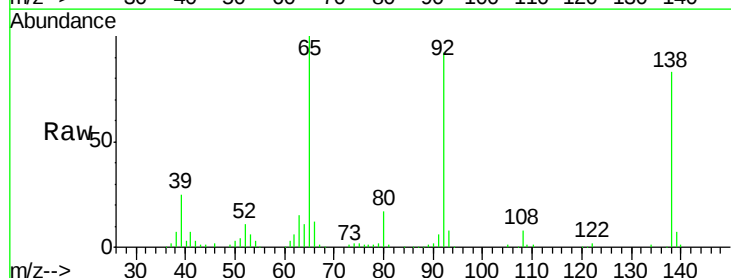
RT: 10.77 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 82721 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.2  | 8.5   | 12.7  |
| 92        | 111.4 | 97.4  | 146.0 |





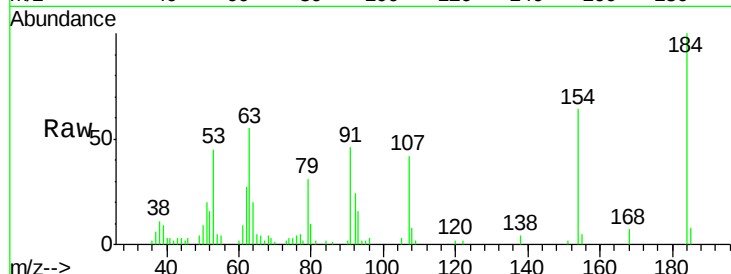
#53  
2,4-Dinitrophenol  
Concen: 53.12 ng  
RT: 10.91 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

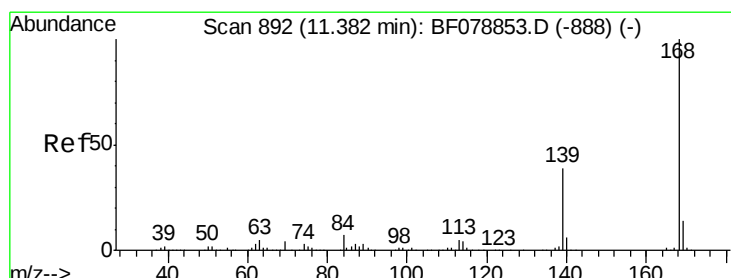
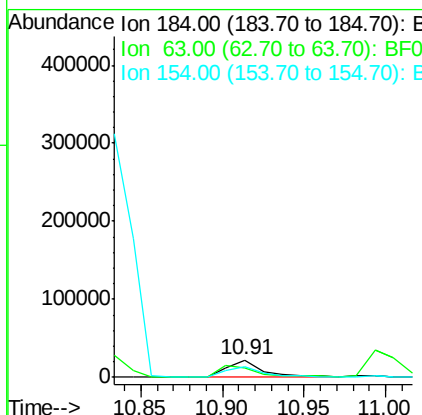
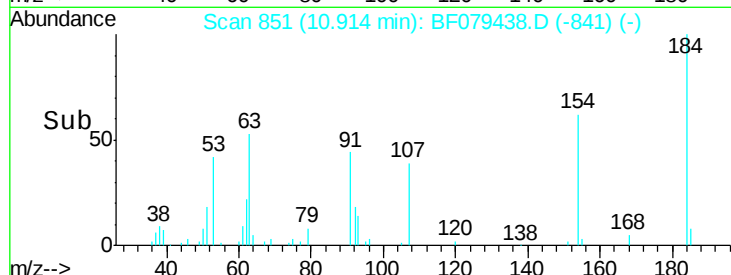
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 54.8  | 98.8  | 148.2# |
| 154     | 64.2  | 63.4  | 95.0   |

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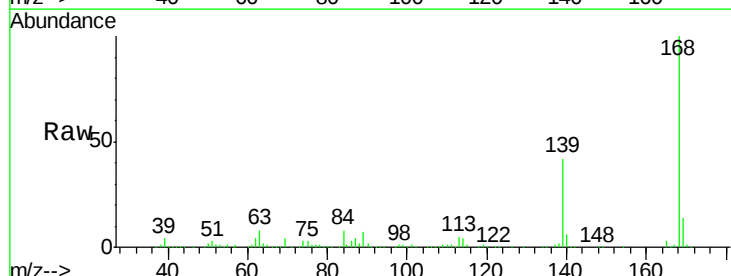


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

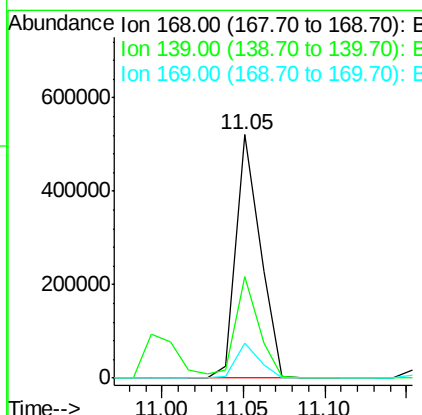
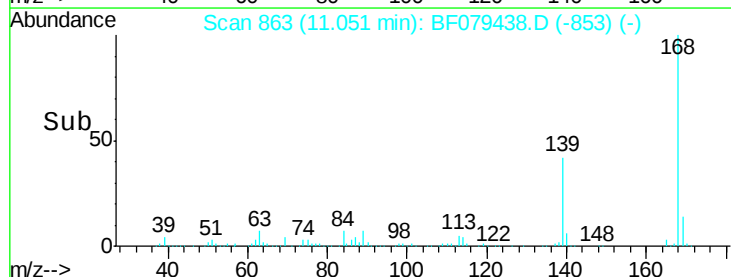


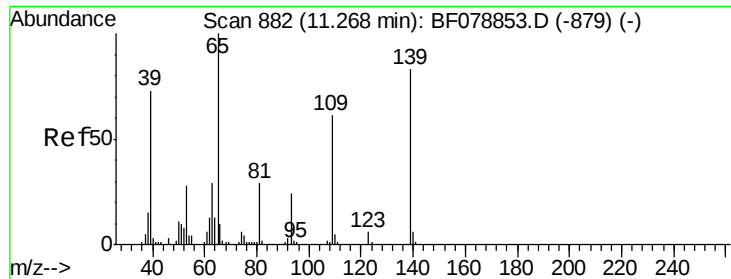
#54  
Dibenzofuran  
Concen: 43.82 ng  
RT: 11.05 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.9  | 31.5  | 47.3  |
| 169     | 14.1  | 11.0  | 16.4  |



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





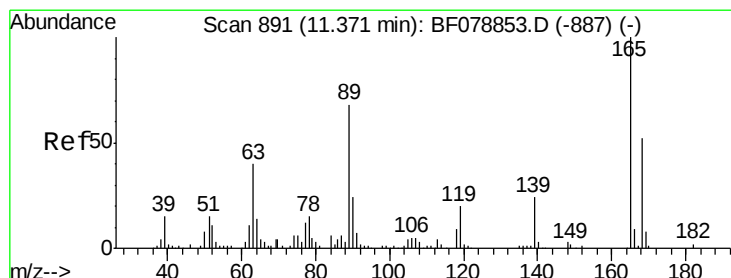
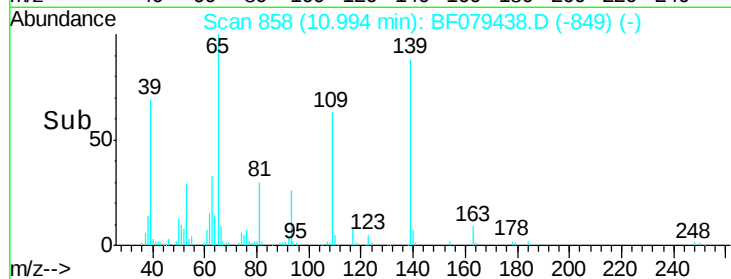
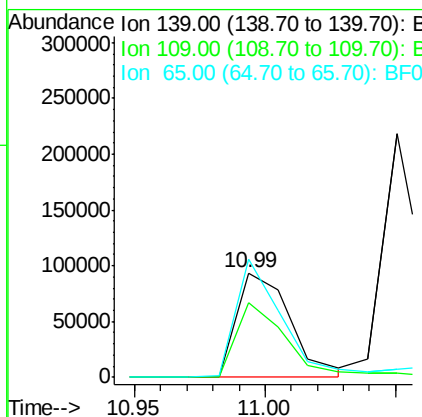
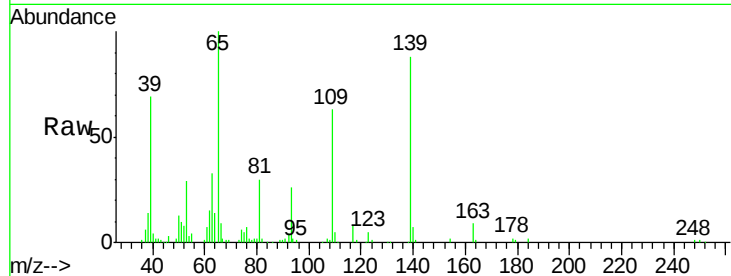
#55  
4-Nitrophenol  
Concen: 67.45 ng  
RT: 10.99 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   |       |       |       |
| 109     | 71.1  | 54.4  | 94.4  |       |
| 65      | 113.1 | 101.0 | 141.0 |       |

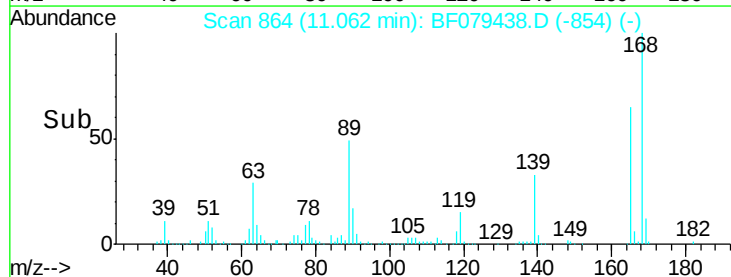
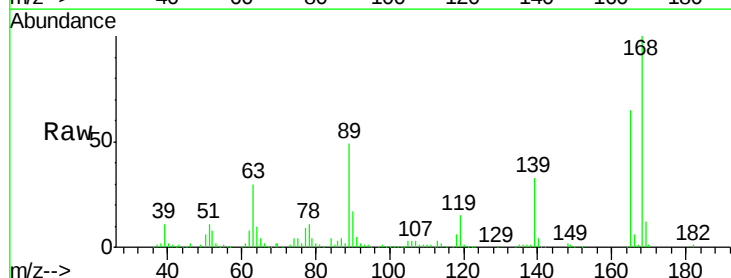
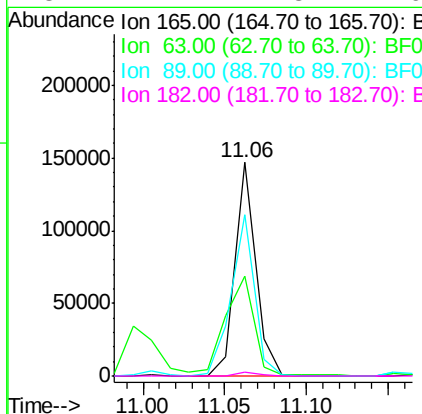
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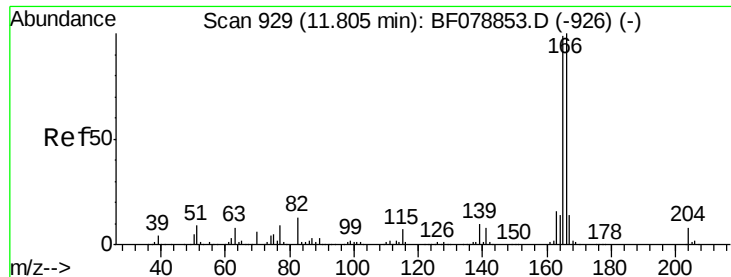
apatel  
5/27/2015 8:15:43 AM



#56  
2,4-Dinitrotoluene  
Concen: 48.25 ng  
RT: 11.06 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 46.7  | 32.3 | 48.5  |       |
| 89      | 75.3  | 54.6 | 81.8  |       |
| 182     | 2.1   | 1.8  | 2.6   |       |





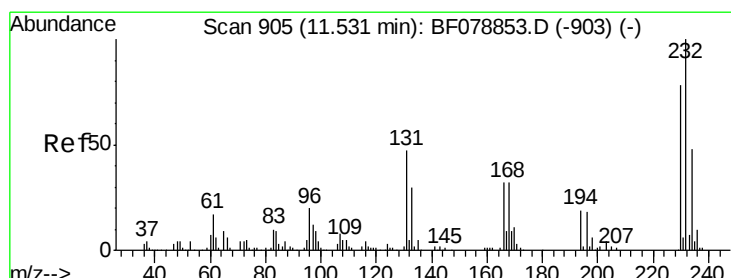
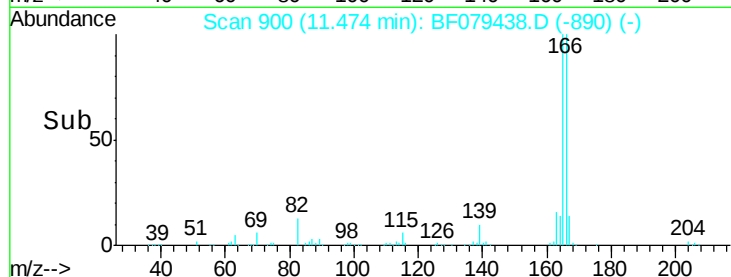
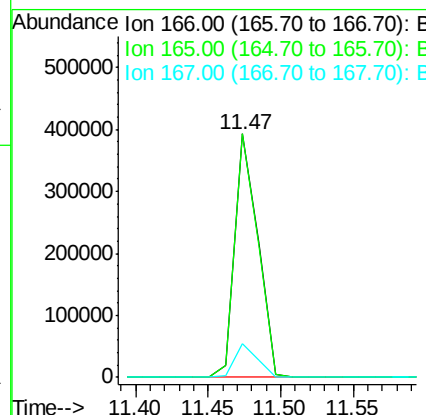
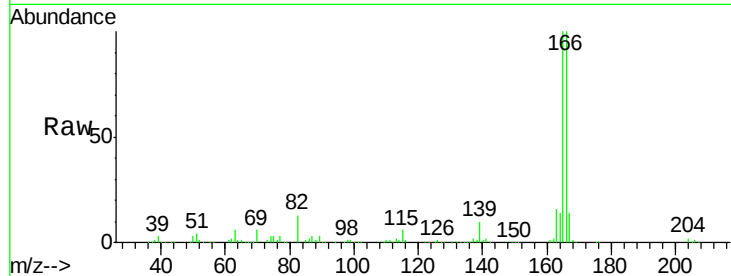
#57  
 Fluorene  
 Concen: 43.48 ng  
 RT: 11.47 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.1 | 79.5  | 119.3 |
| 167     | 13.6  | 11.0  | 16.6  |

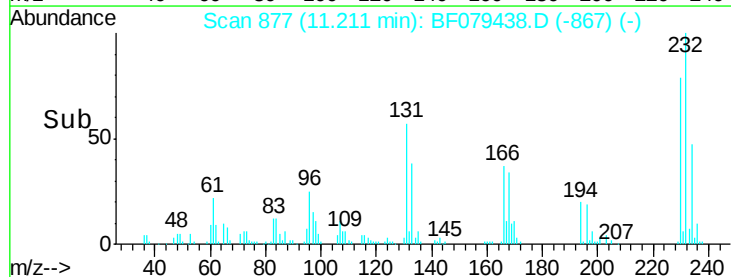
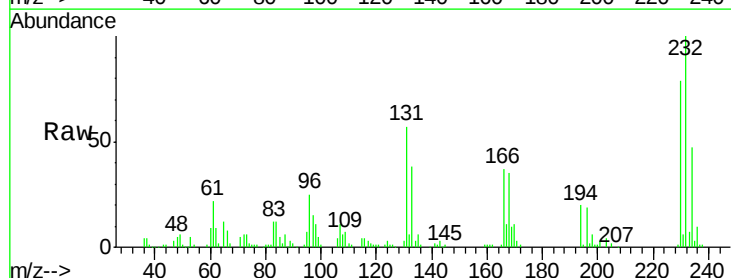
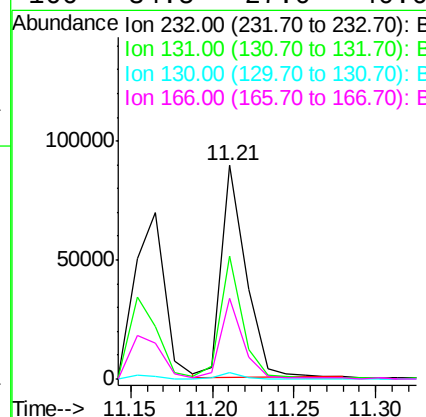
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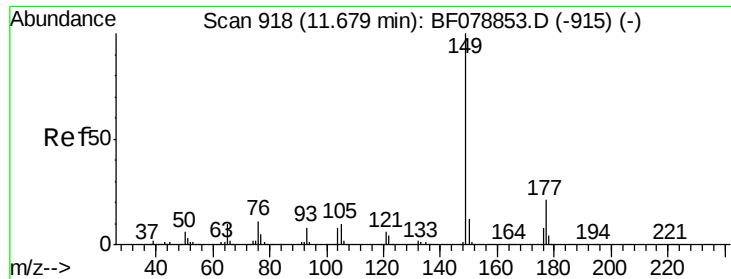
apatel  
 5/27/2015 8:15:43 AM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.08 ng  
 RT: 11.21 min Scan# 877  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 52.0  | 41.9  | 62.9  |
| 130     | 2.5   | 1.9   | 2.9   |
| 166     | 34.5  | 27.0  | 40.6  |





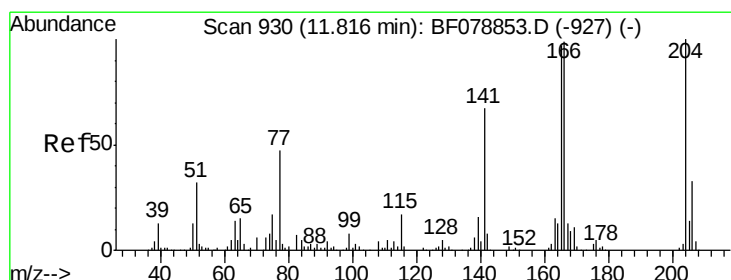
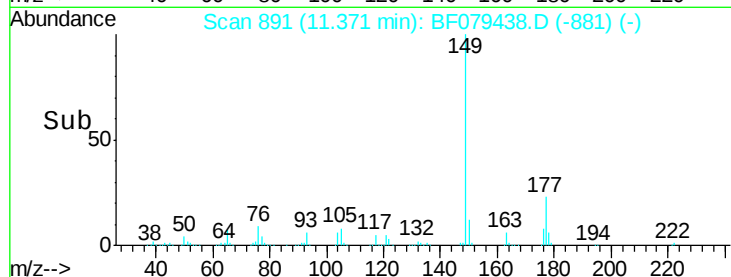
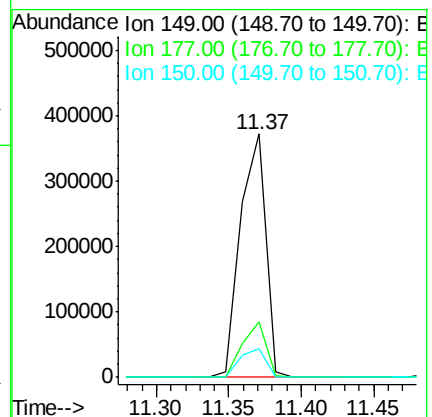
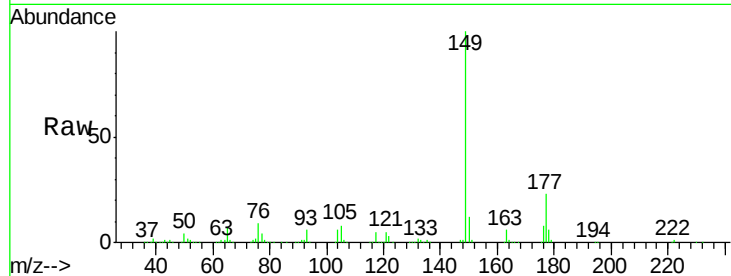
#59  
Diethylphthalate  
Concen: 44.68 ng  
RT: 11.37 min Scan# 891  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.6  | 16.4  | 24.6  |
| 150     | 11.8  | 9.8   | 14.6  |

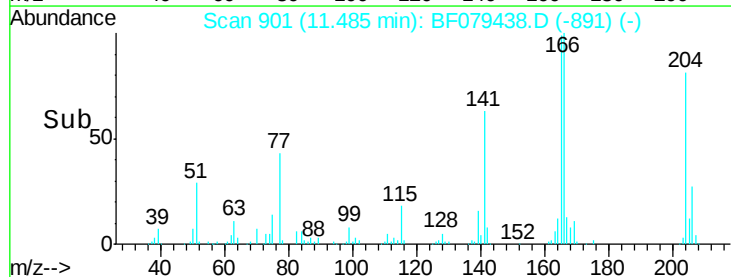
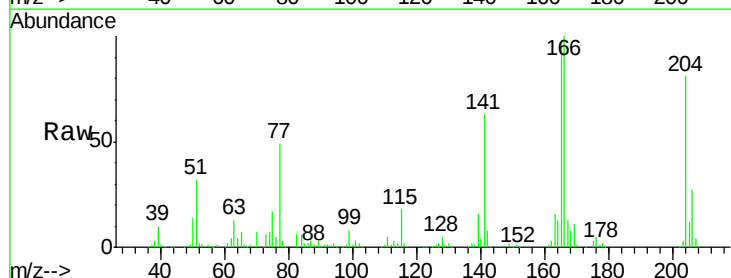
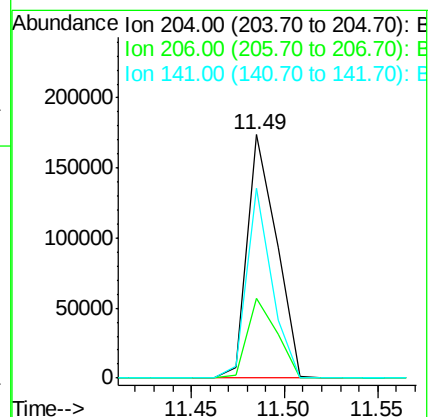
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5/27/2015 8:15:43 AM



#60  
4-Chlorophenyl-phenylether  
Concen: 42.55 ng  
RT: 11.49 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.2  | 39.4  |
| 141     | 77.8  | 53.6  | 80.4  |





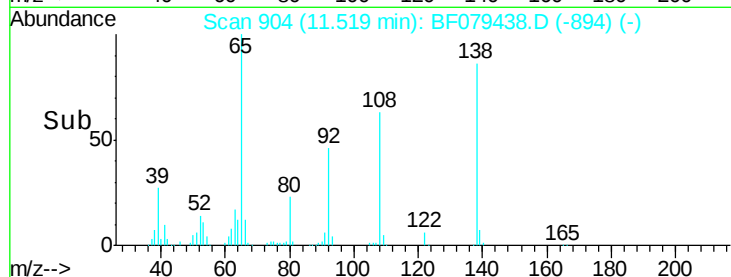
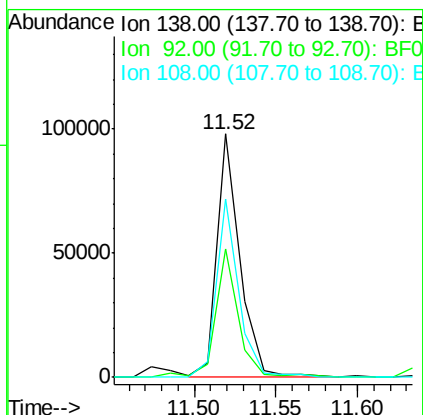
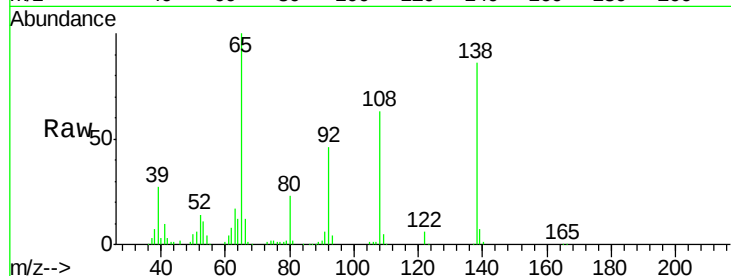
#61  
4-Nitroaniline  
Concen: 37.66 ng  
RT: 11.52 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampled :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.0  | 33.7  | 73.7  |
| 108     | 73.1  | 53.4  | 93.4  |

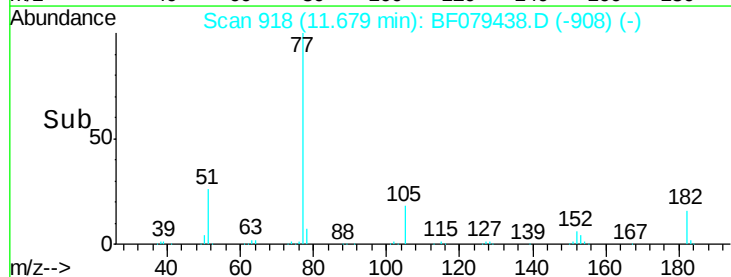
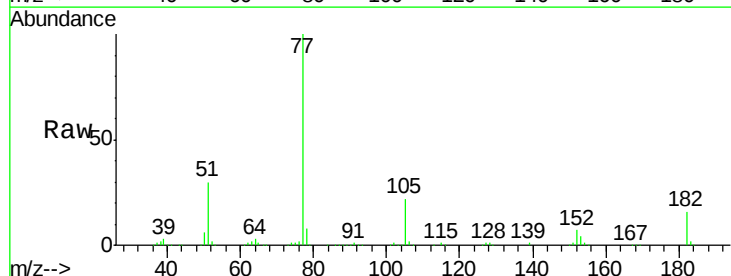
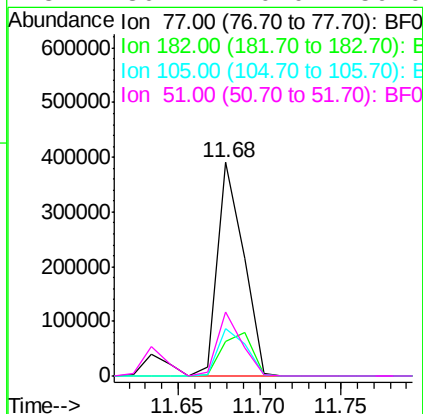
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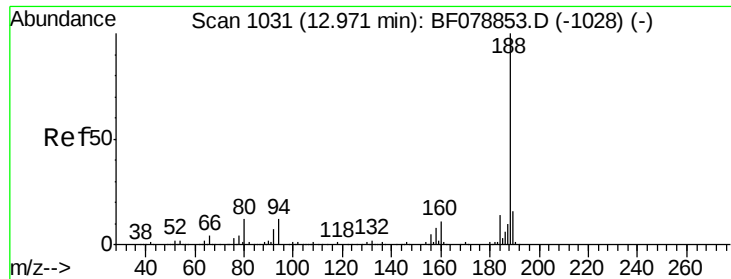
apatel  
5/27/2015 8:15:43 AM



#62  
Azobenzene  
Concen: 43.27 ng  
RT: 11.68 min Scan# 918  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 16.4  | 0.0   | 40.0  |
| 105     | 22.1  | 2.9   | 42.9  |
| 51      | 30.2  | 10.0  | 50.0  |





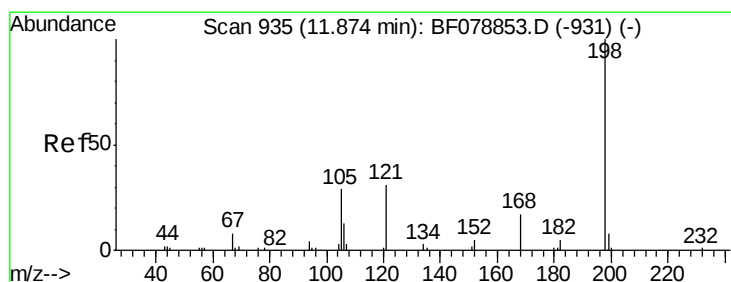
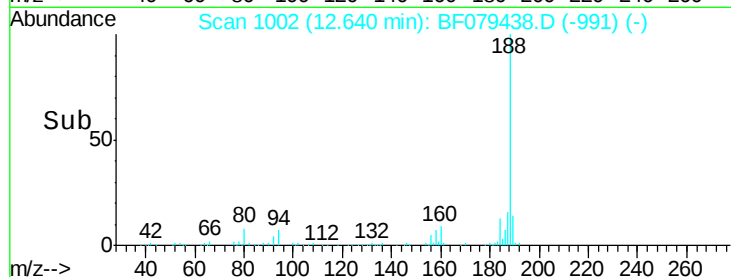
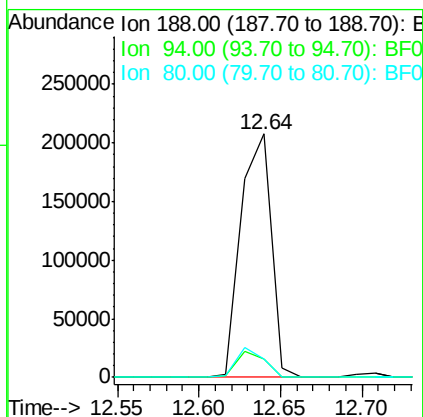
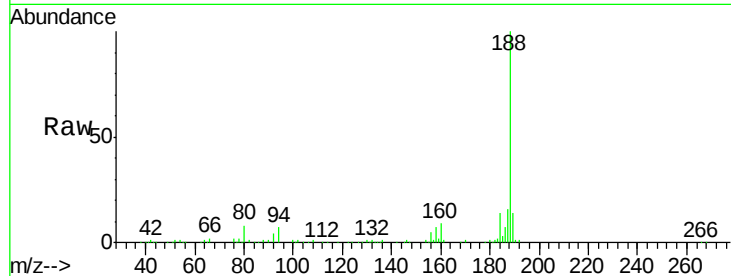
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.64 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 267260 |       |       |
| 94      | 7.4   |        | 9.4   | 14.0# |
| 80      | 7.6   |        | 9.8   | 14.6# |

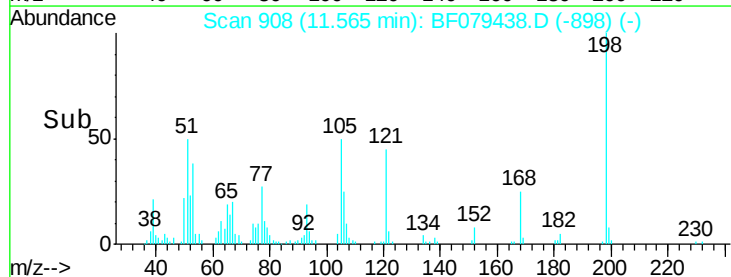
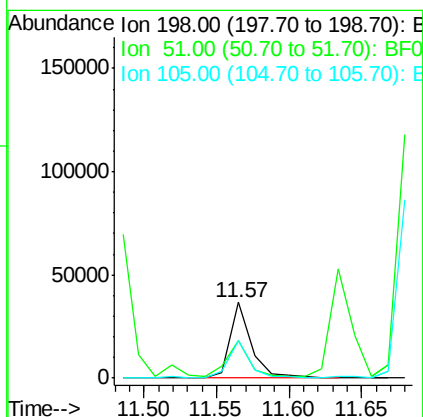
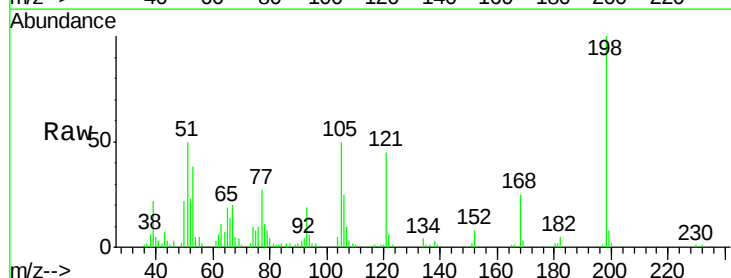
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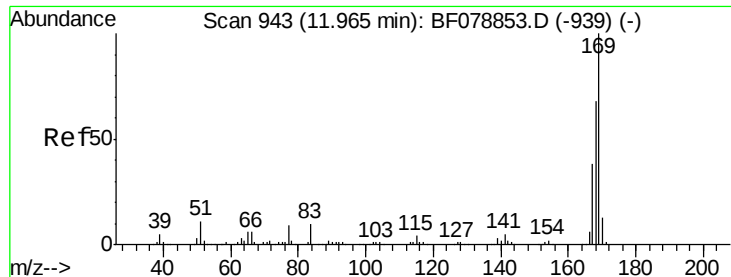
apatel  
5/27/2015 8:15:43 AM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 37.31 ng  
RT: 11.57 min Scan# 908  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 37759 |       |       |
| 51      | 50.2  |       | 7.0   | 47.0# |
| 105     | 49.6  |       | 13.7  | 53.7  |





#65

n-Nitrosodiphenylamine

Concen: 42.98 ng

RT: 11.63 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

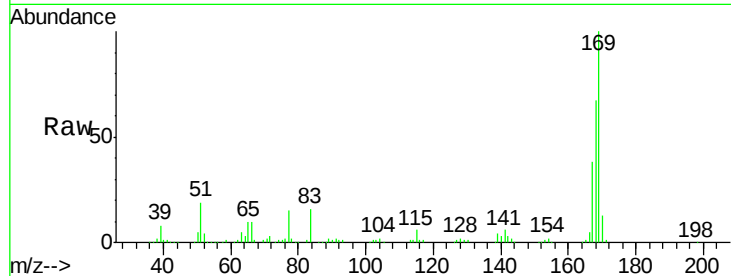
ClientSampleId :

PB83558BS

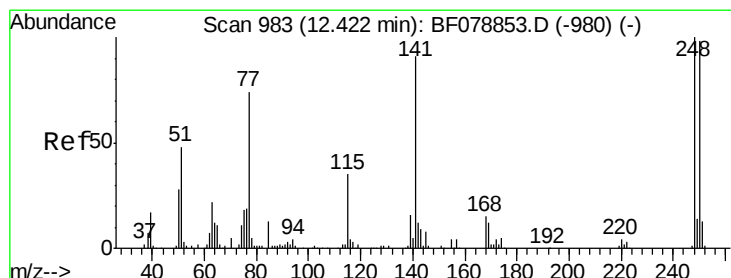
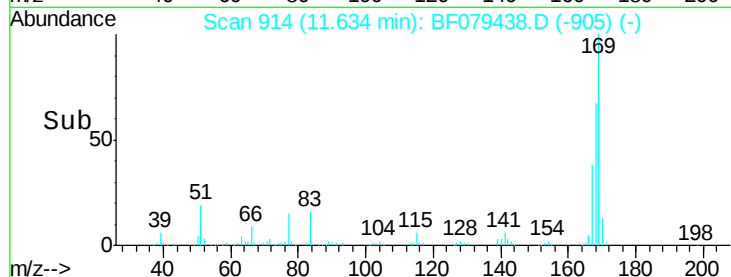
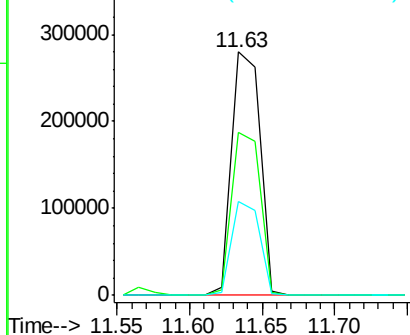
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 382522 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 66.9  | 54.1  | 81.1   |
| 167       | 38.3  | 30.1  | 45.1   |

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



#66

4-Bromophenyl-phenylether

Concen: 44.39 ng

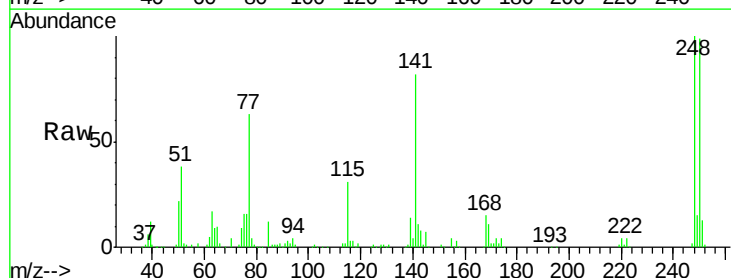
RT: 12.09 min Scan# 954

Delta R.T. 0.00 min

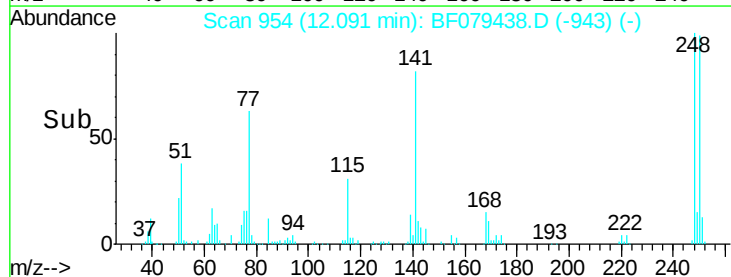
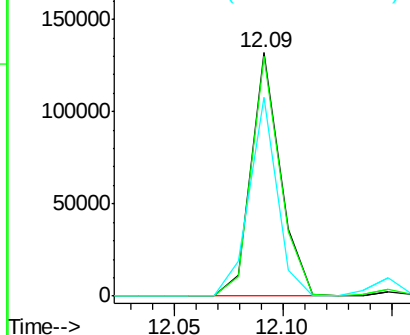
Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 123646 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 98.7  | 78.0  | 117.0  |
| 141       | 81.7  | 72.6  | 109.0  |



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





#67

Hexachlorobenzene

Concen: 43.41 ng

RT: 12.15 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

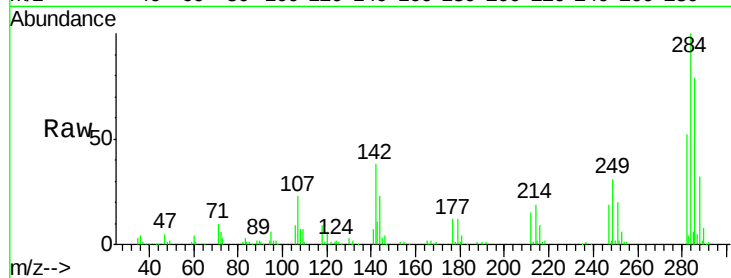
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 138218 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 38.1  | 43.2  | 64.8#  |
| 249       | 31.3  | 27.5  | 41.3   |

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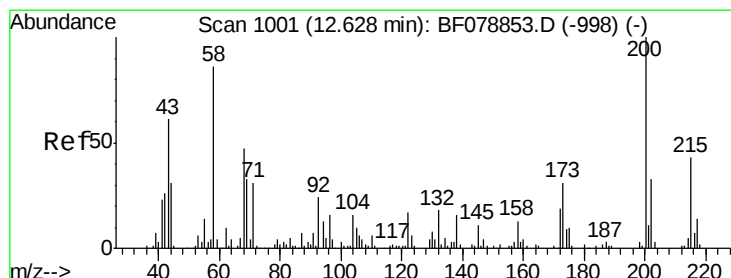
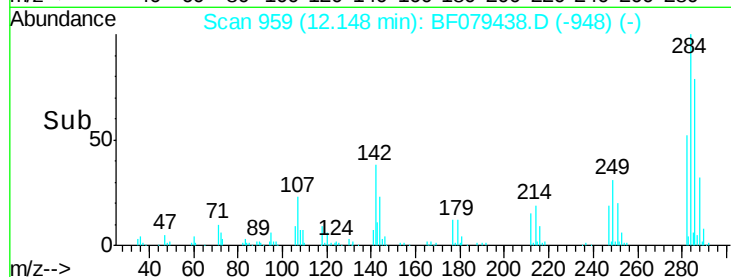
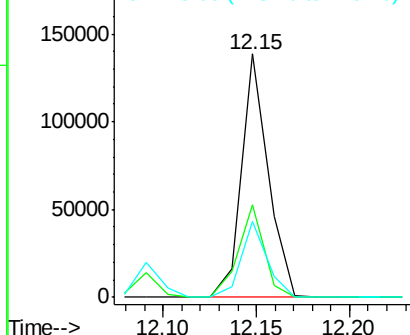
apatel  
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 47.93 ng

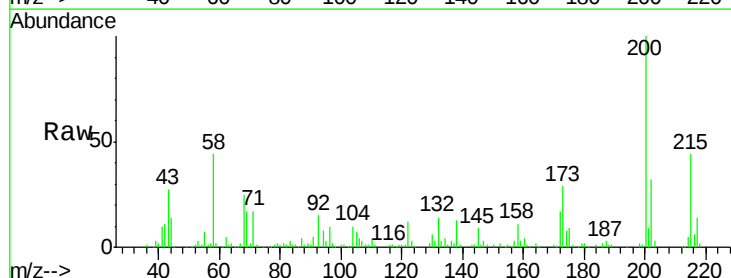
RT: 12.32 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

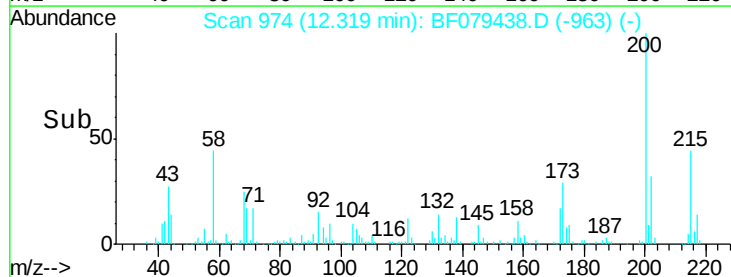
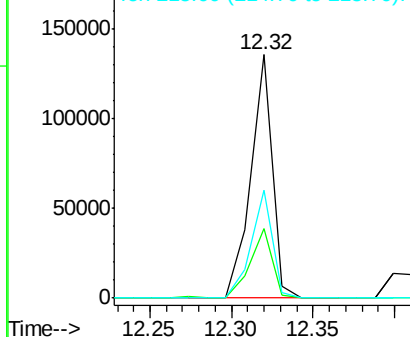
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 124056 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.6  | 10.9  | 50.9   |
| 215       | 44.2  | 23.2  | 63.2   |



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





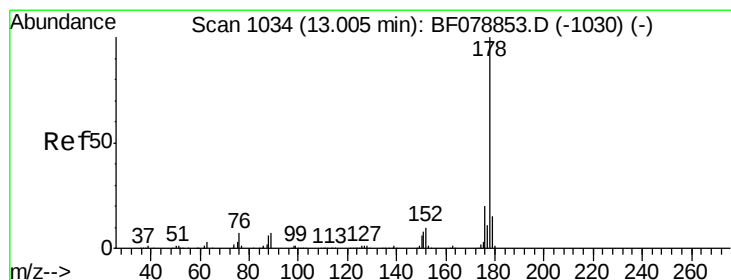
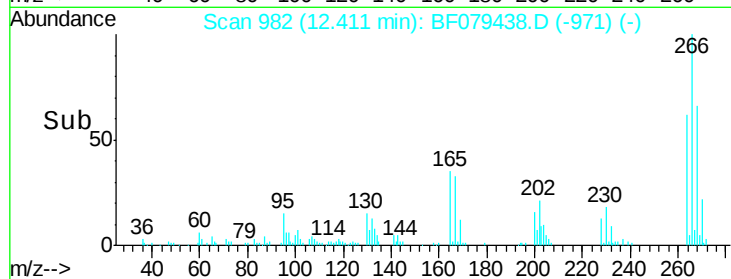
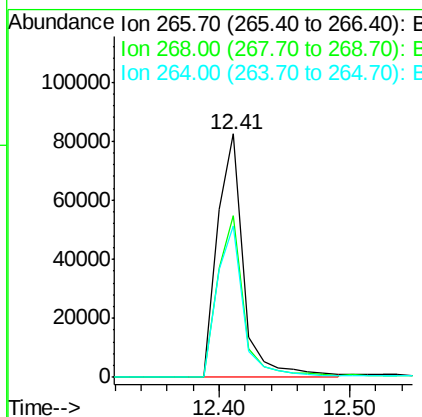
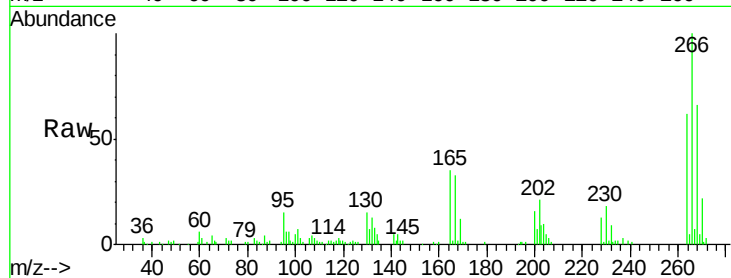
#69  
 Pentachlorophenol  
 Concen: 63.53 ng  
 RT: 12.41 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.2  | 55.0  | 82.6  |
| 264     | 62.2  | 50.9  | 76.3  |

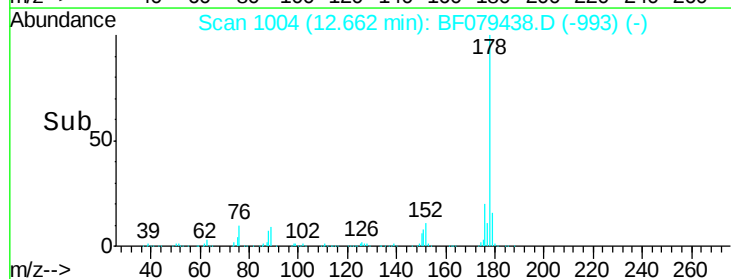
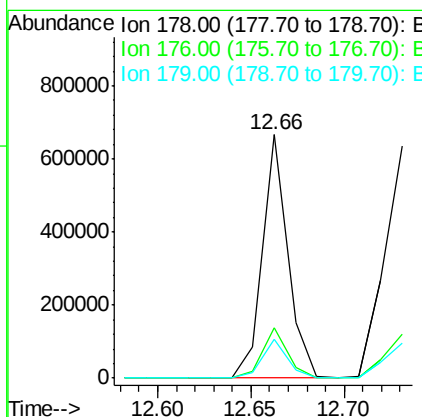
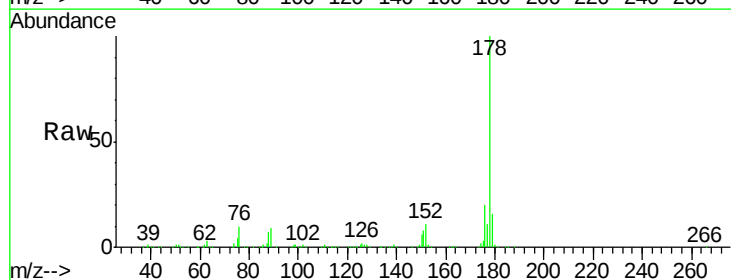
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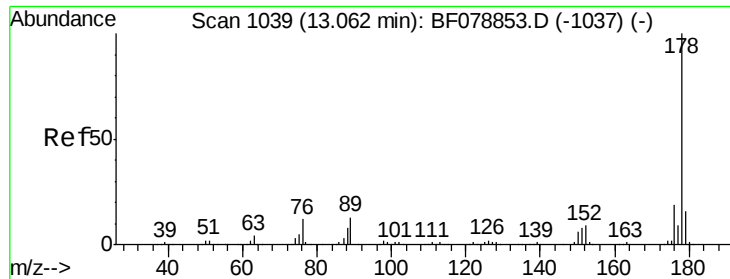
apatel  
 5/27/2015 8:15:43 AM



#70  
 Phenanthrene  
 Concen: 41.69 ng  
 RT: 12.66 min Scan# 1004  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.4  | 15.9  | 23.9  |
| 179     | 16.0  | 12.2  | 18.4  |





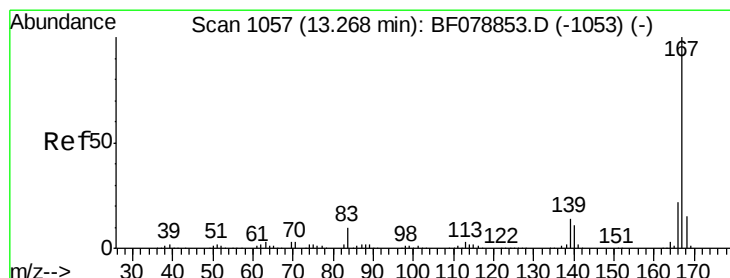
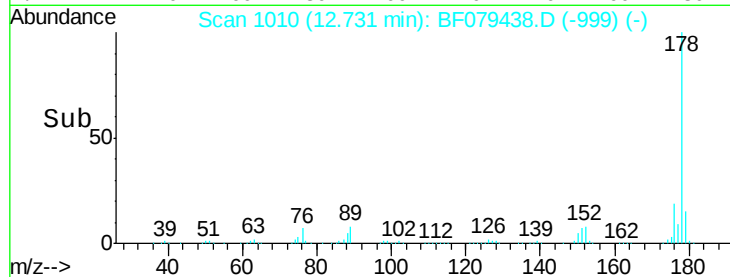
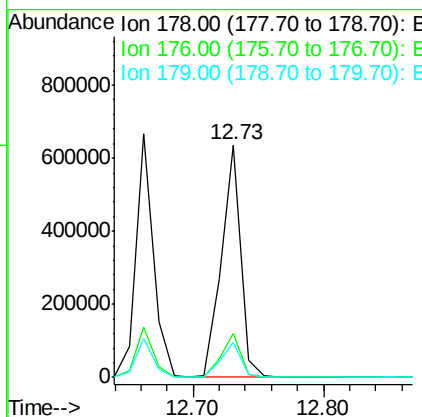
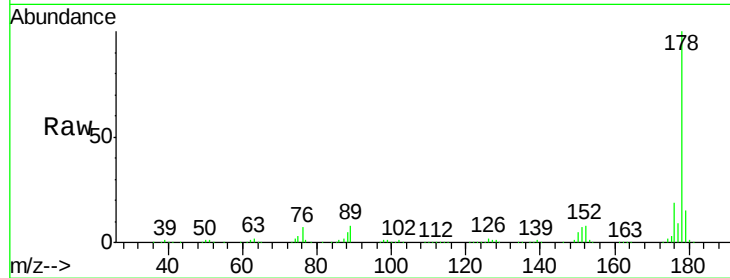
#71  
 Anthracene  
 Concen: 44.92 ng  
 RT: 12.73 min Scan# 1010  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.3  | 22.9  |
| 179     | 15.3  | 12.6  | 19.0  |

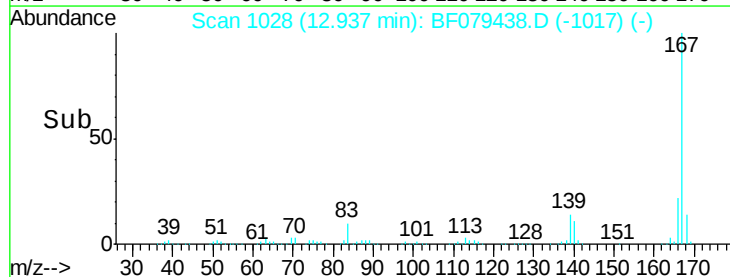
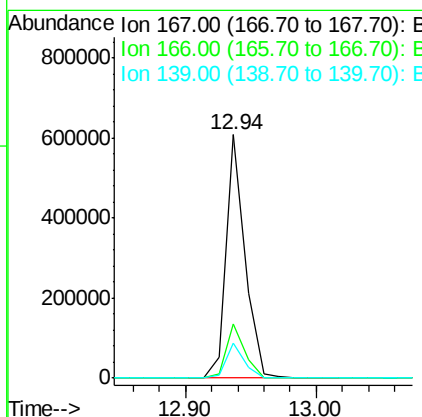
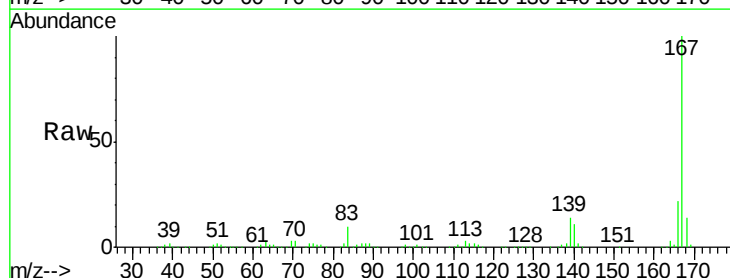
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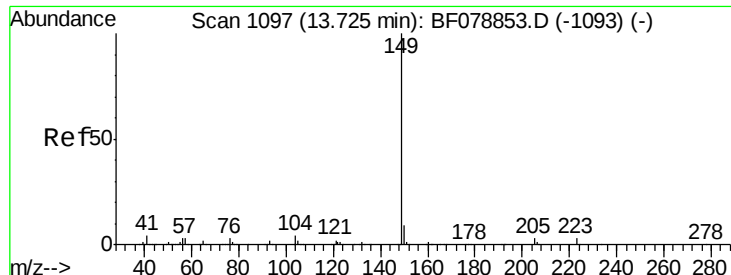
apatel  
 5/27/2015 8:15:43 AM



#72  
 Carbazole  
 Concen: 43.63 ng  
 RT: 12.94 min Scan# 1028  
 Delta R.T. 0.00 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.5  | 26.3  |
| 139     | 14.2  | 11.0  | 16.4  |





#73

Di-n-butylphthalate

Concen: 44.45 ng

RT: 13.39 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

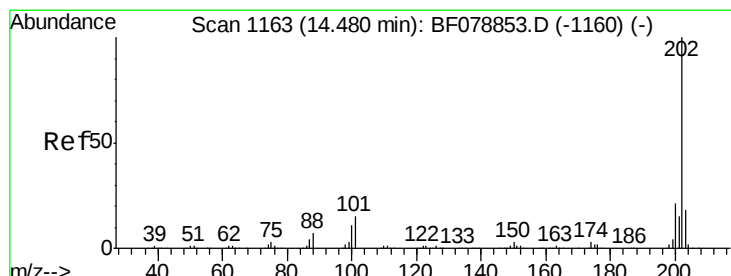
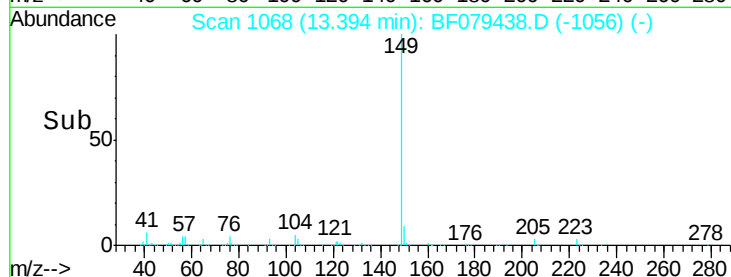
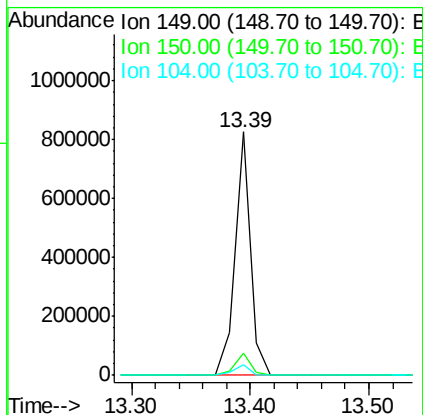
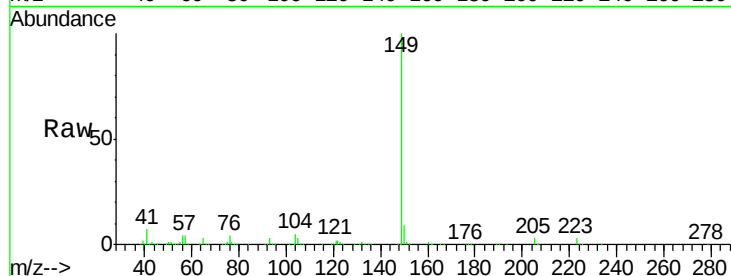
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 745289 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.3   | 7.0   | 10.4   |
| 104       | 4.5   | 3.3   | 4.9    |

Manual Integrations  
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#74

Fluoranthene

Concen: 42.81 ng

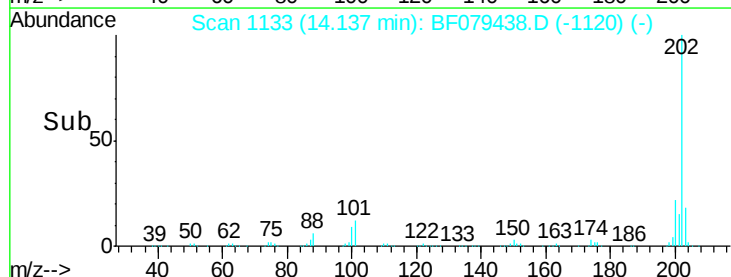
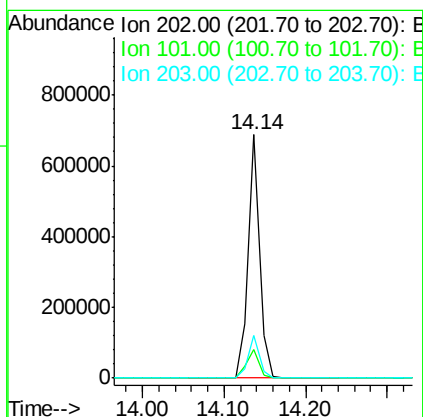
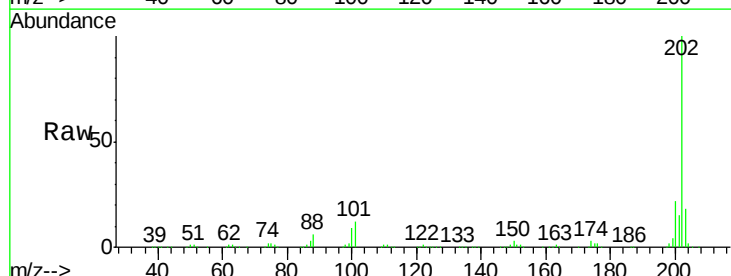
RT: 14.14 min Scan# 1133

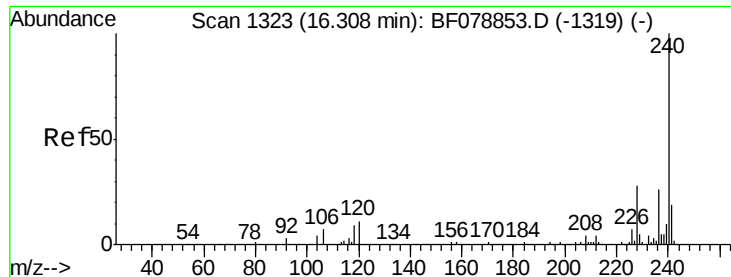
Delta R.T. 0.00 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 666910 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.8  | 0.0   | 34.7   |
| 203       | 17.7  | 0.0   | 37.9   |





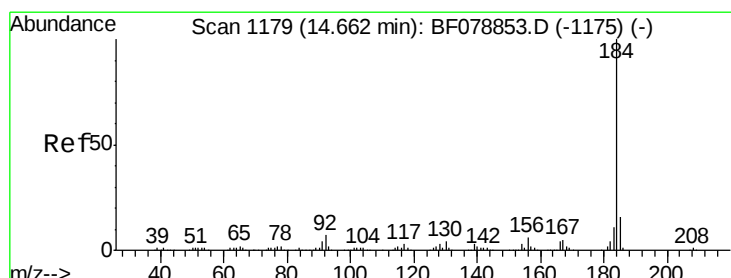
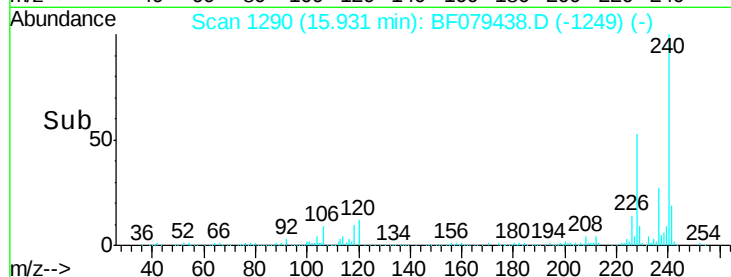
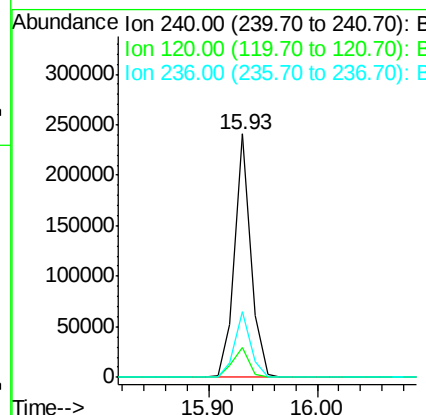
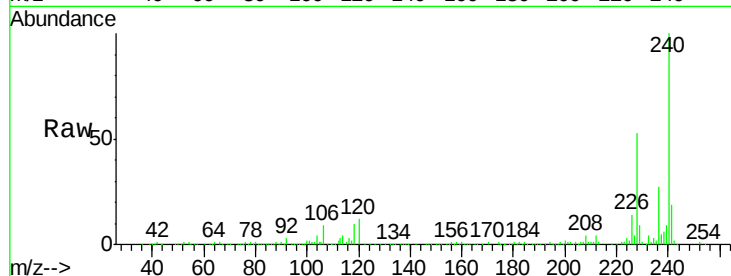
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.93 min Scan# 1290  
Delta R.T. -0.03 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.3  | 8.6   | 12.8  |
| 236     | 26.7  | 21.0  | 31.6  |

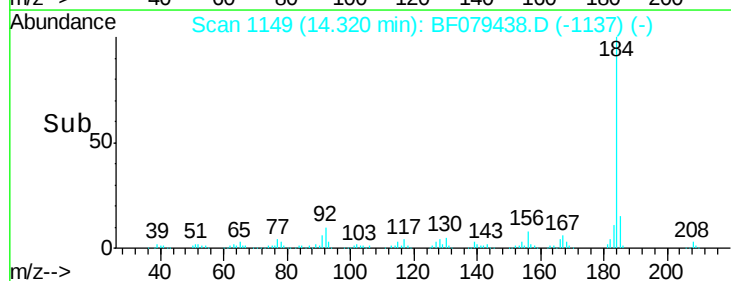
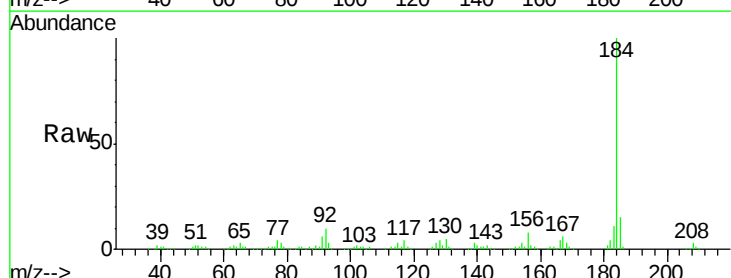
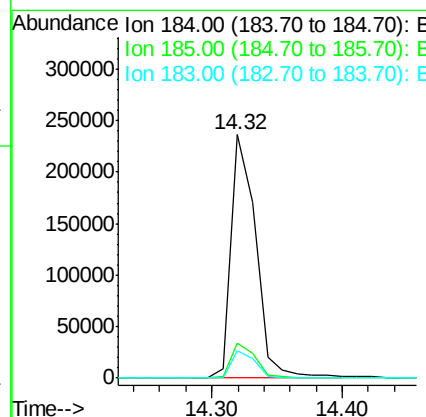
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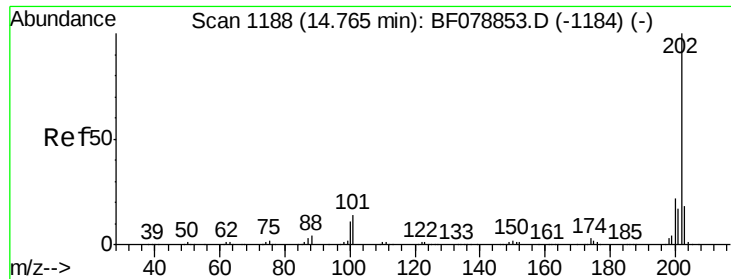
apatel  
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#76  
Benzidine  
Concen: 46.76 ng  
RT: 14.32 min Scan# 1149  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.6  | 12.8  | 19.2  |
| 183     | 11.3  | 9.0   | 13.4  |





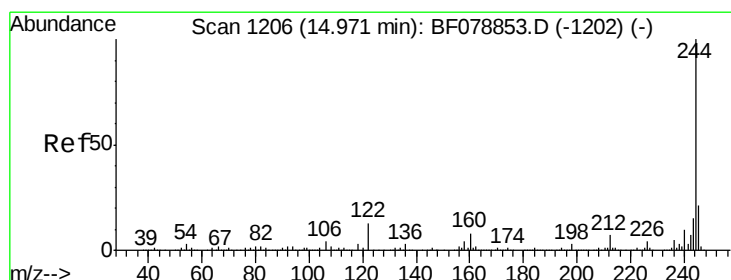
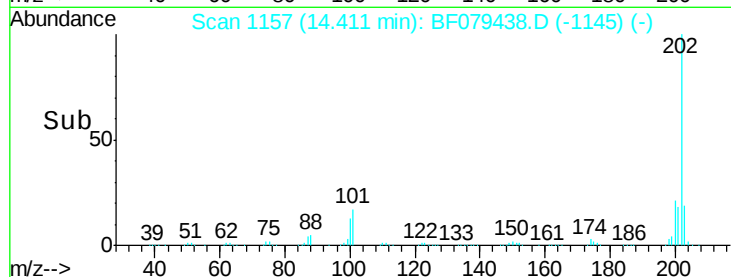
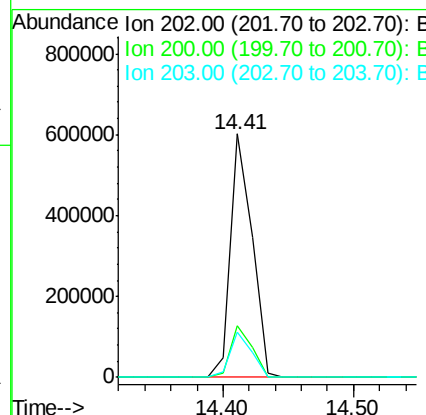
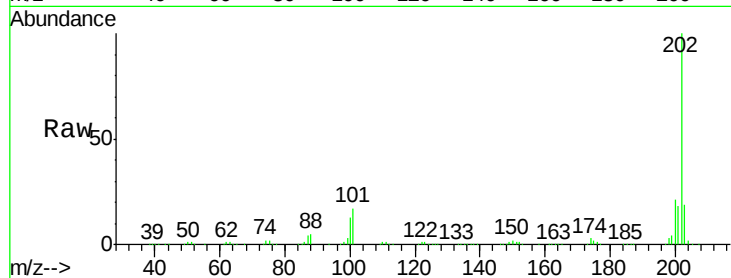
#77  
Pvrene  
Concen: 48.64 ng  
RT: 14.41 min Scan# 1157  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.5  | 26.3  |
| 203     | 18.5  | 14.7  | 22.1  |

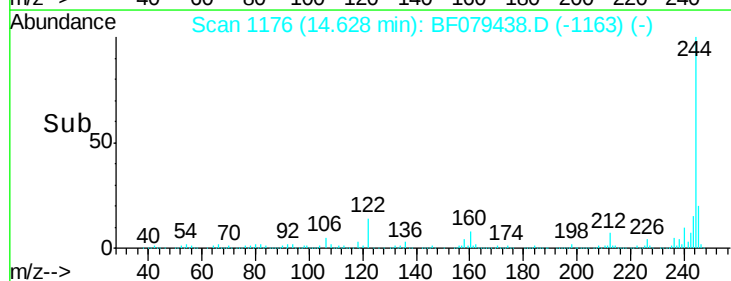
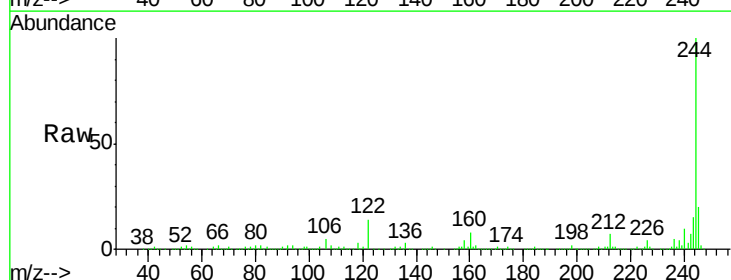
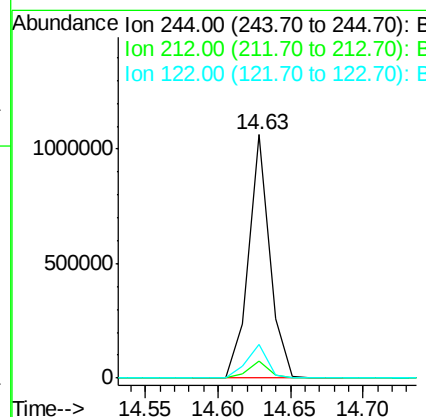
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#78  
Terphenyl-d14  
Concen: 104.29 ng  
RT: 14.63 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.6   | 8.4   |
| 122     | 13.9  | 10.5  | 15.7  |





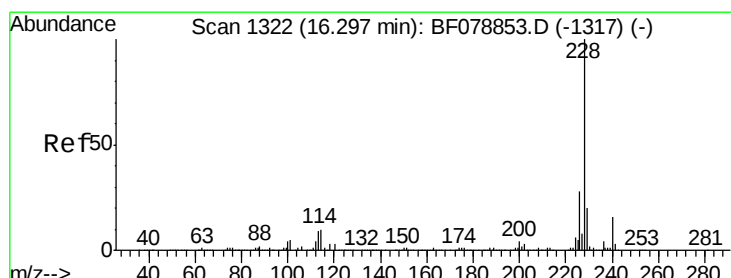
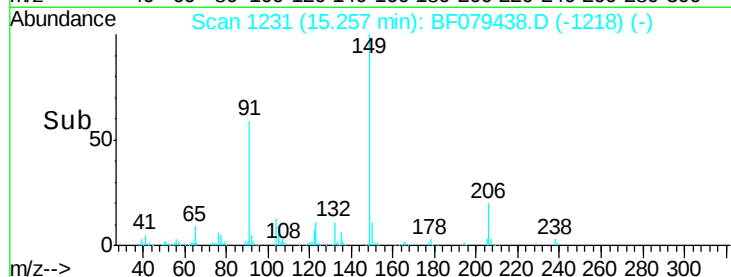
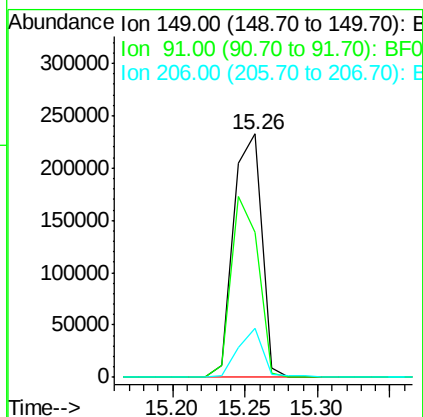
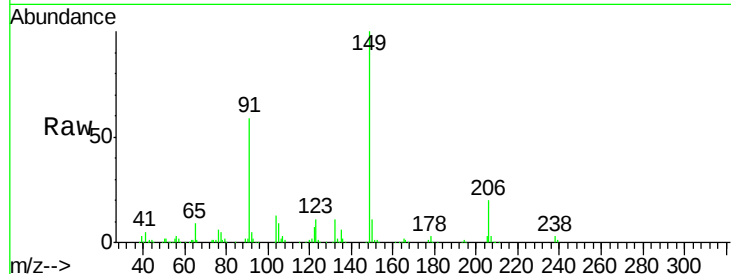
#79  
Butylbenzylphthalate  
Concen: 50.46 ng  
RT: 15.26 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 314363 |       |       |
| 91      | 59.4  | 56.2   | 84.2  |       |
| 206     | 20.3  | 15.2   | 22.8  |       |

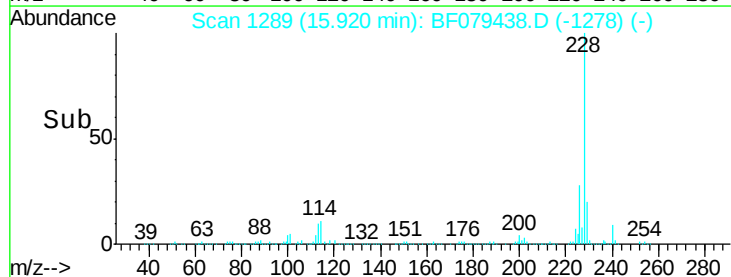
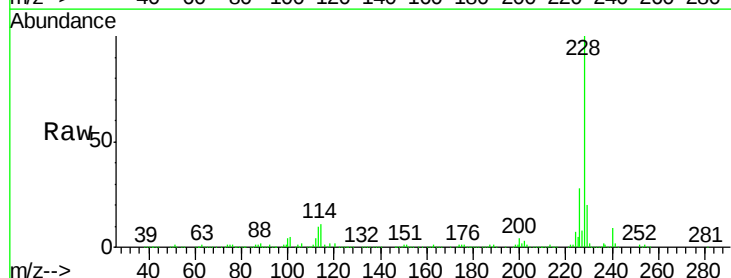
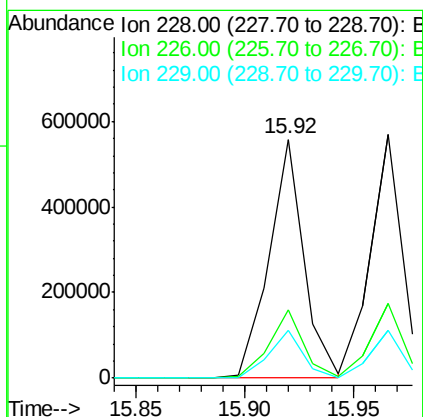
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#80  
Benzo(a)anthracene  
Concen: 46.07 ng  
RT: 15.92 min Scan# 1289  
Delta R.T. -0.03 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 624051 |       |       |
| 226     | 28.5  | 22.3   | 33.5  |       |
| 229     | 19.8  | 16.1   | 24.1  |       |





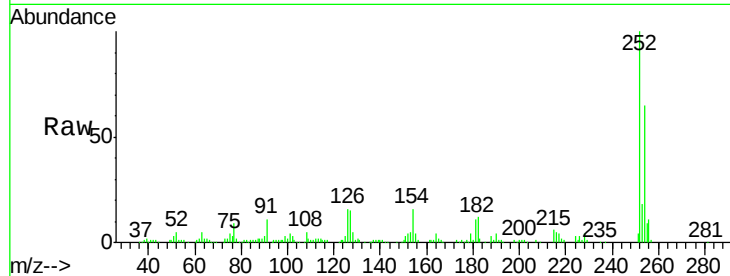
#81  
 3,3'-Dichlorobenzidine  
 Concen: 35.13 ng  
 RT: 15.90 min Scan# 1287  
 Delta R.T. -0.03 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

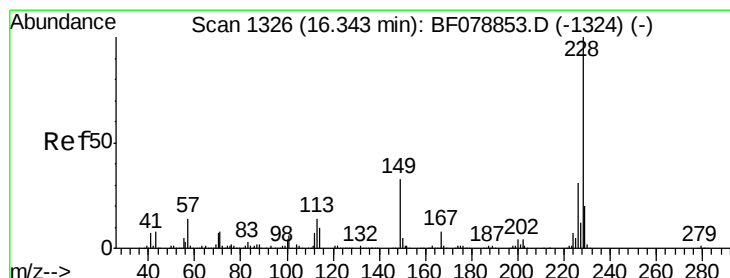
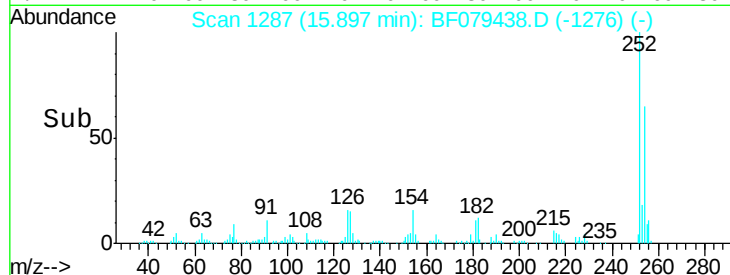
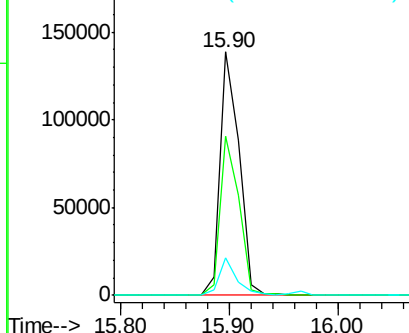
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 169466 |       |       |
| 254     | 65.2  | 52.2   | 78.2  |       |
| 126     | 15.5  | 6.6    | 9.8   |       |

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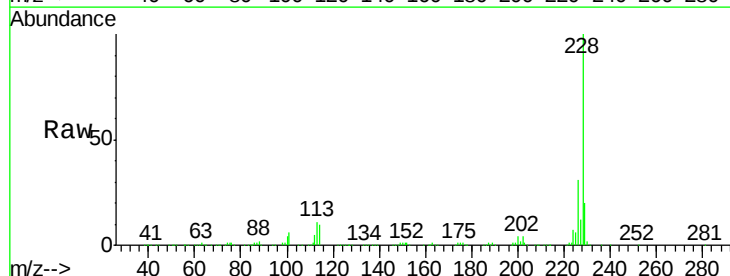


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

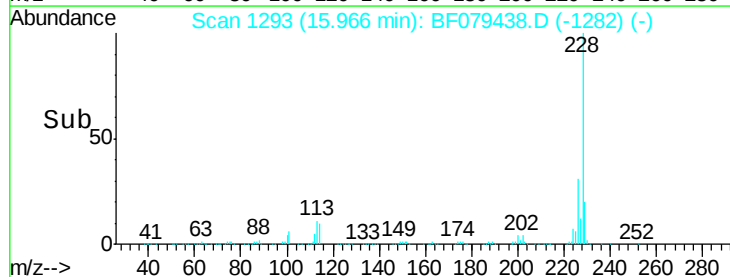
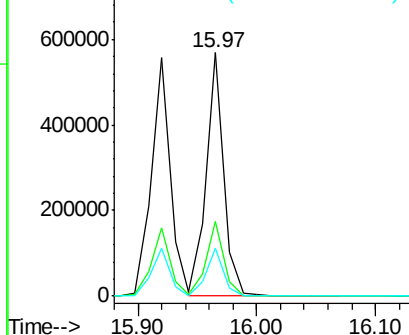


#82  
 Chrysene  
 Concen: 44.95 ng  
 RT: 15.97 min Scan# 1293  
 Delta R.T. -0.03 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 585582 |       |       |
| 226     | 30.6  | 24.8   | 37.2  |       |
| 229     | 19.7  | 16.1   | 24.1  |       |



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 49.40 ng

RT: 15.99 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

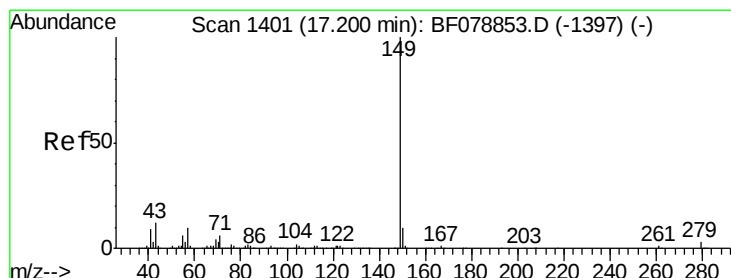
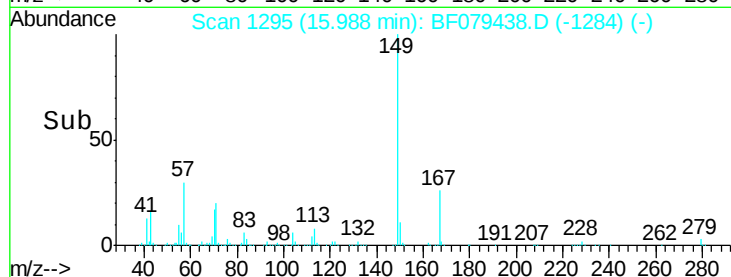
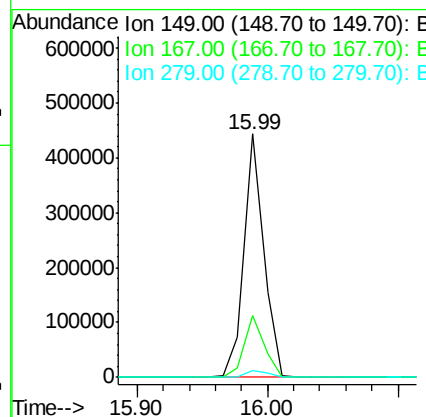
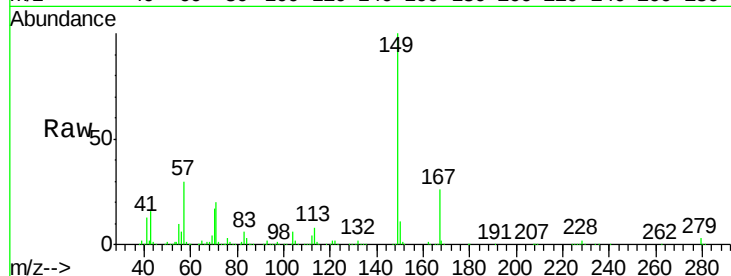
ClientSampleId :

PB83558BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 466197 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 25.6 | 21.2  | 31.8   |
| 279       | 2.6  | 2.6   | 4.0#   |

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#84

Di-n-octyl phthalate

Concen: 46.41 ng

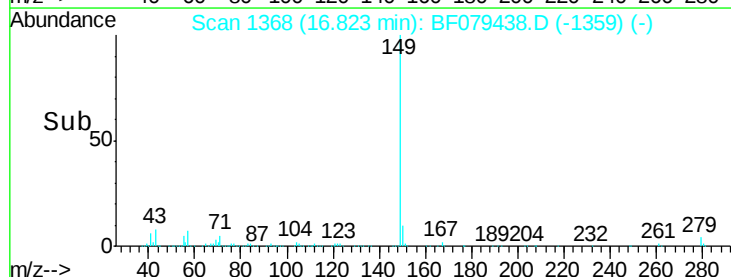
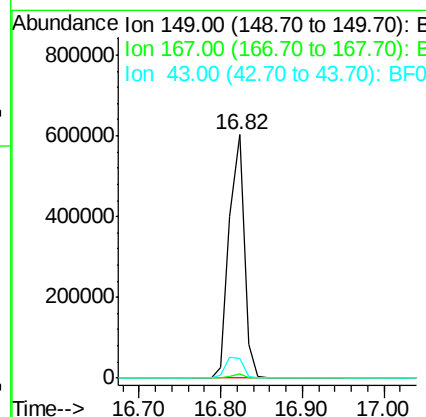
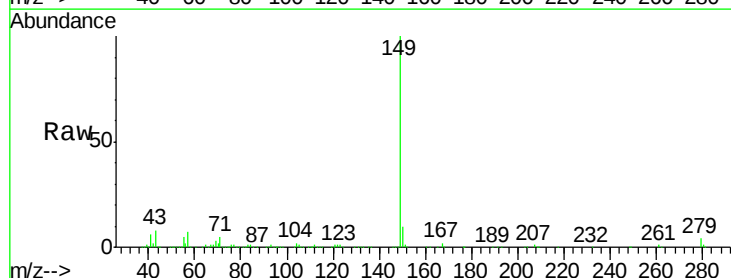
RT: 16.82 min Scan# 1368

Delta R.T. -0.07 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 149 | Resp: | 771398 |
| Ion Ratio |     | Lower | Upper  |
| 149       | 100 |       |        |
| 167       | 1.5 | 1.2   | 1.8    |
| 43        | 9.6 | 9.0   | 13.6   |





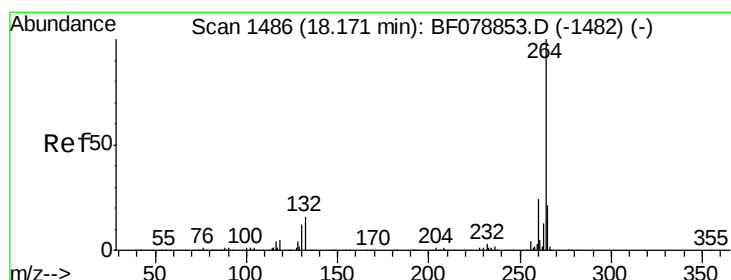
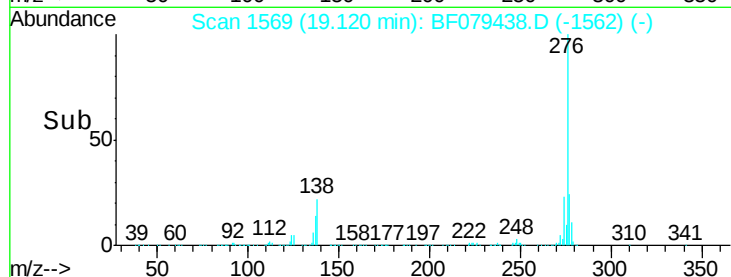
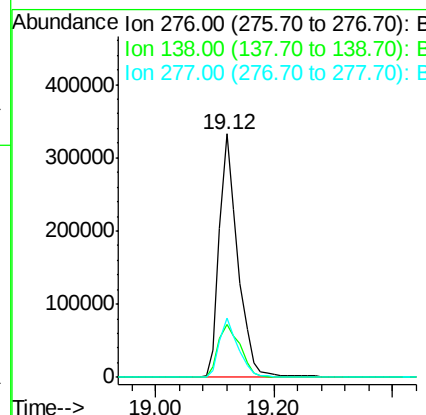
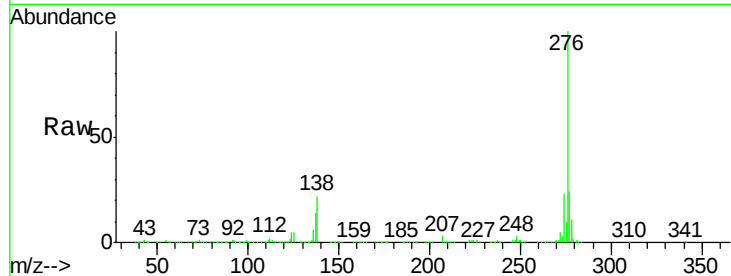
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.51 ng  
 RT: 19.12 min Scan# 1569  
 Delta R.T. -0.13 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 722128 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 26.4  | 21.1  | 31.7   |
| 277       | 24.8  | 19.9  | 29.9   |

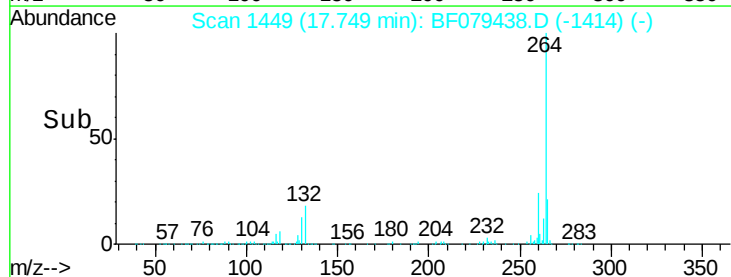
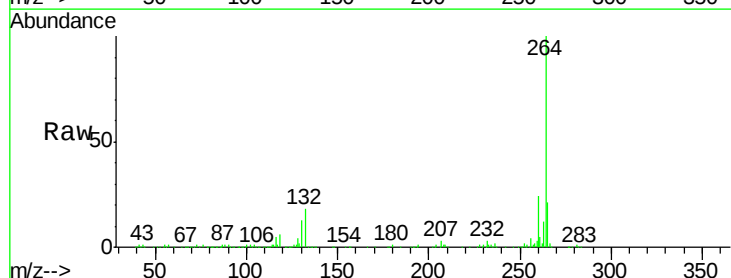
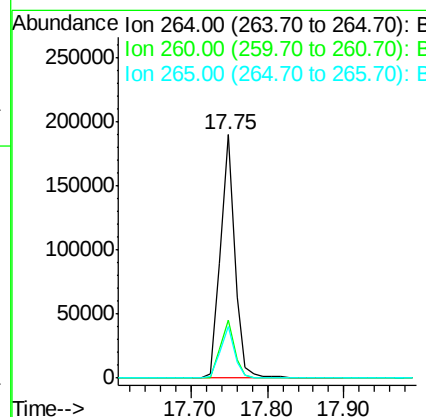
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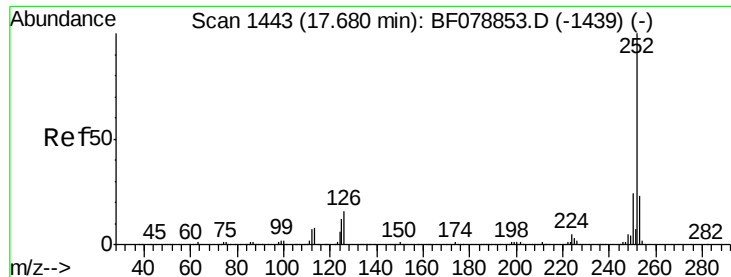
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.75 min Scan# 1449  
 Delta R.T. -0.10 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 248760 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.8  | 19.2  | 28.8   |
| 265       | 21.4  | 17.2  | 25.8   |





#87

Benzo(b)fluoranthene

Concen: 45.58 ng

RT: 17.28 min Scan# 1408

Delta R.T. -0.08 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

Instrument :

BNA\_F

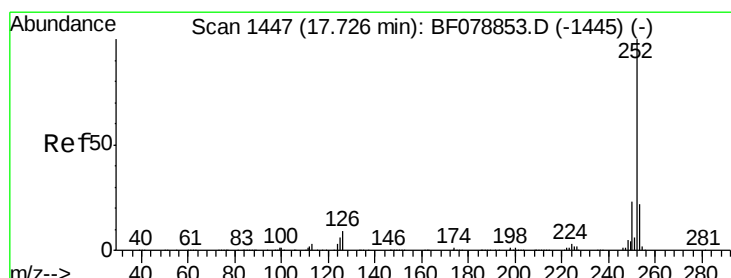
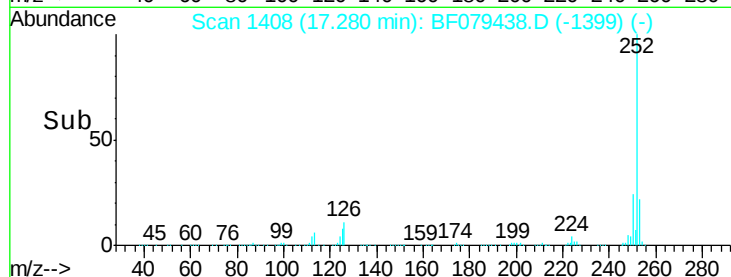
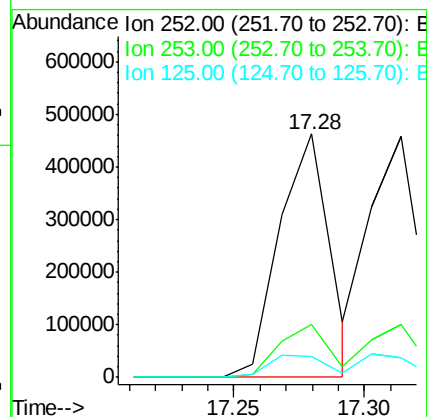
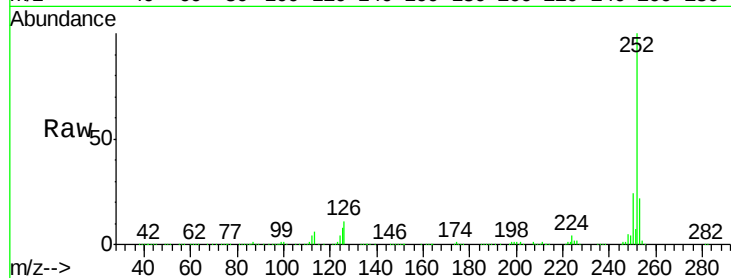
ClientSampleId :

PB83558BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 620638 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 18.1  | 27.1   |
| 125       | 8.4   | 9.4   | 14.2   |

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#88

Benzo(k)fluoranthene

Concen: 46.62 ng m

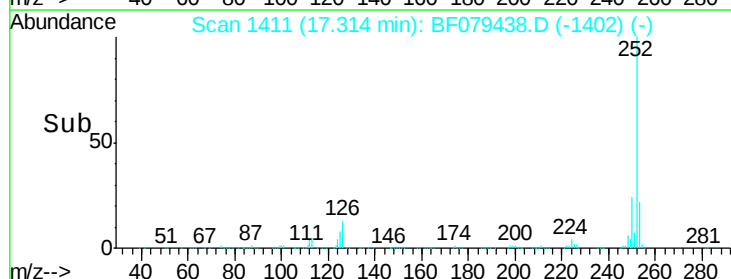
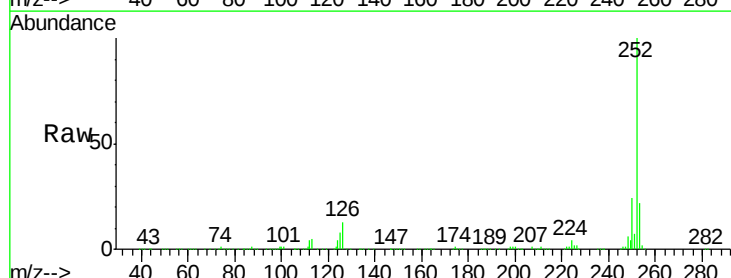
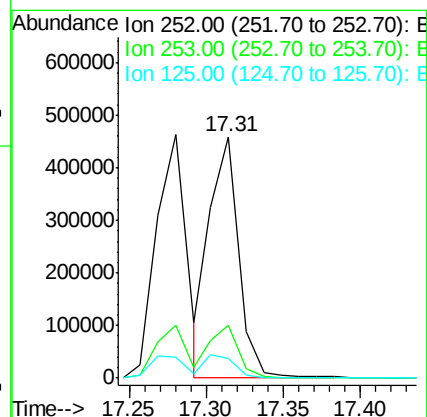
RT: 17.31 min Scan# 1411

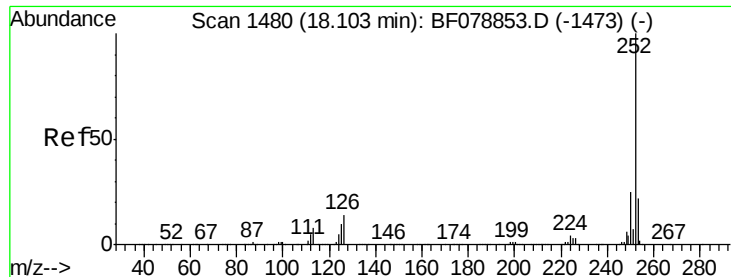
Delta R.T. -0.08 min

Lab File: BF079438.D

Acq: 22 May 2015 17:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 614526 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 17.4  | 26.0   |
| 125       | 8.4   | 6.1   | 9.1    |





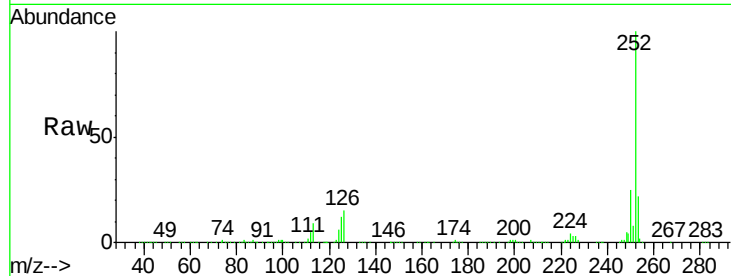
#89  
Benzo(a)pyrene  
Concen: 47.75 ng  
RT: 17.68 min Scan# 1443  
Delta R.T. -0.09 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB83558BS

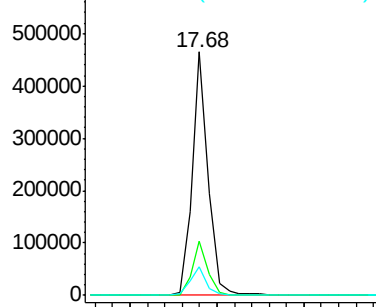
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 598596 |       |       |
| 253     | 22.3  | 18.0   | 27.0  |       |
| 125     | 11.7  | 8.2    | 12.2  |       |

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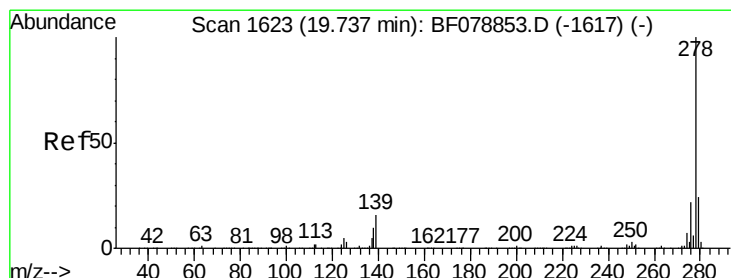
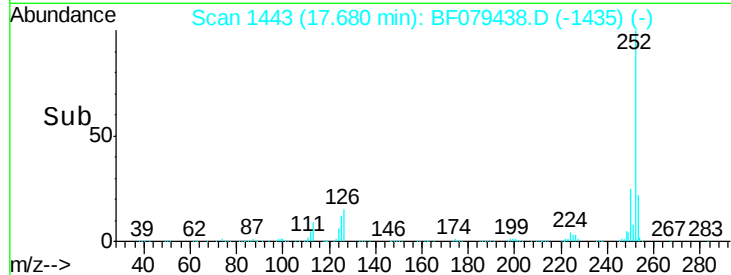
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



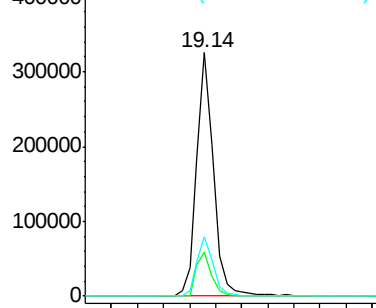
Time-->



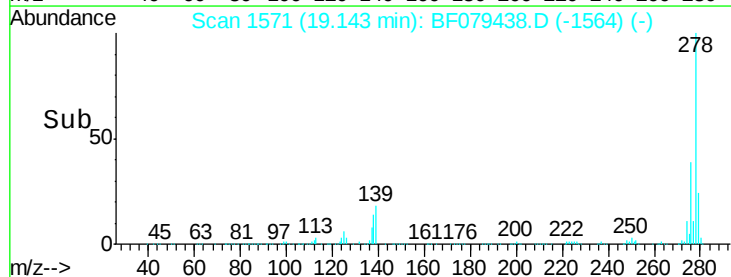
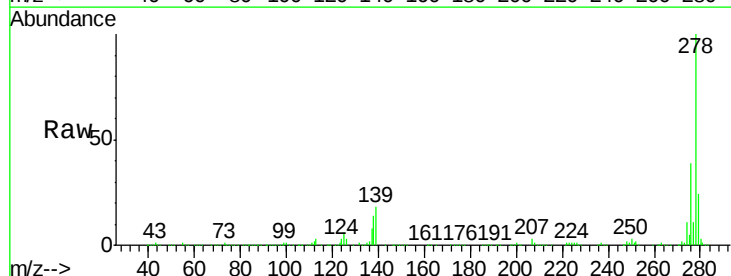
#90  
Dibenzo(a,h)anthracene  
Concen: 44.17 ng  
RT: 19.14 min Scan# 1571  
Delta R.T. -0.13 min  
Lab File: BF079438.D  
Acq: 22 May 2015 17:37

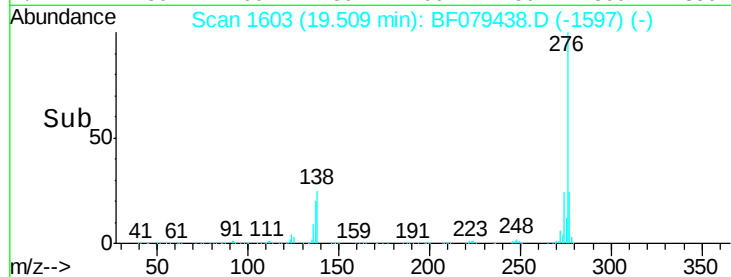
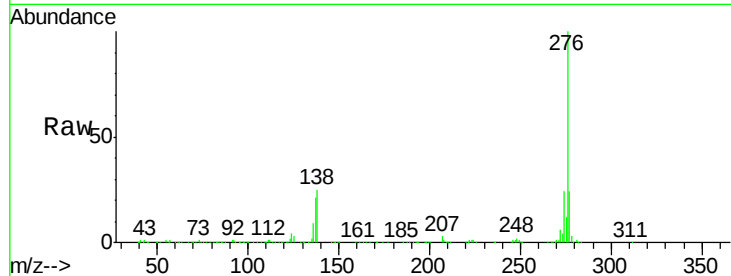
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 588580 |       |       |
| 139     | 17.8  | 13.1   | 19.7  |       |
| 279     | 24.2  | 19.1   | 28.7  |       |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



Time-->





#91  
 Benzo(a,h,i)perylene  
 Concen: 45.16 ng  
 RT: 19.51 min Scan# 1603  
 Delta R.T. -0.14 min  
 Lab File: BF079438.D  
 Acq: 22 May 2015 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83558BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 23.9  | 18.8       | 28.2  |
| 138     | 24.9  | 15.2       | 22.8  |

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