

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
 Data File : BF079072.D  
 Acq On : 9 May 2015 9:29  
 Operator : TP/IZ  
 Sample : G2151-01MSD  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

Manual Integrations  
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apatel  
 5/12/2015 3:44:55 PM

Quant Time: May 11 01:34:51 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 00:37:37 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.32  | 152  | 71008    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.90  | 136  | 293115   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 11.07 | 164  | 148776   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.91 | 188  | 274195   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.22 | 240  | 262085   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 17.97 | 264  | 260103   | 20.00 | ng    | 0.03     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.63  | 112 | 636109  | 154.20 | ng | 0.01 |
| 7) Phenol-d6             | 6.89  | 99  | 836439  | 153.40 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 8.01  | 82  | 462212  | 90.63  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.06 | 330 | 239000  | 148.50 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 10.24 | 172 | 912253  | 85.43  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.91 | 244 | 1013364 | 92.57  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.30 | 88  | 71902  | 40.09 | ng | # 27   |
| 3) Pyridine                    | 3.15 | 79  | 205091 | 39.07 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.96 | 42  | 94756m | 42.13 | ng |        |
| 6) Aniline                     | 6.91 | 93  | 166719 | 21.66 | ng | # 13   |
| 8) 2-Chlorophenol              | 7.05 | 128 | 229261 | 49.00 | ng | 92     |
| 9) Benzaldehyde                | 6.76 | 77  | 145648 | 39.65 | ng | 90     |
| 10) Phenol                     | 6.91 | 94  | 325341 | 51.43 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 7.00 | 93  | 217374 | 46.88 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.24 | 146 | 242216 | 46.06 | ng | # 94   |
| 13) 1,4-Dichlorobenzene        | 7.35 | 146 | 243457 | 44.99 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 7.53 | 146 | 228837 | 45.42 | ng | 96     |
| 15) Benzyl Alcohol             | 7.51 | 79  | 195781 | 48.37 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.68 | 45  | 335354 | 47.27 | ng | 99     |
| 17) 2-Methylphenol             | 7.66 | 107 | 188482 | 50.06 | ng | 96     |
| 18) Hexachloroethane           | 7.94 | 117 | 85085  | 45.64 | ng | 89     |
| 19) n-Nitroso-di-n-propylamine | 7.84 | 70  | 174151 | 47.29 | ng | # 82   |
| 20) 3+4-Methylphenols          | 7.84 | 107 | 256403 | 51.11 | ng | # 46   |
| 22) Acetophenone               | 7.83 | 105 | 343084 | 51.81 | ng | # 93   |
| 24) Nitrobenzene               | 8.03 | 77  | 235887 | 46.66 | ng | 97     |
| 25) Isophorone                 | 8.33 | 82  | 441709 | 46.72 | ng | 99     |
| 26) 2-Nitrophenol              | 8.43 | 139 | 116650 | 55.75 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 8.49 | 122 | 218907 | 52.28 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.62 | 93  | 279550 | 47.96 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.73 | 162 | 201401 | 54.09 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.83 | 180 | 192970 | 47.18 | ng | 98     |
| 31) Naphthalene                | 8.92 | 128 | 689603 | 49.37 | ng | 99     |
| 32) Benzoic acid               | 8.60 | 122 | 135247 | 51.10 | ng | 98     |
| 33) 4-Chloroaniline            | 8.99 | 127 | 92657  | 15.68 | ng | 99     |
| 34) Hexachlorobutadiene        | 9.07 | 225 | 102937 | 43.70 | ng | 97     |
| 35) Caprolactam                | 9.43 | 113 | 61376  | 50.98 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 9.60 | 107 | 206205 | 52.73 | ng | 97     |
| 37) 2-Methylnaphthalene        | 9.78 | 142 | 469615 | 48.52 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.99 | 216 | 186403 | 44.49 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.98 | 237 | 168350 | 79.90 | ng | 98     |

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Instrument :  
 BNA\_F  
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 TU012-SB-16-3.5MSD

Manual Integrations  
 APPROVED

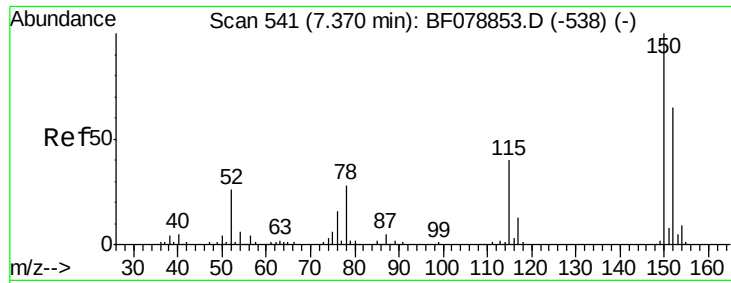
apatel  
 5/12/2015 3:44:55 PM

Quant Time: May 11 01:34:51 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 00:37:37 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 10.14 | 196  | 139230   | 48.33  | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 10.18 | 196  | 144632   | 49.66  | nq #  | 87       |
| 45) 1,1'-Biphenyl              | 10.37 | 154  | 558055   | 47.18  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 10.39 | 162  | 433090   | 46.94  | nq    | 96       |
| 47) 2-Nitroaniline             | 10.51 | 65   | 129190   | 48.33  | nq    | 95       |
| 48) Acenaphthylene             | 10.90 | 152  | 705269   | 46.56  | nq    | 99       |
| 49) Dimethylphthalate          | 10.75 | 163  | 571571   | 52.35  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.82 | 165  | 103944   | 48.24  | nq    | 96       |
| 51) Acenaphthene               | 11.12 | 154  | 408710   | 45.25  | nq    | 97       |
| 52) 3-Nitroaniline             | 11.03 | 138  | 60986    | 22.66  | nq #  | 96       |
| 53) 2,4-Dinitrophenol          | 11.17 | 184  | 84183    | 86.79  | nq #  | 76       |
| 54) Dibenzofuran               | 11.33 | 168  | 618556   | 47.41  | nq    | 96       |
| 55) 4-Nitrophenol              | 11.25 | 139  | 220022   | 103.27 | nq    | 95       |
| 56) 2,4-Dinitrotoluene         | 11.33 | 165  | 148912   | 52.27  | nq #  | 73       |
| 57) Fluorene                   | 11.76 | 166  | 504242   | 47.08  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.49 | 232  | 115588   | 48.57  | nq #  | 100      |
| 59) Diethylphthalate           | 11.63 | 149  | 511239   | 47.26  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 11.76 | 204  | 219486   | 46.20  | nq    | 91       |
| 61) 4-Nitroaniline             | 11.78 | 138  | 111590   | 41.44  | nq    | 94       |
| 62) Azobenzene                 | 11.95 | 77   | 520627   | 48.84  | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 11.83 | 198  | 59281    | 50.68  | nq #  | 61       |
| 65) n-Nitrosodiphenylamine     | 11.91 | 169  | 428688   | 46.95  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.37 | 248  | 134926   | 47.21  | nq #  | 87       |
| 67) Hexachlorobenzene          | 12.43 | 284  | 159768   | 48.91  | nq #  | 82       |
| 68) Atrazine                   | 12.58 | 200  | 133532   | 50.29  | nq    | 97       |
| 69) Pentachlorophenol          | 12.69 | 266  | 159788   | 83.30  | nq    | 98       |
| 70) Phenanthrene               | 12.95 | 178  | 716945   | 46.74  | nq    | 99       |
| 71) Anthracene                 | 13.02 | 178  | 746156   | 49.58  | nq    | 99       |
| 72) Carbazole                  | 13.22 | 167  | 709446   | 49.46  | nq    | 98       |
| 73) Di-n-butylphthalate        | 13.67 | 149  | 858783   | 49.93  | nq #  | 97       |
| 74) Fluoranthene               | 14.42 | 202  | 765363   | 47.88  | nq    | 99       |
| 76) Benzidine                  | 14.61 | 184  | 252093   | 35.69  | nq    | 99       |
| 77) Pyrene                     | 14.71 | 202  | 786106   | 52.05  | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.53 | 149  | 366156   | 55.46  | nq    | 91       |
| 80) Benzo(a)anthracene         | 16.21 | 228  | 714411   | 49.78  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.18 | 252  | 209027   | 40.89  | nq    | 99       |
| 82) Chrysene                   | 16.25 | 228  | 647143   | 46.88  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 16.25 | 149  | 524719   | 52.48  | nq #  | 99       |
| 84) Di-n-octyl phthalate       | 17.05 | 149  | 927756   | 52.68  | nq #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.45 | 276  | 816846   | 46.44  | nq #  | 100      |
| 87) Benzo(b)fluoranthene       | 17.51 | 252  | 759625   | 53.36  | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 17.54 | 252  | 603940   | 43.82  | nq    | 99       |
| 89) Benzo(a)pyrene             | 17.90 | 252  | 661244   | 50.44  | nq #  | 97       |
| 90) Dibenzo(a,h)anthracene     | 19.47 | 278  | 651719   | 46.78  | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.90 | 276  | 661458   | 47.37  | nq    | 99       |

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





#1

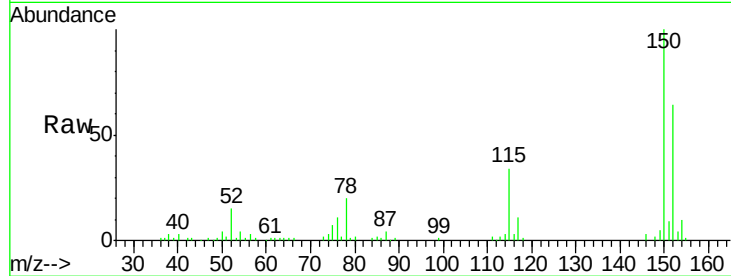
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.32 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

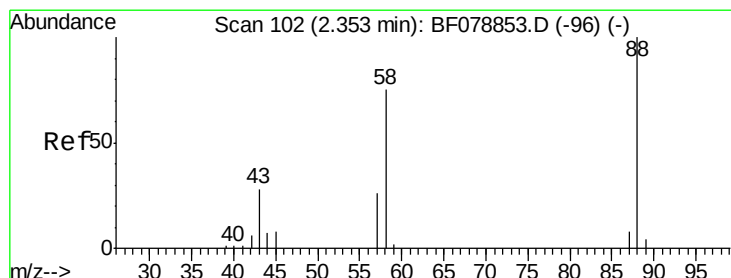
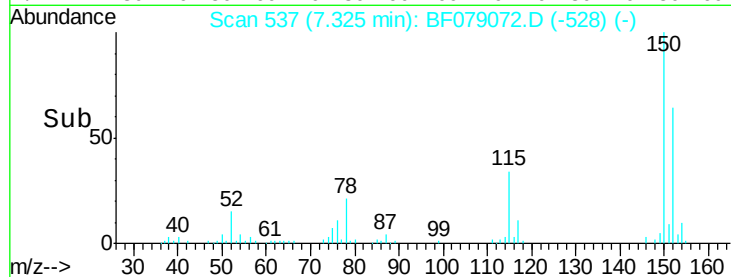
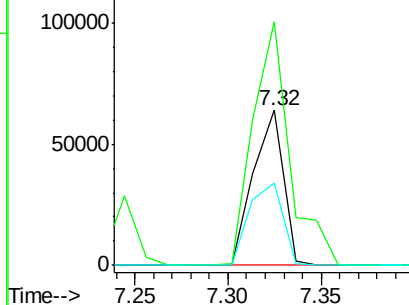
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 122.0 | 183.0 |
| 115     | 53.0  | 46.3  | 69.5  |

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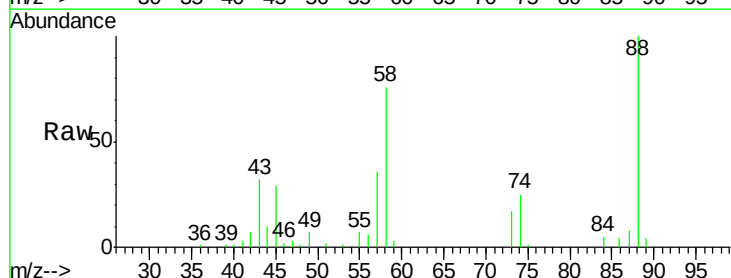
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



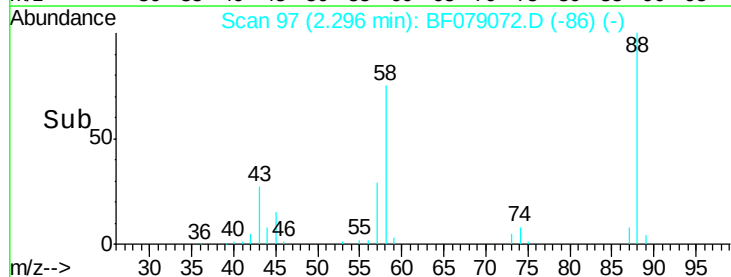
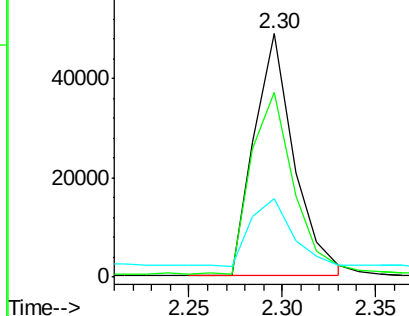
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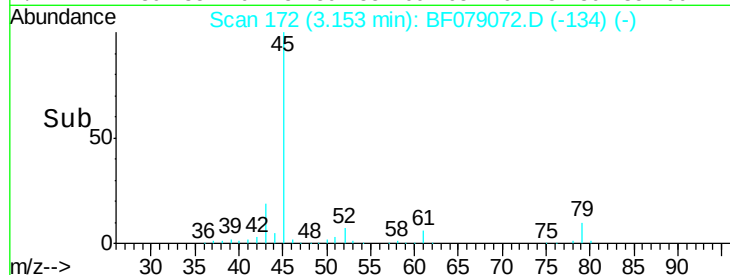
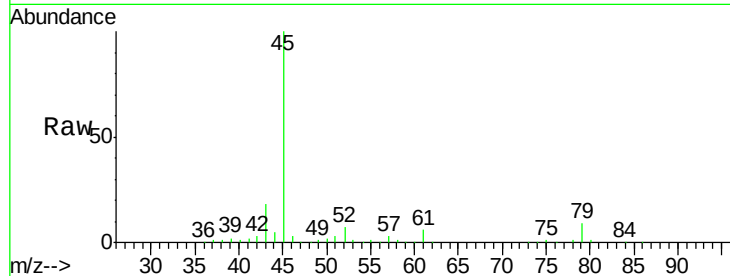
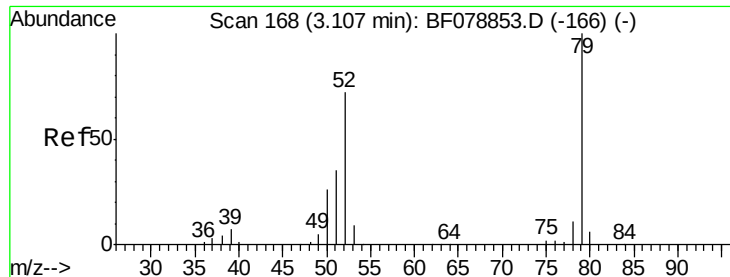
1,4-Dioxane  
Concen: 40.09 ng  
RT: 2.30 min Scan# 97  
Delta R.T. 0.02 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 80.5  | 0.0   | 0.0#  |
| 43      | 28.2  | 3.3   | 4.9#  |



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





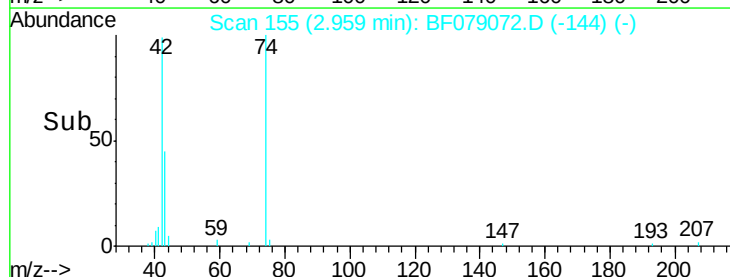
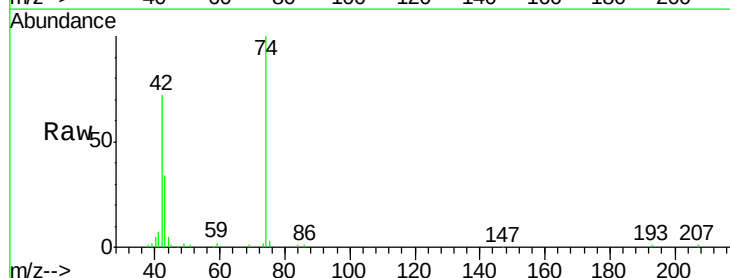
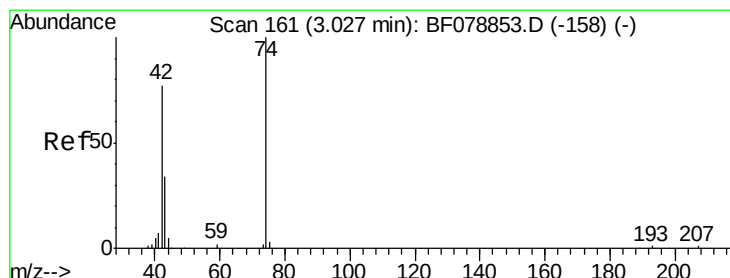
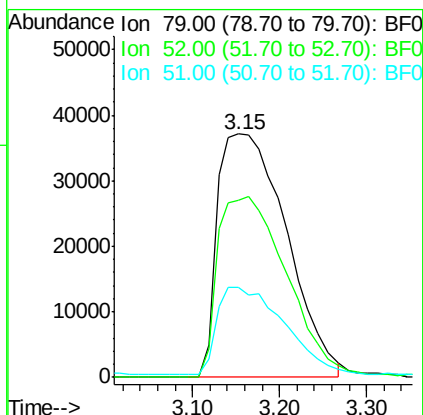
#3  
Pvridine  
Concen: 39.07 ng  
RT: 3.15 min Scan# 172  
Delta R.T. 0.14 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 205091 |       |       |
| 52      | 72.9  |        | 57.2  | 85.8  |
| 51      | 36.7  |        | 28.9  | 43.3  |

Instrument :  
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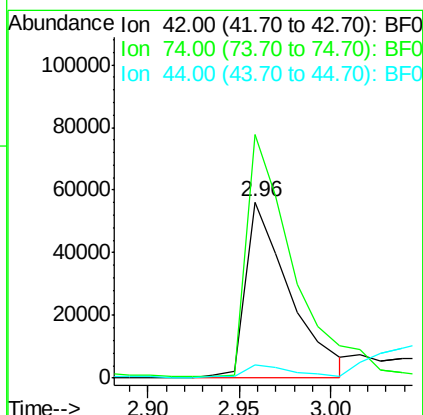
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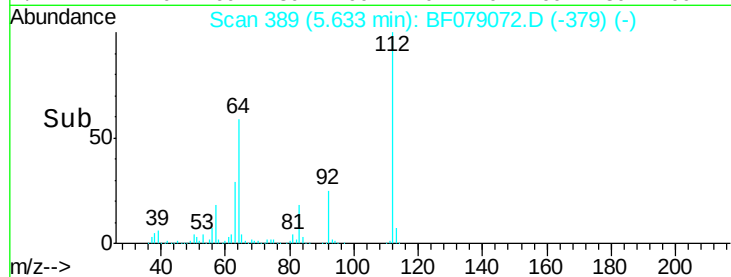
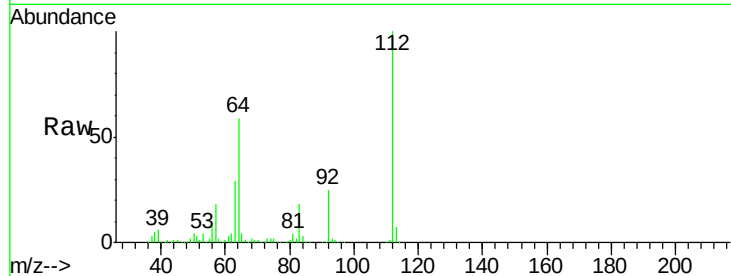
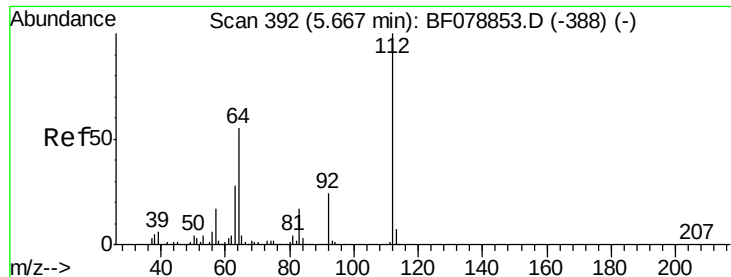
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#4  
n-Nitrosodimethylamine  
Concen: 42.13 ng m  
RT: 2.96 min Scan# 155  
Delta R.T. 0.02 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 42      | 100   | 94756 |       |       |
| 74      | 138.2 |       | 96.5  | 144.7 |
| 44      | 7.4   |       | 6.1   | 9.1   |





#5

2-Fluorophenol

Concen: 154.20 ng

RT: 5.63 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF079072.D

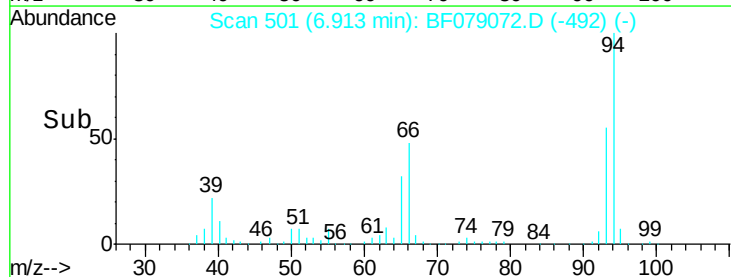
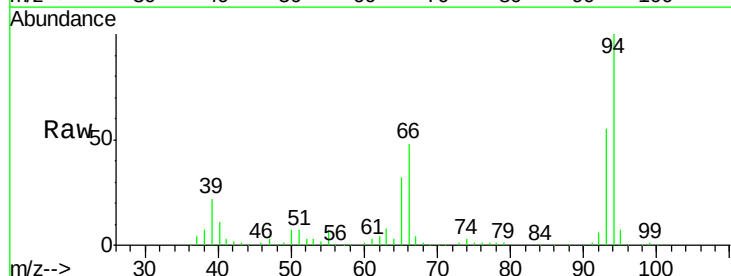
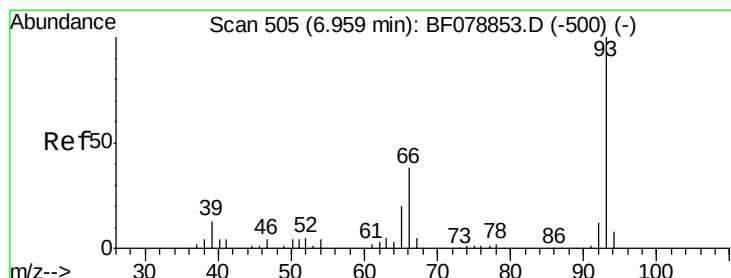
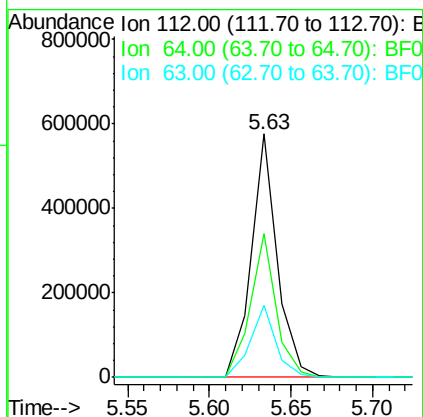
Acq: 9 May 2015 9:29

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 636109 |       |       |
| 64      | 58.9  | 53.5   | 80.3  |       |
| 63      | 29.4  | 27.5   | 41.3  |       |

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#6

Aniline

Concen: 21.66 ng

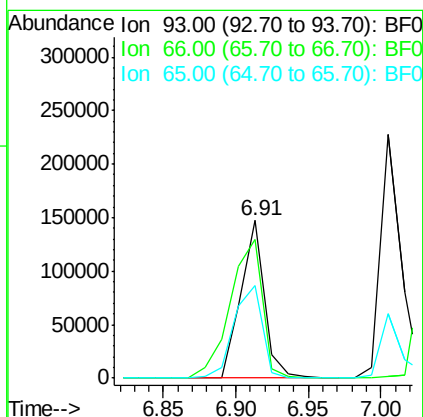
RT: 6.91 min Scan# 501

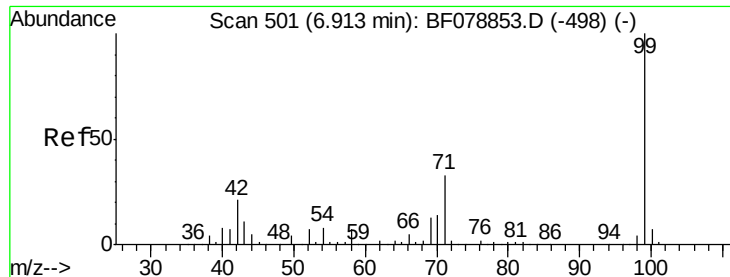
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 166719 |       |       |
| 66      | 88.3  | 29.7   | 44.5# |       |
| 65      | 58.6  | 14.6   | 22.0# |       |





#7

Phenol-d6

Concen: 153.40 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.01 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

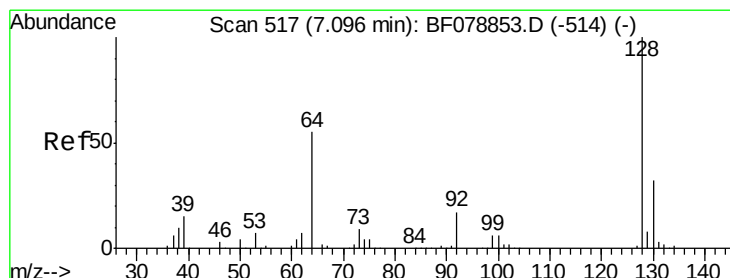
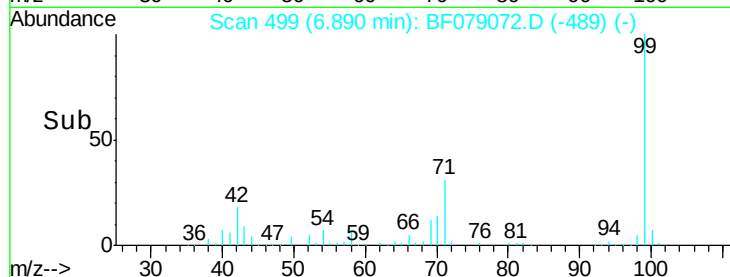
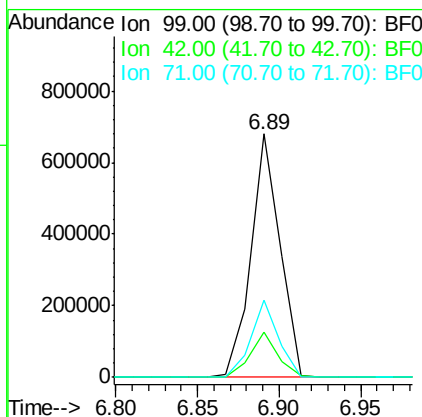
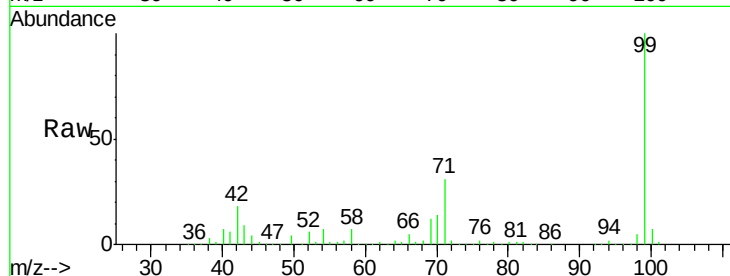
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 836439 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.4  | 12.8  | 19.2   |
| 71        | 31.5  | 23.4  | 35.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 49.00 ng

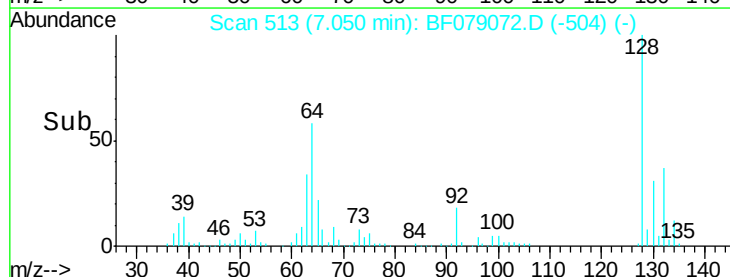
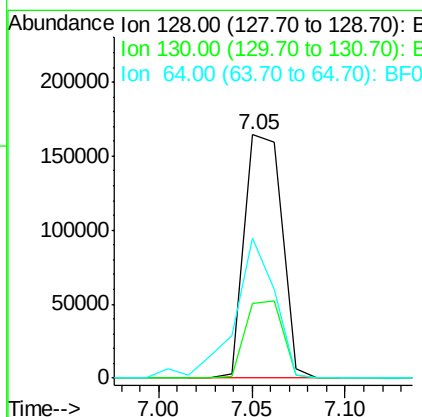
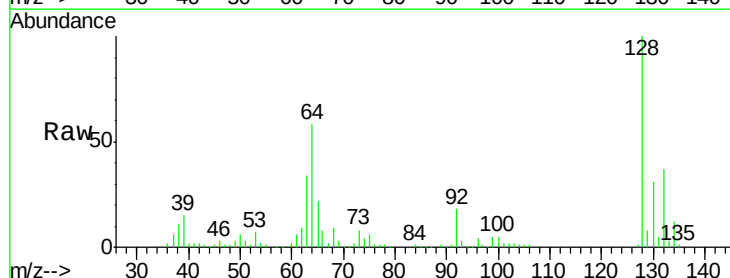
RT: 7.05 min Scan# 513

Delta R.T. 0.00 min

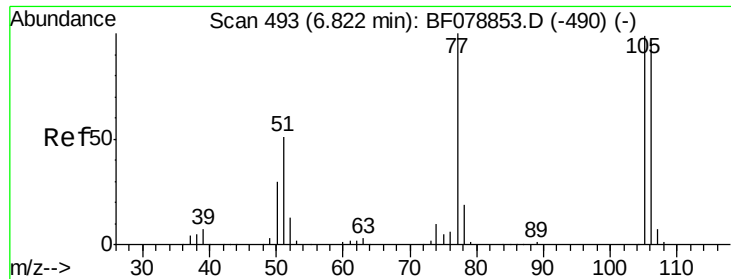
Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 229261 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 30.8  | 12.1  | 52.1   |
| 64        | 57.7  | 29.6  | 69.6   |







#9

Benzaldehyde

Concen: 39.65 ng

RT: 6.76 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

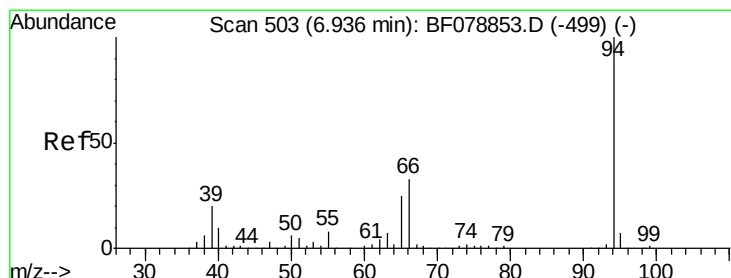
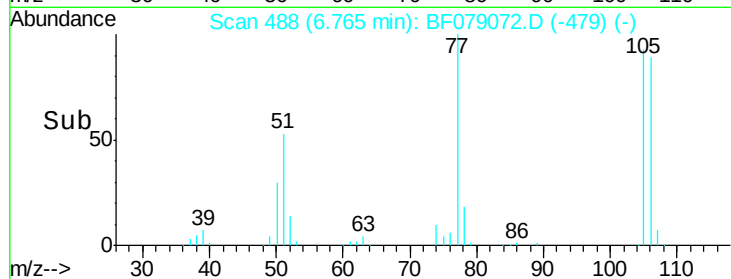
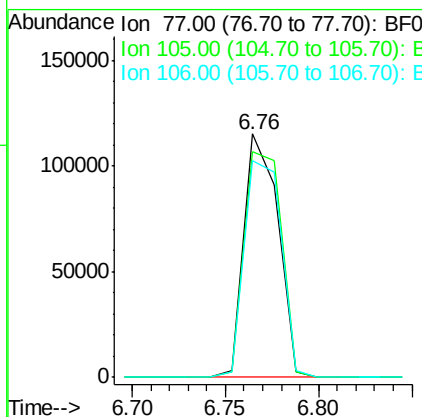
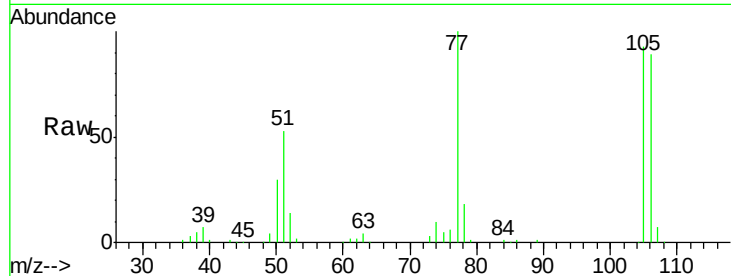
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 145648 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 92.6  | 81.7  | 121.7  |
| 106       | 88.8  | 79.0  | 119.0  |

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#10

Phenol

Concen: 51.43 ng

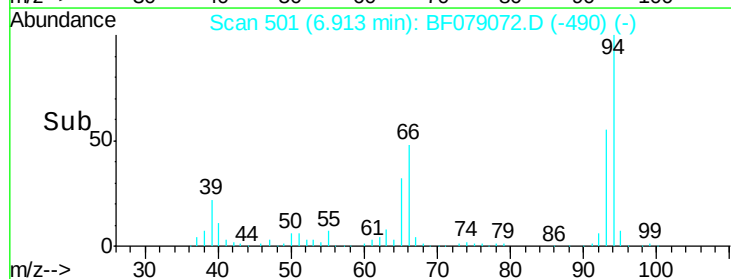
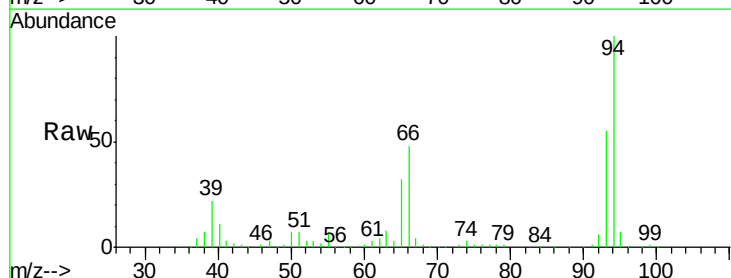
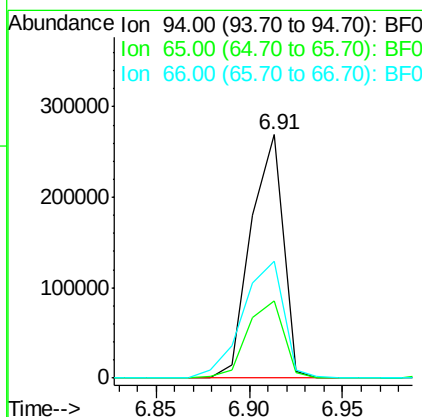
RT: 6.91 min Scan# 501

Delta R.T. 0.02 min

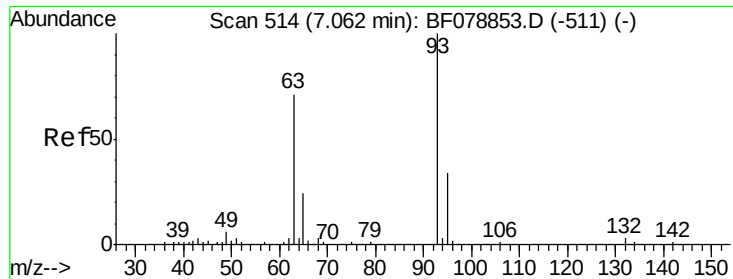
Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 325341 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 32.0  | 8.5   | 48.5   |
| 66        | 48.2  | 16.0  | 56.0   |







#11

bis(2-Chloroethyl)ether

Concen: 46.88 ng

RT: 7.00 min Scan# 509

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

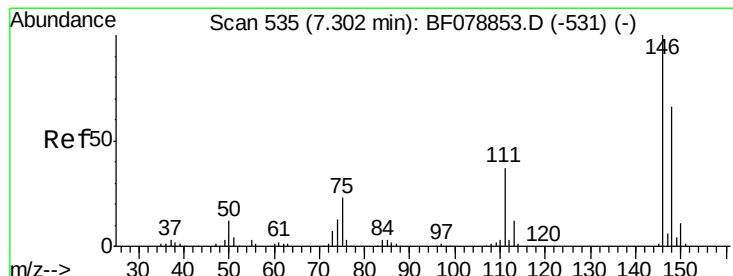
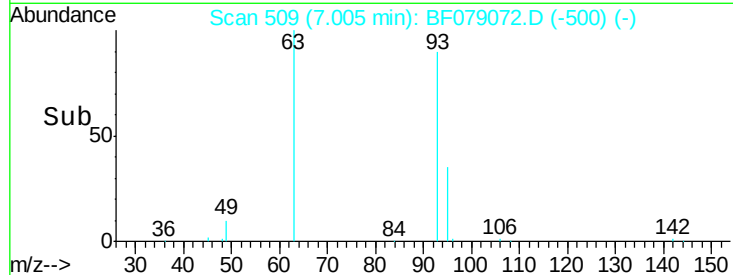
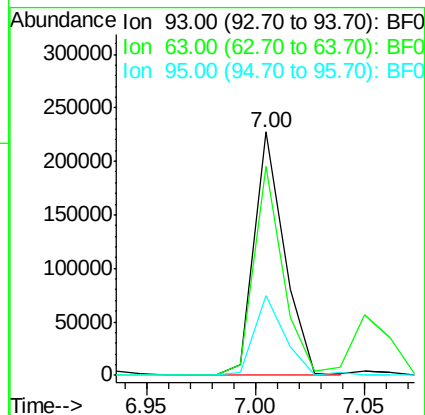
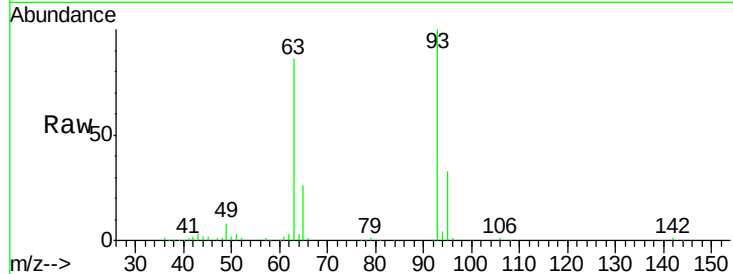
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 217374 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 85.7  | 64.8  | 104.8  |
| 95        | 32.9  | 12.4  | 52.4   |

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#12

1,3-Dichlorobenzene

Concen: 46.06 ng

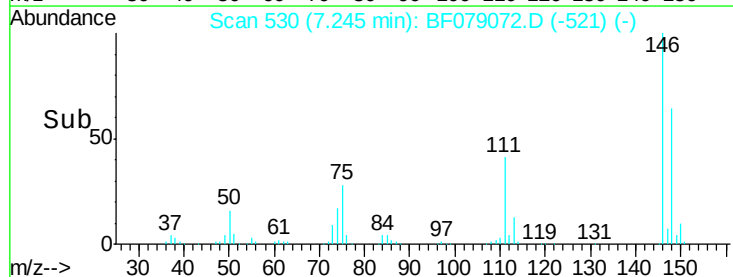
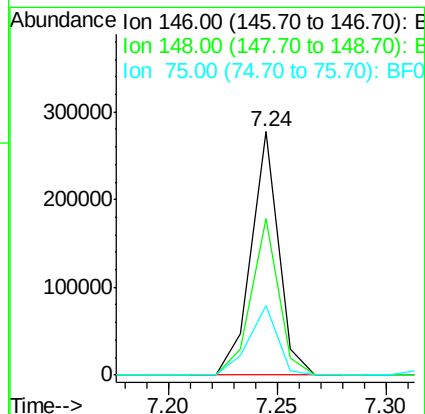
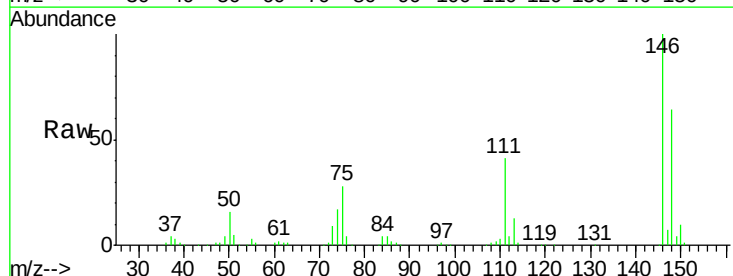
RT: 7.24 min Scan# 530

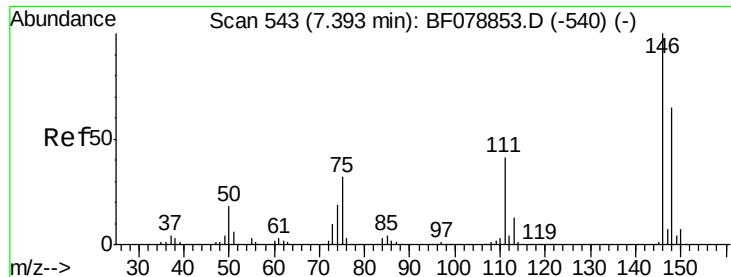
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 242216 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 50.2  | 75.2   |
| 75        | 28.5  | 29.2  | 43.8#  |





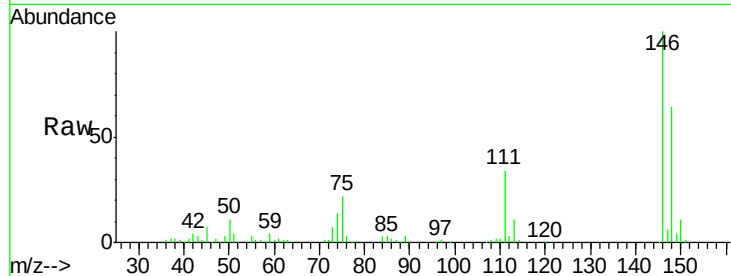
#13  
 1,4-Dichlorobenzene  
 Concen: 44.99 ng  
 RT: 7.35 min Scan# 539  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

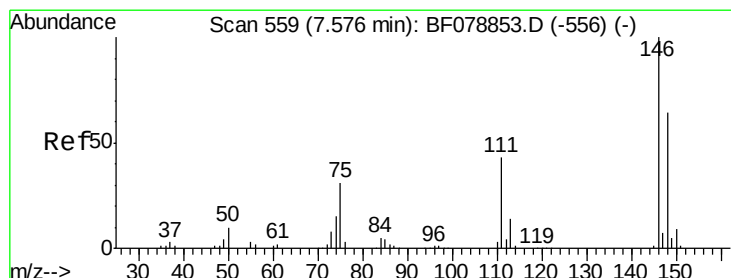
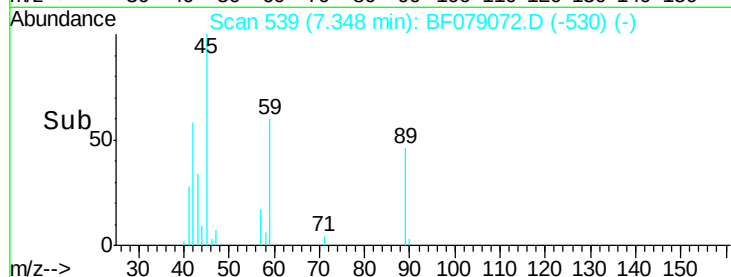
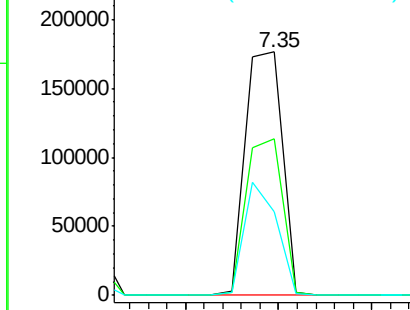
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 243457 |       |       |
| 148     | 64.1  | 52.8   | 79.2  |       |
| 111     | 34.2  | 31.7   | 47.5  |       |

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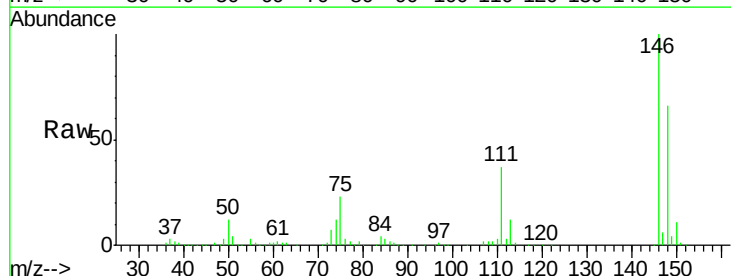


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

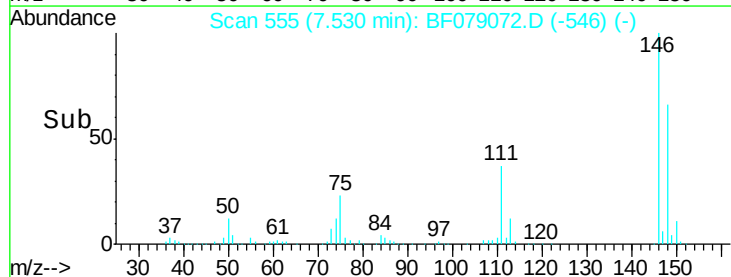
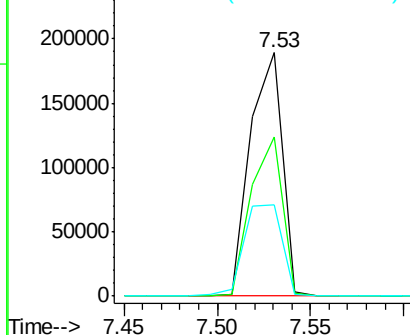


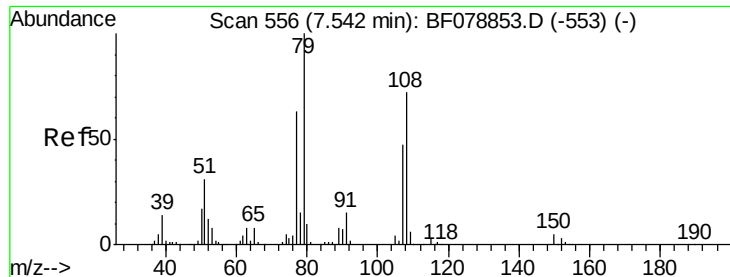
#14  
 1,2-Dichlorobenzene  
 Concen: 45.42 ng  
 RT: 7.53 min Scan# 555  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 228837 |       |       |
| 148     | 65.6  | 51.2   | 76.8  |       |
| 111     | 37.5  | 33.3   | 49.9  |       |



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





#15

Benzyl Alcohol

Concen: 48.37 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.01 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

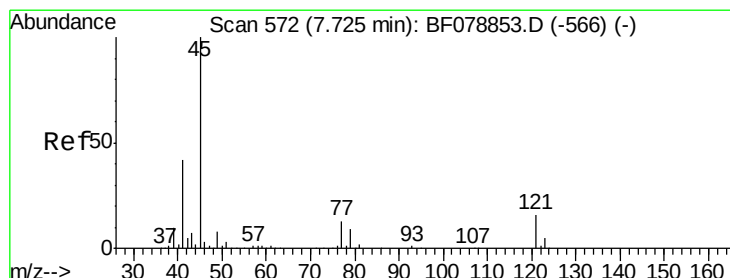
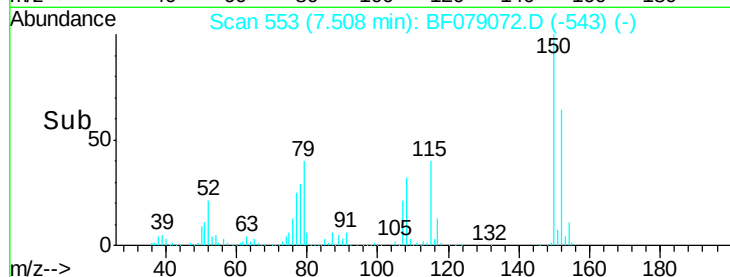
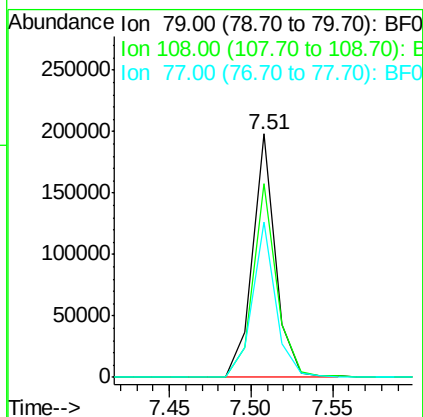
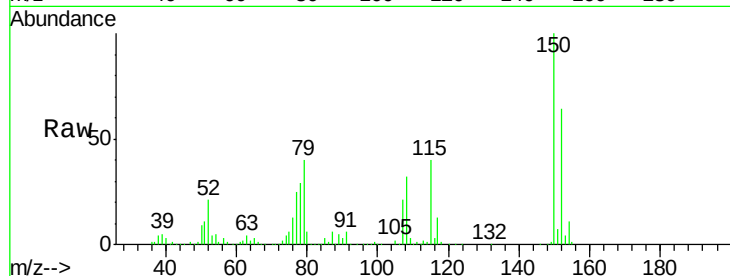
ClientSampleId :

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 195781 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 79.6  | 62.5  | 93.7   |
| 77        | 63.9  | 52.2  | 78.4   |



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.27 ng

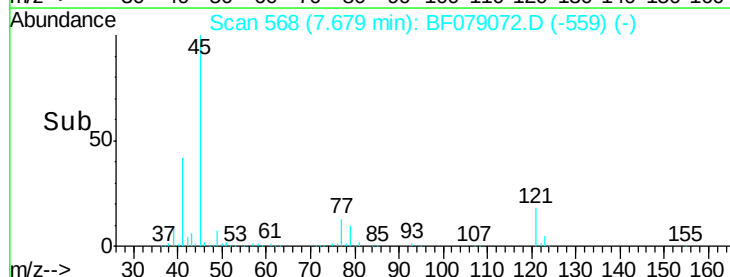
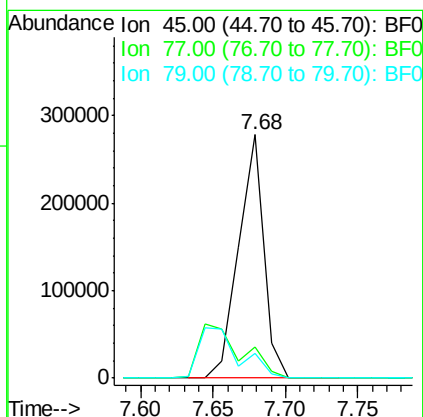
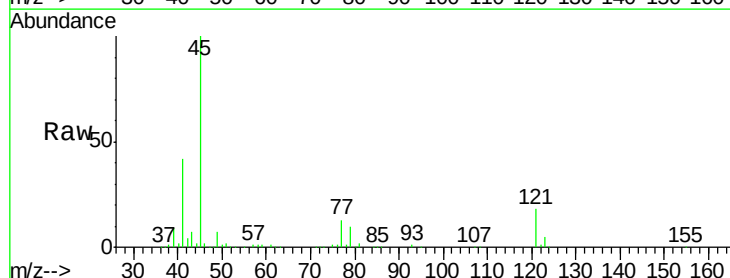
RT: 7.68 min Scan# 568

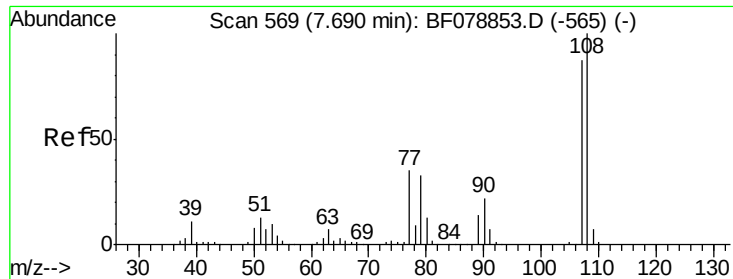
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 335354 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.9  | 0.0   | 32.3   |
| 79        | 10.3  | 0.0   | 30.1   |





#17

2-Methylphenol

Concen: 50.06 ng

RT: 7.66 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

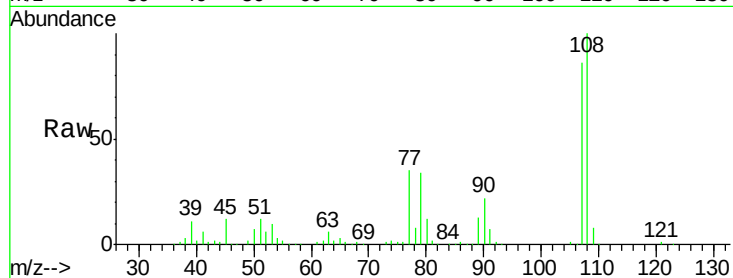
ClientSampleId :

TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 116.4 | 94.9 | 142.3 |       |
| 77      | 40.2  | 36.2 | 54.4  |       |
| 79      | 39.3  | 35.2 | 52.8  |       |

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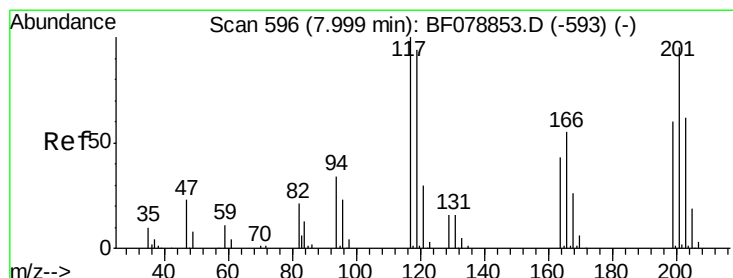
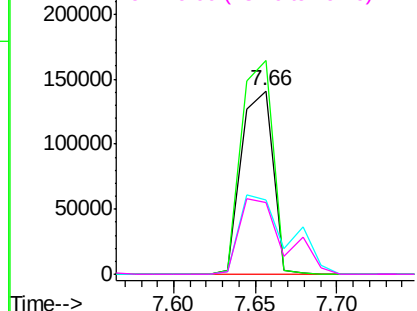
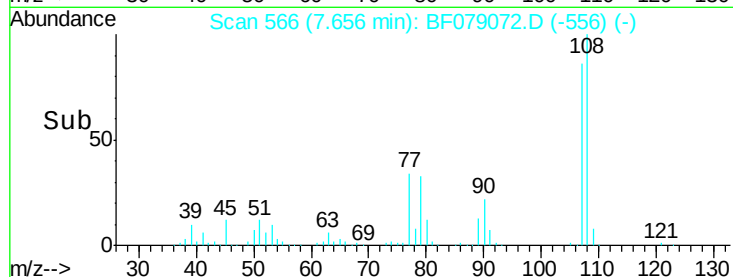


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 45.64 ng

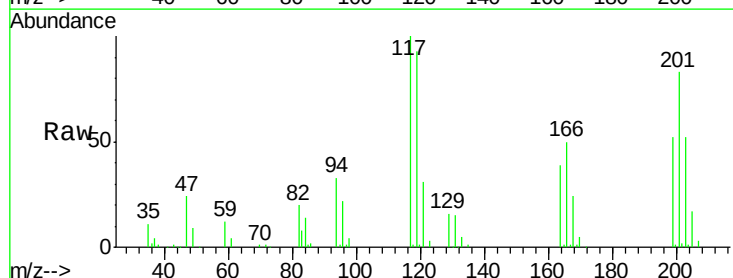
RT: 7.94 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

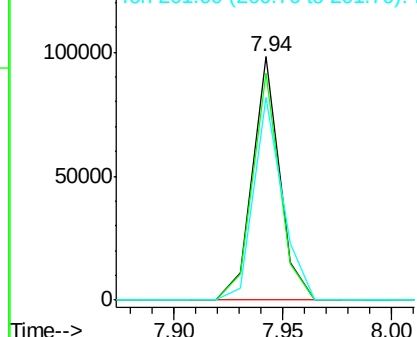
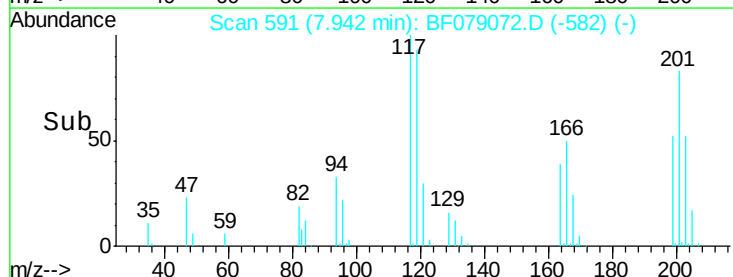
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 93.2  | 75.4 | 113.0 |       |
| 201     | 83.2  | 83.2 | 124.8 |       |

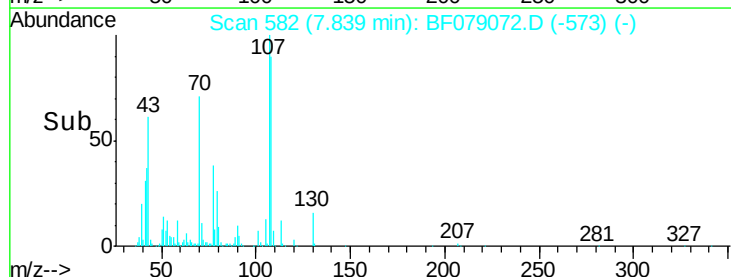
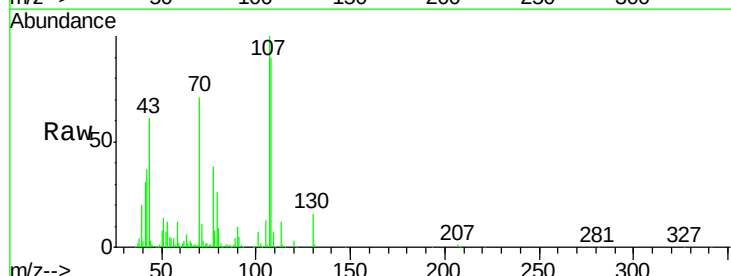
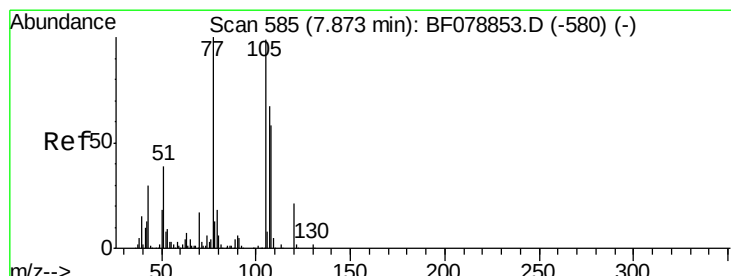
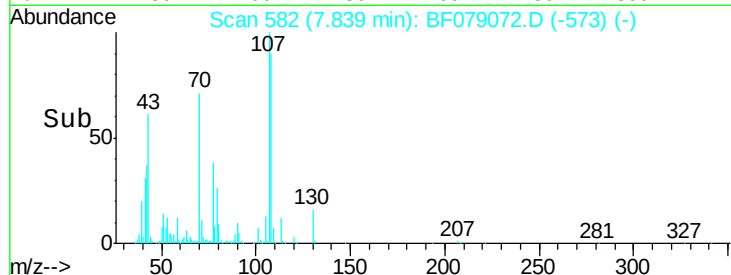
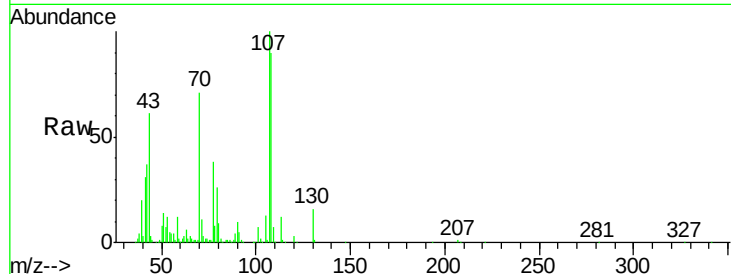
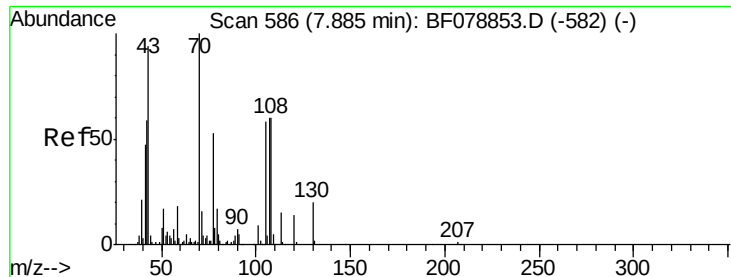


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





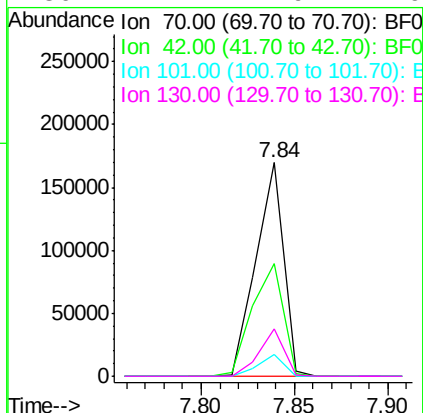
#19  
n-Nitroso-di-n-propylamine  
Concen: 47.29 ng  
RT: 7.84 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

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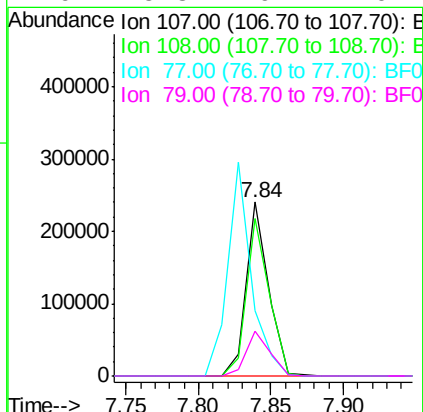
apatel  
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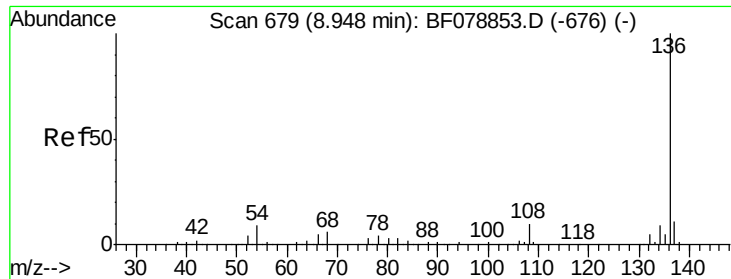
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 52.8 | 55.4  | 83.0# |       |
| 101     | 10.0 | 6.6   | 10.0# |       |
| 130     | 22.4 | 11.9  | 17.9# |       |



#20  
3+4-Methylphenols  
Concen: 51.11 ng  
RT: 7.84 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ion  | Ratio | Lower  | Upper |
|---------|------|-------|--------|-------|
| 107     | 100  |       |        |       |
| 108     | 90.4 | 76.9  | 116.9  |       |
| 77      | 37.6 | 136.8 | 176.8# |       |
| 79      | 25.8 | 9.7   | 49.7   |       |





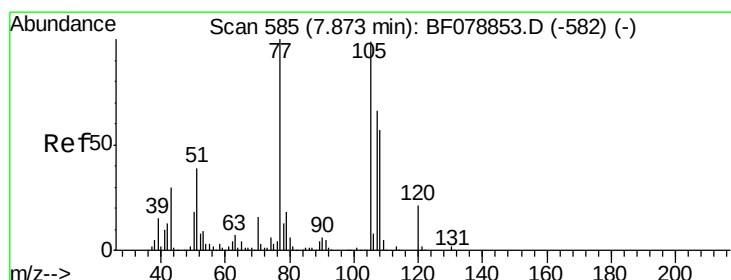
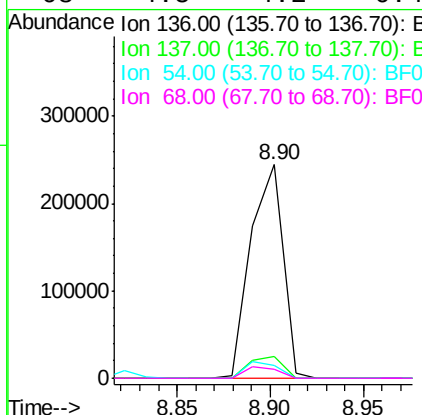
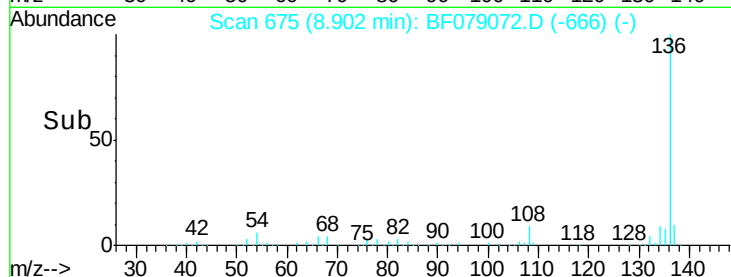
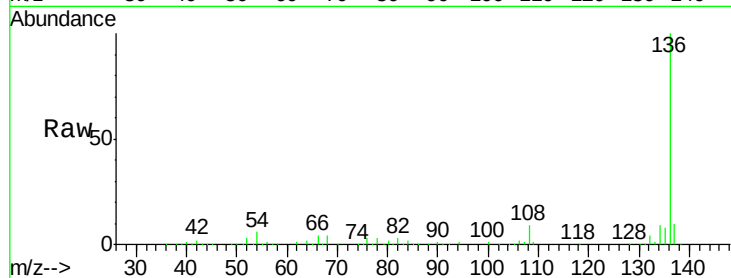
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.90 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 10.4  | 8.7        | 13.1  |
| 54      | 5.8   | 5.8        | 8.8#  |
| 68      | 4.5   | 4.2        | 6.4   |

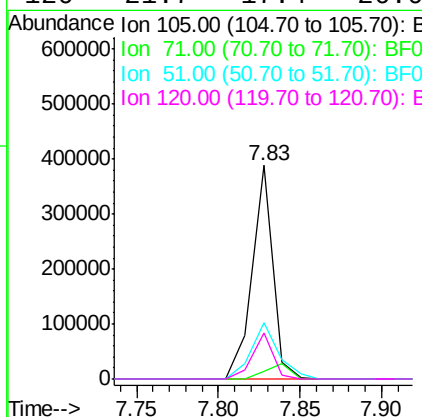
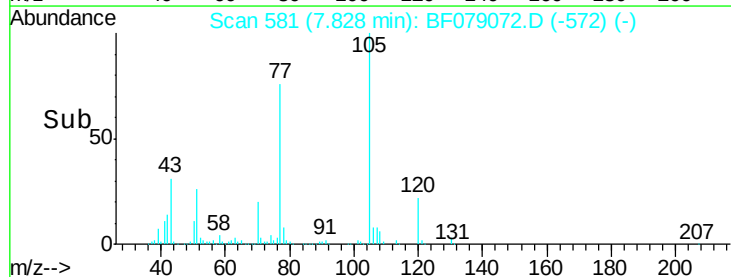
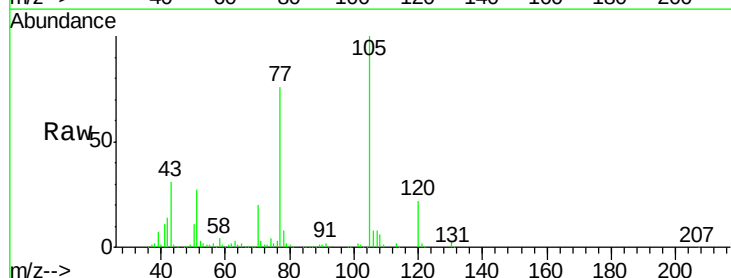
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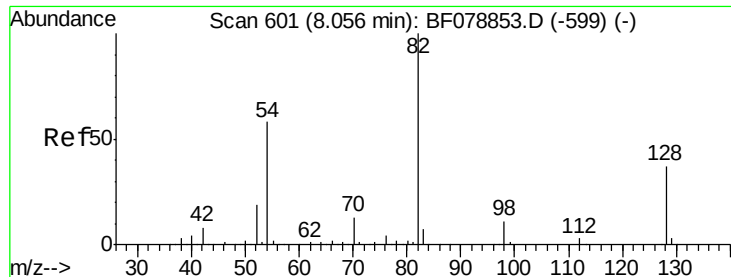
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#22  
Acetophenone  
Concen: 51.81 ng  
RT: 7.83 min Scan# 581  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 71      | 3.4   | 4.6        | 6.8#  |
| 51      | 26.5  | 26.7       | 40.1# |
| 120     | 21.7  | 17.4       | 26.0  |





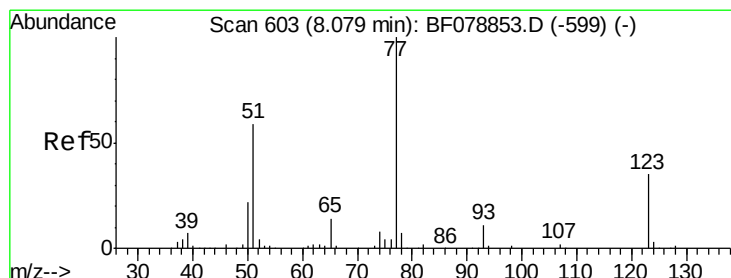
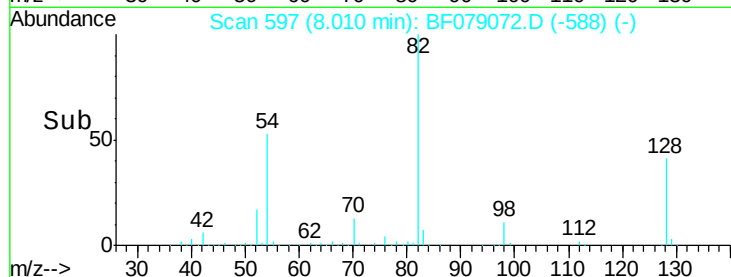
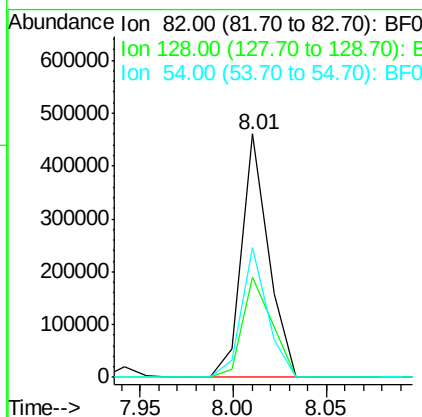
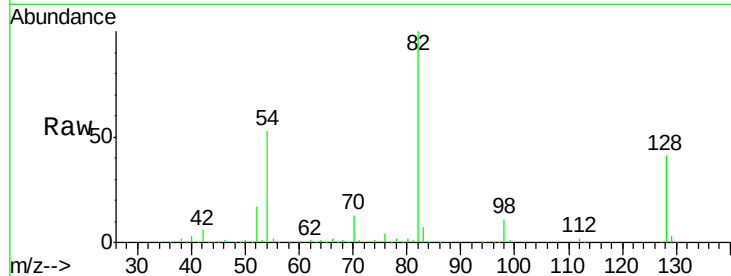
#23  
Nitrobenzene-d5  
Concen: 90.63 ng  
RT: 8.01 min Scan# 597  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 41.2  | 30.0 | 45.0  |       |
| 54      | 53.0  | 46.4 | 69.6  |       |

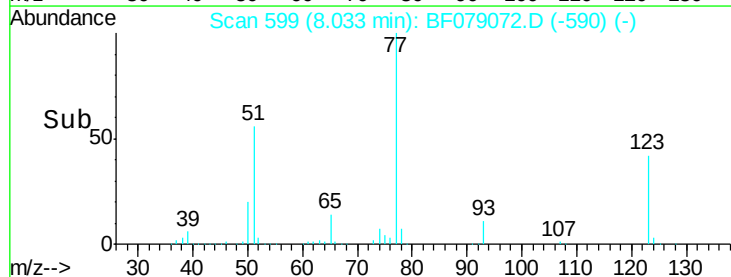
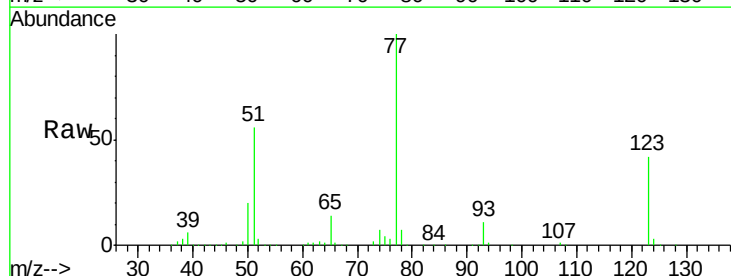
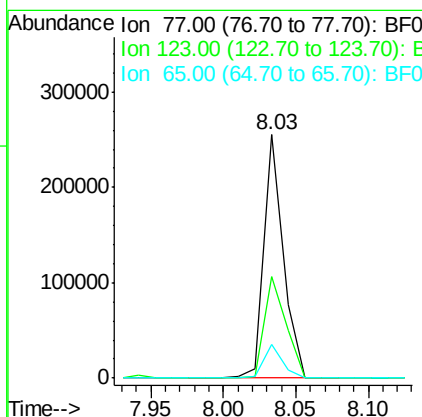
Manual Integrations  
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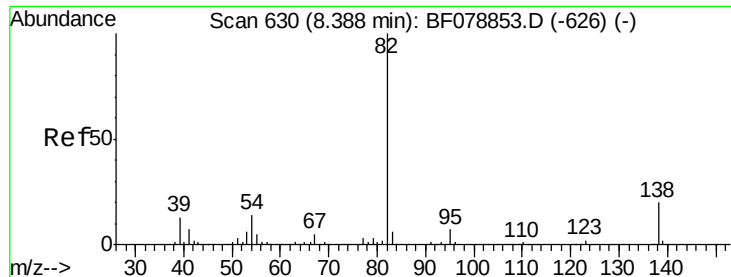


#24  
Nitrobenzene  
Concen: 46.66 ng  
RT: 8.03 min Scan# 599  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 41.8  | 31.8 | 47.8  |       |
| 65      | 13.7  | 10.6 | 15.8  |       |







#25

Isophorone

Concen: 46.72 ng

RT: 8.33 min Scan# 625

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

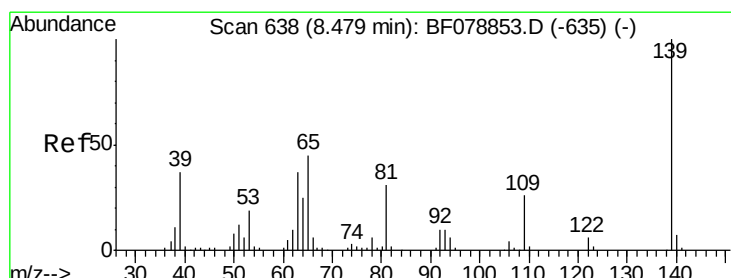
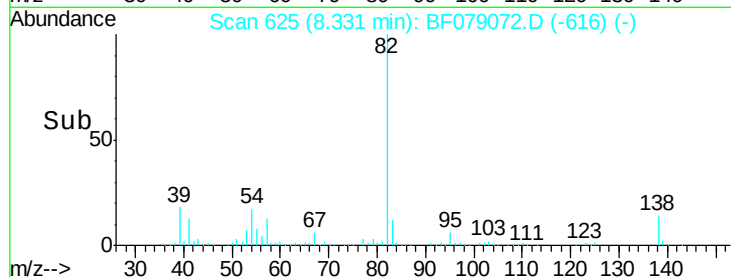
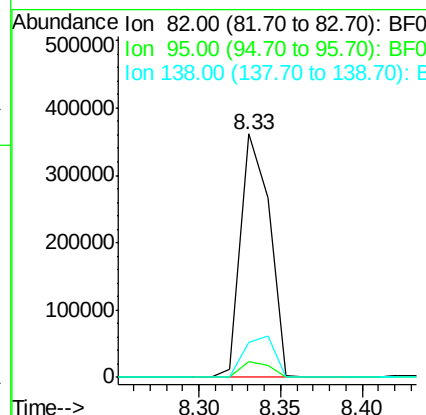
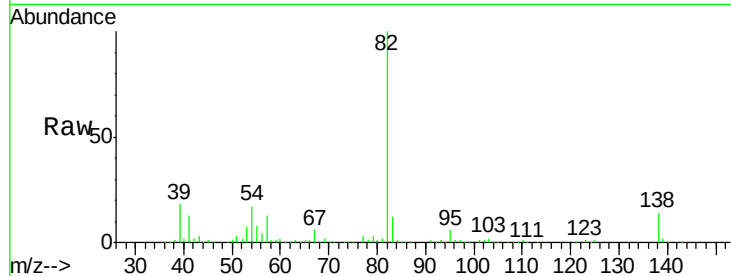
ClientSampleId :

TU012-SB-16-3.5MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 441709 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 6.3  | 5.3   | 7.9    |
| 138       | 14.4 | 12.0  | 18.0   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 55.75 ng

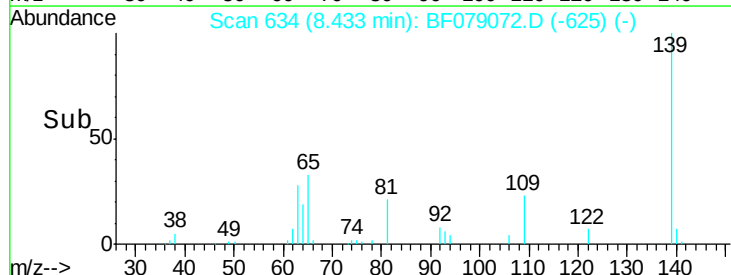
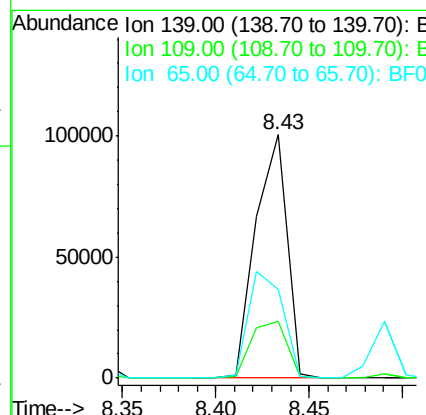
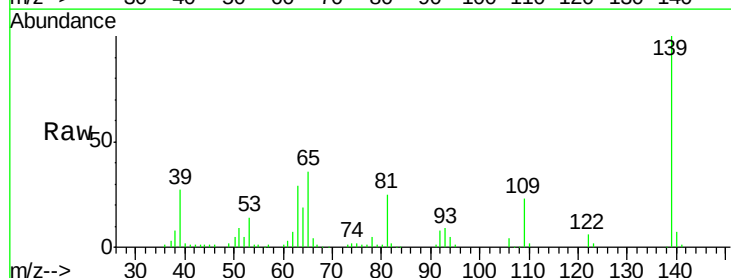
RT: 8.43 min Scan# 634

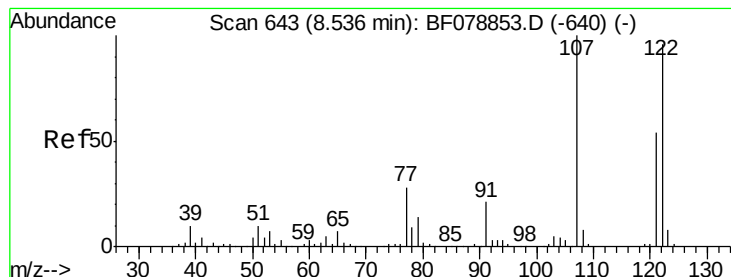
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 116650 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 23.1 | 21.0  | 31.4   |
| 65        | 36.2 | 30.5  | 45.7   |





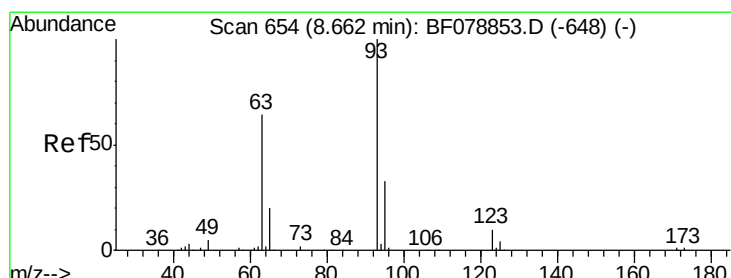
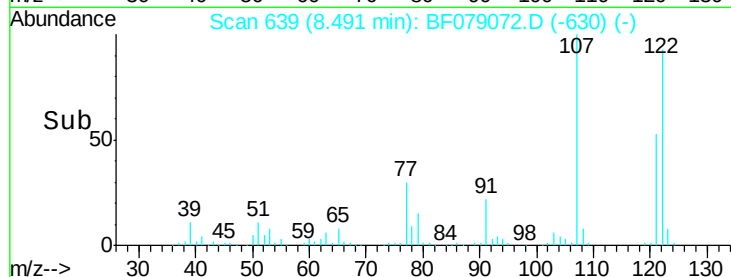
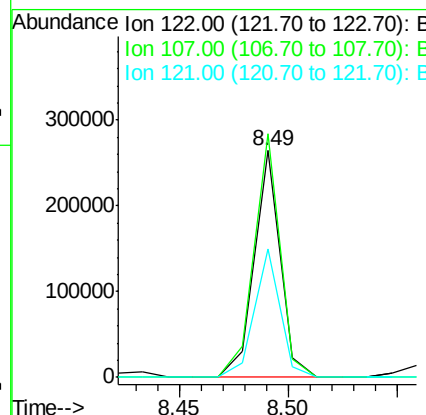
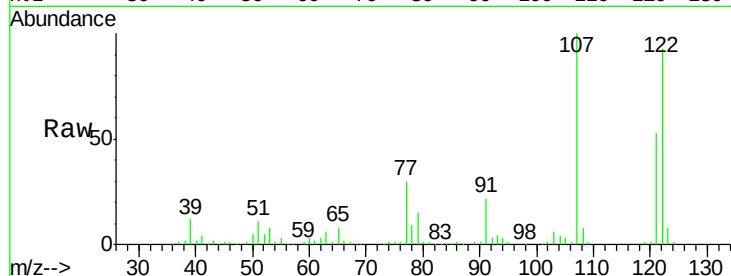
#27  
 2,4-Dimethylphenol  
 Concen: 52.28 ng  
 RT: 8.49 min Scan# 639  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 218907 |       |       |
| 107     | 107.4 | 90.6   | 135.8 |       |
| 121     | 56.6  | 45.4   | 68.2  |       |

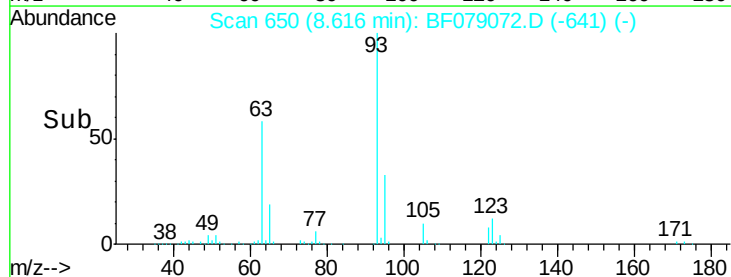
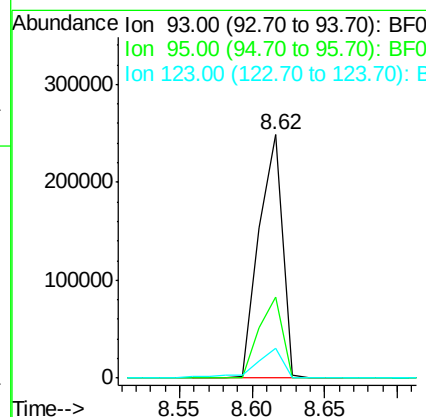
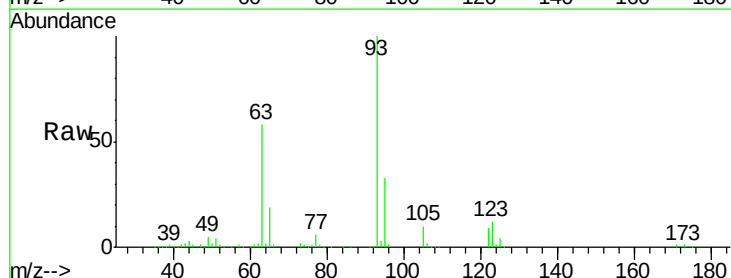
Manual Integrations  
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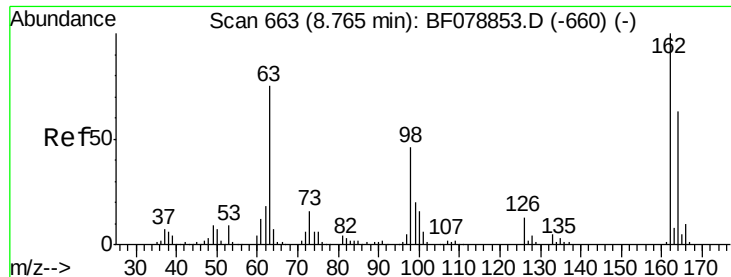
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 47.96 ng  
 RT: 8.62 min Scan# 650  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 279550 |       |       |
| 95      | 33.1  | 26.7   | 40.1  |       |
| 123     | 12.0  | 9.1    | 13.7  |       |





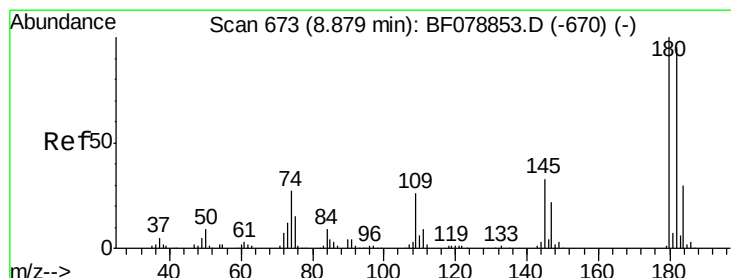
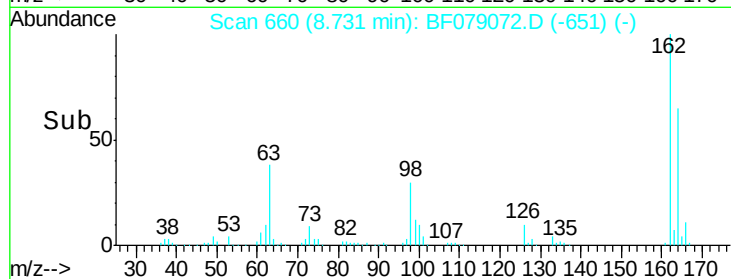
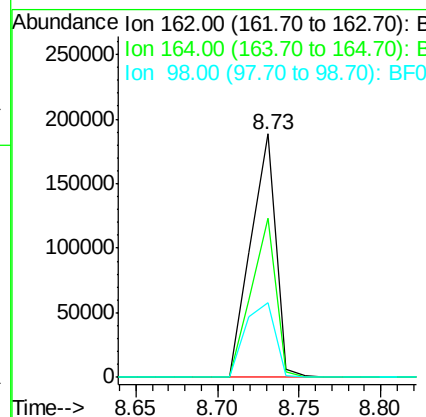
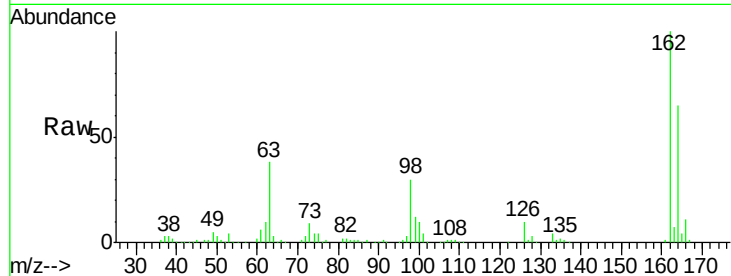
#29  
2,4-Dichlorophenol  
Concen: 54.09 ng  
RT: 8.73 min Scan# 660  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 201401 |       |       |
| 164     | 65.5 | 43.6  | 83.6   |       |       |
| 98      | 30.5 | 16.5  | 56.5   |       |       |

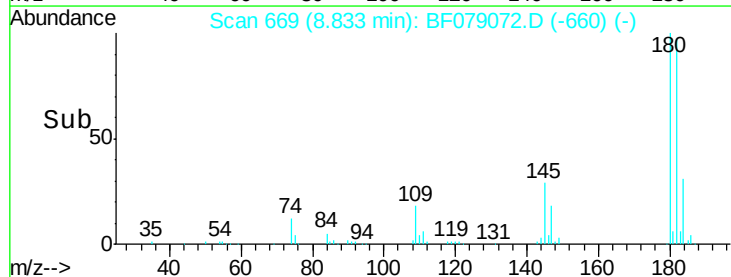
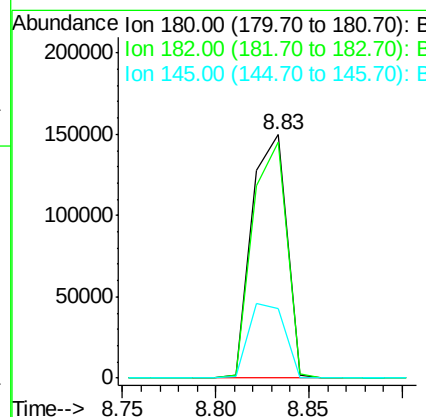
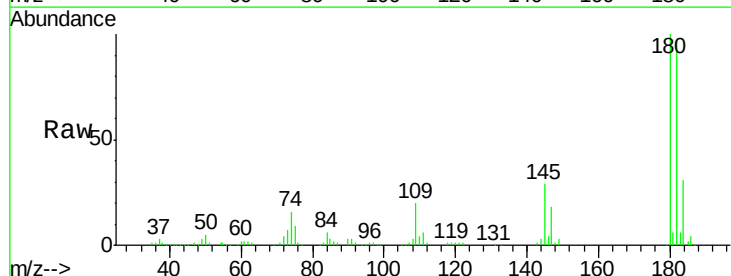
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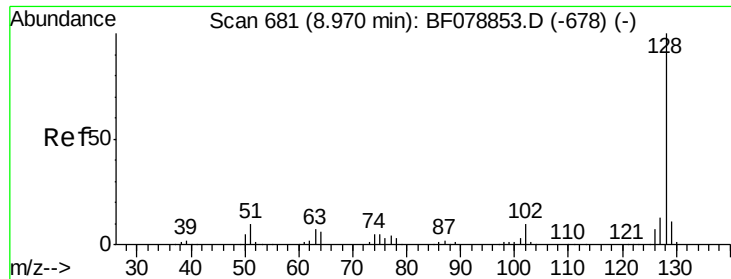
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#30  
1,2,4-Trichlorobenzene  
Concen: 47.18 ng  
RT: 8.83 min Scan# 669  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 192970 |       |       |
| 182     | 96.8 | 78.9  | 118.3  |       |       |
| 145     | 28.7 | 24.2  | 36.4   |       |       |





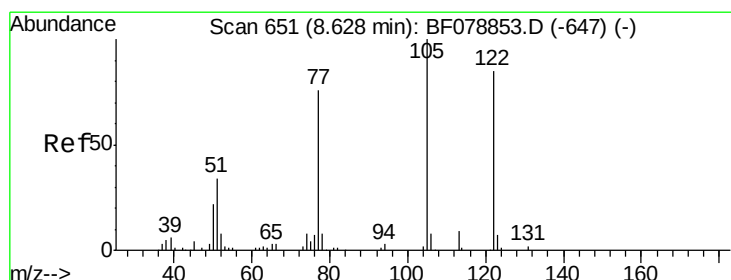
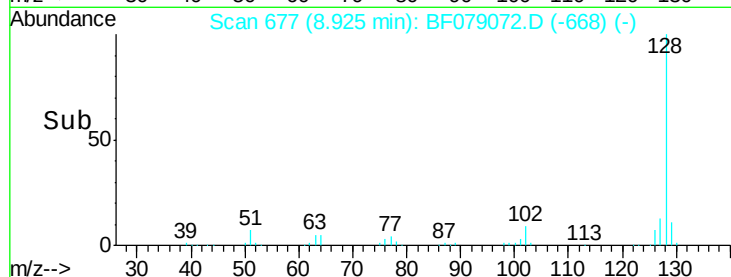
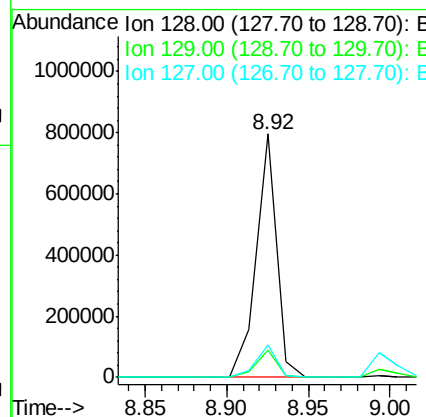
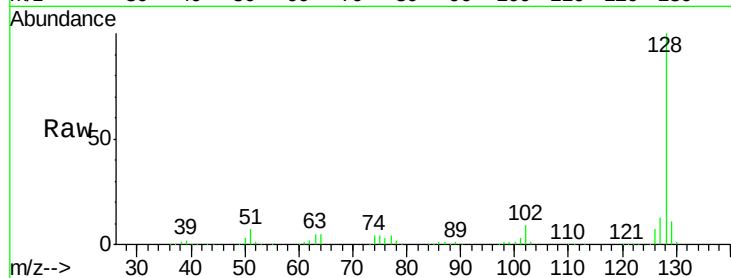
#31  
Naphthalene  
Concen: 49.37 ng  
RT: 8.92 min Scan# 677  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 689603 |       |       |
| 129     | 11.2  | 9.3    | 13.9  |       |
| 127     | 13.3  | 10.7   | 16.1  |       |

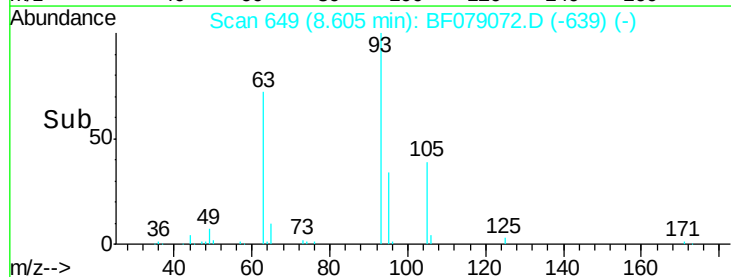
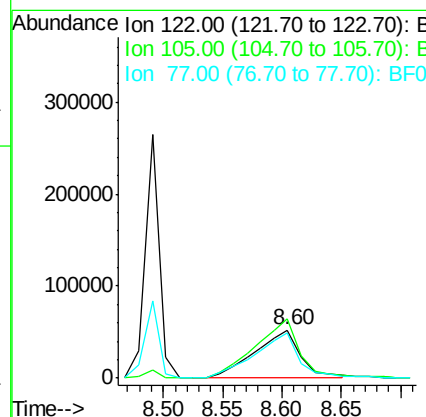
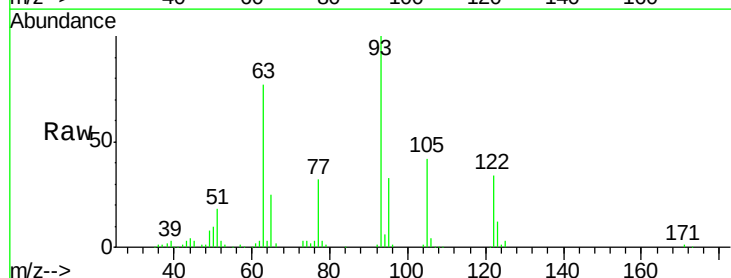
Manual Integrations  
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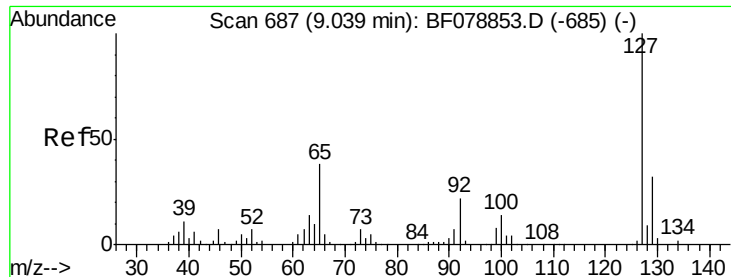
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#32  
Benzoic acid  
Concen: 51.10 ng  
RT: 8.60 min Scan# 649  
Delta R.T. 0.01 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 135247 |       |       |
| 105     | 124.3 | 107.1  | 147.1 |       |
| 77      | 93.2  | 73.9   | 113.9 |       |





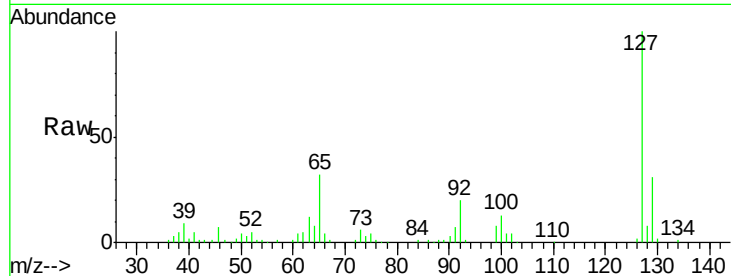
#33  
4-Chloroaniline  
Concen: 15.68 ng  
RT: 8.99 min Scan# 683  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

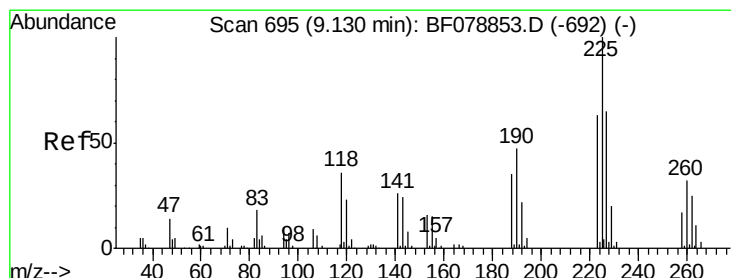
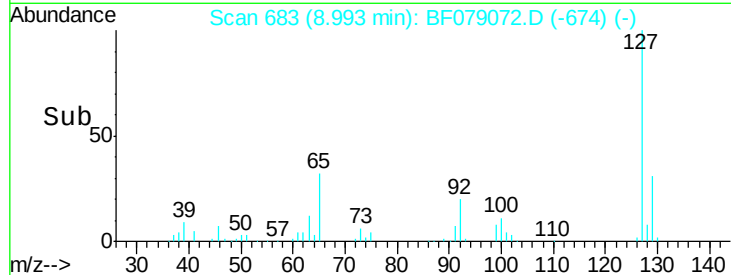
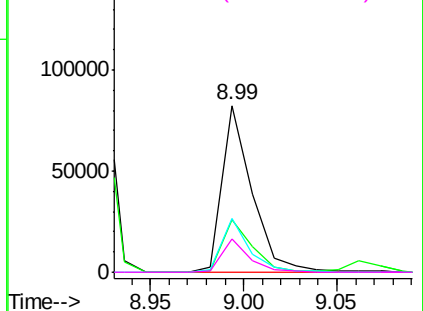
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.5 | 25.8  | 38.8 |       |       |
| 65      | 32.2 | 25.8  | 38.6 |       |       |
| 92      | 19.9 | 15.5  | 23.3 |       |       |

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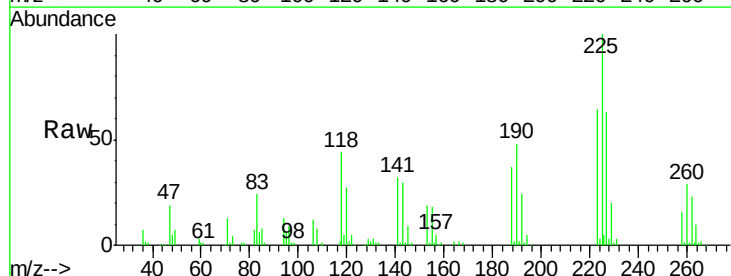


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

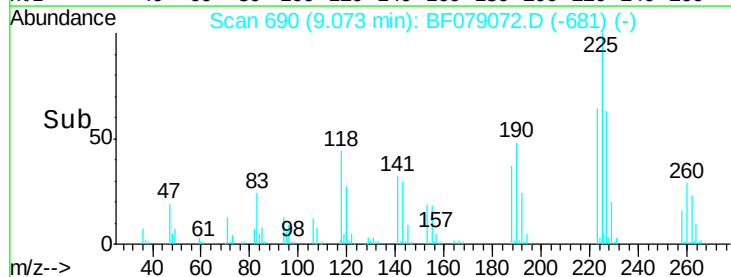
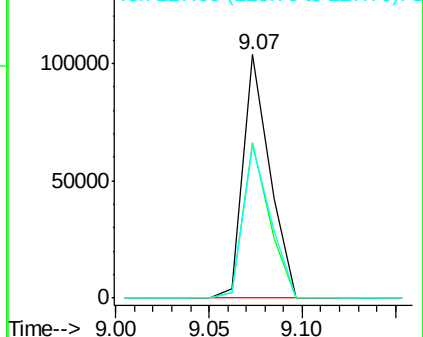


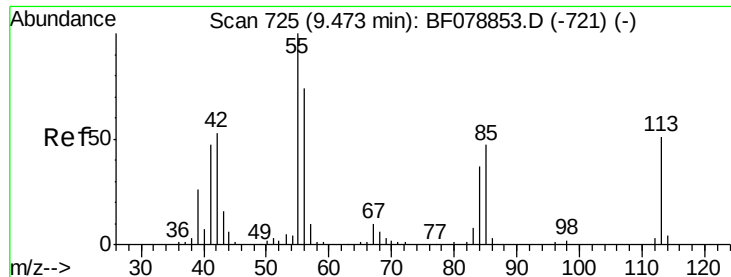
#34  
Hexachlorobutadiene  
Concen: 43.70 ng  
RT: 9.07 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.8 | 48.2  | 72.4 |       |       |
| 227     | 62.8 | 51.4  | 77.0 |       |       |



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





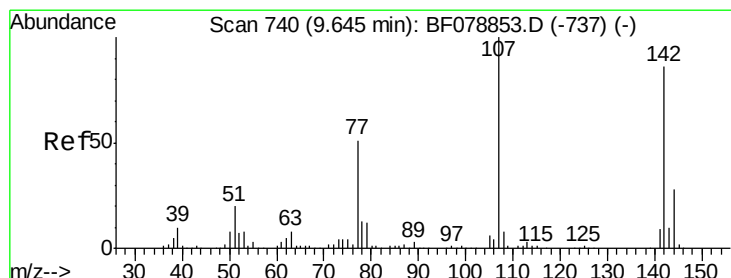
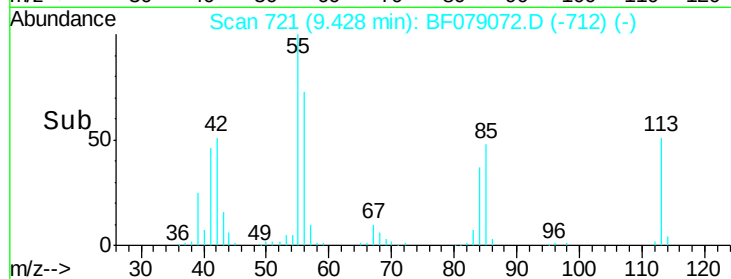
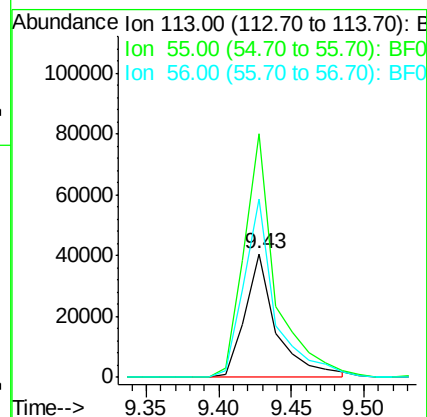
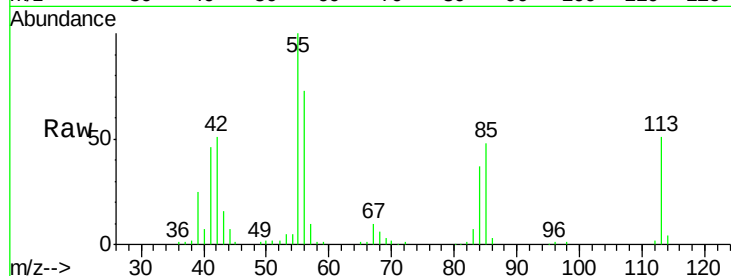
#35  
Caprolactam  
Concen: 50.98 ng  
RT: 9.43 min Scan# 721  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 196.6 | 169.7 | 209.7 |
| 56      | 144.5 | 122.5 | 162.5 |

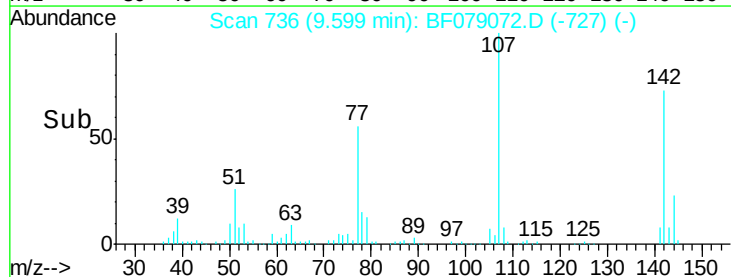
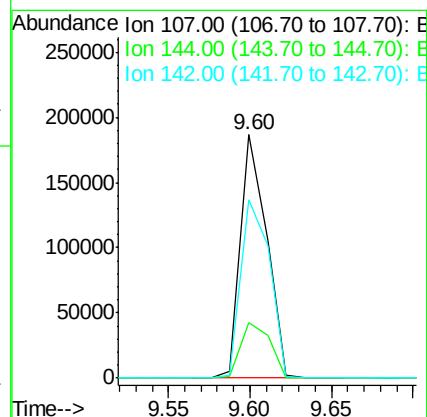
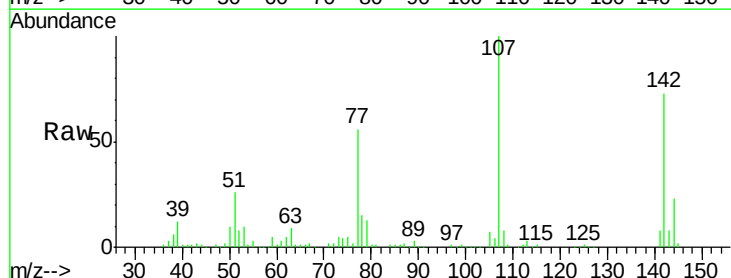
Manual Integrations  
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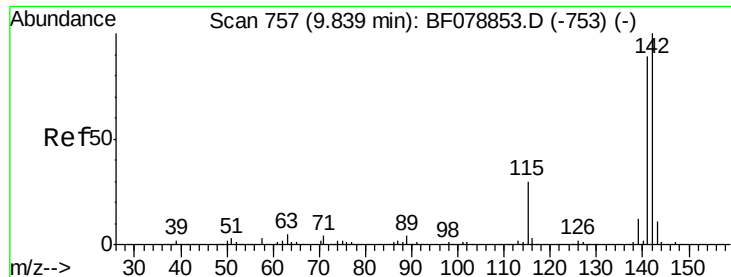
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#36  
4-Chloro-3-methylphenol  
Concen: 52.73 ng  
RT: 9.60 min Scan# 736  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 23.0  | 19.8  | 29.6  |
| 142     | 73.1  | 60.6  | 91.0  |





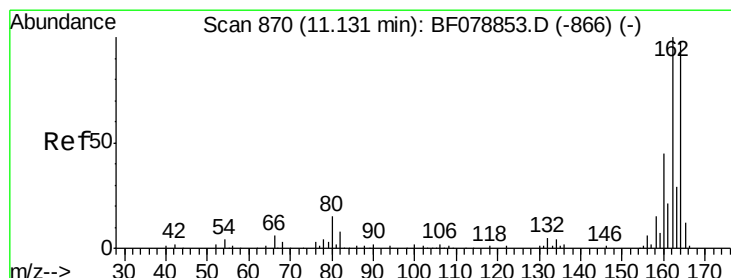
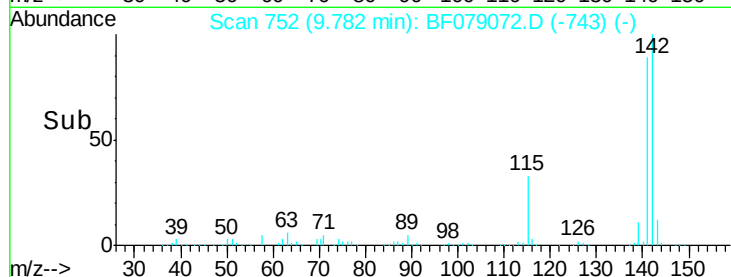
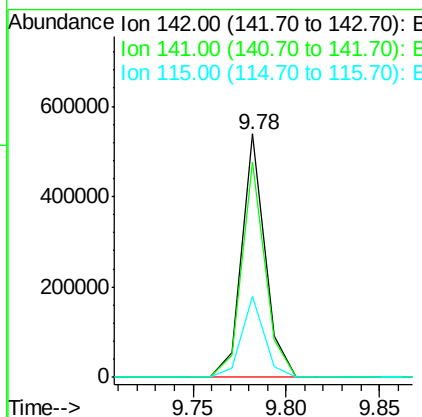
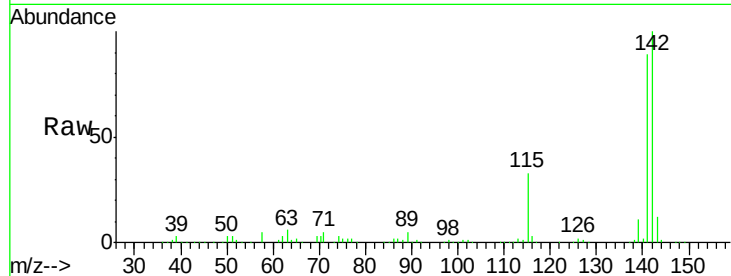
#37  
 2-Methylnaphthalene  
 Concen: 48.52 ng  
 RT: 9.78 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 469615 |       |       |
| 141     | 88.7  | 70.9   | 106.3 |       |
| 115     | 33.3  | 28.5   | 42.7  |       |

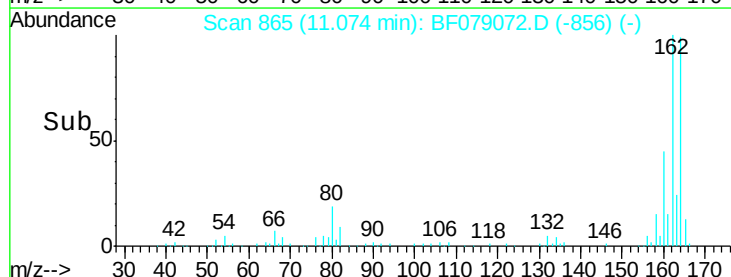
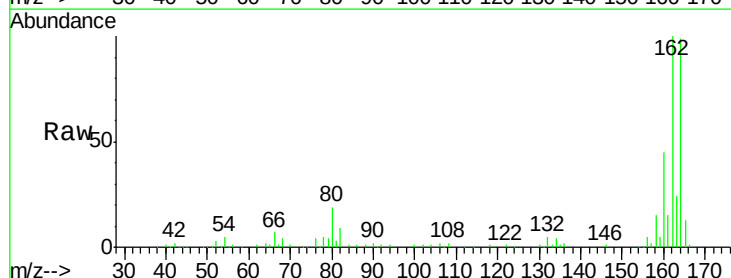
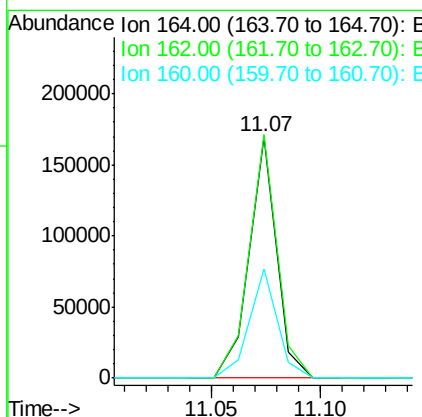
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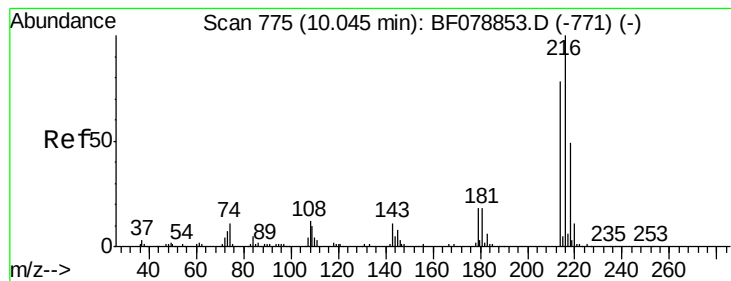
apatel  
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 865  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 148776 |       |       |
| 162     | 100.9 | 82.7   | 124.1 |       |
| 160     | 45.1  | 35.8   | 53.8  |       |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.49 ng

RT: 9.99 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF079072.D

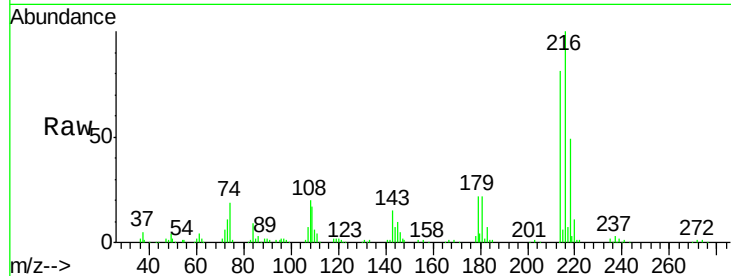
Acq: 9 May 2015 9:29

Instrument :

BNA\_F

ClientSampleId :

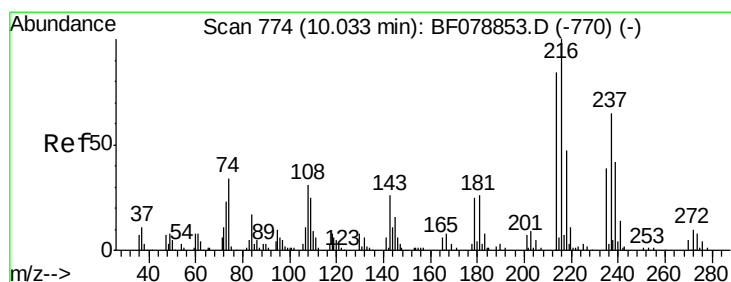
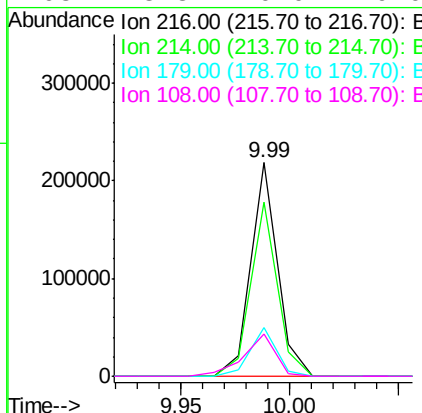
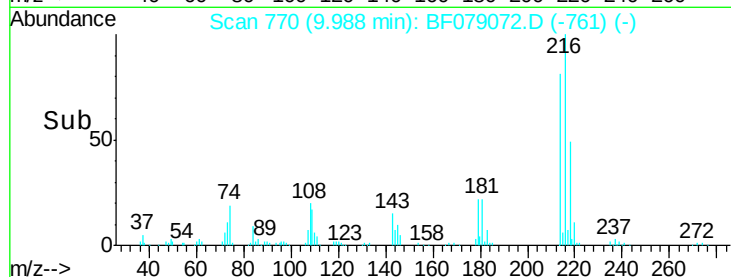
TU012-SB-16-3.5MSD



| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 81.4  | 0.0  | 0.0   | 0.0   |
| 179     | 22.3  | 0.0  | 0.0   | 0.0   |
| 108     | 23.3  | 0.0  | 0.0   | 0.0   |

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#40

Hexachlorocyclopentadiene

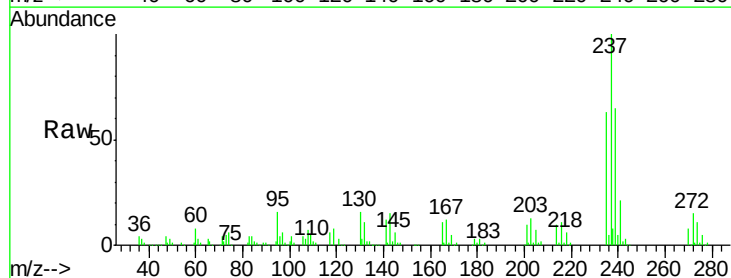
Concen: 79.90 ng

RT: 9.98 min Scan# 769

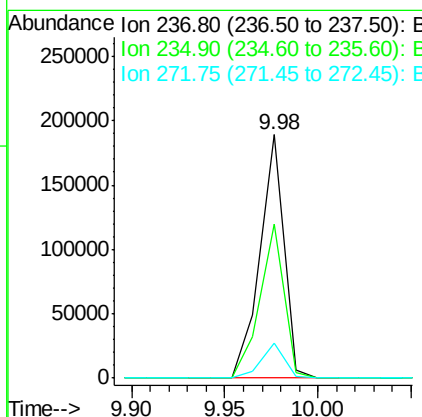
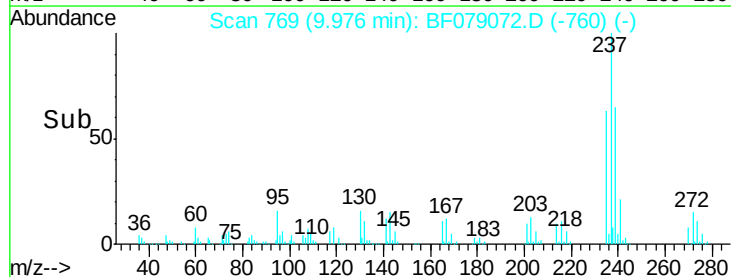
Delta R.T. 0.00 min

Lab File: BF079072.D

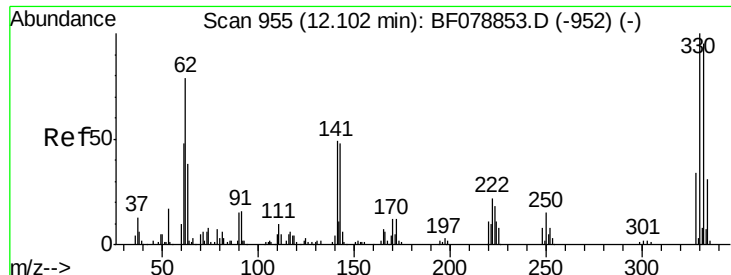
Acq: 9 May 2015 9:29



| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 63.4  | 44.7 | 84.7  |       |
| 272     | 14.5  | 0.0  | 32.6  |       |







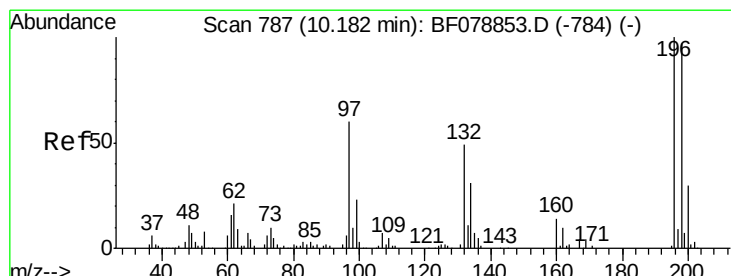
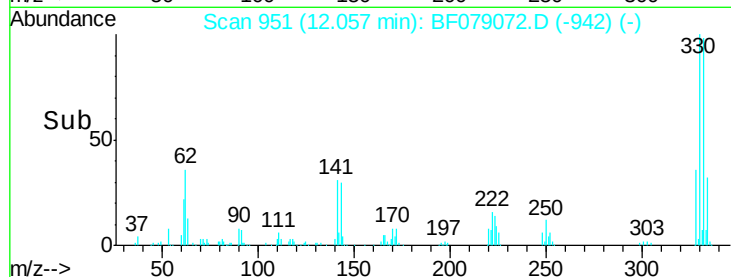
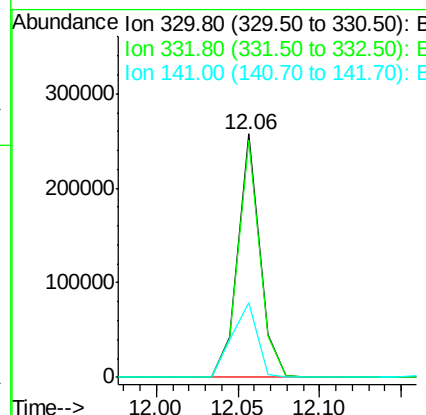
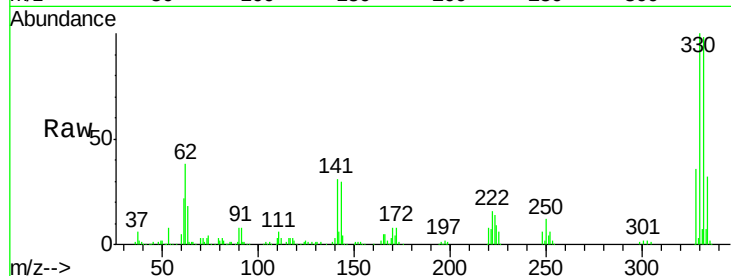
#41  
 2,4,6-Tribromophenol  
 Concen: 148.50 ng  
 RT: 12.06 min Scan# 951  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 97.4  | 0.0        | 0.0#  |
| 141     | 35.5  | 0.0        | 0.0#  |

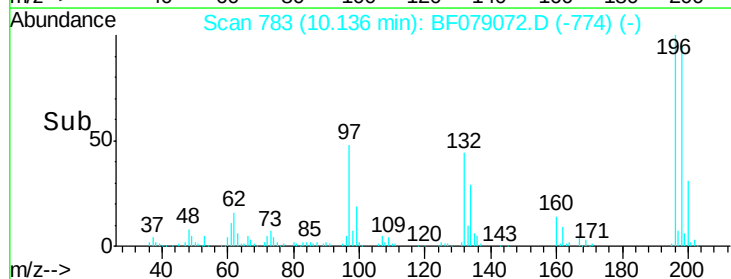
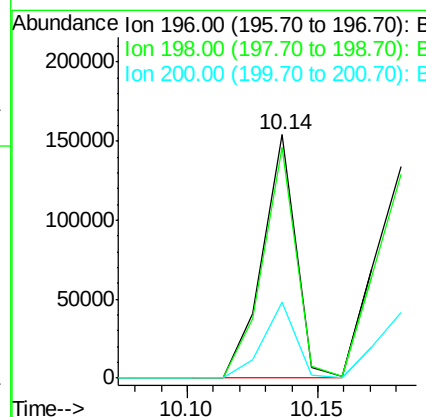
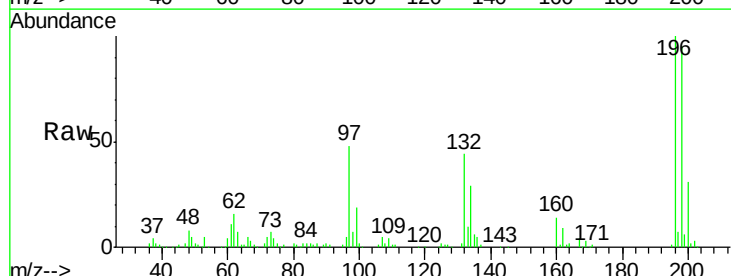
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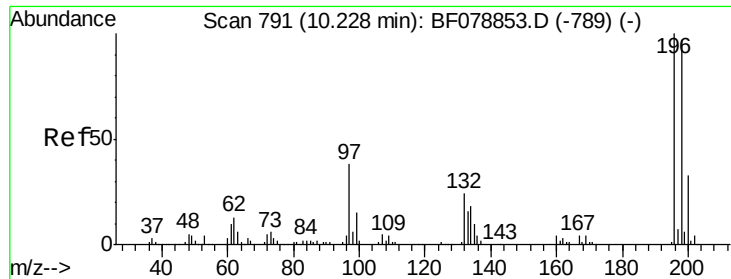
apatel  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 48.33 ng  
 RT: 10.14 min Scan# 783  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 94.7  | 80.5       | 120.7 |
| 200     | 31.3  | 24.9       | 37.3  |





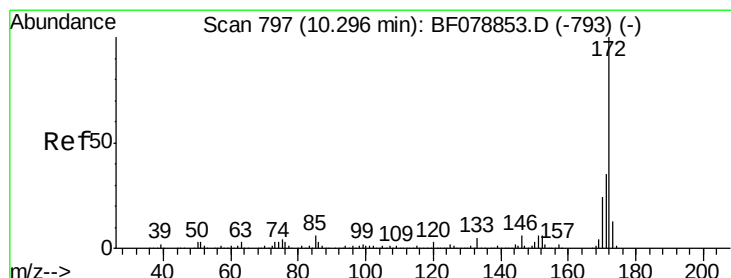
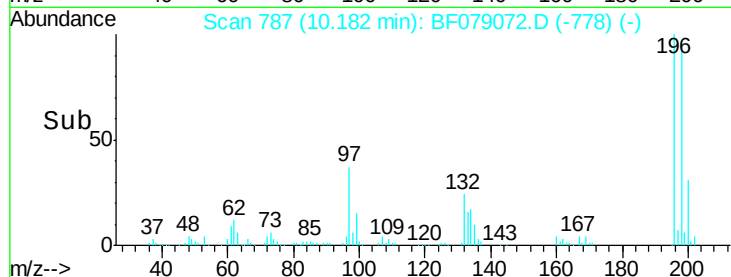
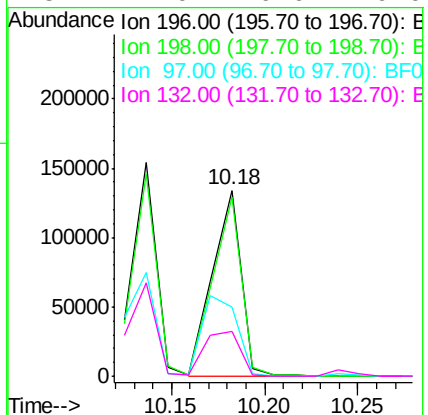
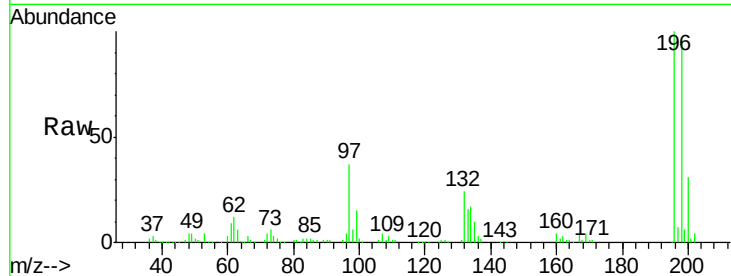
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.66 ng  
 RT: 10.18 min Scan# 787  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 144632 |       |       |
| 198     | 96.3 | 79.8  | 119.6  |       |       |
| 97      | 37.3 | 46.0  | 69.0#  |       |       |
| 132     | 24.0 | 26.6  | 40.0#  |       |       |

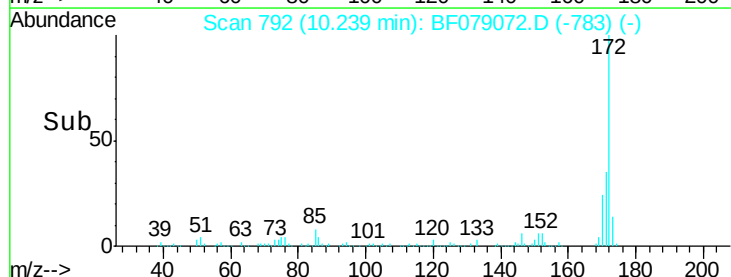
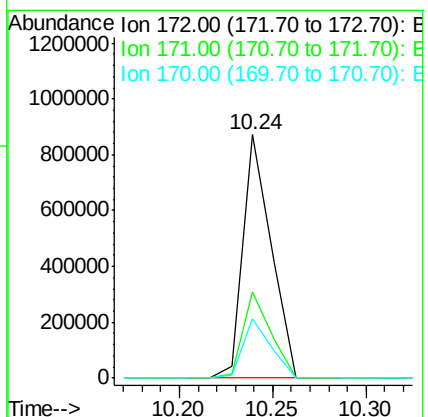
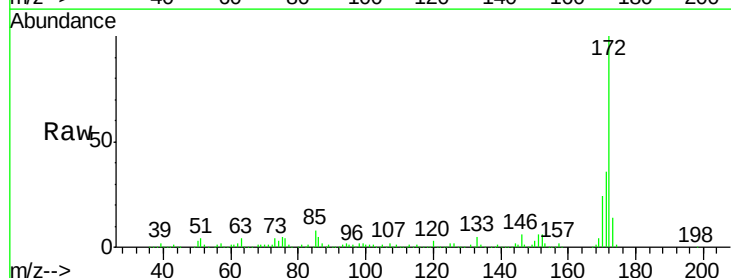
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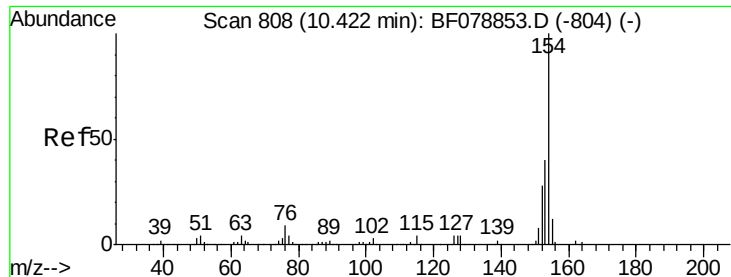
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#44  
 2-Fluorobiphenyl  
 Concen: 85.43 ng  
 RT: 10.24 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 912253 |       |       |
| 171     | 35.6 | 27.9  | 41.9   |       |       |
| 170     | 24.4 | 19.4  | 29.0   |       |       |





#45

1,1'-Biphenyl

Concen: 47.18 ng

RT: 10.37 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

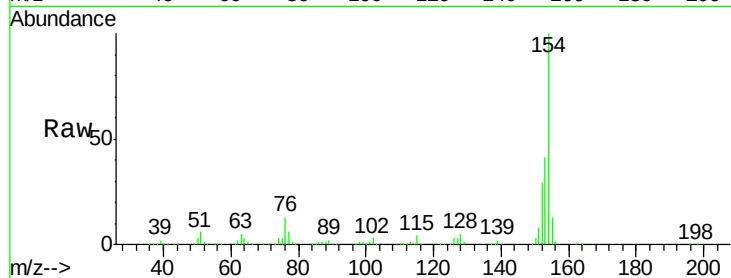
ClientSampleId :

TU012-SB-16-3.5MSD

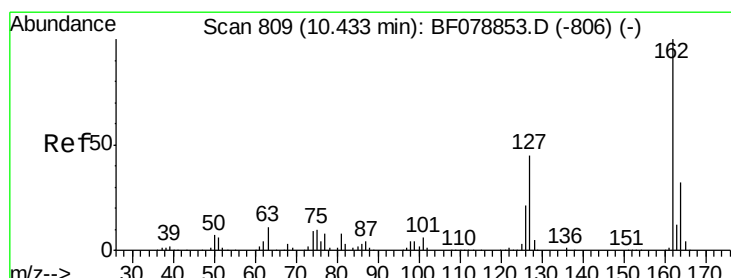
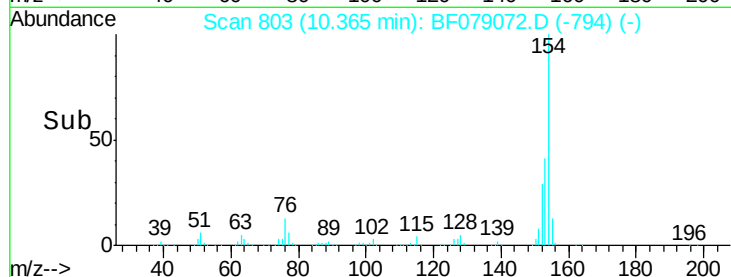
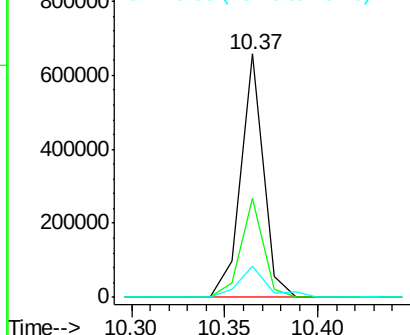
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 558055 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.5  | 19.9  | 59.9   |
| 76        | 12.6  | 0.0   | 35.0   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 46.94 ng

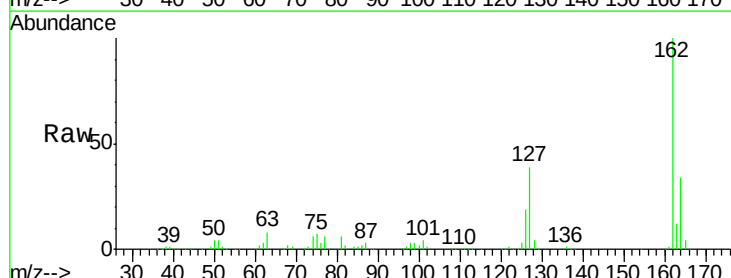
RT: 10.39 min Scan# 805

Delta R.T. 0.00 min

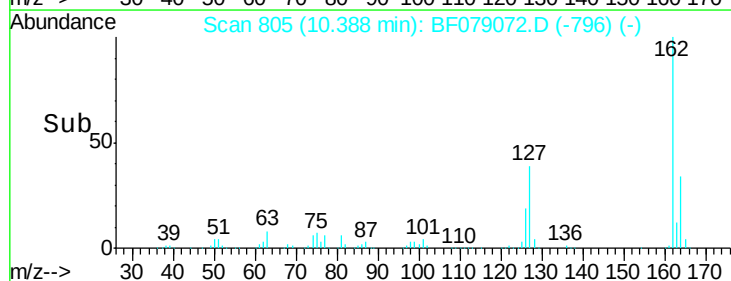
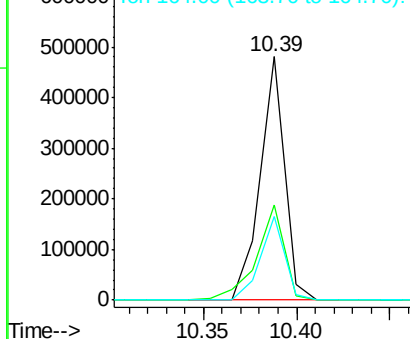
Lab File: BF079072.D

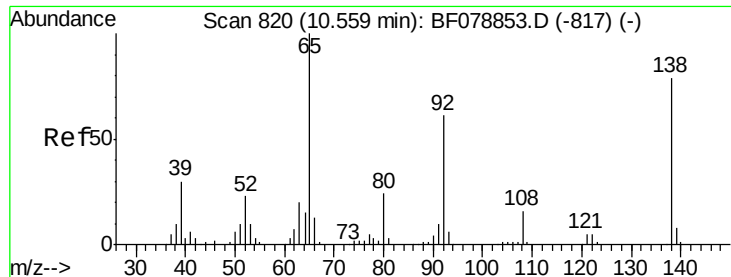
Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 433090 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.1  | 33.9  | 50.9   |
| 164       | 34.2  | 26.3  | 39.5   |



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E





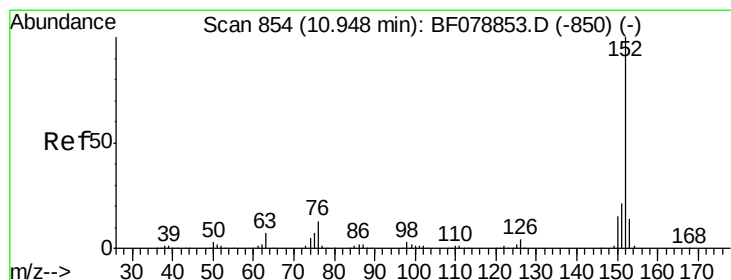
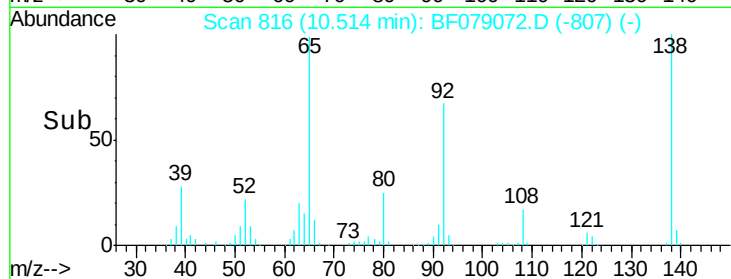
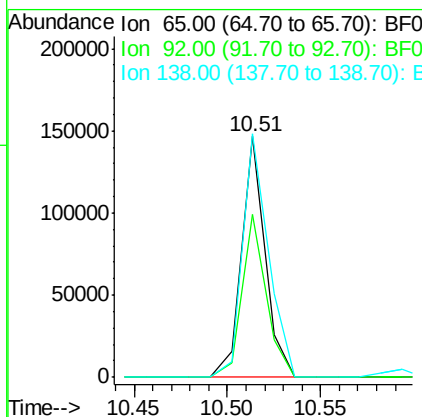
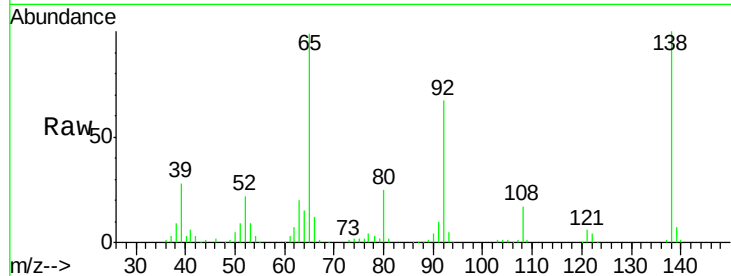
#47  
2-Nitroaniline  
Concen: 48.33 ng  
RT: 10.51 min Scan# 816  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.8  | 54.0  | 81.0  |
| 138     | 101.3 | 75.0  | 112.6 |

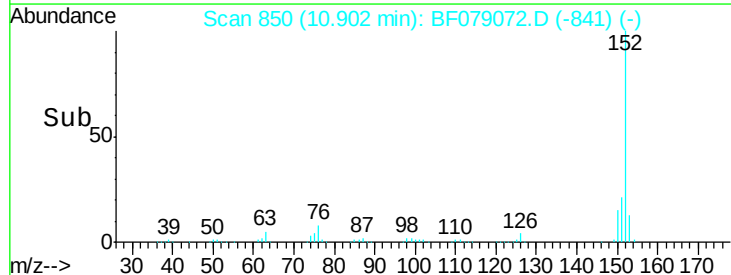
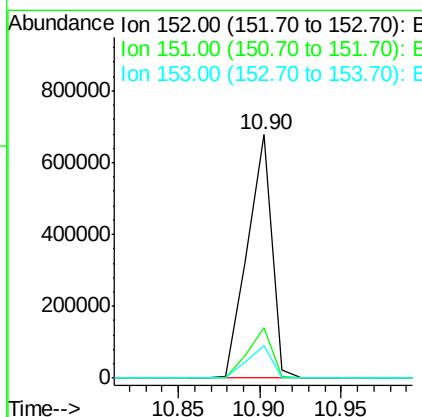
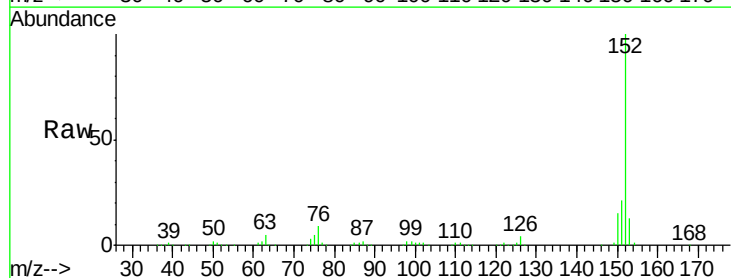
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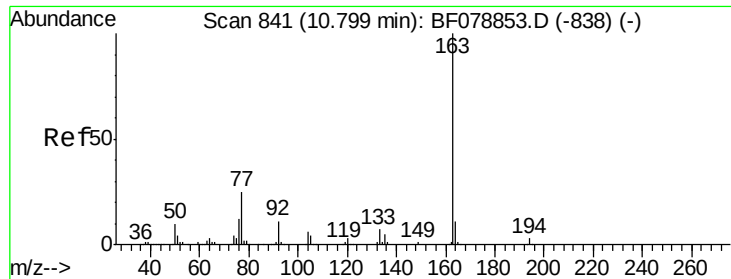
apatel  
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#48  
Acenaphthylene  
Concen: 46.56 ng  
RT: 10.90 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.2  | 24.4  |
| 153     | 13.3  | 10.9  | 16.3  |





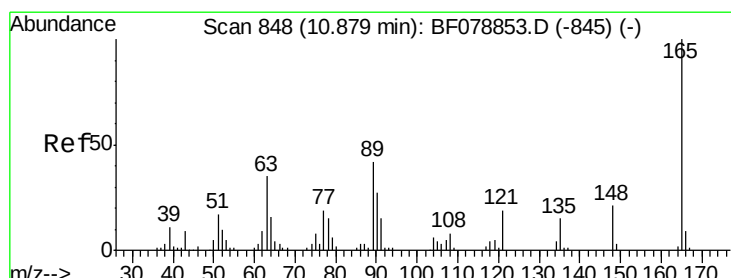
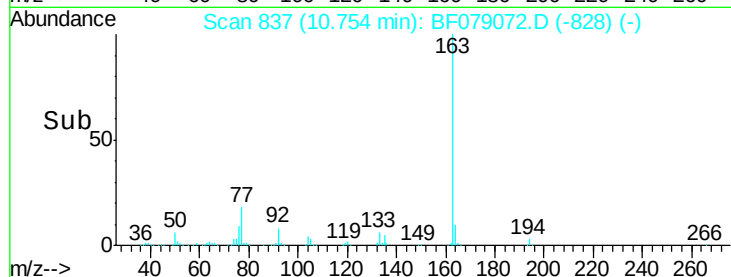
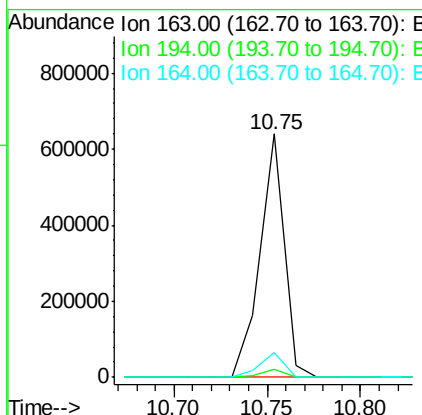
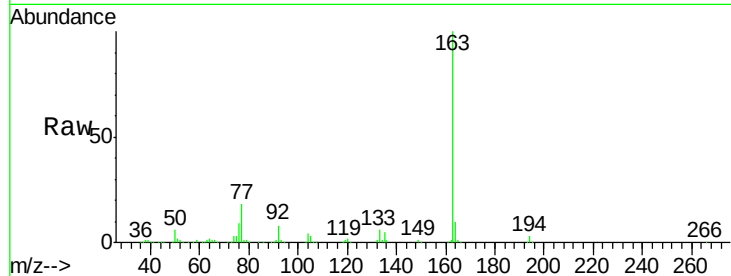
#49  
Dimethylphthalate  
Concen: 52.35 ng  
RT: 10.75 min Scan# 837  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 571571 |       |       |
| 194     | 3.3   |        | 2.6   | 4.0   |
| 164     | 10.2  |        | 8.1   | 12.1  |

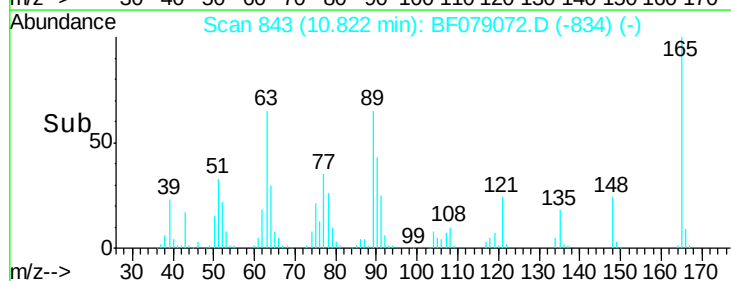
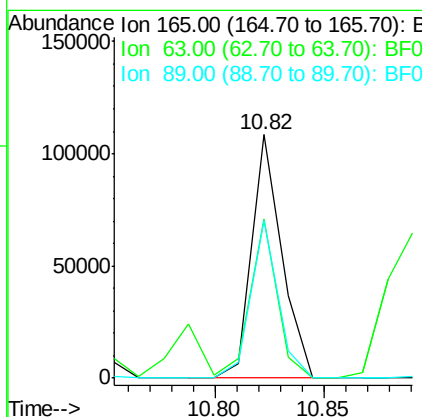
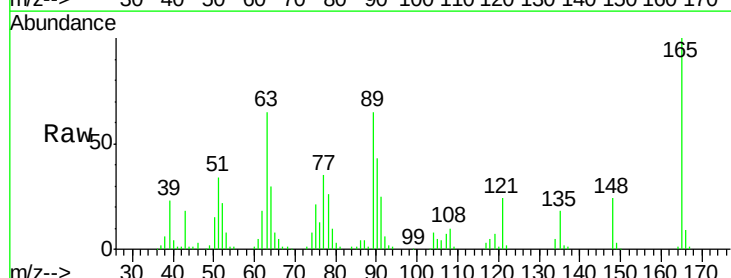
Manual Integrations  
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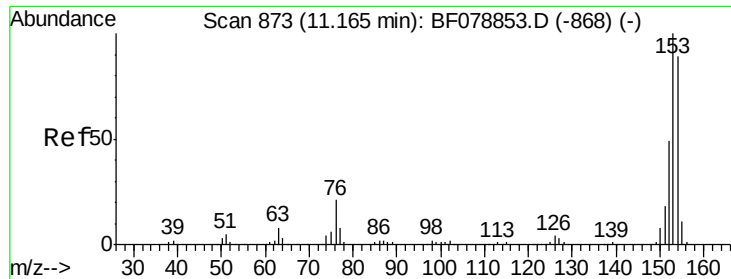
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#50  
2,6-Dinitrotoluene  
Concen: 48.24 ng  
RT: 10.82 min Scan# 843  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 103944 |       |       |
| 63      | 65.4  |        | 54.4  | 81.6  |
| 89      | 64.9  |        | 55.7  | 83.5  |





#51

Acenaphthene

Concen: 45.25 ng

RT: 11.12 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF079072.D

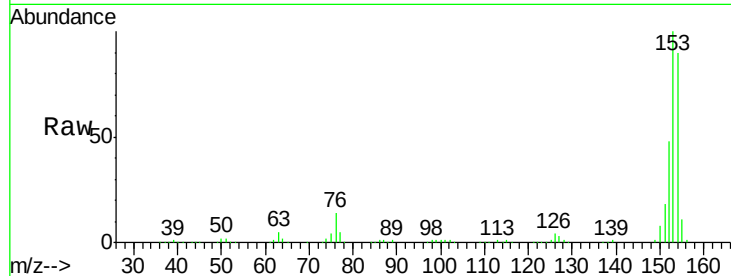
Acq: 9 May 2015 9:29

Instrument :

BNA\_F

ClientSampleId :

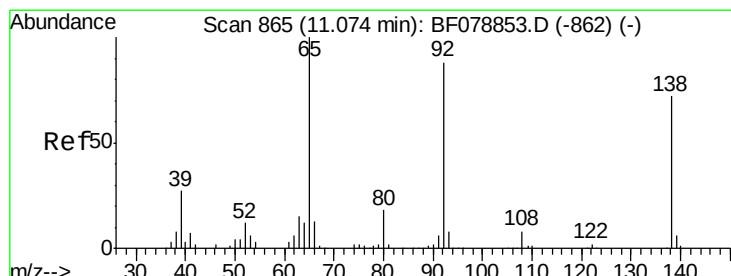
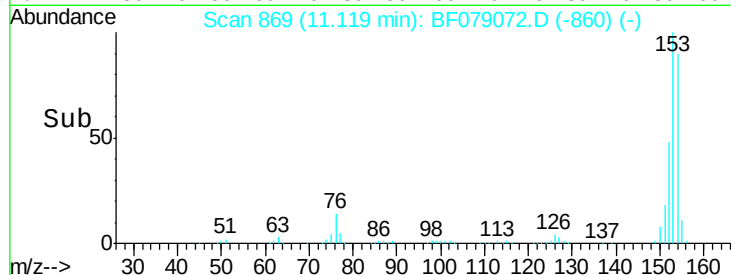
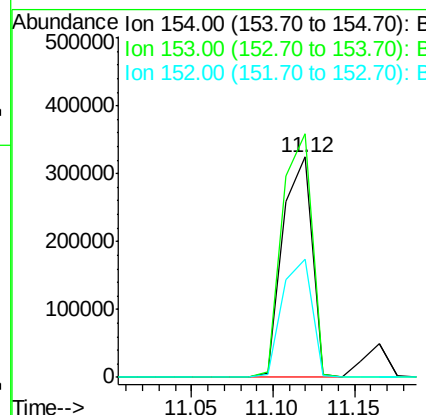
TU012-SB-16-3.5MSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 408710 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 110.5 | 91.5  | 137.3  |
| 152       | 53.5  | 44.2  | 66.4   |

Manual Integrations  
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apatel  
5/12/2015 3:44:55 PM



#52

3-Nitroaniline

Concen: 22.66 ng

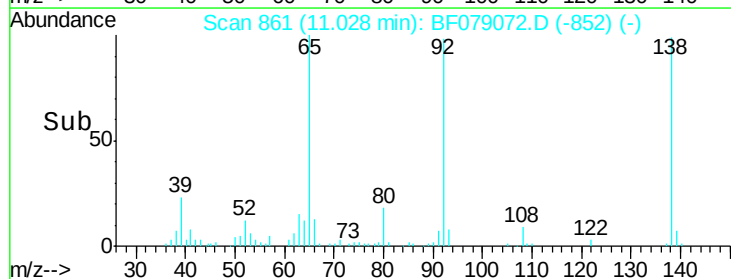
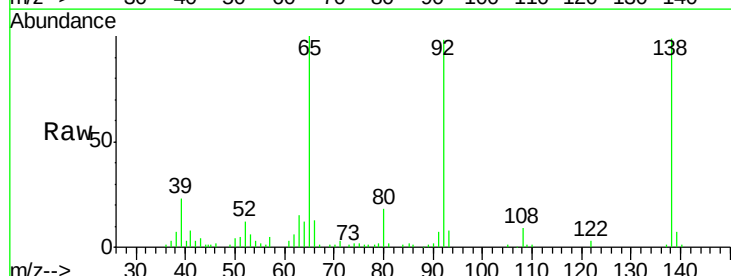
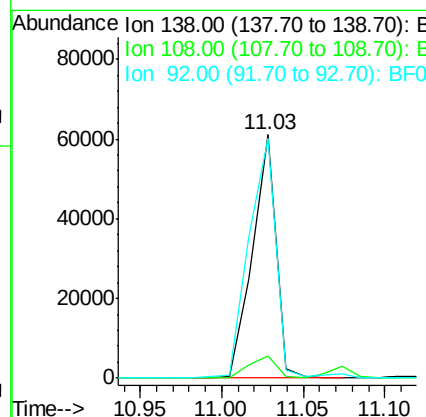
RT: 11.03 min Scan# 861

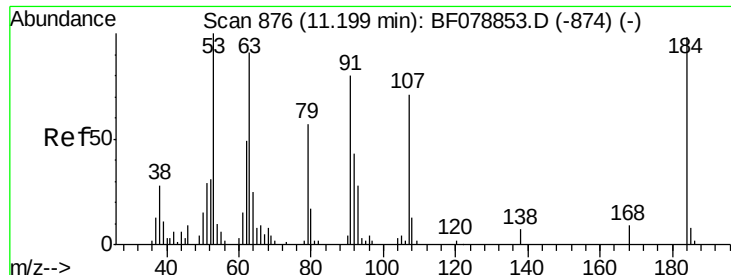
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 60986 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 8.9   | 10.6  | 16.0# |
| 92        | 98.6  | 81.8  | 122.6 |





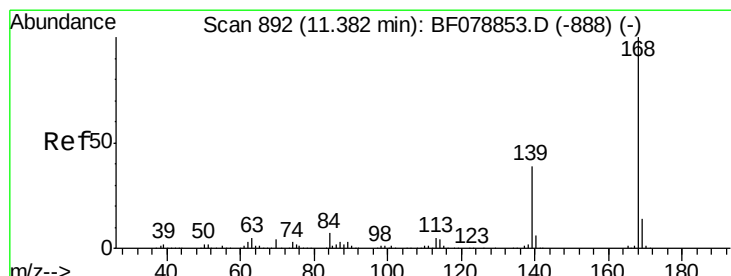
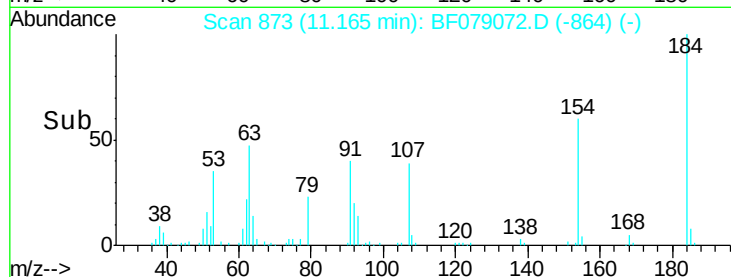
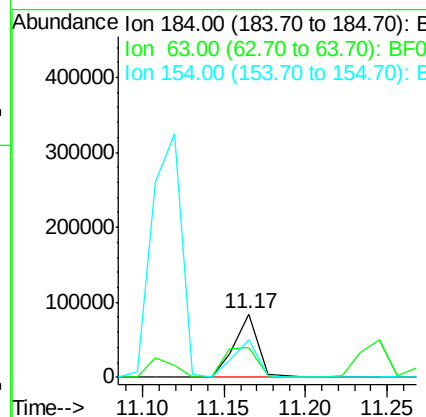
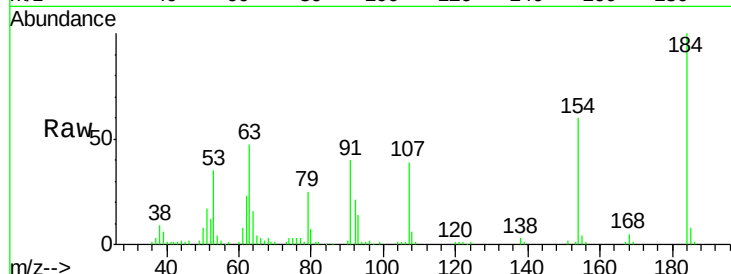
#53  
2,4-Dinitrophenol  
Concen: 86.79 ng  
RT: 11.17 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 84183 |       |       |
| 63      | 46.9  | 63.3  | 94.9# |       |
| 154     | 59.8  | 53.8  | 80.6  |       |

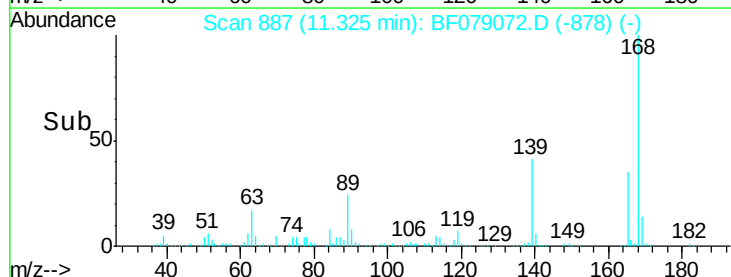
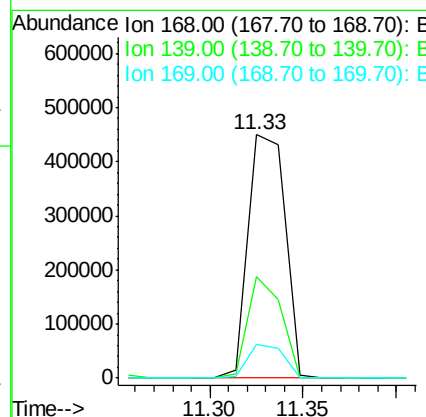
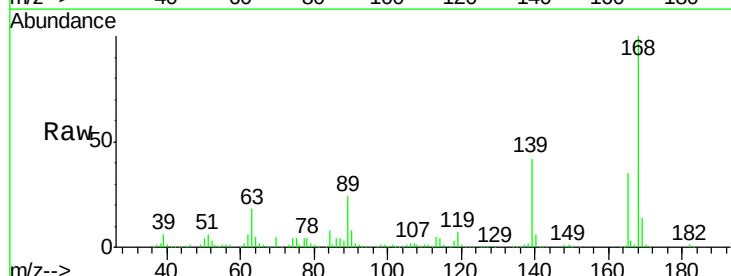
Manual Integrations  
APPROVED

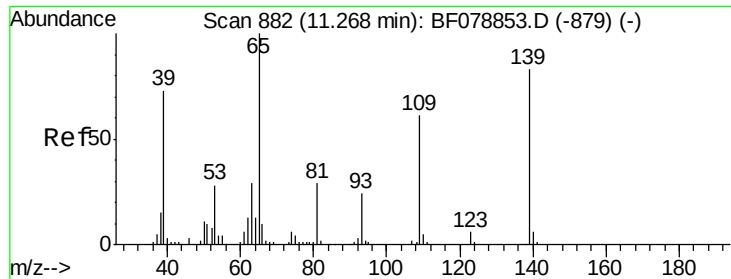
apatel  
5/12/2015 3:44:55 PM



#54  
Dibenzofuran  
Concen: 47.41 ng  
RT: 11.33 min Scan# 887  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 618556 |       |       |
| 139     | 41.8  | 31.0   | 46.4  |       |
| 169     | 13.9  | 10.6   | 16.0  |       |





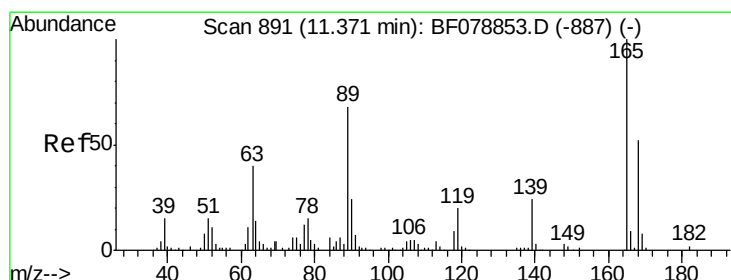
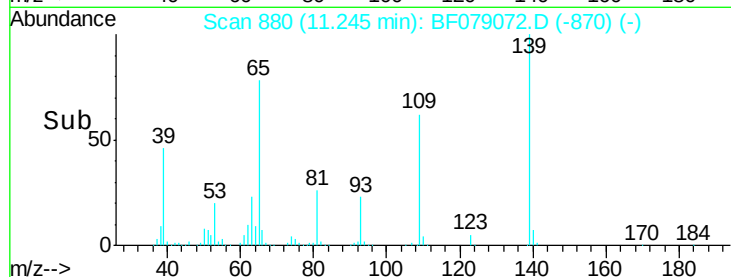
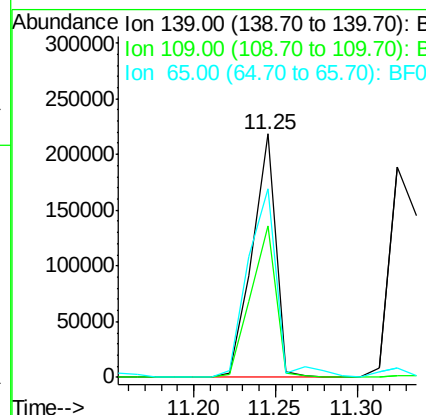
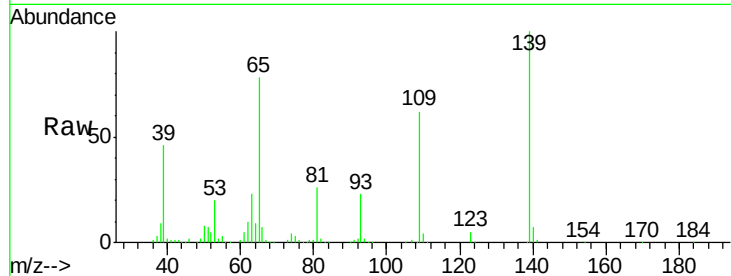
#55  
4-Nitrophenol  
Concen: 103.27 ng  
RT: 11.25 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 62.1  | 47.6 | 87.6  |       |
| 65      | 77.5  | 54.3 | 94.3  |       |

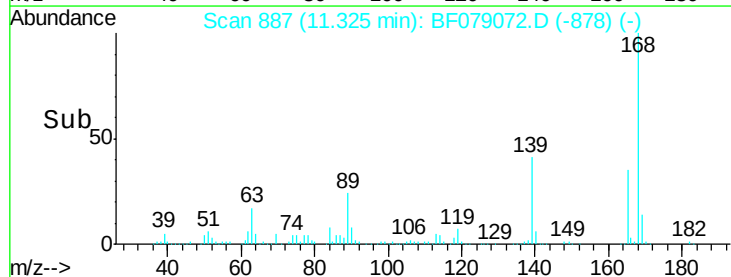
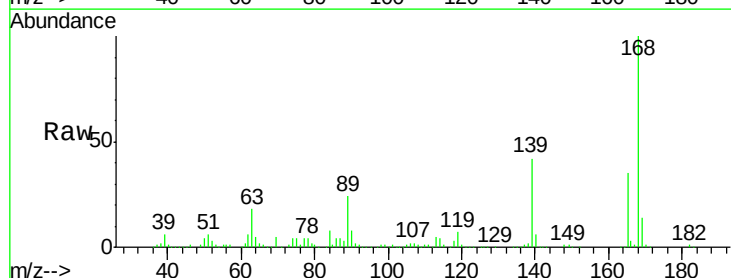
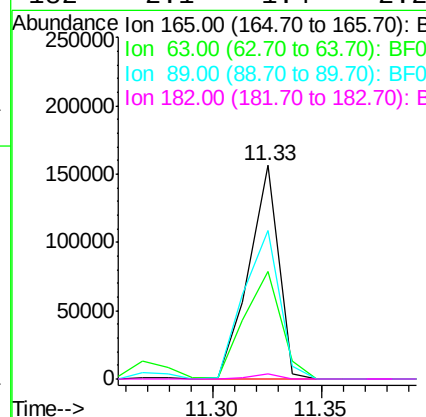
Manual Integrations  
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apatel  
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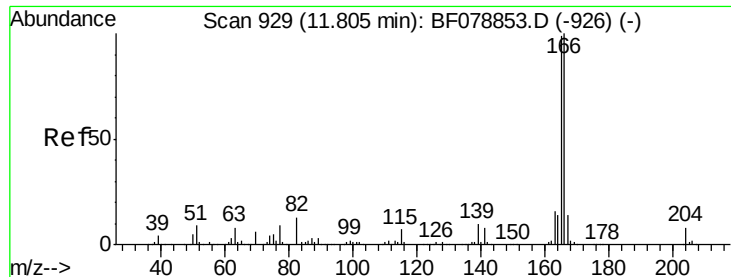


#56  
2,4-Dinitrotoluene  
Concen: 52.27 ng  
RT: 11.33 min Scan# 887  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 165     | 100   |      |        |       |
| 63      | 50.4  | 51.2 | 76.8#  |       |
| 89      | 69.8  | 82.7 | 124.1# |       |
| 182     | 2.1   | 1.4  | 2.2    |       |







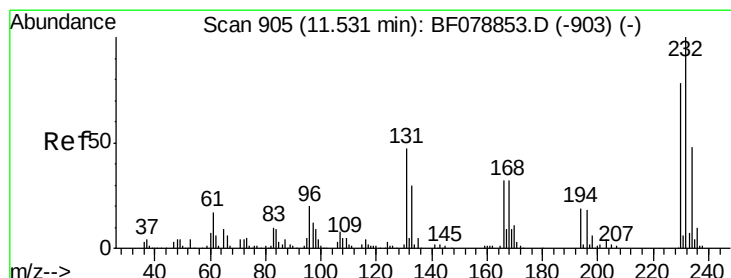
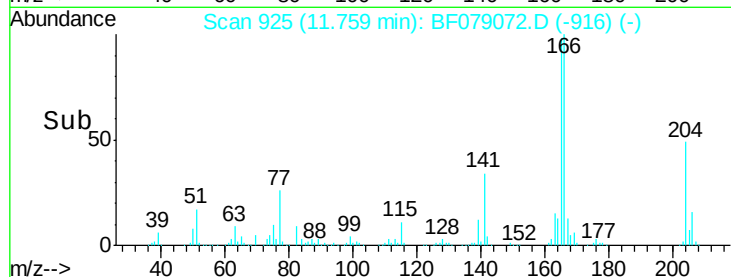
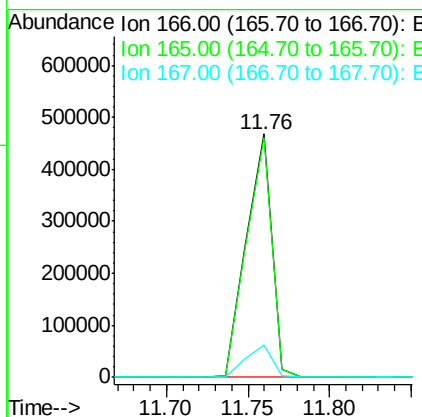
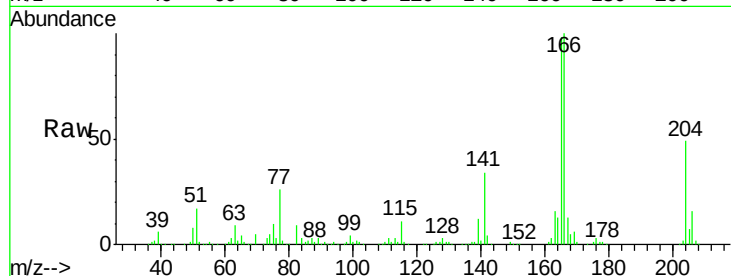
#57  
 Fluorene  
 Concen: 47.08 ng  
 RT: 11.76 min Scan# 925  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.5  | 78.5  | 117.7 |
| 167     | 13.3  | 11.0  | 16.6  |

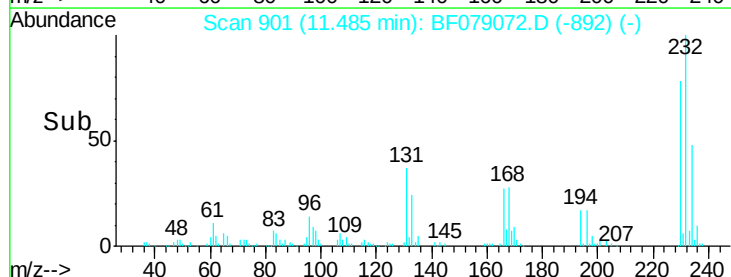
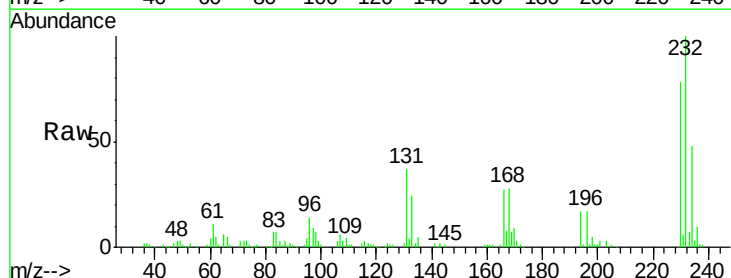
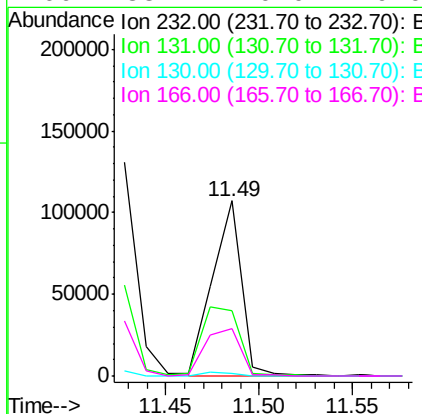
Manual Integrations  
 APPROVED

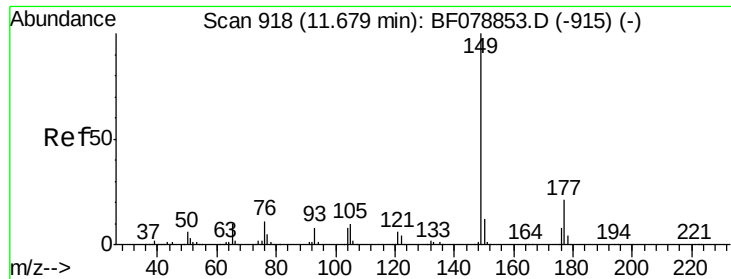
apatel  
 5/12/2015 3:44:55 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.57 ng  
 RT: 11.49 min Scan# 901  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 51.2  | 0.0   | 0.0#  |
| 130     | 2.3   | 0.0   | 0.0#  |
| 166     | 33.2  | 0.0   | 0.0#  |





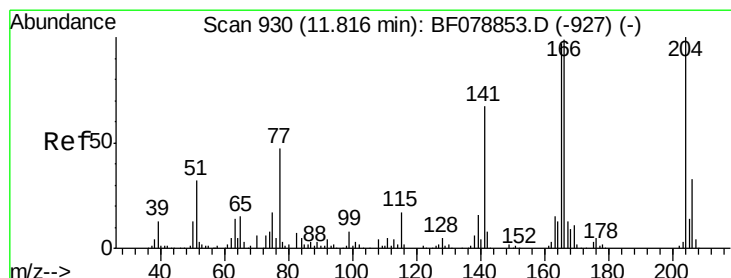
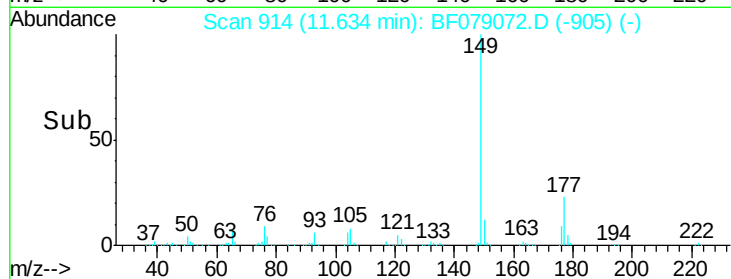
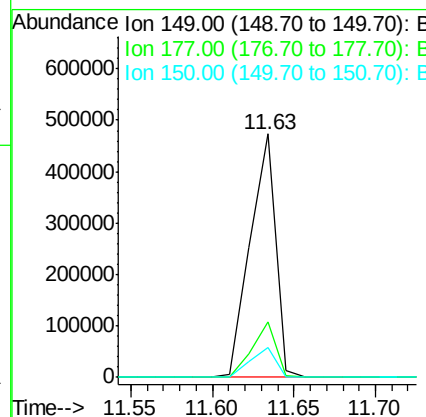
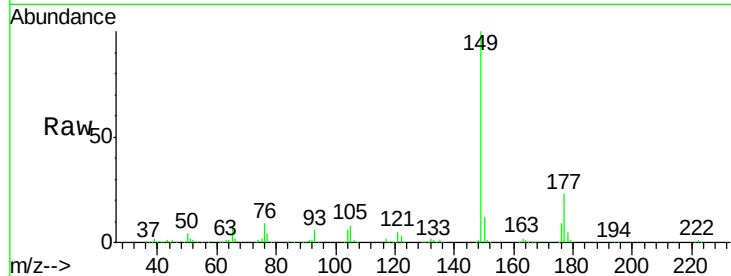
#59  
Diethylphthalate  
Concen: 47.26 ng  
RT: 11.63 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 511239 |       |       |
| 177     | 23.0  |        | 17.5  | 26.3  |
| 150     | 12.2  |        | 9.6   | 14.4  |

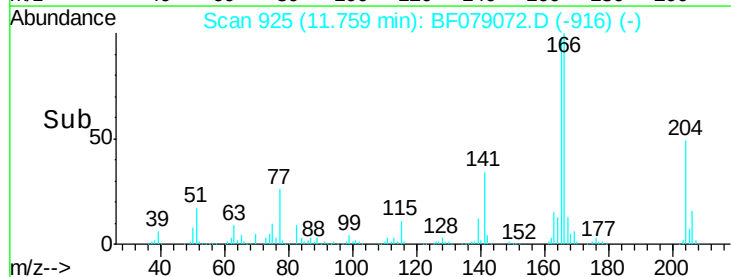
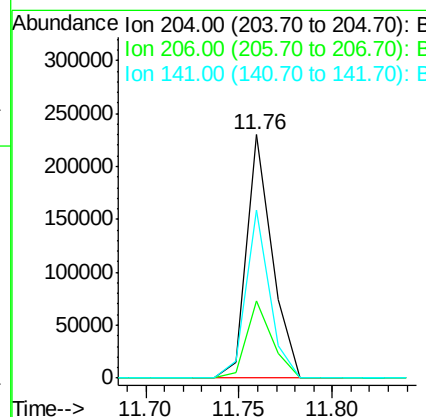
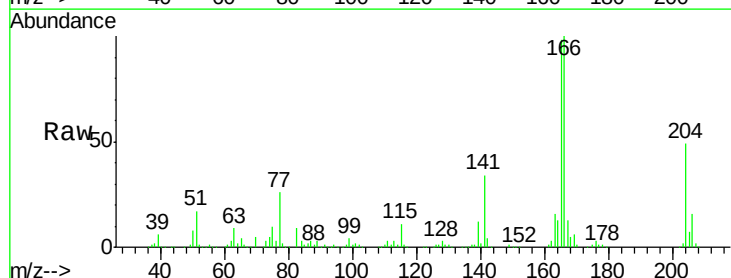
Manual Integrations  
APPROVED

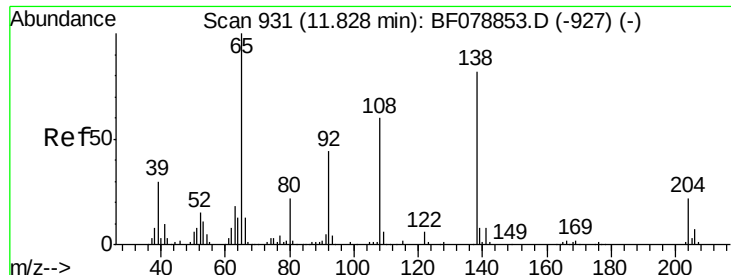
apatel  
5/12/2015 3:44:55 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 46.20 ng  
RT: 11.76 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 219486 |       |       |
| 206     | 31.8  |        | 26.9  | 40.3  |
| 141     | 69.2  |        | 48.3  | 72.5  |





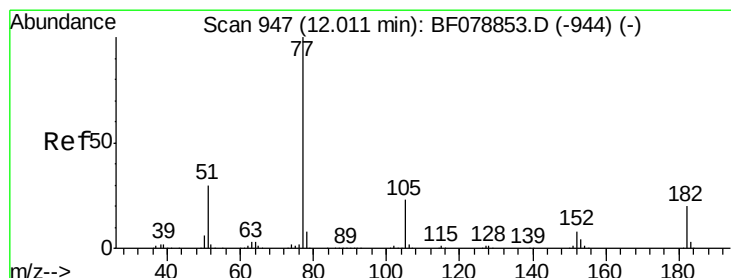
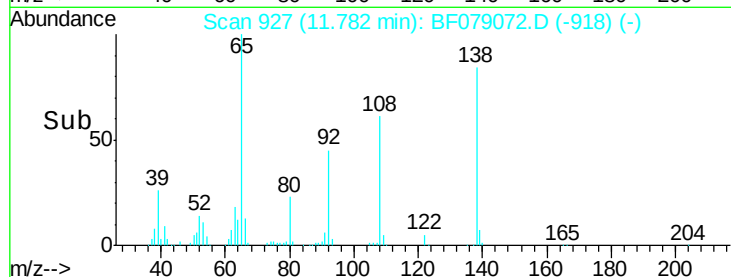
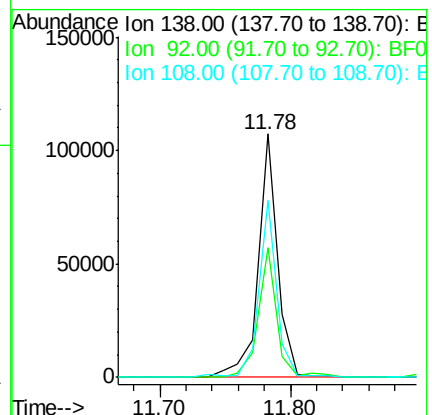
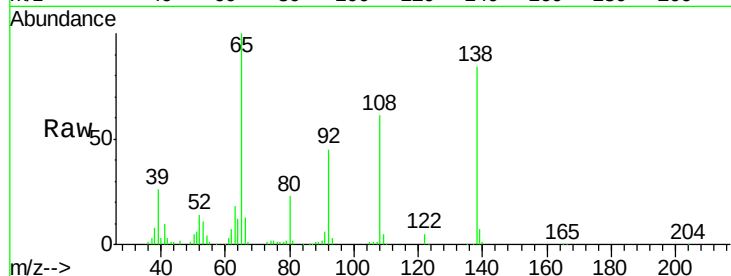
#61  
4-Nitroaniline  
Concen: 41.44 ng  
RT: 11.78 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 111590 |       |       |
| 92      | 53.1  | 28.0   | 68.0  |       |
| 108     | 72.5  | 56.3   | 96.3  |       |

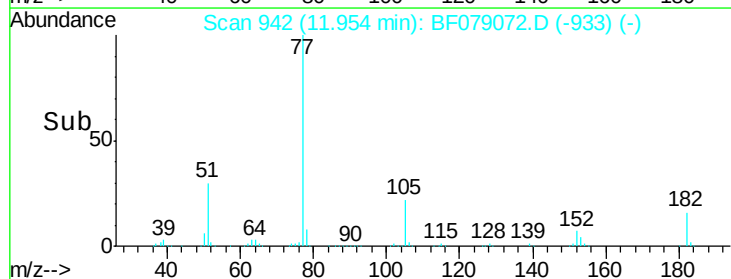
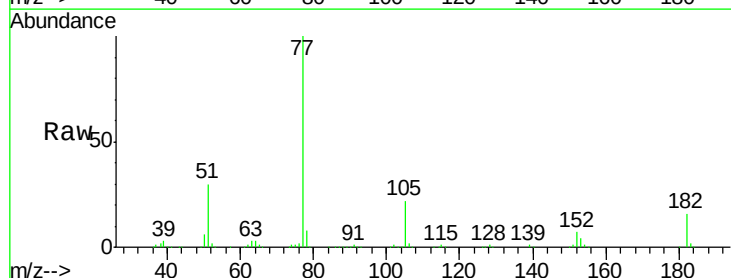
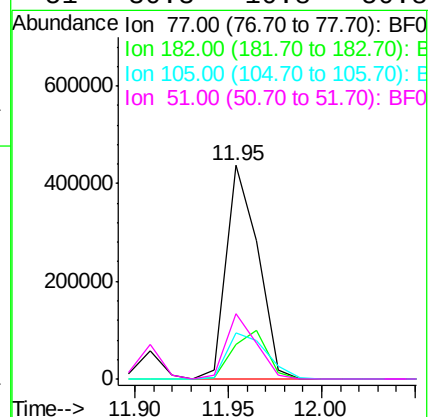
Manual Integrations  
APPROVED

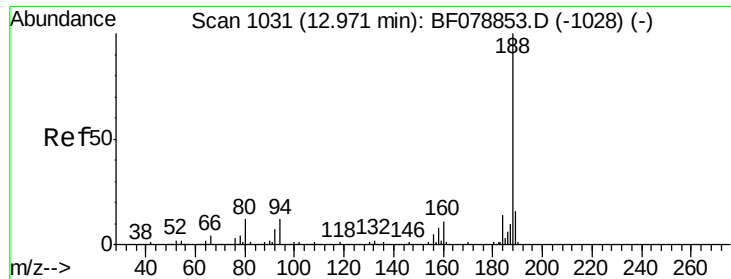
apatel  
5/12/2015 3:44:55 PM



#62  
Azobenzene  
Concen: 48.84 ng  
RT: 11.95 min Scan# 942  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 520627 |       |       |
| 182     | 16.0  | 3.8    | 43.8  |       |
| 105     | 21.7  | 3.9    | 43.9  |       |
| 51      | 30.3  | 10.8   | 50.8  |       |





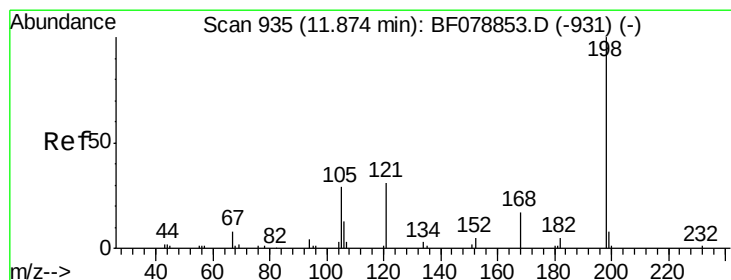
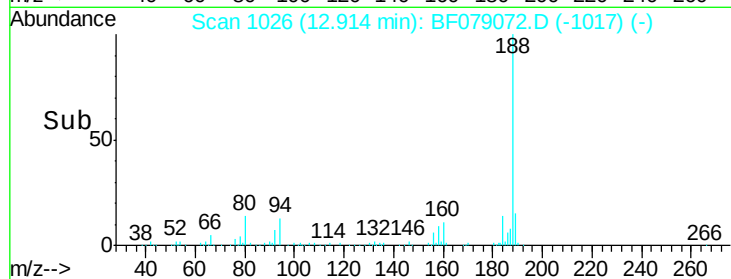
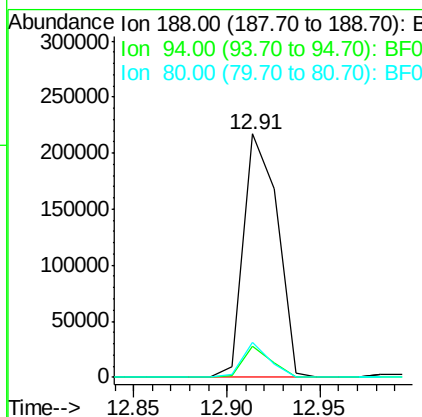
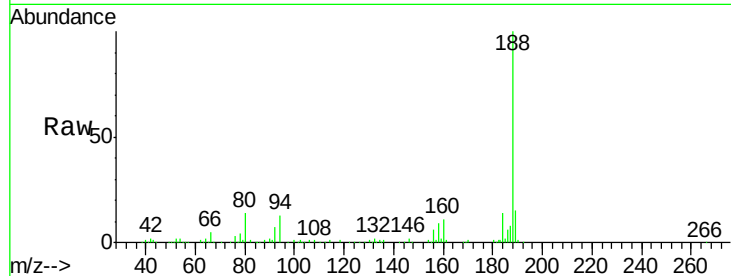
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.91 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 274195 |       |       |
| 94      | 12.7  | 8.2    | 12.2# |       |
| 80      | 14.1  | 8.9    | 13.3# |       |

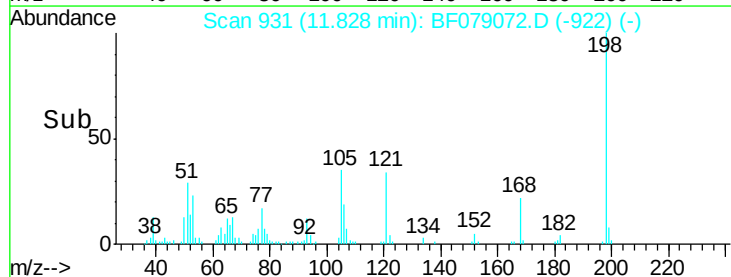
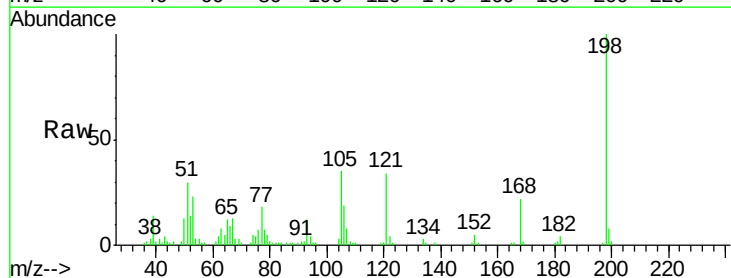
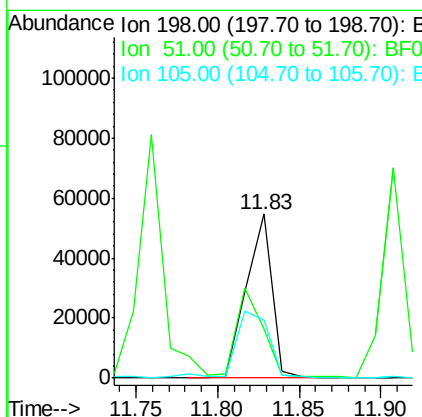
Manual Integrations  
APPROVED

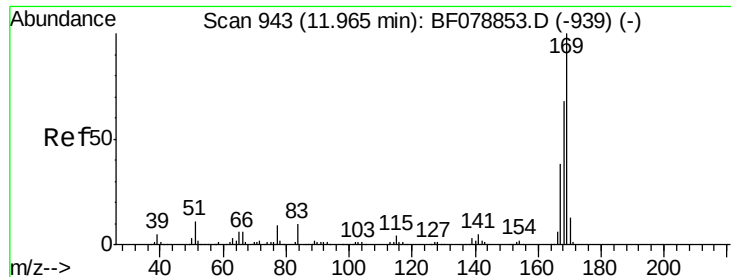
apatel  
5/12/2015 3:44:55 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 50.68 ng  
RT: 11.83 min Scan# 931  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 59281 |       |       |
| 51      | 30.2  | 47.3  | 87.3# |       |
| 105     | 35.2  | 38.8  | 78.8# |       |





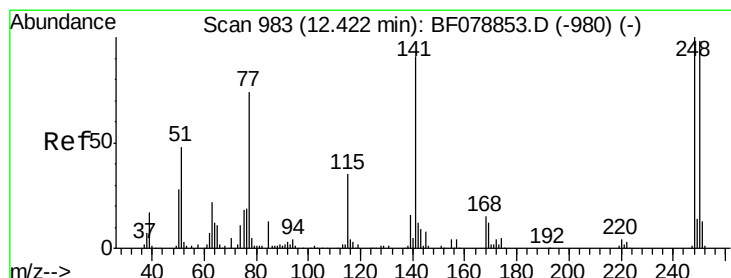
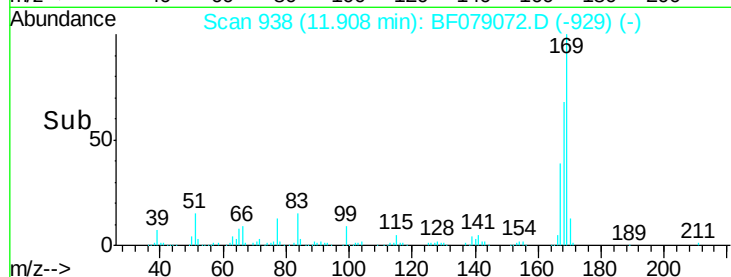
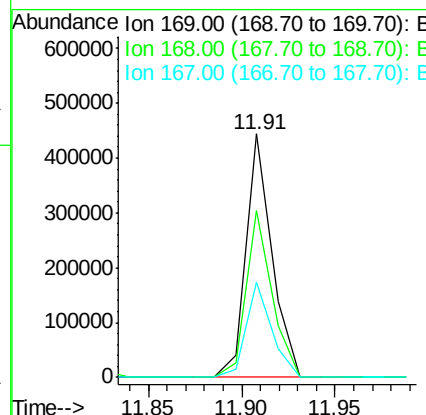
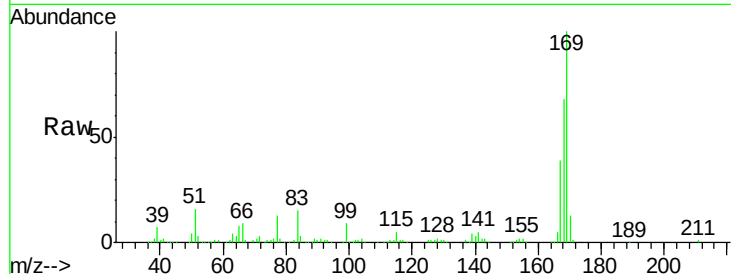
#65  
n-Nitrosodiphenylamine  
Concen: 46.95 ng  
RT: 11.91 min Scan# 938  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 68.5  | 54.6 | 82.0  |       |
| 167     | 38.8  | 30.6 | 45.8  |       |

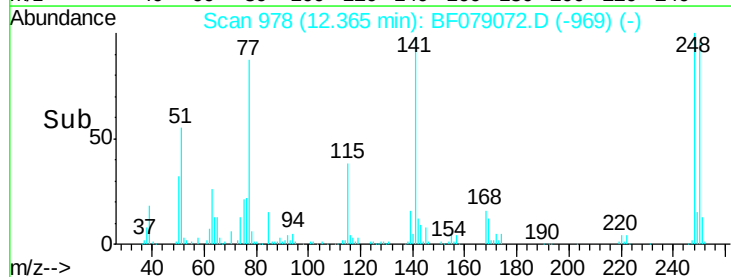
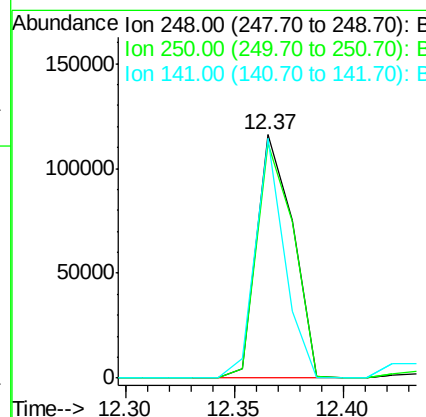
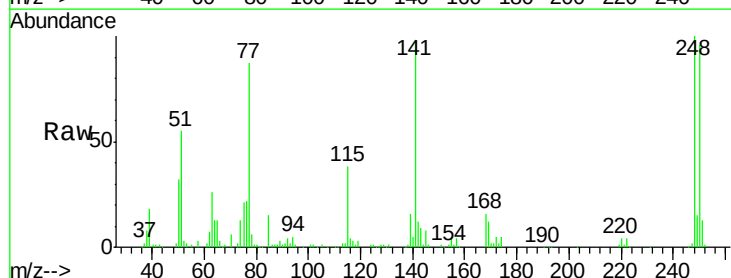
Manual Integrations  
APPROVED

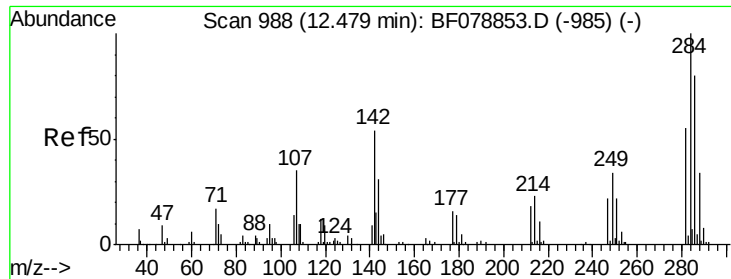
apatel  
5/12/2015 3:44:55 PM



#66  
4-Bromophenyl-phenylether  
Concen: 47.21 ng  
RT: 12.37 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 96.3  | 77.1 | 115.7 |       |
| 141     | 98.4  | 58.8 | 88.2  |       |





#67

Hexachlorobenzene

Concen: 48.91 ng

RT: 12.43 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

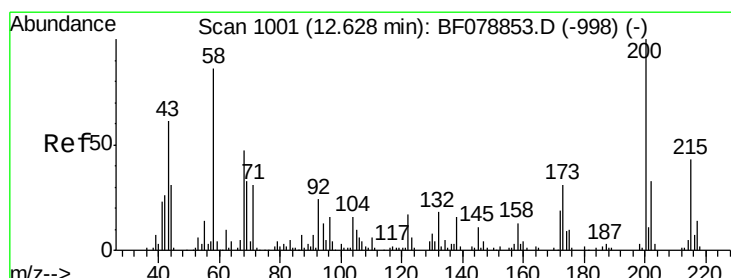
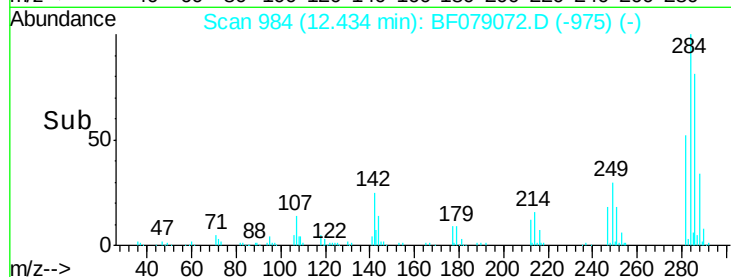
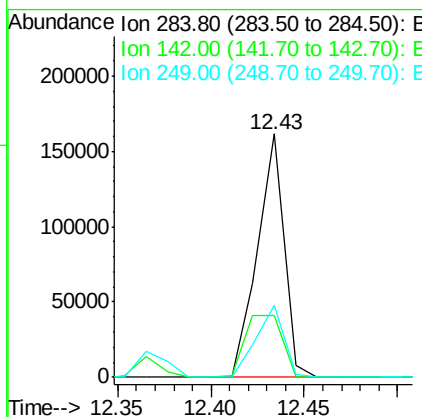
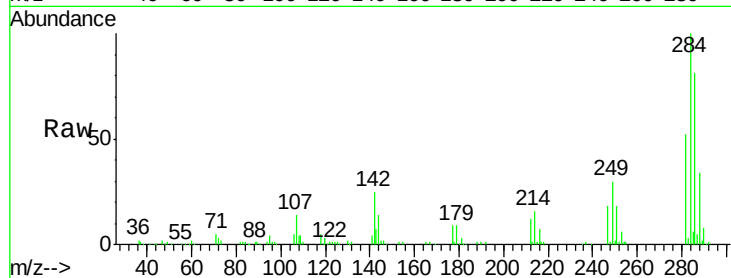
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 159768 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 25.5  | 35.2  | 52.8#  |
| 249       | 29.6  | 25.4  | 38.2   |

Manual Integrations  
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apatel  
5/12/2015 3:44:55 PM



#68

Atrazine

Concen: 50.29 ng

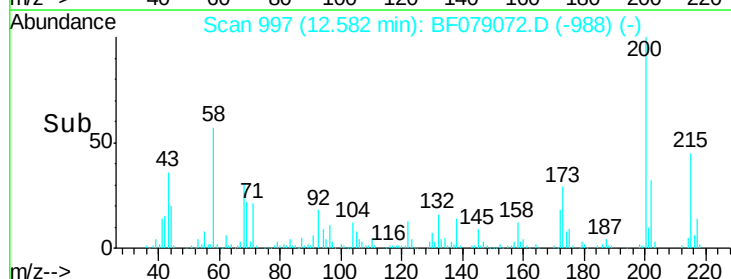
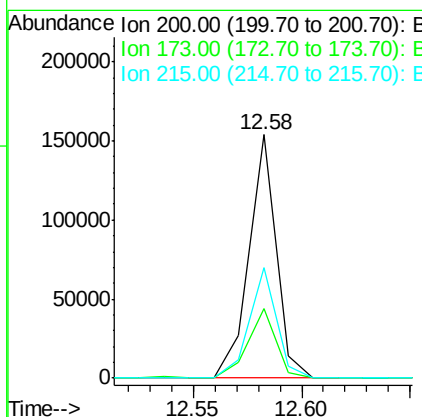
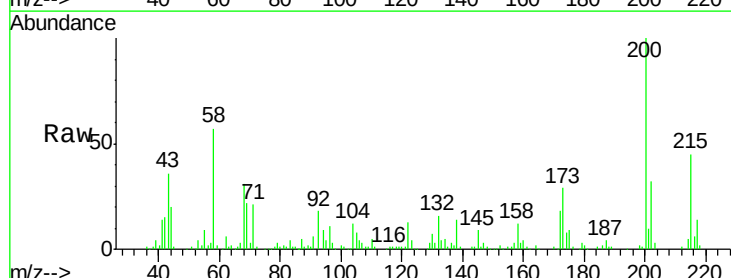
RT: 12.58 min Scan# 997

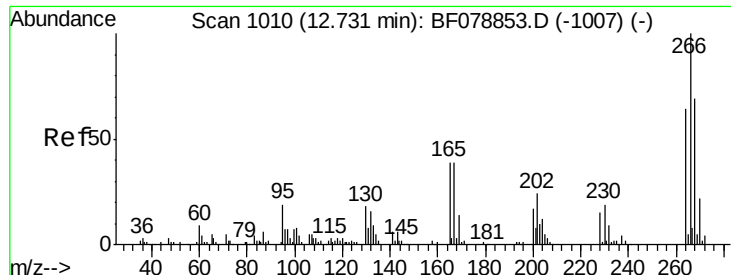
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 133532 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.8  | 8.1   | 48.1   |
| 215       | 45.4  | 22.9  | 62.9   |





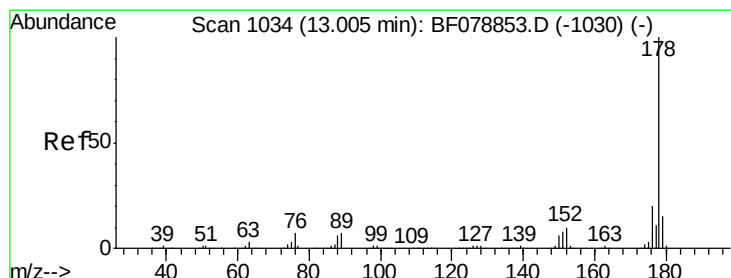
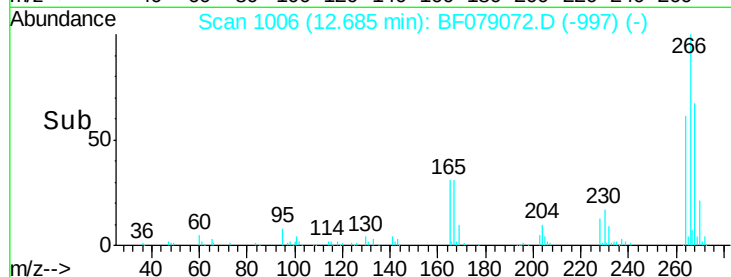
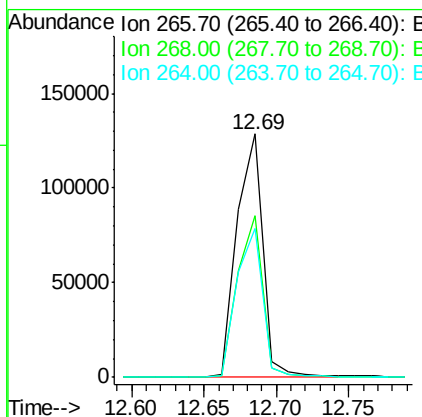
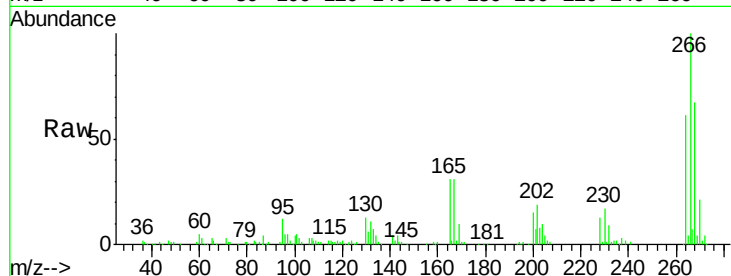
#69  
 Pentachlorophenol  
 Concen: 83.30 ng  
 RT: 12.69 min Scan# 1006  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 159788 |       |       |
| 268     | 66.6  | 55.0   | 82.6  |       |
| 264     | 61.1  | 48.2   | 72.2  |       |

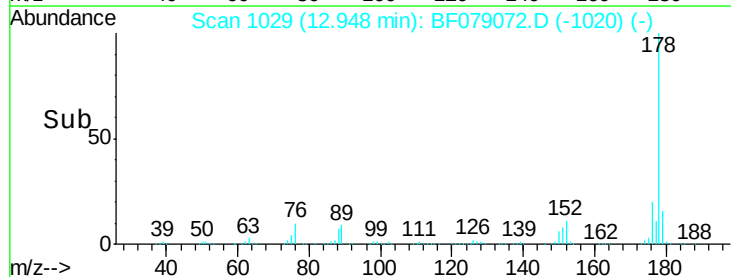
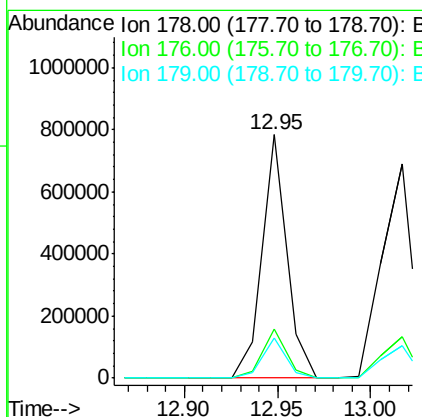
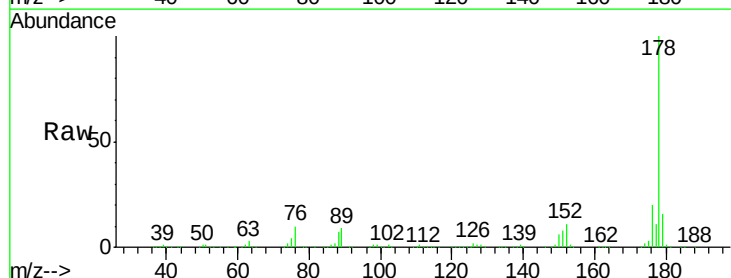
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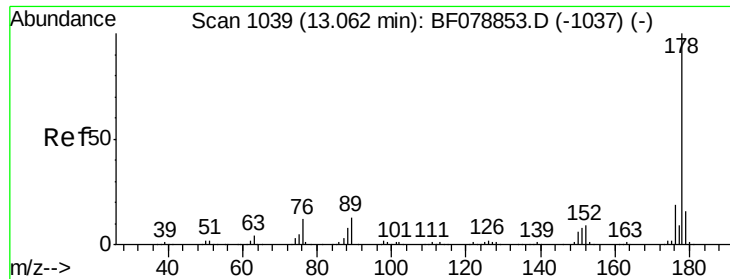
apatel  
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#70  
 Phenanthrene  
 Concen: 46.74 ng  
 RT: 12.95 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 716945 |       |       |
| 176     | 20.2  | 15.8   | 23.8  |       |
| 179     | 16.3  | 12.5   | 18.7  |       |





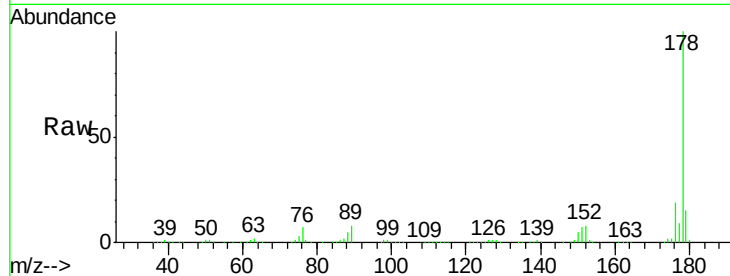
#71  
 Anthracene  
 Concen: 49.58 ng  
 RT: 13.02 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

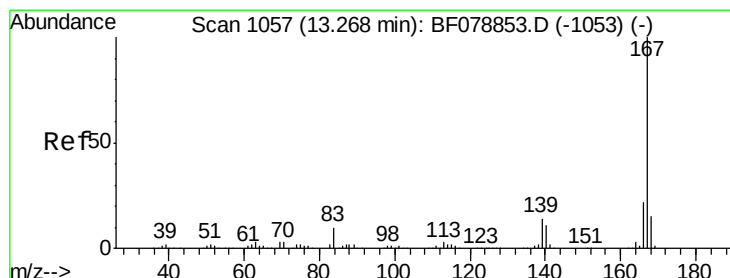
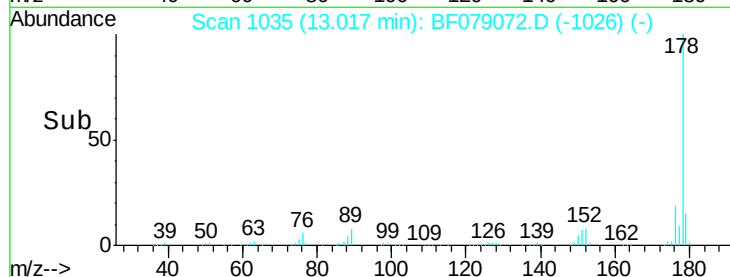
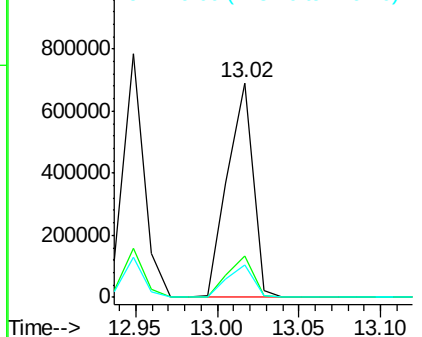
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.5  | 23.3  |
| 179     | 15.2  | 12.7  | 19.1  |

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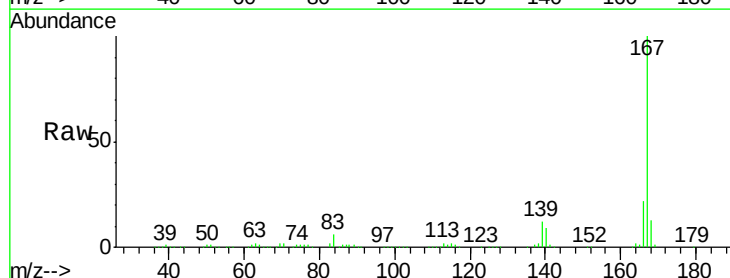


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

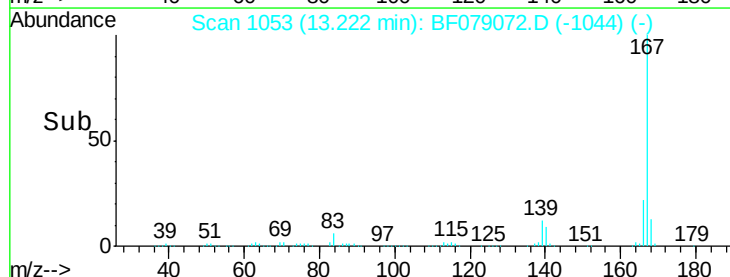
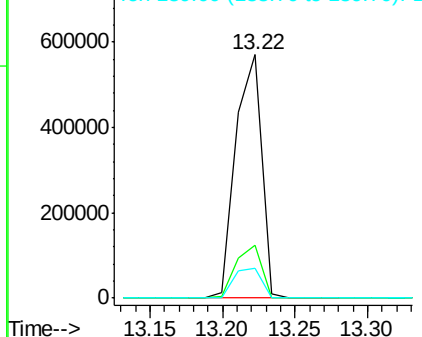


#72  
 Carbazole  
 Concen: 49.46 ng  
 RT: 13.22 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

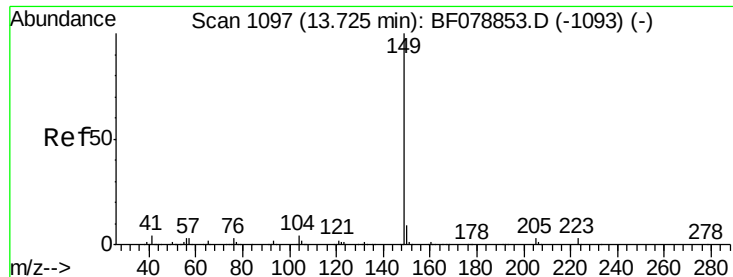
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.8  | 17.8  | 26.8  |
| 139     | 12.3  | 10.6  | 16.0  |



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 49.93 ng

RT: 13.67 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

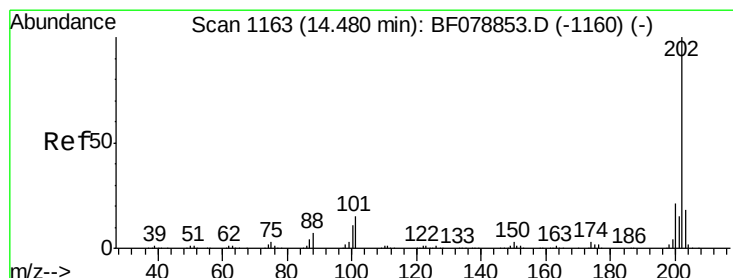
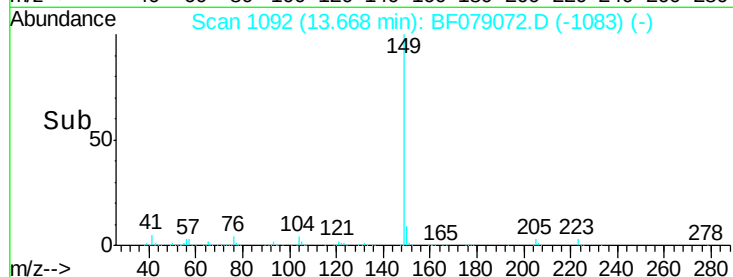
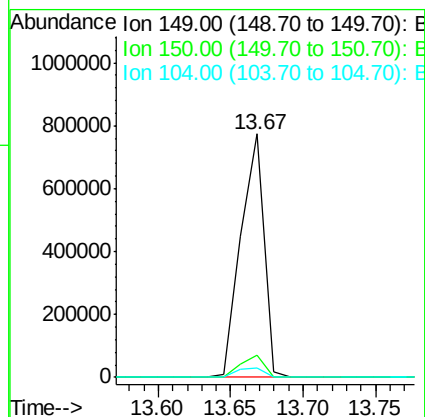
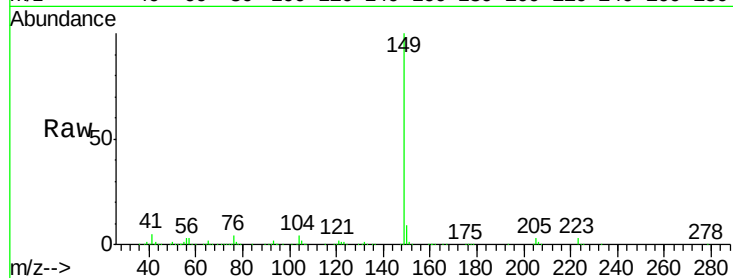
ClientSampleId :

TU012-SB-16-3.5MSD

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 858783 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.2   | 7.7   | 11.5   |
| 104       | 4.1   | 4.6   | 7.0#   |



#74

Fluoranthene

Concen: 47.88 ng

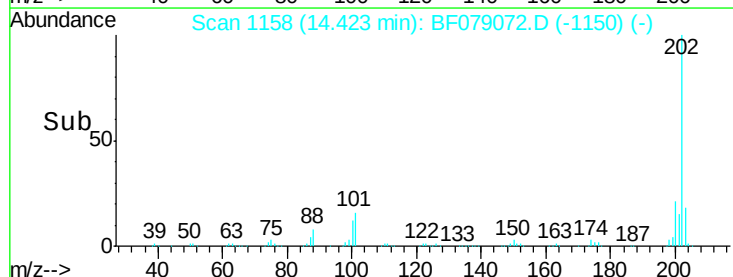
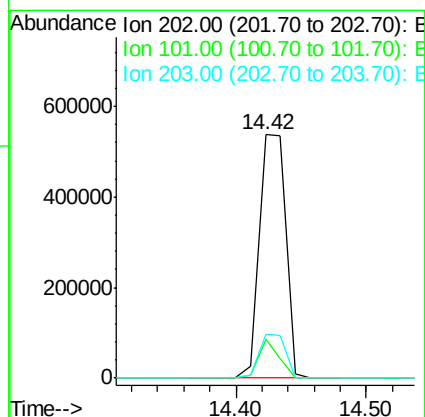
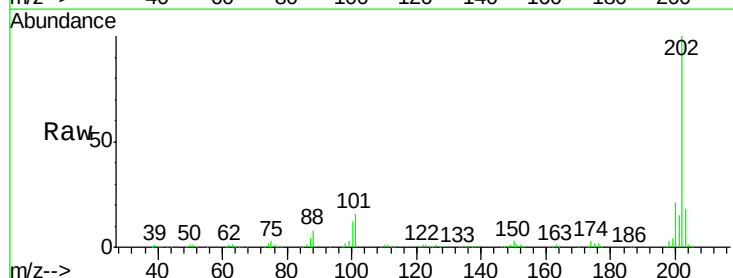
RT: 14.42 min Scan# 1158

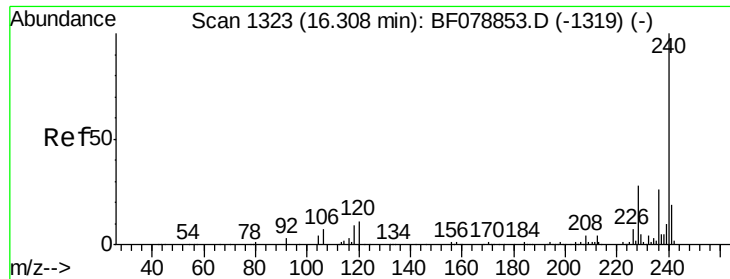
Delta R.T. -0.01 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 765363 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 15.8  | 0.0   | 34.6   |
| 203       | 18.3  | 0.0   | 38.4   |





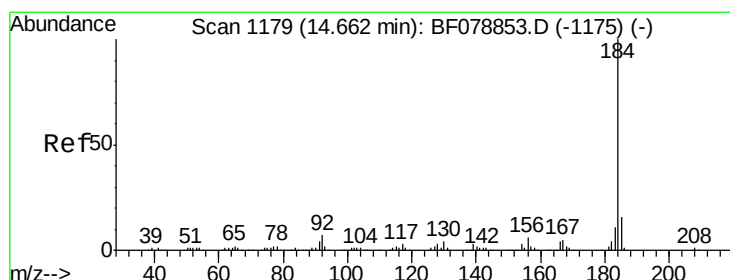
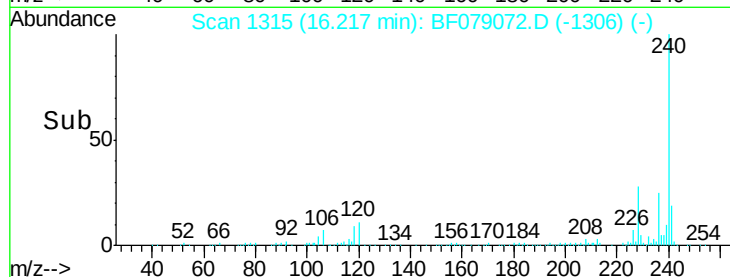
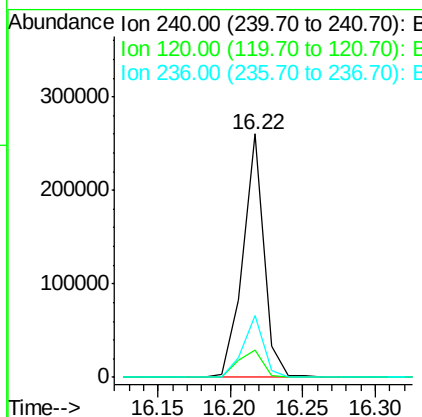
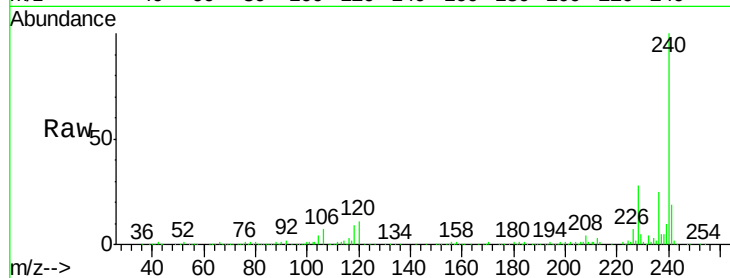
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.22 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 9.7   | 14.5  |
| 236     | 25.5  | 20.2  | 30.4  |

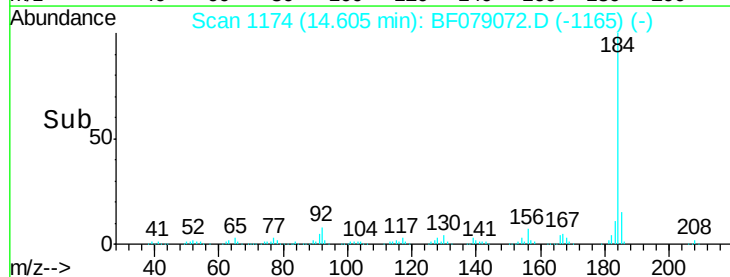
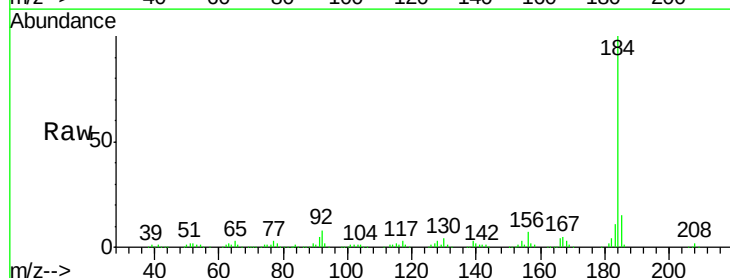
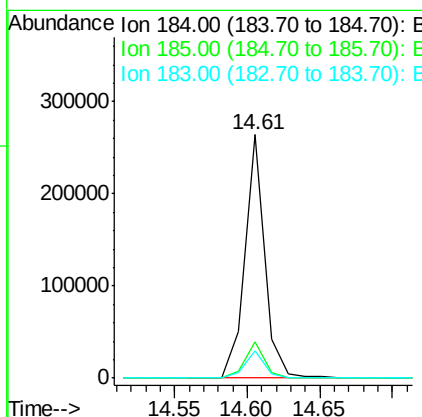
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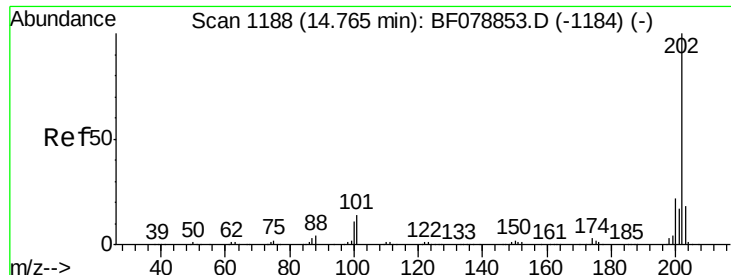
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5/12/2015 3:44:55 PM



#76  
Benzidine  
Concen: 35.69 ng  
RT: 14.61 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.8  | 12.3  | 18.5  |
| 183     | 11.0  | 8.4   | 12.6  |





#77

Pvrene

Concen: 52.05 ng

RT: 14.71 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

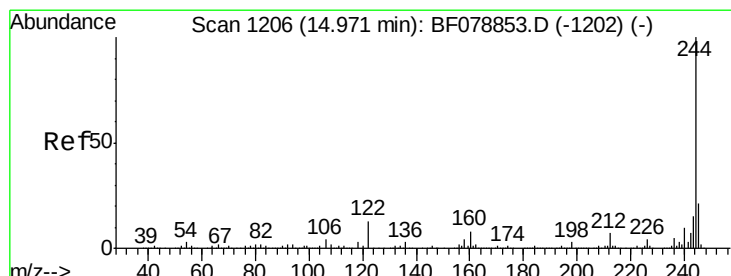
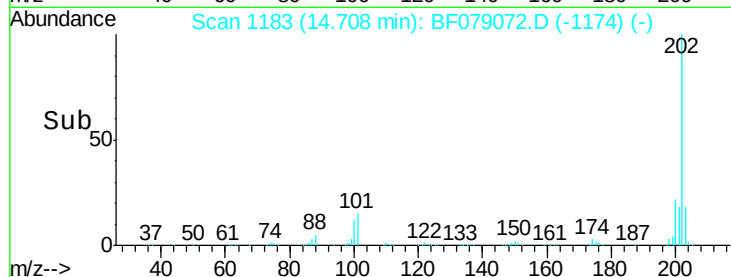
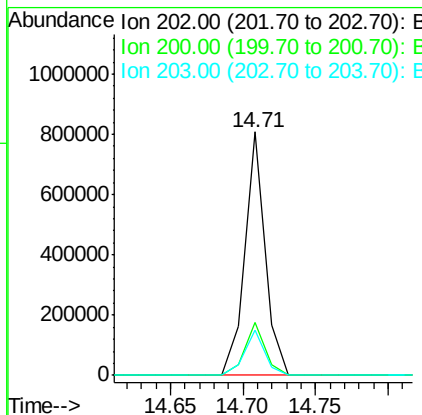
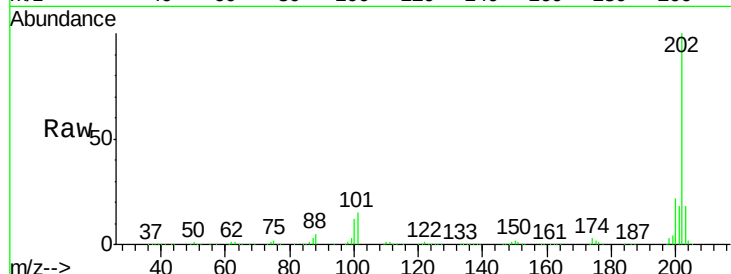
ClientSampleId :

TU012-SB-16-3.5MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 786106 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.9 | 17.5  | 26.3   |
| 203       | 18.4 | 13.9  | 20.9   |

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#78

Terphenyl-d14

Concen: 92.57 ng

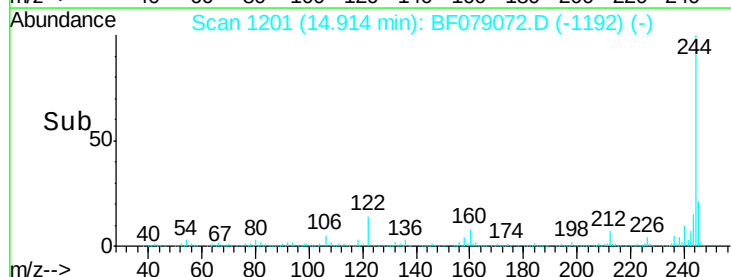
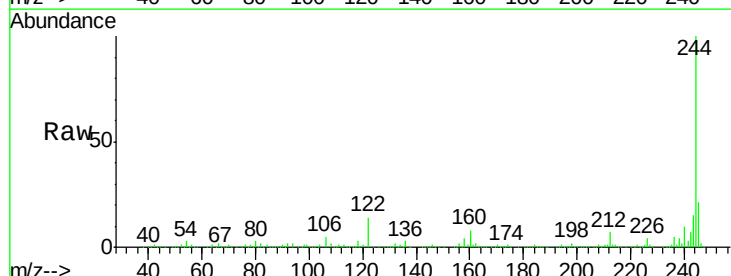
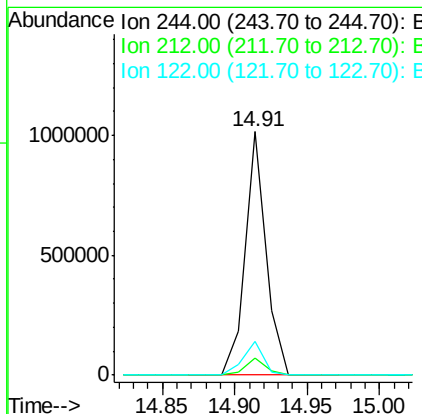
RT: 14.91 min Scan# 1201

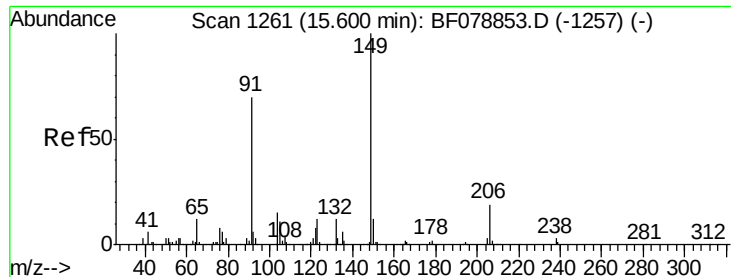
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 244  | Resp: | 1013364 |
| Ion Ratio |      | Lower | Upper   |
| 244       | 100  |       |         |
| 212       | 7.0  | 5.6   | 8.4     |
| 122       | 13.8 | 10.3  | 15.5    |





#79

Butylbenzylphthalate

Concen: 55.46 ng

RT: 15.53 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

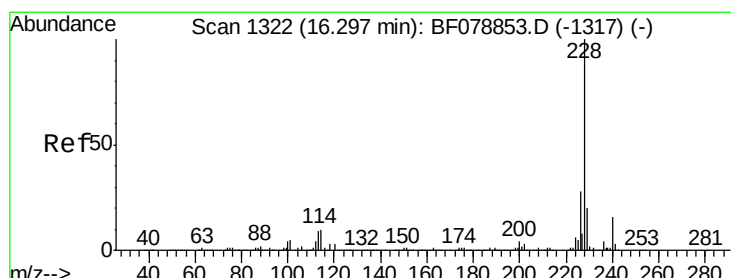
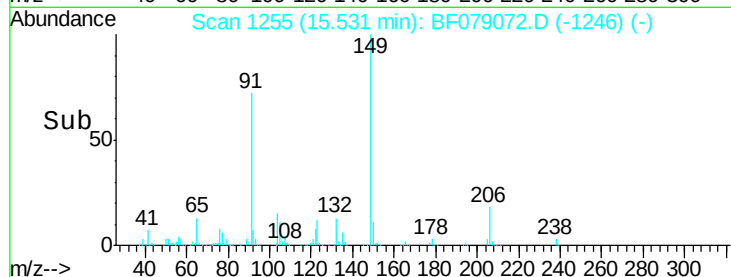
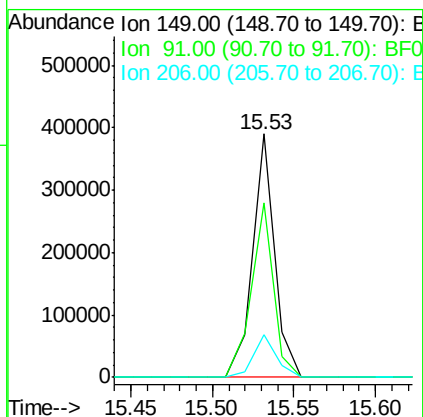
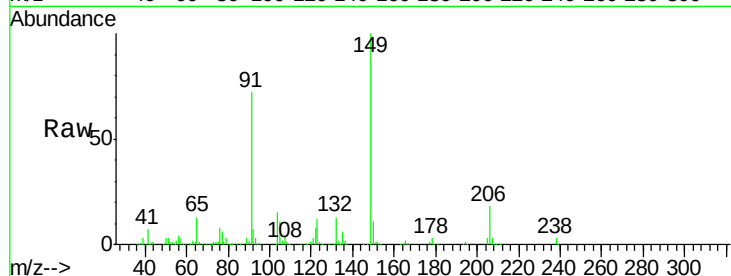
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 366156 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 71.8  | 64.6  | 97.0   |
| 206       | 17.8  | 12.2  | 18.4   |

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#80

Benzo(a)anthracene

Concen: 49.78 ng

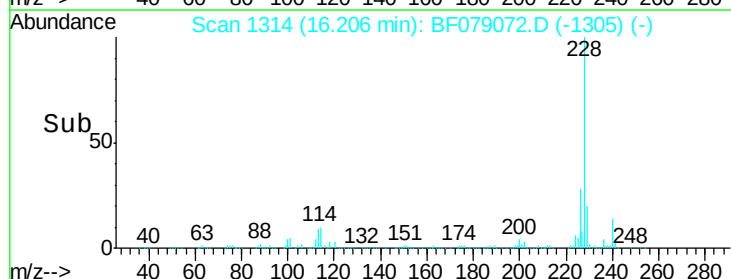
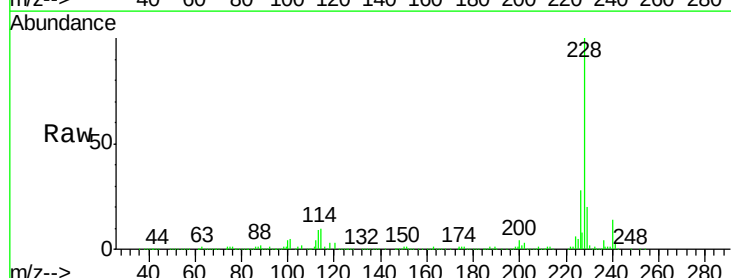
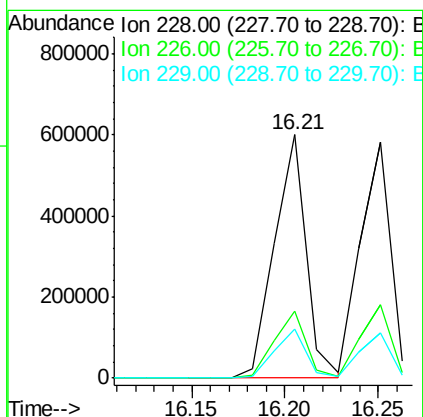
RT: 16.21 min Scan# 1314

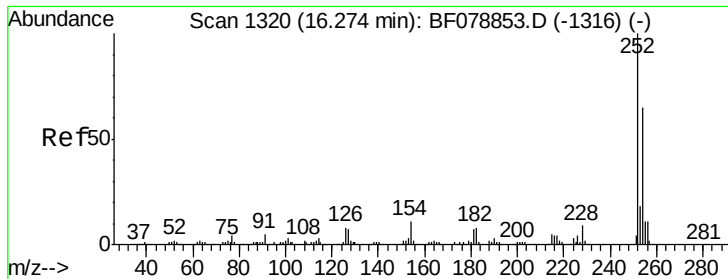
Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 714411 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.7  | 22.6  | 33.8   |
| 229       | 20.0  | 15.9  | 23.9   |





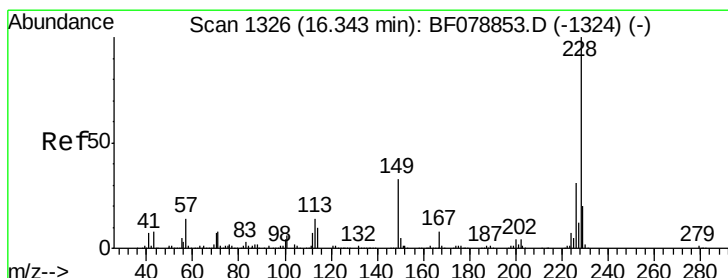
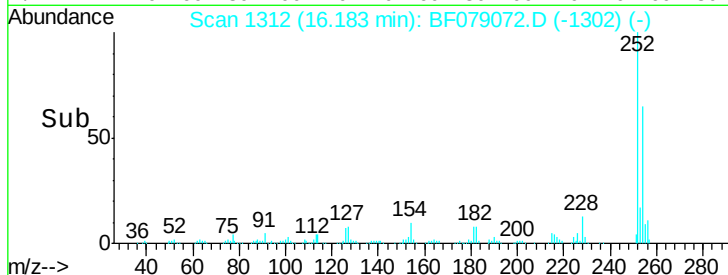
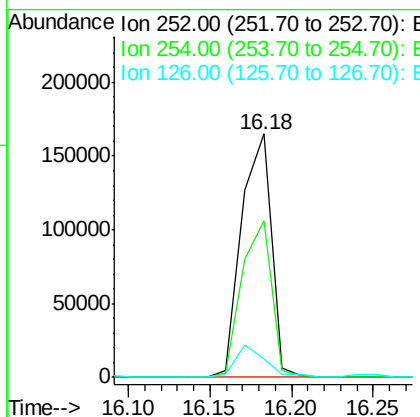
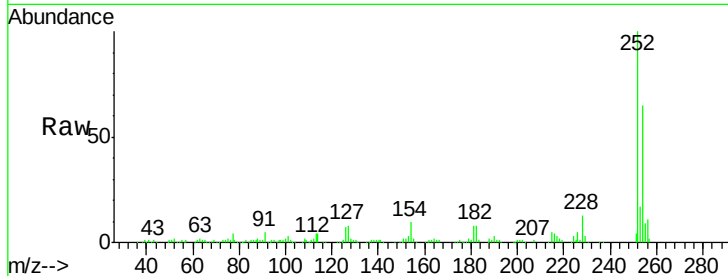
#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.89 ng  
 RT: 16.18 min Scan# 1312  
 Delta R.T. 0.01 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 209027 |       |       |
| 254     | 64.5  | 51.3   | 76.9  |       |
| 126     | 7.4   | 6.6    | 10.0  |       |

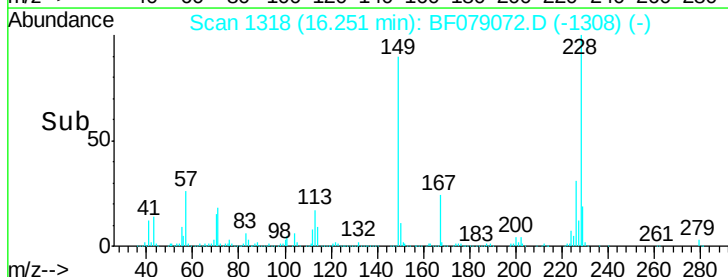
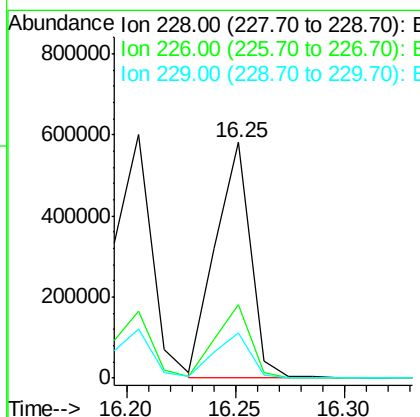
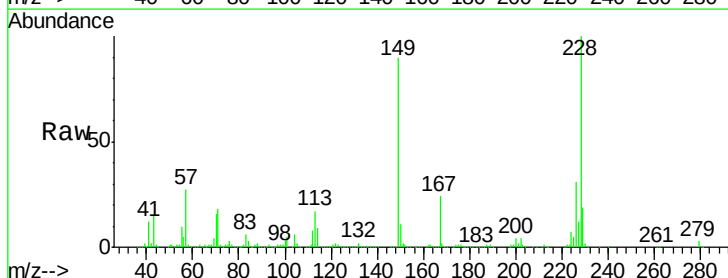
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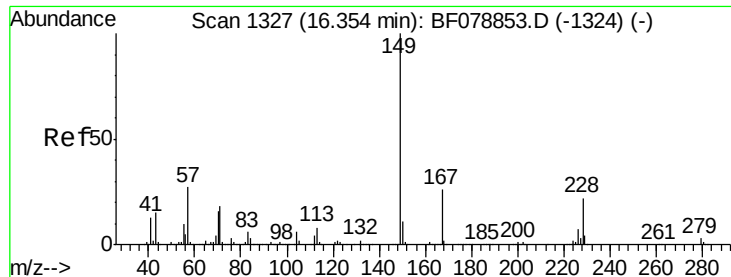
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#82  
 Chrysene  
 Concen: 46.88 ng  
 RT: 16.25 min Scan# 1318  
 Delta R.T. 0.01 min  
 Lab File: BF079072.D  
 Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 647143 |       |       |
| 226     | 31.1  | 24.9   | 37.3  |       |
| 229     | 19.5  | 16.0   | 24.0  |       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.48 ng

RT: 16.25 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

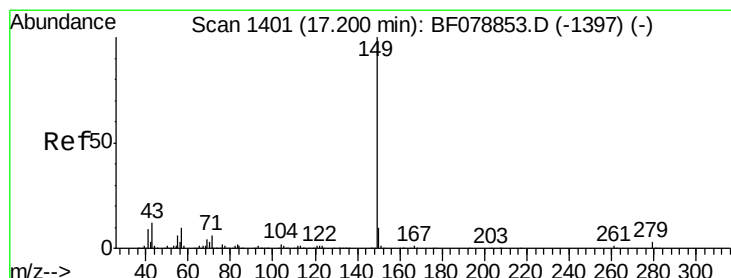
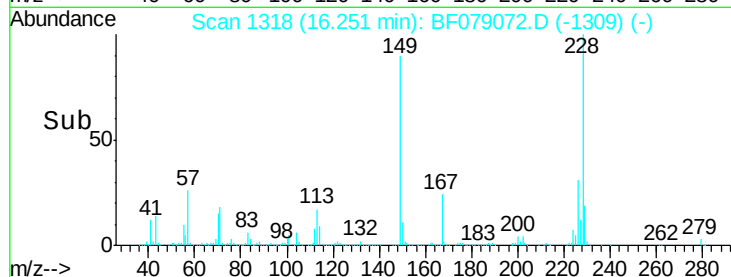
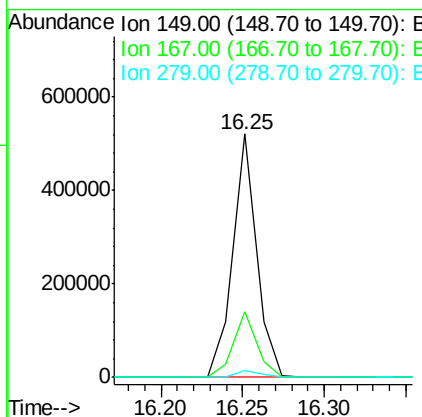
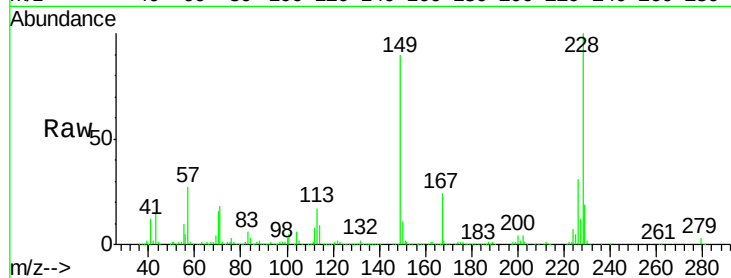
ClientSampleId :

TU012-SB-16-3.5MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 524719 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 26.8 | 21.8  | 32.8   |
| 279       | 2.8  | 2.9   | 4.3#   |

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#84

Di-n-octyl phthalate

Concen: 52.68 ng

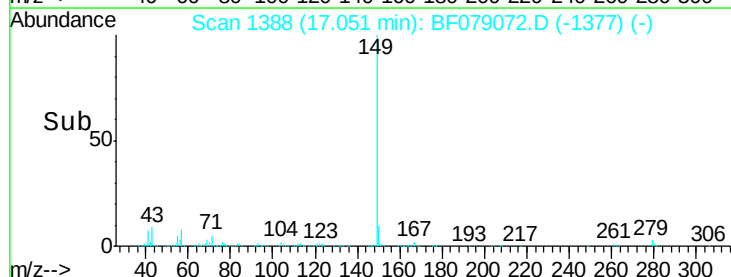
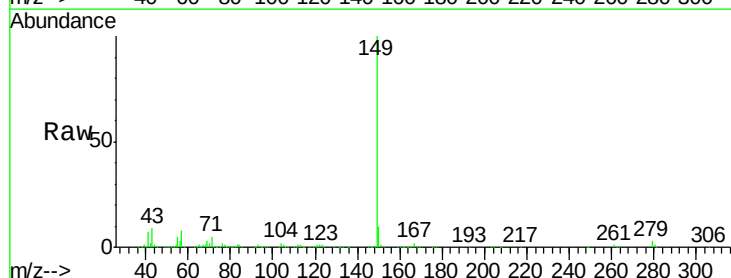
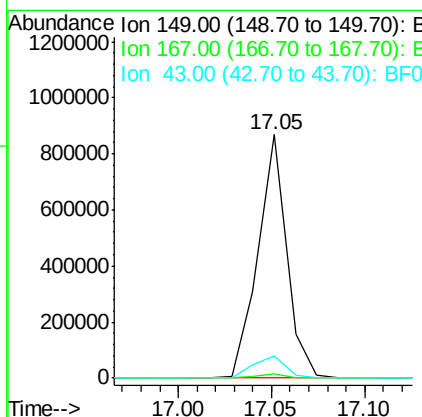
RT: 17.05 min Scan# 1388

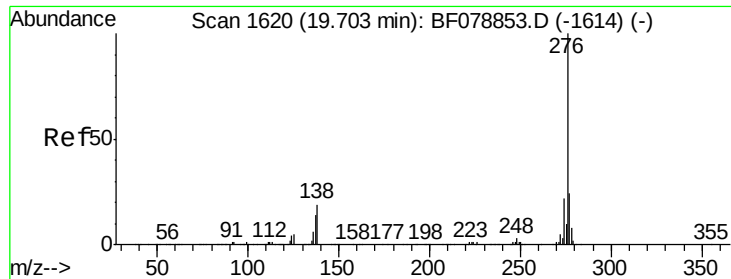
Delta R.T. 0.02 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 927756 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 1.5  | 0.0   | 0.0#   |
| 43        | 10.3 | 0.0   | 0.0#   |





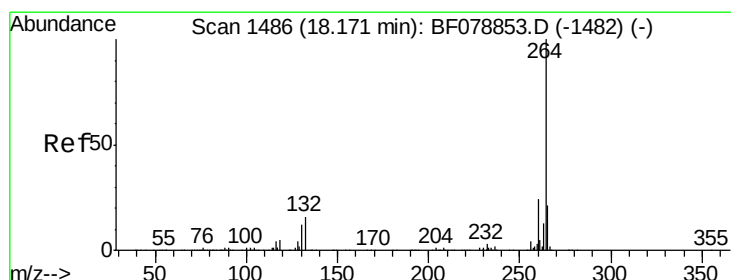
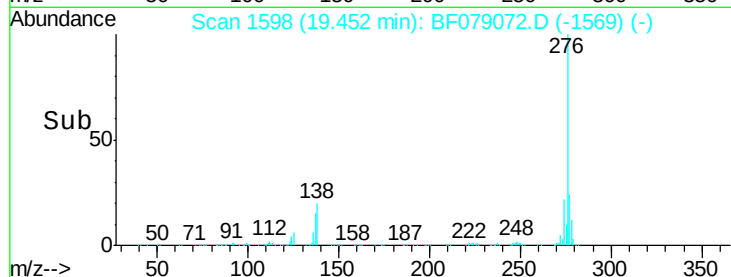
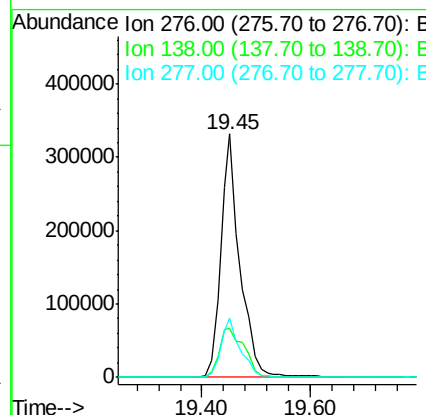
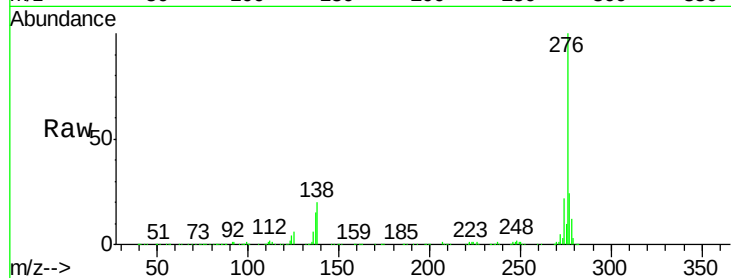
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 46.44 ng  
RT: 19.45 min Scan# 1598  
Delta R.T. 0.03 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 138     | 27.0  | 0.0  | 0.0   | 0.0   |
| 277     | 25.0  | 0.0  | 0.0   | 0.0   |

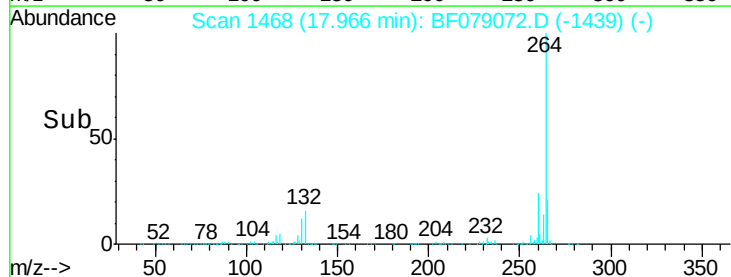
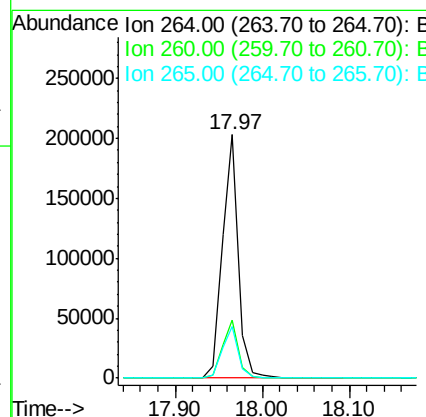
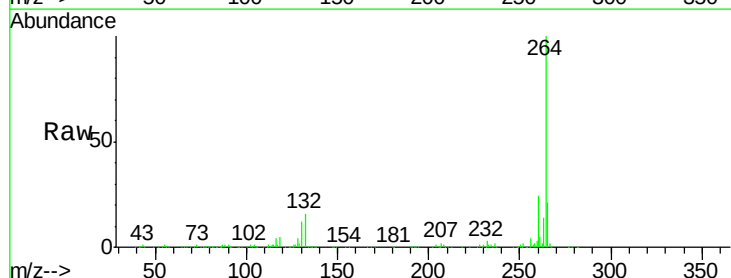
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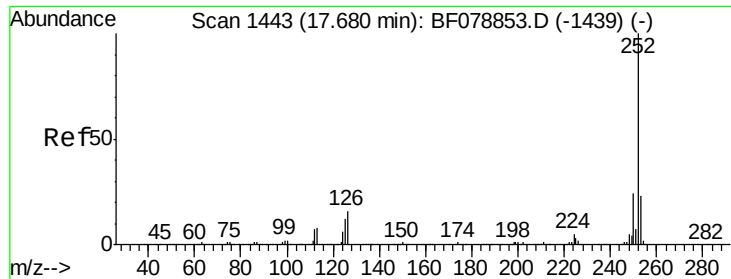
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.97 min Scan# 1468  
Delta R.T. 0.03 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 24.0  | 19.4 | 29.2  |       |
| 265     | 21.3  | 18.3 | 27.5  |       |





#87

Benzo(b)fluoranthene

Concen: 53.36 ng

RT: 17.51 min Scan# 1428

Delta R.T. 0.02 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

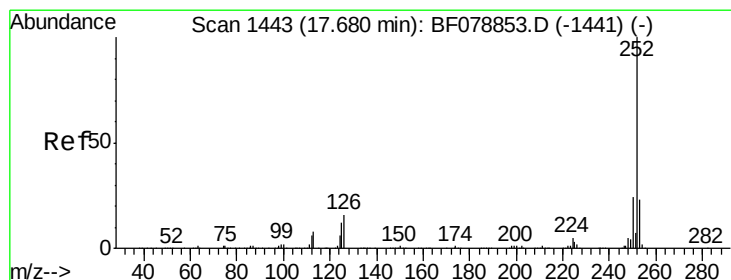
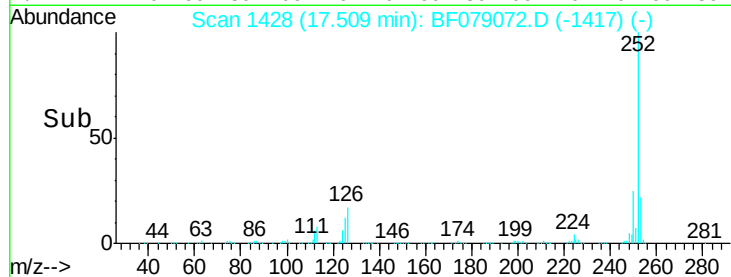
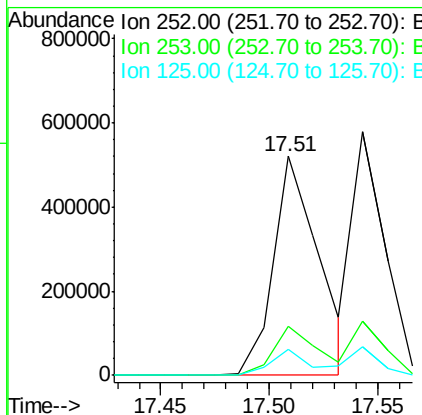
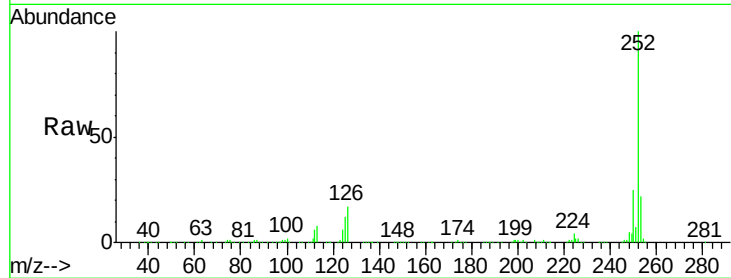
ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 759625 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.7  | 26.5   |
| 125       | 12.0  | 9.5   | 14.3   |

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#88

Benzo(k)fluoranthene

Concen: 43.82 ng

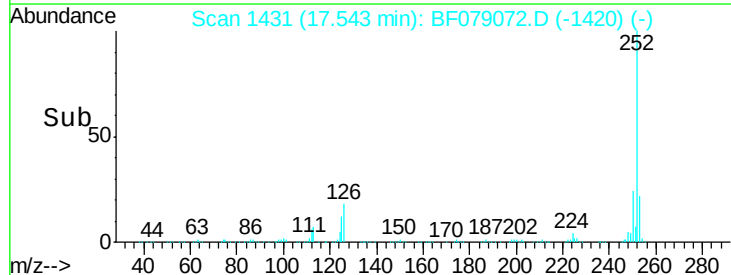
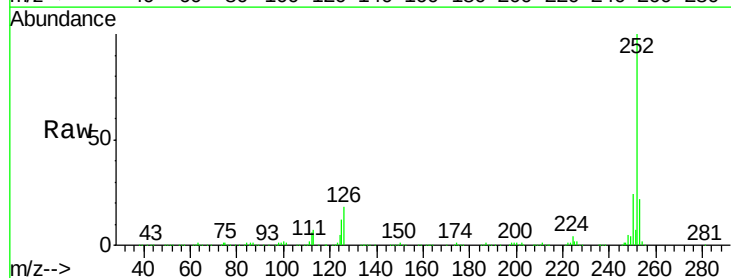
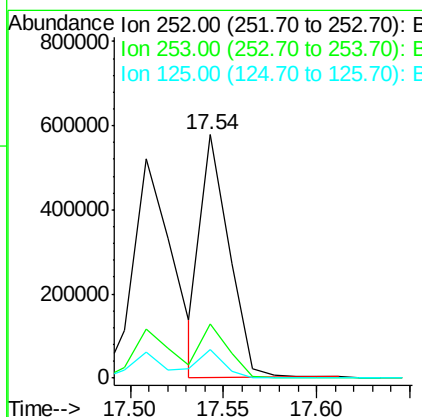
RT: 17.54 min Scan# 1431

Delta R.T. 0.02 min

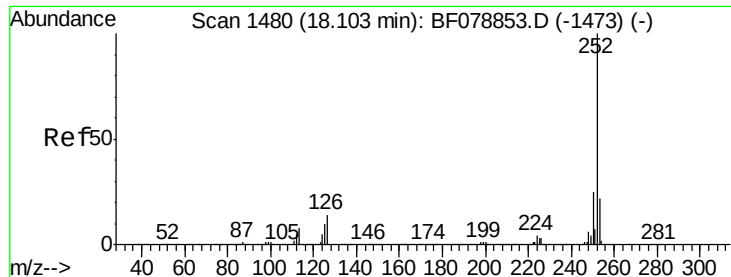
Lab File: BF079072.D

Acq: 9 May 2015 9:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 603940 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.1  | 27.1   |
| 125       | 11.9  | 10.0  | 15.0   |







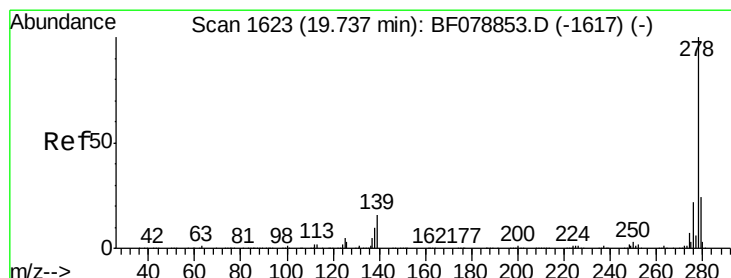
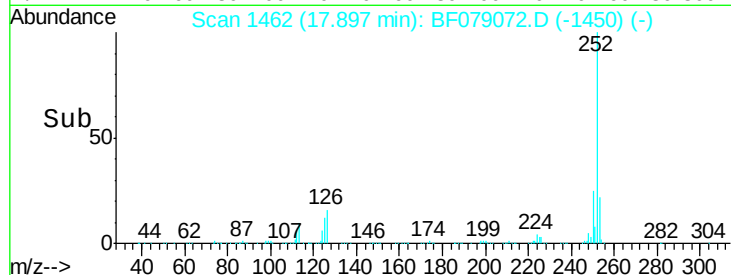
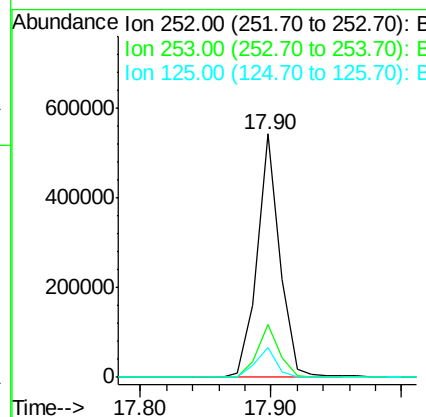
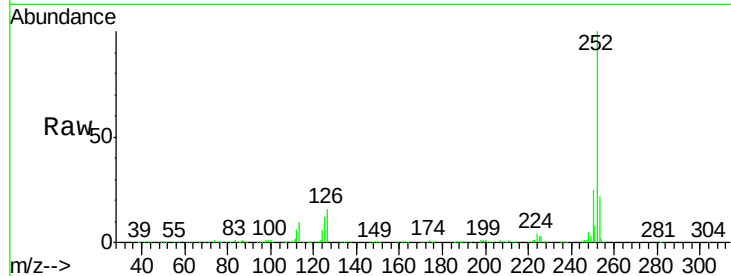
#89  
Benzo(a)pyrene  
Concen: 50.44 ng  
RT: 17.90 min Scan# 1462  
Delta R.T. 0.03 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

Instrument :  
BNA\_F  
ClientSampleId :  
TU012-SB-16-3.5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.3  | 25.9  |
| 125     | 12.4  | 7.0   | 10.6  |

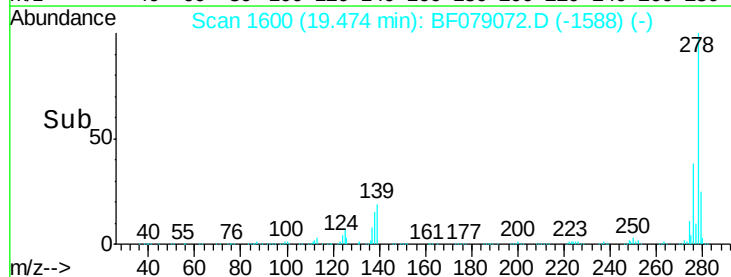
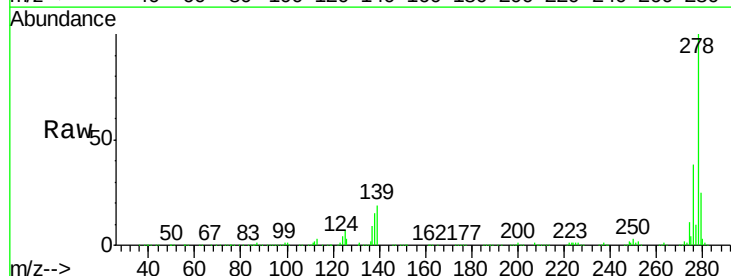
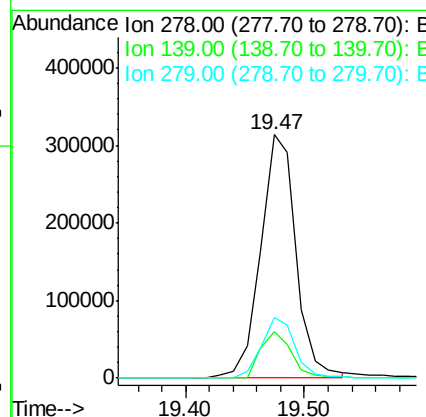
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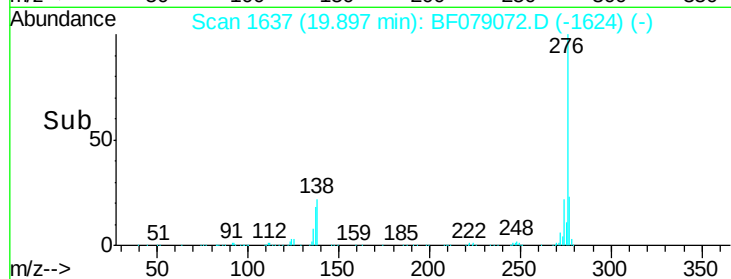
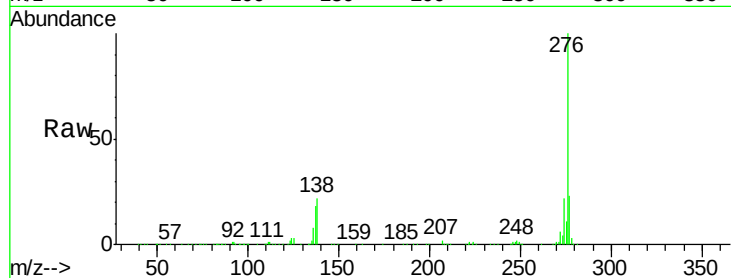
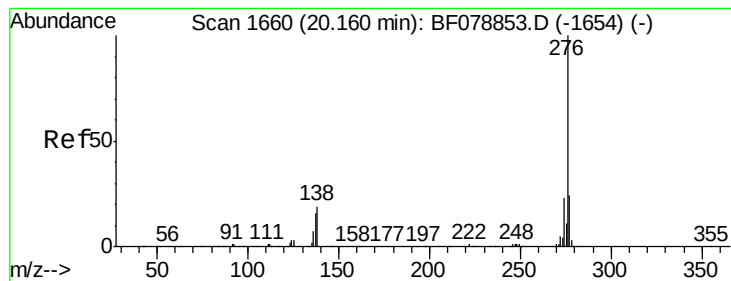
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#90  
Dibenzo(a,h)anthracene  
Concen: 46.78 ng  
RT: 19.47 min Scan# 1600  
Delta R.T. 0.03 min  
Lab File: BF079072.D  
Acq: 9 May 2015 9:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.0  | 12.8  | 19.2  |
| 279     | 25.0  | 19.6  | 29.4  |





#91

Benzo(a,h,i)perylene

Concen: 47.37 ng

RT: 19.90 min Scan# 1637

Delta R.T. 0.05 min

Lab File: BF079072.D

Acq: 9 May 2015 9:29

Instrument :

BNA\_F

ClientSampleId :

TU012-SB-16-3.5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 661458 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.4  | 18.6  | 28.0   |
| 138       | 22.2  | 17.4  | 26.0   |

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