

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071715\  
 Data File : BG017932.D  
 Acq On : 17 Jul 2015 19:13  
 Operator : TP/UM  
 Sample : PB84519BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

Manual Integrations  
 APPROVED

apatel  
 7/20/2015 3:26:28 PM

Quant Time: Jul 18 02:50:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 92526    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.37 | 136  | 410948   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.24 | 164  | 252831   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.99 | 188  | 545555   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 565530   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.41 | 264  | 535802   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.19  | 112 | 449714  | 84.79 | ng | 0.00 |
| 7) Phenol-d6             | 6.76  | 99  | 589814  | 84.88 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.74  | 82  | 507592  | 80.00 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.74 | 330 | 205986  | 80.41 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.86 | 172 | 1198728 | 82.16 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.64 | 244 | 1700041 | 75.72 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 72526   | 31.11 | ng | # 94   |
| 3) Pyridine                    | 3.52  | 79  | 208761  | 33.51 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 3.45  | 42  | 87276   | 36.90 | ng | # 59   |
| 6) Aniline                     | 6.92  | 93  | 287871  | 31.07 | ng | 96     |
| 8) 2-Chlorophenol              | 7.15  | 128 | 266358  | 42.60 | ng | 98     |
| 9) Benzaldehyde                | 6.73  | 77  | 87185   | 20.48 | ng | 94     |
| 10) Phenol                     | 6.79  | 94  | 321427  | 43.34 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.02  | 93  | 229801  | 39.61 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.48  | 146 | 260856  | 37.99 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.62  | 146 | 265824  | 37.77 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.93  | 146 | 256893  | 38.20 | ng | 99     |
| 15) Benzyl Alcohol             | 7.83  | 79  | 213046  | 41.45 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 271240  | 38.81 | ng | 96     |
| 17) 2-Methylphenol             | 8.03  | 107 | 217771  | 42.12 | ng | 96     |
| 18) Hexachloroethane           | 8.65  | 117 | 99153   | 37.30 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.39  | 70  | 189242  | 37.30 | ng | 89     |
| 20) 3+4-Methylphenols          | 8.36  | 107 | 300185  | 42.89 | ng | 97     |
| 22) Acetophenone               | 8.40  | 105 | 337574  | 38.03 | ng | # 93   |
| 24) Nitrobenzene               | 8.78  | 77  | 270256  | 39.98 | ng | 93     |
| 25) Isophorone                 | 9.30  | 82  | 520655  | 39.13 | ng | 98     |
| 26) 2-Nitrophenol              | 9.49  | 139 | 129694  | 40.21 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 9.56  | 122 | 252567  | 43.04 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.79  | 93  | 300436  | 40.52 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.02 | 162 | 240395  | 45.99 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.23 | 180 | 236842  | 38.13 | ng | 97     |
| 31) Naphthalene                | 10.41 | 128 | 779422  | 38.75 | ng | 99     |
| 32) Benzoic acid               | 9.70  | 122 | 94303   | 43.73 | ng | 87     |
| 33) 4-Chloroaniline            | 10.53 | 127 | 204521  | 22.81 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.71 | 225 | 131423  | 37.56 | ng | 96     |
| 35) Caprolactam                | 11.29 | 113 | 114917m | 43.26 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.67 | 107 | 265955  | 44.82 | ng | 92     |
| 37) 2-Methylnaphthalene        | 12.04 | 142 | 573800  | 39.74 | ng | 100    |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 258328  | 38.12 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.40 | 237 | 319520  | 86.46 | ng | 97     |

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 Misc :  
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Instrument :  
 BNA\_G  
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 PB84519BSD

Manual Integrations  
 APPROVED

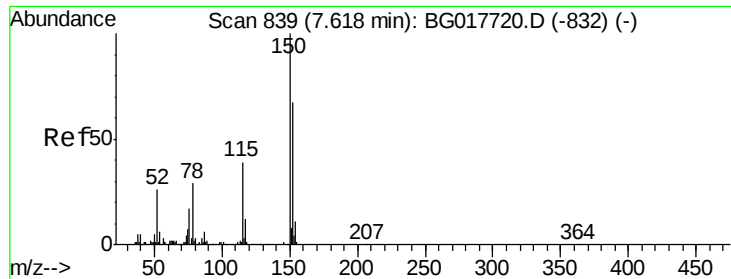
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 7/20/2015 3:26:28 PM

Quant Time: Jul 18 02:50:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.66 | 196  | 182321   | 41.37 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.73 | 196  | 203270   | 44.35 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.07 | 154  | 712274   | 40.24 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.11 | 162  | 569104   | 39.67 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.32 | 65   | 161725   | 41.99 | ng    | 86       |
| 48) Acenaphthylene             | 13.96 | 152  | 954738   | 39.91 | ng    | 100      |
| 49) Dimethylphthalate          | 13.71 | 163  | 728549   | 41.48 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.83 | 165  | 168510   | 42.34 | ng    | 89       |
| 51) Acenaphthene               | 14.31 | 154  | 574260   | 39.64 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.16 | 138  | 129794   | 29.01 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 14.37 | 184  | 148437   | 71.35 | ng    | 94       |
| 54) Dibenzofuran               | 14.64 | 168  | 871590   | 41.70 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.47 | 139  | 317496   | 89.70 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 14.62 | 165  | 232309   | 43.52 | ng    | 95       |
| 57) Fluorene                   | 15.30 | 166  | 744554   | 41.44 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 175068   | 44.31 | ng    | 98       |
| 59) Diethylphthalate           | 15.08 | 149  | 772937   | 42.49 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204  | 371724   | 42.20 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.33 | 138  | 210328   | 40.13 | ng    | 93       |
| 62) Azobenzene                 | 15.59 | 77   | 714578   | 42.51 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 111616   | 41.13 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 15.51 | 169  | 650872   | 39.68 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.20 | 248  | 222168   | 40.64 | ng    | 95       |
| 67) Hexachlorobenzene          | 16.30 | 284  | 242051   | 39.89 | ng    | 96       |
| 68) Atrazine                   | 16.48 | 200  | 239209   | 44.39 | ng    | 99       |
| 69) Pentachlorophenol          | 16.65 | 266  | 278991   | 72.88 | ng    | 97       |
| 70) Phenanthrene               | 17.04 | 178  | 1116663  | 39.68 | ng    | 99       |
| 71) Anthracene                 | 17.13 | 178  | 1140848  | 41.67 | ng    | 98       |
| 72) Carbazole                  | 17.41 | 167  | 1063717  | 41.12 | ng    | 99       |
| 73) Di-n-butylphthalate        | 17.98 | 149  | 1330082  | 41.95 | ng    | 99       |
| 74) Fluoranthene               | 19.06 | 202  | 1243834  | 40.37 | ng    | 98       |
| 76) Benzidine                  | 19.26 | 184  | 447948   | 27.89 | ng    | 97       |
| 77) Pyrene                     | 19.43 | 202  | 1293067  | 41.00 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.35 | 149  | 625509   | 44.28 | ng    | 92       |
| 80) Benzo(a)anthracene         | 21.18 | 228  | 1210487  | 40.53 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 283600   | 26.18 | ng    | 99       |
| 82) Chrysene                   | 21.24 | 228  | 1126860  | 39.61 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 847501   | 43.57 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.00 | 149  | 1361653  | 44.44 | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.66 | 276  | 1359786  | 39.52 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.75 | 252  | 1226653  | 41.84 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.79 | 252  | 1173669  | 40.09 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.32 | 252  | 1161140  | 42.51 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.67 | 278  | 1161314  | 41.01 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 26.35 | 276  | 1112345  | 40.73 | ng    | 99       |

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





#1

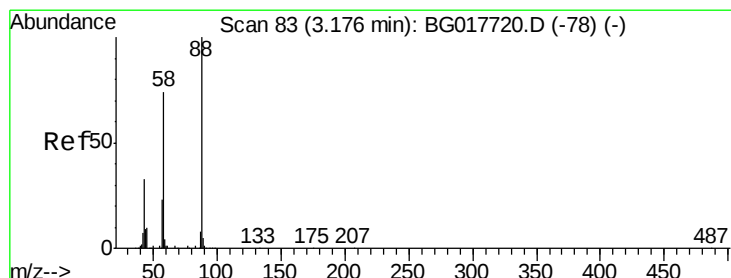
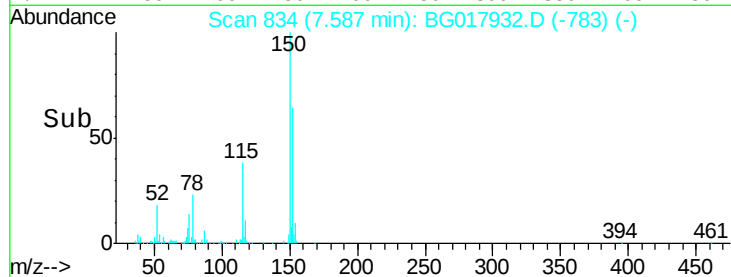
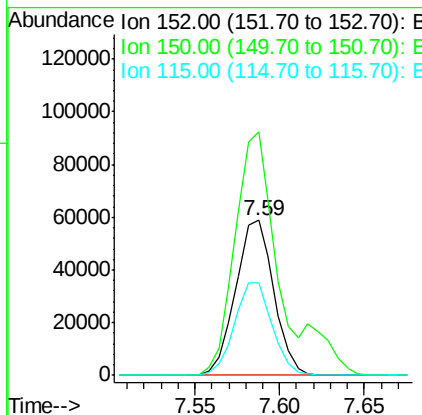
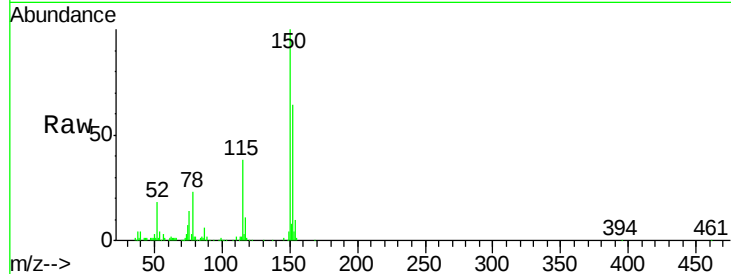
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.59 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 119.1 | 178.7 |
| 115     | 59.6  | 47.0  | 70.4  |

Manual Integrations  
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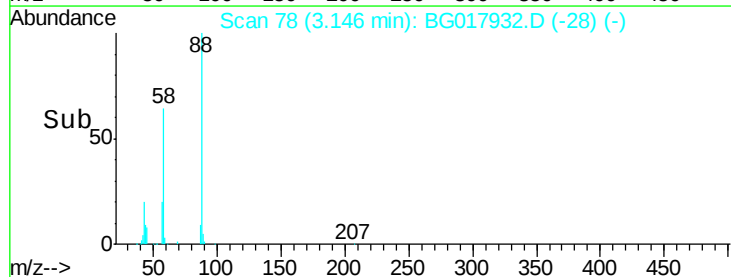
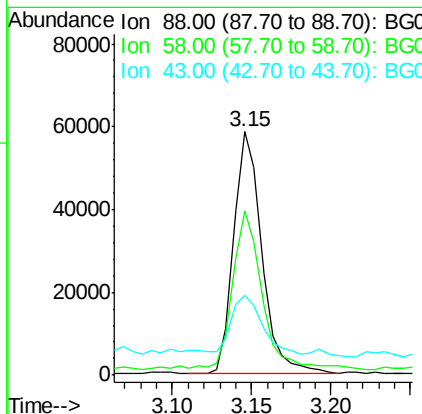
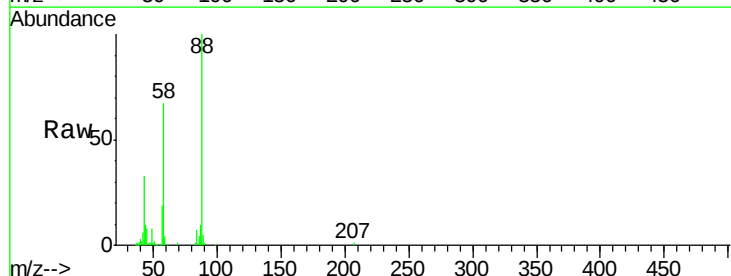
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7/20/2015 3:26:28 PM

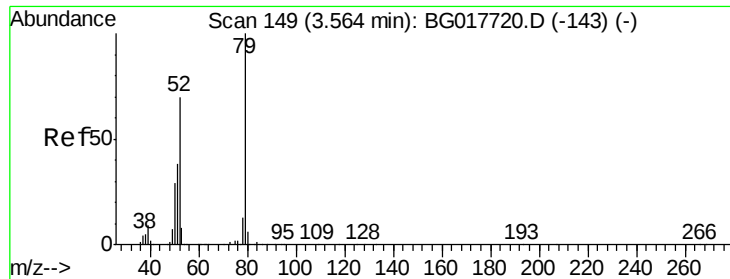


#2

1,4-Dioxane  
Concen: 31.11 ng  
RT: 3.15 min Scan# 78  
Delta R.T. -0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.9  | 55.8  | 83.8  |
| 43      | 26.0  | 27.4  | 41.2# |





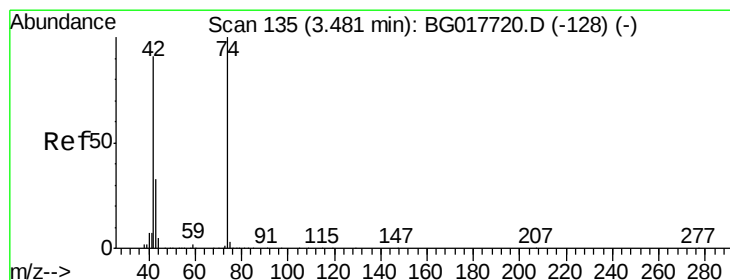
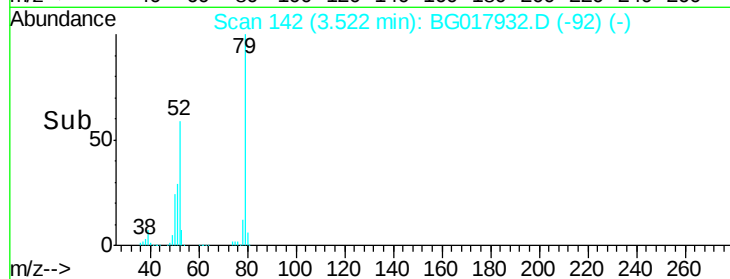
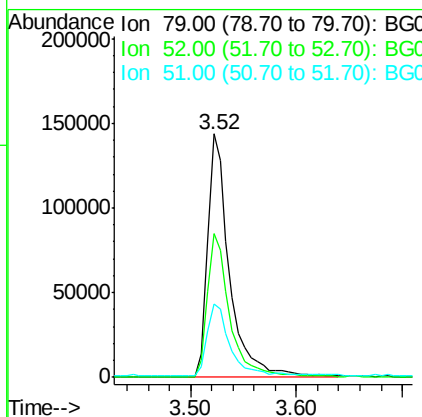
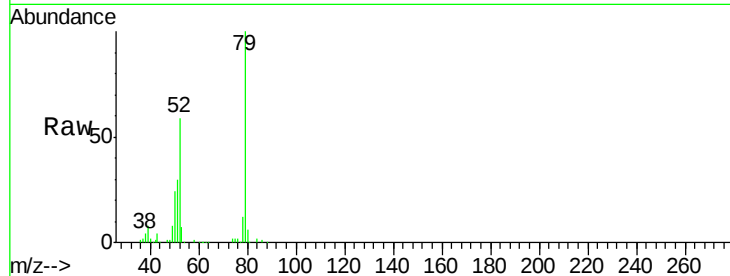
#3  
 Pyridine  
 Concen: 33.51 ng  
 RT: 3.52 min Scan# 142  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 79      | 100   |            |       |
| 52      | 59.1  | 55.7       | 83.5  |
| 51      | 30.4  | 32.2       | 48.4  |

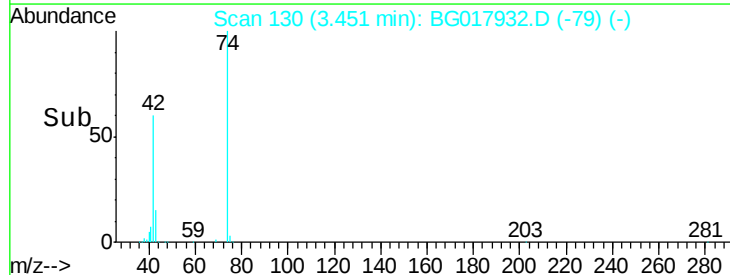
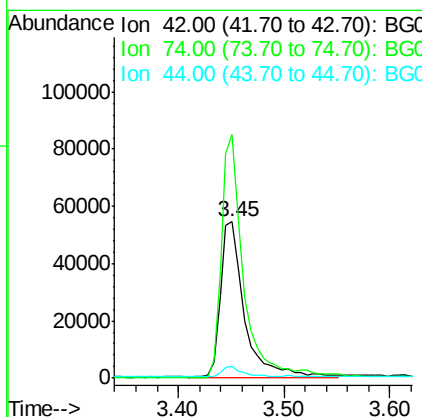
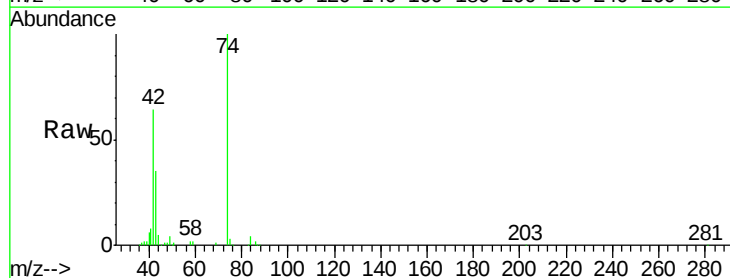
Manual Integrations  
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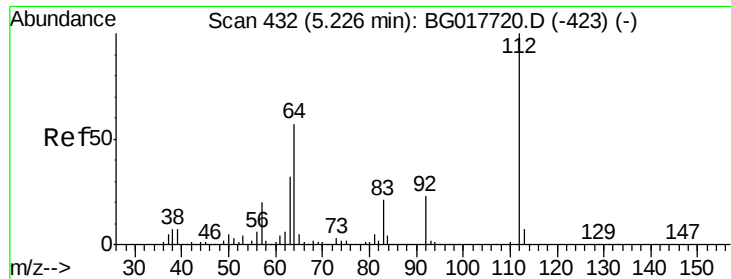
apatel  
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#4  
 n-Nitrosodimethylamine  
 Concen: 36.90 ng  
 RT: 3.45 min Scan# 130  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 42      | 100   |            |       |
| 74      | 155.6 | 87.4       | 131.2 |
| 44      | 7.9   | 6.4        | 9.6   |





#5

2-Fluorophenol

Concen: 84.79 ng

RT: 5.19 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

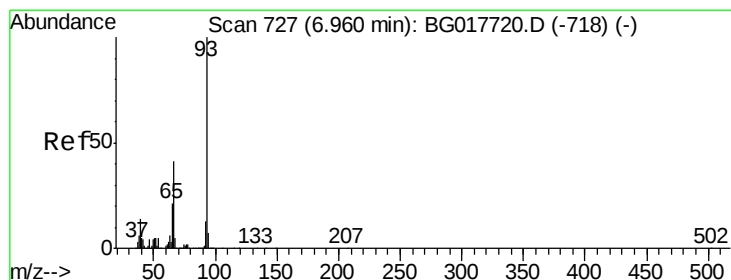
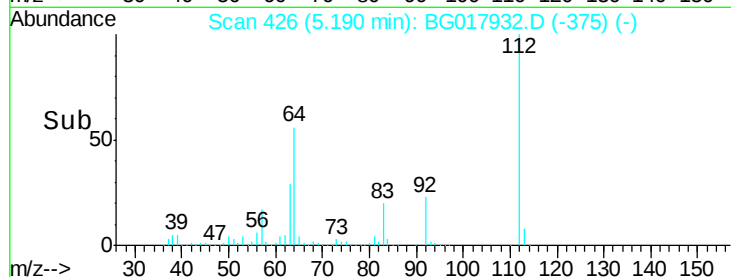
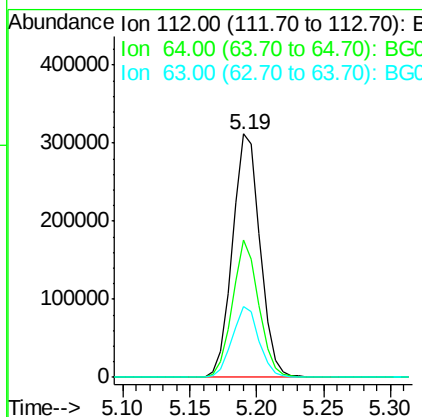
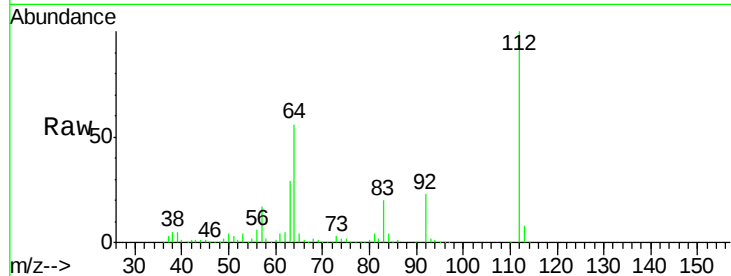
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 449714 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.3  | 45.4  | 68.0   |
| 63        | 29.3  | 25.3  | 37.9   |

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#6

Aniline

Concen: 31.07 ng

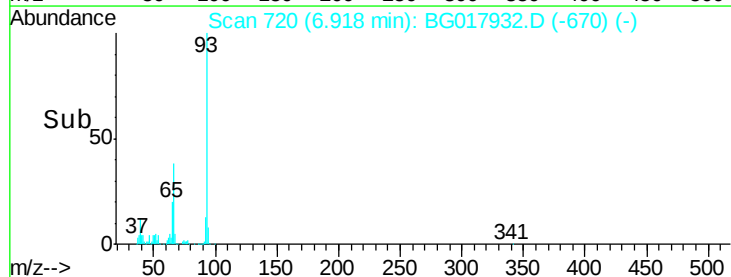
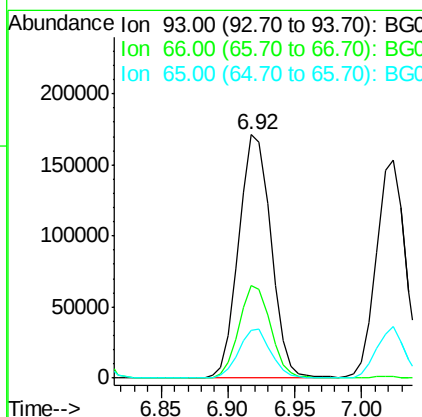
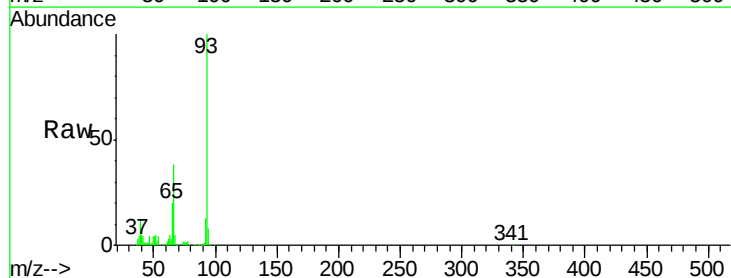
RT: 6.92 min Scan# 720

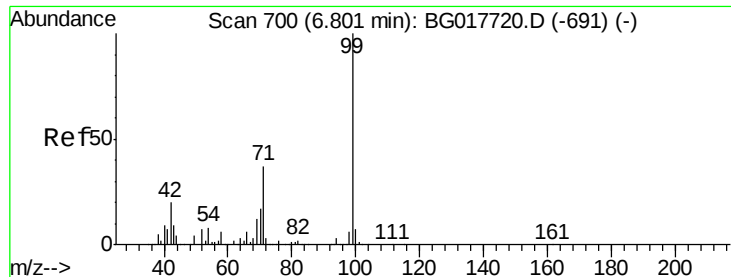
Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 287871 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.0  | 32.7  | 49.1   |
| 65        | 19.5  | 17.0  | 25.6   |





#7

Phenol-d6

Concen: 84.88 ng

RT: 6.76 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

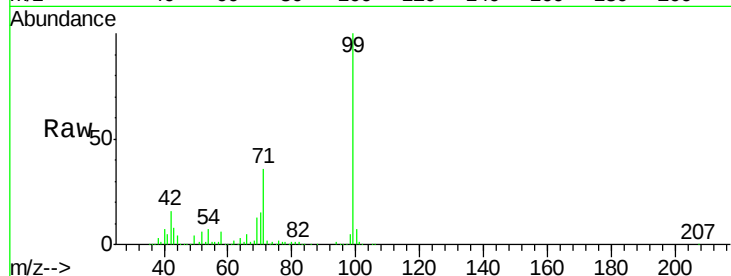
ClientSampleId :

PB84519BSD

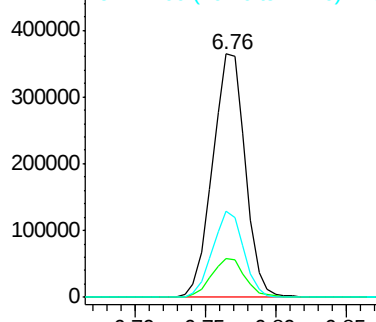
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 589814 |       |       |
| 42      | 16.2  | 16.2   | 24.4# |       |
| 71      | 35.6  | 29.5   | 44.3  |       |

Manual Integrations  
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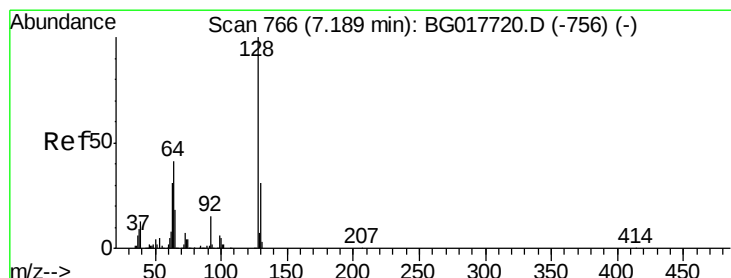
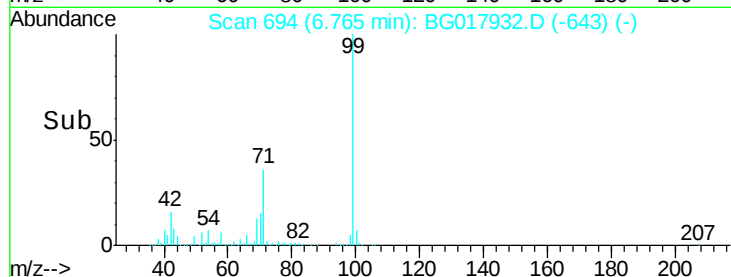
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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#8

2-Chlorophenol

Concen: 42.60 ng

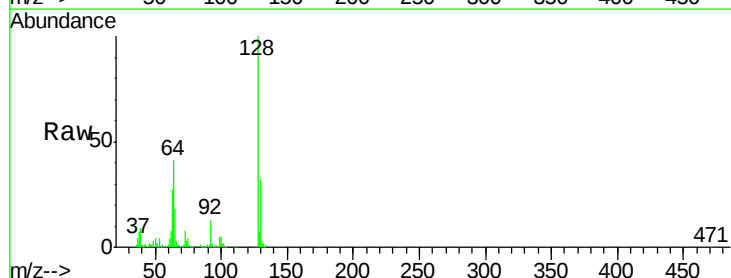
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Delta R.T. -0.00 min

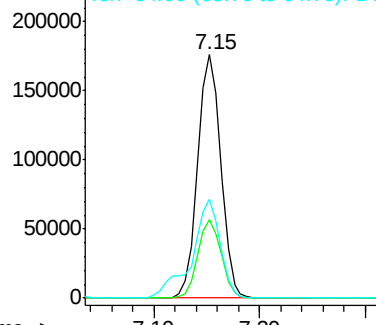
Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

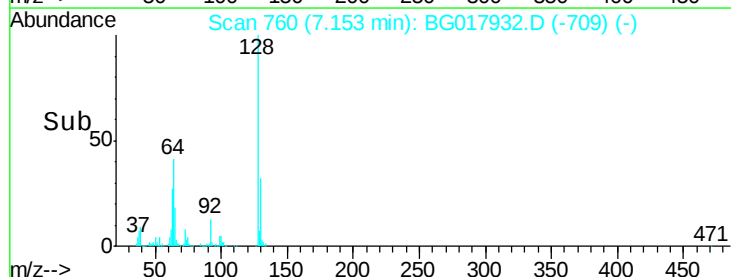
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 266358 |       |       |
| 130     | 32.4  | 11.1   | 51.1  |       |
| 64      | 40.6  | 21.4   | 61.4  |       |

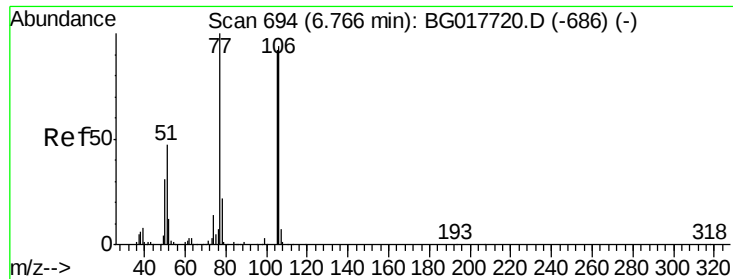


Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

Concen: 20.48 ng

RT: 6.73 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

ClientSampleId :

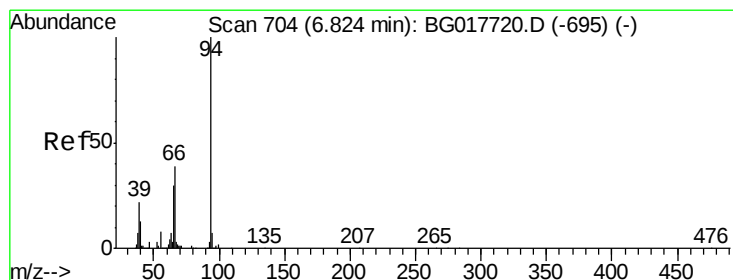
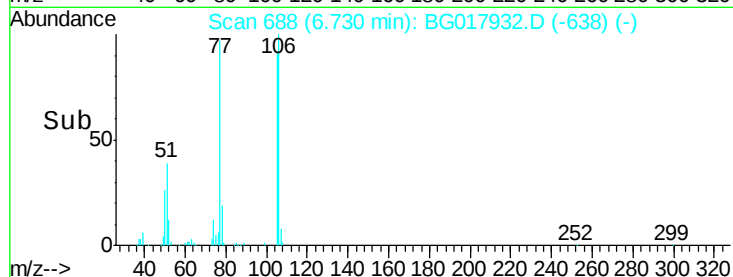
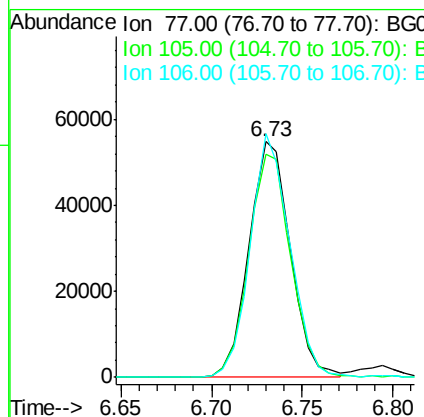
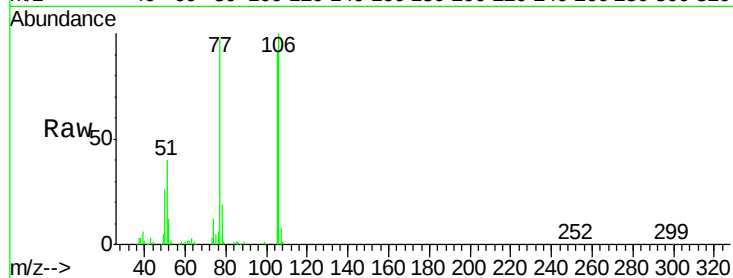
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| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 87185 |       |       |
| 105     | 94.4  | 71.8  | 111.8 |       |
| 106     | 103.3 | 74.5  | 114.5 |       |



#10

Phenol

Concen: 43.34 ng

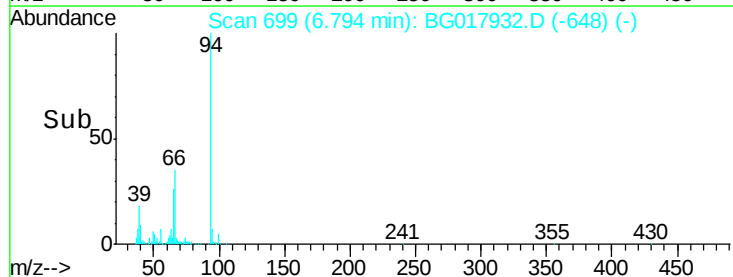
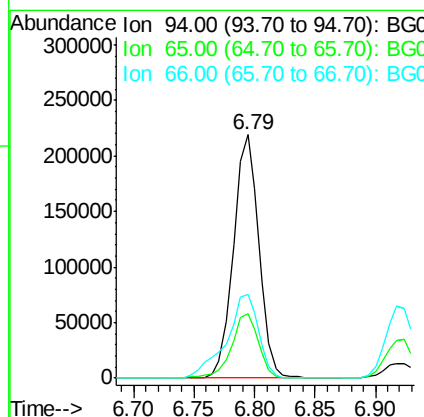
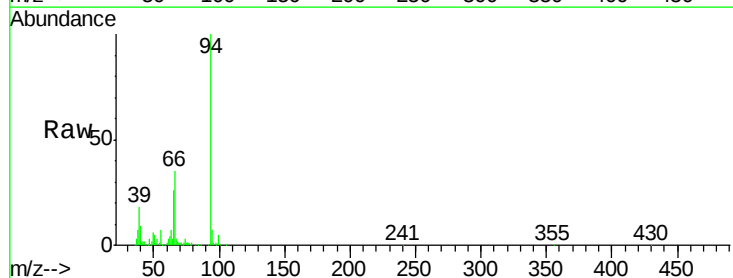
RT: 6.79 min Scan# 699

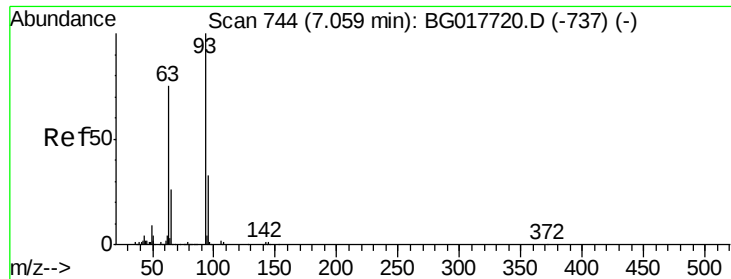
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 94      | 100   | 321427 |       |       |
| 65      | 26.2  | 9.9    | 49.9  |       |
| 66      | 34.6  | 19.4   | 59.4  |       |





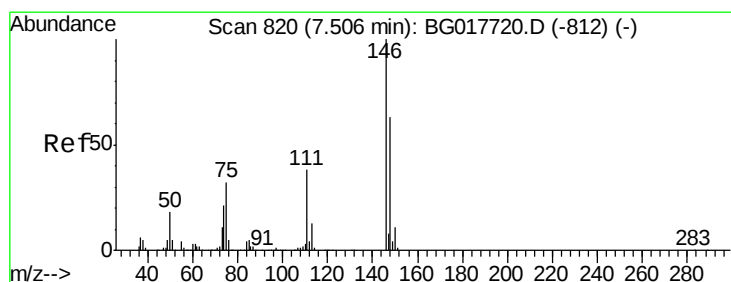
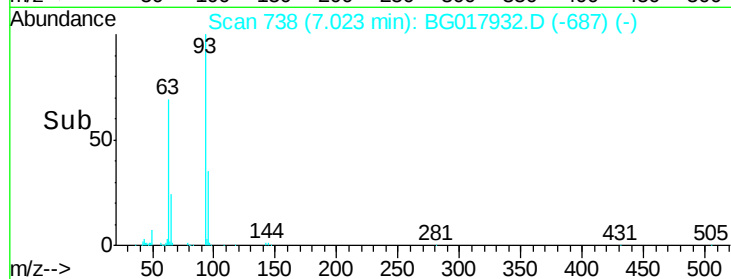
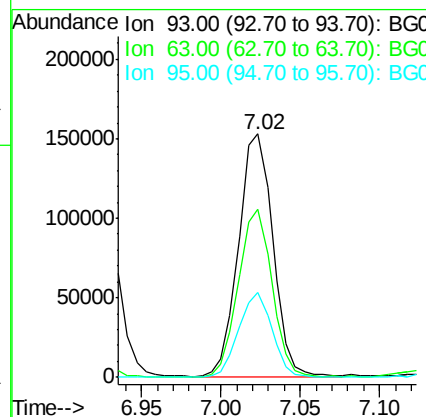
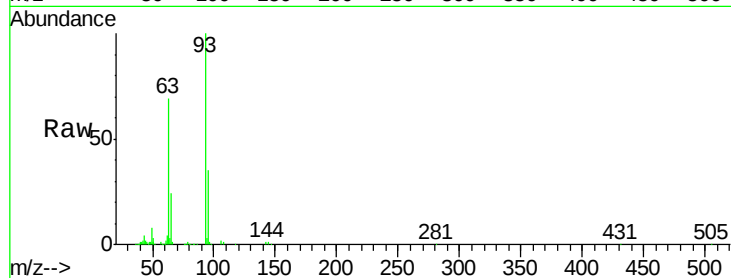
#11  
bis(2-Chloroethyl)ether  
Concen: 39.61 ng  
RT: 7.02 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 93      | 100   |            |            |
| 63      | 69.3  | 54.7       | 94.7       |
| 95      | 34.9  | 13.2       | 53.2       |

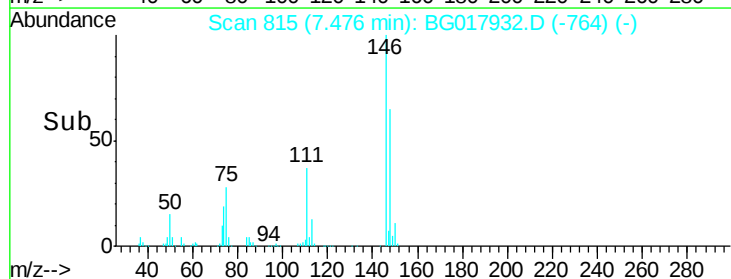
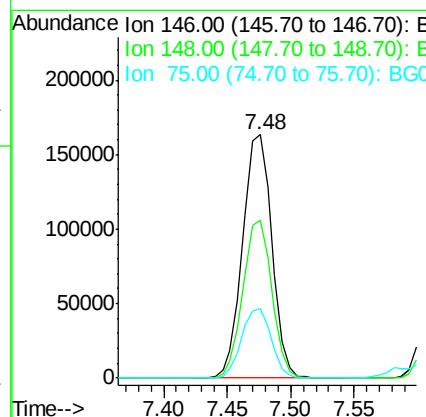
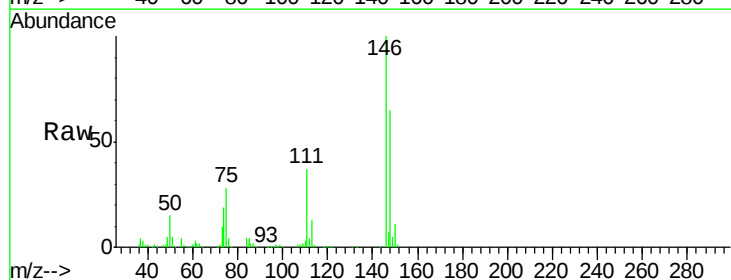
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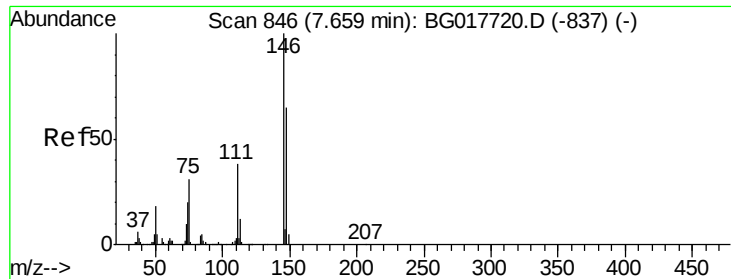
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#12  
1,3-Dichlorobenzene  
Concen: 37.99 ng  
RT: 7.48 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 148     | 65.0  | 50.8       | 76.2       |
| 75      | 28.4  | 25.8       | 38.6       |





#13

1,4-Dichlorobenzene

Concen: 37.77 ng

RT: 7.62 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG017932.D

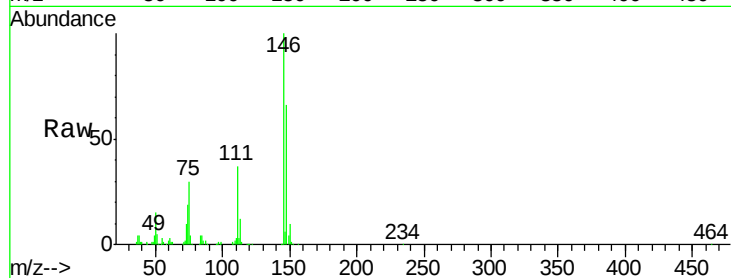
Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

ClientSampleId :

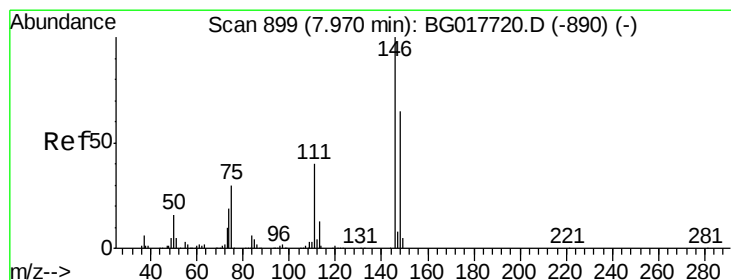
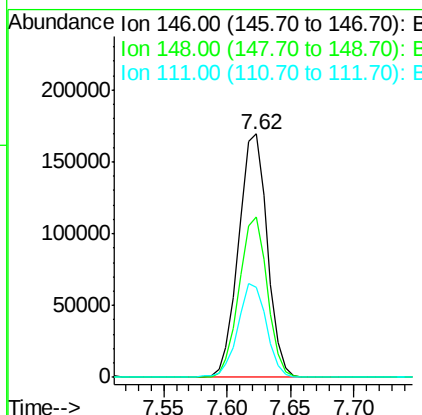
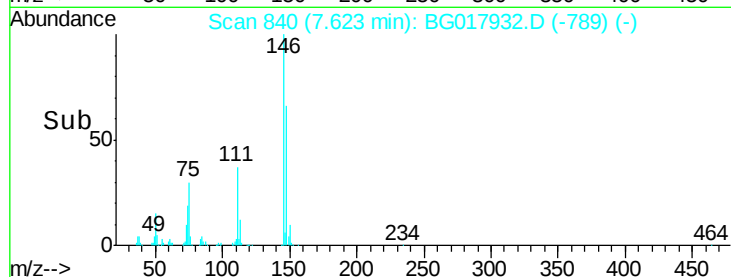
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 265824 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.7  | 51.8  | 77.6   |
| 111       | 36.9  | 31.0  | 46.4   |

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#14

1,2-Dichlorobenzene

Concen: 38.20 ng

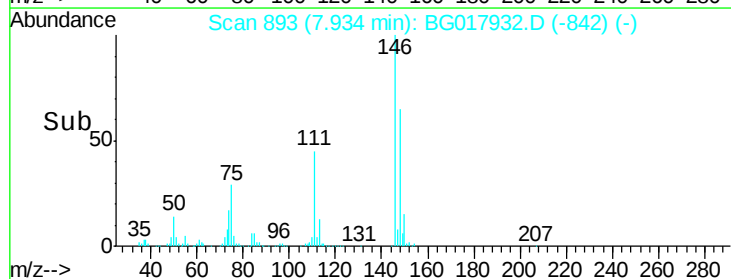
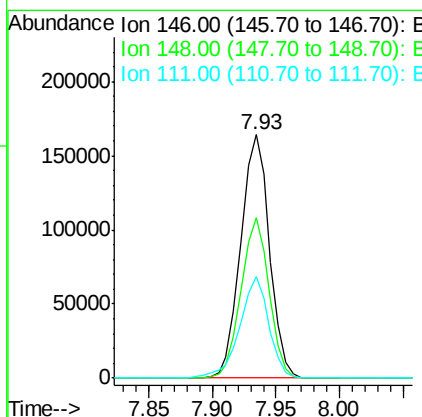
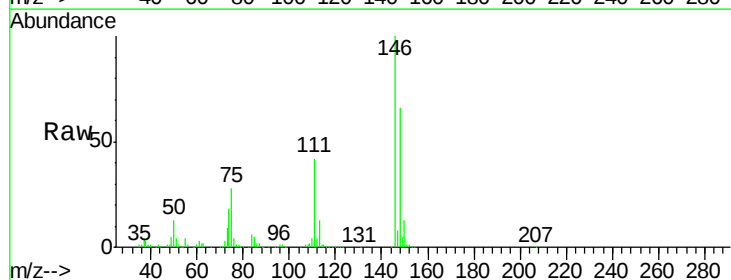
RT: 7.93 min Scan# 893

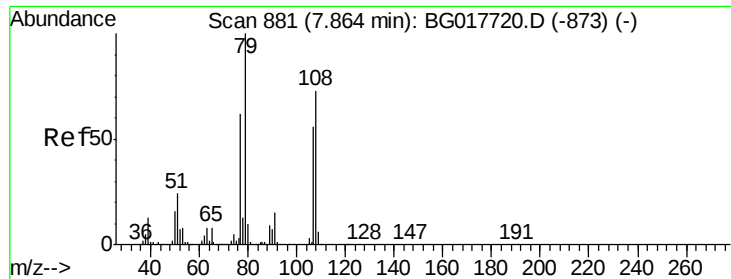
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 256893 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.9  | 52.2  | 78.4   |
| 111       | 41.7  | 32.3  | 48.5   |





#15

Benzyl Alcohol

Concen: 41.45 ng

RT: 7.83 min Scan# 875

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

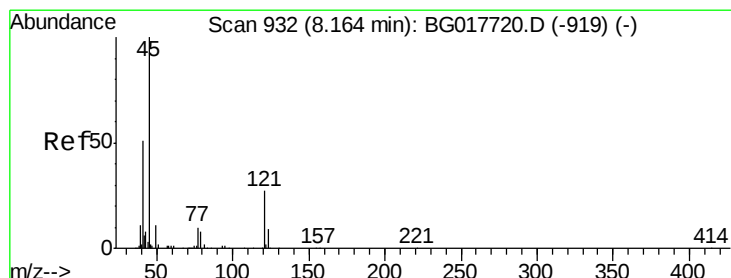
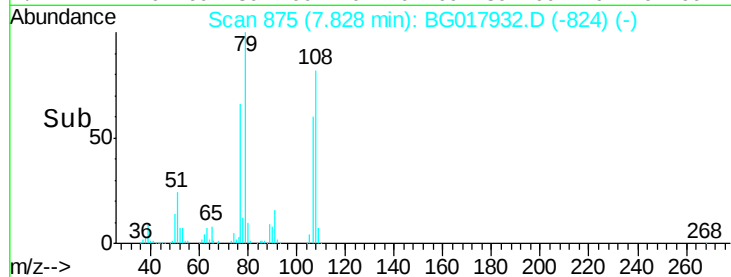
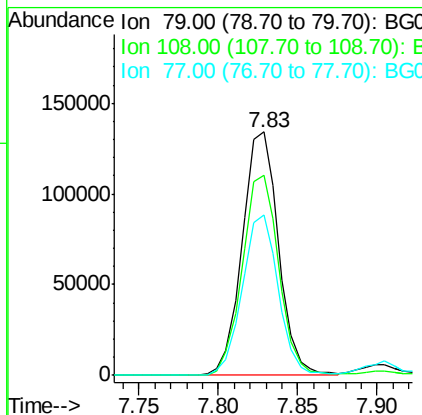
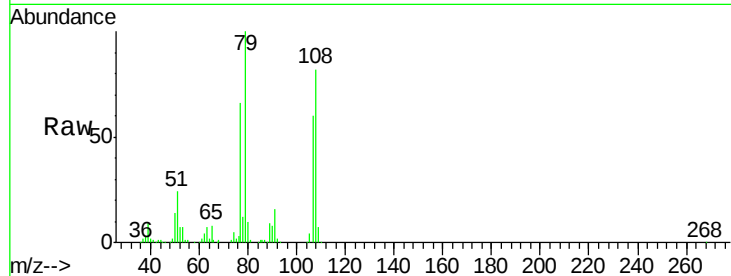
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 213046 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 82.4  | 58.4  | 87.6   |
| 77        | 66.1  | 49.9  | 74.9   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.81 ng

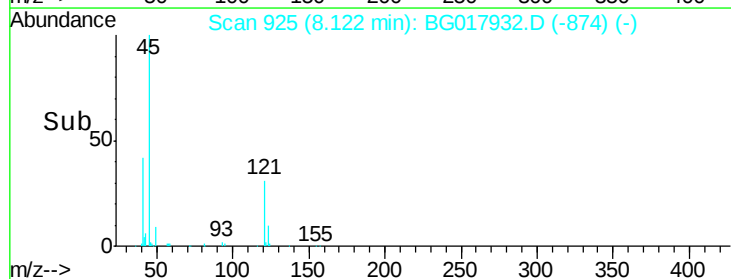
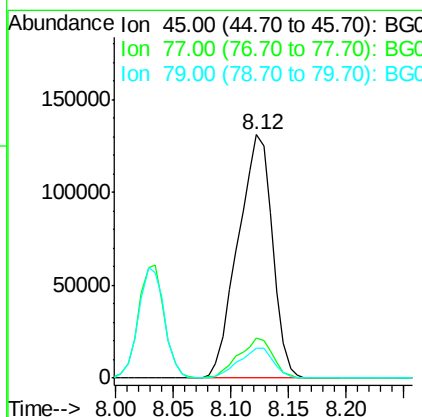
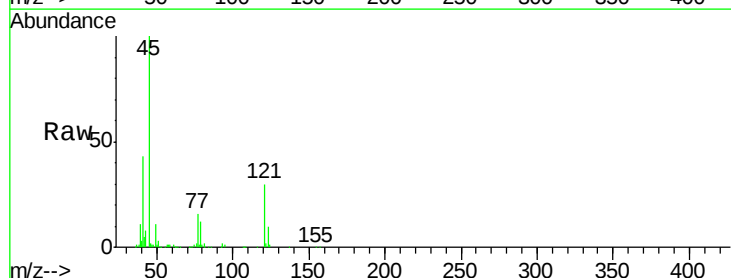
RT: 8.12 min Scan# 925

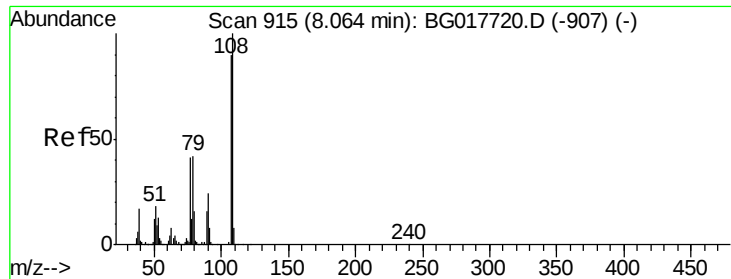
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 271240 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 16.2  | 0.0   | 33.9   |
| 79        | 12.2  | 0.0   | 31.4   |





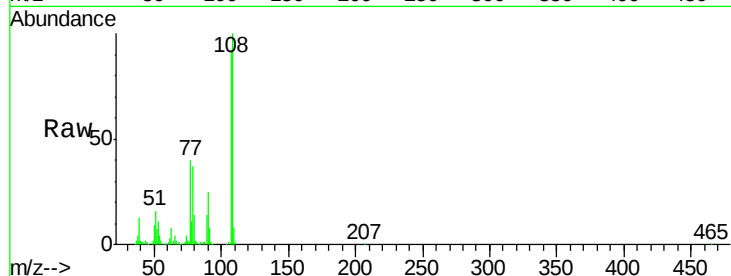
#17  
2-Methylphenol  
Concen: 42.12 ng  
RT: 8.03 min Scan# 910  
Delta R.T. 0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

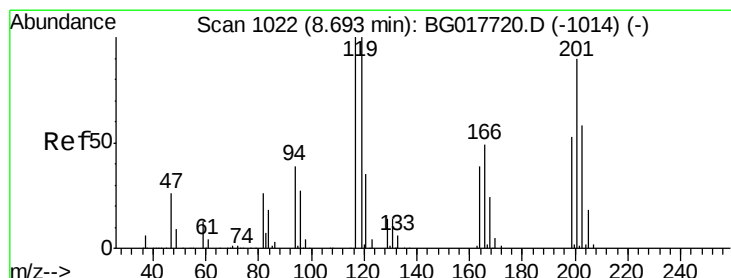
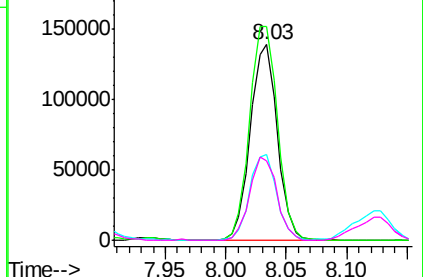
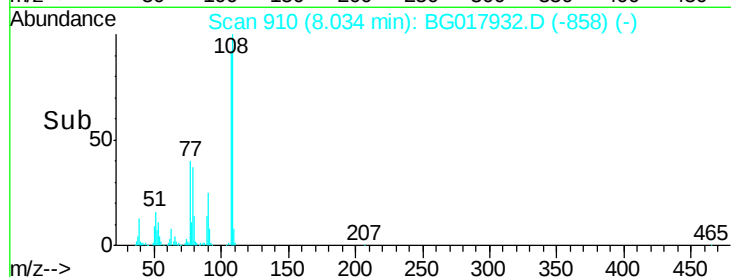
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 217771 |       |       |
| 108     | 109.3 | 89.3   | 133.9 |       |
| 77      | 43.8  | 36.9   | 55.3  |       |
| 79      | 40.9  | 37.6   | 56.4  |       |

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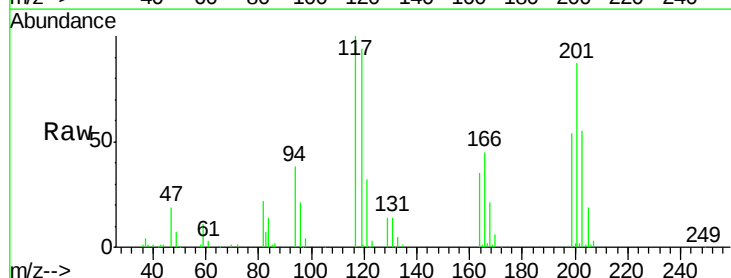


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

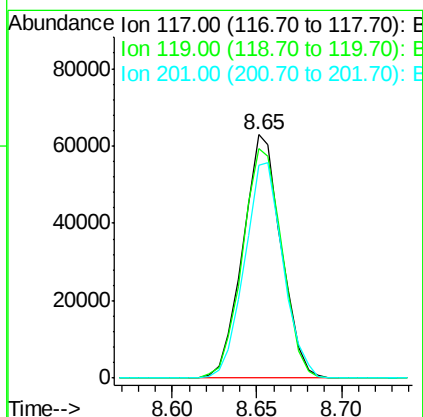
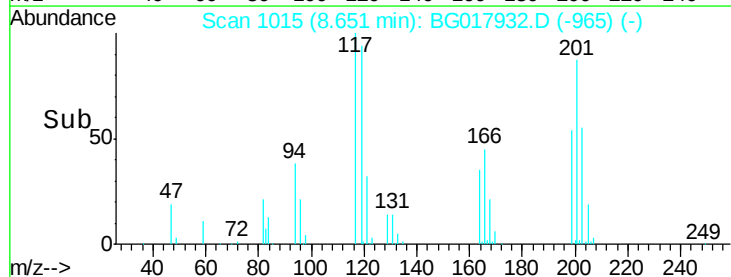


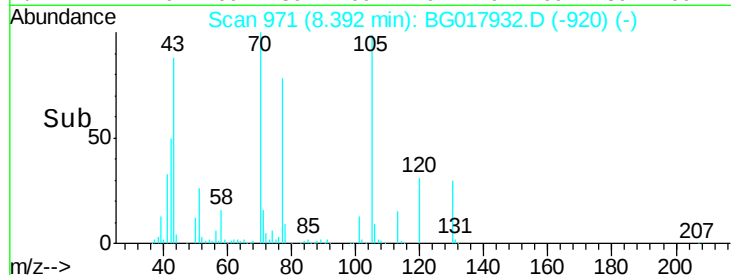
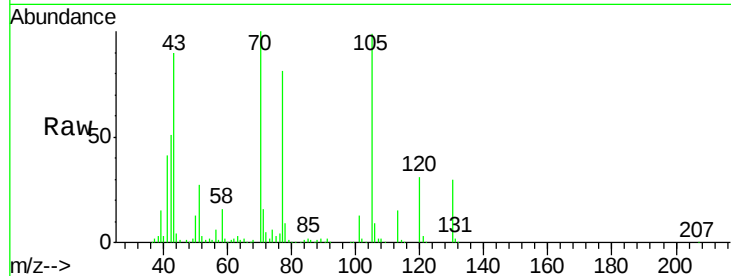
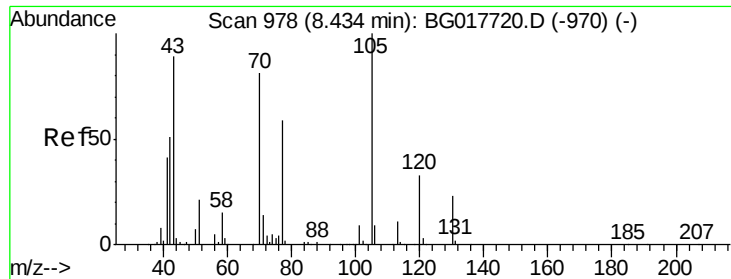
#18  
Hexachloroethane  
Concen: 37.30 ng  
RT: 8.65 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 99153 |       |       |
| 119     | 94.1  | 80.1  | 120.1 |       |
| 201     | 87.2  | 71.9  | 107.9 |       |



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





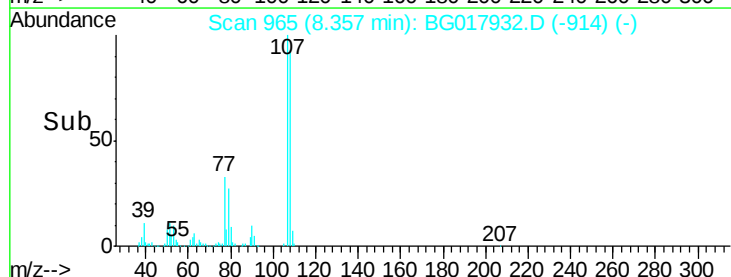
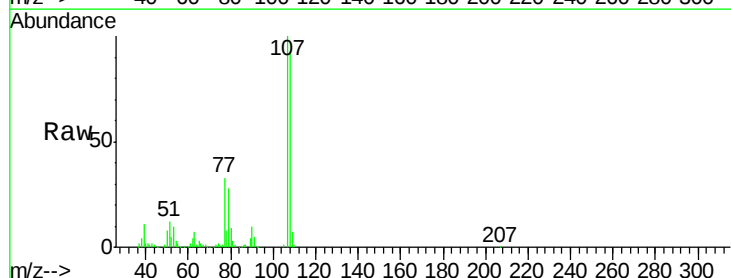
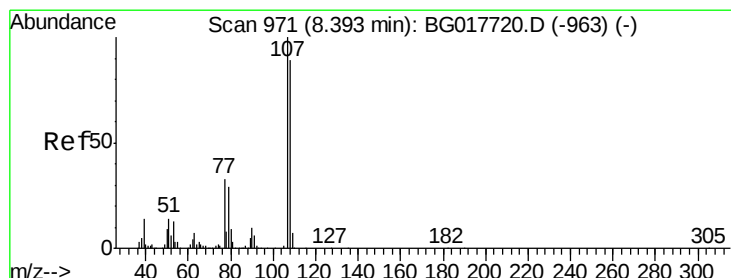
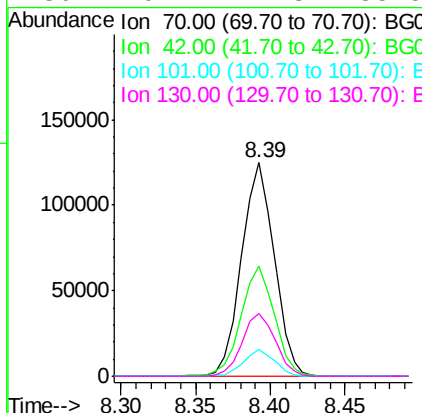
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.30 ng  
RT: 8.39 min Scan# 971  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

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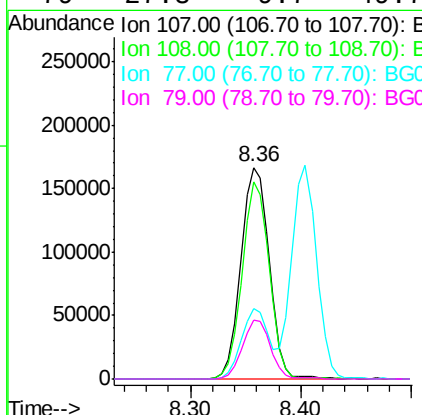
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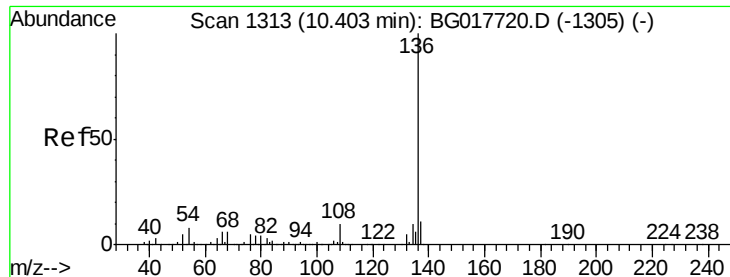
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 51.4 | 50.8  | 76.2  |       |
| 101     | 12.8 | 8.7   | 13.1  |       |
| 130     | 29.7 | 22.3  | 33.5  |       |



#20  
3+4-Methylphenols  
Concen: 42.89 ng  
RT: 8.36 min Scan# 965  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 93.4 | 69.6  | 109.6 |       |
| 77      | 33.3 | 13.0  | 53.0  |       |
| 79      | 27.8 | 9.7   | 49.7  |       |





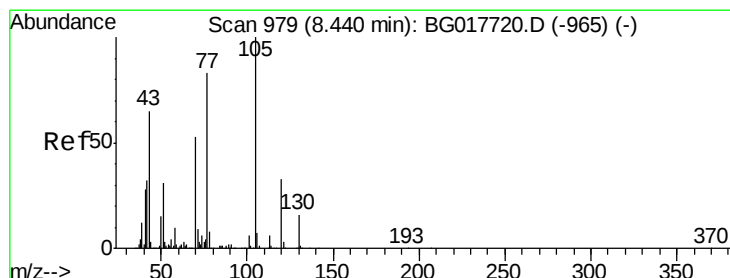
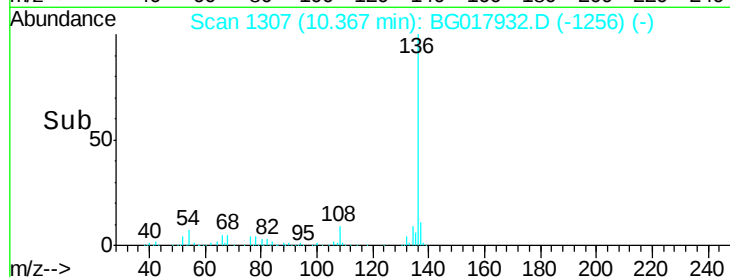
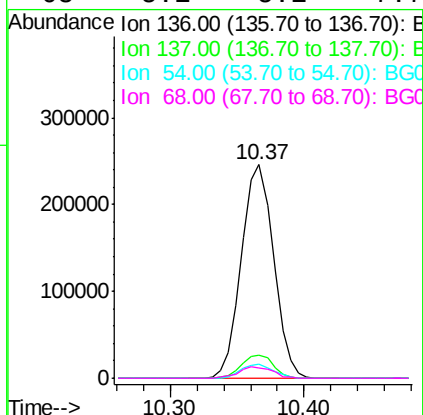
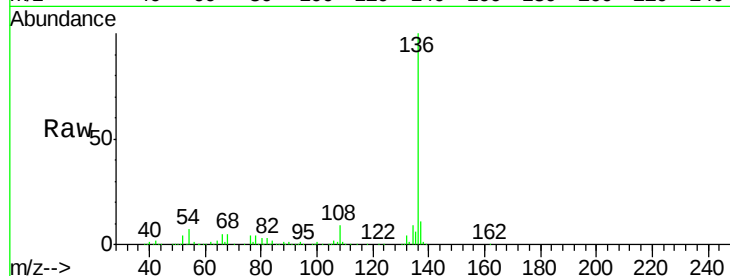
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.37 min Scan# 1307  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 136 | 100  |       | 410948 |       |       |
| 137 | 10.7 |       | 8.8    | 13.2  |       |
| 54  | 6.6  |       | 6.6    | 9.8   |       |
| 68  | 5.1  |       | 5.1    | 7.7   |       |

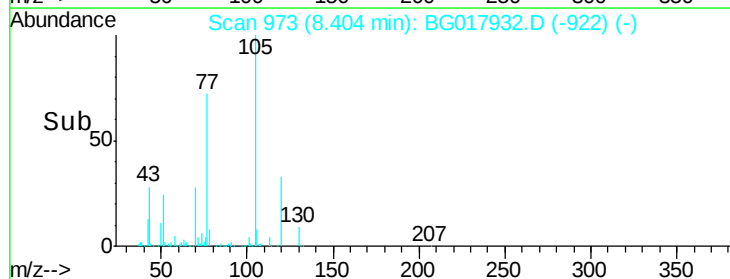
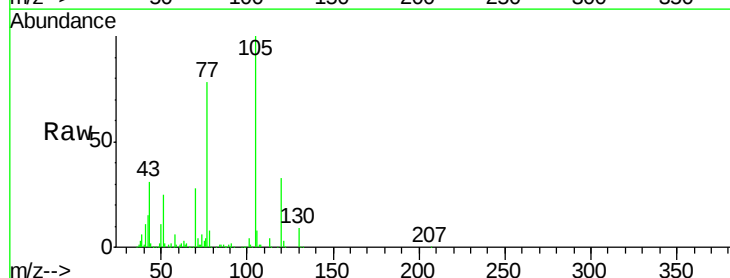
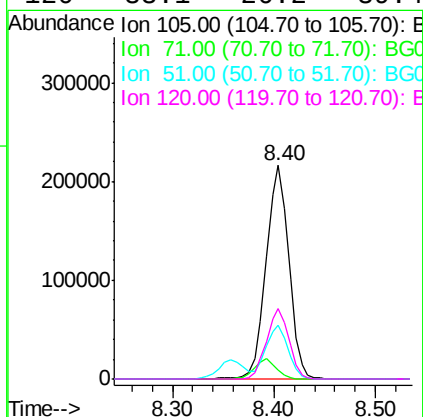
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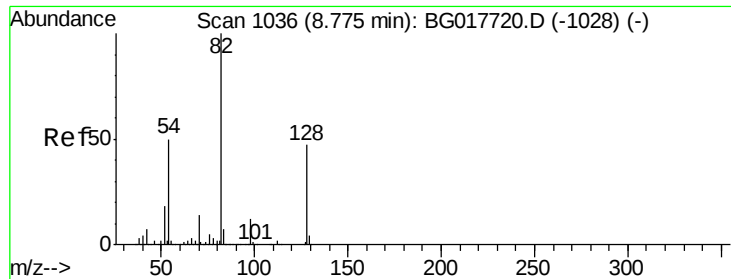
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#22  
Acetophenone  
Concen: 38.03 ng  
RT: 8.40 min Scan# 973  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 105 | 100  |       | 337574 |       |       |
| 71  | 4.1  |       | 7.7    | 11.5  |       |
| 51  | 25.1 |       | 24.9   | 37.3  |       |
| 120 | 33.1 |       | 26.2   | 39.4  |       |





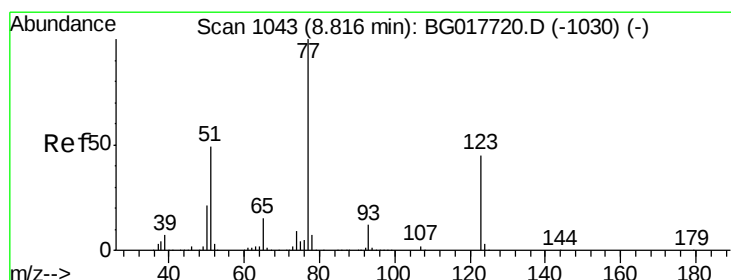
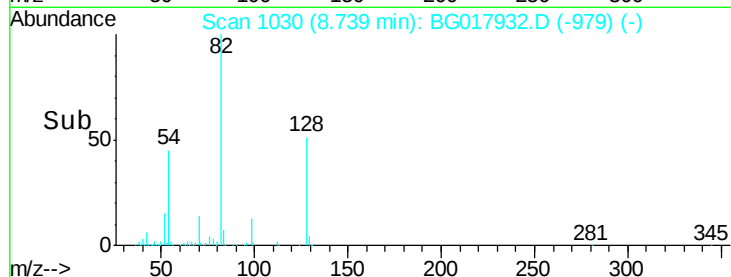
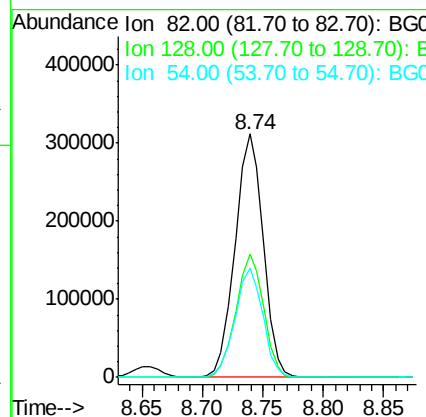
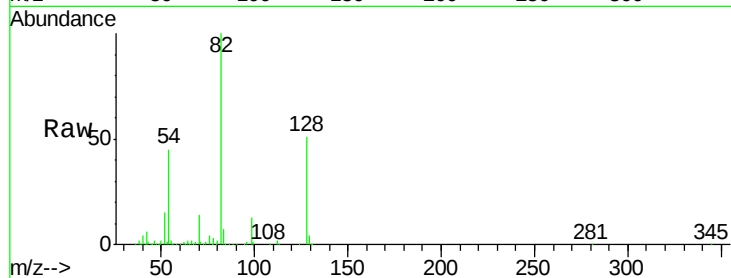
#23  
 Nitrobenzene-d5  
 Concen: 80.00 ng  
 RT: 8.74 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 507592 |       |       |
| 128     | 50.8  | 37.8   | 56.6  |       |
| 54      | 45.1  | 39.9   | 59.9  |       |

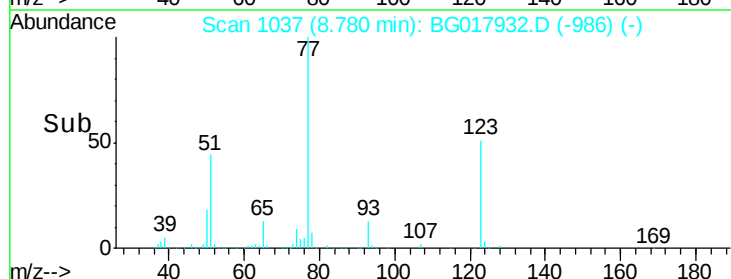
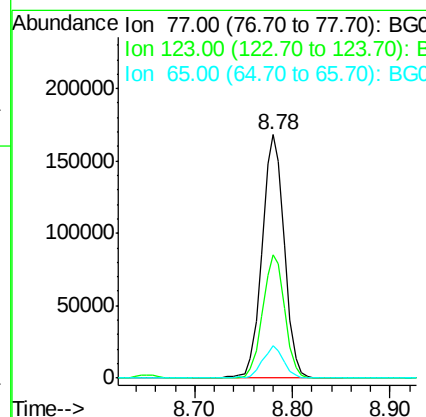
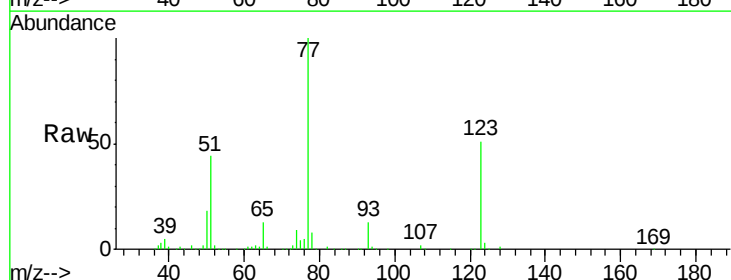
Manual Integrations  
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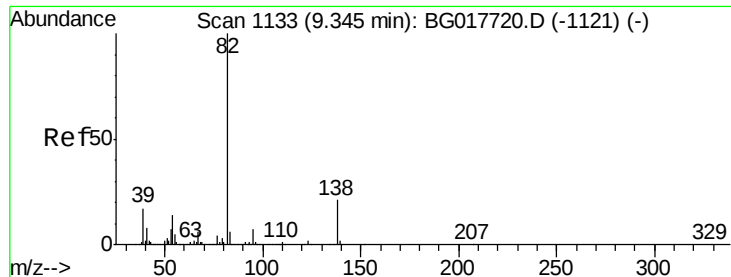
apatel  
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#24  
 Nitrobenzene  
 Concen: 39.98 ng  
 RT: 8.78 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 270256 |       |       |
| 123     | 50.9  | 36.2   | 54.2  |       |
| 65      | 13.5  | 11.7   | 17.5  |       |





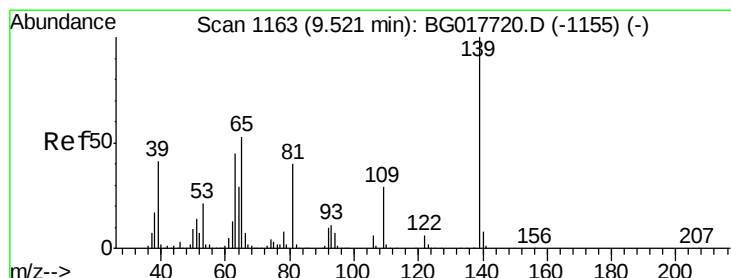
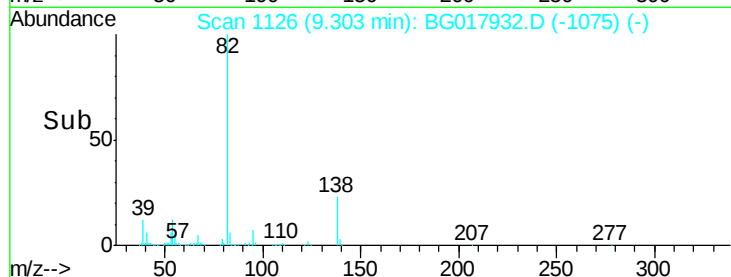
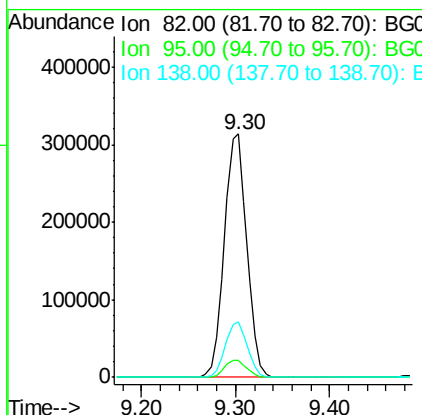
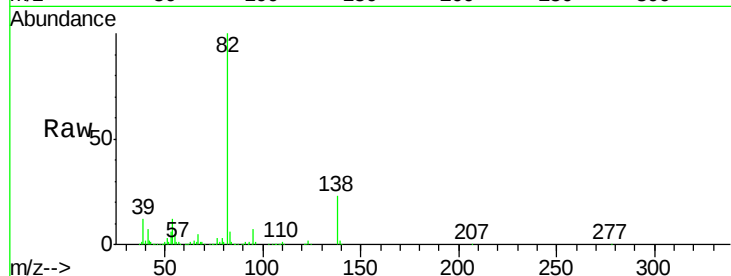
#25  
Isophorone  
Concen: 39.13 ng  
RT: 9.30 min Scan# 1126  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 520655 |       |       |
| 95      | 6.9   |        | 5.8   | 8.8   |
| 138     | 22.6  |        | 17.0  | 25.6  |

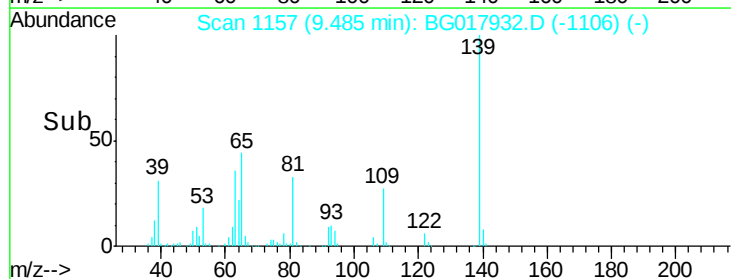
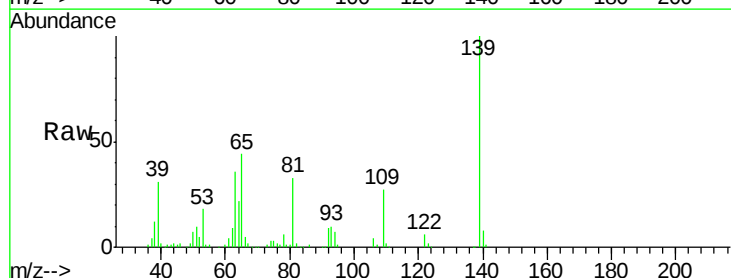
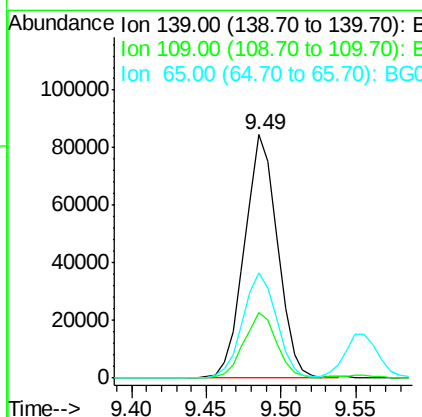
Manual Integrations  
APPROVED

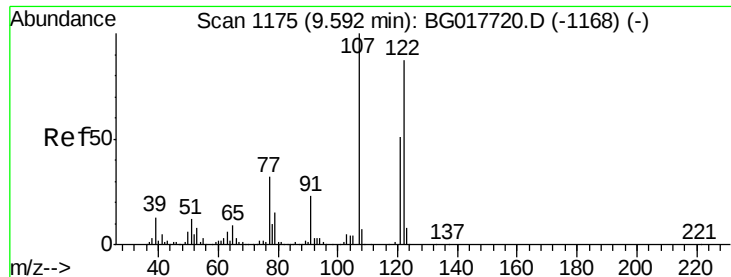
apatel  
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#26  
2-Nitrophenol  
Concen: 40.21 ng  
RT: 9.49 min Scan# 1157  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 129694 |       |       |
| 109     | 27.0  |        | 23.0  | 34.4  |
| 65      | 43.5  |        | 42.0  | 63.0  |





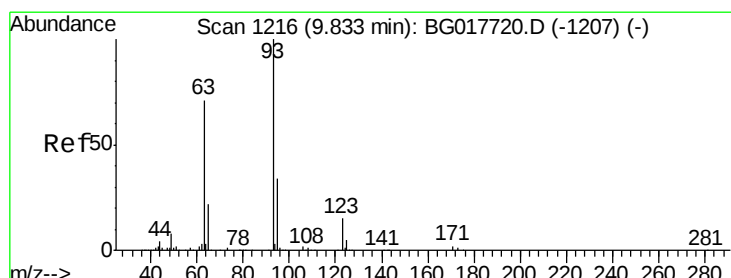
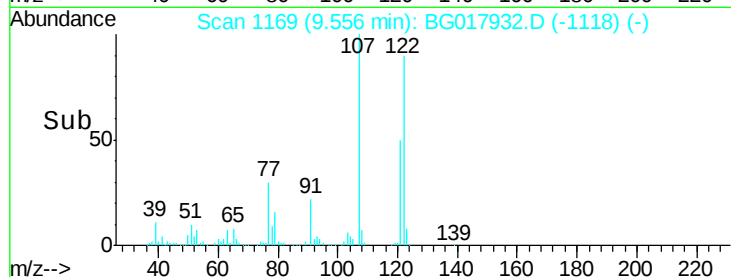
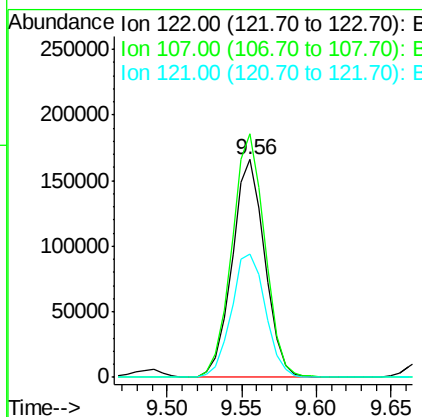
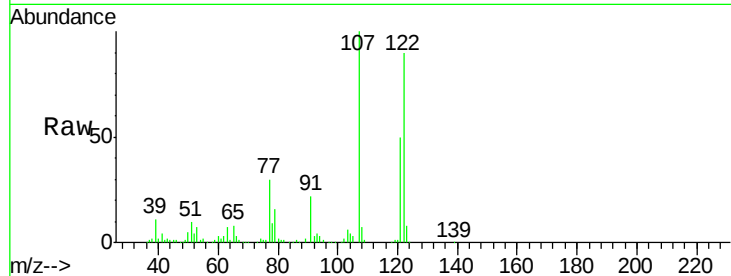
#27  
 2,4-Dimethylphenol  
 Concen: 43.04 ng  
 RT: 9.56 min Scan# 1169  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 252567 |       |       |
| 107     | 111.7 | 92.2   | 138.2 |       |
| 121     | 56.4  | 46.5   | 69.7  |       |

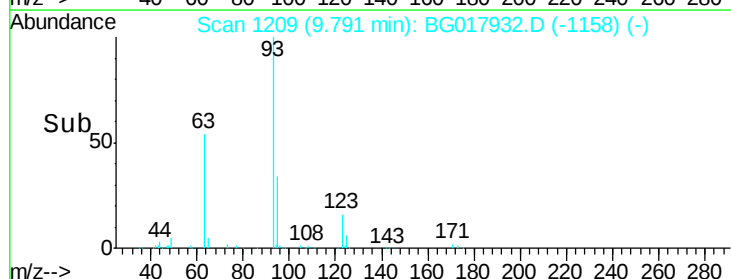
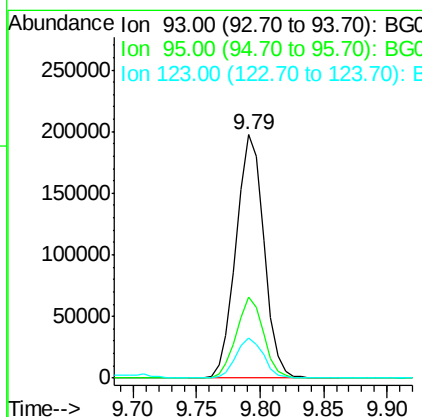
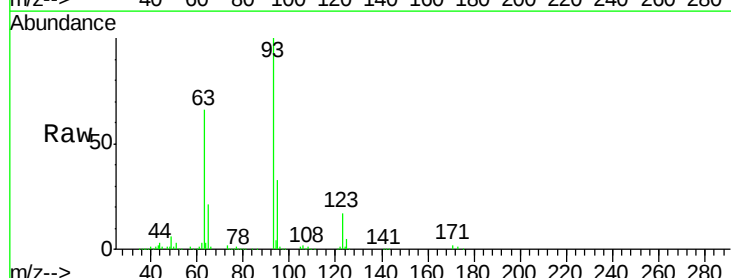
Manual Integrations  
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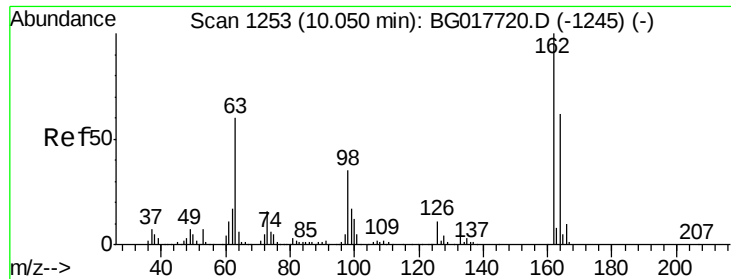
apatel  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.52 ng  
 RT: 9.79 min Scan# 1209  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 300436 |       |       |
| 95      | 33.0  | 26.9   | 40.3  |       |
| 123     | 16.6  | 12.0   | 18.0  |       |





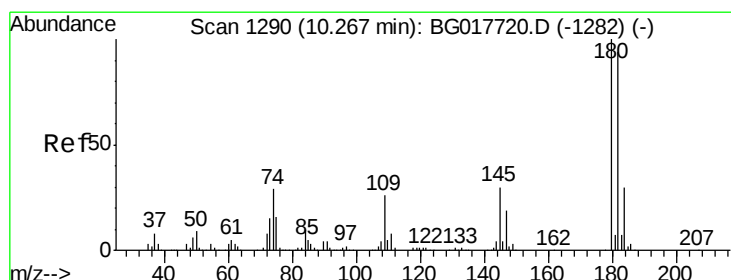
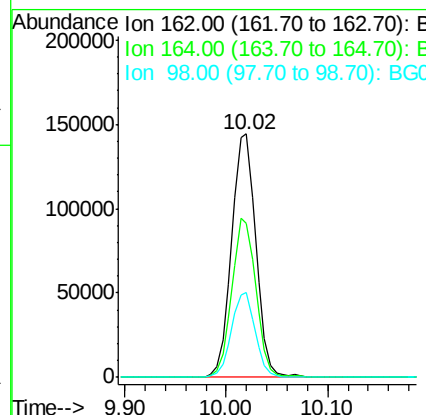
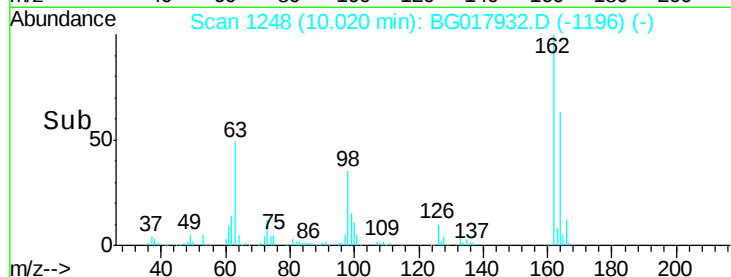
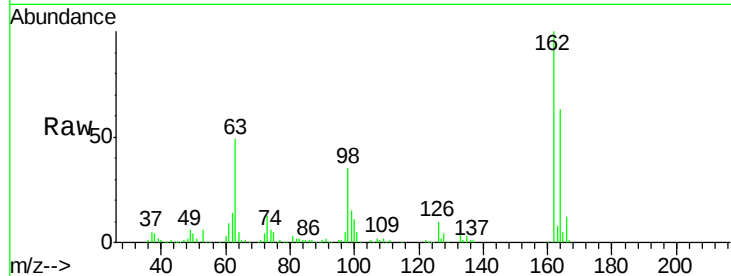
#29  
2,4-Dichlorophenol  
Concen: 45.99 ng  
RT: 10.02 min Scan# 1248  
Delta R.T. 0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 63.2  | 42.5       | 82.5       |
| 98      | 34.8  | 15.1       | 55.1       |

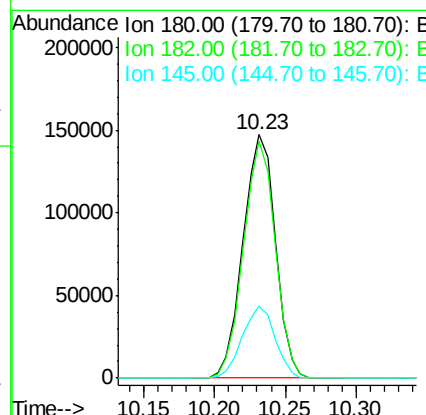
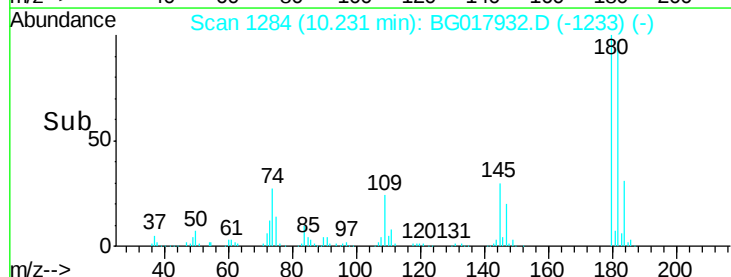
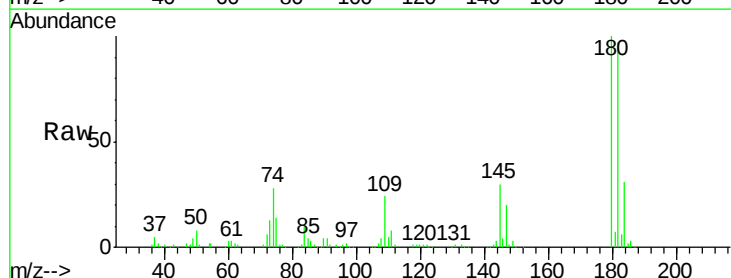
Manual Integrations  
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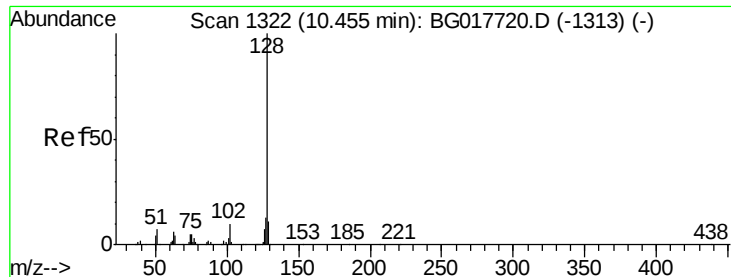
apatel  
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#30  
1,2,4-Trichlorobenzene  
Concen: 38.13 ng  
RT: 10.23 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 97.2  | 75.2       | 112.8      |
| 145     | 29.6  | 24.1       | 36.1       |





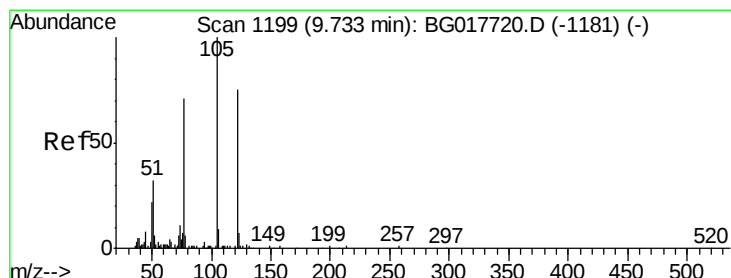
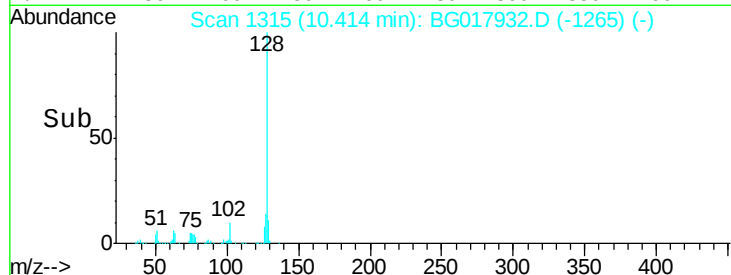
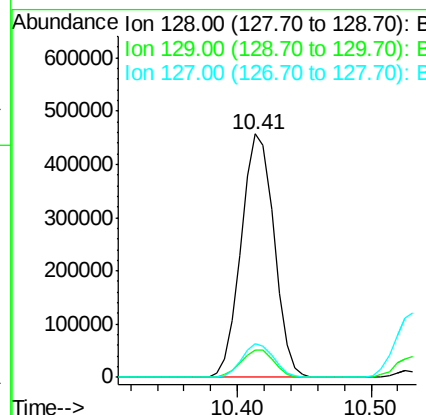
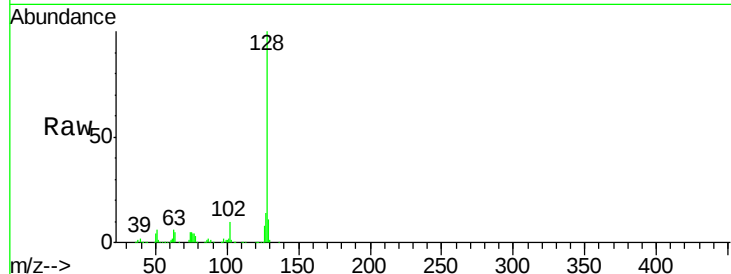
#31  
Naphthalene  
Concen: 38.75 ng  
RT: 10.41 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 779422 |       |       |
| 129     | 11.4  | 9.0    | 13.6  |       |
| 127     | 14.0  | 10.7   | 16.1  |       |

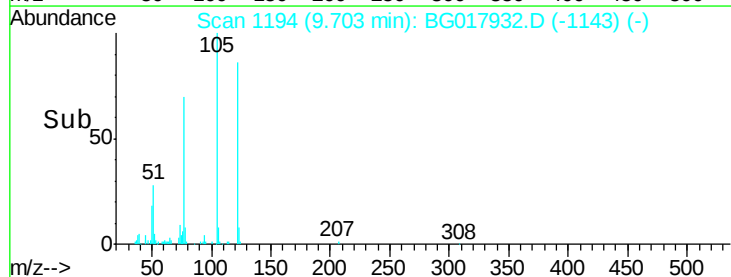
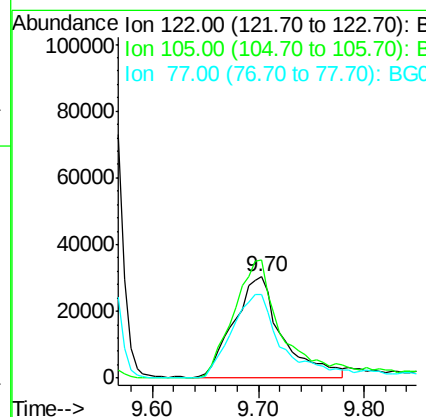
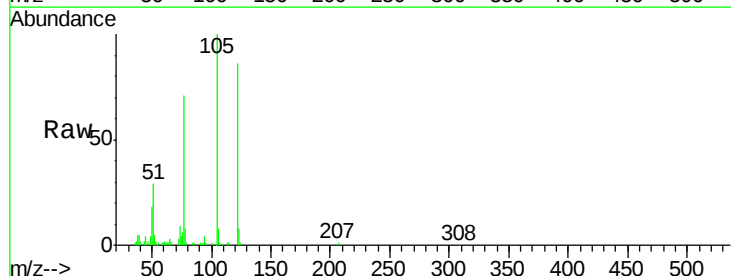
Manual Integrations  
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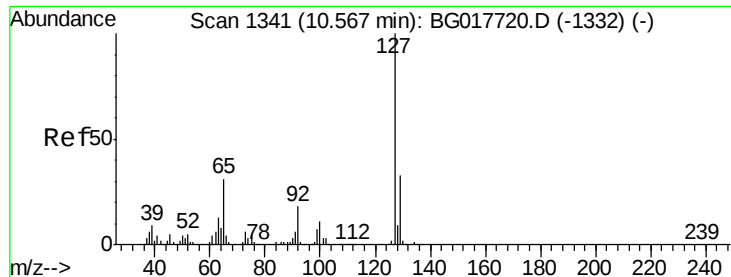
apatel  
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#32  
Benzoic acid  
Concen: 43.73 ng  
RT: 9.70 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 94303 |       |       |
| 105     | 116.3 | 111.3 | 151.3 |       |
| 77      | 82.7  | 75.2  | 115.2 |       |





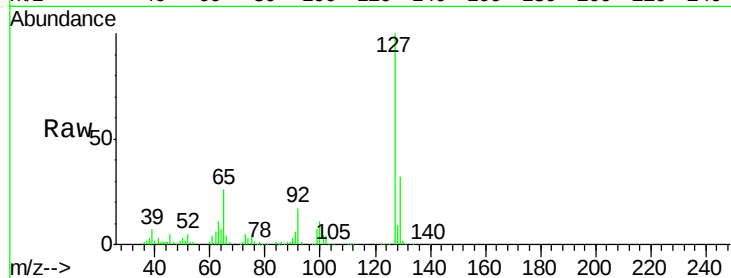
#33  
4-Chloroaniline  
Concen: 22.81 ng  
RT: 10.53 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

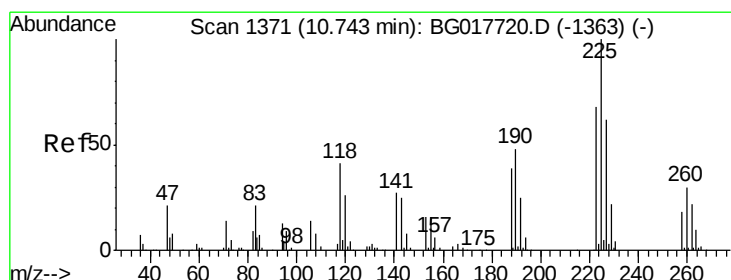
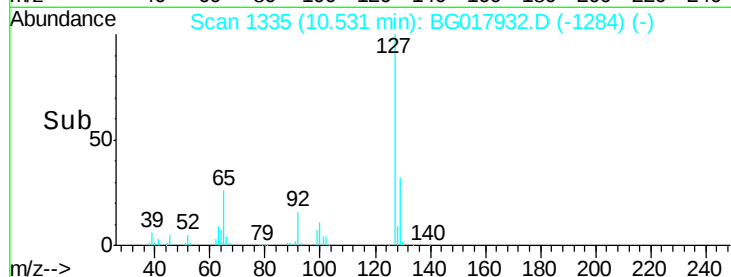
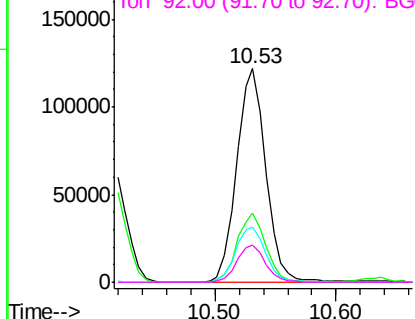
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.4  | 26.7 | 40.1  |       |
| 65      | 26.0  | 24.6 | 37.0  |       |
| 92      | 17.4  | 14.2 | 21.4  |       |

Manual Integrations  
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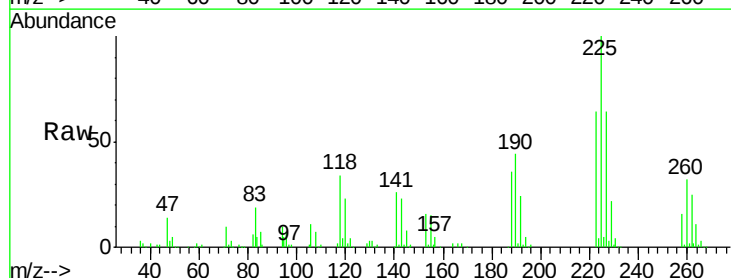


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

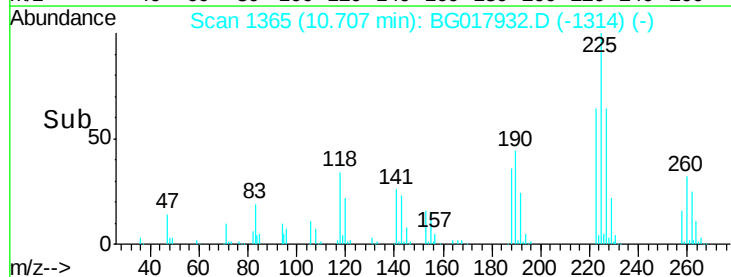
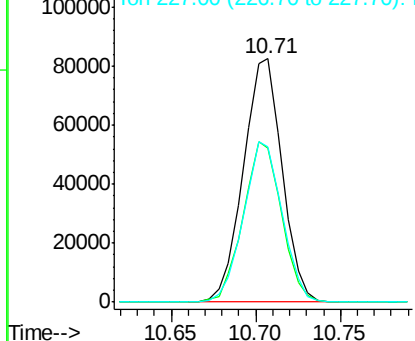


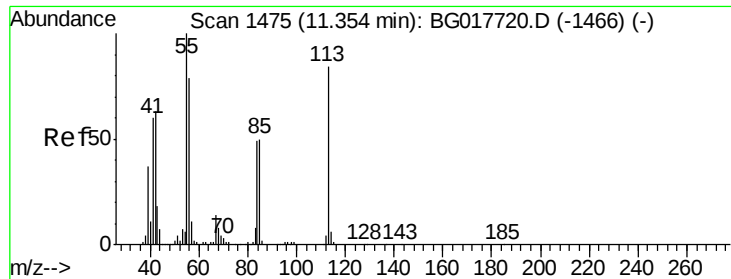
#34  
Hexachlorobutadiene  
Concen: 37.56 ng  
RT: 10.71 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.5  | 54.3 | 81.5  |       |
| 227     | 63.6  | 49.4 | 74.0  |       |



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





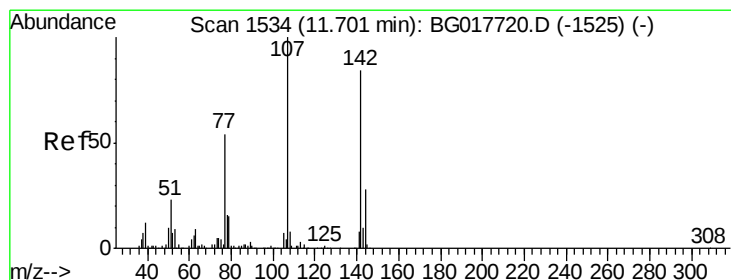
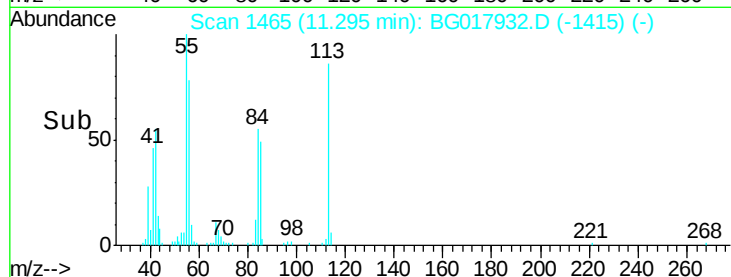
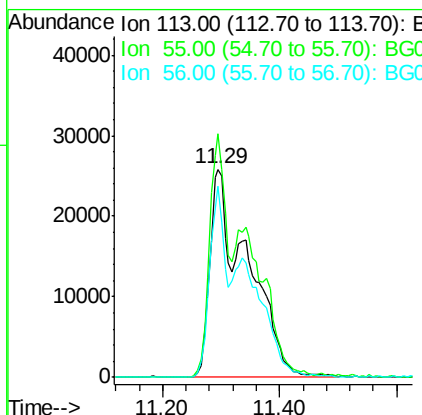
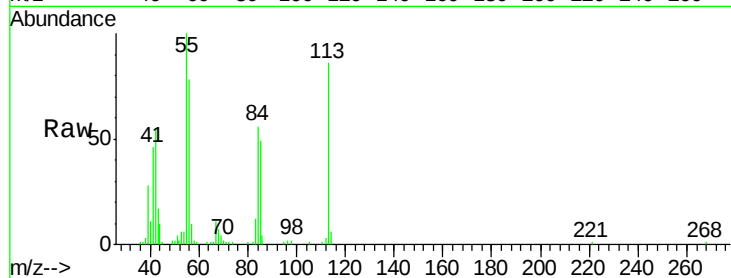
#35  
 Caprolactam  
 Concen: 43.26 ng m  
 RT: 11.29 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 114917 |       |       |
| 55      | 116.9 | 100.8  | 140.8 |       |
| 56      | 91.6  | 75.5   | 115.5 |       |

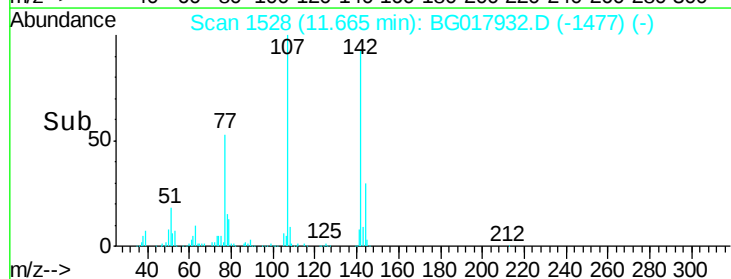
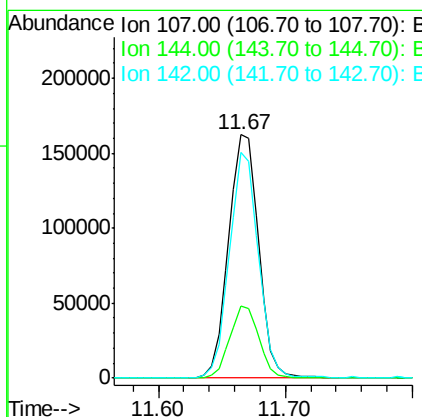
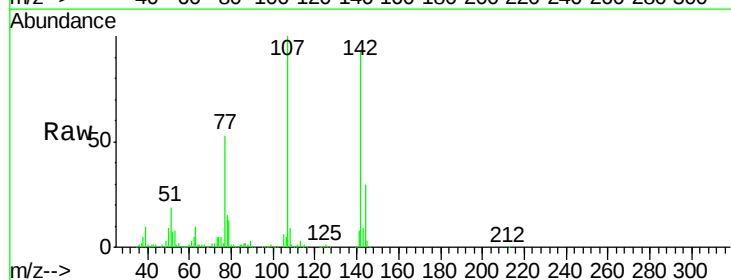
Manual Integrations  
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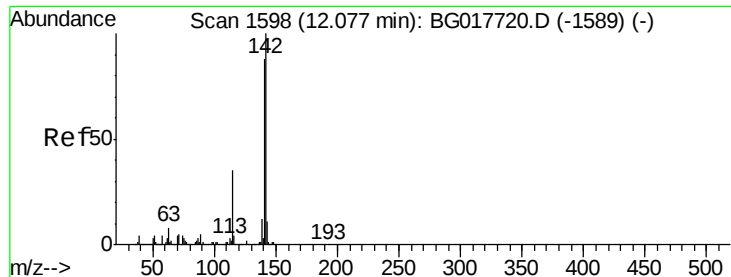
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#36  
 4-Chloro-3-methylphenol  
 Concen: 44.82 ng  
 RT: 11.67 min Scan# 1528  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 265955 |       |       |
| 144     | 29.6  | 22.2   | 33.4  |       |
| 142     | 92.8  | 67.1   | 100.7 |       |





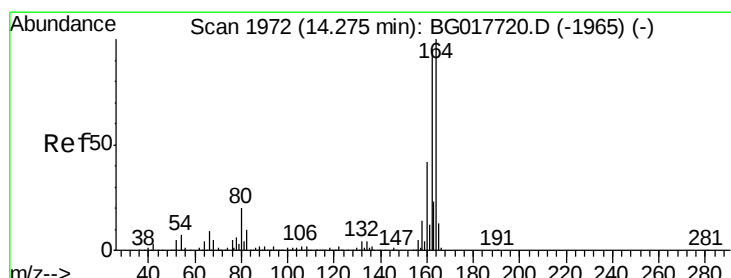
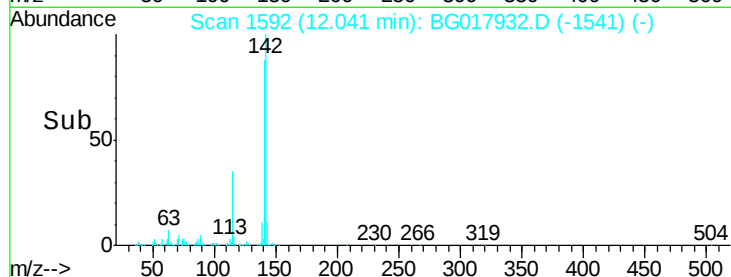
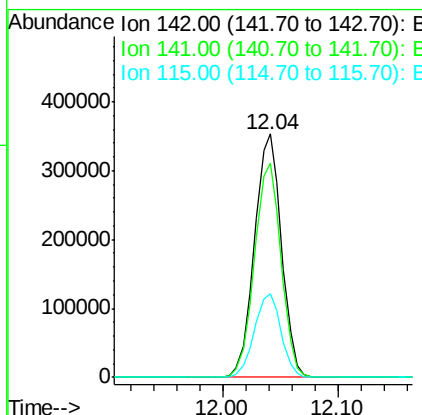
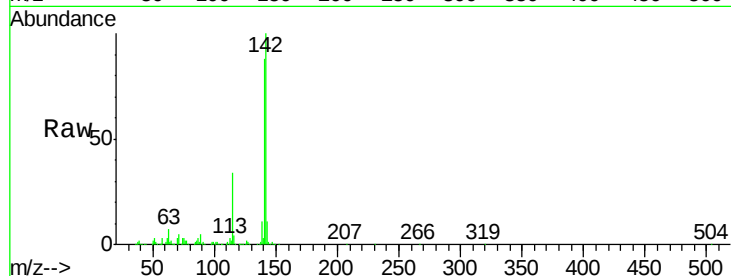
#37  
2-Methylnaphthalene  
Concen: 39.74 ng  
RT: 12.04 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.1  | 70.7  | 106.1 |
| 115     | 34.5  | 27.8  | 41.8  |

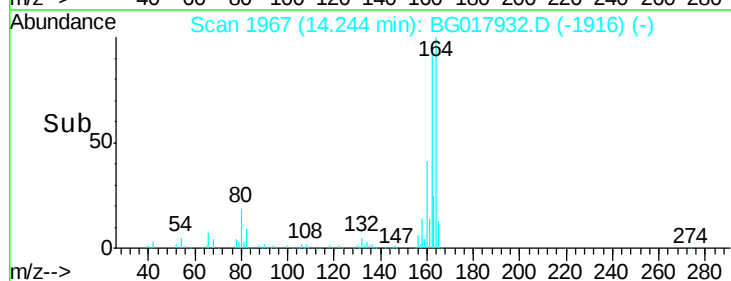
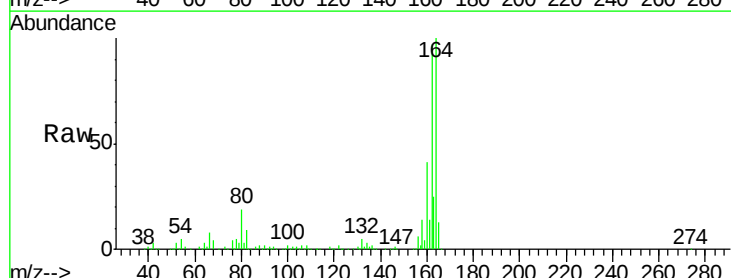
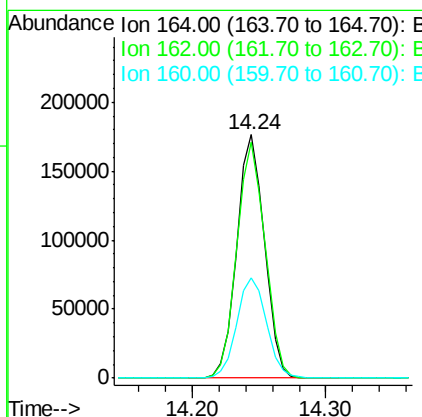
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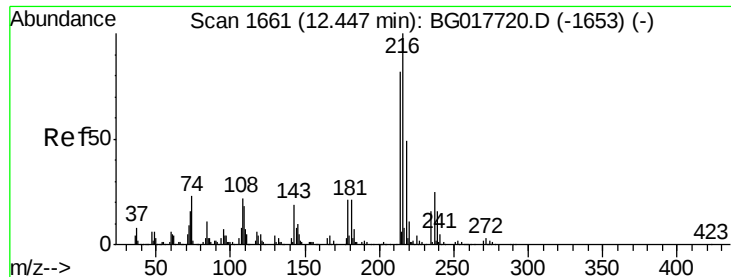
apatel  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.24 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.0  | 76.3  | 114.5 |
| 160     | 41.1  | 33.7  | 50.5  |





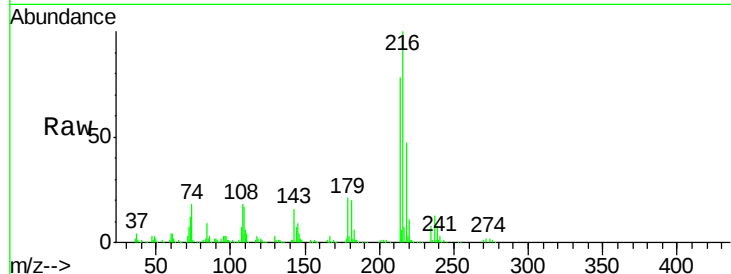
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.12 ng  
 RT: 12.42 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

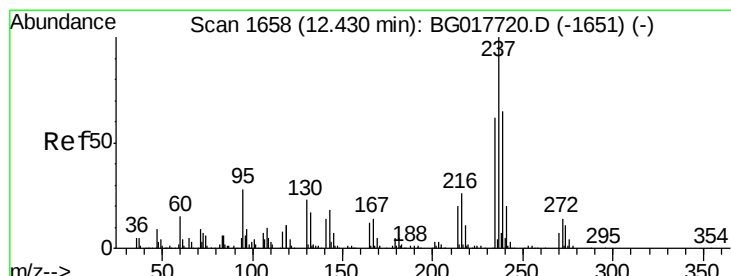
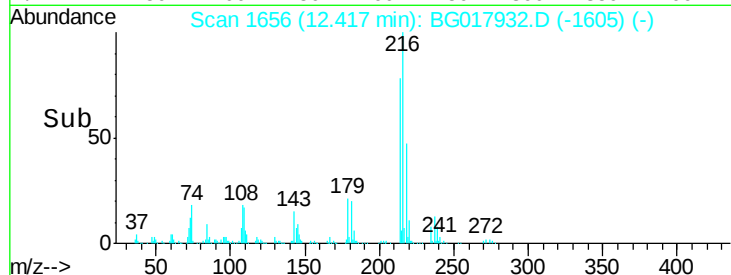
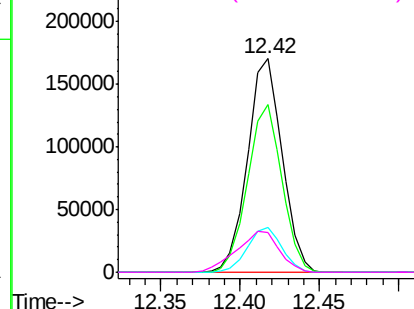
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 258328 |       |       |
| 214     | 78.0  | 64.5   | 96.7  |       |
| 179     | 20.9  | 16.7   | 25.1  |       |
| 108     | 23.7  | 18.6   | 27.8  |       |

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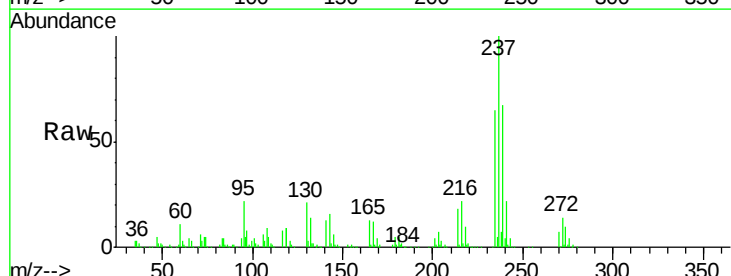


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

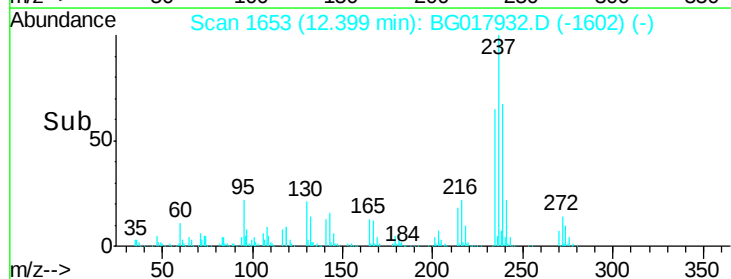
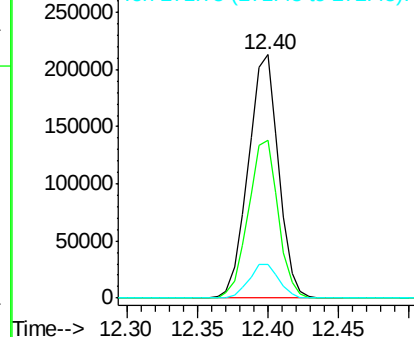


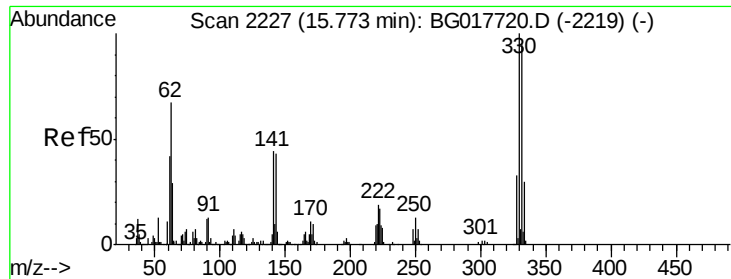
#40  
 Hexachlorocyclopentadiene  
 Concen: 86.46 ng  
 RT: 12.40 min Scan# 1653  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 319520 |       |       |
| 235     | 64.6  | 42.2   | 82.2  |       |
| 272     | 13.9  | 0.0    | 33.9  |       |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E





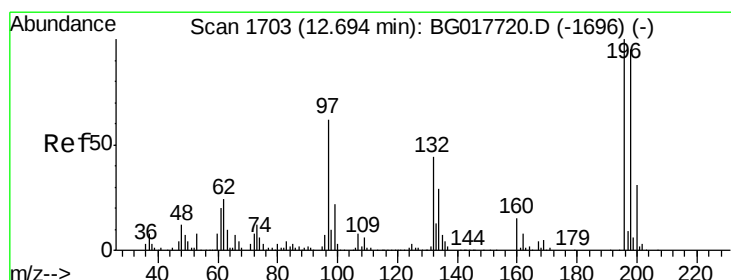
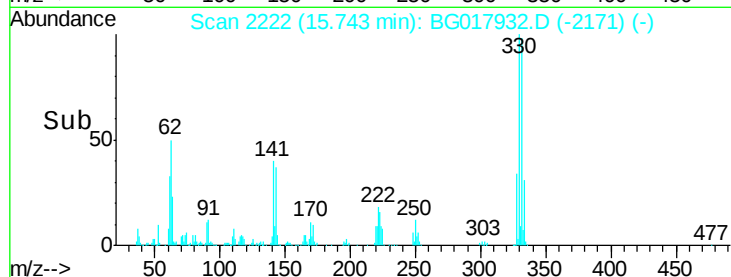
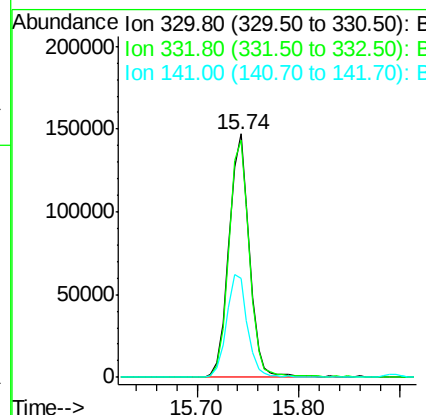
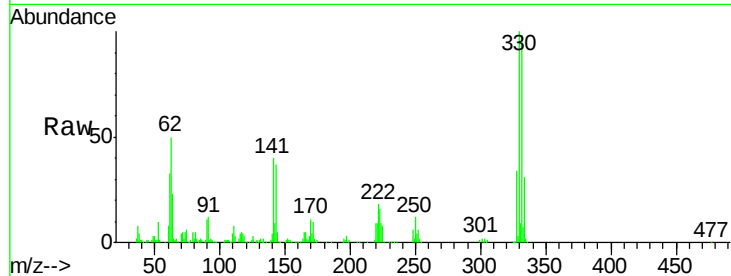
#41  
 2,4,6-Tribromophenol  
 Concen: 80.41 ng  
 RT: 15.74 min Scan# 2222  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 205986 |       |       |
| 332     | 97.2  | 76.8   | 115.2 |       |
| 141     | 43.3  | 38.0   | 57.0  |       |

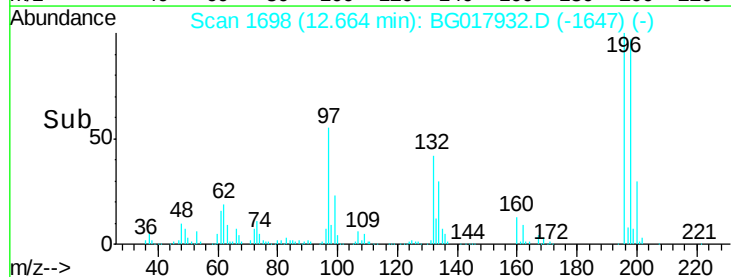
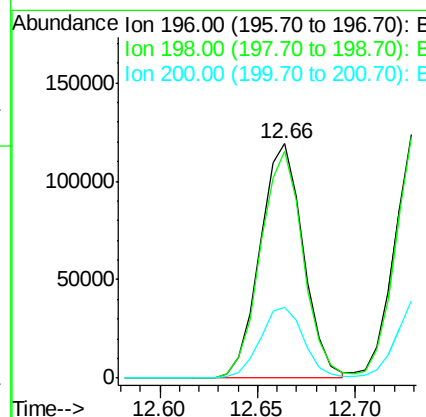
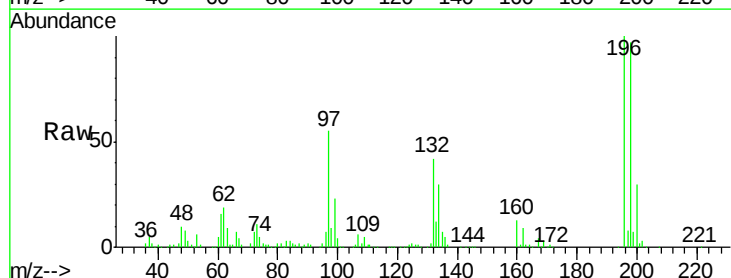
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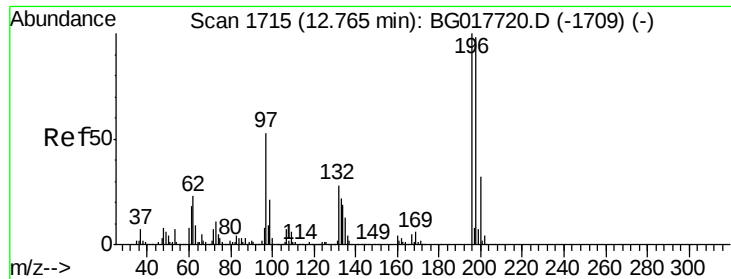
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#42  
 2,4,6-Trichlorophenol  
 Concen: 41.37 ng  
 RT: 12.66 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 182321 |       |       |
| 198     | 97.1  | 76.2   | 114.4 |       |
| 200     | 30.2  | 24.6   | 36.8  |       |





#43

2,4,5-Trichlorophenol

Concen: 44.35 ng

RT: 12.73 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BG017932.D

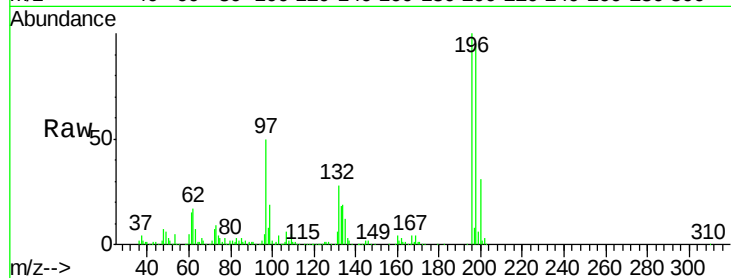
Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

ClientSampleId :

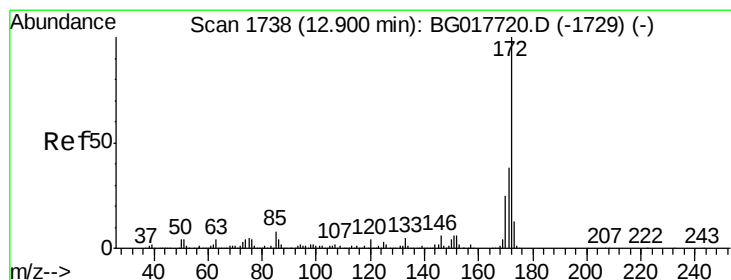
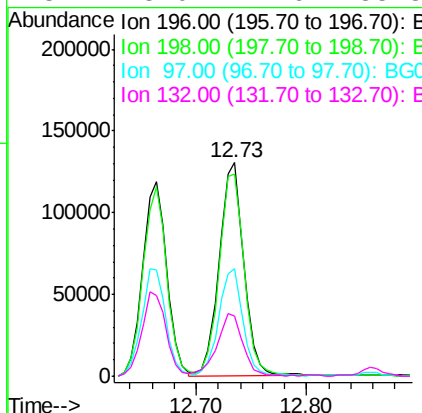
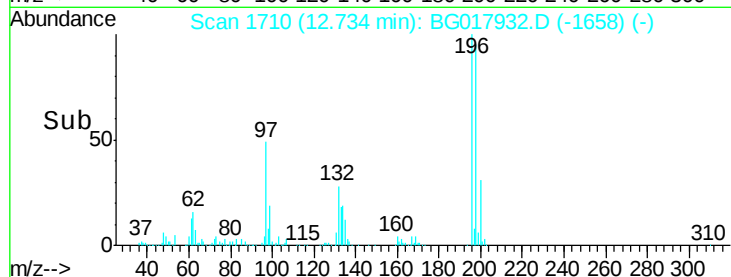
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| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 203270 |       |       |
| 198     | 94.6  | 78.1   | 117.1 |       |
| 97      | 50.4  | 42.6   | 64.0  |       |
| 132     | 28.0  | 22.6   | 33.8  |       |

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#44

2-Fluorobiphenyl

Concen: 82.16 ng

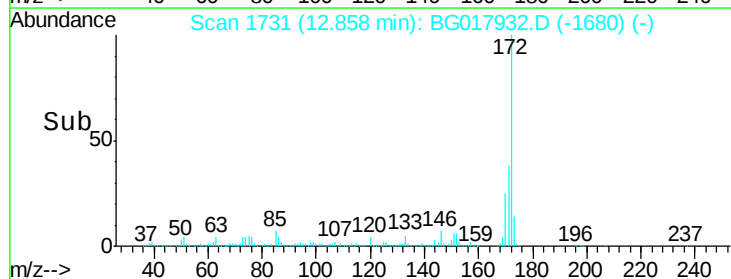
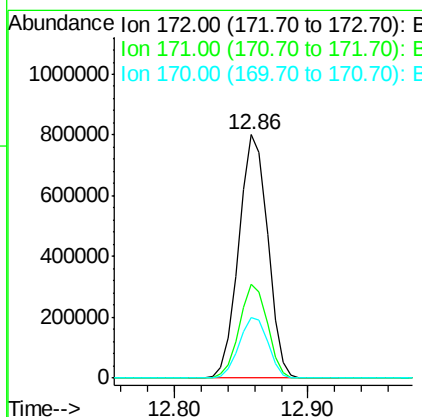
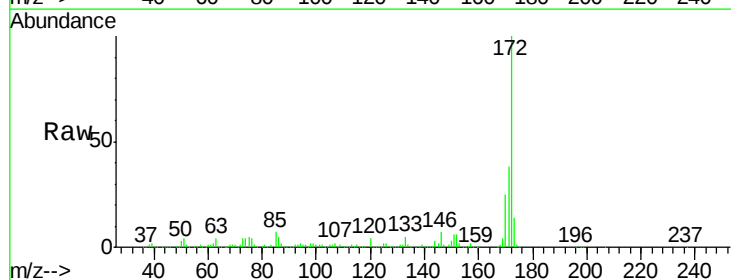
RT: 12.86 min Scan# 1731

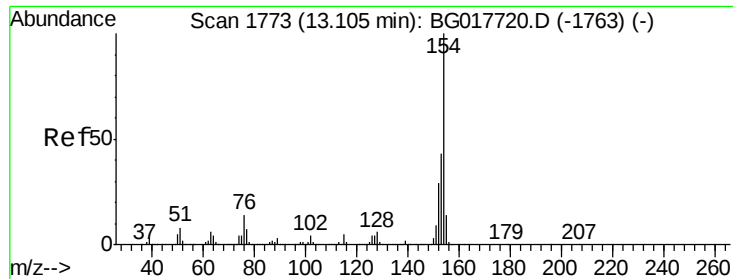
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1198728 |       |       |
| 171     | 38.5  | 30.7    | 46.1  |       |
| 170     | 24.9  | 19.7    | 29.5  |       |





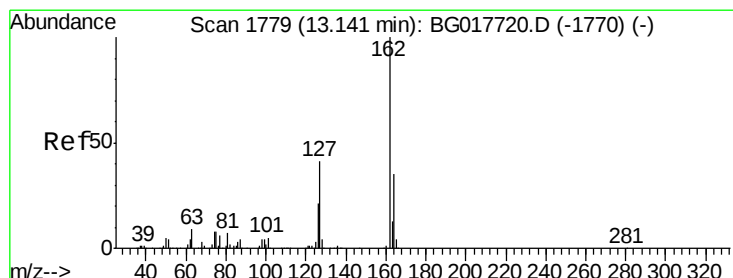
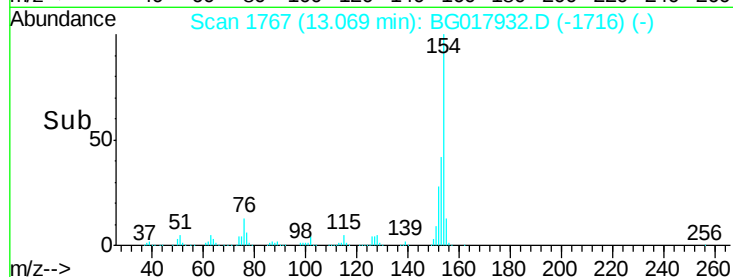
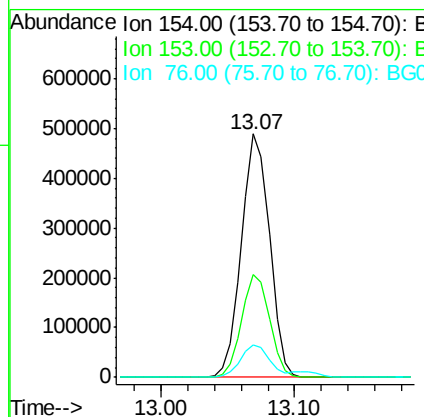
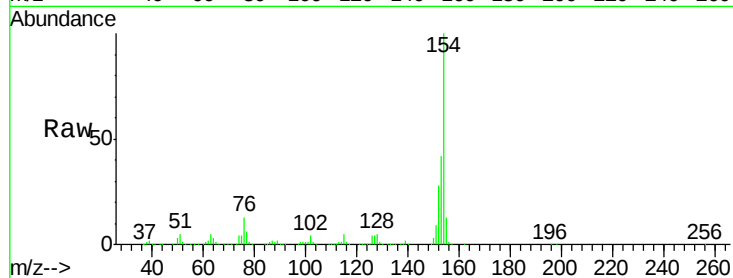
#45  
 1,1'-Biphenyl  
 Concen: 40.24 ng  
 RT: 13.07 min Scan# 1767  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 712274 |       |       |
| 153     | 42.4  | 23.5   | 63.5  |       |
| 76      | 13.3  | 0.0    | 33.7  |       |

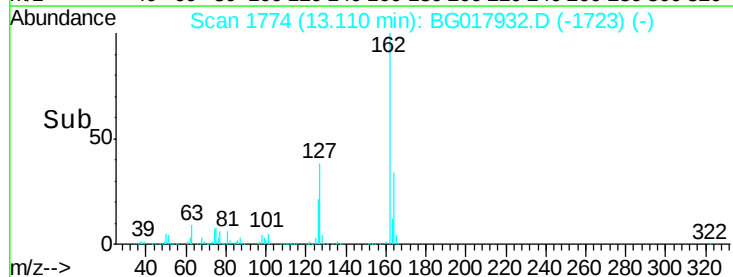
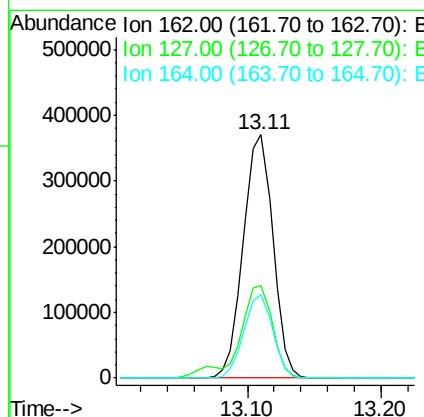
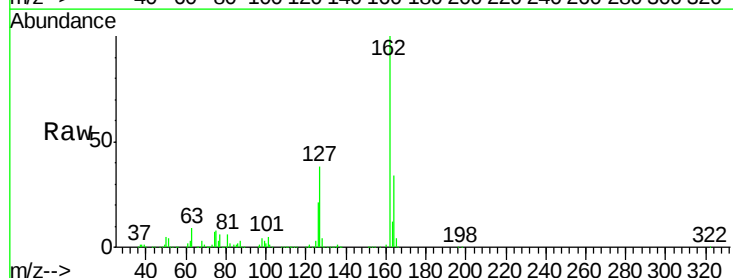
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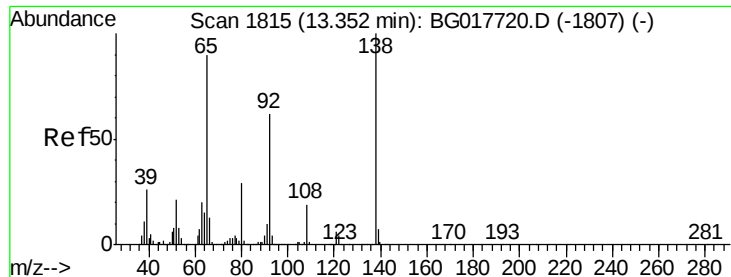
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#46  
 2-Chloronaphthalene  
 Concen: 39.67 ng  
 RT: 13.11 min Scan# 1774  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 569104 |       |       |
| 127     | 38.0  | 33.2   | 49.8  |       |
| 164     | 34.1  | 27.7   | 41.5  |       |





#47

2-Nitroaniline

Concen: 41.99 ng

RT: 13.32 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

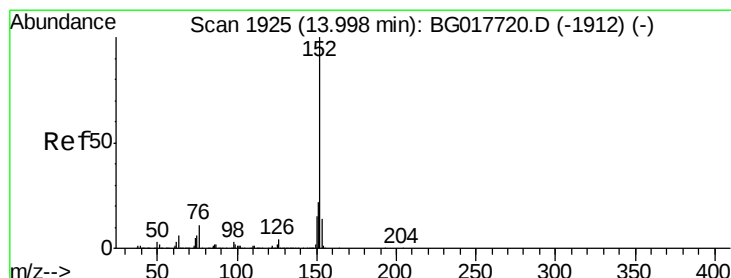
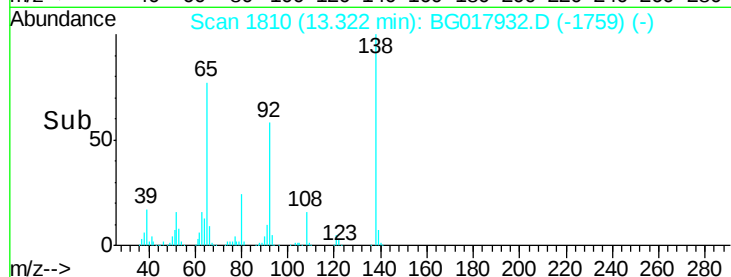
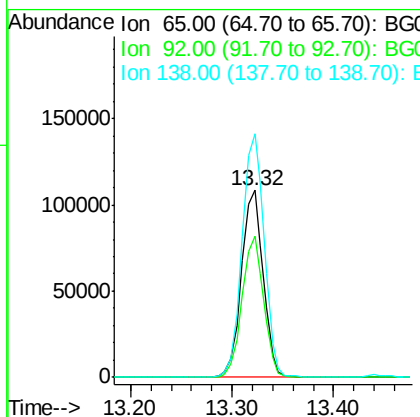
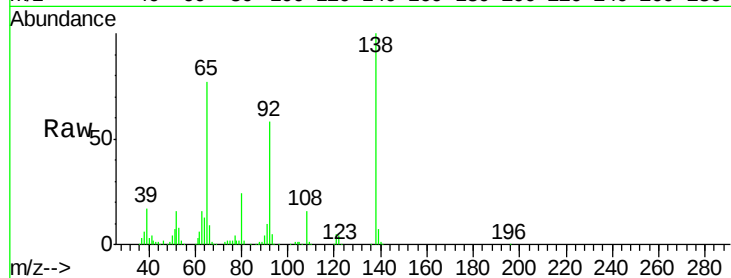
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 161725 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 75.9  | 55.4  | 83.2   |
| 138       | 130.4 | 89.1  | 133.7  |

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#48

Acenaphthylene

Concen: 39.91 ng

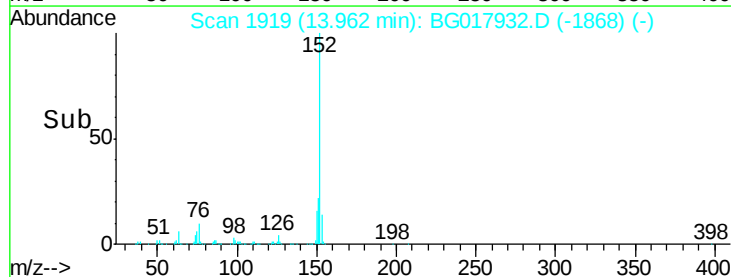
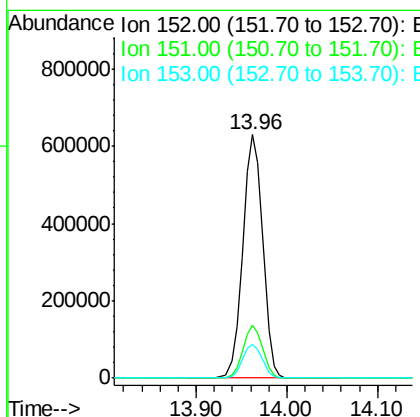
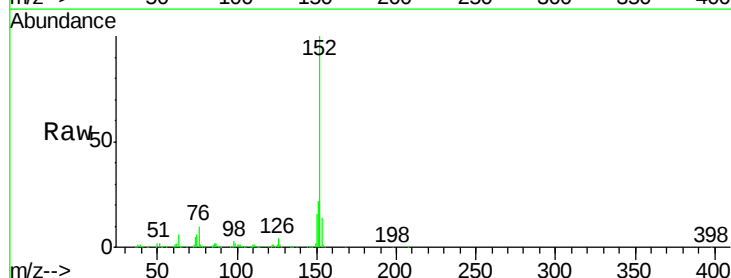
RT: 13.96 min Scan# 1919

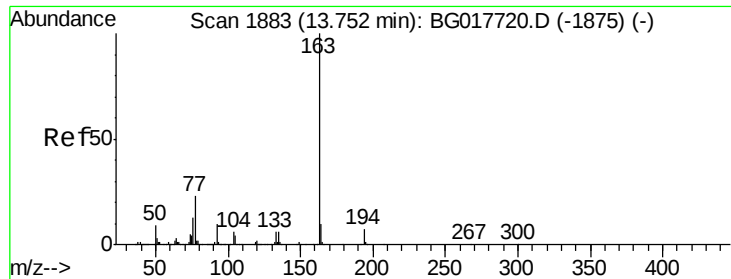
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 954738 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.9  | 17.4  | 26.2   |
| 153       | 14.1  | 11.0  | 16.6   |





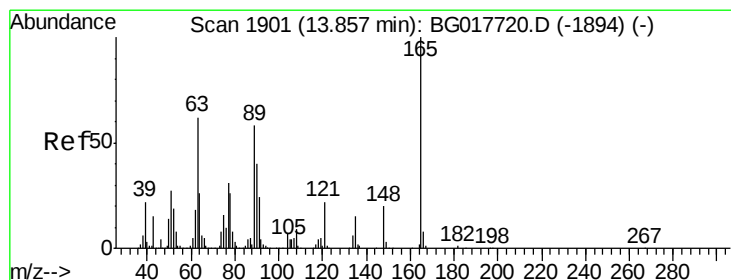
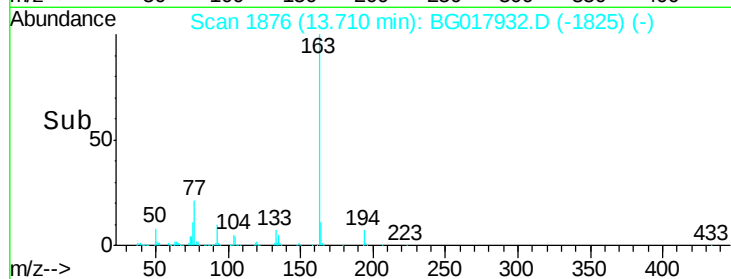
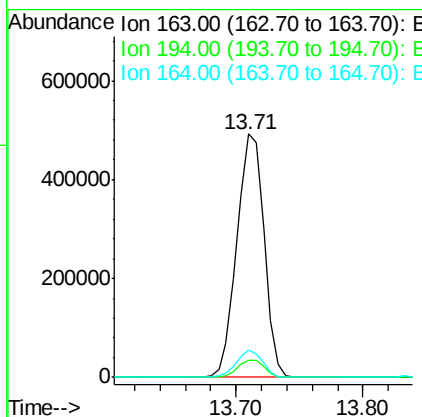
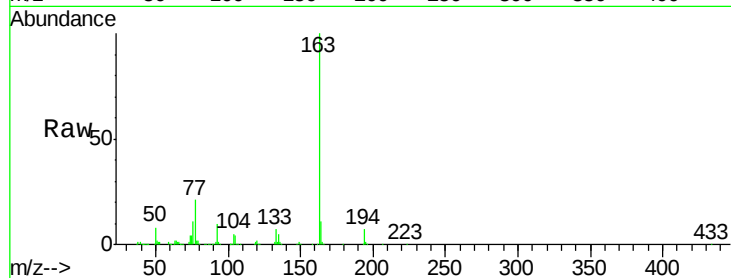
#49  
Dimethylphthalate  
Concen: 41.48 ng  
RT: 13.71 min Scan# 1876  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 728549 |       |       |
| 194     | 7.2   |        | 5.8   | 8.6   |
| 164     | 11.3  |        | 8.3   | 12.5  |

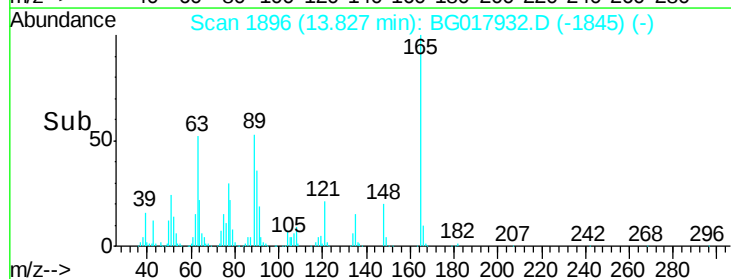
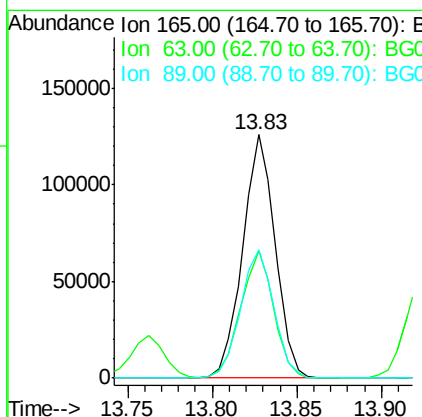
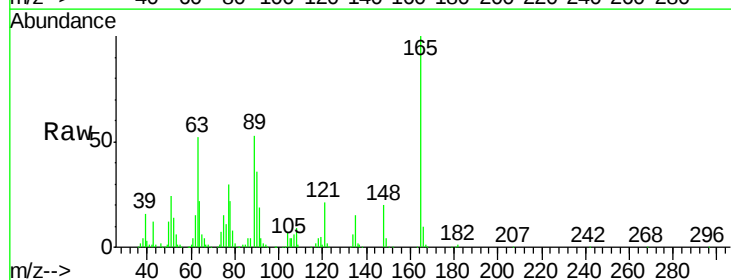
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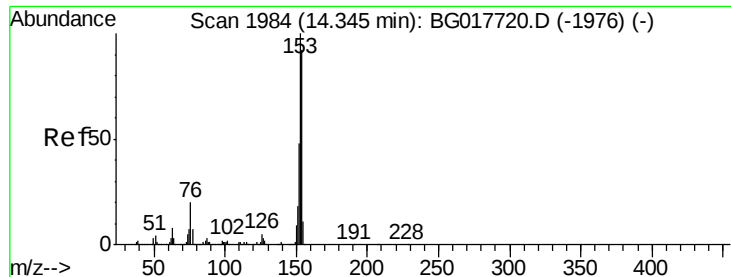
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#50  
2,6-Dinitrotoluene  
Concen: 42.34 ng  
RT: 13.83 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 168510 |       |       |
| 63      | 52.0  |        | 50.2  | 75.2  |
| 89      | 53.0  |        | 46.6  | 69.8  |





#51

Acenaphthene

Concen: 39.64 ng

RT: 14.31 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

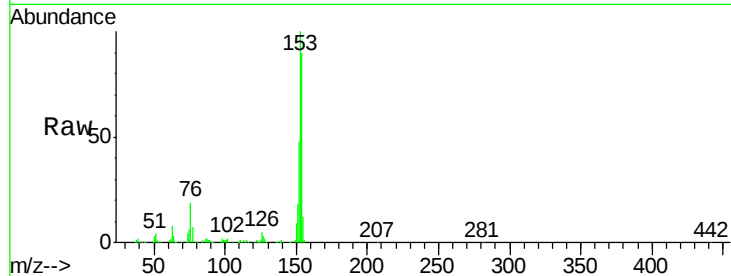
ClientSampleId :

PB84519BSD

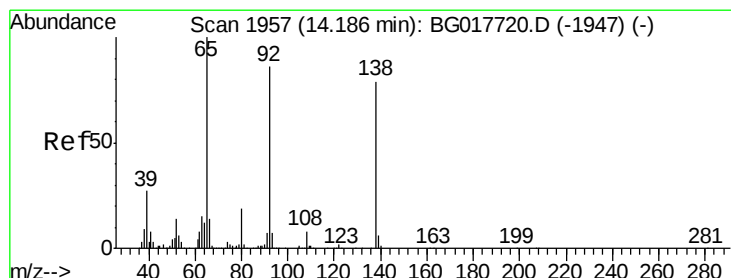
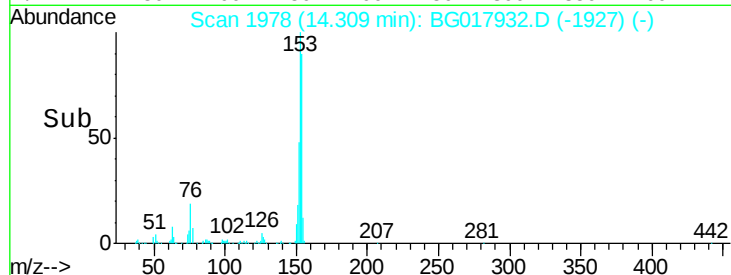
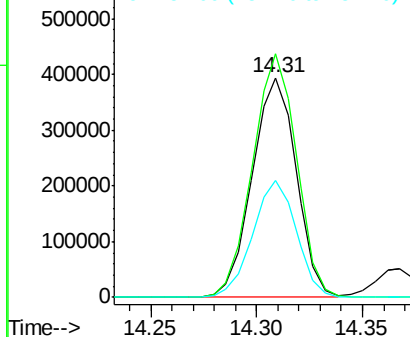
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 574260 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 110.8 | 87.0  | 130.4  |
| 152       | 53.3  | 41.4  | 62.0   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.01 ng

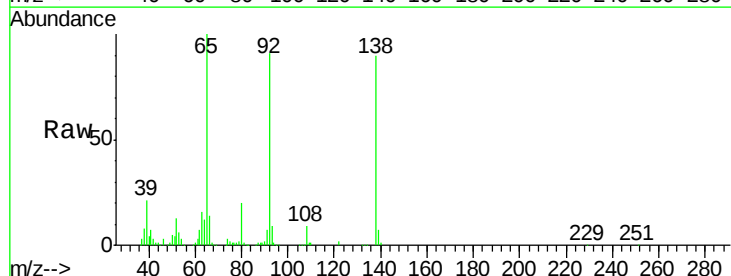
RT: 14.16 min Scan# 1952

Delta R.T. -0.00 min

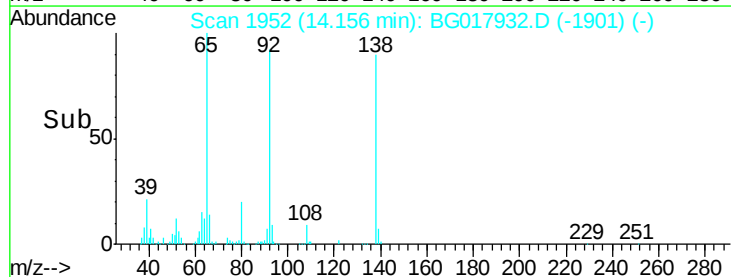
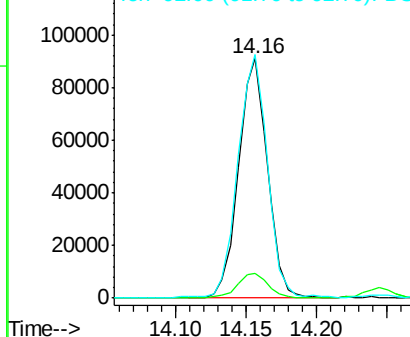
Lab File: BG017932.D

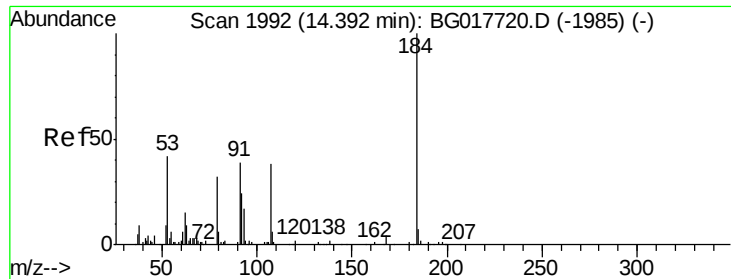
Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 129794 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.5  | 8.2   | 12.4   |
| 92        | 101.6 | 87.4  | 131.0  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BG





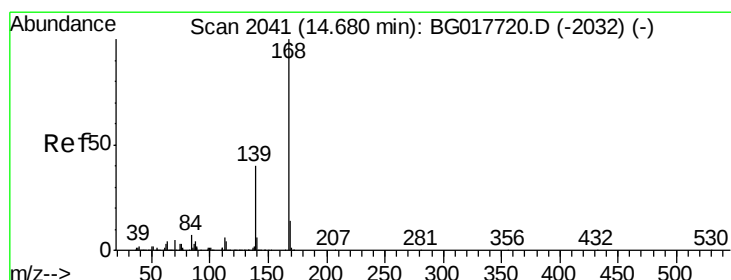
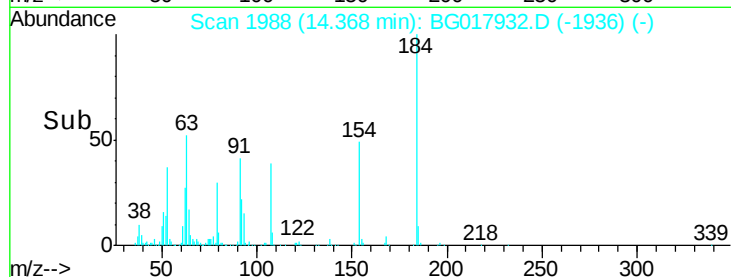
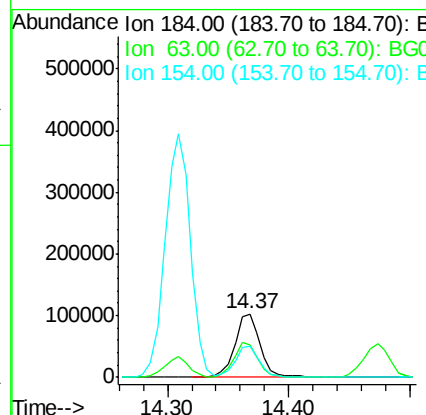
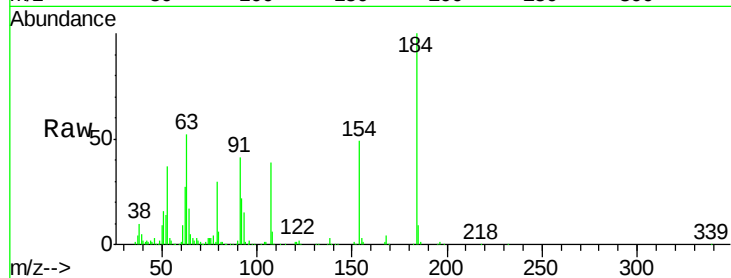
#53  
2,4-Dinitrophenol  
Concen: 71.35 ng  
RT: 14.37 min Scan# 1988  
Delta R.T. 0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 148437 |       |       |
| 63      | 52.2  | 47.8   | 71.6  |       |
| 154     | 49.0  | 39.3   | 58.9  |       |

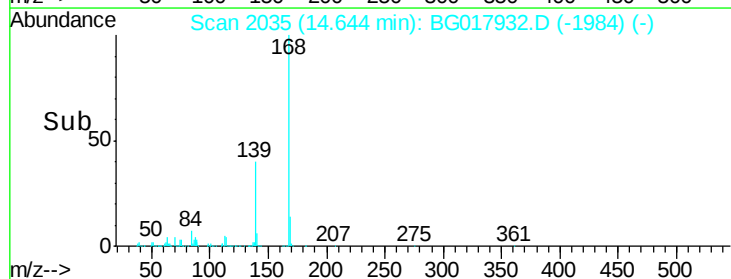
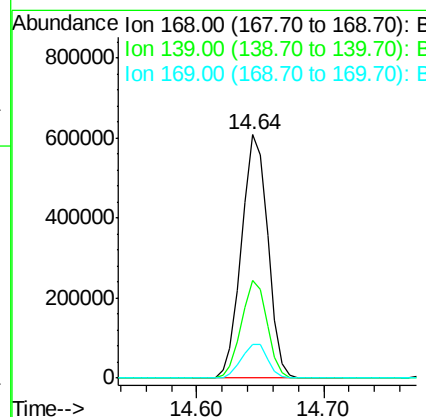
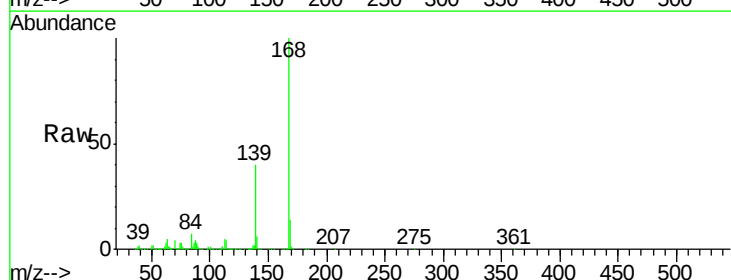
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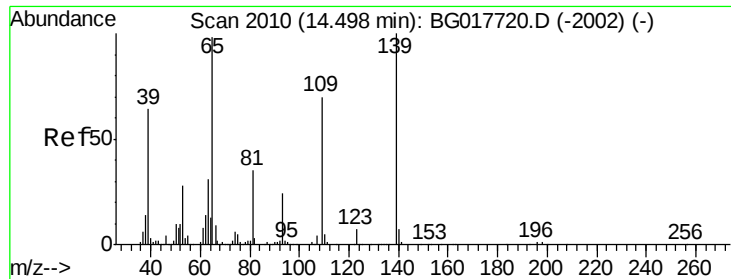
apatel  
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#54  
Dibenzofuran  
Concen: 41.70 ng  
RT: 14.64 min Scan# 2035  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 871590 |       |       |
| 139     | 40.0  | 32.2   | 48.2  |       |
| 169     | 14.0  | 11.3   | 16.9  |       |





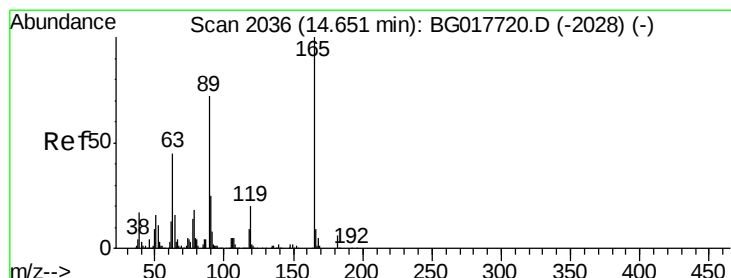
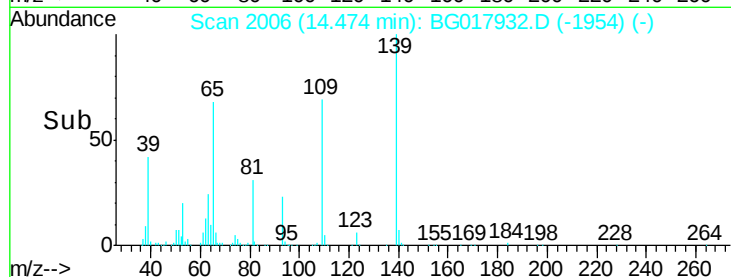
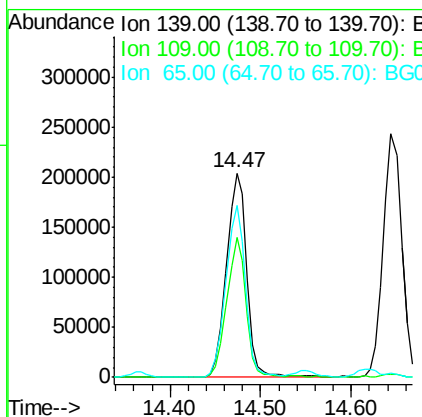
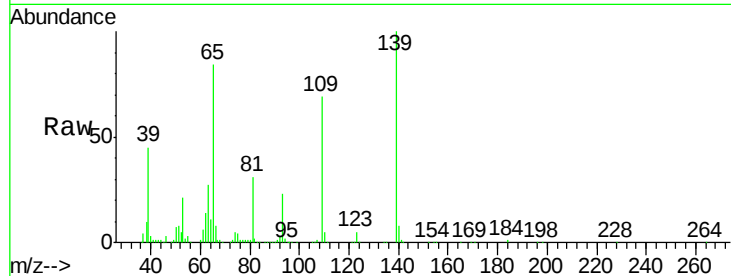
#55  
4-Nitrophenol  
Concen: 89.70 ng  
RT: 14.47 min Scan# 2006  
Delta R.T. 0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 317496 |       |       |
| 109     | 68.8  | 50.3   | 90.3  |       |
| 65      | 84.3  | 78.8   | 118.8 |       |

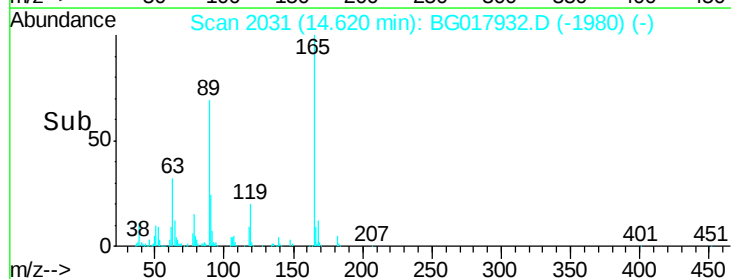
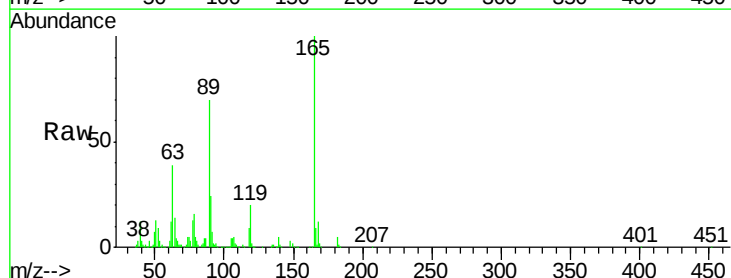
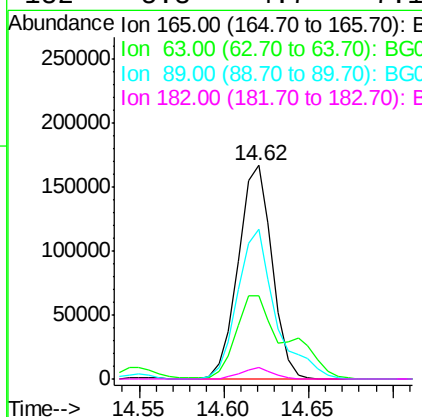
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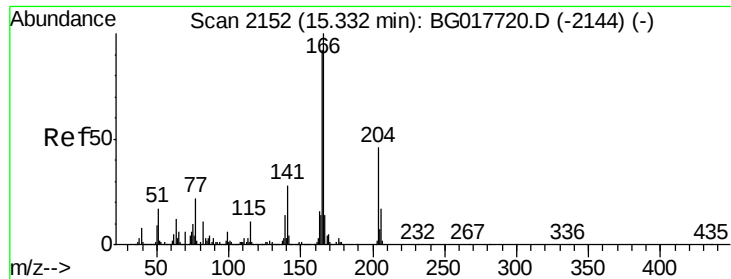
apatel  
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#56  
2,4-Dinitrotoluene  
Concen: 43.52 ng  
RT: 14.62 min Scan# 2031  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 232309 |       |       |
| 63      | 38.9  | 36.2   | 54.4  |       |
| 89      | 70.1  | 57.9   | 86.9  |       |
| 182     | 5.3   | 4.7    | 7.1   |       |





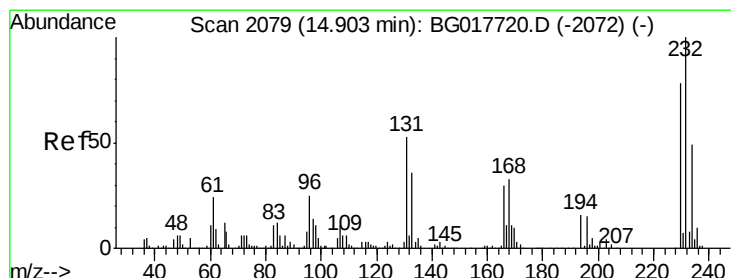
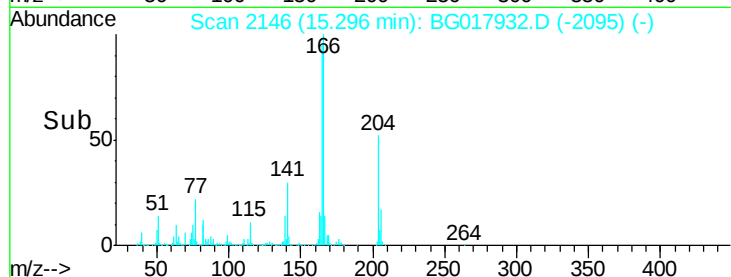
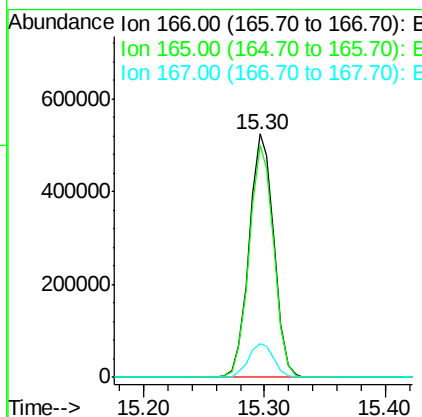
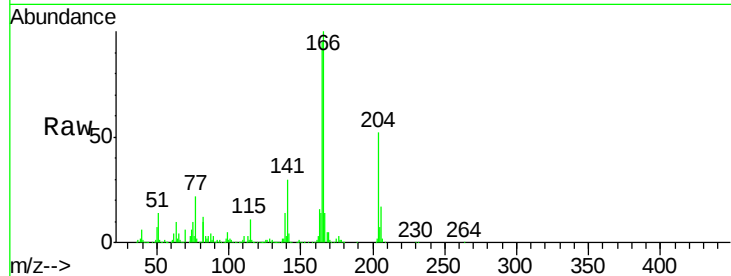
#57  
**Fluorene**  
 Concen: 41.44 ng  
 RT: 15.30 min Scan# 2146  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 744554 |       |       |
| 165     | 95.1  | 73.4   | 110.0 |       |
| 167     | 14.1  | 11.0   | 16.6  |       |

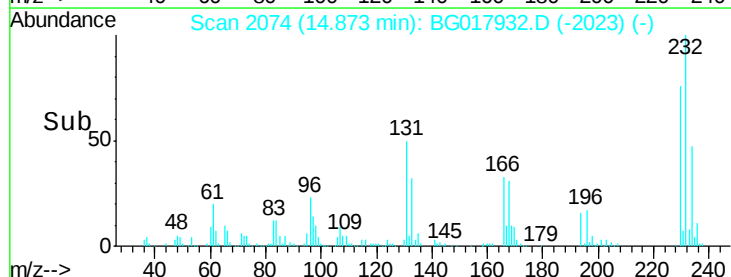
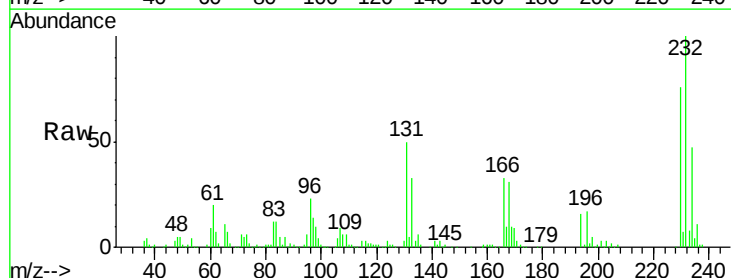
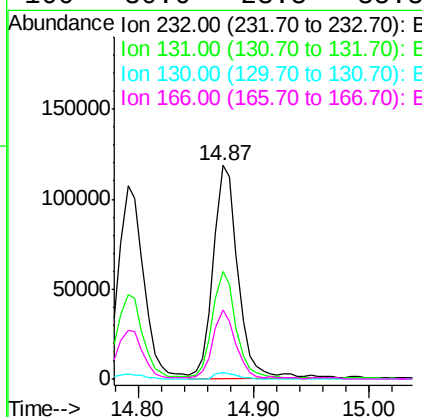
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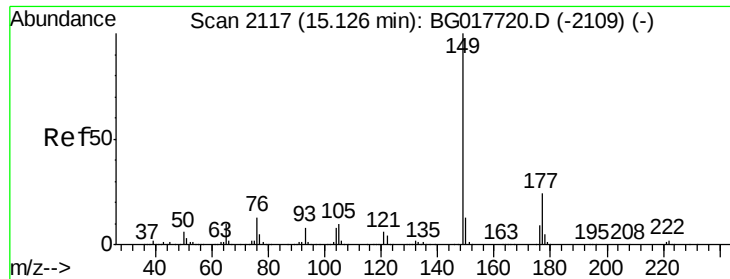
apatel  
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#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 44.31 ng  
 RT: 14.87 min Scan# 2074  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 175068 |       |       |
| 131     | 49.0  | 40.8   | 61.2  |       |
| 130     | 2.5   | 2.4    | 3.6   |       |
| 166     | 30.6  | 23.8   | 35.8  |       |





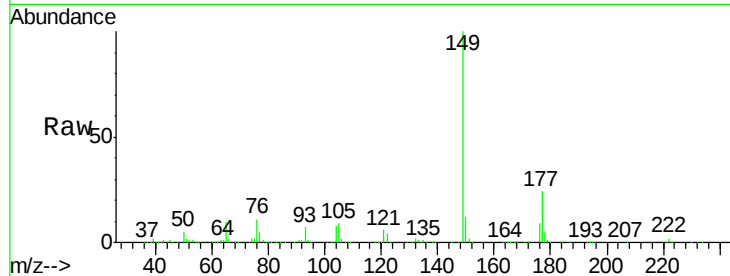
#59  
Diethylphthalate  
Concen: 42.49 ng  
RT: 15.08 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

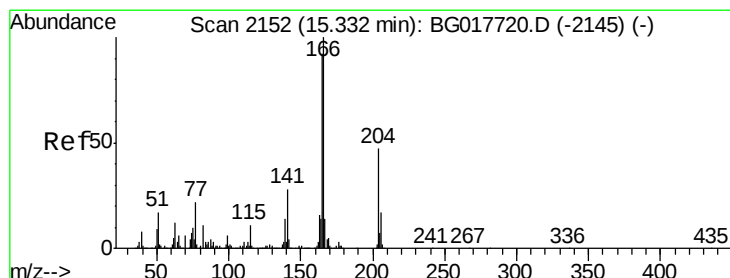
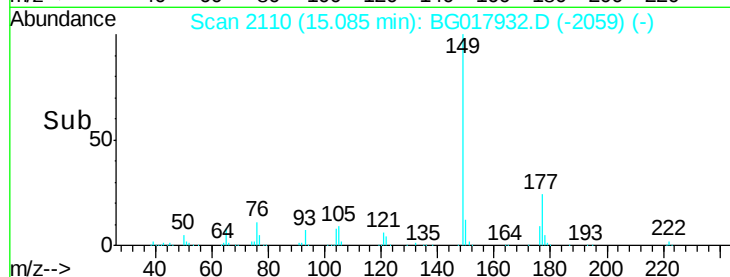
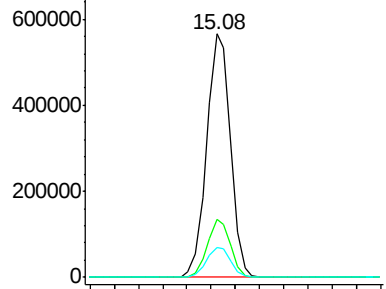
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 772937 |       |       |
| 177     | 23.6  | 19.1   | 28.7  |       |
| 150     | 12.3  | 10.3   | 15.5  |       |

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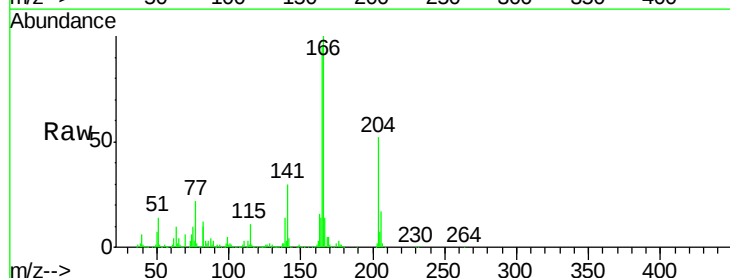


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

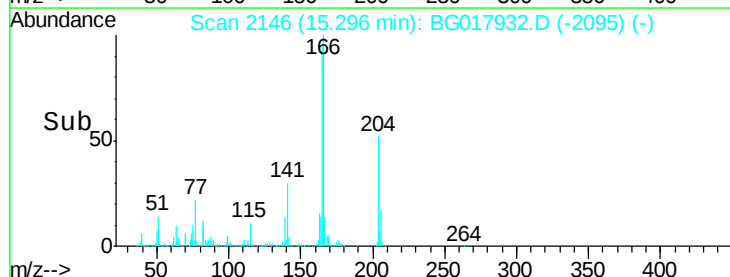
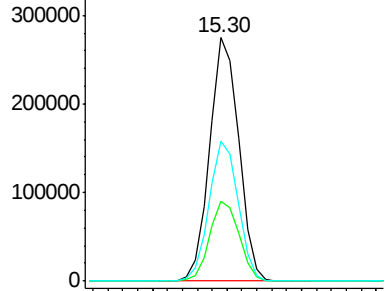


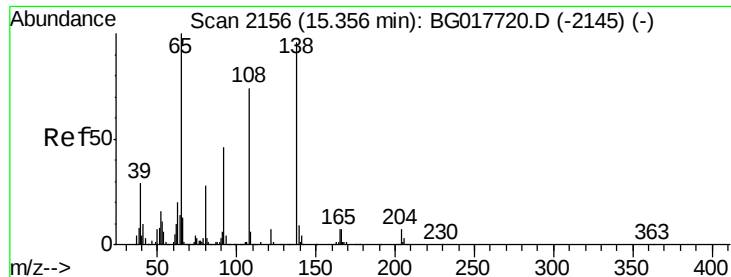
#60  
4-Chlorophenyl-phenylether  
Concen: 42.20 ng  
RT: 15.30 min Scan# 2146  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 371724 |       |       |
| 206     | 33.0  | 28.6   | 42.8  |       |
| 141     | 57.6  | 49.0   | 73.4  |       |



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





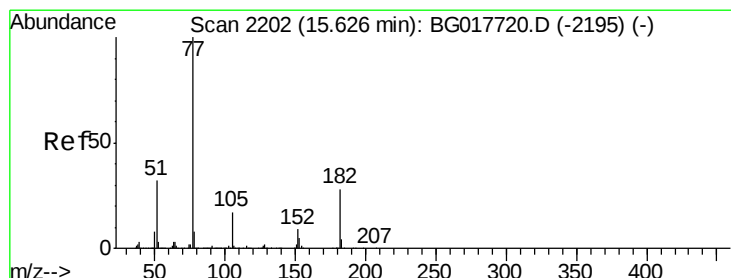
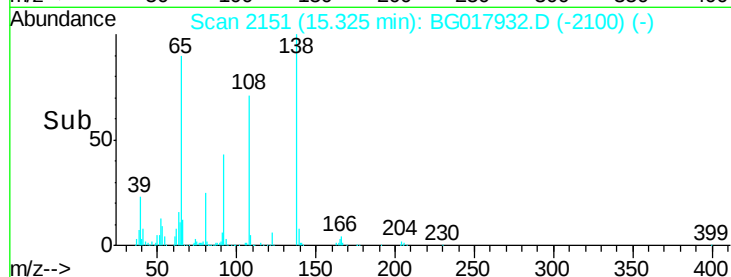
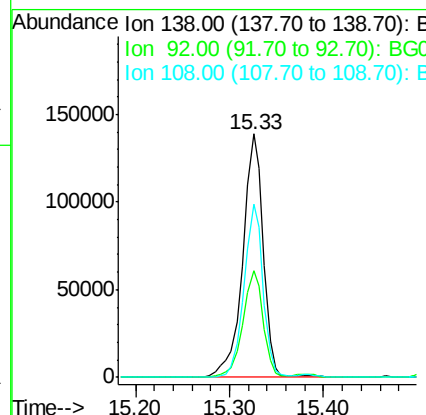
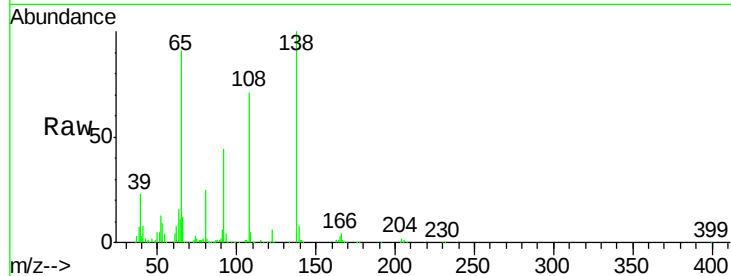
#61  
4-Nitroaniline  
Concen: 40.13 ng  
RT: 15.33 min Scan# 2151  
Delta R.T. 0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 43.6  | 27.7  | 67.7  |
| 108     | 71.2  | 57.8  | 97.8  |

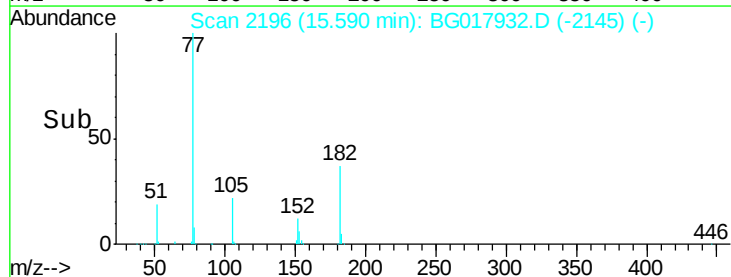
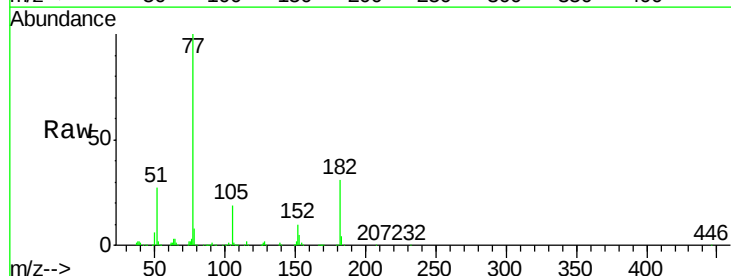
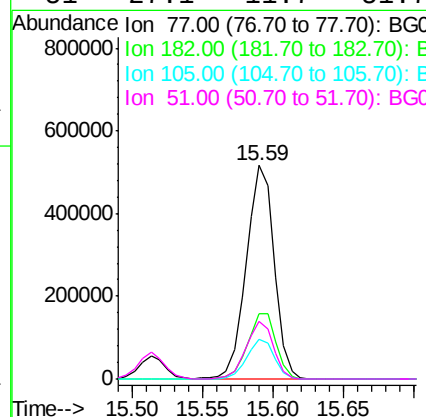
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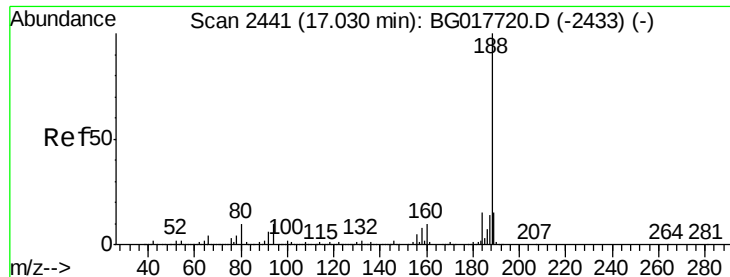
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#62  
Azobenzene  
Concen: 42.51 ng  
RT: 15.59 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 30.6  | 8.2   | 48.2  |
| 105     | 18.7  | 0.0   | 36.6  |
| 51      | 27.1  | 11.7  | 51.7  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.99 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

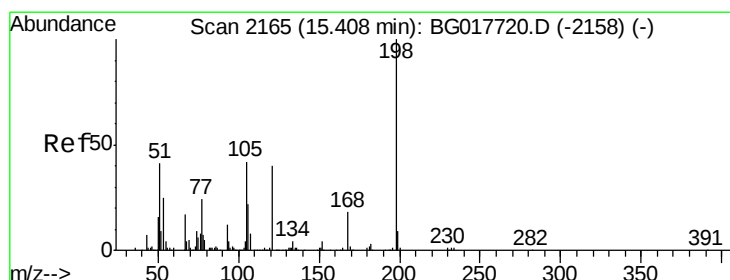
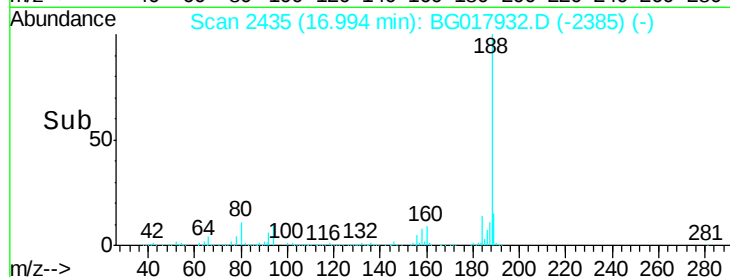
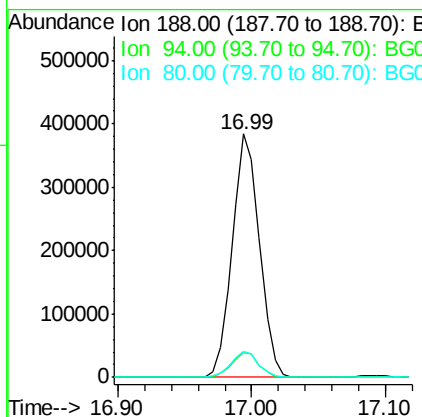
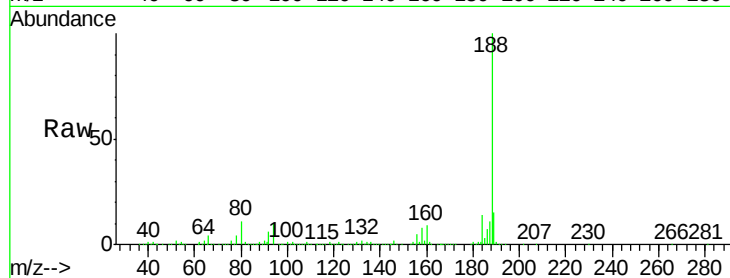
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 545555 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.0  | 8.2   | 12.2   |
| 80        | 10.8  | 8.2   | 12.4   |

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#64

4,6-Dinitro-2-methylphenol

Concen: 41.13 ng

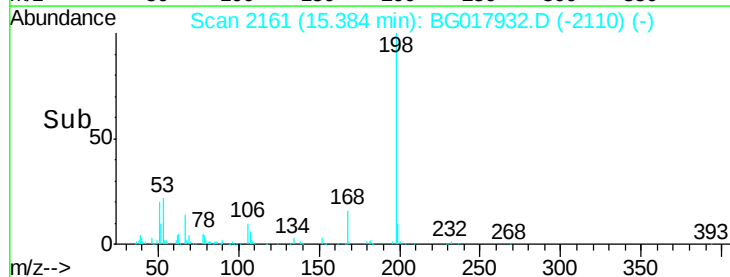
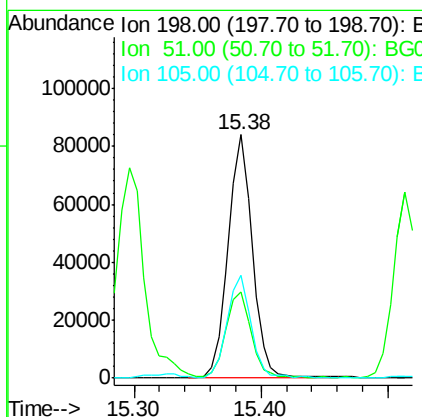
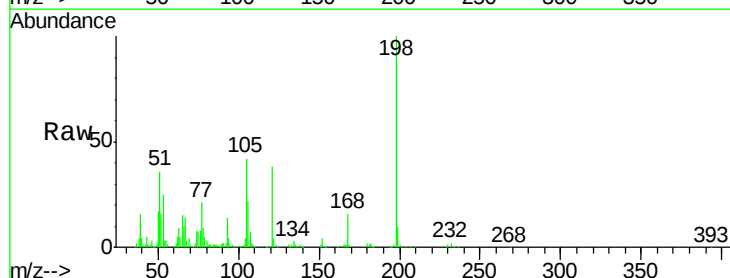
RT: 15.38 min Scan# 2161

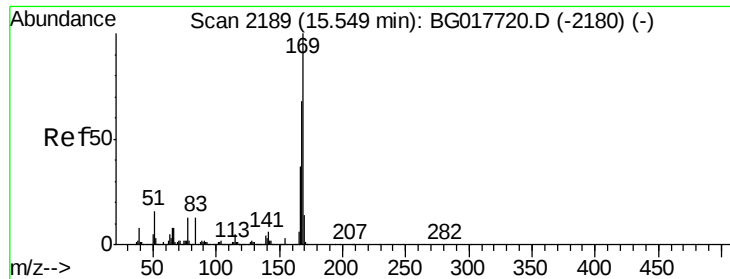
Delta R.T. 0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 198   | Resp: | 111616 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 35.6  | 27.0  | 67.0   |
| 105       | 42.3  | 23.3  | 63.3   |





#65

n-Nitrosodiphenylamine

Concen: 39.68 ng

RT: 15.51 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

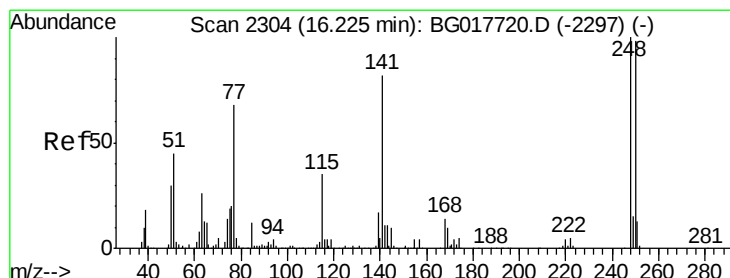
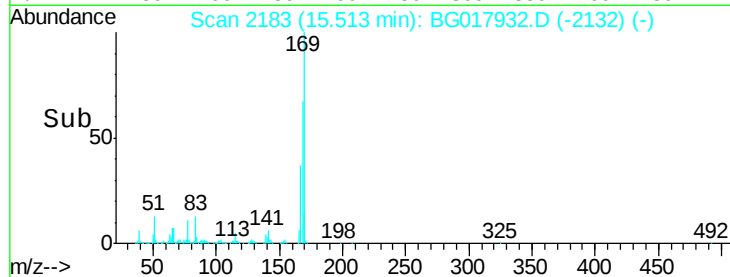
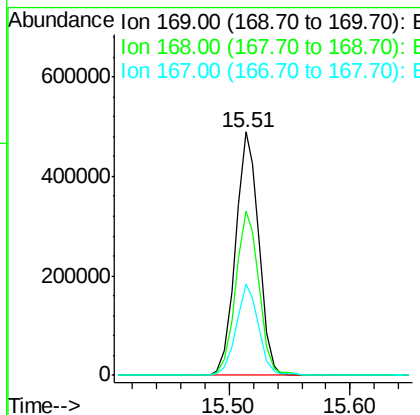
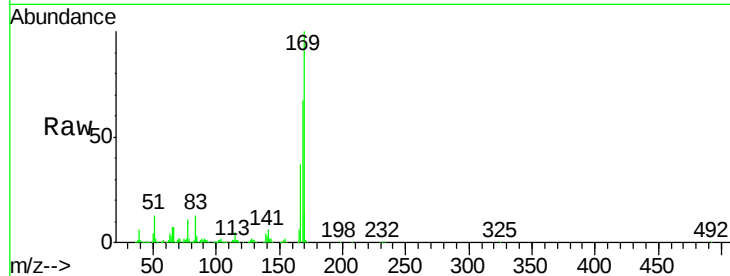
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 650872 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.4  | 54.1  | 81.1   |
| 167       | 37.5  | 29.4  | 44.2   |

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#66

4-Bromophenyl-phenylether

Concen: 40.64 ng

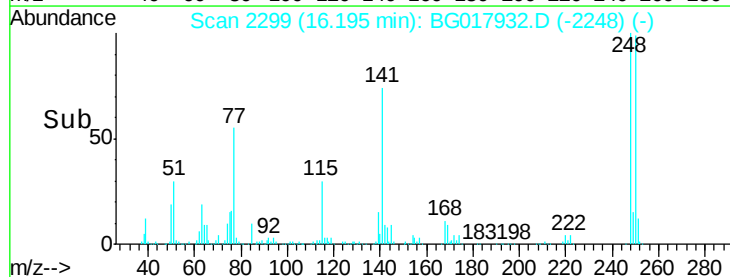
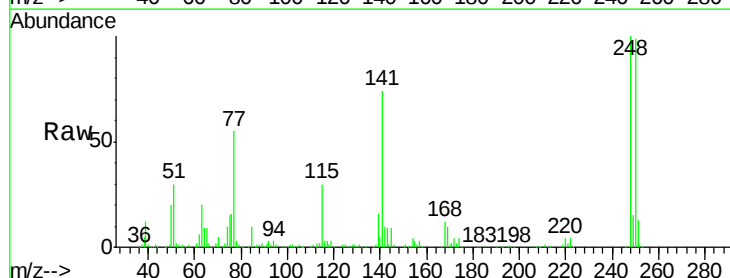
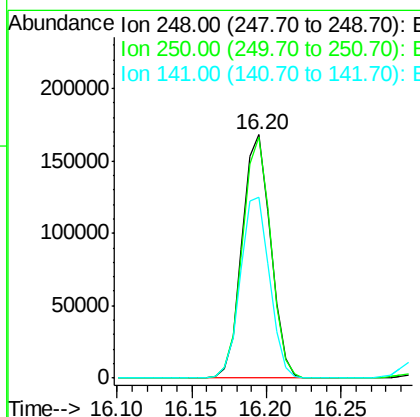
RT: 16.20 min Scan# 2299

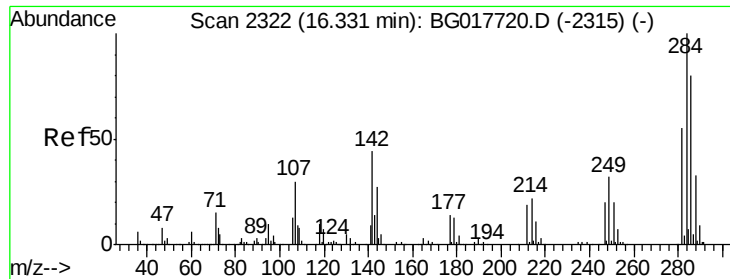
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 222168 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 99.1  | 78.0  | 117.0  |
| 141       | 74.4  | 65.7  | 98.5   |





#67

Hexachlorobenzene

Concen: 39.89 ng

RT: 16.30 min Scan# 2317

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

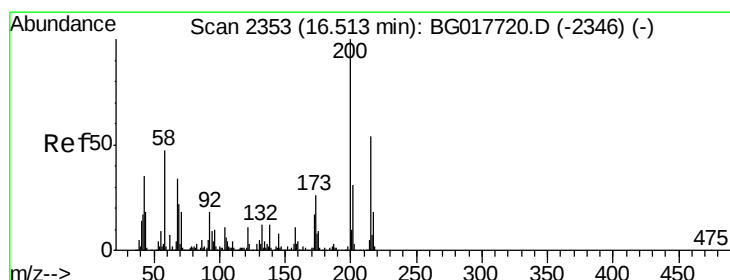
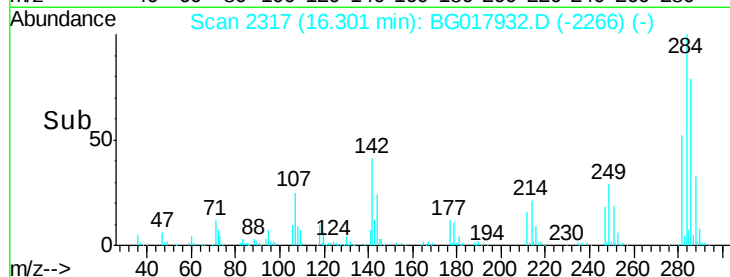
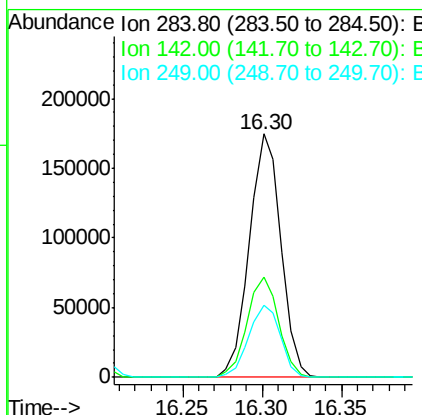
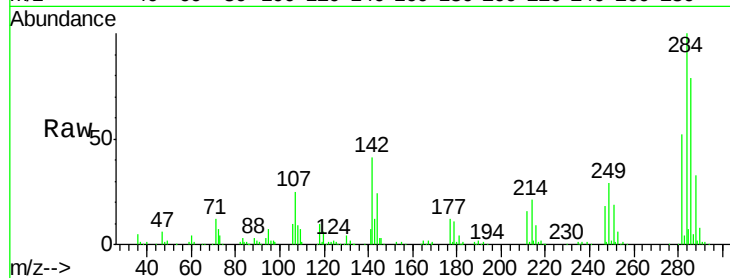
ClientSampleId :

PB84519BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 242051 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 41.1  | 35.2  | 52.8   |
| 249       | 29.4  | 25.4  | 38.0   |

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#68

Atrazine

Concen: 44.39 ng

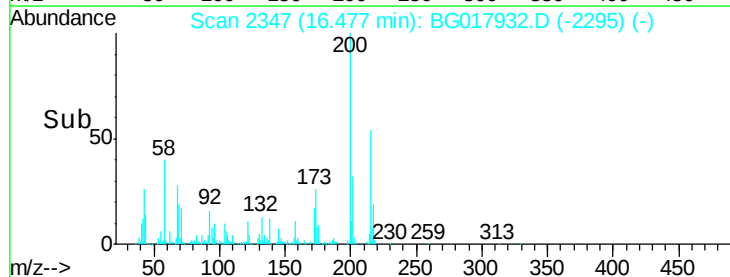
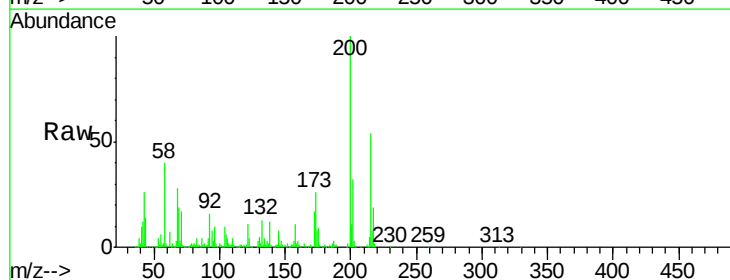
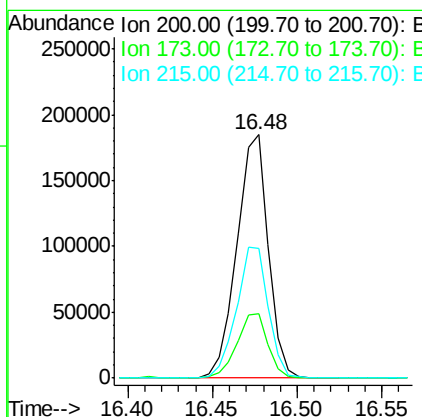
RT: 16.48 min Scan# 2347

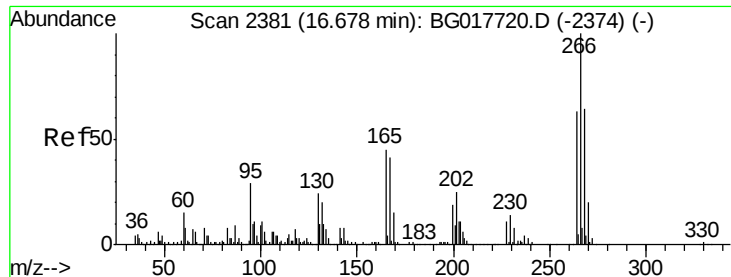
Delta R.T. 0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 239209 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 26.2  | 5.6   | 45.6   |
| 215       | 53.5  | 34.1  | 74.1   |





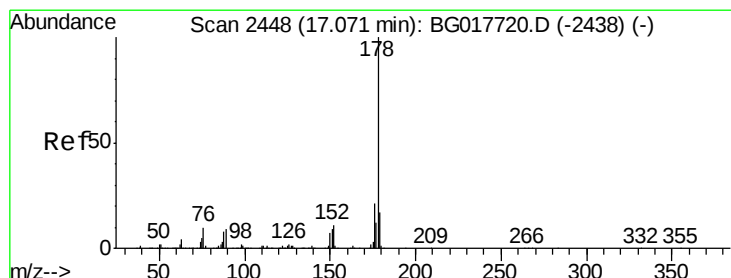
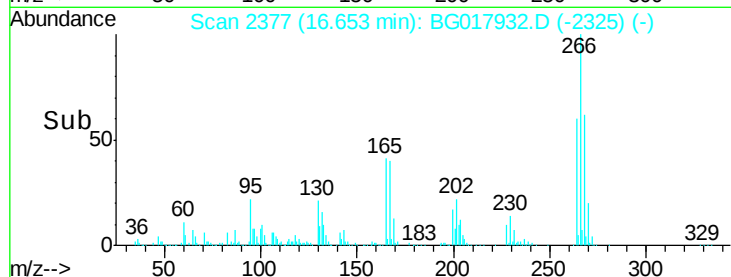
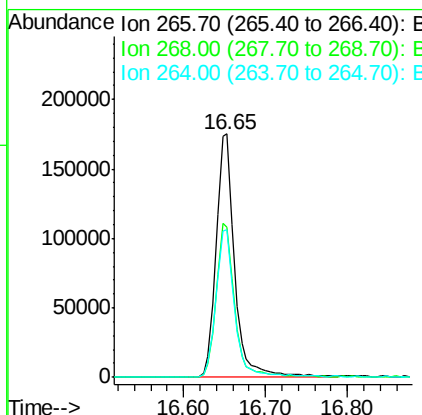
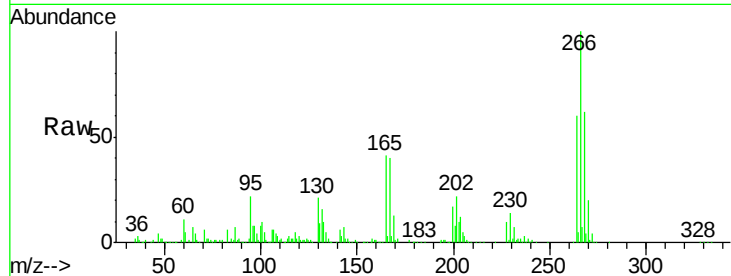
#69  
 Pentachlorophenol  
 Concen: 72.88 ng  
 RT: 16.65 min Scan# 2377  
 Delta R.T. 0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 278991 |       |       |
| 268     | 61.8  | 51.0   | 76.6  |       |
| 264     | 60.5  | 50.7   | 76.1  |       |

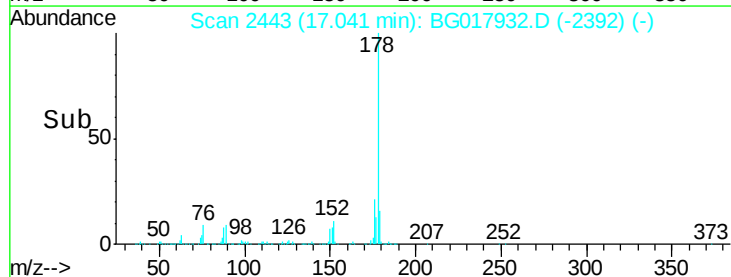
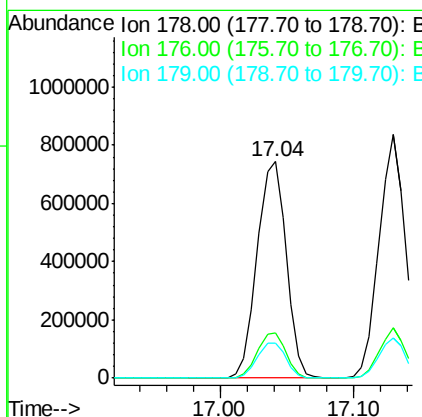
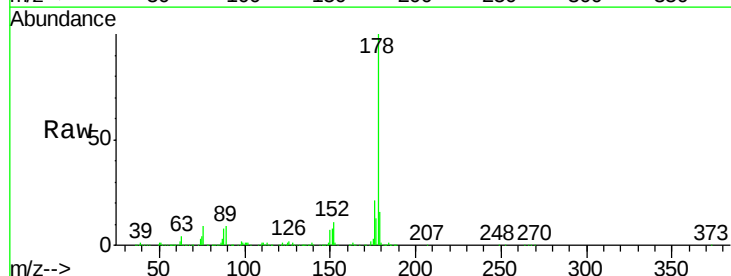
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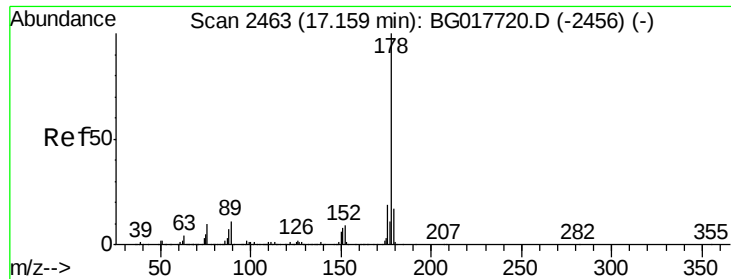
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#70  
 Phenanthrene  
 Concen: 39.68 ng  
 RT: 17.04 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1116663 |       |       |
| 176     | 21.1  | 16.5    | 24.7  |       |
| 179     | 16.1  | 13.5    | 20.3  |       |





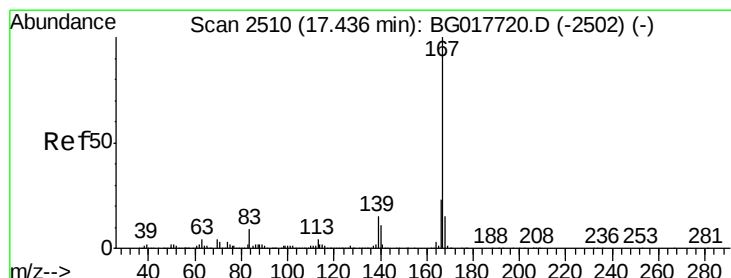
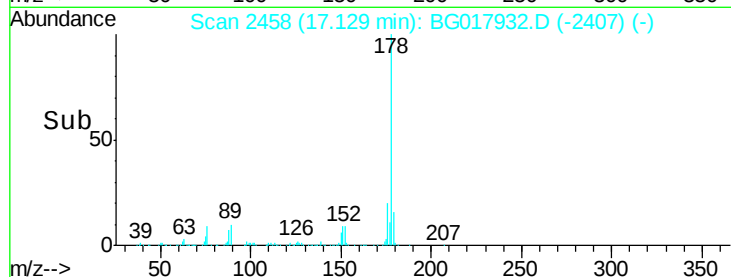
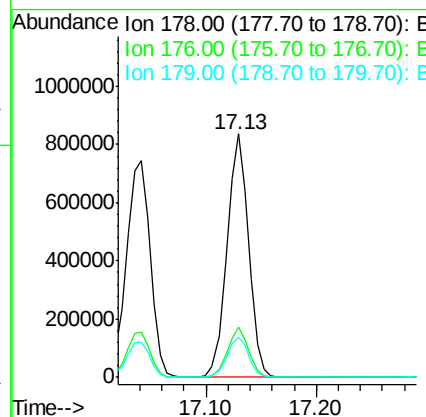
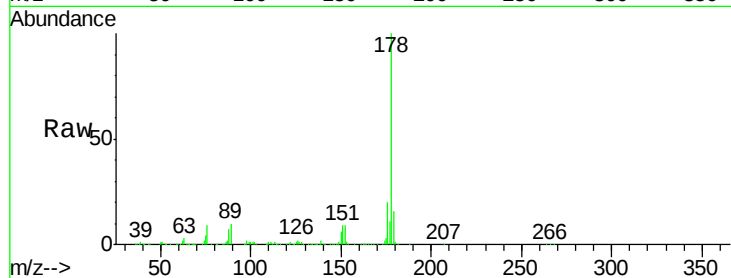
#71  
 Anthracene  
 Concen: 41.67 ng  
 RT: 17.13 min Scan# 2458  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.4  | 15.2  | 22.8  |
| 179     | 16.3  | 13.6  | 20.4  |

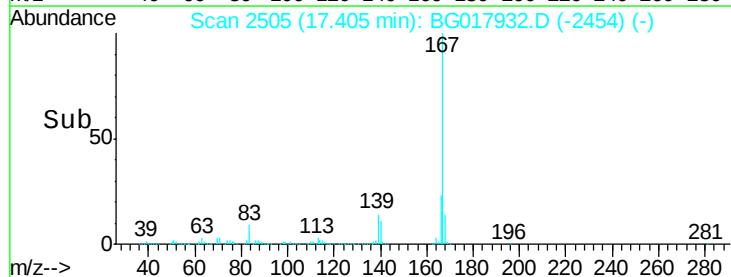
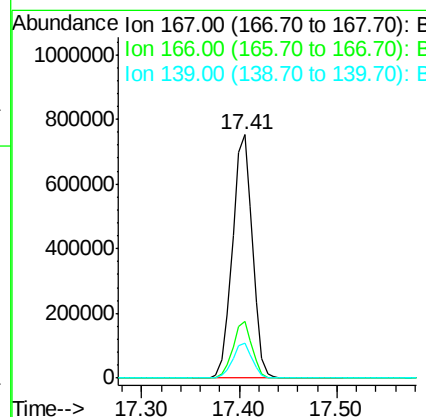
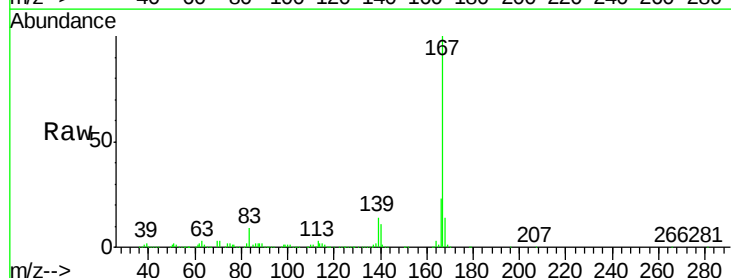
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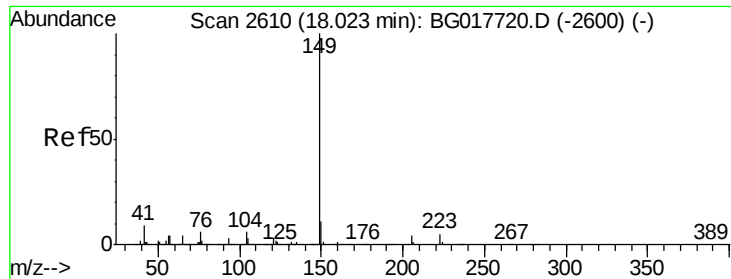
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#72  
 Carbazole  
 Concen: 41.12 ng  
 RT: 17.41 min Scan# 2505  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.3  | 18.3  | 27.5  |
| 139     | 14.2  | 11.9  | 17.9  |





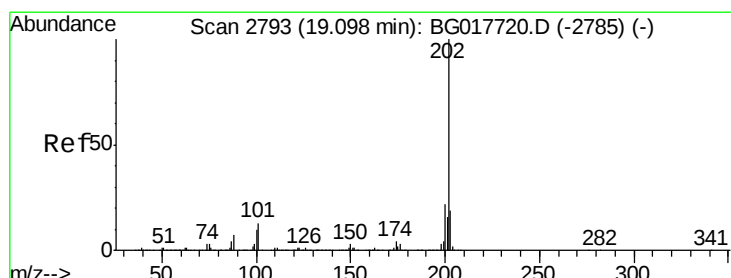
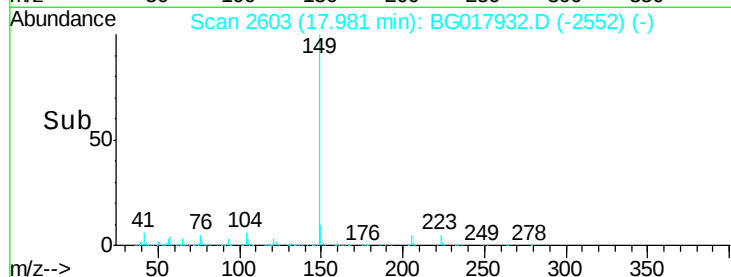
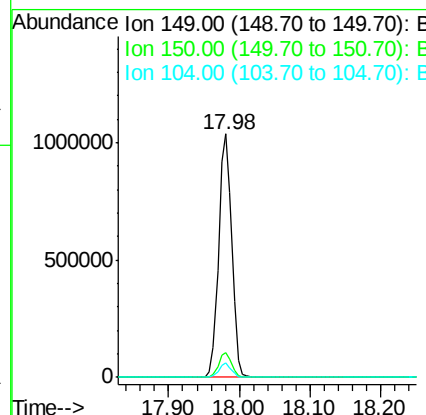
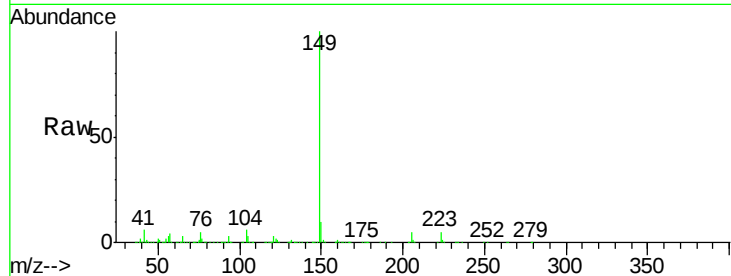
#73  
Di-n-butylphthalate  
Concen: 41.95 ng  
RT: 17.98 min Scan# 2603  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.3  | 8.6   | 12.8  |
| 104     | 6.0   | 5.0   | 7.6   |

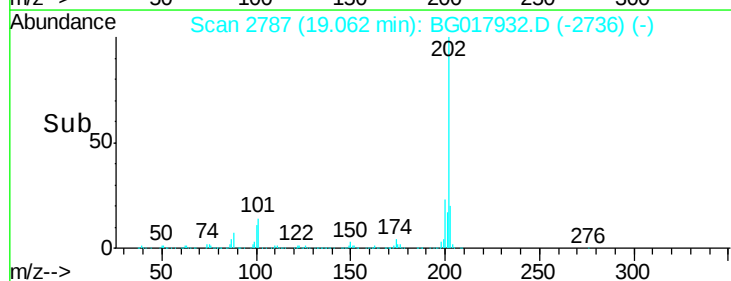
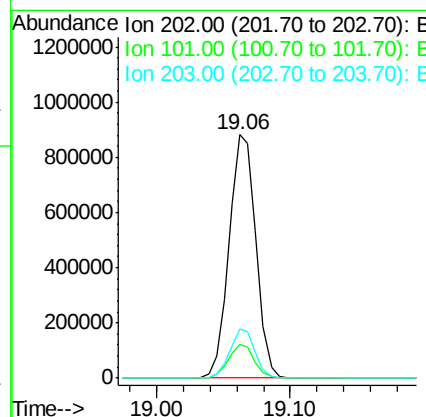
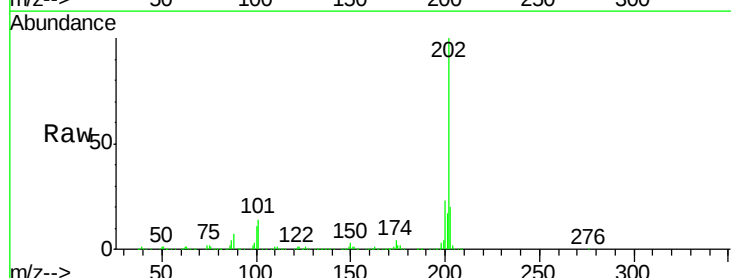
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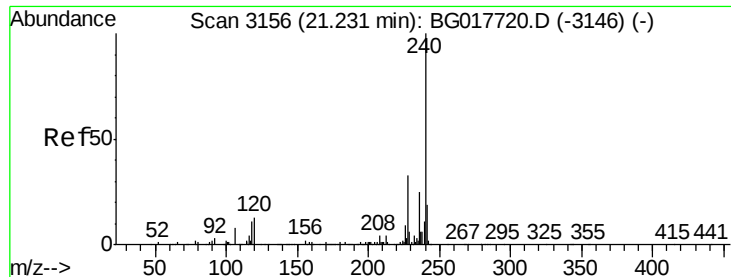
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#74  
Fluoranthene  
Concen: 40.37 ng  
RT: 19.06 min Scan# 2787  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 0.0   | 33.3  |
| 203     | 20.1  | 0.0   | 39.5  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

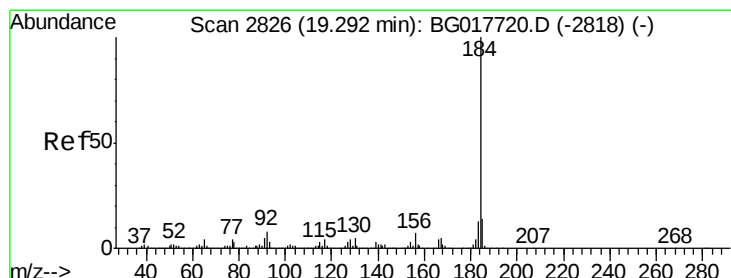
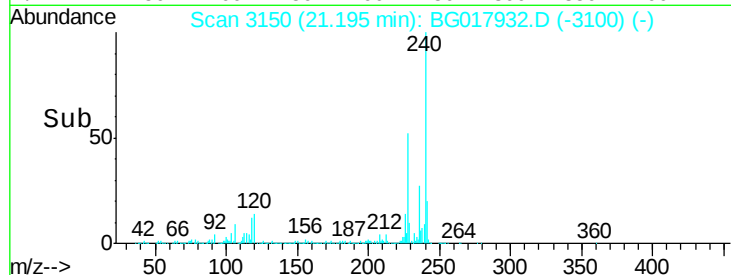
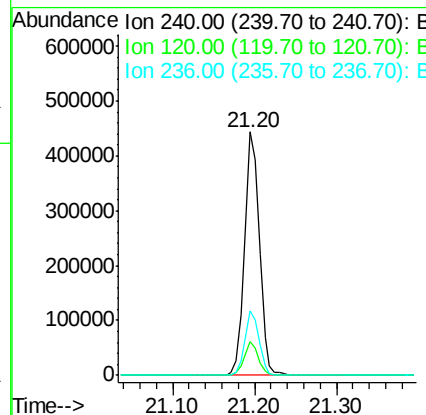
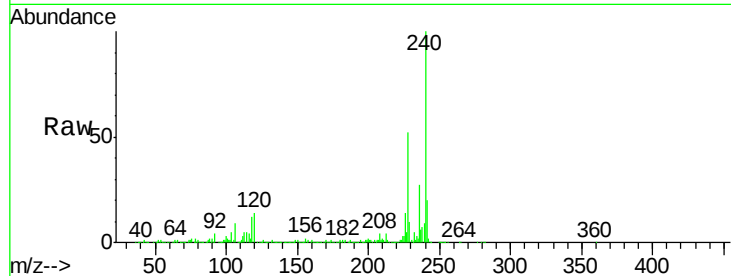
ClientSampleId :

PB84519BSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 240  | Resp: | 565530 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 13.6 | 10.8  | 16.2   |
| 236       | 26.7 | 20.0  | 30.0   |

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#76

Benzidine

Concen: 27.89 ng

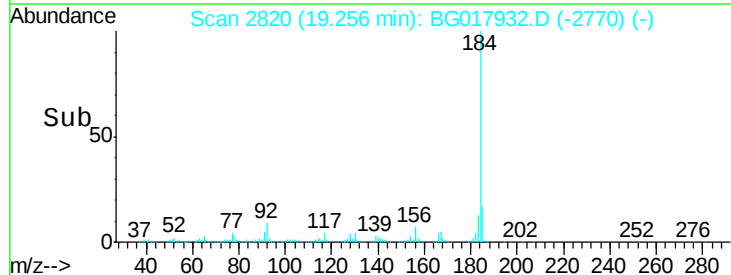
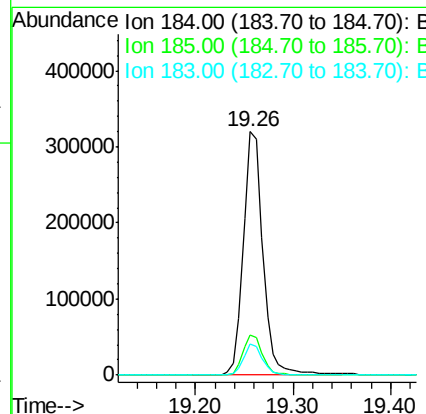
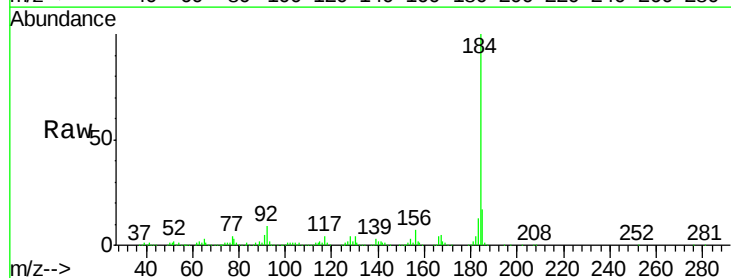
RT: 19.26 min Scan# 2820

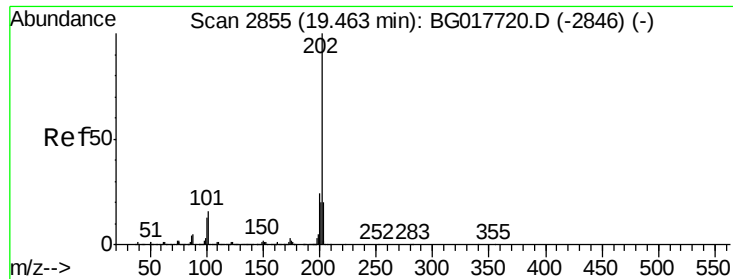
Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 184  | Resp: | 447948 |
| Ion Ratio |      | Lower | Upper  |
| 184       | 100  |       |        |
| 185       | 16.7 | 11.5  | 17.3   |
| 183       | 12.8 | 10.0  | 15.0   |





#77

Pyrene

Concen: 41.00 ng

RT: 19.43 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

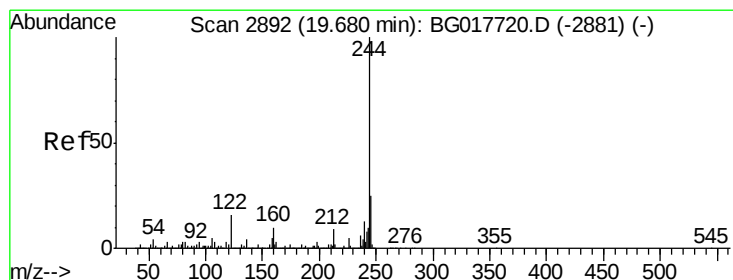
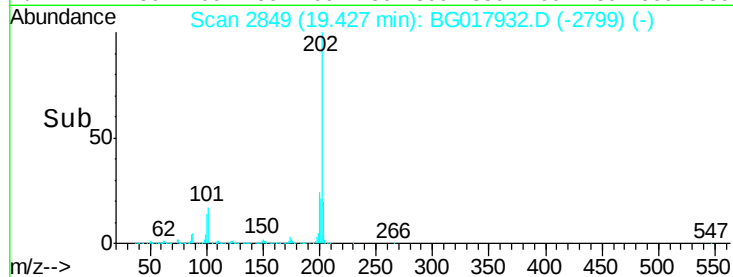
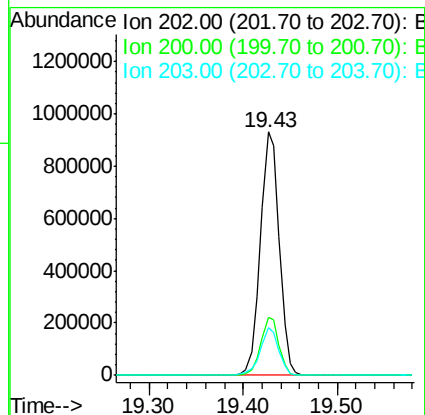
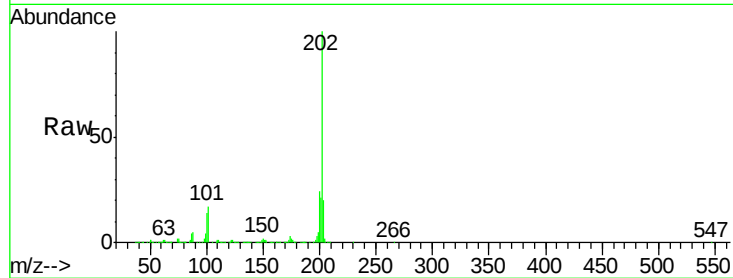
ClientSampleId :

PB84519BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 202   | Resp: | 1293067 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 23.8  | 18.8  | 28.2    |
| 203      | 19.7  | 15.9  | 23.9    |

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#78

Terphenyl-d14

Concen: 75.72 ng

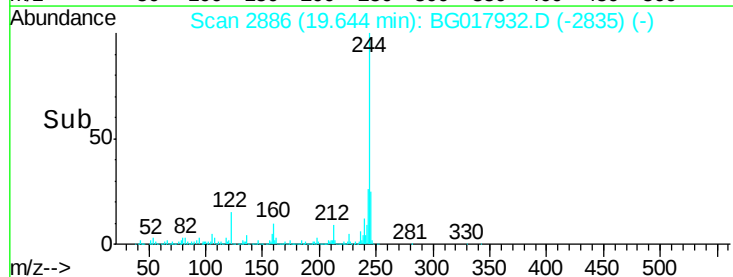
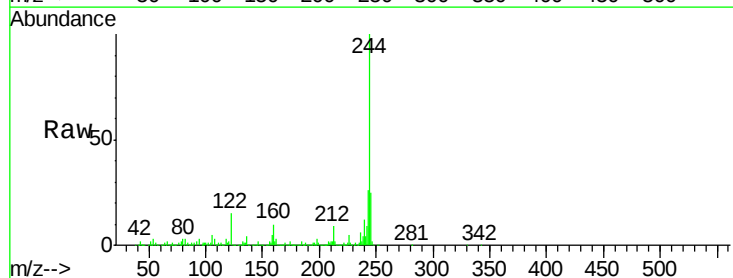
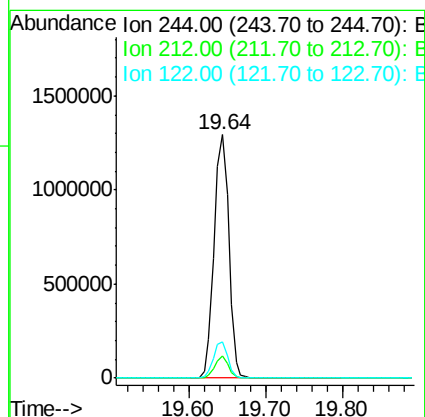
RT: 19.64 min Scan# 2886

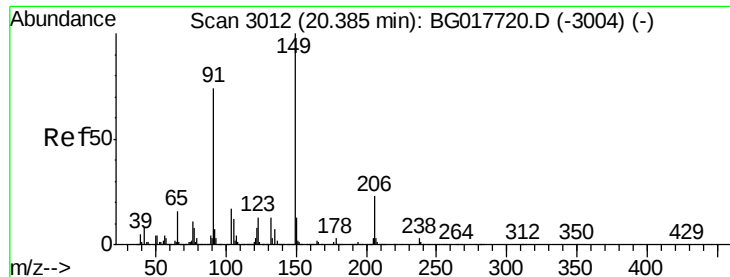
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 1700041 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 9.1   | 7.2   | 10.8    |
| 122      | 14.6  | 12.8  | 19.2    |





#79

Butylbenzylphthalate

Concen: 44.28 ng

RT: 20.35 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG017932.D

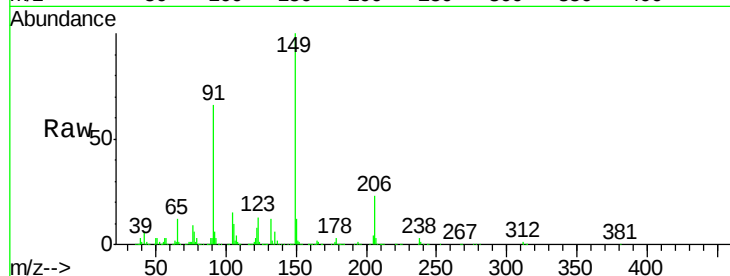
Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

ClientSampleId :

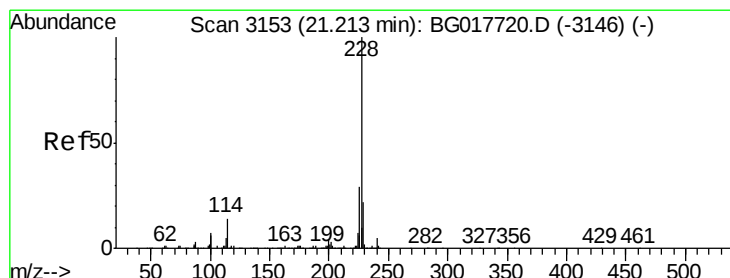
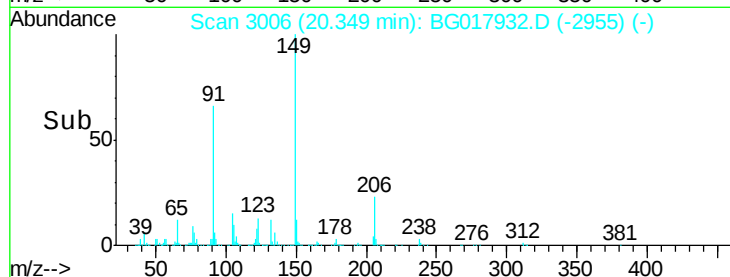
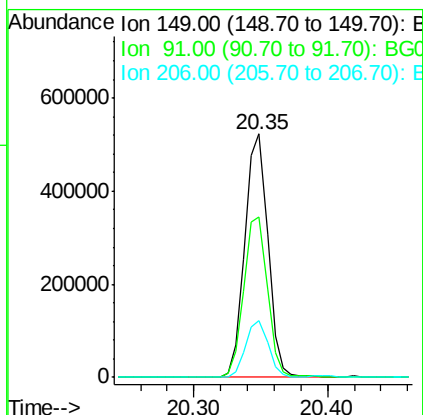
PB84519BSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 625509 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 65.7  | 59.5  | 89.3   |
| 206       | 23.4  | 18.5  | 27.7   |

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#80

Benzo(a)anthracene

Concen: 40.53 ng

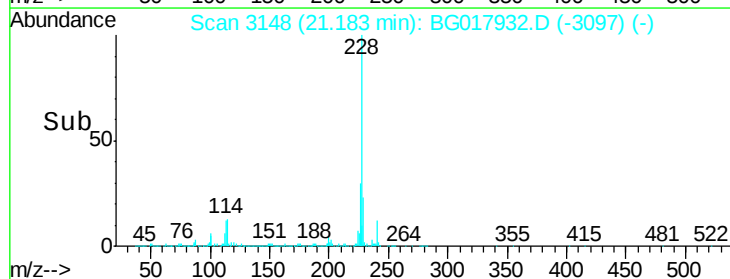
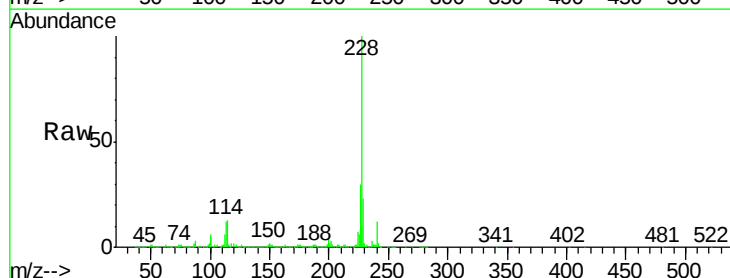
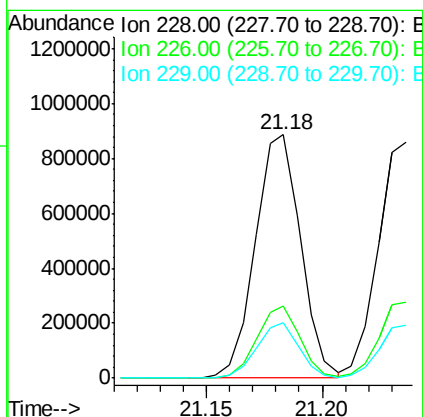
RT: 21.18 min Scan# 3148

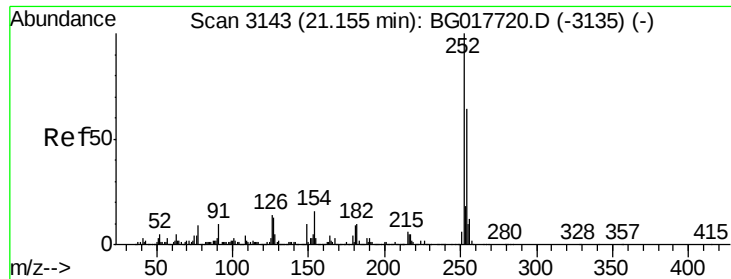
Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1210487 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 29.7  | 23.1  | 34.7    |
| 229       | 22.6  | 17.4  | 26.0    |





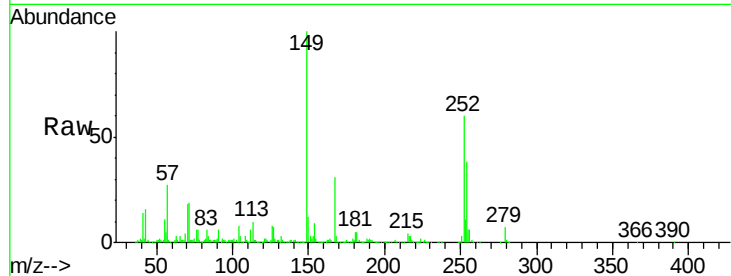
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.18 ng  
 RT: 21.12 min Scan# 3137  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 63.2  | 51.2       | 76.8       |
| 126     | 13.1  | 11.4       | 17.0       |

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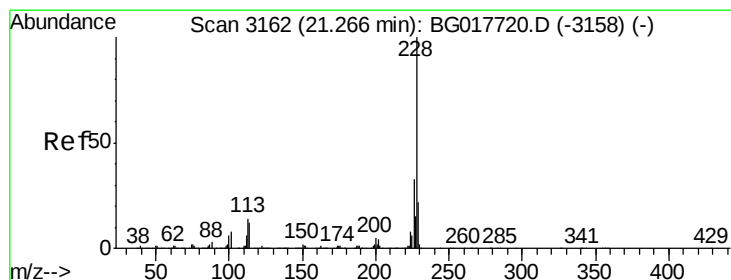
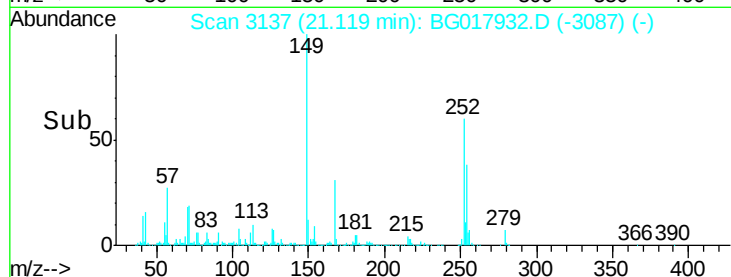
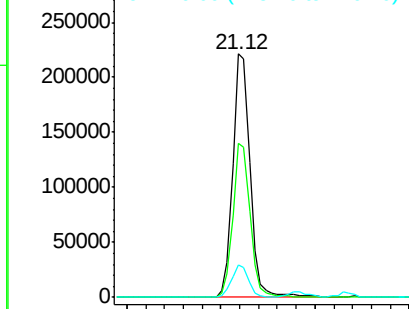


Abundance

Ion 252.00 (251.70 to 252.70): E

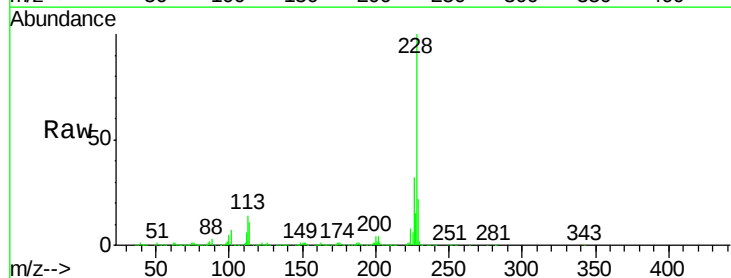
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82  
 Chrysene  
 Concen: 39.61 ng  
 RT: 21.24 min Scan# 3157  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 32.1  | 26.1       | 39.1       |
| 229     | 22.2  | 17.7       | 26.5       |

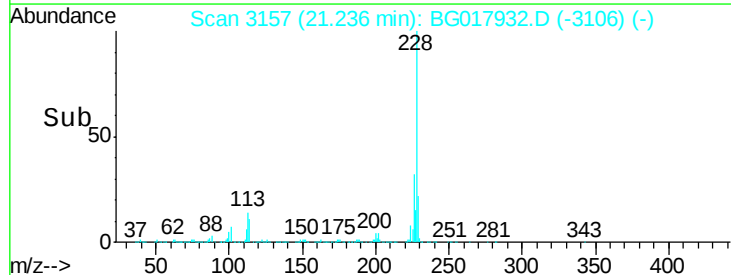
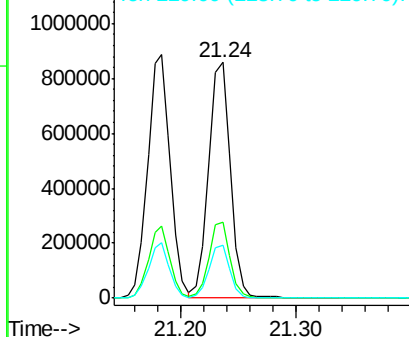


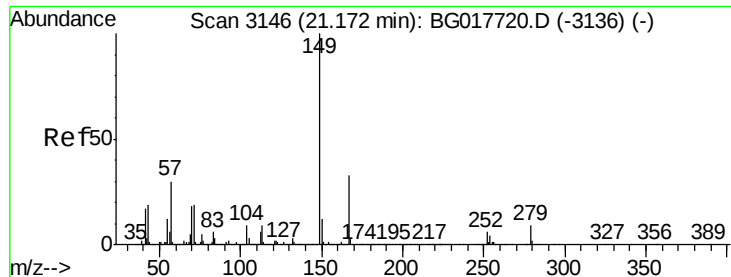
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





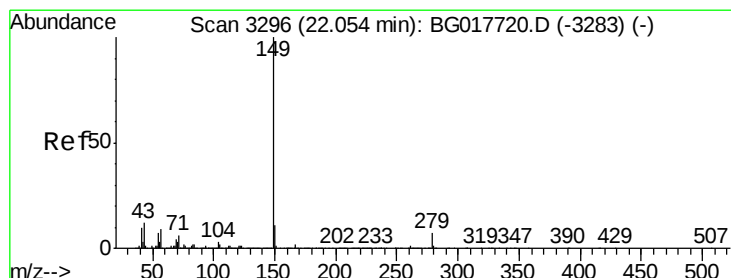
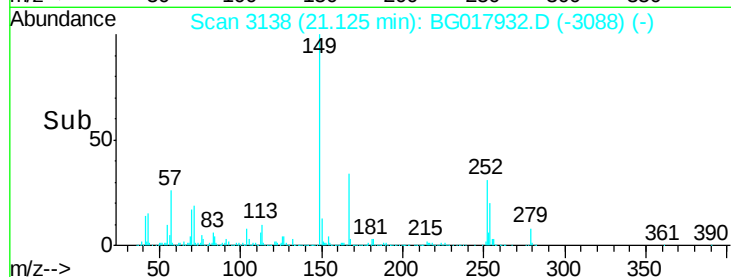
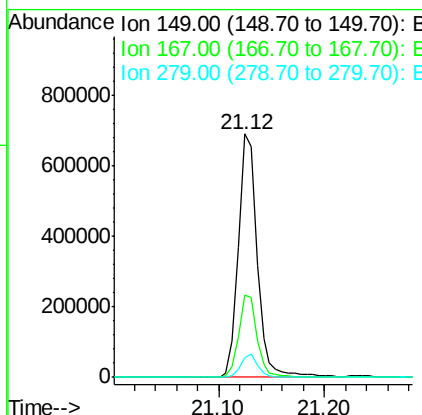
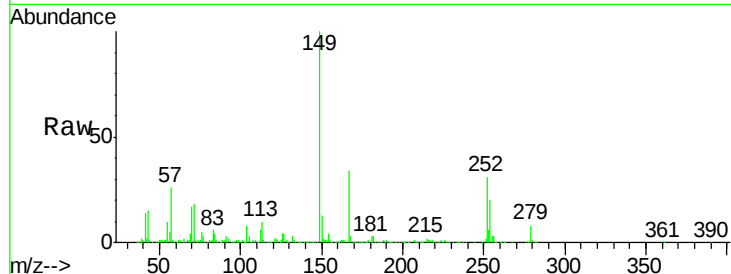
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.57 ng  
 RT: 21.12 min Scan# 3138  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 847501 |       |       |
| 167     | 33.6  | 26.6   | 39.8  |       |
| 279     | 8.3   | 6.9    | 10.3  |       |

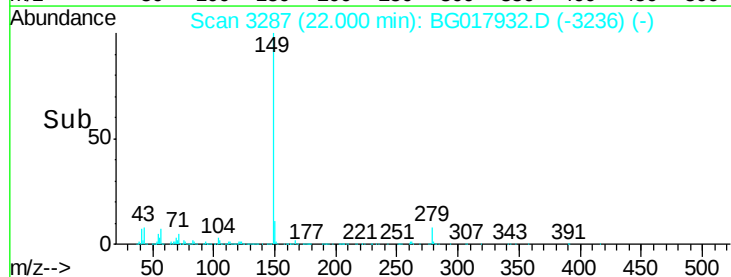
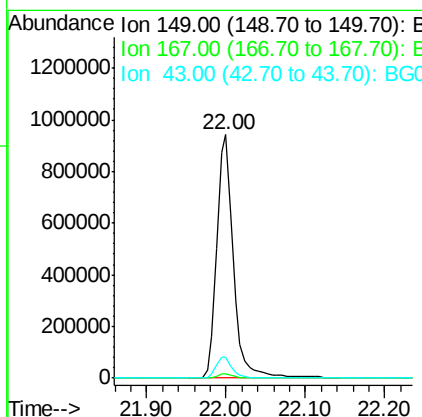
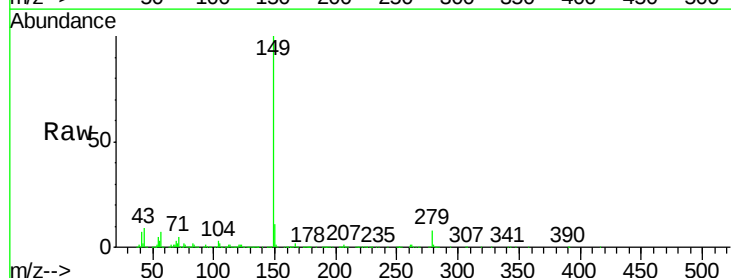
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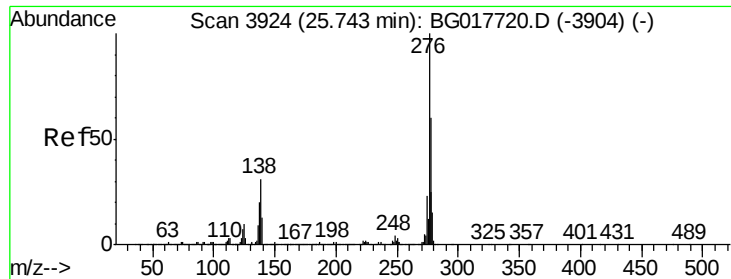
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#84  
 Di-n-octyl phthalate  
 Concen: 44.44 ng  
 RT: 22.00 min Scan# 3287  
 Delta R.T. -0.00 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1361653 |       |       |
| 167     | 1.8   | 1.4     | 2.0   |       |
| 43      | 8.6   | 9.7     | 14.5  |       |





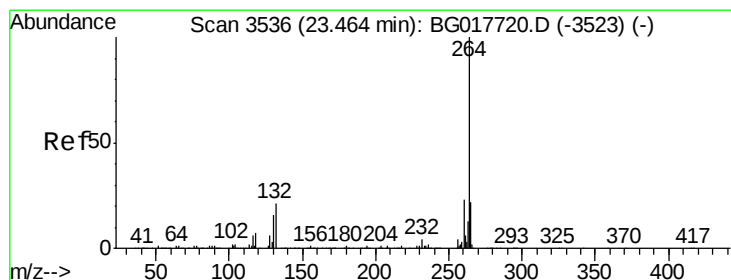
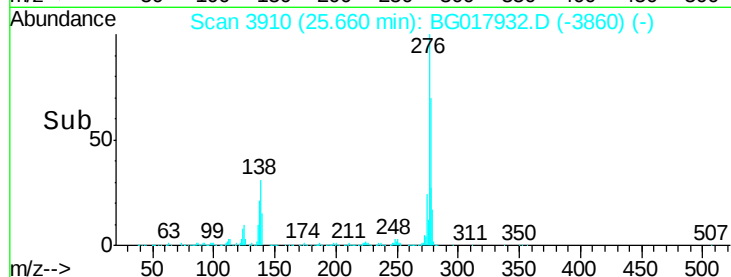
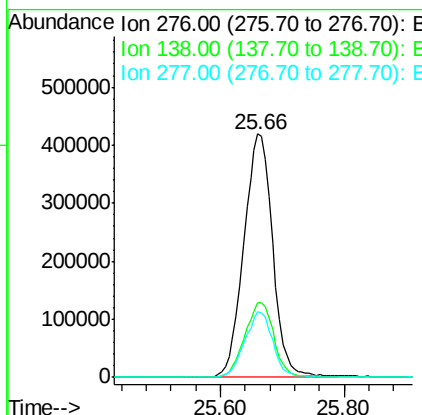
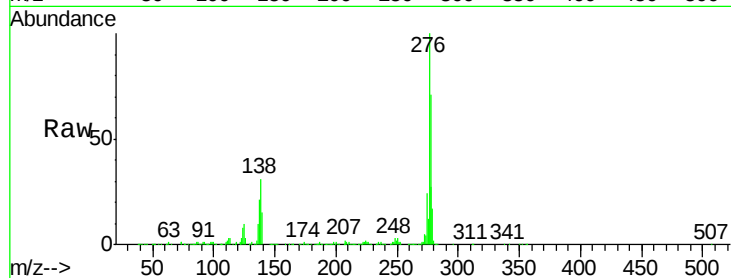
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 39.52 ng  
 RT: 25.66 min Scan# 3910  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.2  | 25.4  | 38.0  |
| 277     | 26.3  | 21.0  | 31.4  |

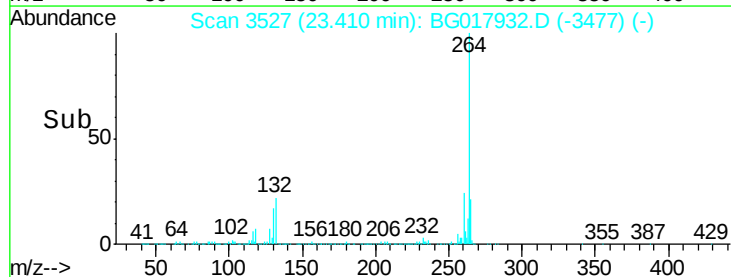
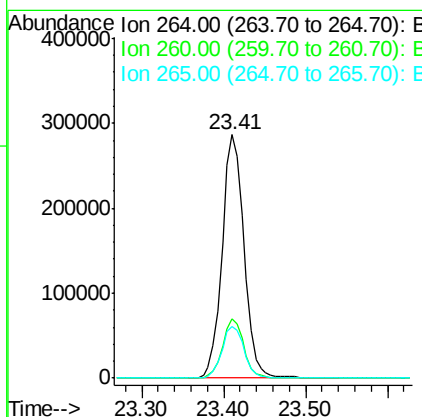
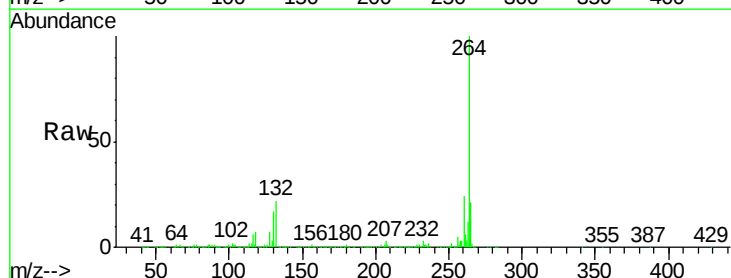
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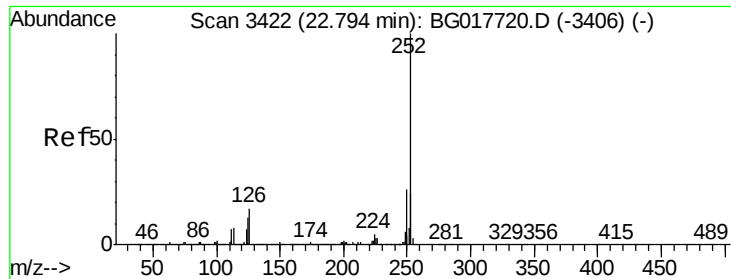
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.41 min Scan# 3527  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.6  | 27.8  |
| 265     | 21.4  | 18.2  | 27.2  |





#87

Benzo(b)fluoranthene

Concen: 41.84 ng

RT: 22.75 min Scan# 3414

Delta R.T. -0.00 min

Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

Instrument :

BNA\_G

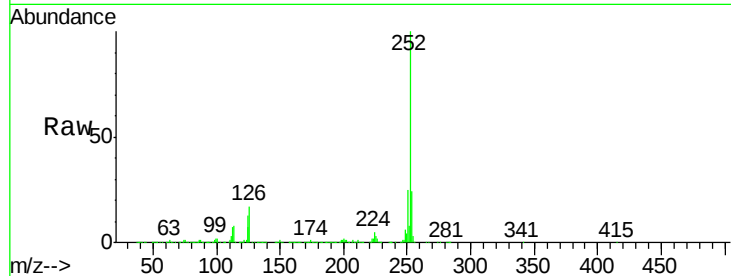
ClientSampleId :

PB84519BSD

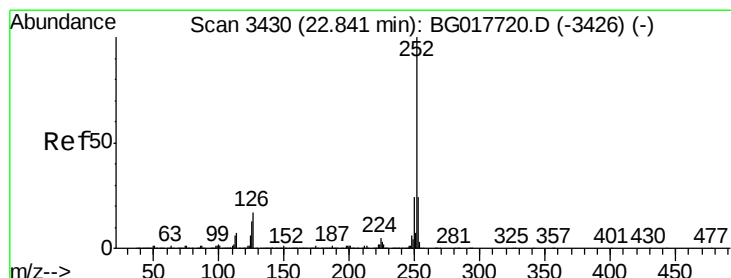
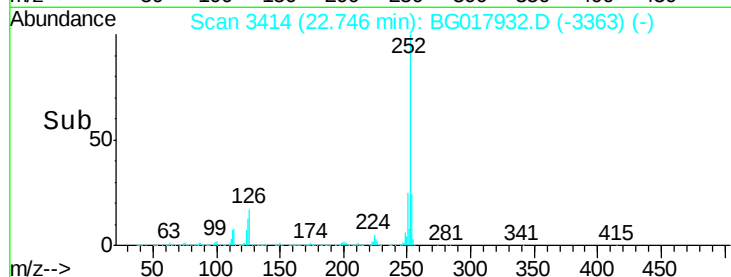
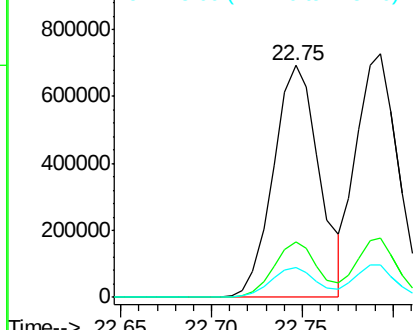
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1226653 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 24.1  | 19.7  | 29.5    |
| 125       | 12.8  | 10.6  | 15.8    |

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



#88

Benzo(k)fluoranthene

Concen: 40.09 ng

RT: 22.79 min Scan# 3422

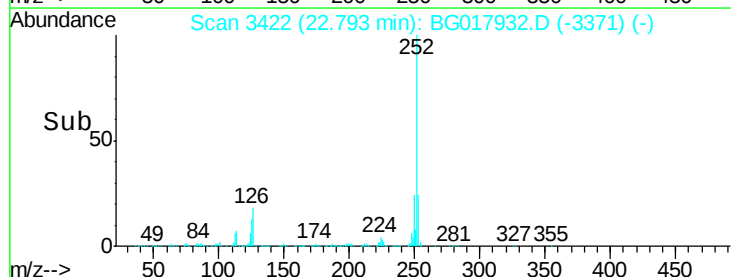
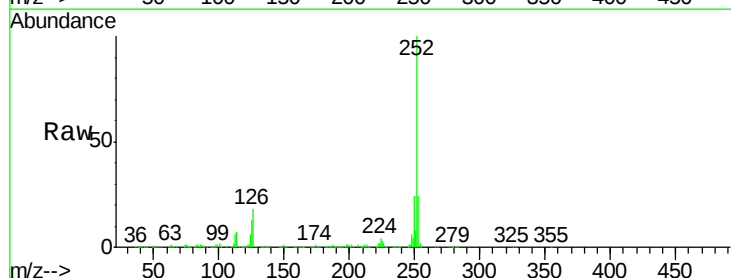
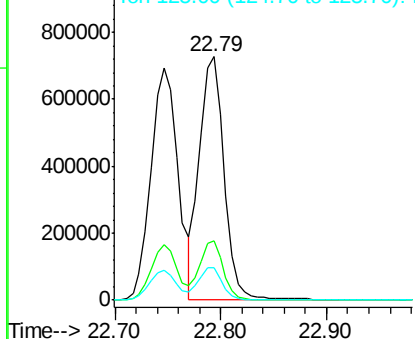
Delta R.T. -0.00 min

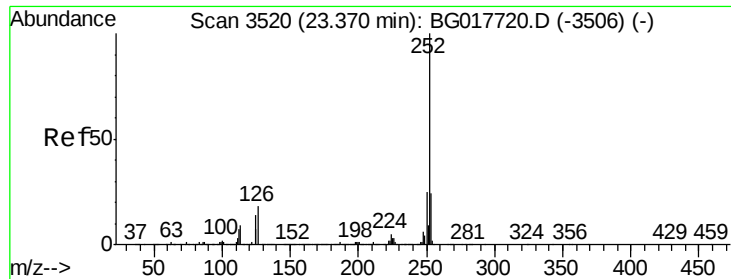
Lab File: BG017932.D

Acq: 17 Jul 2015 19:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1173669 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 24.2  | 19.0  | 28.6    |
| 125       | 13.1  | 10.3  | 15.5    |

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





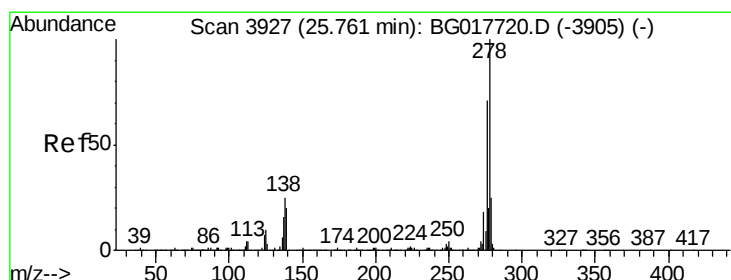
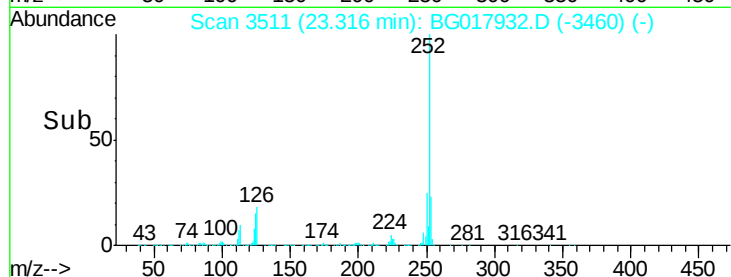
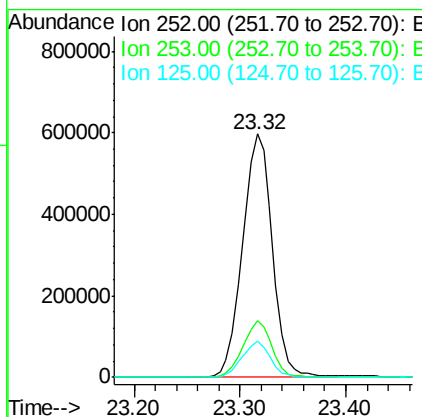
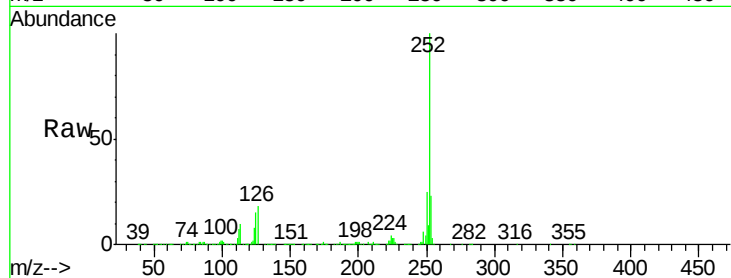
#89  
Benzo(a)pyrene  
Concen: 42.51 ng  
RT: 23.32 min Scan# 3511  
Delta R.T. -0.00 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 19.0  | 28.6  |
| 125     | 14.9  | 11.1  | 16.7  |

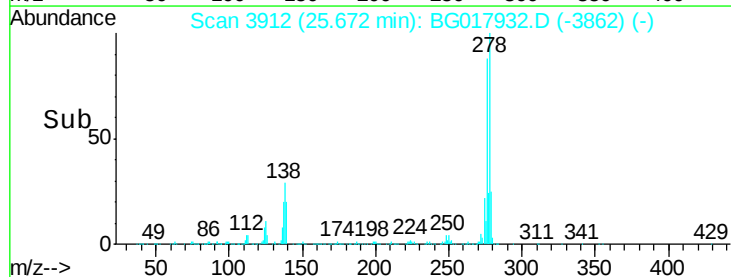
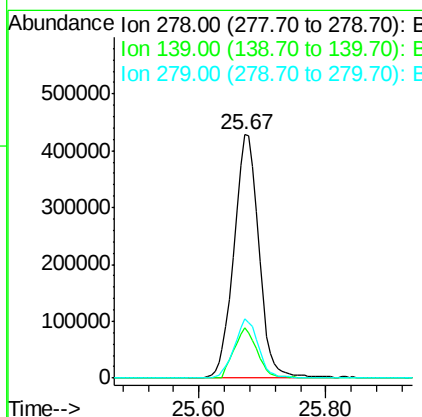
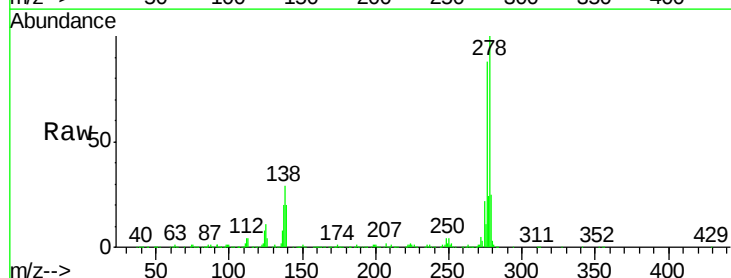
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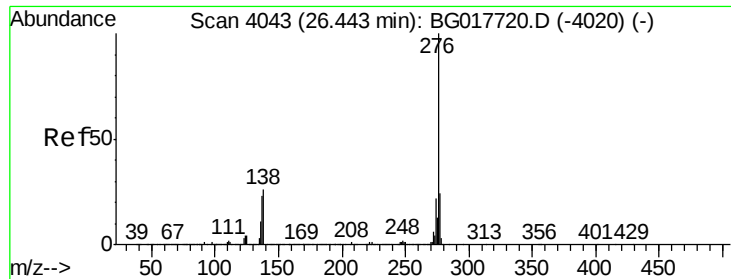
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#90  
Dibenzo(a,h)anthracene  
Concen: 41.01 ng  
RT: 25.67 min Scan# 3912  
Delta R.T. -0.01 min  
Lab File: BG017932.D  
Acq: 17 Jul 2015 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.4  | 16.2  | 24.2  |
| 279     | 24.6  | 19.9  | 29.9  |





#91  
 Benzo(g,h,i)perylene  
 Concen: 40.73 ng  
 RT: 26.35 min Scan# 4027  
 Delta R.T. -0.01 min  
 Lab File: BG017932.D  
 Acq: 17 Jul 2015 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BSD

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 1112345 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 277       | 24.4  | 18.9  | 28.3    |
| 138       | 25.7  | 20.8  | 31.2    |

Manual Integrations  
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